ANALYSIS OF SEISMIC ANISOTROPY ACROSS CENTRAL ANATOLIA BY SHEAR WAVE SPLITTING

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submitted by **DİLEKCAN PAMİR** in partial fulfillment of the requirements for the degree of **Master of Science in Geological Engineering Department, Middle East Technical University** by,

Prof. Dr. Canan Özgen _____
Dean, Graduate School of **Natural and Applied Sciences**

Prof. Dr. Erdin Bozkurt _____
Head of Department, **Geological Engineering**

Asist. Prof. Dr. A. Arda Özacar _____
Supervisor, **Geological Engineering Dept., METU**

Examining Committee Members:

Prof. Dr. Erdin Bozkurt _____
Geological Engineering Dept., METU

Asist. Prof. Dr. A. Arda Özacar _____
Geological Engineering Dept., METU

Prof. Dr. Niyazi Türkelli _____
Kandilli Observatory, Boğaziçi University

Prof. Dr. Nuretdin Kaymakçı _____
Geological Engineering Dept., METU

Assoc. Prof. Dr. Murat Erduran _____
Geophysical Eng. Dept., Çanakkale Onsekiz Mart Univ.

Date: 10.01.2014

I hereby declare that all information in this document has been obtained and presented in accordance with academic rules and ethical conduct. I also declare that, as required by these rules and conduct, I have fully cited and referenced all material and results that are not original to this work.

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ABSTRACT

ANALYSIS OF SEISMIC ANISOTROPY ACROSS
CENTRAL ANATOLIA BY SHEAR WAVE SPLITTING

Pamir, Dilekcan
MSc., Department of Geological Engineering
Supervisor : Asst. Prof. Dr. A. Arda Özacar

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Central Anatolia plays a significant role to connect the theories on the ongoing tectonic escape, the African Plate subduction along Cyprus Arc and the collision of Arabian Plate along Bitlis Suture. On the other hand, the shear wave splitting measurements which characterize the seismic anisotropy are very sparse in the region. The seismic data recorded by national seismic networks with a denser coverage provides a unique opportunity to analyze the effect of present slab geometry (slab tears, slab break-off) on mantle deformation and test different models of anisotropy forming mechanisms. In this study, the anisotropic structure beneath the Central Anatolia is investigated via splitting of SKS and SKKS phases recorded at 46 broadband seismic stations. Our measurements yielded 1171 well-constrained splitting and 433 null results. Overall, the region displays NE-SW trending fast splitting directions and delay times on the order of 1 sec. However, a large number of stations which are spatially correlated with Cyprus Slab, Neogene volcanism and major tectonic structures present significant periodic back azimuthal variations on splitting parameters that cannot be explained by one-layered anisotropy with horizontal symmetry. Thus, we have modeled anisotropy for two-layered structures

using a forward approach and identified NE-SW trending fast splitting directions with delay times close to 1 sec at the lower layer and NW-SE trending fast splitting with limited time delays (~0.3 sec) at the upper layer. Fast directions and delay times of the lower layer are similar to one-layered anisotropy and parallel or sub-parallel to the absolute plate motions which favors asthenospheric flow model associated to drag forces. In contrast, weak upper layer anisotropy is likely related to the internal deformation of Central Anatolian lithosphere.

Keywords: Seismic Anisotropy, Shear Wave Splitting, Lithosphere and Mantle Dynamics, Complex Anisotropy Structure.

ÖZ

KESME DALGASI AYRIMLANMASI YÖNTEMİ İLE ORTA ANADOLU'NUN SİSMİK ANİZOTROPİ ANALİZİ

Pamir, Dilekcan
Yüksek Lisans, Jeoloji Mühendisliği
Tez Yöneticisi : Yar. Doç. Dr. A. Arda Özacar

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Orta Anadolu bölgesi, Anadolu'nun tektonik kaçışı, Arap Plakası bindirmesi ve Afrika Plakası'nın Kıbrıs Yayı boyunca dalması ile ilgili teorilerin birbirlerine bağlanmasında önemli rol oynamaktadır. Ancak, sismik anizotropinin incelenmesi için gerekli kesme dalgası ayrımlanması çalışmaları bölgede oldukça seyrek bir dağılım göstermektedir. Sık konumlanmış yeni ulusal sismik ağ verisi, Orta Anadolu altındaki levha geometrisinin manto deformasyonu üzerineki etkisinin incelenmesi ve anizotropiyi oluşturan farklı mekanizmaların test edilmesine olanak sağlamaktadır. Çalışmada, 46 geniş-bant sismik istasyon ile SKS ve SKKS fazlarındaki ayrımlanma kullanılarak Orta Anadolu anizotropik yapısı incelenmiştir. Ölçümler sonucunda 1171 yüksek kaliteli ve 433 geçersiz ayrımlanma parametresi elde edilmiştir. Bölge genel olarak KD-GB doğrultulu hızlı ayrımlanma yönlenmeleri göstermektedir; ancak Kıbrıs levhası, Neojen volkanizma ve ana tektonik yapılarla konumsal olarak örtüşen birçok istasyonda yön sapmaları belirlenmiştir ve bu durumun yatay simetri içeren tek tabakalı modellerle açıklanması mümkün değildir. Bu nedenle, iki tabakalı yapıya yönelik anizotropi modellemesi gerçekleştirilmiş ve alt tabakada gecikme zamanı yaklaşık 1 saniye olan KD-GB doğrultulu hızlı

ayrımlanması, üst tabakada ise kısıtlı geçikme zamanları sergileyen (~0.3 saniye) KB-GD doğrultulu hızlı ayrımlanmalar tespit edilmiştir. Alt tabakaki hızlı ayrımlanma ve gecikme zamanları tek tabakalı modelle uyumlu ve mutlak plaka hareketlerine paralel veya yarı-paralel yönelimler göstermektedir. Bu durum sürüklenme kuvvetlerine bağlı astenosferik akış modeliyle ilişkilendirilebilir. Zayıf üst tabaka anizotropisinin ise Orta Anadolu litosferinin içsel deformasyonları ile ilgili olduğu düşünülmektedir.

Anahtar Kelimeler: Sismik Anizotropi, Kesme Dalgası Ayrımlanması, Litosfer ve Manto Dinamikleri, Kompleks Anizotropi Yapısı.

To My Parents

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CHAPTER 1

INTRODUCTION

1.1 Purpose and Scope

Seismic waves provide an image of the properties of the Earth as they pass through the tectonic structures. In this respect, the variation of physical properties with direction measured by seismic waves known as seismic anisotropy, provides a key observable that ties the predictions of geodynamic models to seismology. Shear wave splitting method yields estimates of the *polarization of the fast wave (Ø)* and of *the delay time (dt)* and thus characterize the orientation and strength of present seismic anisotropy. Characteristics of mantle anisotropy which is believed to result from strain-induced preferred orientation of mantle minerals (mainly olivine) can be revealed by shear wave splitting measurements of core phases (SKS, SKKS) that sample mainly Earth's mantle and hence can be used to map the mantle anisotropy and infer the strain field and mantle flow geometry beneath recording seismic stations. Such observations of seismic anisotropy would yield much needed constraints on both past and present-day deformation in the Earth's mantle and shed light to the origin of mantle anisotropy and its relation with crustal deformation allowing us to establish viable geodynamic models revealing more insight on mantle-crust interactions.

To establish a geodynamic model for Anatolia, understanding the mantle flow is fundamental, since the upper mantle lithosphere dynamics is mainly controlled by

shear and normal tractions associated with both large-scale plate motions and mantle dynamics *(Christensen, 1984).* Global Positioning System (GPS) studies conducted in the region indicate that the present day kinematics of Anatolia is dominated by counterclockwise rotation with velocities increasing towards west *(McClusky et al., 2000; Reilinger et al., 2006).* Hence, the Anatolia-Aegean circular and non-rigid velocity pattern seems to imply underlying ductile mantle control *(Le Pichon and Kreemer, 2010).* Recent tomography results also indicated presence of detached and torn slabs along the subduction of the African and Arabian plates *(Biryol et al., 2011).* Despite complex tectonic evolution and mantle deformation, previous shear wave splitting studies across Turkey *(Hatzfeld et al., 2001; Sandvol et al., 2003; Şapaş & Boztepe-Güney, 2009; Biryol et al., 2010; Evangelidis et al., 2011)* indicate a uniform upper mantle strain field with NE-SW directed fast axis polarizations.

In this respect, Central Anatolia holds the key to understand the geometry of mantle flow and model the mantle-crust interactions in the region. However, the shear wave splitting measurements which are essential to characterize mantle anisotropy are very sparse in the Central Anatolia. Recently, seismic data recorded by national seismic networks with dense coverage, provided a unique opportunity to map the mantle anisotropy by shear wave splitting, analyze the effect of present slab geometry (slab tears, slab break-off) on mantle deformation and test different models of anisotropy forming mechanisms in vicinity of relationship with different tectonic processes.

This study includes the analyses of mantle anisotropy beneath the central part of Anatolia with shear wave splitting measurements. For this purpose, a total of 46 broadband seismic stations which are operated by Kandilli Observatory and Earthquake Research Institute (KOERI) and General Directorate of Disaster Affairs and Department of Earthquake Research (ERI – DAD) in Central Anatolia are selected and shear wave splitting of recorded SKS and SKKS phases are analyzed. Parameters obtained from individual splitting results are then averaged to identify the

strength of seismic anisotropy and dominant fast polarization directions. In addition, stations displaying complex shear wave splitting, are modeled using two layered anisotropy. The resultant measurements are later interpreted in terms of mantle deformation and flow in relation to crustal deformation, on-going subduction and slab geometry.

1.2 Tectonic Setting of Turkey

Turkey is one of the most actively deforming and seismically active regions in the world and its tectonic setting is under the effect of different tectonic mechanisms: strike-slip faulting along North and East Anatolia Faults (NAF, EAF), continental collision and thrust faulting across Bitlis-Zagros and Caucasus, African plate subduction and continental extension in Western Anatolia *(McKenzie, 1972; Taymaz et al., 1991; Bozkurt, 2001).* According to geodetic data, the Anatolian plate is moving from the eastern collision zone towards the western extensional domain between NAF and EAF with counterclockwise rotation *(Reilinger et al. 1997; McClusky et al., 2000)* (Figure 1).

The interiors of Anatolian plate, is characterized by different continental fragments which collided along the ancient sutures during the consumption of Tethyan Ocean *(Şengör & Yılmaz 1981)*. The Cenozoic tectonic evolution of Anatolia involved changes in plate boundary dynamics of the Eurasian, Arabian, and African plates which led to a transition from collision to escape tectonics.

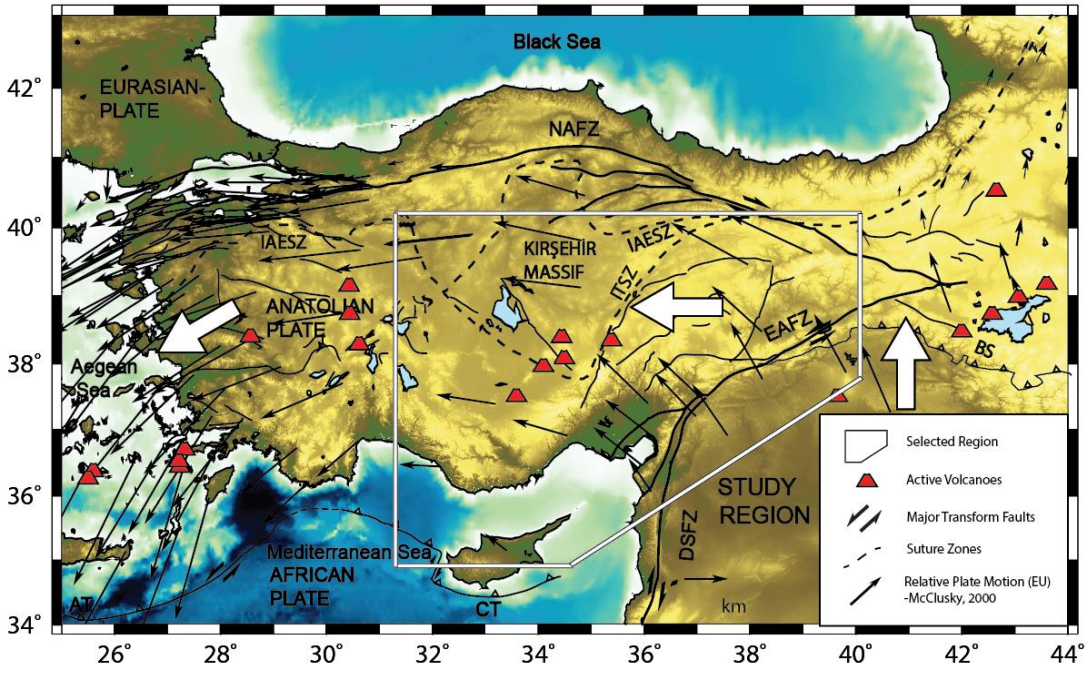


Figure 1. Map showing of major tectonic structures, plate motions relative to Eurasian Plate (McClusky et al. 2000) and the location of the study area. (NAFZ: North Anatolian Fault Zone; EAFZ: East Anatolian Fault Zone; CT: Cyprean Trench; İAESZ: İzmir-Ankara-Erzincan Suture Zone; İTSZ: Inner-Tauride Suture Zone; BS: Bitlis Suture).

In the east, the indenter-style collision of northward moving Arabian plate which has been forming the East Anatolian Plateau is accounted as one of the driving forces of tectonic escape *(McKenzie, 1972; Jackson & McKenzie 1984; Allen et al. 2004)*. Results of recent seismic investigations revealed the presence of detached slab and relatively thin crust and mantle lithosphere *(Zor et al. 2003; Türkelli et al. 2003; Al-Lazki et al. 2004; Gök et al. 2003, 2007; Angus et al. 2006; Ozacar et al. 2008, 2010; Biryol et al. 2011)* beneath the plateau which is supported by hot asthenospheric mantle *(Keskin 2003; Sengör et al. 2003)*.

In the west, active convergence between the African and Anatolian plates takes place by northward subduction along the Aegean and Cyprus trenches where African Plate descends beneath Anatolian plate. Recent studies indicate that the dynamics of the subducting African plate is characterized by slab rollback and tearing that may have been particularly important in the tectonic evolution of Anatolia. According to geodetic measurements *(Reilinger et al. 1997; McClusky et al., 2000)* and seismic tomography studies *(Spakman, 1991; Wortel and Spakman, 1992)*, the African slab is steepening and retreating towards south with relatively fast rates (slab roll-back) across the Aegean Arc which was claimed to be the dominant factor controlling tectonic escape and ongoing extension in the west *(e.g. Reilinger et al. 2006)*. In addition, increasing evidence indicates the presence of multiple tears in the slab that may cause toroidal asthenospheric flow and Neogene volcanism that are not derived from a typical arc *(Faccenna et al. 2006; Wortel et al. 2009, Biryol et al. 2011)*.

1.3 Study Area

The study area, where our measurements are focused, is bounded by East Anatolian Fault Zone to the east, West Anatolian Extensional Province to the west, North Anatolian Fault Zone to the north and Cyprus Arc to the south *(Bozkurt, 2001)*. In the region, there are a lot of broadband seismic stations operated by KOERI and ERI-DAD (Figure 2). The selected area is thought to play a key role to connect the theories about the ongoing tectonic escape, the African Plate subduction along Cyprus Arc and the indenter-style collision of Arabian Plate along Bitlis Suture.

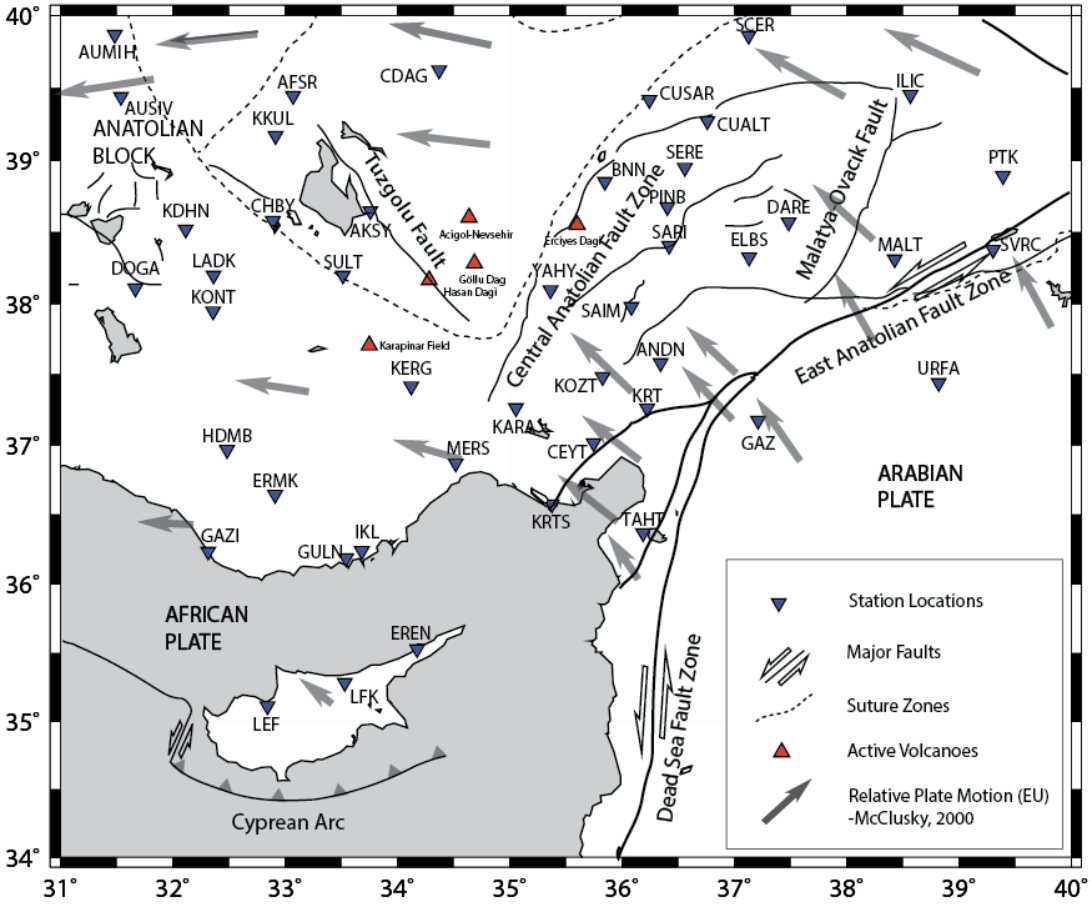


Figure 2. Map of the study area showing regional tectonic setting and seismic station distribution. Grey arrows indicate the surface motions relative to the fixed Eurasian Plate (McClusky et al. 2000).

Paleomagnetic studies indicate counterclockwise rotation of approximately 30º during the Neogene in Central Anatolia which is in agreement with geodetic measurements *(Tatar et al. 1996; Platzman et al. 1998)*. Based on low levels of horizontal strain and relatively low seismic activity, the coherent rigid-body rotation

is suggested as the controlling tectonic mechanism for Central Anatolia *(McClusky et al. 2000, Reilinger et al. 2006)*. In contrast, a recent geodetic study conducted with dense sampling suggested the presence of significant internal deformation in the

region *(Altuğ et al., 2012)* which is consistent with seismic and geological records suggesting widespread active deformation *(e.g. Saroğlu et al. 1992; Dirik & Göncüoğlu 1996; Koçyiğit et al. 2001; Koçyiğit & Özacar 2003; Kaymakçı et al. 2003, 2006; Rojay & Karaca 2008)*.

İzmir-Ankara-Erzincan and Inner-Tauride sutures are the two major Tethyan sutures bounding different continental fragments in the Anatolian plate *(Okay & Tüysüz, 1999)*. The Kırşehir Massif located within the study area (Figure 2), is commonly regarded as a continental block characterized by Cretaceous metamorphic rocks separated from the Anatolide-Tauride Block by the Inner-Tauride Suture *(Görür et al.* 1984; *Kaymakçı et al. 2003).* The major intra-plate faults located in the study area are Malatya-Ovacık, Tuzgölü and Central Anatolian fault zones (Figure 2). The Malatya-Ovacık Fault Zone (MOFZ) is an active sinistral strike-slip fault zone and it was interpreted to form the Anatolian plate boundary during ~3-5 Ma *(Kaymakci et al. 2006)*. The Tuzgölü Fault Zone (TFZ) is an active dextral strike-slip fault zone with minor normal component and its northern tip recently reactivated during a moderate earthquake *(Tan et al. 2010)*.

The Central Anatolian Fault Zone (CAFZ) is a sinistral strike-slip fault zone, formed by the reactivation and propagation of an older paleotectonic structure: 'Ecemiş Fault' *(Koçyiğit & Beyhan 1998)*. Towards north, this shear zone is quite wide and comprises numerous segments with abundant oblique and normal faults bounding pull-apart basins. In contrast, southern CAFZ (Ecemiş Fault) runs in a narrow deep corridor within Taurus Mountains. Although, recent activity of CAFZ is still controversial and geodetic data indicate only minor horizontal strain, it has been proposed to accommodate large deformations related to tectonic escape of Anatolia *(Jaffey et al. 2004)*. Furthermore, *Gans et al. (2009)* identified significant change in Pn-wave speed corresponding to the CAFZ which has been interpreted as a major lithospheric boundary bounding the Kırşehir Block from southeast.

The study area is also characterized by widespread volcanism with several large strato-volcanoes which are mostly confined between TFZ and CAFZ (Figure 2). Recent basaltic volcanism in Central Anatolia display transition from calc-alkaline to alkaline character reflecting the effect of slab windows associated to detached and torn sections of the slab *(Gencalioglu Kuscu and Geneli, 2010).* Similarly, slow velocity perturbations identified by tomography, correlate with high topography, slab windows and volcanic centers at the surface *(Gans et al. 2009; Biryol et al. 2011).* Moreover, southern margin of the Central Anatolia has experienced a rapid uplift since Late Miocene which caused Miocene marine carbonates to be found at the summits of Tauride Mountains *(Schildgen et al., 2012)*. In this respect, the geometry of lithospheric slabs and low velocity anomalies, and Pliocene to recent alkaline volcanism point toward the presence of potentially upwelling asthenosphere through a break or tear in the subducting slab as a driving force for the uplift of the southern margin *(Cosentino et al. 2012).*

1.4 Previous Studies

Previous shear wave splitting studies focused on the mantle anisotropy consist of the works of *Hatzfeld et al. (2001), Sandvol et al. (2003), Şapaş & Boztepe-Güney (2009), Paul et al. (2010), Biryol et al. (2010),* and *Evangelidis et al. (2011)* (Figure 3).

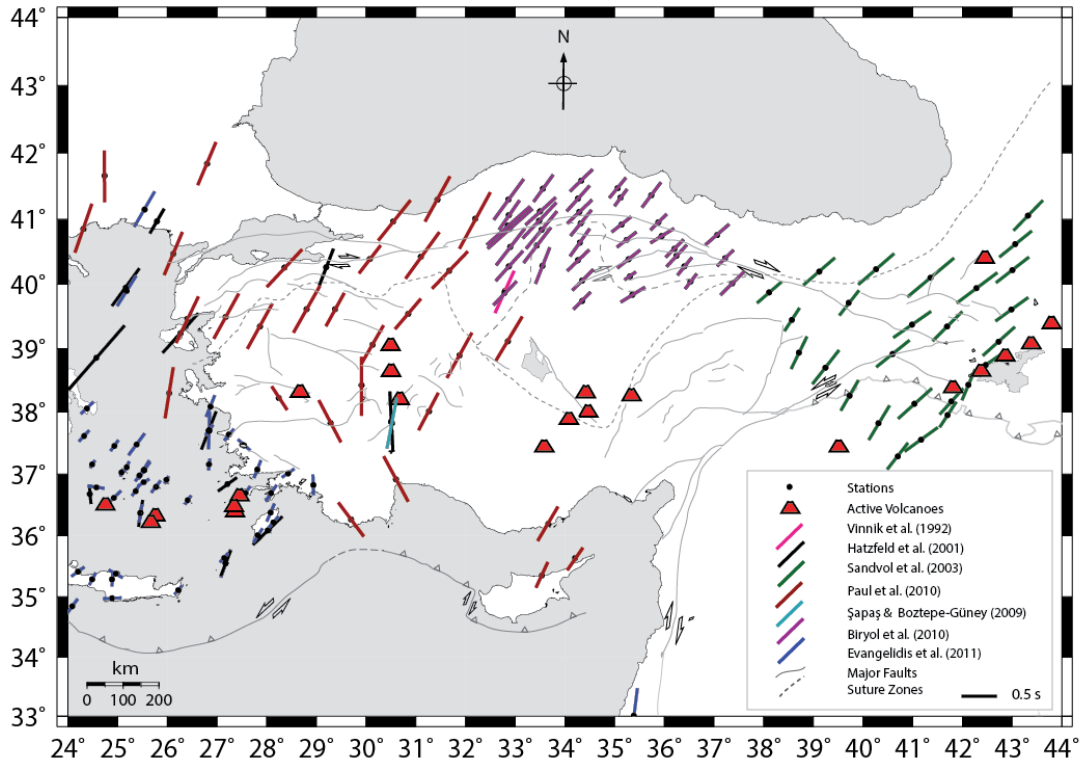


Figure 3. Map showing shear wave splitting results of previous studies conducted in Turkey and surrounding regions.

The seismic anisotropy beneath the Aegean region is analyzed by both *Hatzfeld et al. (2001) and Evangelidis et al. (2011). Hatzfeld et al. (2001)* noted that the SKS splitting measurements does not show a homogeneous pattern. They observed little anisotropy in the continental Greece or along the Aegean Arc, however significant anisotropy in the North Aegean Sea. In conclusion, they explained that the measurements of mantle anisotropy in the Aegean do not correlate with pre-existing structural fabric (frozen into the lithosphere). Nor do they correlate with geodetic displacements relative to absolute plate motions. However, the fast polarization parameters are rather well correlated, both in terms of orientation and magnitude, with the strain rates as evidence by the GPS measurements and the seismicity. It is

spread over a wide region around the major faults and values of delay times are too large to be restricted to the crust therefore the crust and upper mantle were suggested to be coupled deforming similarly.

Shear wave splitting of eastern part of Turkey is analyzed by *Sandvol et al. (2003)* by using 29 broadband seismic stations across the collision zone of the Arabian, Eurasian and Anatolian plates. They determined relatively uniform, NE-SW directed fast splitting polarizations and observed no abrupt changes in anisotropy directions across the main tectonic units in the region. Most importantly, the fast polarization directions are sub-parallel to the Anatolian, Arabian and Eurasian absolute plate velocities *(Sandvol et al., 2003; McClusky et al., 2000).* As a result of the lack of coherency between surface deformation and the observed shear wave splitting parameters, they suggested that the measured anisotropy is primarily asthenospheric. They also interpreted the shear wave splitting as the vector difference of the Eurasian lithosphere and northeastern directed flow of the asthenospheric mantle.

The Isparta Angle, which is located in the southwestern Turkey, is analyzed by *Sapas and Guney (2008).* They used a local ISP station and obtained 21 good quality seismic events out of 357 earthquakes. They noted a back azimuthal dependency indicating a complex mantle polarization unlike the before mentioned studies. They proposed a two layered model with a horizontal symmetry for mantle anisotropy beneath the Isparta Angle and interpreted its origin in terms of frozen fabric in the upper mantle and ongoing asthenospheric flow. The frozen fabric in the upper mantle is suggested as the remnant of past deformational episode of the Aegean extensional regime in N-S direction, which was active in Late Miocene to Early Pliocene time. On the other hand, the anisotropy caused by asthenospheric flow is thought to be a result of changing stress regime from N-S to NE-SW that occurred on the Aegean province around Late Pliocene - Early Quaternary time.

Biryol et al. (2010) analyzed shear wave splitting along the North Anatolian Fault Zone. Similar to *Sandvol et al. (2003)*, they found a uniform, NE-SW fast polarizations underneath the array and no significant variations across the North Anatolian Fault. They interpreted an asthenospheric source for the observed anisotropy based on the identified uniformity across the major tectonic provinces and suggested a SW directed flow consistent with forces exerted by the Aegean slab rollback.

Paul et al. (2010) analyzed shear wave splitting around Western Turkey using temporary stations of SIMBAAD deployment. The observed NE-SW directed fast polarizations in northwest Turkey are consistent with results of similar studies conducted across NAF and eastern Turkey. This very uniform pattern that can be followed from eastern Turkey to the north of the Aegean strengthens the hypothesis of mantle anisotropy being due to mantle flow in the asthenosphere as a consequence of the fast retreat of the Aegean slab. On the other hand, measured shear wave splitting is characterized by NNW-SSE directed fast polarizations around the slab tear in southwest Turkey suggesting possible presence of toroidal flow towards Aegean Arc.

Evangelidis et al. (2011) observed fast anisotropy directions are trench perpendicular in the back arc area and arc parallel near the trench. They also noted a gradual increase from south to north. According to their study, the relationship between the observed anisotropy and the crustal velocity or strain field is not uniform and a toroidal mantle flow around the slab edge located west of a slab window may be responsible from arc parallel flow within the mantle wedge.

Pn-tomography is also another important method that reveals the seismic velocity and anisotropy distribution in the uppermost mantle. Thus, the results of previous Pn-tomography studies (*Al- Lazki et al. 2004*; *Gans et al. 2009* and *Kömeç Mutlu*

and Karabulut, 2011) conducted across Turkey are discussed in the thesis. *Al-Lazki et al. (2004)* mapped the Pn-wave speeds and anisotropy at the junction of the Arabian, Eurasian and African plates and they found highly variable Pn anisotropy and low Pn velocities under most of the continental regions suggesting presence of thin and hot mantle lithosphere. Later, *Gans et al. (2009)* analyzed the uppermost mantle velocity structure beneath central and eastern Turkey by using Pn tomography and similarly identified zones of the very low Pn velocities beneath East Anatolian Plateau and Neogene volcanic complex in Central Anatolia. In addition, a sharp transition corresponding to CAFZ is observed suggesting lithospheric scale boundary that possibly represents the edge of the slab window created during detachment of African slab around 11 Ma. Most recently, *Kömeç Mutlu and Karabulut (2011)* conducted a Pn tomography study around Turkey and adjacent regions. Their results displayed similar anomalies which correlate well with the young volcanism of the easternmost and central Anatolia. This study also provided a better resolved distribution of uppermost mantle anisotropy where large amounts of anisotropy reaching up to 0.6 km/s are observed under the Central Anatolian Volcanic Complex (Figure 4).

In order to interpret mantle structure and deformation leading to seismic anisotropy, it is essential to know the slab geometry and teleseismic tomography provides interpretable images of seismic velocities where fastest anomalies represents subducted slabs present at the mantle. Thus, results of previous teleseismic tomography studies (*Wortel and Spakman 2000; Biryol et al. 2011)* conducted in the area are discussed. *Wortel and Spakman (2000)* analyzed the subduction and slab detachment in the Mediterranean-Carpathian region and noted that the subduction and slab detachment plays a fundamental role for the tectonic evolution of Turkey. *Govers and Wortel (2005)* noted that the slab edges and associated tearing of subducting lithosphere along transform faults are commonly observed in the Mediterranean region. They termed these kinks in plate boundaries as ‘Subduction Transform Edge Propagator’ (STEP). They associated the formation of the STEP with the differential trench retreat rates.

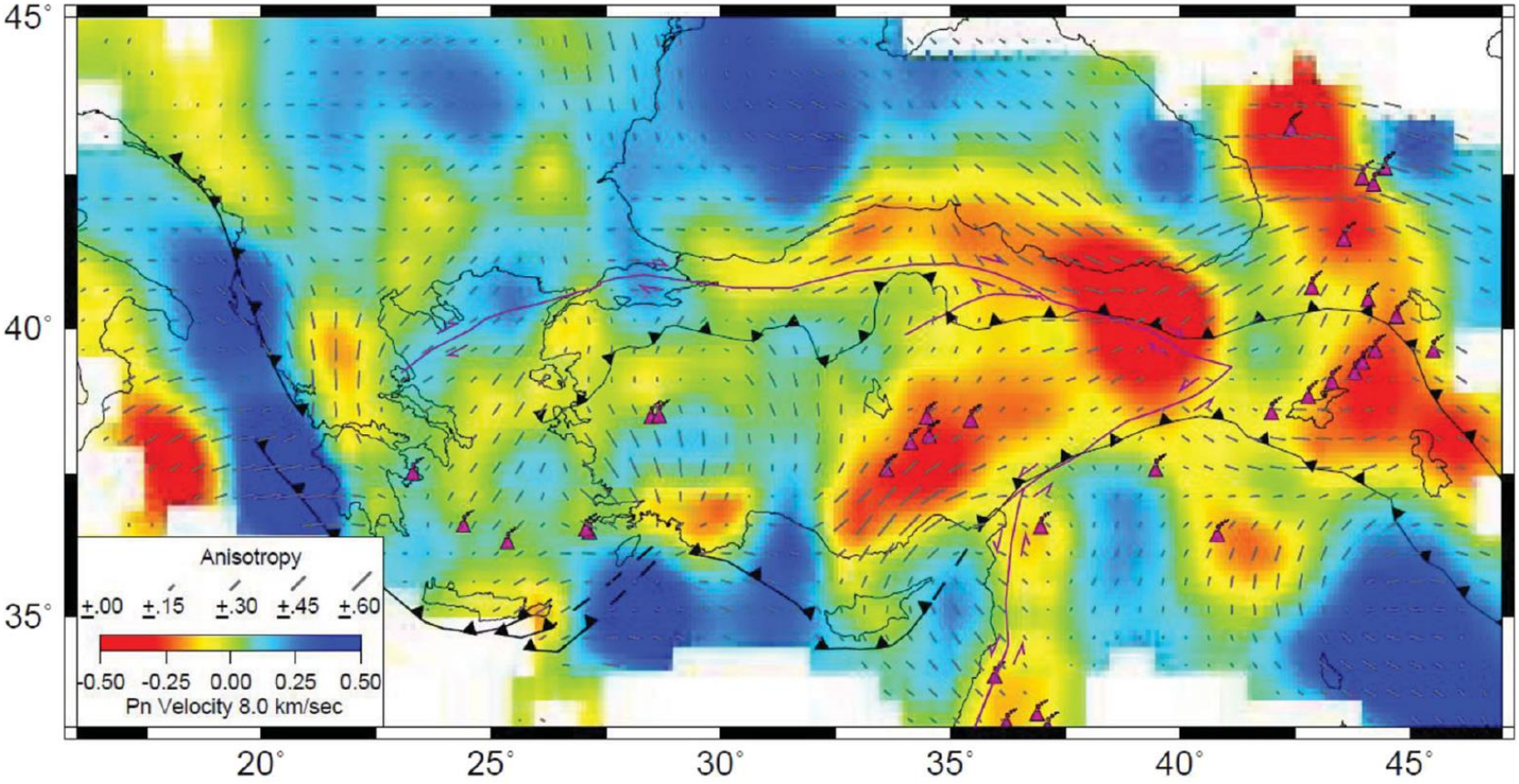


Figure 4. Map showing Pn velocity perturbations and uppermost mantle anisotropy directions along with major tectonic structures (taken from Kömeç Mutlu and Karabulut, 2011). Pink triangles represent young volcanic centers.

Biryol et al. (2011) investigated the structure beneath Anatolia with teleseismic P-wave tomography and proposed that the slab extending from Aegean Arc to Bitlis suture is discontinuous. According to their results, the slab is detached east of Cyprus and there is a minor tear at the Paphos Transform Fault and a major tear at the Strabo Transform Zone forming a large slab window beneath Western Anatolia. They also interpreted the observed low velocity anomalies as upwelling asthenospheric material through the tears (Figure 5). Since Aegean Arc retreats rapidly towards SW with respect to relatively static Cyprus slab, these identified tears can be referred as STEPs that initiated and propagated due to the differential retreat rates.

In geodynamic context, *Le Pichon and Kreemer (2010)* proposed a dynamic scenario for the geological evolution of the area combining both roll-back induced toroidal asthenospheric flow and asthenospheric rise following the slab detachment in the east which led to the initial uplift forming East Anatolian Plateau and aid the westward extrusion of Anatolia *(e.g., Faccenna et al., 2006)*. Recently, *Concentino et al. (2012)* also proposed a geodynamic model for the development of the present topography and rapid uplift in Central Anatolia which involves southwest propagation of Arabian slab break-off to induce later phase of uplift in the southern margin of the Central Anatolian Plateau. Both models suggested that the high elevations at the Central and East Anatolia are partially compensated by warm asthenosphere that upwelled following the slab break-off.

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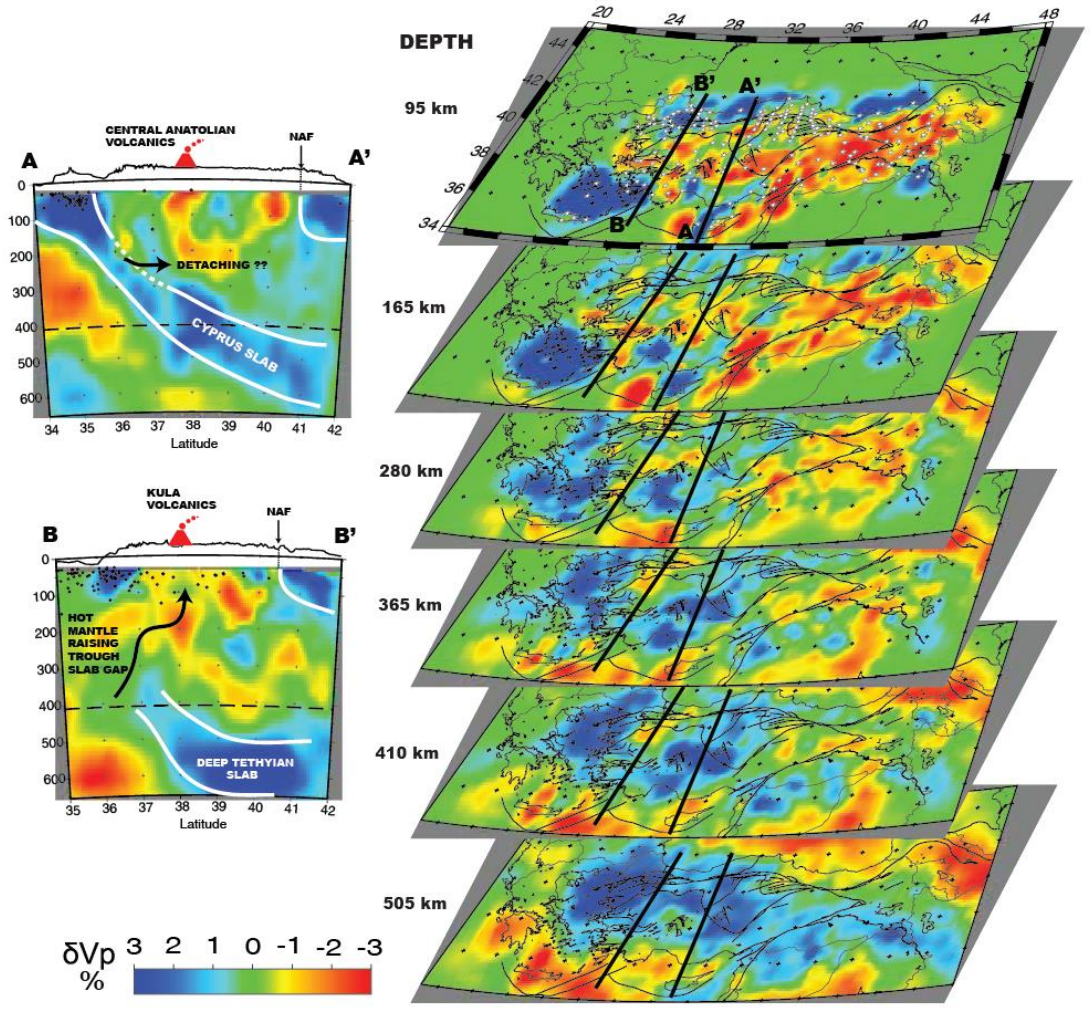


Figure 5. Teleseismic P-wave tomography results of Biryol et al. (2011). Horizontal slices at various depths are shown on the right and interpreted cross-sections passing across central and western Turkey are displayed on the left.

CHAPTER 2

SEISMIC ANISOTROPY

2.1 Anisotropic Medium

According to Hooke's law, the stresses are linearly proportional to the strains for purely isotropic, linearly elastic material where tensor of elastic moduli, is reduced to two independent elastic constants, λ and μ. Thus, the elastic properties of isotropic material are same in all directions. Though the Earth is generally considered to be isotropic as a first approximation, anisotropy which is defined as the dependence of physical properties to the direction has to be accounted. In anisotropic case, the stress and strain relationship involves more than two elastic constants and the material properties would differ depending on the direction. Seismic wave velocities depend on the elastic constants, as a result the waves travelling through an anisotropic medium travel faster or slower depending on the direction of propagation and polarization.

Anisotropy may result from crystal structure and heterogeneities within the rock assemblage such as cracks and layering. Although many alternative symmetry systems have been proposed for different minerals *(Babuska and Cara, 1991)*, mostly hexagonal symmetry with a single axis of rotational symmetry that requires least amount (5) of elastic parameters is assumed while analyzing the Earth *(Silver and Chan 1991; Chevrot 2000).*

Naturally deformed rocks can display non-random distribution of crystallographic orientation which is commonly known as lattice-preferred orientation (LPO). In this case, the symmetry axis of anisotropy forms in mineral alignment direction. For instance, the alignment of olivine grains, primary constituent of upper mantle, results in unique fast-axis symmetry where seismic waves travel faster along the direction of elongated olivine grains (*Karato, 1987; Nicolas & Christensen, 1987; Karato, 1998)*. On the other hand, layered medium and alignment of cracks lead to anisotropy with unique slow-axis symmetry where seismic waves travel slower in the direction perpendicular to layering or cracks (Figure 6). Although systematic back azimuthal variations may sometimes suggest a dipping symmetry axis or a two-layer anisotropy model, the observations are mostly explained by hexagonally anisotropy with a near-horizontal symmetry axis *(e.g. Silver and Chan, 1991)*.

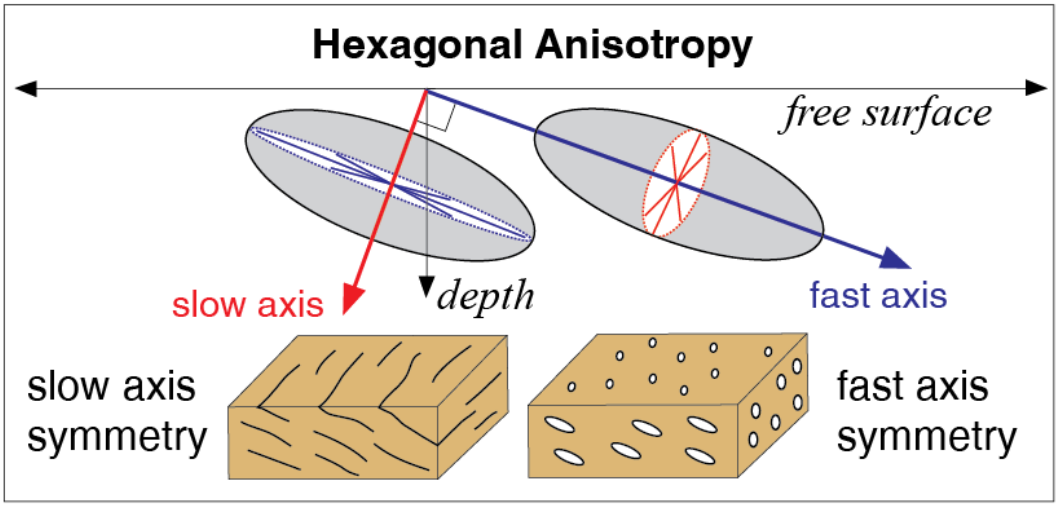


Figure 6. Illustration of slow and fast axis symmetries in hexagonal anisotropy that form due to the alignment of cracks and minerals.

2.2 Seismic Anisotropy in Earth's Interior

Earth anisotropy is observed at a number of different depths, arising from a variety of different mechanisms *(e.g., Maupin and Park, 2007)*.

2.2.1 Crustal anisotropy

In the upper crust, a limited amount of anisotropy can be caused by fine-scale horizontal layering and preferred crack alignment. In laboratory experiments, the crack orientations observed as perpendicular to the axis of minimum compressional stress *(Nur and Simmons, 1969).* In this case the fast polarization direction will align with the crack direction and this is sometimes used as a measure of the direction of maximum compression in the crustal stress field. At pressures greater than ~200-300 MPa, corresponding to ~10-15 km depth, the cracks close (*Kern, 1990; Hrouda, 1993)*. Thus, lower crustal anisotropy below these depths is caused by other phenomena, for instance, ductile flow or along shear zones *(e.g. Ozacar and Zandt 2004 and 2009).*

2.2.2 Mantle Anisotropy

Except D'' region where complex interaction with the liquid outer core occur *(Karato, 1998)*, the seismic anisotropy is weak or non-existent within the lower mantle and transition zone. Thus, the seismic anisotropy mainly occurs within the listhosphere and asthenosphere (the top 400 km of the Earth) *(Vinnik et al., 1992;*

Mainprice & Silver, 1993; Barruol & Mainprice, 1993). In the mantle lithosphere and asthenosphere, seismic anisotropy is either results from lattice-preferred orientation (LPO) *(e.g. Nicolas and Christensen, 1987)* or by fluid / melt inclusions or dikes *(Crampin, 1991; Kendall, 1994)*. The upper mantle is characterized by abundance of Olivine mineral which displays strong anisotropy *(Nicolas and Christensen, 1987; Crampin, 1991)*. According to laboratory studies, shear deformation rotate olivine minerals in the direction of shear with dislocation creep and forms LPO *(Nicolas and Christensen, 1987)*.

Viscous asthenosphere is weak with respect to more rigid continental lithosphere and thus serves as a decoupling zone which displays simple flow mechanism accommodating large strains *(Silver, 1996)*. If both lithosphere and mantle are in motion, the observed anisotropy is expected to align with the differential motion vector *(Silver et al., 2001).* On the other hand lithosphere may contain pervasive fabric and exhibit anisotropy which is formed due to both past and present tectonic deformations. If the anisotropy directions are inconsistent with the absolute plate motion (APM), but match the surface trends of major tectonic structures (sutures, shear zones etc.), lithospheric sources of anisotropy are implied. It is also worth to note that the contribution of lithosphere to anisotropy will be more limited at regions characterized by thin lithosphere and low strain rates.

2.3 Shear Wave Splitting

Encountering an anisotropic medium, a polarized shear wave splits into two orthogonal components travelling with different velocities *(e.g., Crampin, 1981).* The main splitting parameters are the polarization direction ($\emptyset$) of the fast wave and the delay time (δt) between the fast and slow shear waves (Figure 7). The

polarization direction is assumed to indicate the anisotropy orientation, while the delay time is proportional to the strength of anisotropy and/or the thickness of the anisotropic layer.

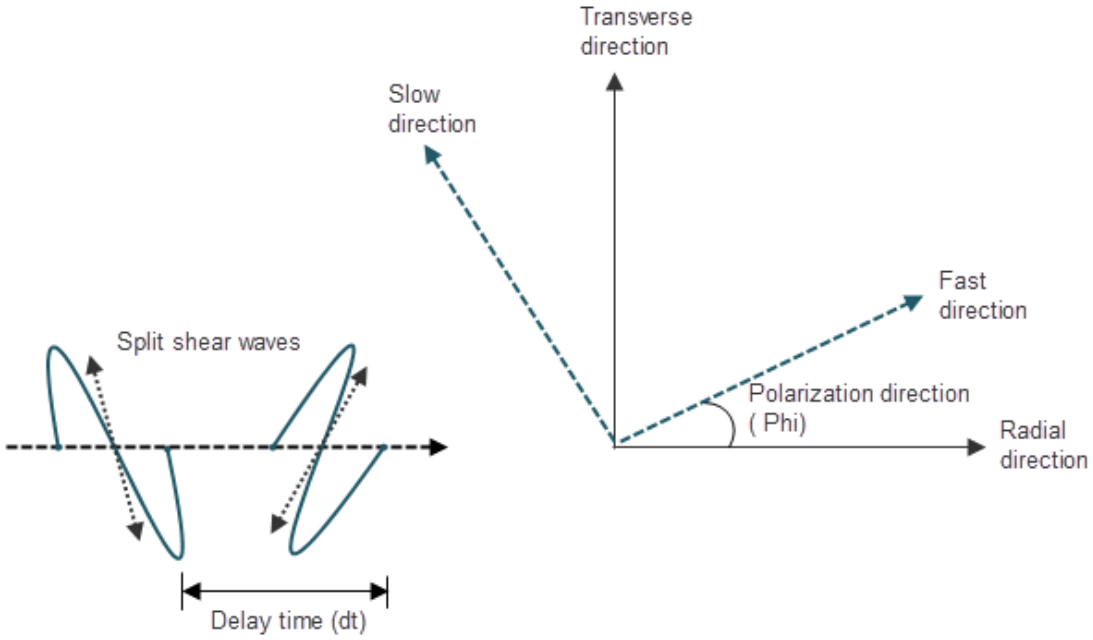


Figure 7. Illustration of measured splitting parameters that form during the propagation of a polarized shear waves within an anisotropic medium characterized by near-horizontal symmetry (modified from Stein and Wysession, 2003).

The outer core phases (SKS and SKKS) are ideal for the shear wave splitting analysis. First of all, they propagate within liquid outer core as P wave and converts to S waves at the core-mantle boundary (CMB) (Figure 8). This ensures that the measured splitting is related to anisotropy located at depths above CMB on the receiver-side. Secondly, these arrivals are sensitive to the lateral variation of

anisotropy since they sample crust and mantle beneath the station at near-normal incidence *(Ando, 1984; Silver and Chan, 1991*). Finally, they are entirely polarized in the radial (SV) direction at the start of their ascent from CMP before they are affected by anisotropy. However, these phases have limited vertical resolution and cannot accurately constrain the depth distribution of the anisotropy since splitting could be caused by any layer along the path between CMP and the receiver.

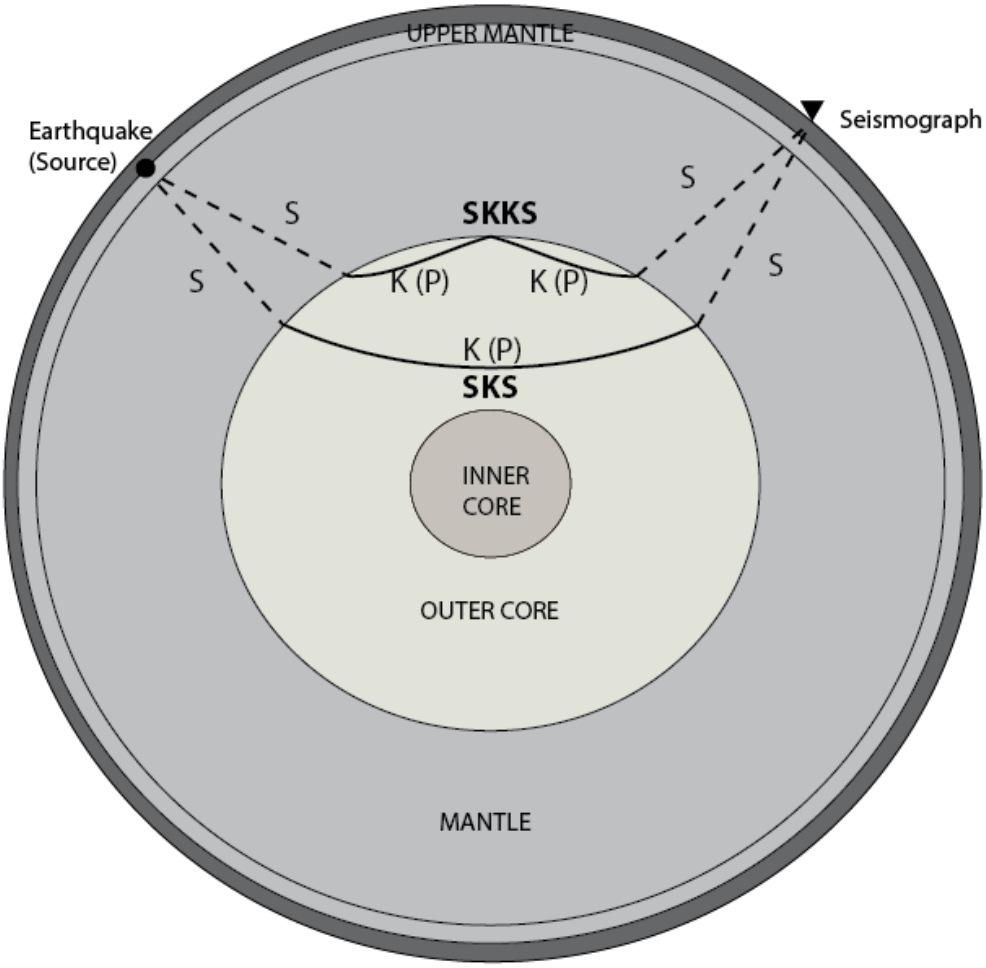


Figure 8. Ray paths of SKS and SKKS phases (modified from Stein and Wysession, 2003).

During splitting analysis of SKS and SKKS phases, the main source of anisotropy is commonly assumed to be near flat displaying horizontal fast axis symmetry which is consistent with alignment of olivine minerals *(Silver & Chan, 1991)*. The applied techniques for estimating the splitting parameters ($\emptyset \; and \; dt$) can be categorized into two main groups as Single-Event and Multi-Event Analysis. In Single-Event analysis, the anisotropy parameters are determined on a per-event basis *(e.g. Fukao, 1984; Silver & Chan, 1991; Menke & Levin, 2003).* In order to analyze seismic anisotropy from each individual earthquake, a grid search is performed for the splitting parameters which best linearize the particle motion and remove the energy in the transverse component. In Multi-Event approach, the transverse energy of individual splitting measurements coming from different azimuths are stacked whose minimum gives the splitting parameters that simultaneously explain multiple waveforms recorded at each station (*Wolfe and Silver, 1998*). This method which is developed to analyze noisy records, assumes a homogeneous anisotropic structure formed in a single horizontal layer beneath the station. Thus, any possible information on the back azimuthal variation of splitting parameters related to complex anisotropy (steeply dipping and/or multi-layered) is lost.

CHAPTER 3

DATA AND METHODOLOGY

The steps that have been followed during the shear wave splitting analysis of SKS and SKKS phases across central Anatolia are presented in this chapter. Workflow which consists of *data selection*, *data processing*, *shear-wave splitting analysis* and *quality analysis* are summarized in a flow chart given below (Figure 9).

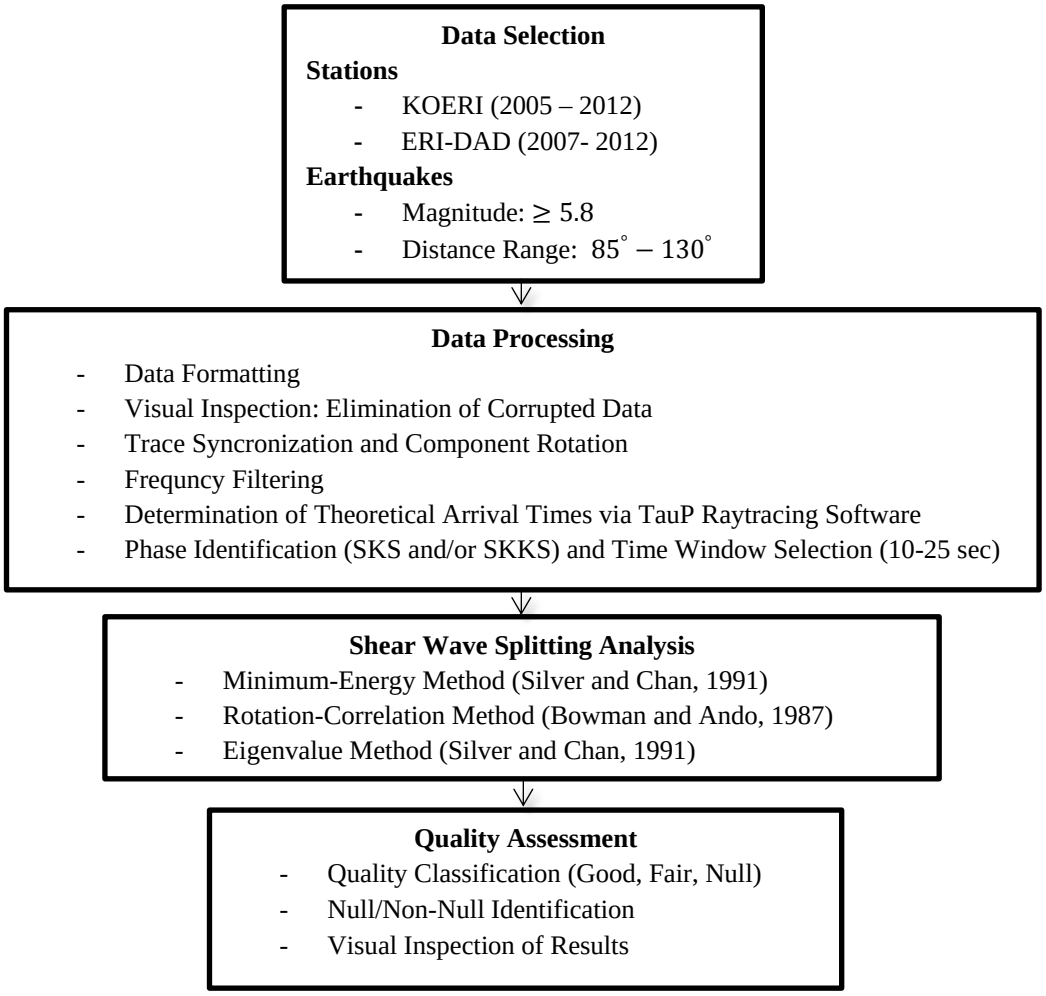


Figure 9. Flow chart summarizing the workflow.

3.1 Data Selection

We examined shear wave splitting of SKS and SKKS phases at 46 broadband stations that are operated by two different seismic networks across Central Anatolia. The seismic data of those 25 stations are obtained from Kandilli Observatory Home and Earthquake Research Institute (KOERI) between 2005 and 2012, and remaining 21 stations are from General Directorate of Disaster Affairs and Department of Earthquake Research (ERI-DAD) between 2007 and 2012. In order to observe SKS and SKKS phases clearly with high signal-to-noise ratio, we extracted data from earthquake with magnitudes (M_w) larger than 5.8, occuring at epicentral distances in the range of 85° to 130°. Resultant spatial distribution of analyzed events is shown Figure 10. Event origin times and locations are taken from the National Earthquake Information Center (NEIC) global catalog. Compared to SKS phases, analyzed SKKS phases are more limited and mostly included later to improve back azimuthal coverage of the stations.

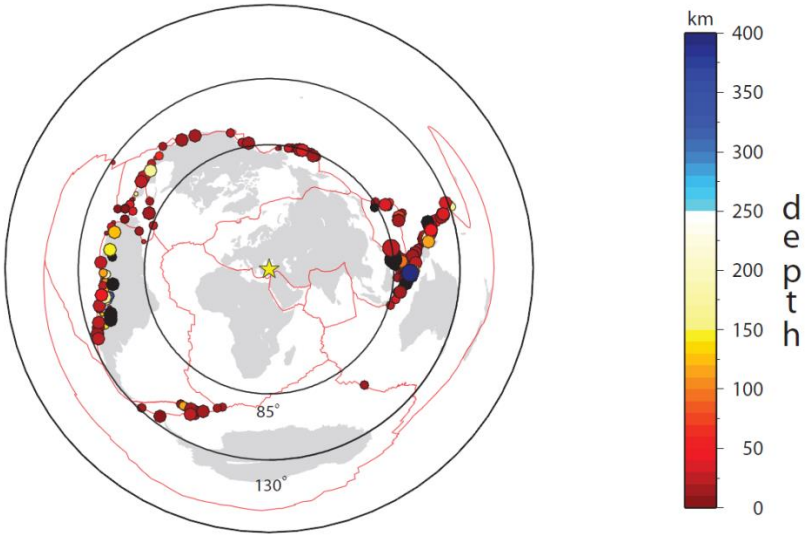


Figure 10. Distribution of earthquakes used in this study. Circles which are scaled according to event magnitudes represent the epicenter locations. Yellow star indicates the center point of the study area. The color scale shows the hypocentral depths of the events.

3.2 Data Processing

Before shear wave splitting analysis, a number of processing steps were applied to the dataset. At first, the seismic data is merged and converted to proper format in order to use the Seismic Analysis Code (SAC) which is a software designed for the study of seismic signals *(Goldstein and Snoke, 2005)*. The header files of obtained seismic traces are checked and missing event parameters that are required for ray tracing are included. At the end of this stage, the seismic traces are synchronized and a visual inspection is performed during which corrupted signals are discarded from the database. Next, database is transferred to the Splitlab software which provides a graphical user interface for shear wave splitting analysis *(Wüstefeld et al., 2008)*. Then, the components of seismic traces are rotated into the three-dimensional ray system (LQT) and theoretical arrival times of SKS and SKKS phases are calculated using seismic travel time calculator, TauP *(Crotwell et al. 1999)* which was incorporated to the Splitlab. Finally, a proper time window (generally 10-25 seconds) is assigned manually around the desired phases. For complex seismic traces displaying energies that are not within the dominant frequency range of SKS (~8 sec) and SKKS phases (~11 sec), we also applied a suitable broad bandpass frequency filter with cut-off limits of 1 and 25 sec and removed low and high frequency noise that may interfere during the splitting analysis.

3.3 Shear Wave Splitting Analysis

During shear wave splitting analysis, three different methods: the Rotation-Correlation (RC) method *(Bowman and Ando, 1987),* the Minimum Energy (SC) method *(Silver and Chan, 1991)* and the Eigenvalue (EV) method *(Silver and Chan,*

1991) are applied simultaneously using the Splitlab software. In principle, all three techniques perform a grid search for the splitting parameters. The RC method searches for the maximum cross-correlation between the corrected horizontal components, assuming that the orthogonally polarized fast and slow components have identical pulse shapes. The SC method searches for a combination of $\emptyset \; and \; dt$, which minimizes the energy on the transverse component causing elliptical particle motions assuming the initial polarization is known. The EV method searches the most linear particle motion by using eigenvalue based measure of linearity (small eigenvalue of the corrected covariance matrix) which can be applied even when the initial polarization is unknown. Utilizing multiple independent methods for determining splitting parameters provides means to test the reliability of the result *(e.g. Levin et al. 2004).* According to synthetic tests *(Wüsterfeld and Bokelmann, 2007)*, all three methods give similar non-null results, but splitting measurements of SC method is most stable over different back azimuth ranges.

3.4 Quality Assessment

At first, the results which have low signal-to-noise ratio (< 2.5) are assigned as noisy measurements and eliminated. Then the automated approach of *Wüstefeld and Bokelmann (2007)* which eliminates user bias is utilized to define the quality (good, fair and poor) and detect null measurements where shear wave is not split. This approach is based on comparison of results obtained from two different shear-wave splitting techniques: Rotation-Correlation (RC) and Minimum-Energy (SC) methods where the fast axis misfits ($|\emptyset_{SC} - \emptyset_{RC}|$) and delay time ratios ($\delta t_{SC}/\delta t_{RC}$) define the criteria for non-null / null classification and measurement quality. Figure 11 illustrates the distribution of measurements in our splitting database with respect to $|\emptyset_{SC} - \emptyset_{RC}|$ and $\delta t_{SC}/\delta t_{RC}$.

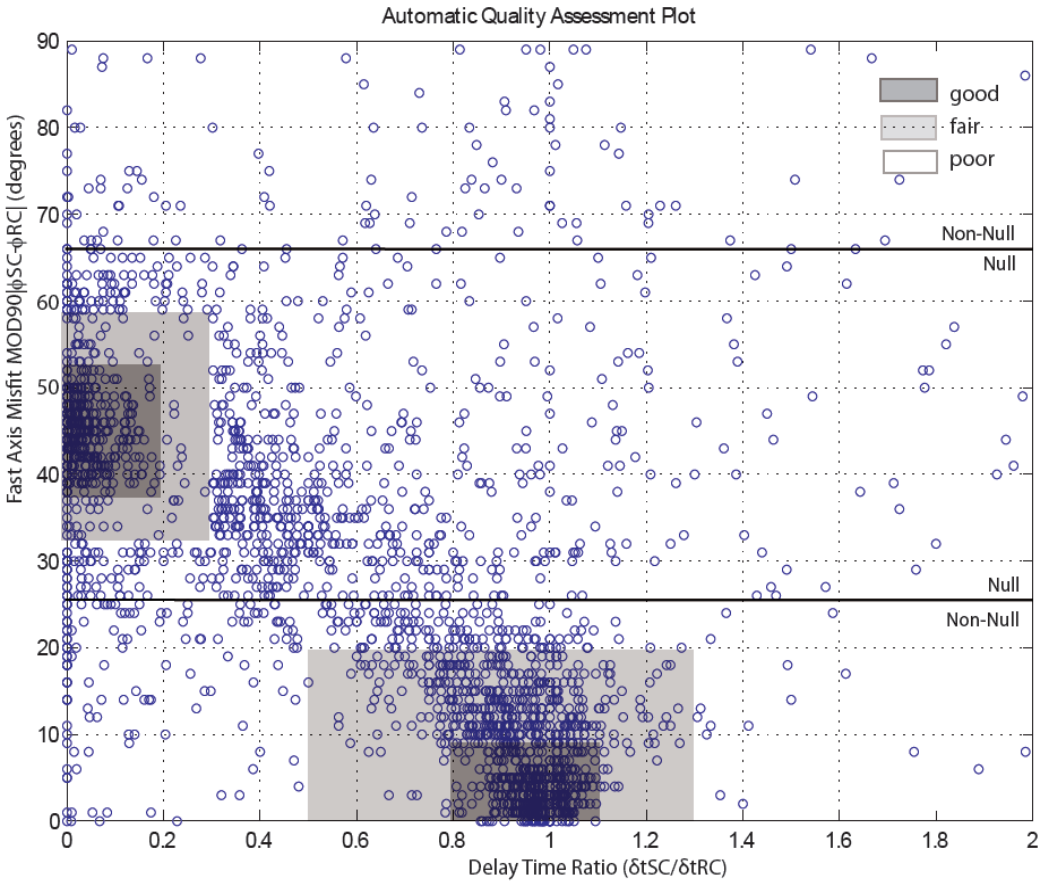


Figure 11. Distribution of measurements in our splitting database with respect to the quality assessment criteria utilized in this study.

According to synthetic test conducted by *Wüstefeld and Bokelmann (2007)* in the presence of clear splitting both RC and SC give similar results however RC method displays systematically diminished delay times and fast axis deviations of about 45° near null directions. In this respect, splitting measurements are classified as null

when obtained fast axis misfits between results of SC and RC methods are near 45° and delay time misfits are high (Figure 12). Such null measurements may result from lack of anisotropy, if the initial polarization coincides with either the fast or slow axis, or the presence of strong anisotropic heterogeneity *(Savage, 1999).*

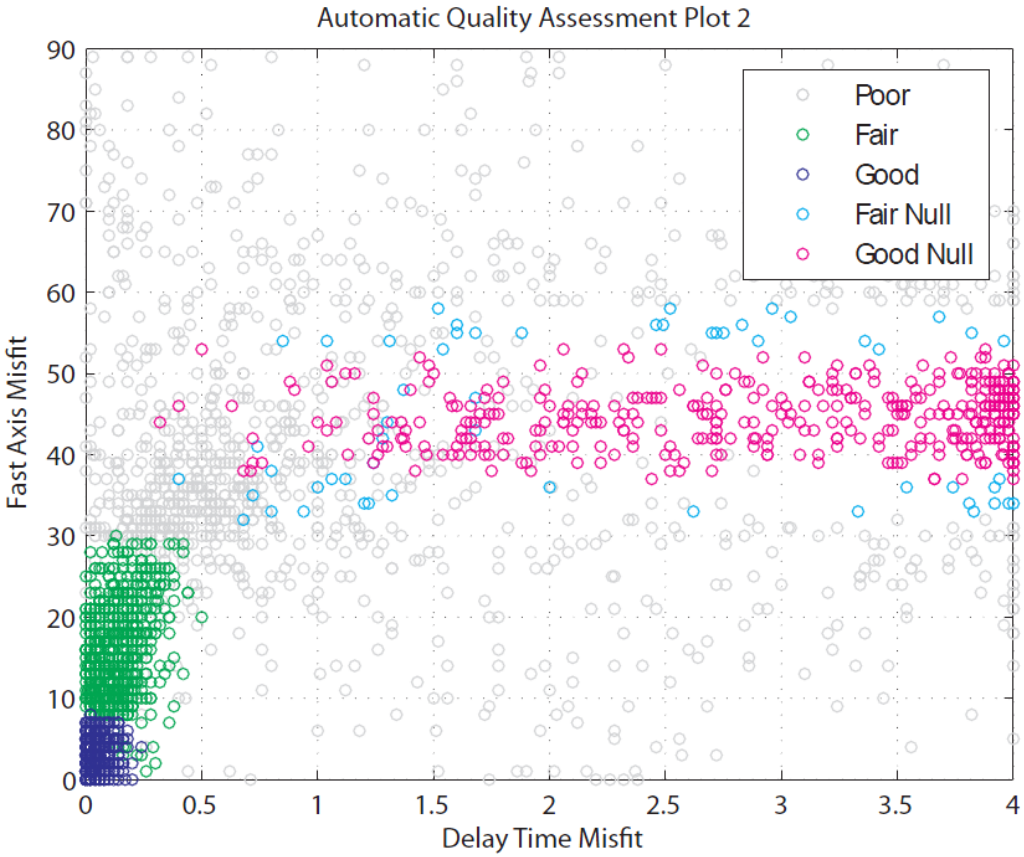


Figure 12. Distribution of splitting measurements with respect to delay time and fast axis misfits between Rotation Correlation (RC) and Minimum Energy (SC) methods.

Furthermore, quality is assigned based on similarity of non-null results and characteristic misfits of null measurements (Figure 11 and 12) as suggested by *Wüstefeld and Bokelmann (2007)*. Specific quality ranges used for both null and non-null observations are also given in Table 1.

Table 1. Quality and null detection criteria used in this study (δt: delay time, ∅: fast polarization direction).

	Null	**Non-Null**
Good	$37^{\circ} < \lvert \emptyset_{SC} - \emptyset_{RC} \rvert < 53^{\circ}$ $\delta t_{SC}/\delta t_{RC} < 0.2$	$\lvert \emptyset_{SC} - \emptyset_{RC} \rvert < 8^{\circ}$ $0.8 < \delta t_{SC}/\delta t_{RC} < 1.1$
Fair	$32^{\circ} < \lvert \emptyset_{SC} - \emptyset_{RC} \rvert < 58^{\circ}$ $\delta t_{SC}/\delta t_{RC} < 0.3$	$\lvert \emptyset_{SC} - \emptyset_{RC} \rvert < 20^{\circ}$ $0.5 < \delta t_{SC}/\delta t_{RC} < 1.3$

Later, all splitting results are visually inspected to evaluate the shear wave pulse, linearization of particle motions and how well splitting parameters are constrained defined by the size of the 95% confidence region. At this stage, poor measurements misclassified as null are identified and discarded. Moreover, measurements displaying large confidence regions are detected and assigned to correct quality class based on error ranges. A good quality non-null splitting have clear shear wave pulses, high signal to noise ratio, similar shaped fast and slow components, linearized particle motion, minimal transverse energy, a small confidence region and high similarity between results of RC, SC and EV methods. Figures 13 and 14 are showing non-null splitting results classified as good and fair respectively for visual comparison. On the other hand, good quality null splitting is characterized by clear pulses (high signal to noise ration) that are initially polarized (lack of elliptical motions) and significant discrepancy between results of RC and SC methods (e.g. Figure 15).

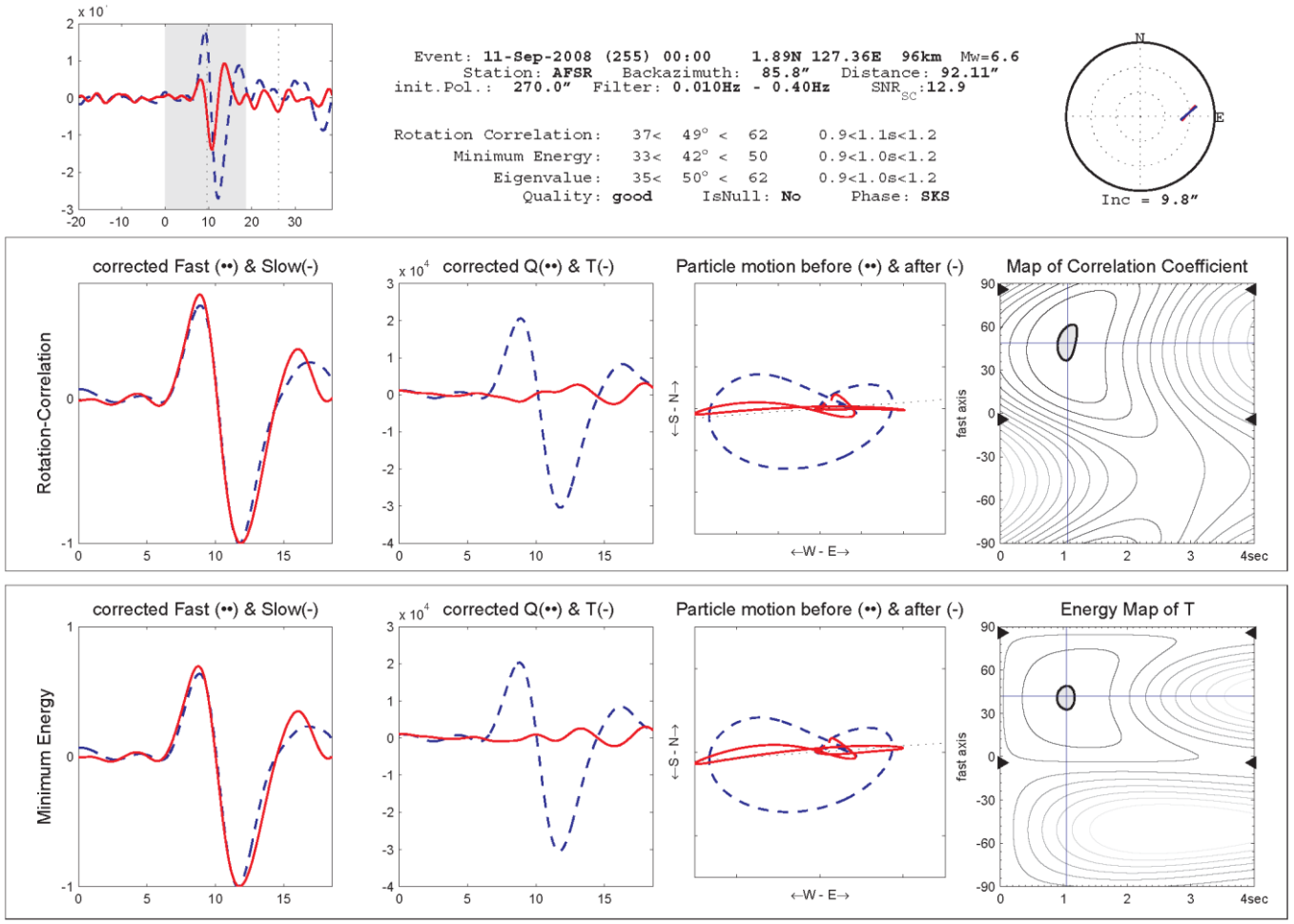


Figure 13. Good quality, non-null shear wave splitting with results of both Rotation Correlation (RC) and Minimum Energy (SC) methods.

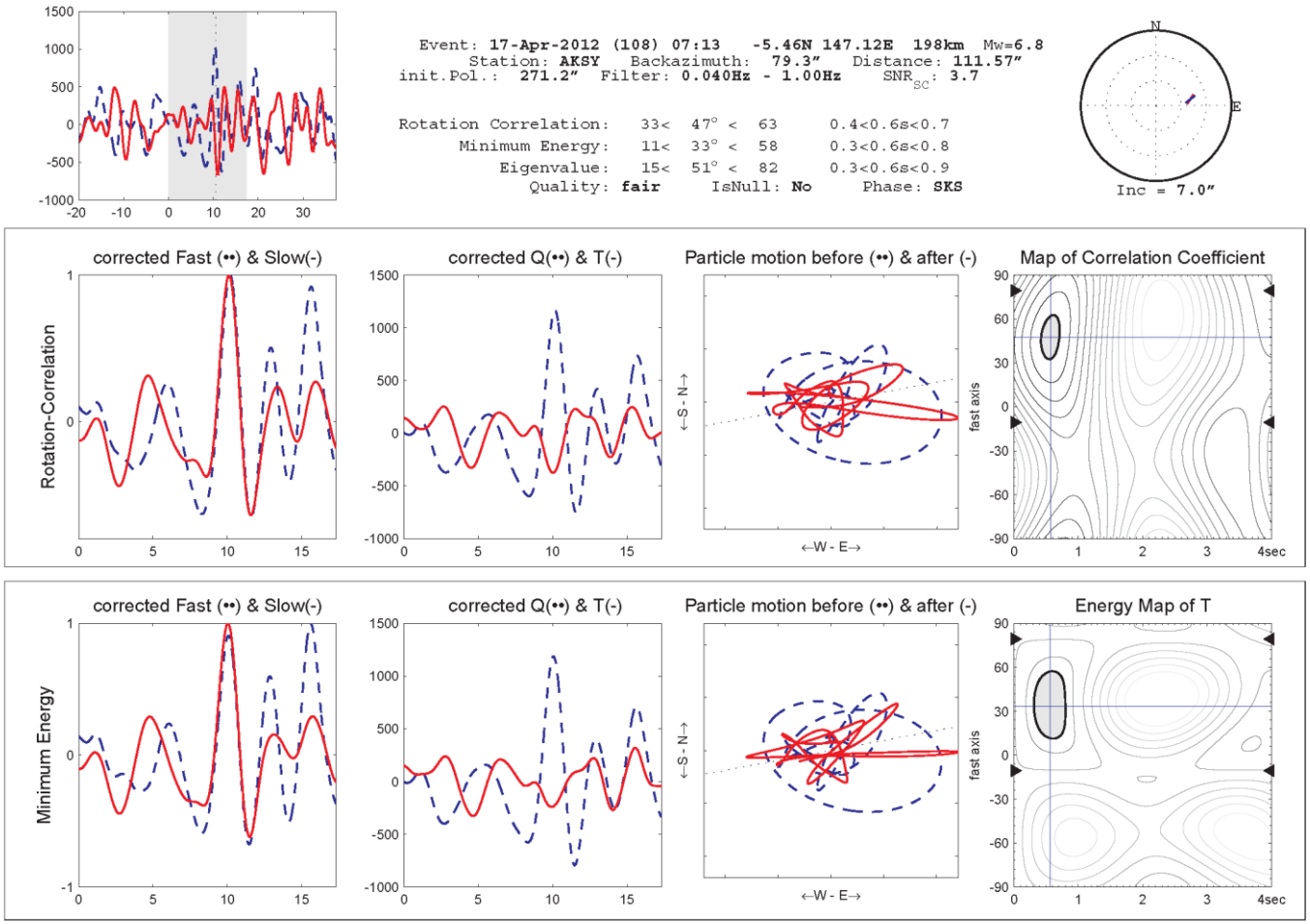


Figure 14. Fair quality, non-null shear wave splitting with results of both Rotation Correlation (RC) and Minimum Energy (SC) methods.

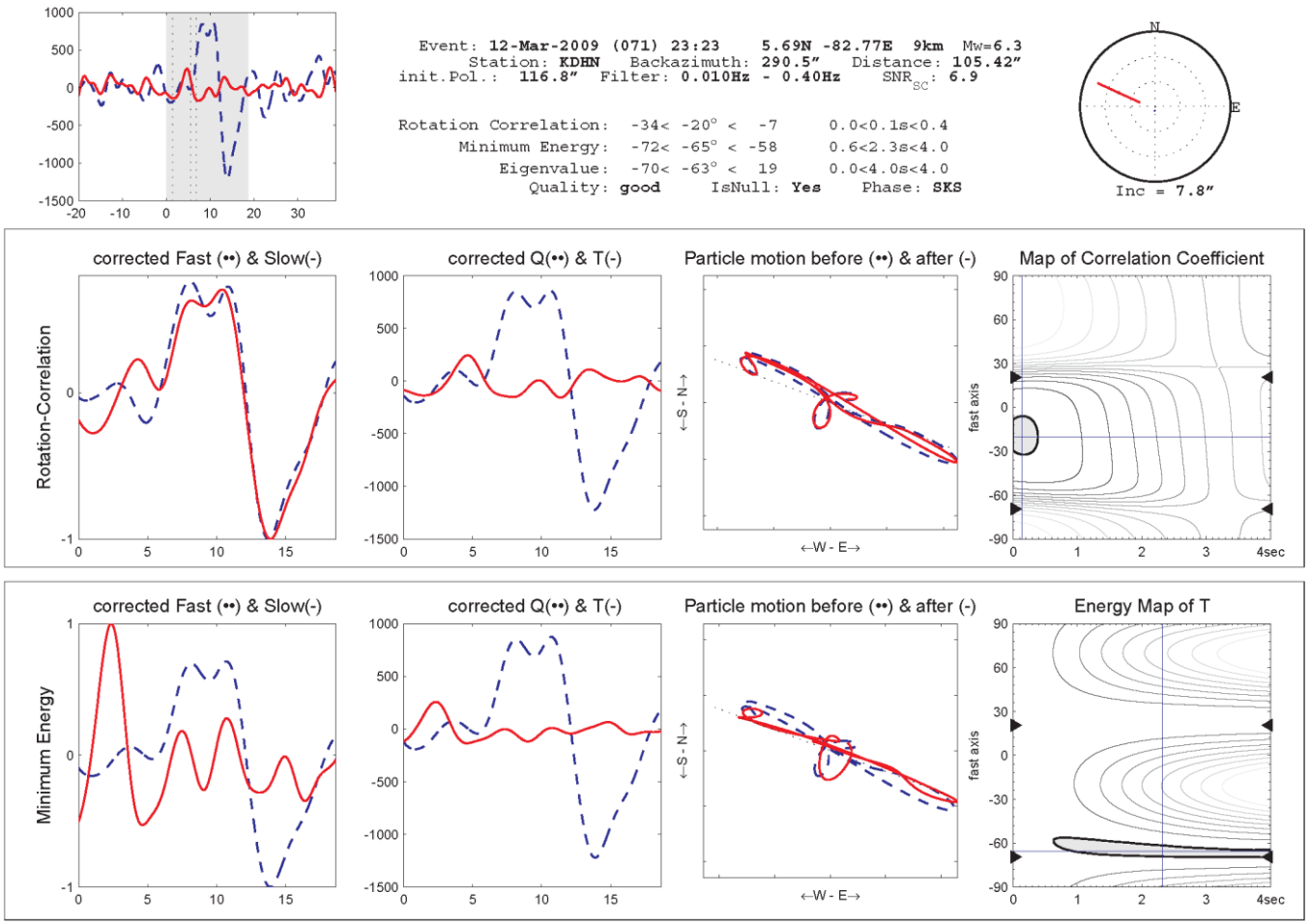


Figure 15. Good quality, null shear wave splitting with results of both Rotation Correlation (RC) and Minimum Energy (SC) methods.

CHAPTER 4

RESULTS

4.1 Individual Shear Wave Splitting Measurements

The analysis yielded 1171 well-constrained splitting parameters and 433 null measurements from 1346 SKS and 258 SKKS phases. Number vise, splitting measurements of SKKS phases are more limited but essentially show similar results and thus analyzed together with SKS splitting results. Detailed statistics of the measurements are summarized in Table 2. Splitting results of all events used in this study is presented as one page outputs in Appendix A. Figures 16, 17 and 18 show the fast axis orientations of both good and fair results obtained from Minimum Energy (SC), Rotation-Correlation (RC) and Eigenvalue (EV) methods, respectively. Except minor differences, splitting results of all three methods (SC, RC and EV) are similar and display dominantly NE-SW trending fast orientations with delay times on the order of 1 sec. On the other hand, the stations located within the central part of the seismic network between the longitudes $33^{\circ}E$-$37^{\circ}E$ are characterized by significant deviations and increased number of null measurements. It is worth to note that this region lies north of Cyprus trench and southeast of Tuz Gölü and coincides with the eastern edge of Cyprus slab, Neogene volcanism and Central Anatolian Fault Zone. Figure 19 represents the back azimuthal distribution of the events that produced null measurements. In an isotropic case, null measurements are expected to occur at every back azimuth. In contrast, most of our null results are detected along back azimuths sub-parallel or perpendicular to the fast polarization which is consistent with the presence of anisotropy.

Table 2. Number count and quality statistics of shear wave splitting measured at each station (black fill mark stations displaying mostly null measurements, grey fill marks stations where splitting measurements display significant variations with back-azimuth).f

Stations	Latitude	Longitude	#Good	#Fair	#Good Null	#Fair Null	#Total SKS	#Total SKKS	#Total
AFSR	39,4468	33,0707	17	23	5	1	36	10	46
AKSY	38,6497	33,7607	7	12	3	1	15	8	23
ANDN	37,58	36,3453	21	18	6	7	44	8	52
AUMIH	39,8679	31,4832	9	11	3	0	16	7	23
AUSIV	39,4396	31,5397	5	4	3	1	10	3	13
BNN	38,8522	35,8472	0	5	37	8	46	4	50
CDAG	39,6236	34,3719	19	42	2	1	51	13	64
CEYT	37,0107	35,7478	15	24	22	0	54	7	61
CHBY	38,58	32,89	4	2	1	0	5	2	7
CUALT	39,2733	36,7583	7	3	4	1	10	5	15
CUSAR	39,4185	36,2444	8	3	6	1	14	4	18
DARE	38,5712	37,4832	11	16	17	0	38	6	44
DOGA	38,1058	31,6682	10	9	5	0	19	5	24
ELBS	38,3243	37,1327	4	6	4	0	11	3	14
EREN	35,5292	34,1742	2	9	9	3	22	1	23
ERMK	36,6414	32,9113	33	30	8	1	65	7	72
GAZ	37,1722	37,2113	4	3	7	3	16	1	17
GAZI	36,2347	32,3157	5	6	0	2	9	4	13
GULN	36,1873	33,5436	5	6	4	0	15	0	15
HDMB	36,964	32,486	2	8	10	1	18	3	21
IKL	36,2387	33,6852	11	17	10	2	37	3	40
ILIC	39,452	38,5678	8	18	2	0	24	4	28
KARA	37,2607	35,0547	14	20	23	0	55	2	57
KDHN	38,5209	32,1164	41	60	10	0	89	22	111
KERG	37,4146	34,1253	1	2	8	1	11	1	12
KKUL	39,1713	32,9173	10	15	5	1	25	6	31
KONT	37,9453	32,3605	16	31	10	1	50	8	58
KOZT	37,4805	35,8268	9	14	26	0	45	4	49
KRT	37,2595	36,2232	4	6	3	2	13	2	15
KRTS	36,573	35,375	13	12	3	0	28	0	28
LADK	38,2	32,3648	26	26	3	0	39	16	55
LEF	35,1118	32,8433	14	17	10	2	38	5	43
LFK	35,2832	33,5337	6	10	10	1	25	2	27
MALT	38,313	38,427	7	11	5	1	20	4	24
MERS	36,8678	34,522	7	23	23	0	49	4	53
PINB	38,6769	36,4027	2	13	12	4	26	5	31
PTK	38,8923	39,3923	3	14	4	0	20	1	21
SAIM	37,9766	36,0823	1	7	8	0	10	6	16
SARI	38,4072	36,4182	5	9	4	0	17	1	18
SCER	39,8613	37,1286	45	32	13	1	71	20	91
SERE	38,95	36,56	2	4	0	0	3	3	6
SULT	38,1988	33,5157	4	8	10	0	18	4	22
SVRC	38,3775	39,306	10	24	3	0	34	3	37
TAHT	36,367	36,186	4	8	5	1	12	6	18
URFA	37,441	38,8213	28	39	10	1	61	17	78
YAHY	38,0947	35,363	4	8	7	1	12	8	20

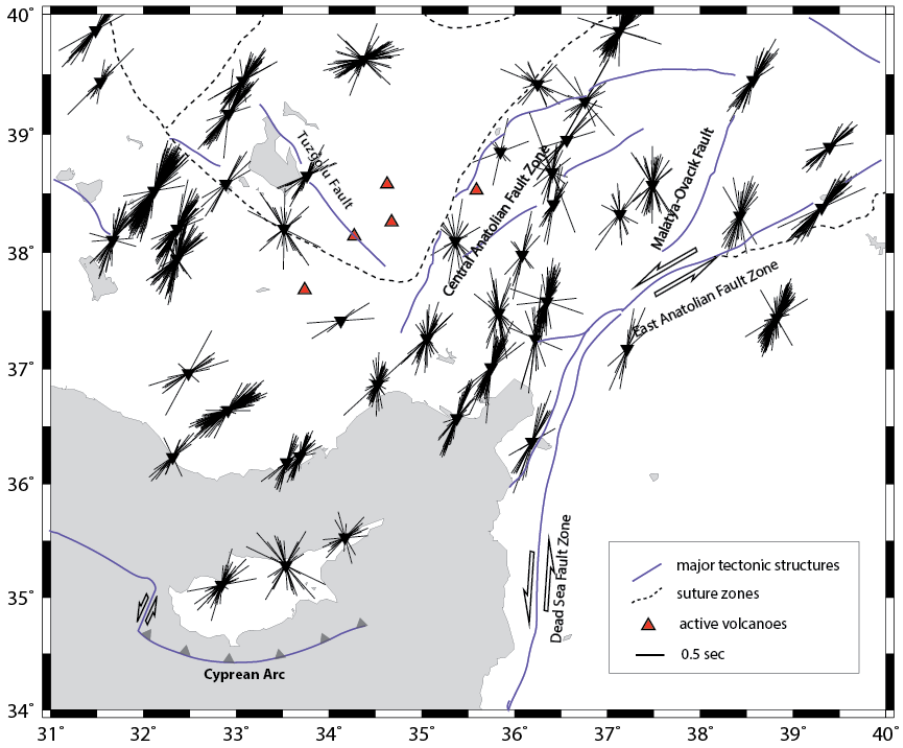


Figure 16. Map showing individual splitting measurements (good and fair) of SC method.

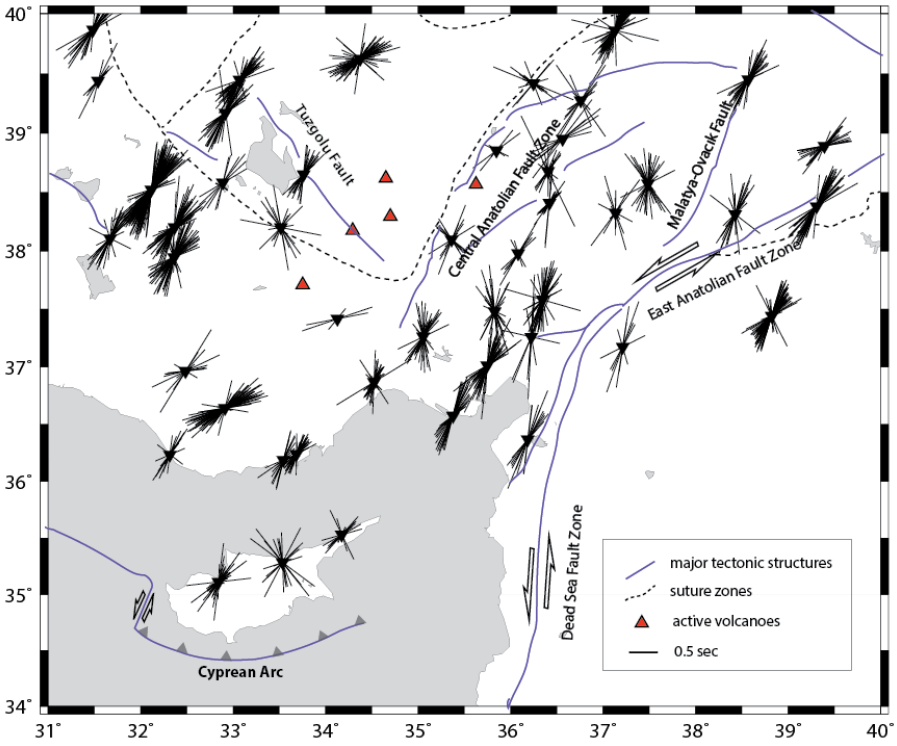


Figure 17. Map showing individual splitting measurements (good and fair) of RC method.

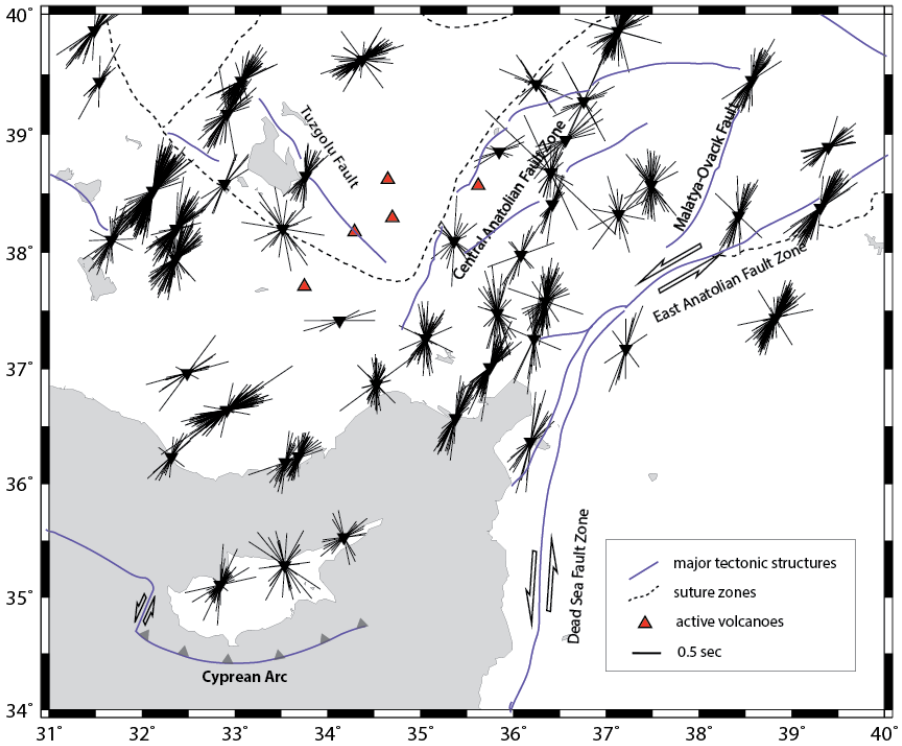


Figure 18. Map showing individual splitting measurements (good and fair) of EV method.

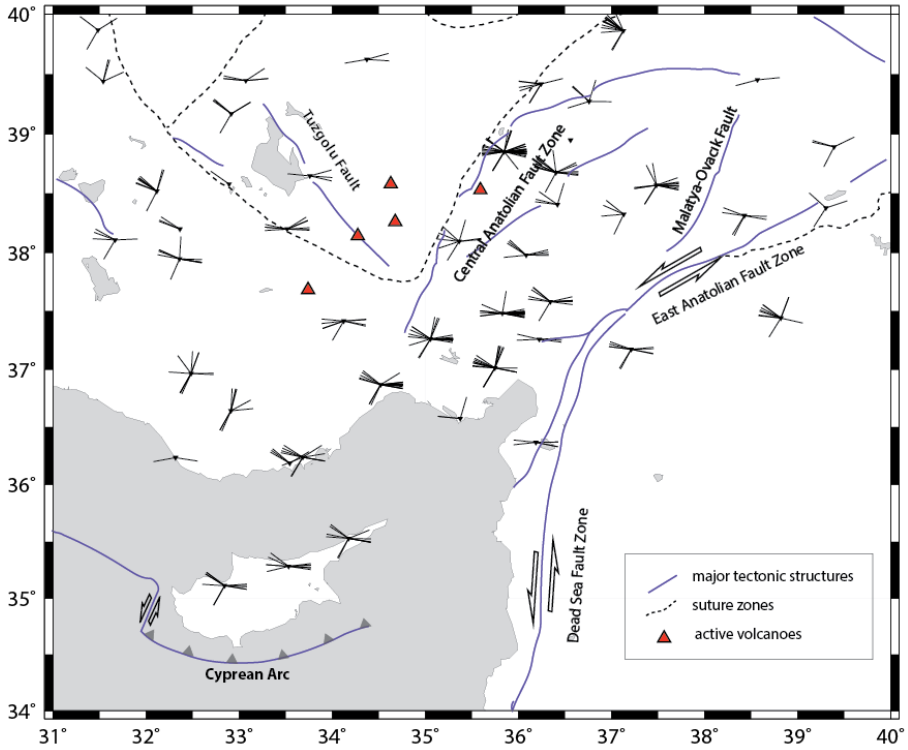


Figure 19. Map showing back-azimuths of null measurements.

4.2 Back Azimuthal Distribution of Splitting Results

Considering the olivine alignment, the source of mantle anisotropy is commonly assumed as a homogeneous fabric developed within a single horizontal layer *(Silver & Chan, 1991)*. This simplifying assumption may not be valid in tectonically complex areas where lithosphere is subjected to large amounts of recent tectonic deformation. Thus, such cases may lead to the presence of sharp lateral changes and complex anisotropy (steeply dipping and/or multi-layered). In the presence of a simple anisotropic source, splitting measurements will not vary with back azimuth. On the contrary, complex sources of anisotropy will led to back azimuthal variations on splitting measurements. Thus, back azimuthal variations carry additional information related to the complexity of anisotropic source and should be taken into account. In this study, the back azimuthal distributions of all the stations (Appendix B) are first analyzed visually to detect any evidence of sharp lateral changes and/or complex anisotropy.

Station KDHN contains large number of well-determined splitting measurements which are clustered around the mean with minimal back azimuthal variations which support a simple anisotropic source (Figure 20). In contrast, station DARE displays significant back azimuthal variations where results are clustered in two different groups (Figure 21). Events coming from west indicate NW-SE trending fast directions, whereas events from east indicate NE-SW directions. A sharp lateral change of anisotropy beneath the station may be an alternative explanation to complex anisotropy but in that case the anisotropy should be limited to very shallow depths since ray paths differ only at shallow depths. In order to produce time delays reaching more than 1 sec, the strength of the anisotropy within this shallow and rather thin layer should be also very high. Additionally, the fast directions throughout the region display similar trends, thus support multi-layers or dipping symmetry rather than a sharp lateral change.

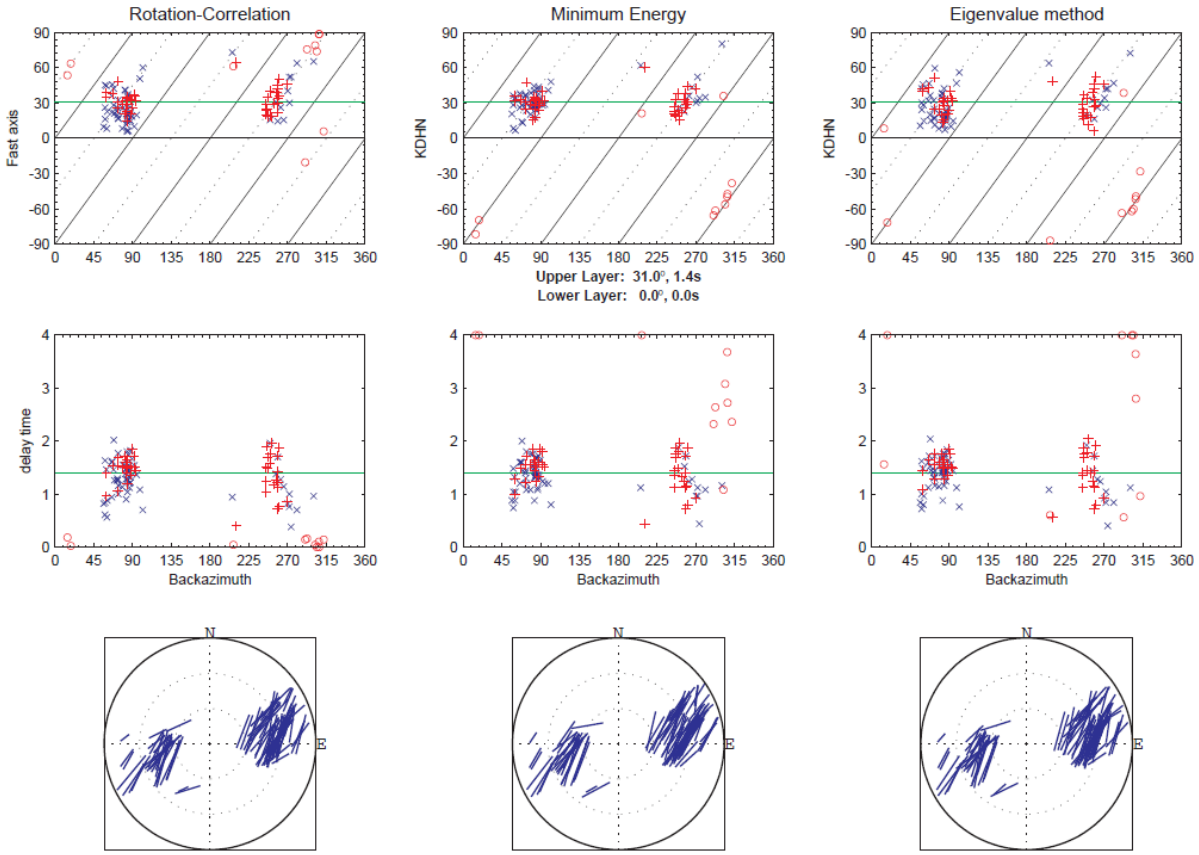


Figure 20. Back azimuth distribution of splitting parameters measured at station KDHN. Green line represents the mean values. Note that non-null splitting results display minimal variations with respect to back azimuth suggesting single layer anisotropy with near horizontal symmetry.

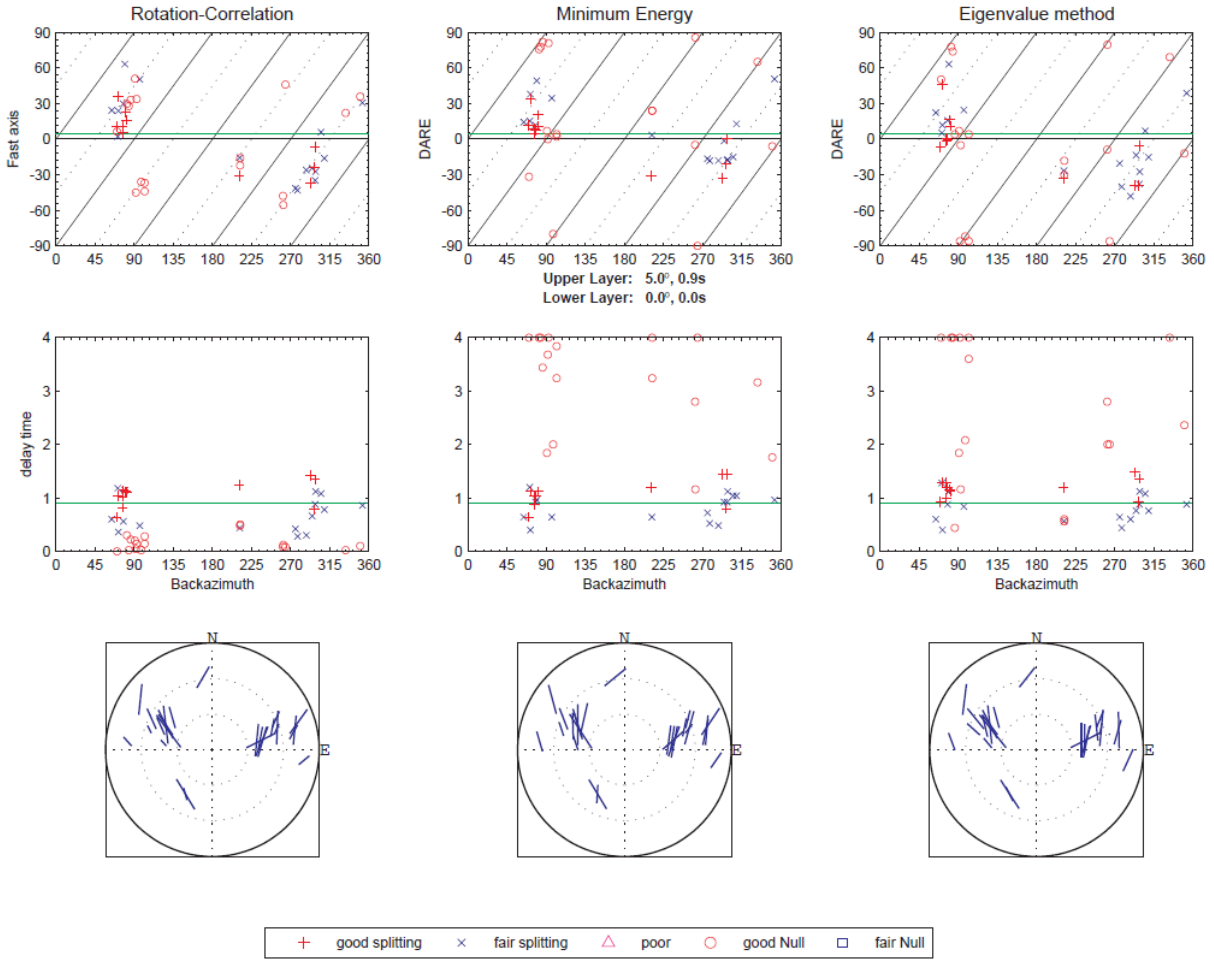


Figure 21. Back azimuth distribution of splitting parameters measured at station DARE. Green line represents the mean values. Note that non-null splitting results indicate NW-SE trending fast directions for events coming from west and NE-SW trending fast directions for events coming from east.

On the other hand, station CDAG not only presents variations with respect to back azimuth, but also displays large variations from same back azimuths unlike station DARE which rule out any lateral change (Figure 22). Thus, these cases require multi-layered anisotropy and/or dipping symmetry.

For visual inspection, the back azimuthal distribution of fast polarization direction and delay time are plotted in Mode 90° for every station to identify the ones that are displaying characteristic variations indicative of complex anisotropy (Figure 23). After visual inspection of back azimuthal distributions, 16 stations are categorized as complex (Table 2) but note that it is not possible to rule out complex anisotropy in all the remaining stations due to poor back azimuthal sampling not suitable for detection of sharp systematic variations.

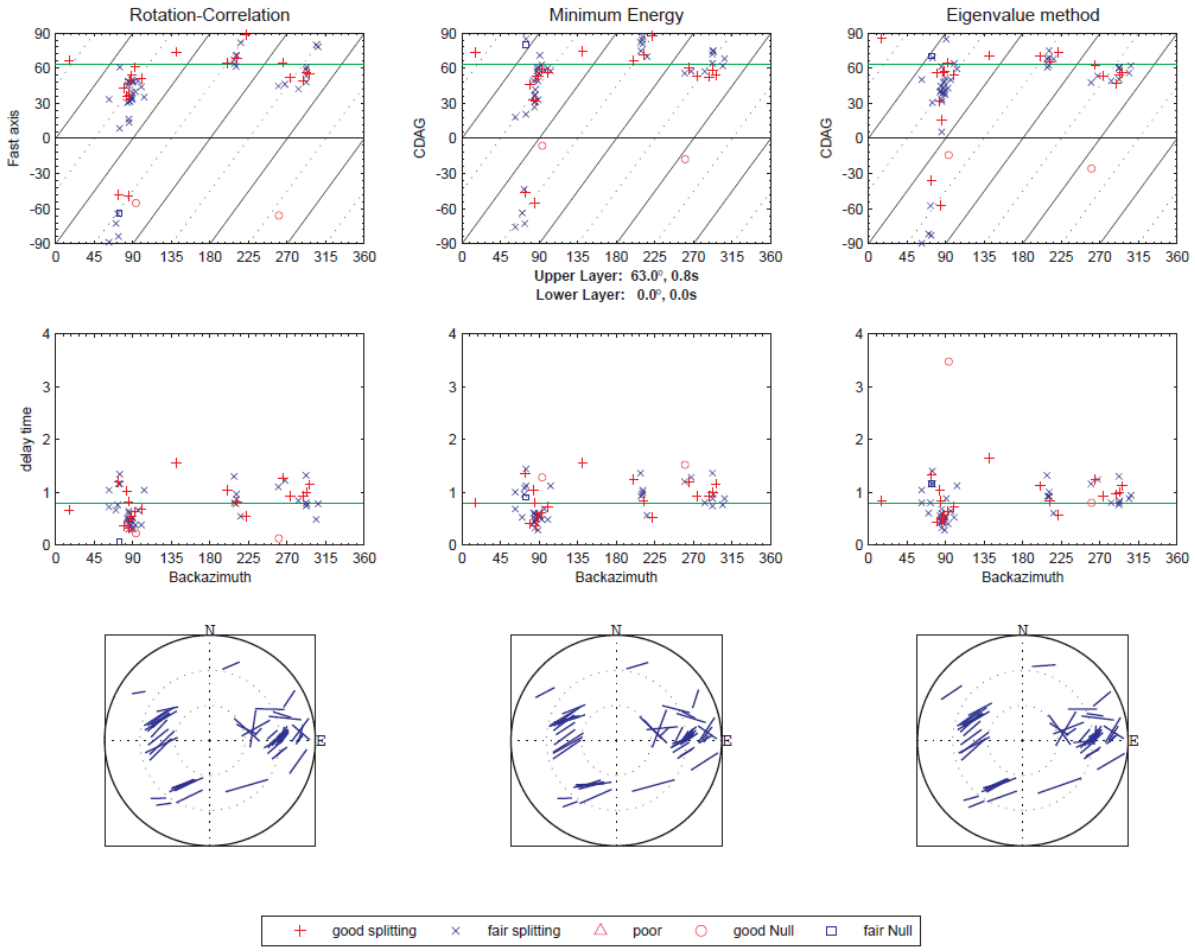


Figure 22. Back azimuth distribution of splitting parameters measured at station CDAG. Green line represents the mean values. Note that non-null splitting results display significant variations both at similar back azimuths and with respect to back azimuth suggesting complex anisotropy.

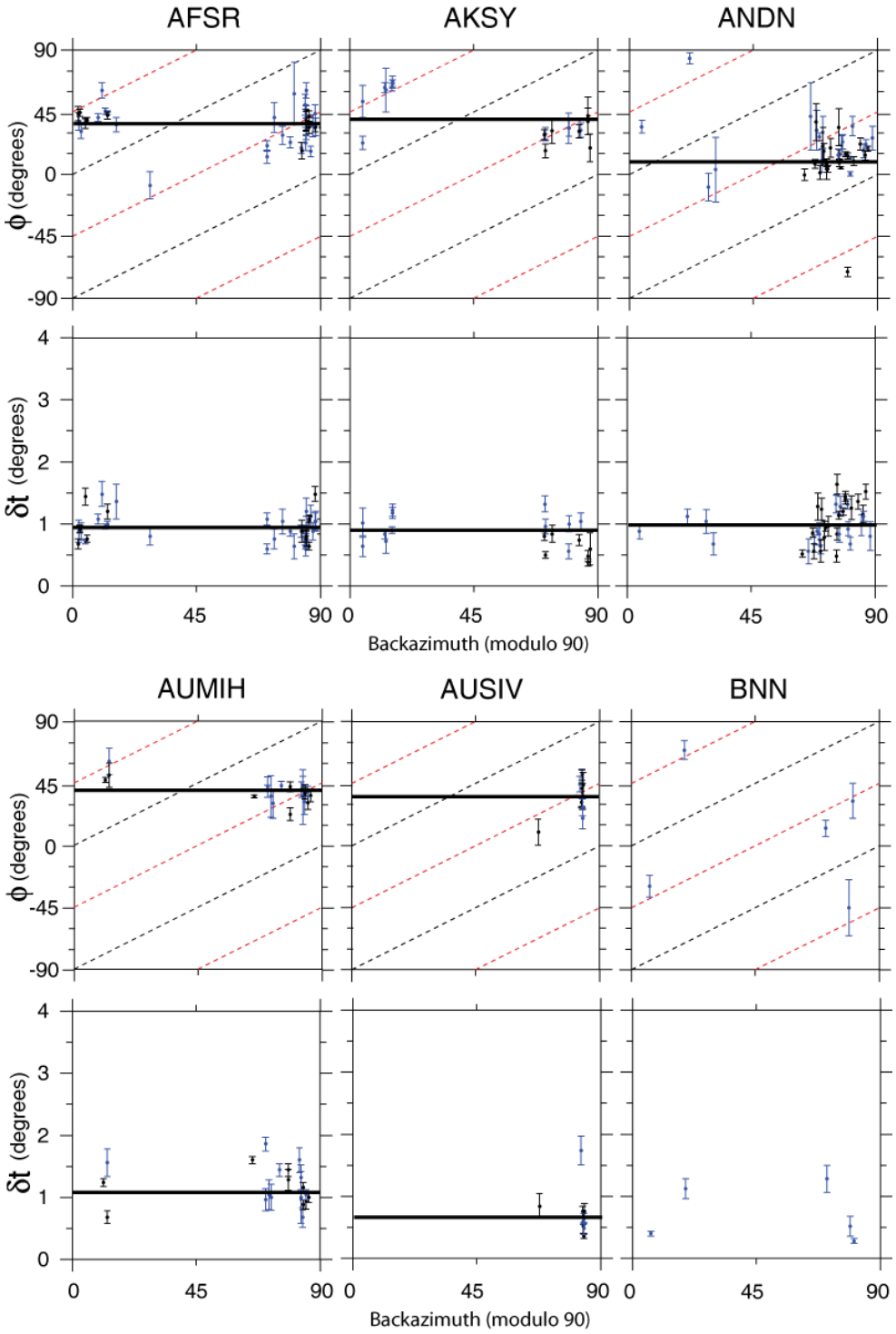


Figure 23. Back azimuth distribution of splitting parameters (∅: fast axis and δt: delay time) computed using Minimum Energy (SC) method at each station. Measurements are plotted in Mod 90 to clearly observe systematic back azimuthal variations indicative of complex anisotropy. Black and blue observations indicate the good and fair non-null measurements, respectively. Solid line represents the mean values. Dashed lines represent where the angle between ∅ and back azimuth is ±45º (red) and ±90º (grey).

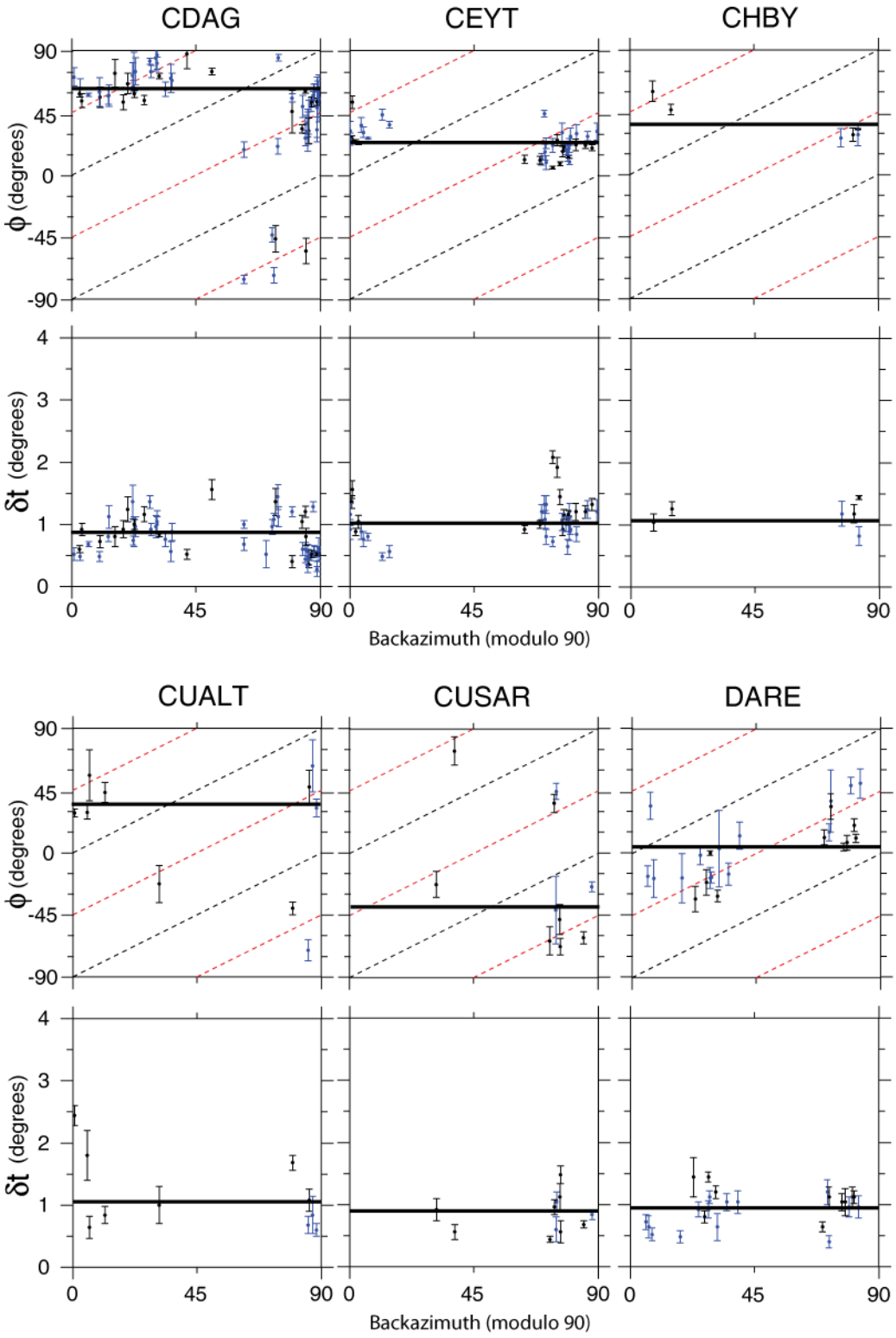


Figure 23. *(Continued)*

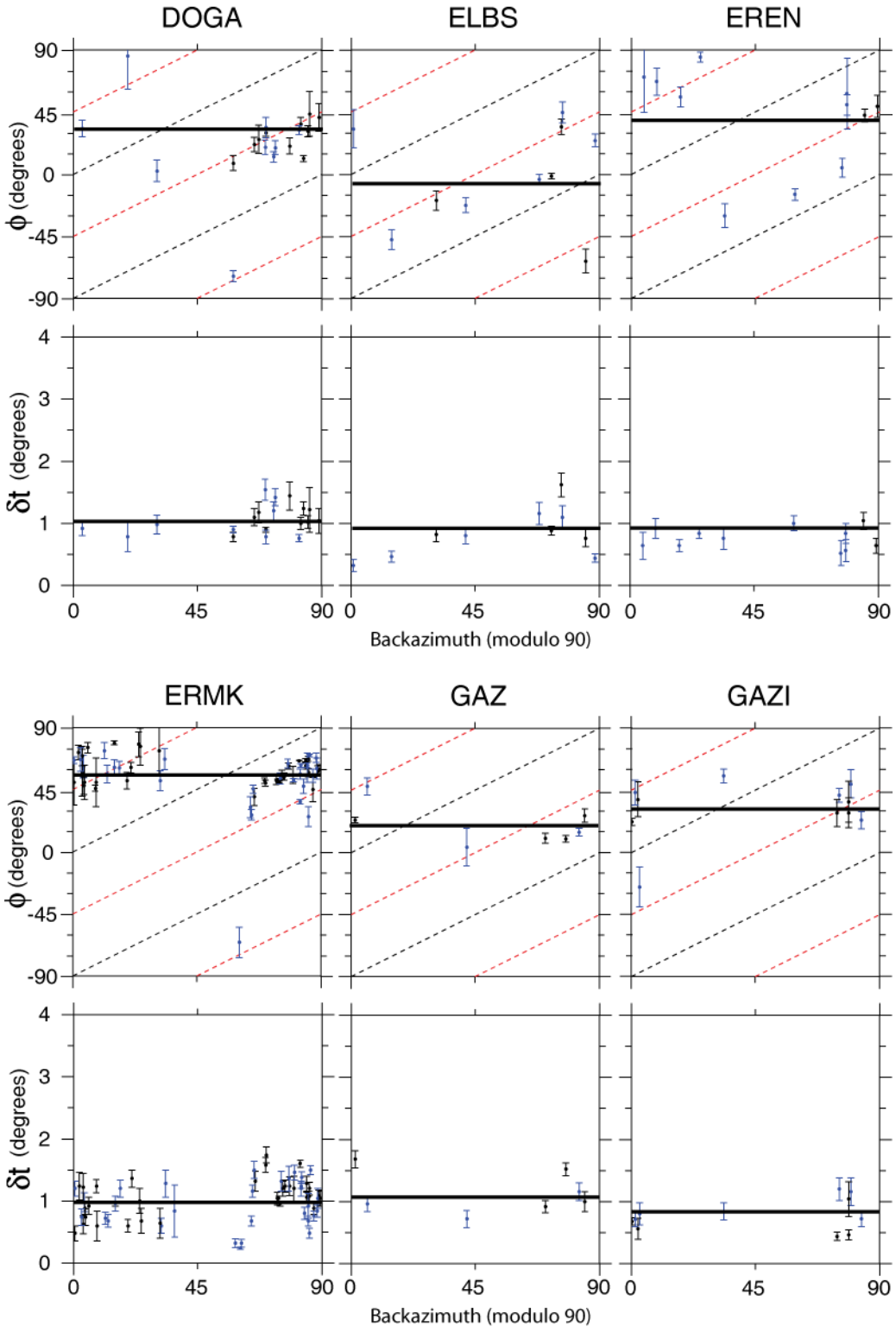


Figure 23. *(Continued)*

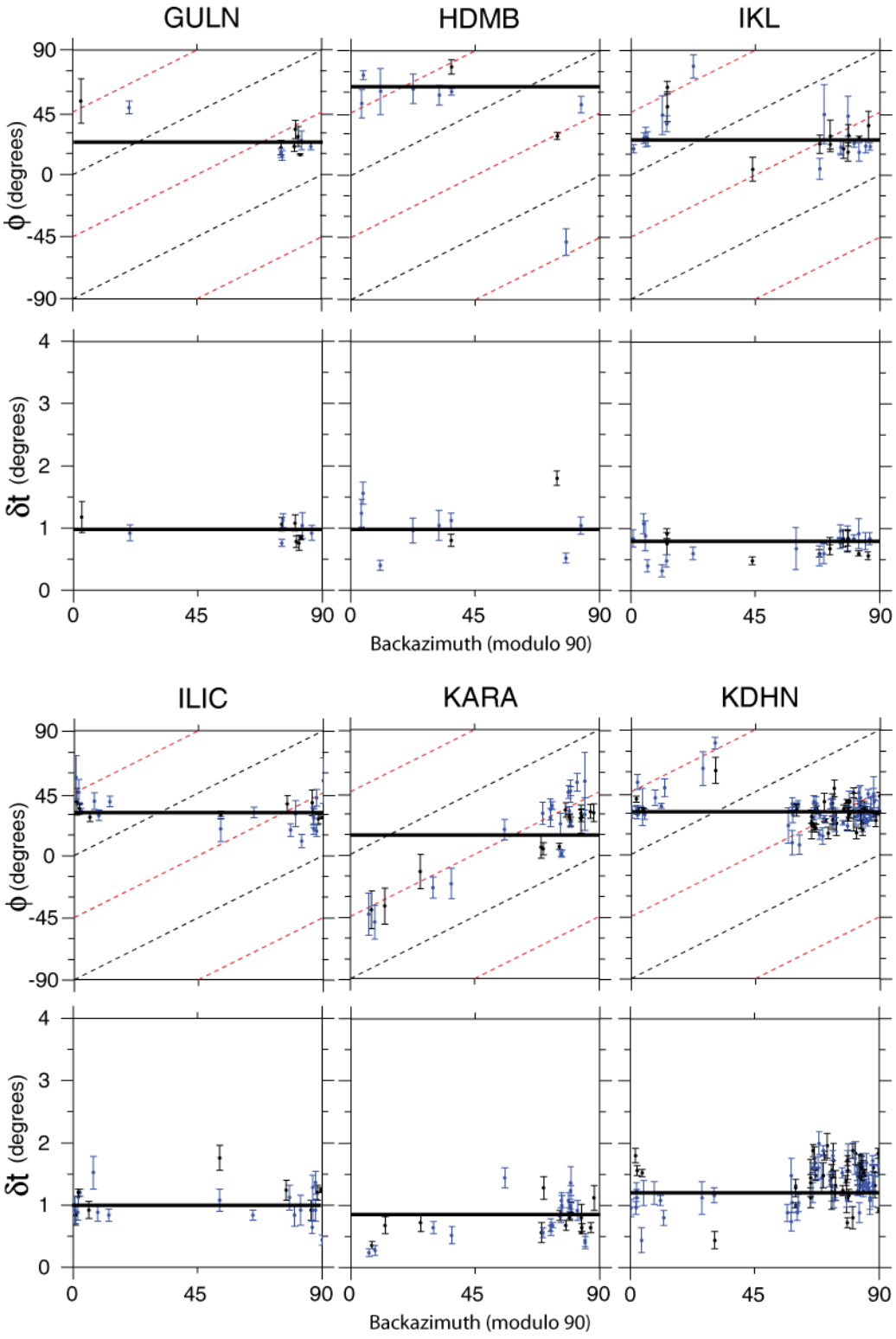


Figure 23. *(Continued)*

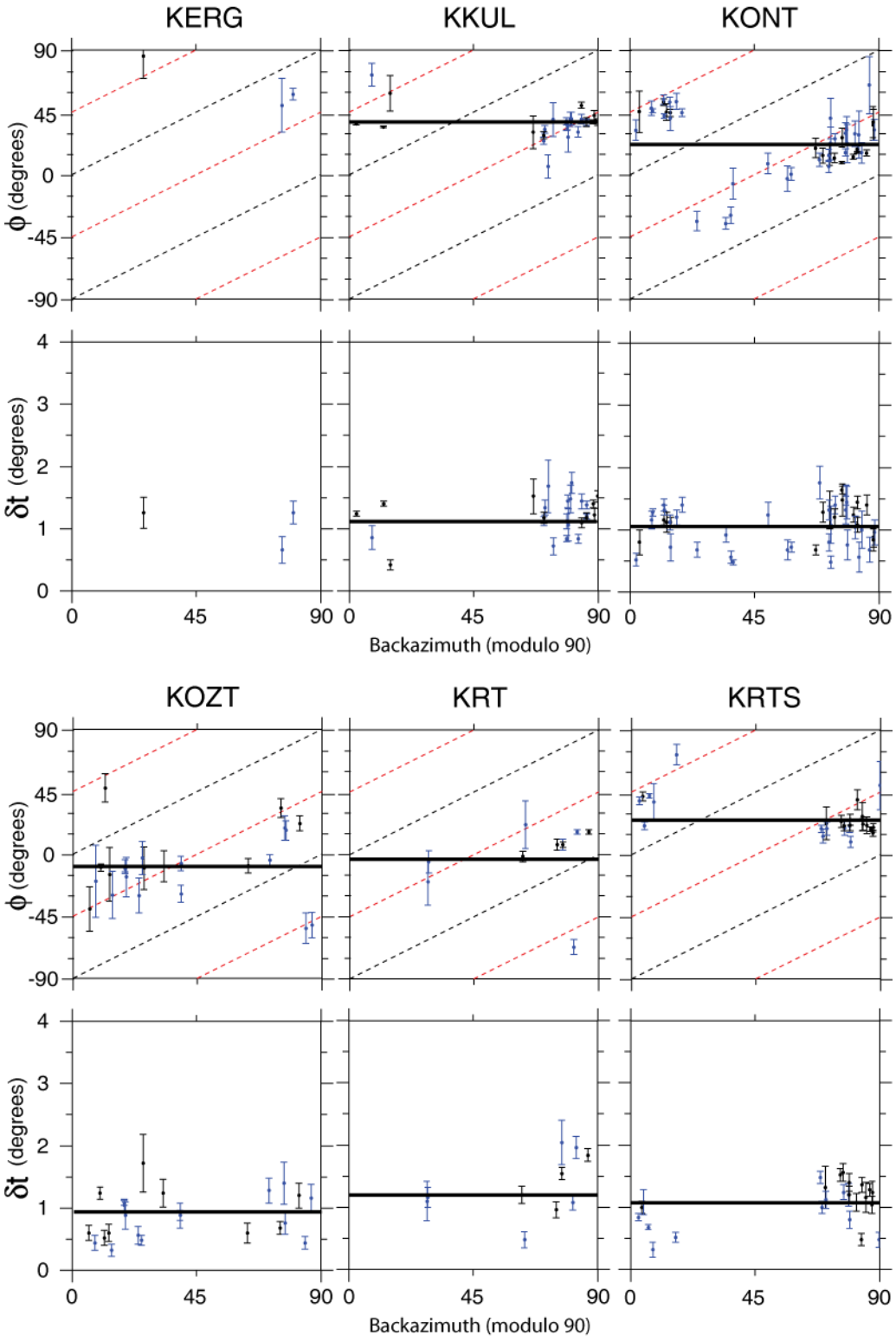


Figure 23. *(Continued)*

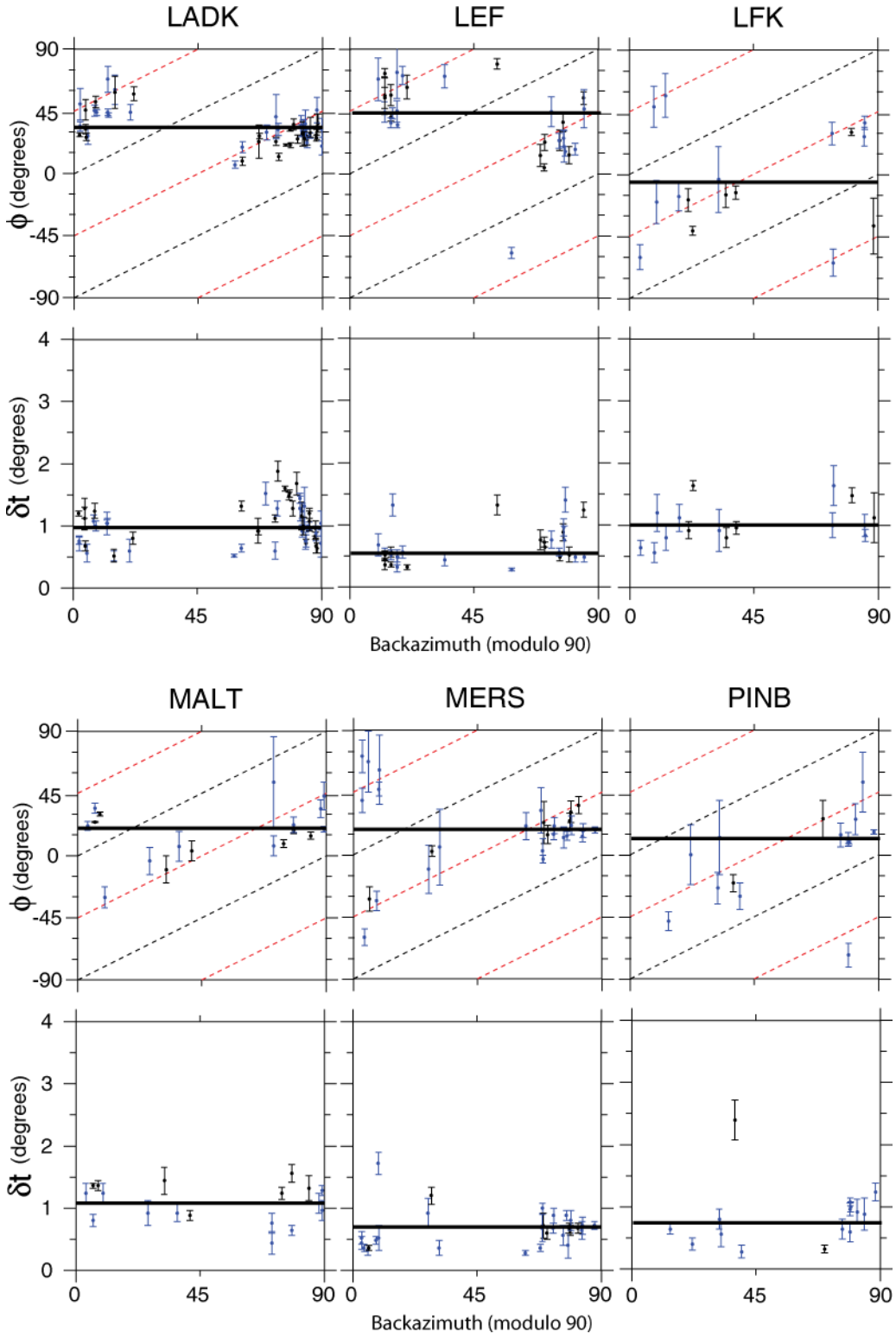


Figure 23. *(Continued)*

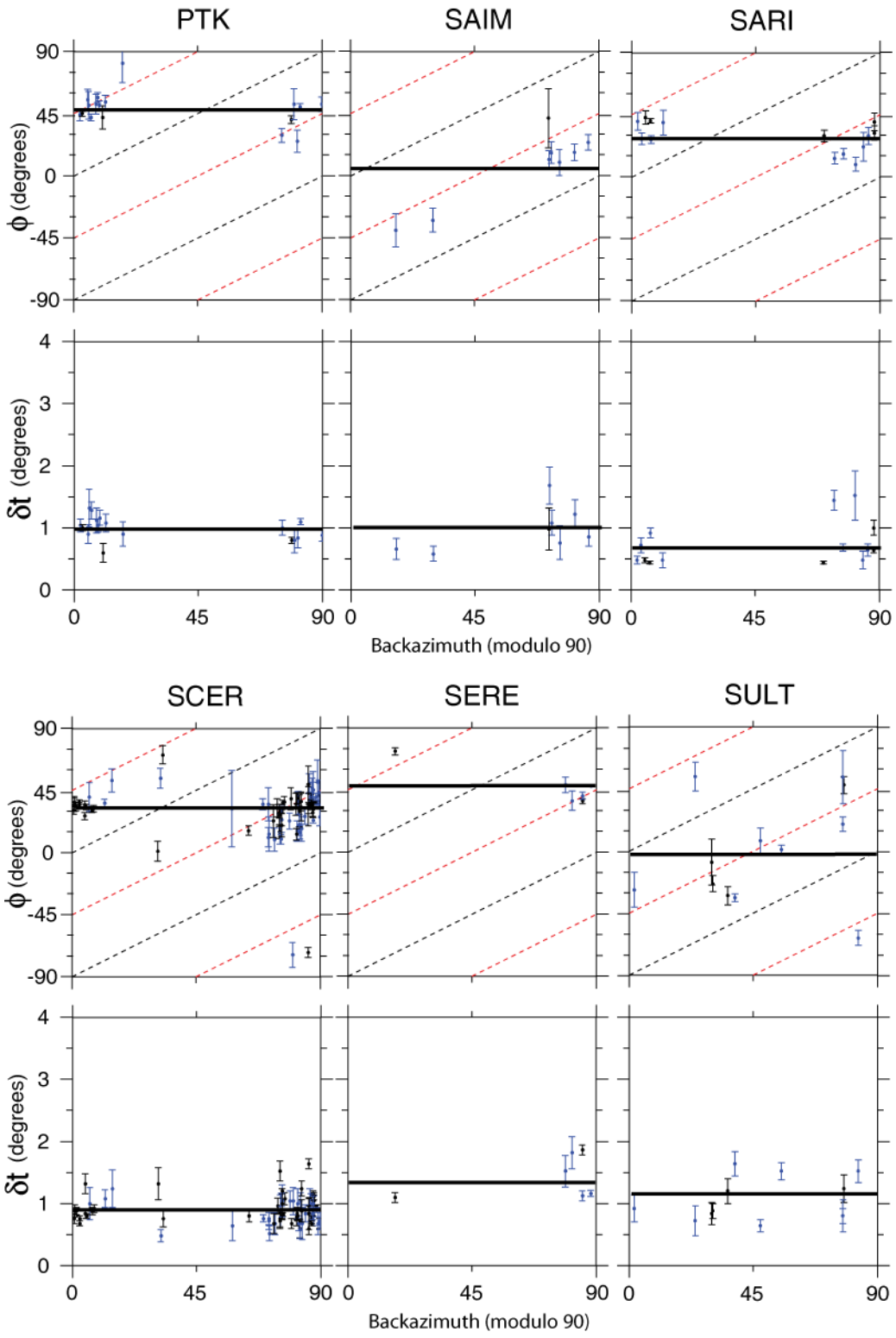


Figure 23. *(Continued)*

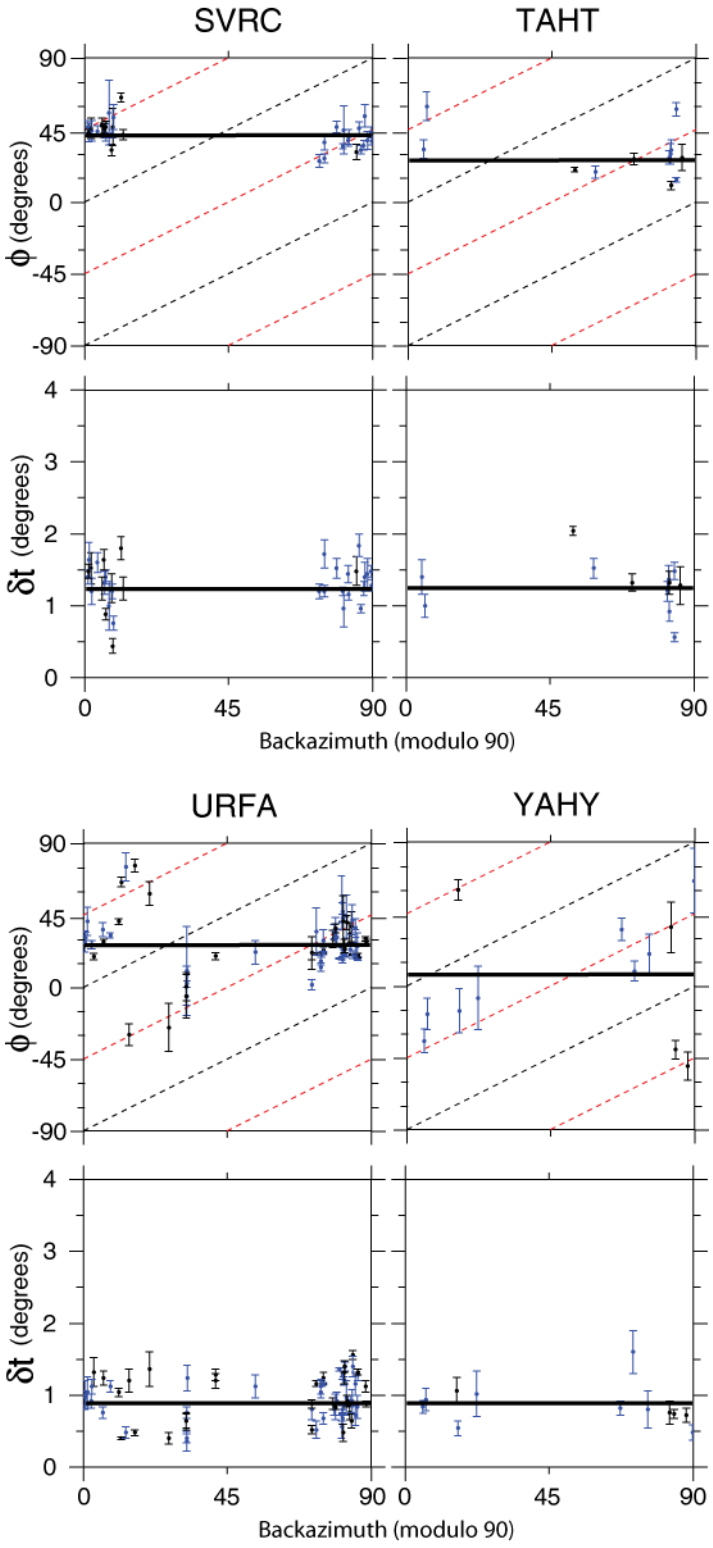


Figure 23. *(Continued)*

4.3. Mean Splitting Results

In order to analyze map distribution of the splitting results, average splitting parameters are calculated for each station. For every station, mean splitting parameters (fast direction and delay time) obtained by SC, RC and EV methods are listed separately with their standard deviations in Table 3. Two stations (BNN and KERG) which are located at the central part of the study area, resulted in mostly null measurements (>70%). At these stations, the non-null splitting measurements are very few and highly scattered and thus their means are excluded from further analysis (Table 3).

The standard deviations of splitting parameters allow us to assess more quantitatively the reliability of the mean results. To aid spatial analysis, the station-based mean splitting results of SC, RC, EV and all of them together are plotted separately on maps with their standard deviations (Figure 24, 25, 26 and 27). The results of all three methods display similar and rather robust trends. As expected, stations displaying strong back azimuthal variations which were previously identified as complex based on visual inspections are characterized by high standard deviations. At few stations, standard deviations are artificially high due to limited observations which include some outlier values. At these stations, sampling is not good enough to suggest the presence of systematic back azimuthal variations. Hence, these stations are not indicated as complex.

Table 3. Calculated weighted mean splitting parameters (Φ: fast axis, δt: delay time, σ: standard deviation) for SC, RC, EV methods (black fill mark stations displaying null measurements, grey fill marks stations where splitting measurements display significant variations with back-azimuth).

Method	**SC**		**RC**		**EV**		**SC**		**RC**		**EV**	
Stations	**Mean Φ**	**σ**	**Mean Φ**	**σ**	**Mean Φ**	**σ**	**Mean δt**	**σ**	**Mean δt**	**σ**	**Mean δt**	**σ**
AFSR	35,74	13,15	38,02	14,88	35,04	16,84	0,94	0,23	0,87	0,26	0,93	0,25
AKSY	39,99	16,69	28,47	13,16	22,21	16,55	0,83	0,26	0,79	0,24	0,90	0,21
ANDN	20,57	21,64	19,72	23,18	19,85	39,20	0,99	0,30	0,93	0,32	1,02	0,27
AUMIH	39,28	8,19	34,43	14,46	34,78	12,85	1,19	0,32	1,12	0,32	1,20	0,31
AUSIV	34,05	13,34	37,05	10,49	34,94	15,31	0,74	0,40	0,68	0,38	0,74	0,37
BNN	-	-	-	-	-	-	-	-	-	-	-	-
CDAG	62,59	24,77	52,16	26,17	58,42	23,64	0,80	0,32	0,74	0,32	0,80	0,32
CEYT	23,12	10,56	32,55	16,15	30,50	12,48	1,08	0,32	0,98	0,37	1,02	0,33
CHBY	37,25	13,44	33,91	18,00	33,91	14,78	1,15	0,21	1,13	0,13	1,18	0,19
CUALT	34,65	42,22	38,35	46,04	43,25	50,40	1,16	0,61	1,07	0,62	1,21	0,65
CUSAR	-37,26	44,67	-41,54	45,08	-41,45	49,27	0,84	0,31	0,79	0,39	0,87	0,33
DARE	5,15	23,12	0,37	29,21	-3,37	28,47	0,92	0,27	0,84	0,33	0,95	0,29
DOGA	32,25	25,24	32,88	26,68	35,09	28,47	1,06	0,24	0,98	0,23	1,04	0,23
ELBS	-2,11	36,37	0,89	35,04	-6,71	40,55	0,84	0,39	0,77	0,44	0,98	0,37
EREN	39,88	36,61	34,97	30,79	36,61	40,77	0,76	0,18	0,67	0,23	0,85	0,15
ERMK	59,86	15,71	59,13	17,28	62,73	17,18	1,01	0,34	0,96	0,38	1,08	0,43
GAZ	19,50	14,82	19,36	24,13	12,07	27,36	1,14	0,34	1,12	0,40	1,20	0,29
GAZI	31,16	21,42	23,44	29,00	21,16	27,79	0,78	0,26	0,72	0,24	0,78	0,23
GULN	26,36	13,40	31,26	17,20	28,72	19,57	0,95	0,15	0,88	0,20	0,95	0,23
HDMB	65,55	26,82	66,65	27,70	67,75	22,80	1,05	0,43	0,91	0,42	1,00	0,44
IKL	28,94	16,34	34,31	16,85	27,98	17,01	0,73	0,18	0,60	0,18	0,74	0,18
ILIC	31,85	10,83	35,08	15,02	28,77	14,12	1,04	0,28	0,97	0,28	1,06	0,25
KARA	14,64	28,25	11,67	26,11	8,64	29,83	0,78	0,30	0,74	0,32	0,84	0,30
KDHN	31,39	10,46	29,42	13,89	28,77	13,22	1,37	0,32	1,33	0,36	1,38	0,33
KERG	-	-	-	-	-	-	-	-	-	-	-	-
KKUL	37,47	11,84	31,51	16,60	32,43	19,14	1,22	0,31	1,19	0,30	1,23	0,27
KONT	23,92	22,45	28,37	21,44	24,81	24,95	1,07	0,33	0,98	0,35	1,08	0,29
KOZT	-9,57	24,97	-10,22	27,80	-12,26	29,15	0,87	0,37	0,83	0,40	0,96	0,38
KRT	-1,86	25,88	-1,06	28,40	-0,86	25,99	1,34	0,50	1,33	0,57	1,33	0,46
KRTS	27,17	13,96	31,09	12,58	26,13	12,07	1,06	0,35	1,00	0,37	1,11	0,32
LADK	33,28	12,70	37,76	16,18	34,36	16,18	1,02	0,33	0,97	0,37	1,03	0,32
LEF	45,08	25,37	44,66	23,09	37,08	25,38	0,65	0,31	0,61	0,34	0,68	0,32
LFK	-3,81	37,95	4,57	40,90	4,19	43,68	1,04	0,32	0,94	0,36	1,05	0,32
MALT	16,44	19,87	14,88	24,06	18,44	21,44	1,08	0,30	0,97	0,37	1,08	0,31
MERS	17,18	28,42	18,18	27,06	9,68	30,62	0,67	0,30	0,58	0,31	0,71	0,30
PINB	10,60	36,83	16,00	39,43	9,67	40,83	0,85	0,51	0,68	0,51	1,05	0,79
PTK	48,48	12,15	55,13	17,45	56,13	18,02	0,99	0,18	0,92	0,21	0,97	0,18
SAIM	6,25	27,87	21,50	28,04	12,25	36,98	0,98	0,36	0,79	0,29	0,99	0,28
SARI	29,36	10,88	34,57	14,60	28,64	10,00	0,74	0,36	0,68	0,42	0,75	0,32
SCER	33,97	16,72	34,43	18,20	30,91	20,05	0,89	0,21	0,84	0,23	0,93	0,23
SERE	47,52	13,53	56,18	13,62	57,52	13,87	1,43	0,35	1,45	0,35	1,45	0,34
SULT	-0,48	38,22	-1,23	44,24	2,69	47,91	1,06	0,35	0,97	0,38	1,12	0,35
SVRC	42,45	8,07	32,57	12,13	31,45	11,68	1,31	0,30	1,26	0,30	1,32	0,24
TAHT	29,76	15,31	26,42	11,65	29,76	18,64	1,28	0,36	1,17	0,36	1,31	0,40
URFA	26,38	18,48	30,41	19,35	31,51	19,33	0,95	0,30	0,87	0,31	0,94	0,30
YAHY	5,08	38,85	-3,51	41,91	-4,59	42,56	0,86	0,29	0,77	0,27	0,85	0,33
Average	**25,89**		**26,24**		**24,54**		**0,99**		**0,92**		**1,02**	

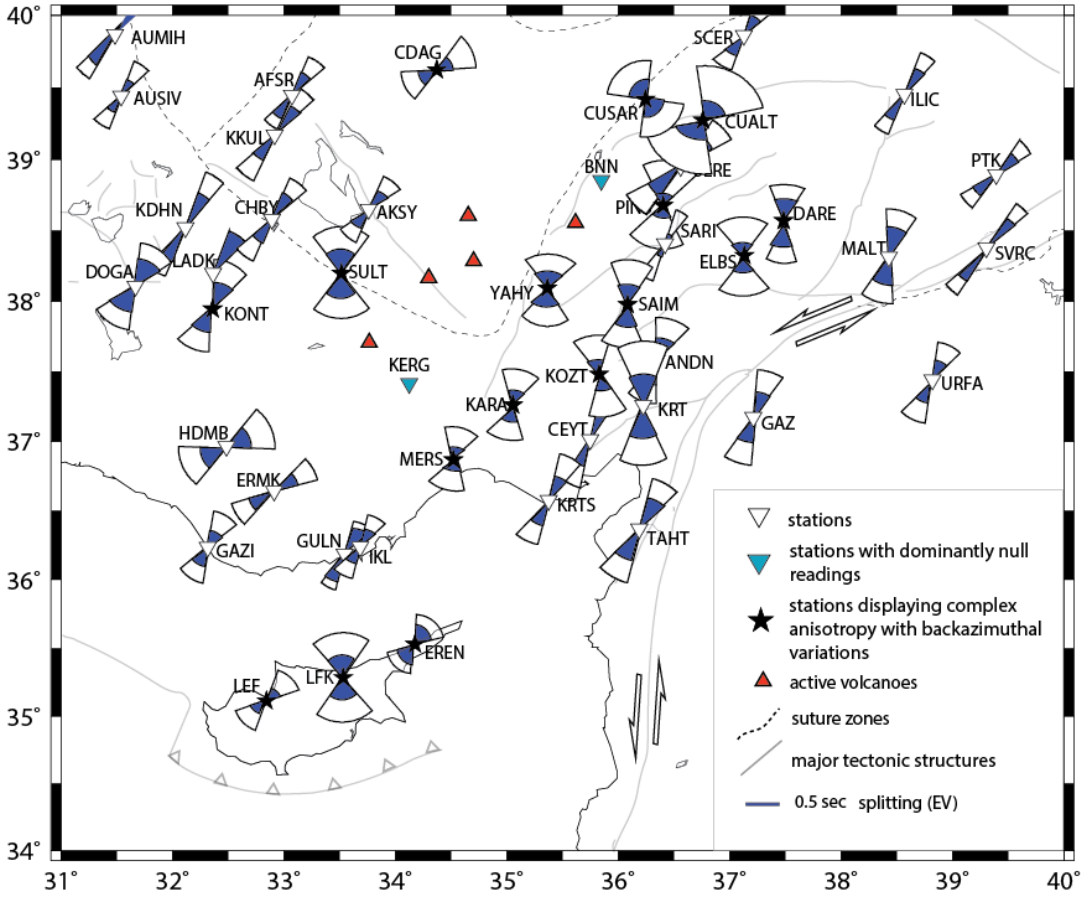


Figure 24. Map presenting station averaged shear wave splitting computed with SC method. Standard deviations of fast axis orientation are shown as blue-filled wedges and delay time as white-filled sectors.

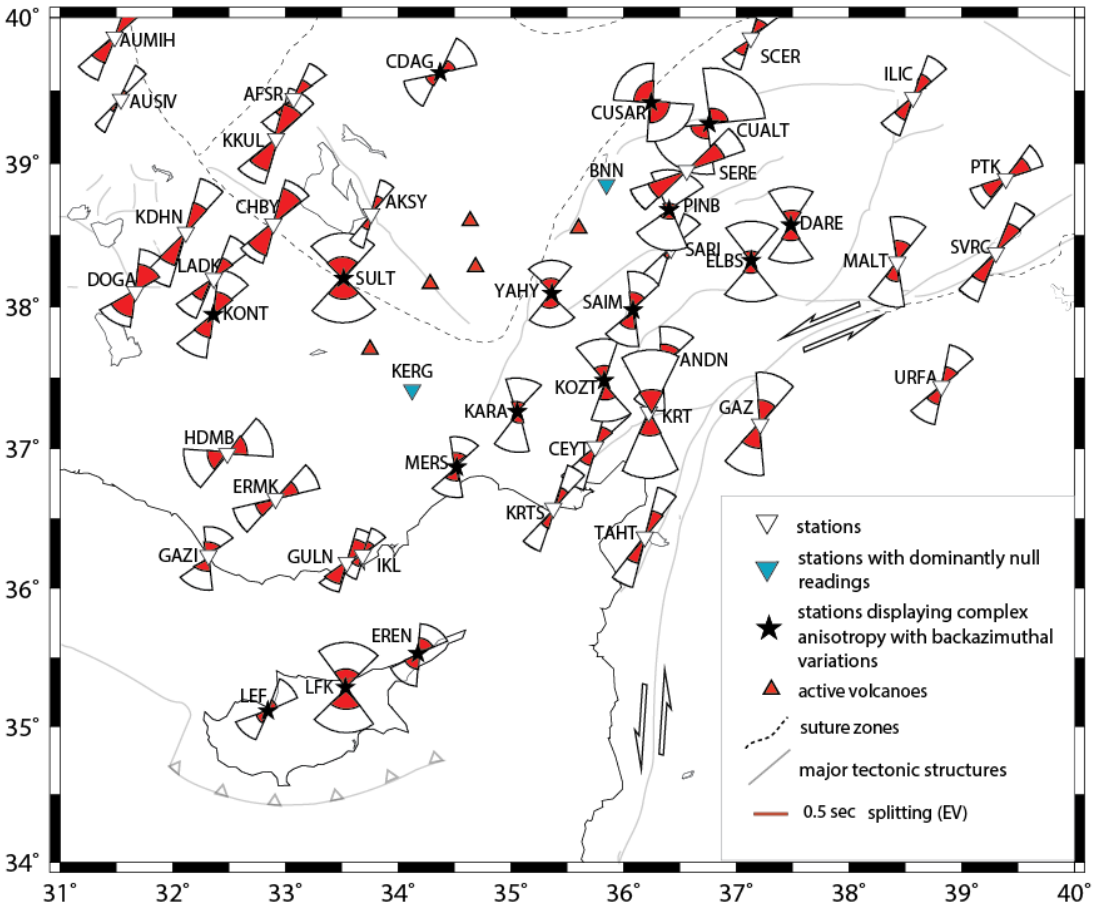


Figure 25. Map presenting station averaged shear wave splitting computed with RC method. Standard deviations of fast axis orientation are shown as red-filled wedges and delay time as white-filled sectors.

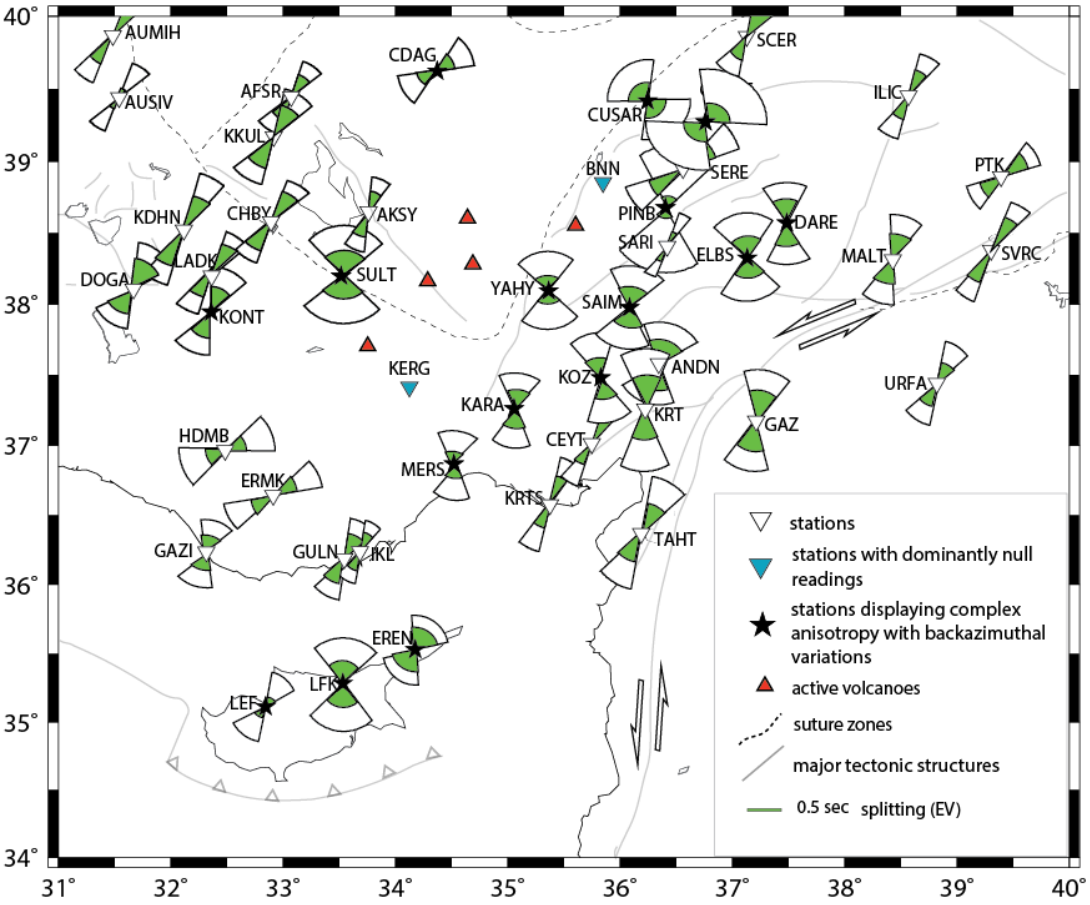


Figure 26. Map presenting station averaged shear wave splitting computed with EV method. Standard deviations of fast axis orientation are shown as green-filled wedges and delay time as white-filled sectors.

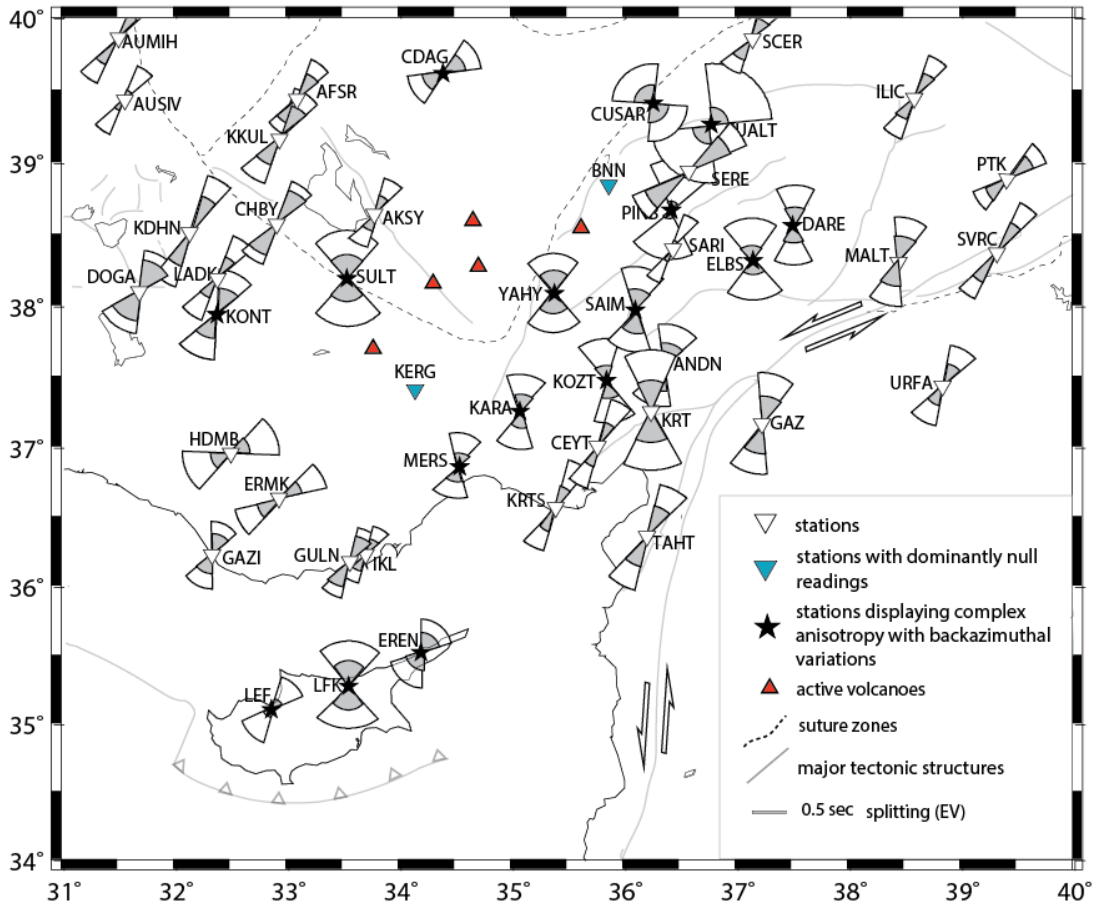


Figure 27. Map presenting station averaged shear wave splitting computed with all three methods (SC, RC and EV). Standard deviations of fast axis orientation are shown as grey-filled wedges and delay time as white-filled sectors.

For more direct comparison, the mean splitting results of all three methods are also plotted together (Figure 28). Splitting parameters are similar except some stations where splitting data is very limited. The stations display dominantly NE-SW trending fast splitting directions and delay times on the order of 1 sec. Overall it correlates well with the nearby shear wave splitting measurements obtained by previous studies. Minimal back azimuthal variations, thus low standard deviations are observed at stations located at the northwestern and eastern parts of the study area. These observations suggest simple one-layered anisotropy with near horizontal symmetry. Moreover, no significant change or complexity is observed along East Anatolian Fault Zone.

In contrast, the stations located close to Cyprus trench, Neogene volcanism and along Central Anatolian Fault Zone (CAFZ) are characterized with strong back azimuthal variations and high standard deviation values. Previously mentioned null stations are also located within this zone. At several complex stations, splitting is characterized unlike the others by N-S and NW-SE trending fast directions. These deviations are possibly related to the presence of two dominant orthogonal trends (NW-SE, NE-SW) which are clearly visible at individual splitting plots (Figure 16, 17 and 18). In this region, complex tectonic setting may have resulted in multi-layered anisotropy and/or dipping symmetry which requires further analysis.

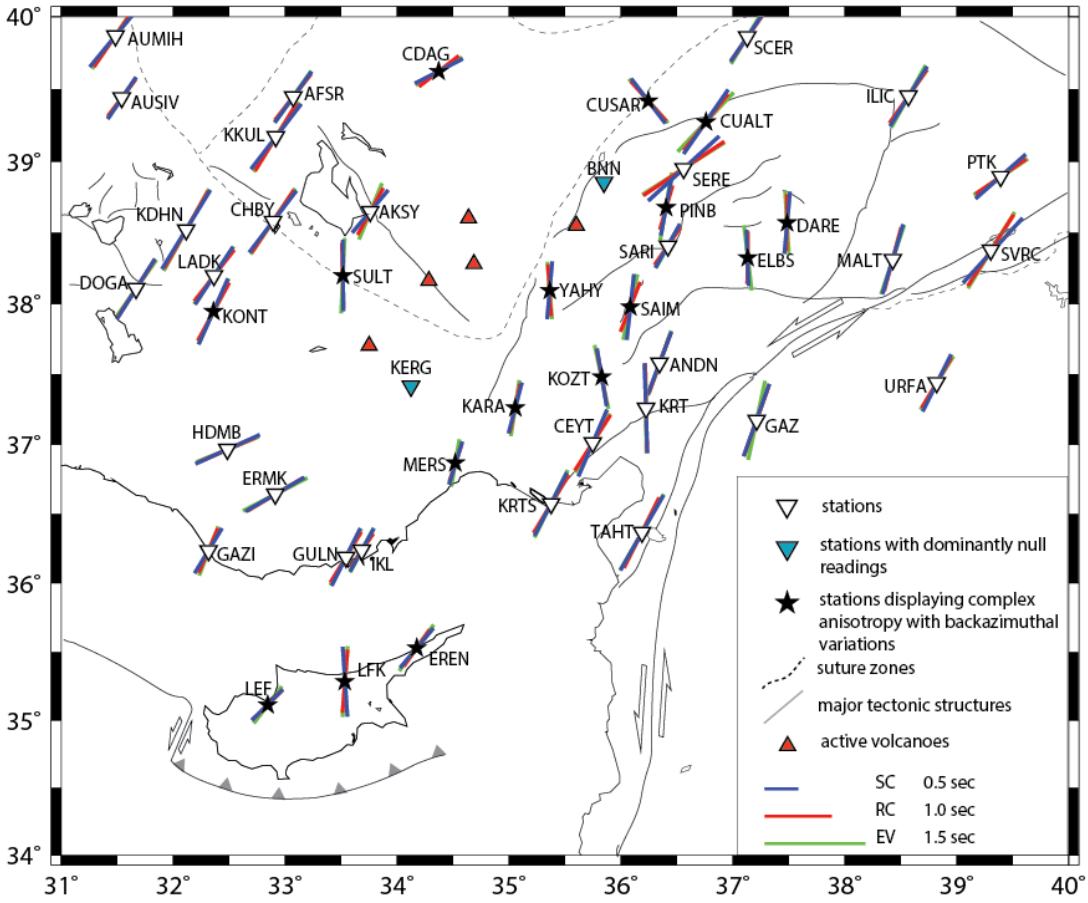


Figure 28. Map presenting the station averaged shear wave splitting results of all three methods (SC, RC and EV) together.

4.4. Modeling Two Layered Anisotropy

4.4.1 Introduction

The general assumption for the calculation and interpretation of the splitting parameters is a single layer with a horizontal symmetry axis; hence no/little variations of the splitting parameters are expected as a function of the event back azimuths. On the other hand, back azimuthal variations of splitting parameters indicate an anisotropic complexity in the mantle, which may be caused by laterally varying anisotropy, dipping axis of symmetry rather than horizontal symmetry axis, different forms of symmetry other than hexagonal, the effect of incidence angle and multiple layers of anisotropic media with different symmetry axes *(Özalaybey and Savage, 1994).* In case of two layers, the measurements are still valid, but the apparent splitting parameters vary with $\pi/2$ periodicity of the back azimuth of the incoming wave. *Silver and Savage (1994)* indicated when two layers are present, the apparent splitting parameters on incoming polarization can be written as explicit functions of the splitting parameters of the individual layers.

Analysis of back azimuth distributions and standard deviations of our splitting measurements revealed presence of significant splitting variations in the region. The stations located towards northwest and east of the study area are characterized by limited variations and can be modeled by simple one-layered anisotropy with near horizontal symmetry. However, the remaining stations display highly variable splitting that may be explained by presence of multi-layered anisotropy. Thus, we have modeled anisotropy for two-layered structures using a forward approach.

4.4.2 Data

In this study, two layered anisotropy models are tested along the central section of the network where splitting complexities are most pronounced. At first, individual stations are tested but lack of sufficient data at most stations prevented us to get reliable solutions. Only several individual stations produced robust solutions and two of them (KONT and CDAG) are included and further discussed in this chapter. Assuming the sources of anisotropy is not very shallow and rather uniform; nearby stations sampling similar geographic domains are also combined together to increase the limited back azimuthal coverage for two layered anisotropic models. This led to the analysis of 6 different groups located at or near the complex zone. Locations of the analyzed groups and individual stations are outlined in Figure 29. Note that most stations within the groups are the ones which are previously classified as complex.

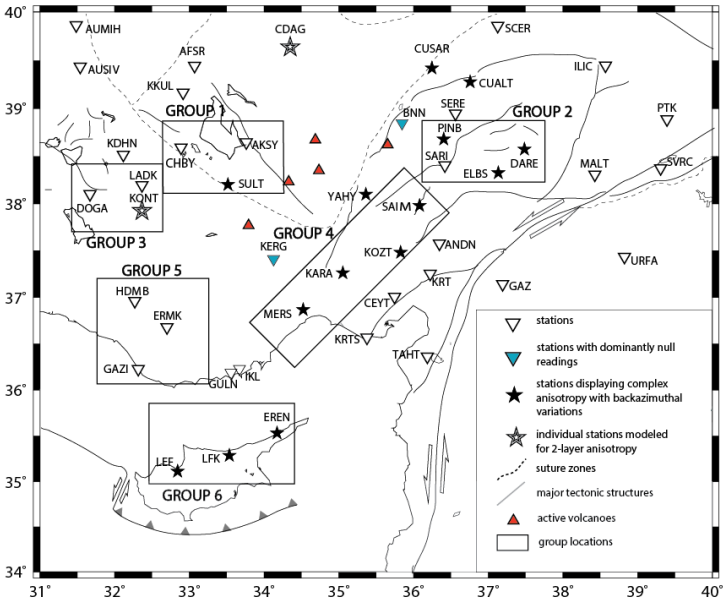


Figure 29. Location map outlining stations and groups that are modeled for two layer anisotropy.

4.4.3 Methodology

The splitting parameters of two layers are calculated following *Silver and Savage (1994)* and a grid search is performed over the four parameters (Φ and δt for both the upper and lower layers) to determine the optimum model that can explain the observed back azimuthal variations of the splitting parameters. The back azimuthal variations caused by two-layered anisotropy produce very sharp deviations. Since all back azimuths are not sampled uniformly, misfit calculation becomes critical.

4.4.3.1 Misfit Calculation

We tested three different methods to calculate misfit (unweighted, weighted and band-fit).

For *unweighted method*, the misfit of fast polarization and delay time is normalized using their means and summed together with the following formula:

$$misfit = \sum_{i=1}^{n} \frac{(\emptyset_{obs,i} - \emptyset_{calc,i})^2}{(mean_{\emptyset})^2} + \frac{(\delta t_{obs,i} - \delta t_{calc,i})^2}{(mean_{\delta t})^2}$$

$\emptyset_{obs,i}$, $\emptyset_{calc,i}$, $\delta t_{obs,i}$ and $\delta t_{calc,i}$ are the observed and theoretical splitting values of i'th observation, $mean_{\emptyset}$ and $mean_{\delta t}$ are the mean splitting values of the entire population and n is the number of measurements.

In order to minimize the effect of observations with large error ranges and increase the weight of the observations characterized by minimal error, we utilized a *weighted method*, similar to *Fontaine et al. (2007).* In this approach, misfit is normalized using the error ranges of the observations with the following formula:

$$misfit = \sum_{i=1}^{n} \frac{(\emptyset_{obs,i} - \emptyset_{calc,i})^2}{(E_{\emptyset,i})^2} + \frac{(\delta t_{obs,i} - \delta t_{calc,i})^2}{(E_{\delta t,i})^2}$$

$$E_{\emptyset,i} = (\emptyset_{max,i} - \emptyset_{min,i})/2$$

$$E_{\delta t,i} = (\delta t_{max,i} - \delta t_{min,i})/2$$

$E_{\emptyset,i}$ and $E_{\delta t,i}$ represent the mean error of splitting values of i'th observation.

In some cases, splitting measurements with very small error ranges become overly weighted and controls the resultant model. To reduce this effect, we also utilized a *band-fit method*, where only misfit that exceeds the mean error of the observation is calculated using the following formula:

$$misfit = \sum_{i=1}^{n} \frac{(\emptyset_{dif,i})^2}{(mean_{\emptyset})^2} + \frac{(\delta t_{dif,i})^2}{(mean_{\delta t})^2}$$

$$\emptyset_{dif,i} = \begin{cases} 0 & if\ (\emptyset_{obs,i} - \emptyset_{calc,i}) \leq E_{\emptyset,i} \\ (\emptyset_{obs,i} - \emptyset_{calc,i}) - E_{\emptyset,i} & if\ (\emptyset_{obs,i} - \emptyset_{calc,i}) > E_{\emptyset,i} \end{cases}$$

$$\delta t_{dif,i} = \begin{cases} 0 & if\ (\delta t_{obs,i} - \delta t_{calc,i}) \leq E_{\delta t,i} \\ (\delta t_{obs,i} - \delta t_{calc,i}) - E_{\delta t,i} & if\ (\delta t_{obs,i} - \delta t_{calc,i}) > E_{\delta t,i} \end{cases}$$

$\emptyset_{dif,i}$ and $\delta t_{dif,i}$ represent the misfit that exceeds the mean error of splitting values of i'th observation.

Non-uniform sampling with respect to back azimuth poses a critical challenge for such modeling routines. Back azimuths where sharp systematic variations are expected are commonly under sampled. Moreover, the event back azimuth may have some minor uncertainty due to earthquake location errors. To assess the effect of these factors to our models, we also tested model runs that included a few degrees of back azimuth tolerance and back azimuth weighting where bins with more observations are lower weighted. However, the model runs with these additional constraints artificially reduced the misfit and led to very similar solutions. Therefore, they are not used during two-layered anisotropy modeling.

In order to assess how much the fit is improved using two layered anisotropy relative to single-layer model, we have calculated the standard misfit reduction (R^2) defined by *Walker et al. (2004)* for all of our models using the following formula:

$$R^2 = 1 - SSd/SSo$$

where SSd and SSo are the sum of squares of two-layered and single layer models.

Unlike *Fontaine et al. (2007)* who calculated the one layer misfit using the mean splitting parameter, we performed a grid search through all possible single layer models and accurately identified the minimum single layer misfit (SSo).

In theory, standard misfit reduction (R^2) is 0 when there is no improvement by the two-layered model, positive if misfit of the two-layered model is less than single layer model and vice versa. It becomes 1 if the model fits the observations perfectly.

The standard misfit reduction (R^2) can be biased to the number of independent variables thus we also utilized the adjusted misfit reduction ($R^2_{adjusted}$) defined by *Fontaine et al. (2007)* for all of our models using the following formula:

$$R^2_{adjusted} = 1 - \frac{(N_d - 1)(1 - R^2)}{N_d - k - 1}$$

where N_d is the total number of observed splitting parameters (2 x n) and k is the number of model parameters ($\emptyset_{lower}$, $\emptyset_{upper}$, δt_{lower} and δt_{upper}). Statistically stable models are assumed to have $R^2_{adjusted} > 0.25$.

4.4.3.2 Synthetic Test

A synthetic test is carried out to evaluate the performance of the two-layered modeling scheme utilized in this study. For that purpose, the apparent splitting parameters are calculated with pre-defined values for fast polarization direction and delay time. Then, we randomly picked 32 points and used them as synthetic observations to recover the given model parameters. Considering the presence of noise, we also added a Gaussian white noise and repeated the same synthetic test. For comparison, synthetic tests are applied to all three misfit calculation methods using both noise-free and noisy data. As shown in Figure 30, all three methods successfully recovered the given model parameters. Note that, only a negligible deviation from the given model occurs at the noisy data where misfit is calculated using the unweighted method.

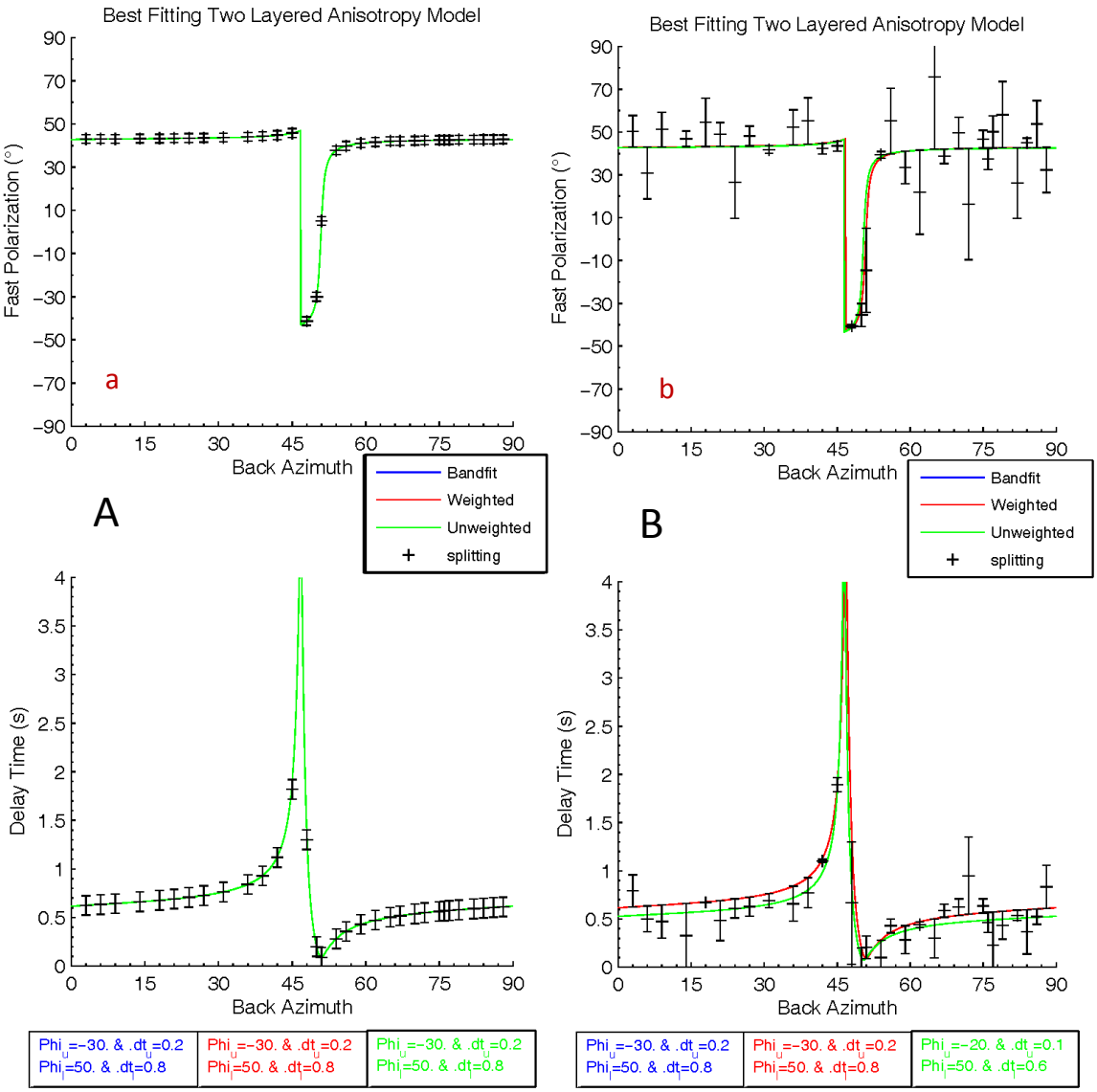


Figure 30. Figure presenting the results of synthetic tests conducted for the two layered anisotropy, **a)** results obtained from randomly sampled, noise free synthetic data where all misfit calculation methods (unweighted, weighted and band-fit) recovered exactly the given two layered anisotropy model, **b)** results obtained from randomly sampled, synthetic data with Gaussian noise where a minor deviation from the given model is detected only for the unweighted approach.

4.4.3.3 Grid Search

In order to find best-fitting two-layered anisotropy models, grid searches are performed over the four model parameters ($\emptyset_{upper}, \emptyset_{lower}, \delta t_{upper}, \delta t_{lower}$) using different misfit calculations methods at the selected stations and groups. During grid search, the apparent splitting back azimuthal variations are computed for a dominant signal frequency of 0.1 Hz suitable for SKS and SKKS phases. Initially, a total of 1863225 models are generated by varying fast directions from -90 to 90 in steps of 2 degrees and delay times are from 0.1 to 1.5 s in steps of 0.1 s at each station or group.

In order to determine unique models, independent constraints are required *(e.g., Hartog and Schwartz, 2000).* Previous shear wave splitting studies revealed relatively uniform NE-SW trending fast polarization directions with delay time on the order of 1 sec across different tectonic domains of Turkey and attributed to a rather deep asthenospheric source. In this respect, observed deviations mostly likely confined to the lithosphere which can only produce limited amount of delay. Thus, the grid search kept more limited at the next step where delay times of the upper layer ranges only between 0.1 and 0.5 sec while upper layer delay times vary between 0.5 and 1.5 sec. Hence, tested models are decreased to 455455.

The plots of sensitivity tests conducted for station KONT and GROUP 1 are shown in Figures 31 and 32. The distributions of the large R^2 values indicate models where the fit is significantly improved. The delay times of lowest misfits are more variable and less reliable. In contrast, fast directions define multiple clusters that are not very sensitive to the utilized misfit calculation methods. In both KONT and GROUP 1, there are two stable fast direction clusters and only one of them indicates clear presence of two layered anisotropy. Thus, models giving the highest R^2 values in those clusters are selected as the best-fitting two-layered anisotropy.

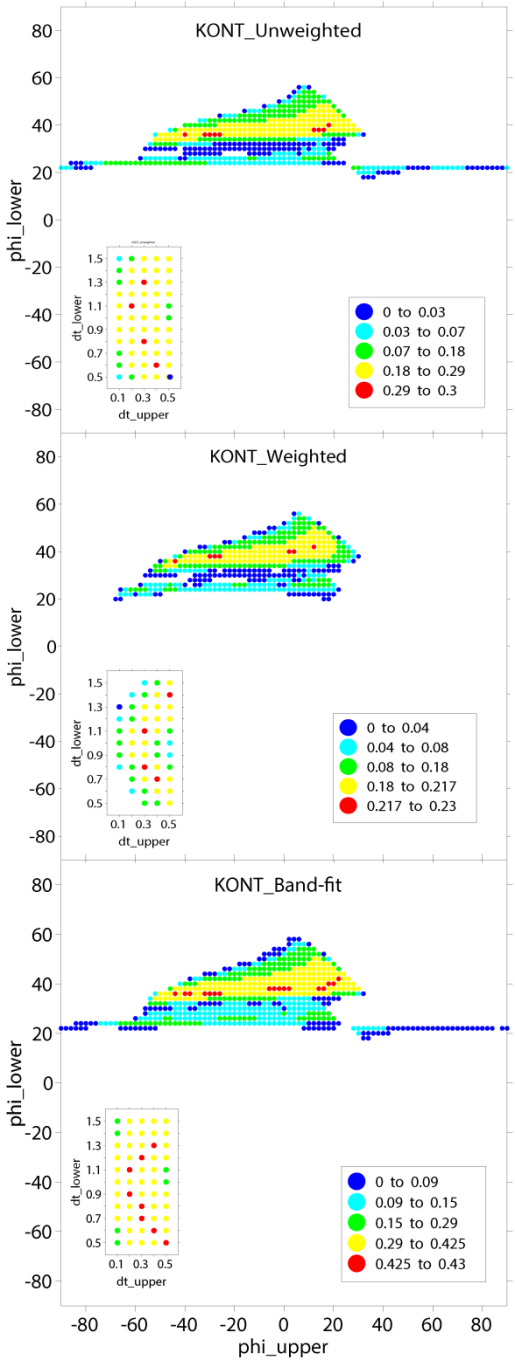


Figure 31. Sensitivity analysis of station KONT. Grid searches are applied using different misfit calculation methods (unweighted, weighted and band-fit) and resultant plots are color coded according to misfit reduction (R^2). Note that grid searches of delay time with relatively limited parameter space are displayed as inset figures.

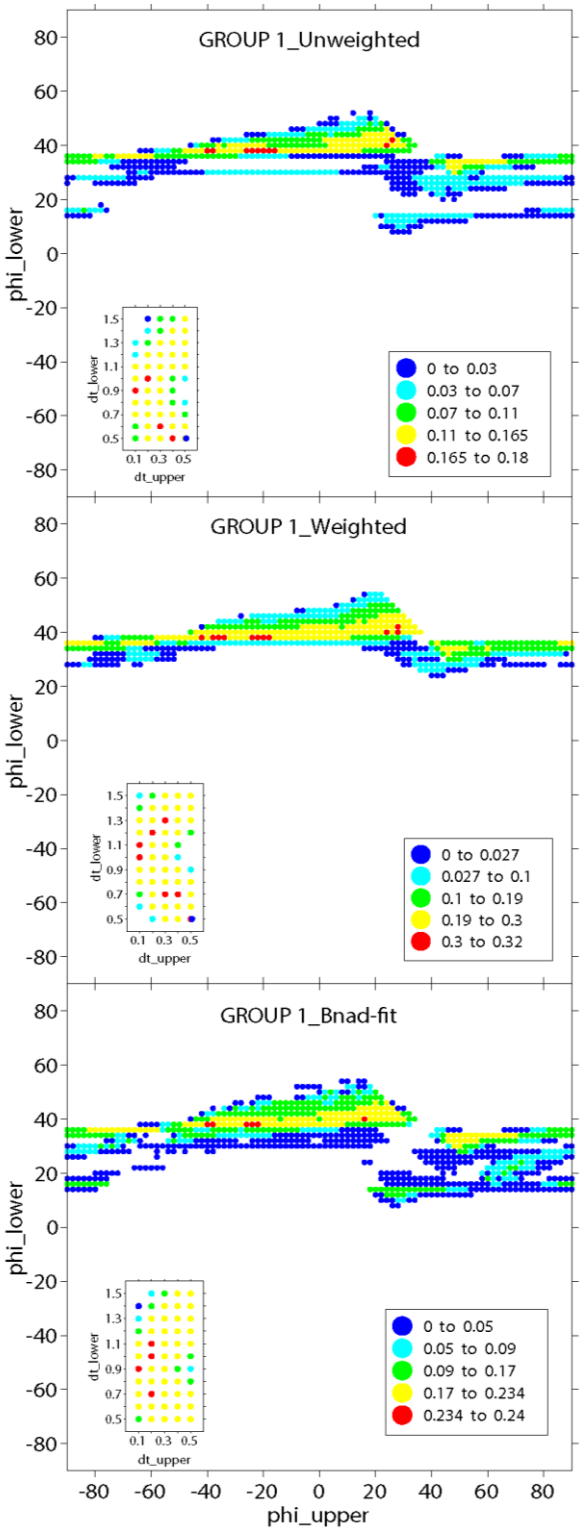


Figure 32. Sensitivity analysis of GROUP 1. Grid searches are applied using different misfit calculation methods (unweighted, weighted and band-fit) and resultant plots are color coded according to misfit reduction (R^2). Note that grid searches of delay time with relatively limited parameter space are displayed as inset figures.

4.4.4 Two Layered Anisotropy Results

The resultant two-layered anisotropy models are summarized in Table 4. In most cases, the models displaying largest misfit reductions are similar for different misfit calculation methods. Based on the misfit reduction, the most reliable stations are CDAG and GROUP 5. In GROUP 2 and 4 which are located towards east, the misfit reductions ($R^2, R^2_{adjusted}$) of weighted method is very low to claim two-layered anisotropy and hence discarded from results. Moreover Cyprus stations which are combined in GROUP 6, display highly scattered splitting at similar back azimuths and resulted in non-unique results. Unlike others, two-layered modeling is utilized for this group using only good quality splitting measurements.

Figure 33 presents the shear wave splitting results of both single and two-layered anisotropy. The lower layer is characterized by NE-SW trending fast splitting directions with delay times close to 1 sec whereas upper layer display mainly NW-SE trending fast splitting with relatively limited time delays (~0.3 sec). The identified fast splitting directions and time delays in the lower layer are consistent with the mean splitting results assuming single layered anisotropy. In contrast, the fast splitting directions of the upper layer is mostly sub-perpendicular to the mean splitting and rather weak.

For visual assessment, the resultant splitting functions of two-layered anisotropy are plotted over the splitting observations for every station or group that is modeled (Figure 34, 35, 36, 37, 38, 39, 40 and 41).

Table 4. Best-fitting two layered anisotropy models of selected stations and groups. $\emptyset_{\text{lower}}$, $\emptyset_{\text{upper}}$, δt_{lower}, δt_{upper} are fast directions and delay times of lower and upper layers. R^2, R^2_{adj} are the standard and adjusted misfit reductions. * indicate models based on only good quality splitting measurements.

	Misfit calculation	$\emptyset_{\text{lower}}$	$\emptyset_{\text{upper}}$	δt_{lower}	δt_{upper}	R^2	R^2_{adj}
KONT	bandfit	36	-30	1,1	0,2	0,43	0,4
	unweighted	36	-28	1,1	0,2	0,29	0,26
	weighted	38	-28	1,1	0,3	0,22	0,19
CDAG	bandfit	68	-20	0,9	0,1	0,67	0,66
	unweighted	64	-24	0,9	0,1	0,47	0,46
	weighted	74	-2	0,8	0,1	0,68	0,67
Group 1	bandfit	38	-24	0,9	0,1	0,24	0,19
	unweighted	38	-22	0,9	0,1	0,17	0,13
	weighted	38	-38	1,2	0,2	0,31	0,27
Group 2	bandfit	18	-60	0,6	0,2	0,2	0,18
	unweighted	16	-66	0,9	0,3	0,14	0,11
	weighted	-	-	-	-	-	-
Group 3	bandfit	36	-42	1,2	0,2	0,33	0,32
	unweighted	36	-48	1,4	0,4	0,21	0,19
	weighted	38	-24	1,1	0,2	0,15	0,14
Group 4	bandfit	4	-88	0,7	0,3	0,21	0,19
	unweighted	4	-88	1,2	0,5	0,12	0,1
	weighted	-	-	-	-	-	-
Group 5	bandfit	60	-30	1,3	0,3	0,63	0,62
	unweighted	59	-30	1,4	0,4	0,54	0,53
	weighted	61	-31	1,3	0,3	0,31	0,29
Group 6*	bandfit	20	-80	1,2	0,4	0,39	0,32
	unweighted	20	-78	1,2	0,5	0,29	0,21
	weighted	20	-88	0,9	0,2	0,6	0,55

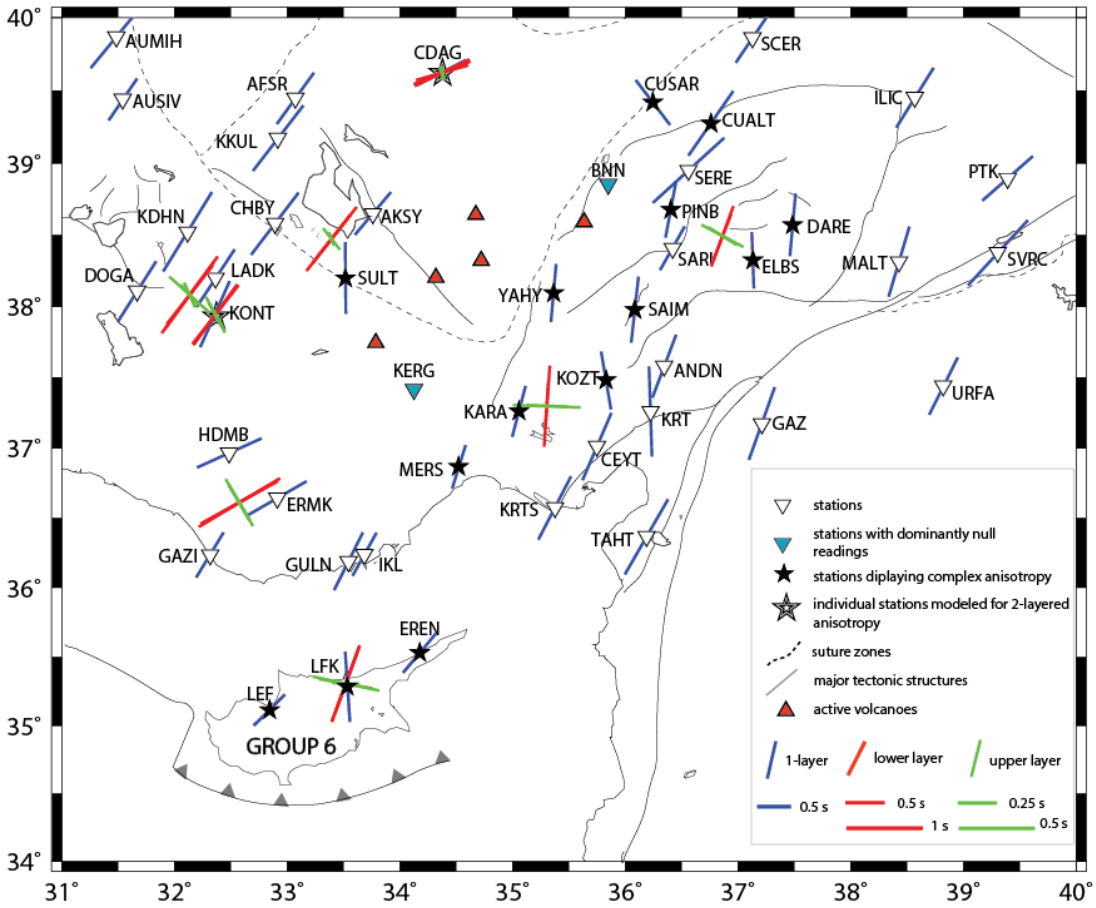


Figure 33. Map showing shear wave splitting results of both single and two layer anisotropy.

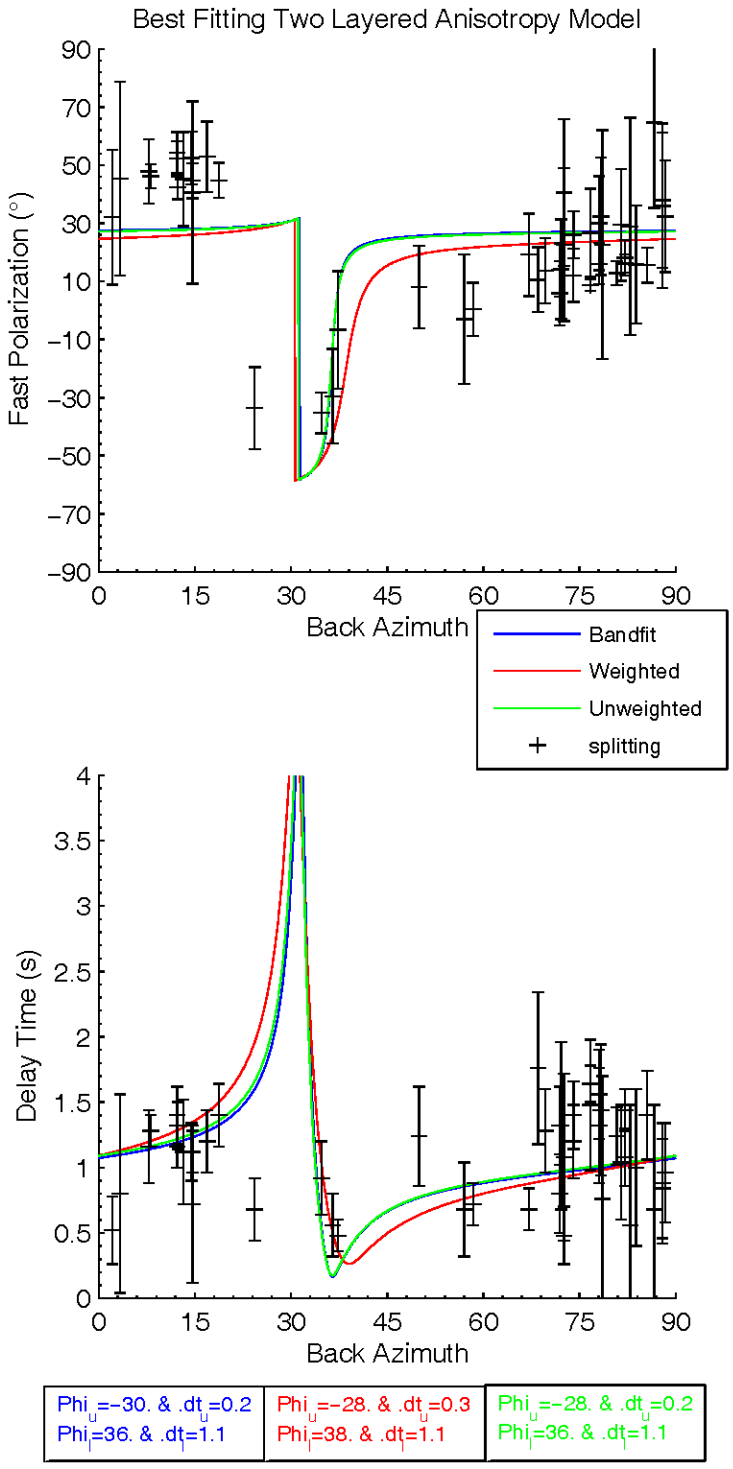


Figure 34. The best-fitting two layered anisotropy models of station KONT obtained using different misfit calculation methods (unweighted, weighted and band-fit).

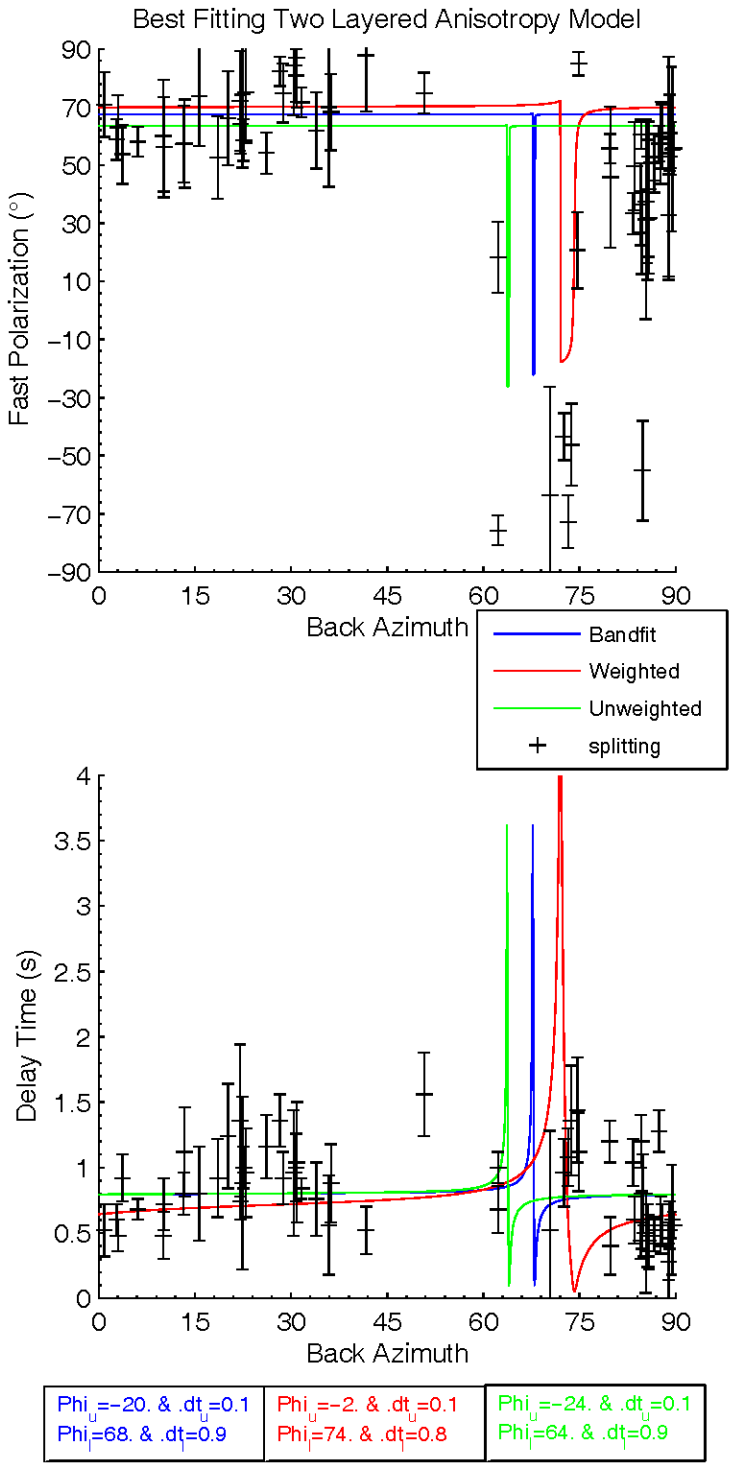


Figure 35. The best-fitting two layered anisotropy models of station CDAG obtained using different misfit calculation methods (unweighted, weighted and band-fit).

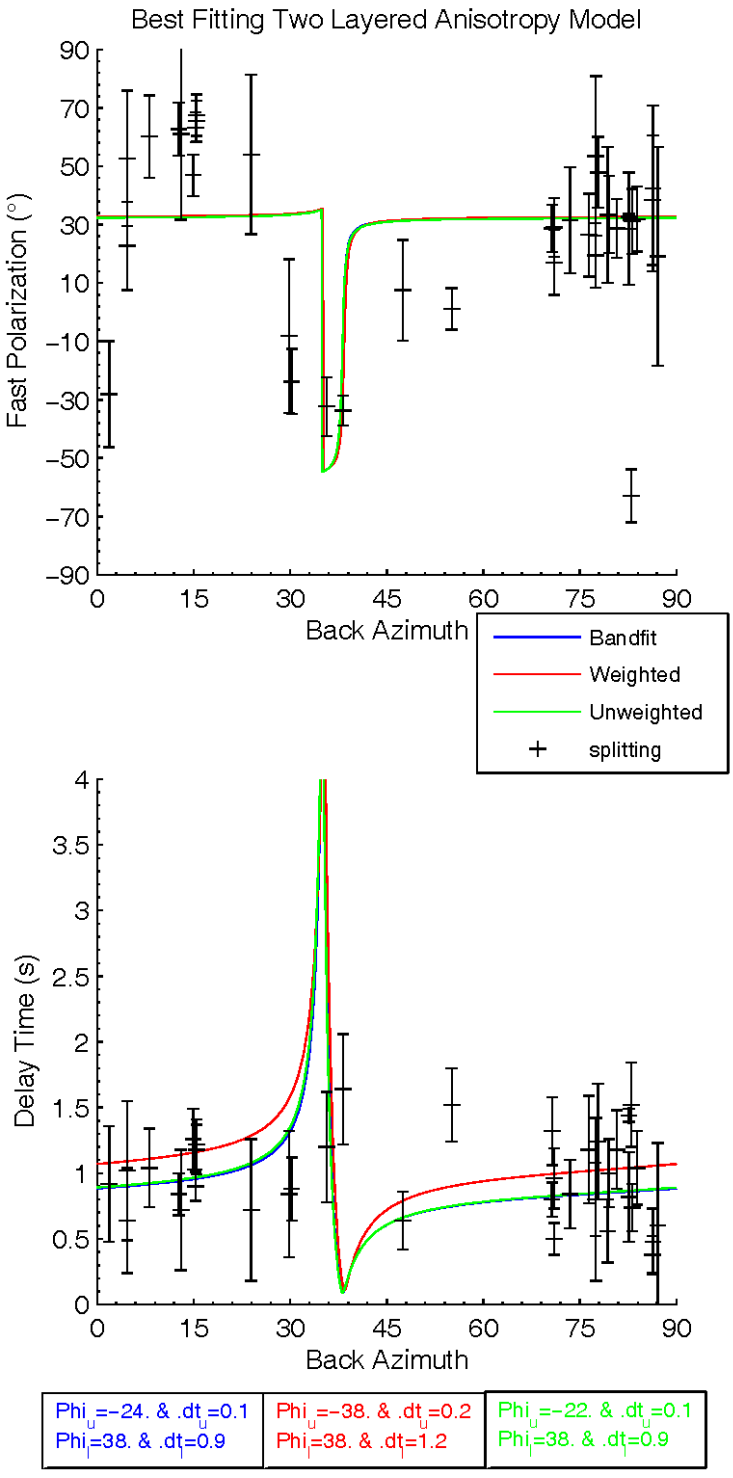


Figure 36. The best-fitting two layered anisotropy models of GROUP 1 obtained using different misfit calculation methods (unweighted, weighted and band-fit).

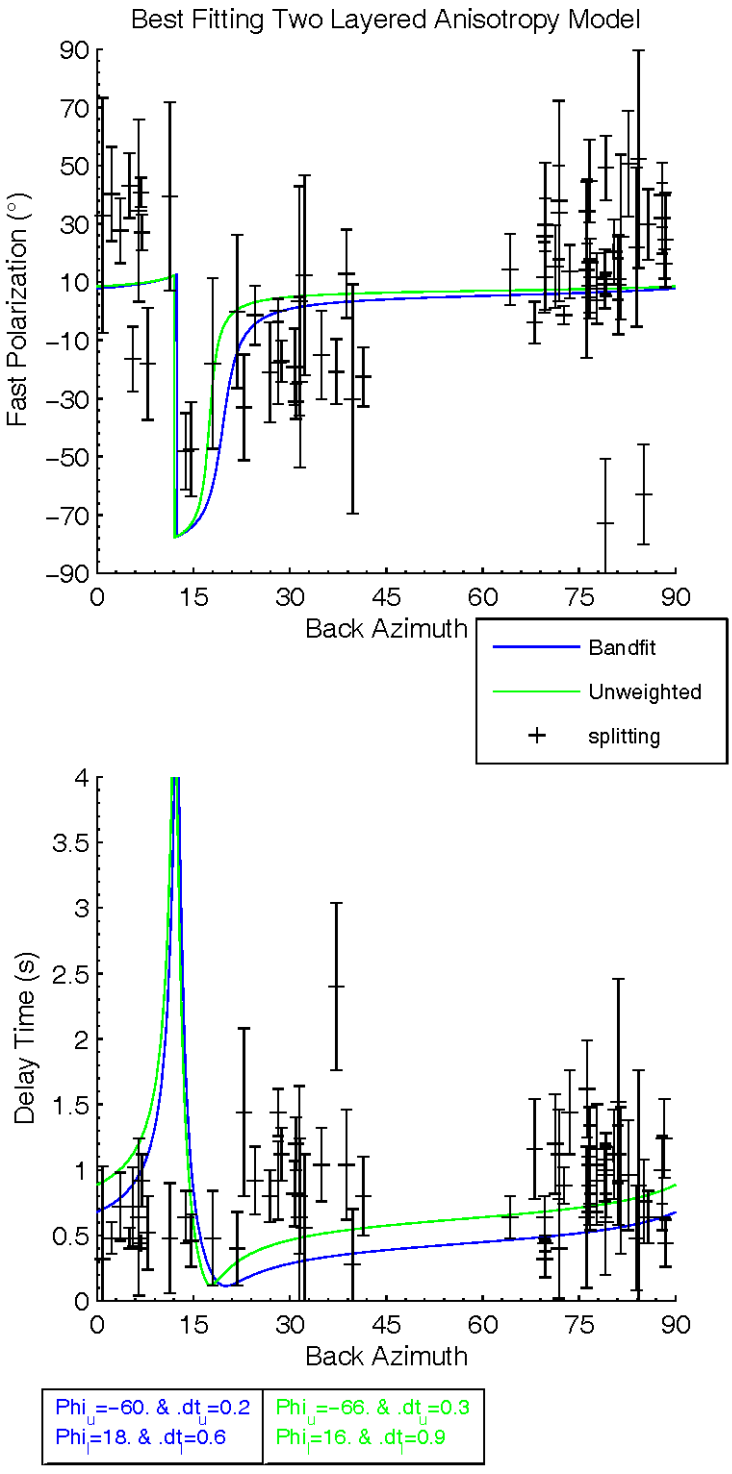


Figure 37. The best-fitting two layered anisotropy models of GROUP 2 obtained using different misfit calculation methods (unweighted and band-fit).

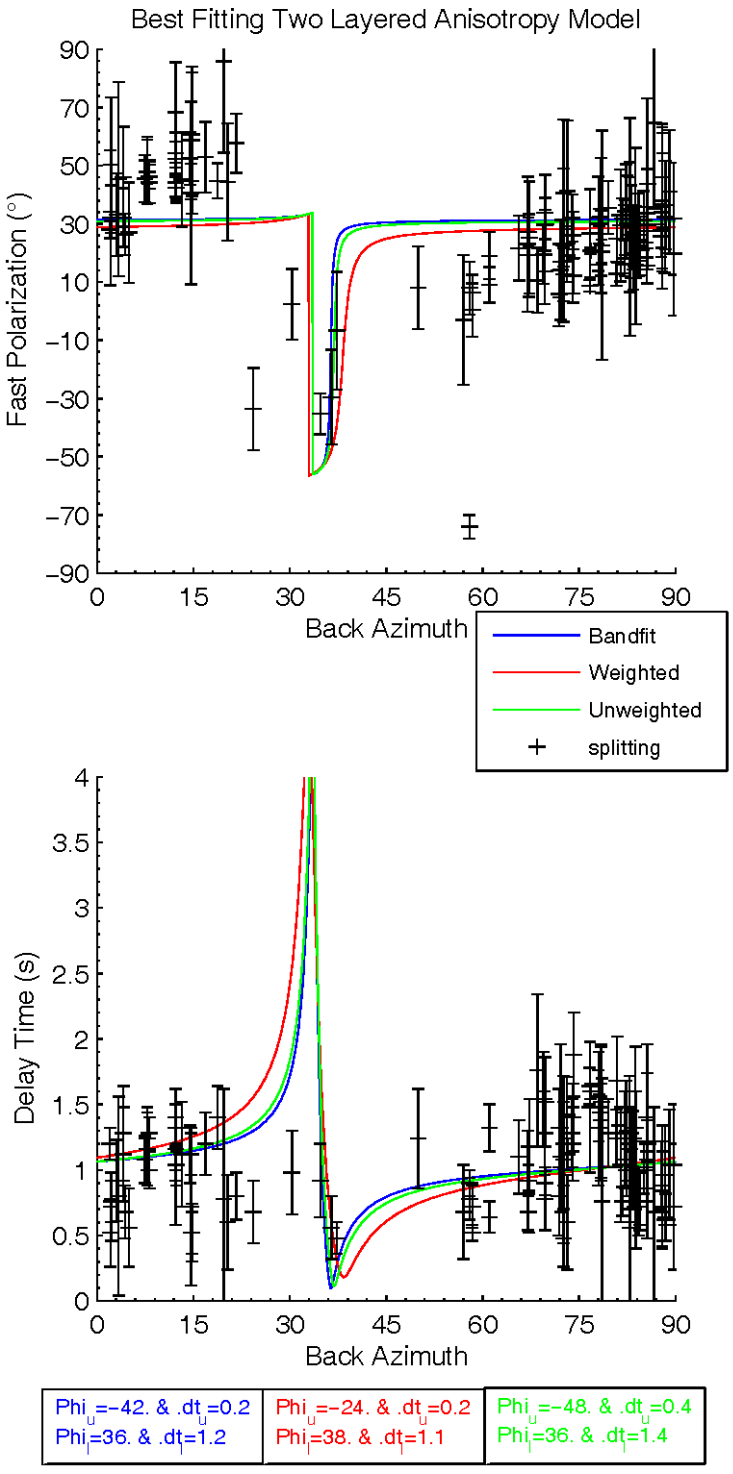


Figure 38. The best-fitting two layered anisotropy models of GROUP 3 obtained using different misfit calculation methods (unweighted, weighted and band-fit).

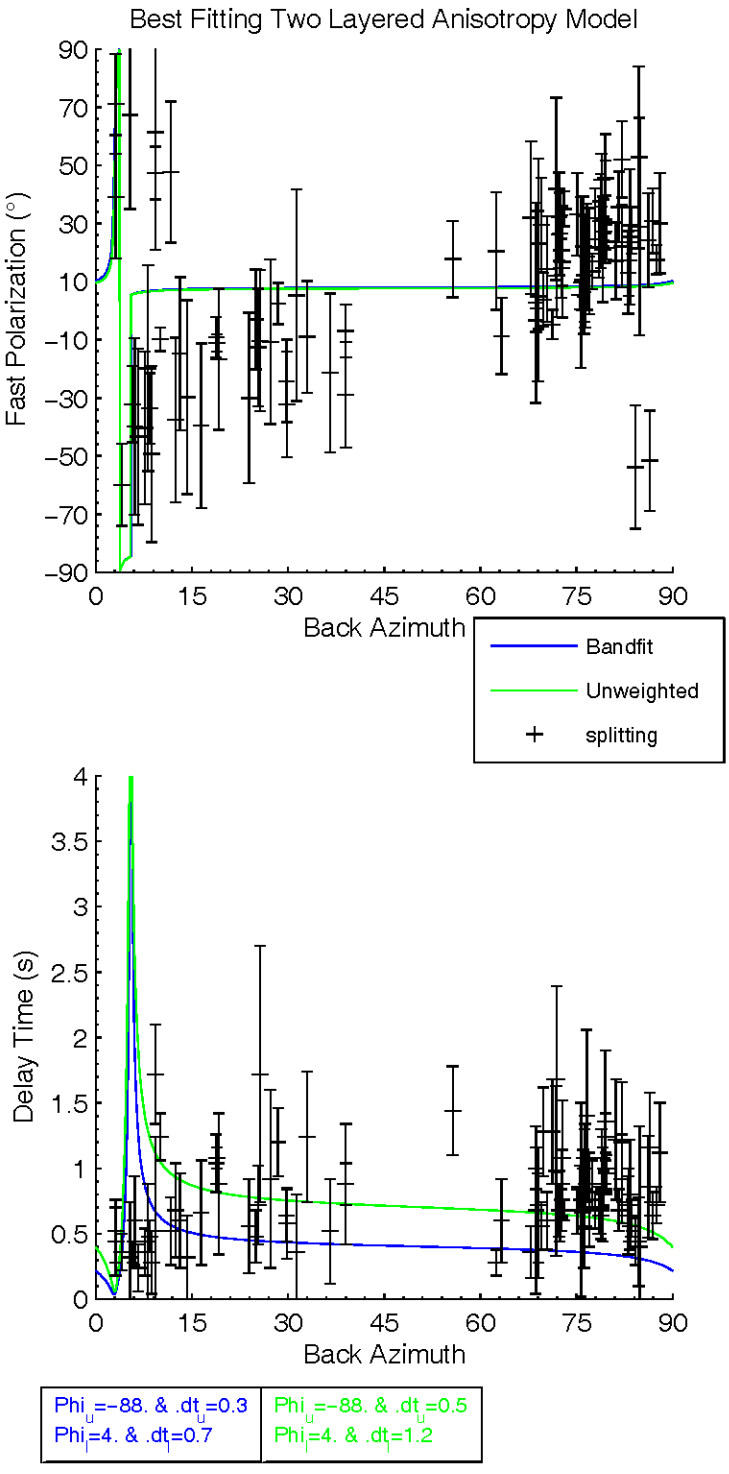


Figure 39. The best-fitting two layered anisotropy models of GROUP 4 obtained using different misfit calculation methods (unweighted and band-fit).

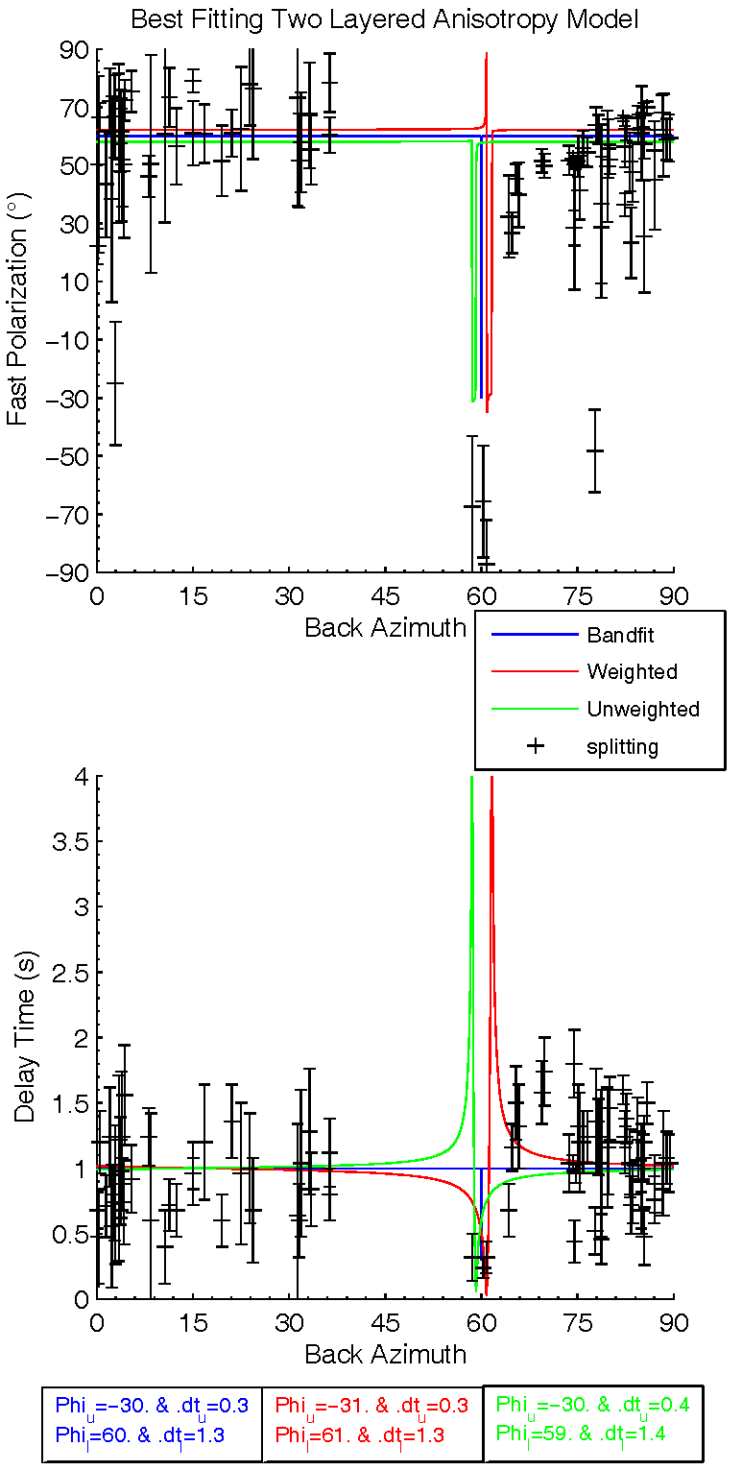


Figure 40. The best-fitting two layered anisotropy models of GROUP 5 obtained using different misfit calculation methods (unweighted, weighted and band-fit).

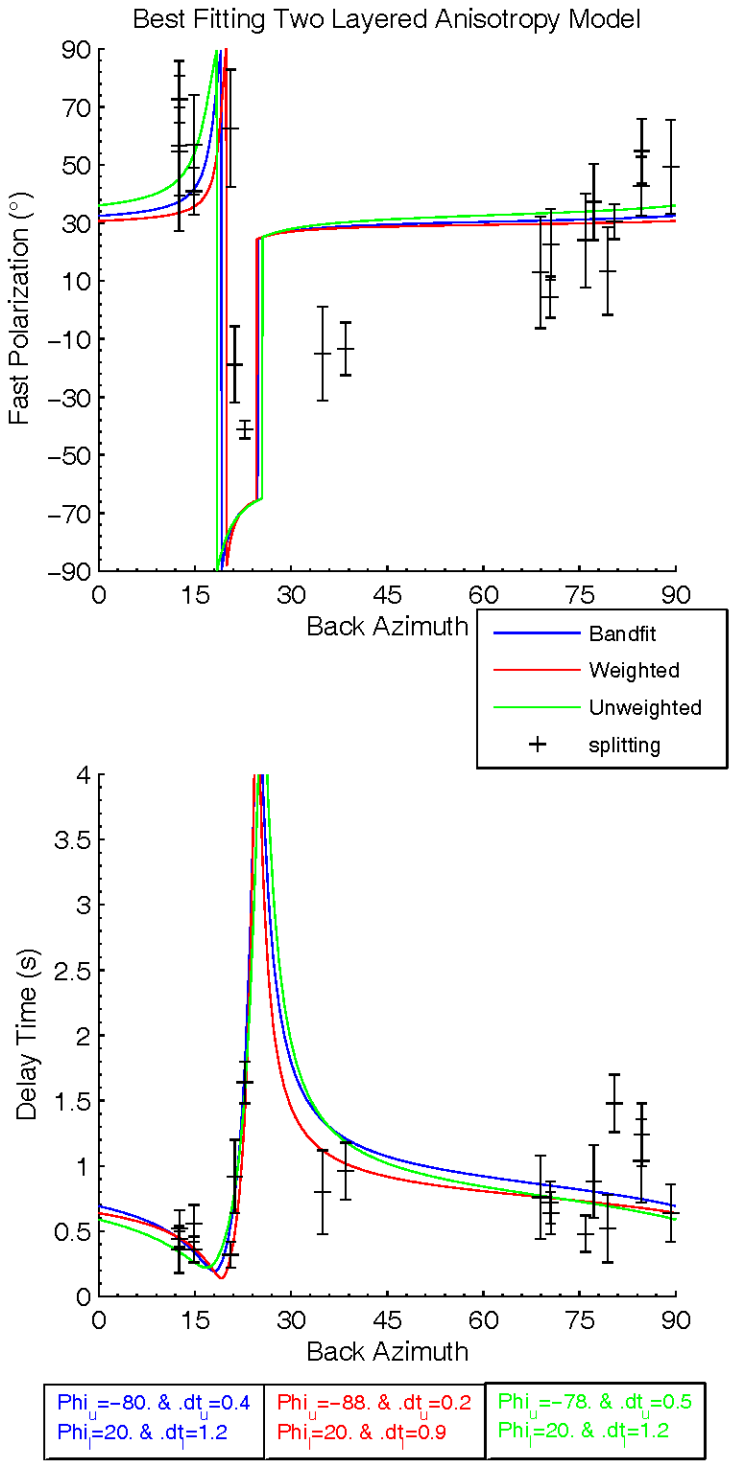


Figure 41. The best-fitting two layered anisotropy models based on good quality splitting measurements of GROUP 6 obtained using different misfit calculation methods (unweighted, weighted and band-fit).

CHAPTER 5

DISCUSSION & CONCLUSIONS

5.1 Source of Anisotropy

While shear wave splitting method provides excellent lateral resolution, there is no direct constraint on the vertical location of the anisotropy as a result of the nature of core-refracted waves. SKS/SKKS waves are generated at the core mantle boundary, hence the splitting could be acquired anywhere along the 2900 km long path to the Earth's surface, although many studies have shown that most anisotropy takes place in the upper 400 km of the Earth *(Vinnik et al., 1992; Mainprice and Silver, 1993).* In this respect, the depth of the anisotropic source can be inferred indirectly using observed delay times, which are generally attributed to the strength of anisotropy. In general, crustal contribution to the splitting delay times is assumed to be on the order of 0.2 seconds *(Barruol and Mainprice, 1993).* Additionally, 4 percent anisotropy requires a ~120 km thick anisotropic layer for 1 sec time delay *(Silver and Chan, 1991).* Thus observed time delays exceeding 1 sec suggest that the asthenosphere is involved in the process.

Generally, fast splitting polarizations are compared with absolute plate motions, stress directions and geologic fabric *(Silver and Holt, 2002).* A regional coherency of anisotropy with surface motions suggests a lithospheric origin assuming a uniform vertical strain throughout the lithosphere. On the other hand, a uniform distribution of fast axis orientations at broader scale coherent with absolute plate motion

directions would support an asthenospheric origin *(Kaviani et al., 2009).* Upper layer is thought to be closely related to the fault dynamics and with the associated shear. The origin of the deeper anisotropic layer is more debated, but it is generally associated with a regional asthenospheric flow *(Bonnin et al., 2010).*

Figure 42 presents the absolute plate motions with respect to different reference frames. According to No-Net-Rotation frame, absolute motions are directed towards NE in most of Turkey. In contrast, absolute motions calculated with respect to Hotspot frames, indicate SW directed motion for the Eurasian plate. They indicate opposite directions, but both trends are similar to the NE-SW trending fast splitting observed across Turkey which further supports involvement of asthenospheric source.

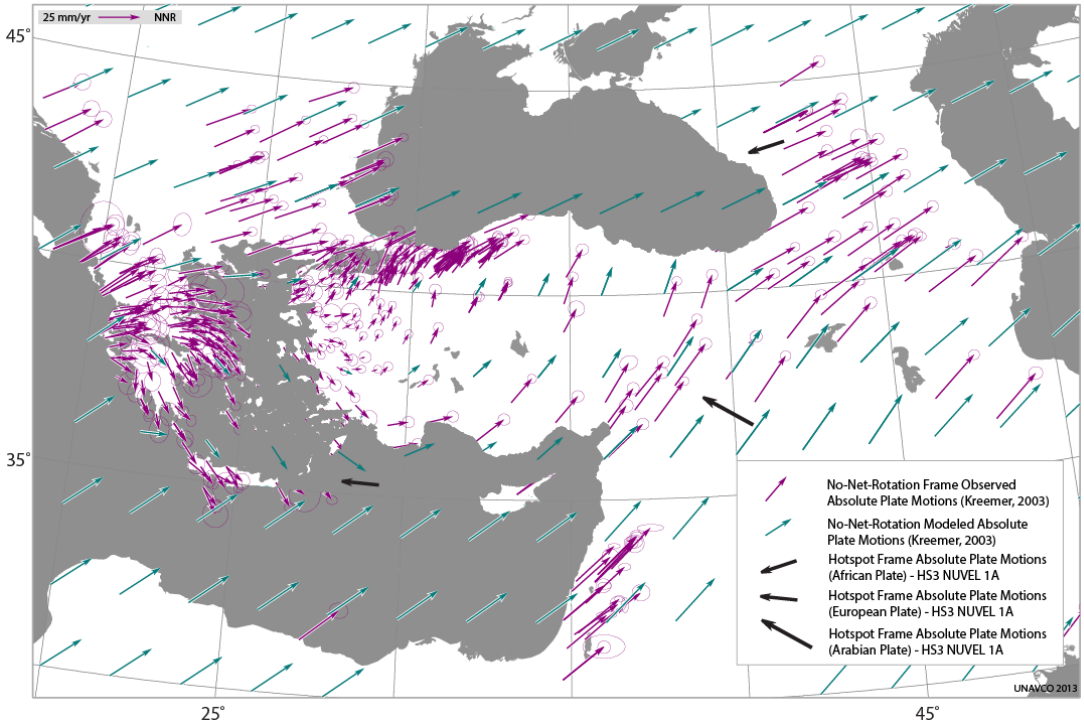


Figure 42. Absolute plate motions across Turkey according to no-net rotation (Kreemer et al. 2003) and hotspot (HS3 NUVEL 1A) reference frames.

Kreemer (2009) also tried to constrain the net lithosphere rotation using shear wave splitting measurements at both oceanic and continental paths and obtained the digital model, GSRM-APM1 (Figure 43). Although global scale performance of the model is meaningful, it is not sufficient to explain shear wave splitting measurements.

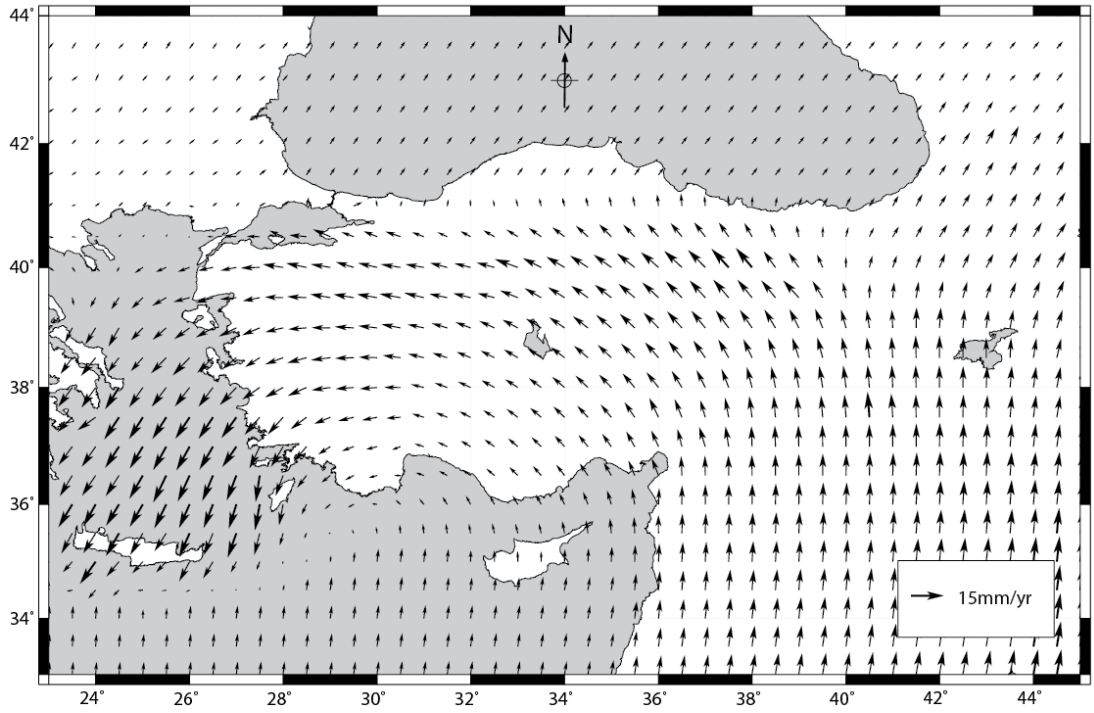


Figure 43. GSRM-APM1 reference frame velocity field of Turkey (Kreemer, 2009).

5.2 Interpretation

Fast splitting polarizations of both mean and lower layer results indicate a uniform NE-SW trend with time delays on the order of 1 sec. This trend is similar to the other adjacent splitting measurements and absolute plate motions in the region favoring an

asthenospheric flow (Figure 44). In this model, motion of lithosphere produces surface drag that deforms the weak asthenosphere. It is also possible to have mantle drag if mantle is in motion but parallel fast splitting polarizations and absolute plate motions suggest if mantle is flowing due to convection, it should be also parallel to the NE-SW trend.

Across Aegean Sea, fast splitting polarizations are roughly perpendicular to the Aegean trench. Towards the trench, time delays diminish and fast polarizations become sub-parallel to the trench. This pattern suggest that the splitting is controlled by southward treating slab (slab rollback) in the north and by slab tear located between Aegean and Cyprus slabs in the south *(Hatzfeld et al. 2001, Evangelidis et al. 2011).* In addition, *Biryol et al. (2010)* identified a sharp increase in time delays towards west and associated this to the Aegean slab rollback that causes larger amounts of retreat with respect to Cyprus slab. These observations clearly indicate the contribution of slab roll-back and tear to the shear wave splitting measurements. In this respect, the possible contribution of Cyprus slab beneath the Central Anatolia to our splitting measurement should be also taken into account.

Our results revealed an increased complexity along the eastern edge of the Cyprus slab that coincides with the Central Anatolian Fault Zone, but display no clear evidence for regional torodial flow. Recent tomographic study of *Biryol et al. (2011)* identified a small tear just west of Cyprus. This tear which may affect the Cyprus stations, would also initiate mantle flow in NE-SW direction which is parallel to the regional trend and thus indistinguishable. Although, it is not possible to rule out the slab edge effect entirely, our two layered anisotropy models can sufficiently explain the observed back azimuthal variations and rather suggest the presence of lithospheric sources of anisotropy.

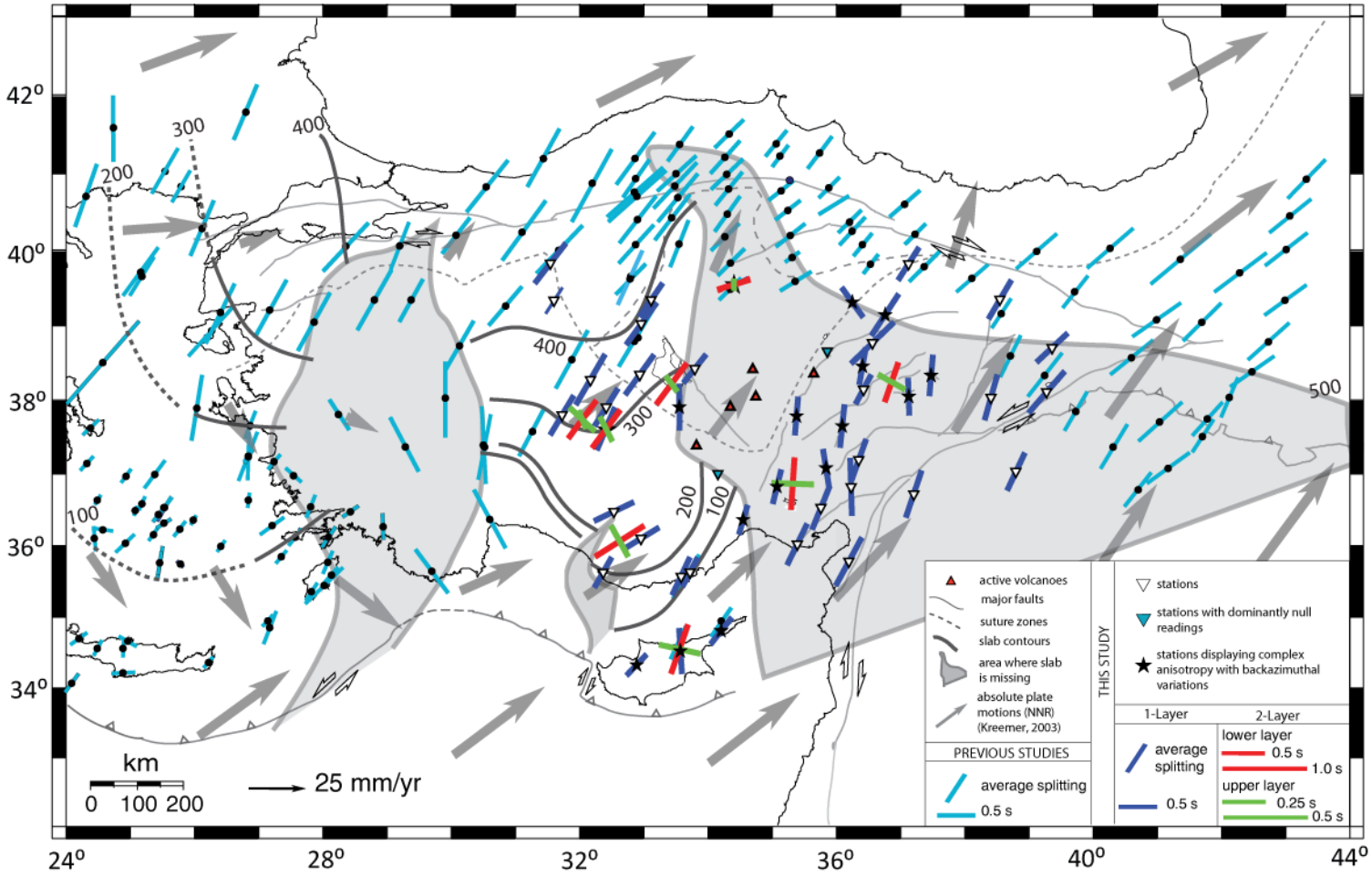


Figure 44. Tectonic map of Turkey showing shear wave splitting measurements, absolute plate motions of no-net rotation frame (Kreemer, 2003) and African slab geometry (Biryol et al. 2011). Note that the fast directions of large Pn anisotropy detected near seismic stations analyzed in this study (Kömeç Mutlu and Karabulut, 2011) are also plotted for visual comparison.

Upper layer fast splitting polarizations are generally attributed to lithospheric sources of anisotropy. The presence of fossil anisotropy due to past tectonic processes, dynamics of active faults, present day stress field and volcanic upwellings modifying the fabric of lithosphere are some of the common mechanisms suggested in the literature *(Fontaine et al., 2007; Bonnin et al., 2010).* In this study, identified fast splitting polarizations are mainly trends in NW-SE direction with limited time delays (~0.3 sec). Recently, Pn tomography revealed the presence of anisotropy that exceeds 0.5 km/s within a low Pn velocity anomaly located near the Neogene volcanism (*Kömeç Mutlu and Karabulut, 2011).* The stations which are characterized by null splitting measurements are also located near the Neogene volcanism and might be related to volcanic upwellings causing dipping symmetry. The fast Pn orientations mostly trend in NE-SW consistent with the mean and lower layer splitting results but perpendicular to the fast splitting trends of upper layer (Figure 4). Since Pn phases sample mostly crust and mantle boundary, the source of anisotropy detected at the upper layer is mostly likely confined within the crust.

The relationship between fast polarizations at the upper layer and the mapped faults are rather complex. The trend is parallel to Tuzgölü Fault but perpendicular to Central Anatolian Fault Zone. *Aktuğ et al. (2013)* calculated the principal strains in the region using a dense GPS network. Generally, fast polarizations of upper layer are parallel / sub-parallel to local extension directions and can be explained by ongoing strain field in the crust. In the south, the upper layer anisotropy near Cyprus indicates fast polarization direction which is parallel to the Cyprus trench and is possibly related to the shallow slab geometry.

5.3 Conclusions

In this study, the anisotropy beneath Central Anatolia is studied by using shear wave splitting analysis of SKS and SKKS phases at 46 broadband seismic stations. Our analysis yielded large number of well-constrained splitting measurements. The mean splitting results indicate mainly NE-SW trending fast polarizations and time delays on the order of 1 sec. The seismic stations located northwest and east of the study area are relatively simple and agree with single layer anisotropy with near horizontal symmetry. No significant change or complexity is observed along East Anatolian Fault Zone. On the other hand, the stations located close to Cyprus trench, Neogene volcanism and along Central Anatolian Fault Zone (CAFZ) are characterized with strong back azimuthal variations and increased null measurements that requires complex anisotropic source. Thus we have modeled anisotropy for two-layered structures using a forward approach and discovered NE-SW trending fast splitting directions with delay times close to 1 sec at the lower layer and mostly NW-SE trending fast splitting with limited time delays (~0.3 sec) at the upper layer. Fast directions and delay times of the lower layer are similar to mean splitting and parallel or sub-parallel to the absolute plate motions which supports asthenospheric flow model associated to drag shear. In contrast, weak upper layer anisotropy occurs likely due to the internal deformation of Central Anatolian lithosphere.

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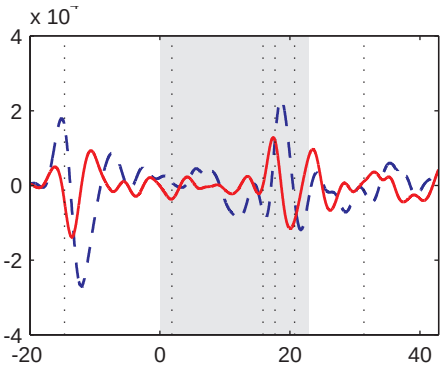
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APPENDICES

Appendix A: One page plots of all non-null and null splitting measurements with good and fair qualities.

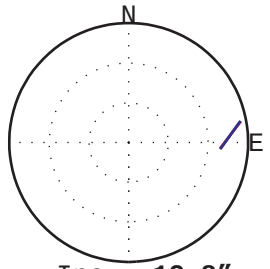
Appendix B: The first page includes station based back azimuth distribution of the observed splitting parameters (fast axis and delay time) calculated using Rotation Correlation (RC), Minimum Energy (SC) and Eigen Value (EV) methods. Green lines represent the mean values. In the second page, shear wave splitting measurements computed by SC method are plotted with respect to back azimuth in a map view next to the theoretical distribution of splitting for a single anisotropic layer with calculated mean values.



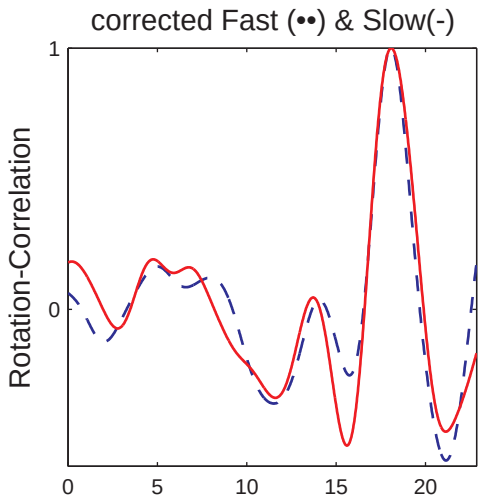
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **AFSR** Backazimuth: **85.8”** Distance: **92.11”**
init.Pol.: **264.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.3**

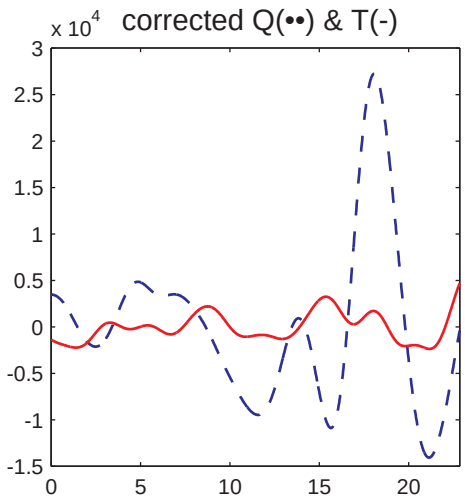
Rotation Correlation:	28<	36° <	47	0.9<1.0s<1.1
Minimum Energy:	31<	38° <	43	1.0<1.1s<1.2
Eigenvalue:	21<	36° <	50	1.0<1.1s<1.2

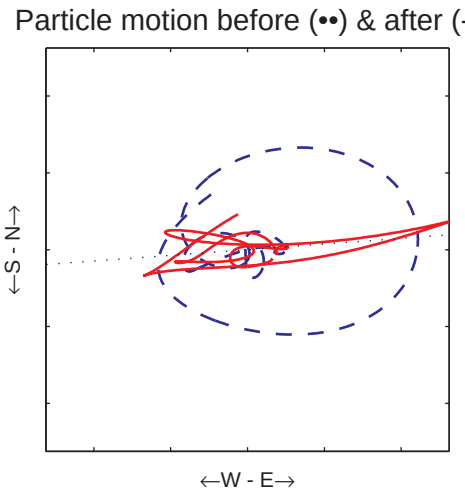
Quality: **good** IsNull: **No** Phase: **SKKS**

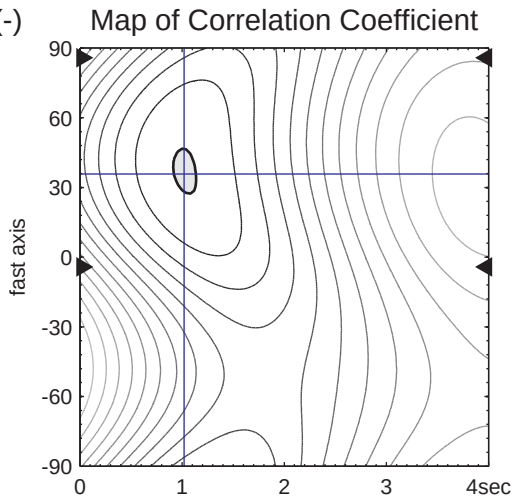


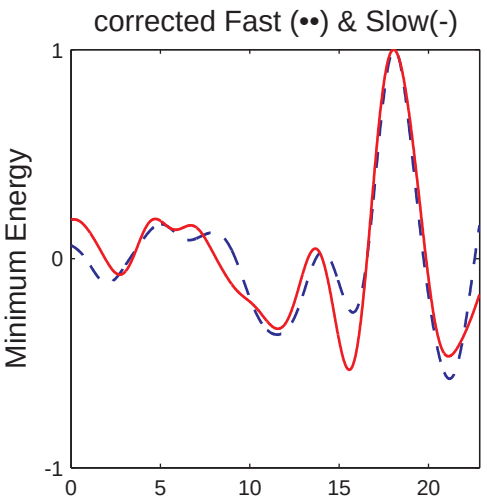
Inc = **12.8”**

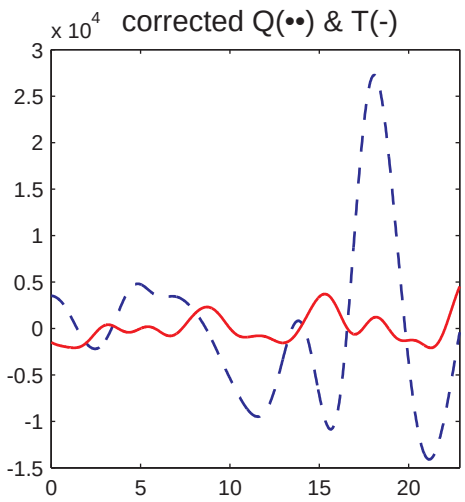


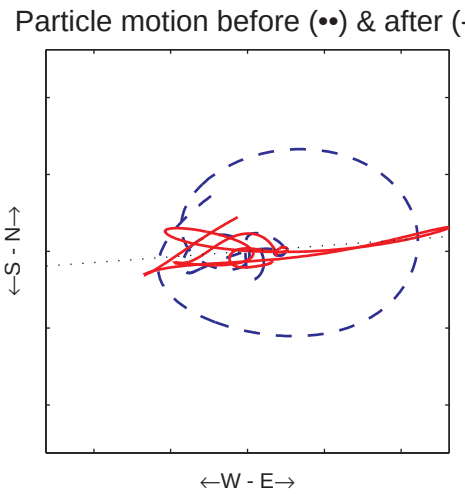


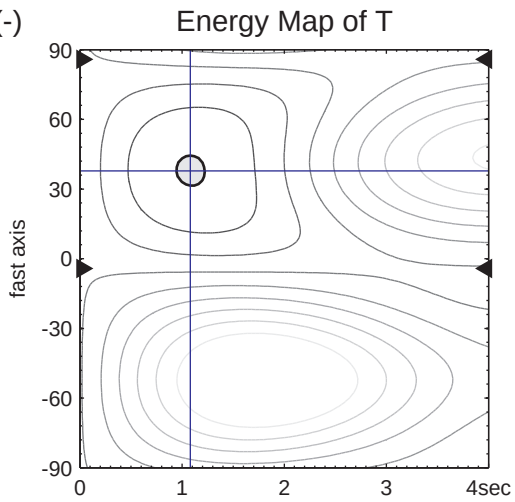


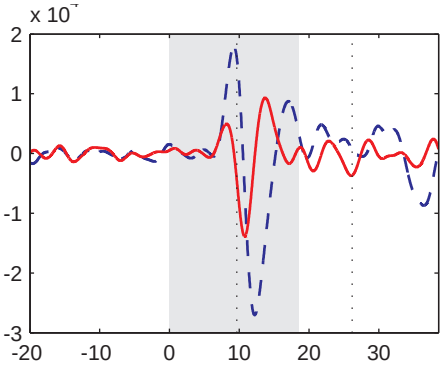








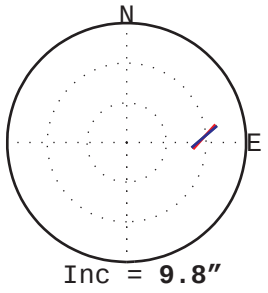


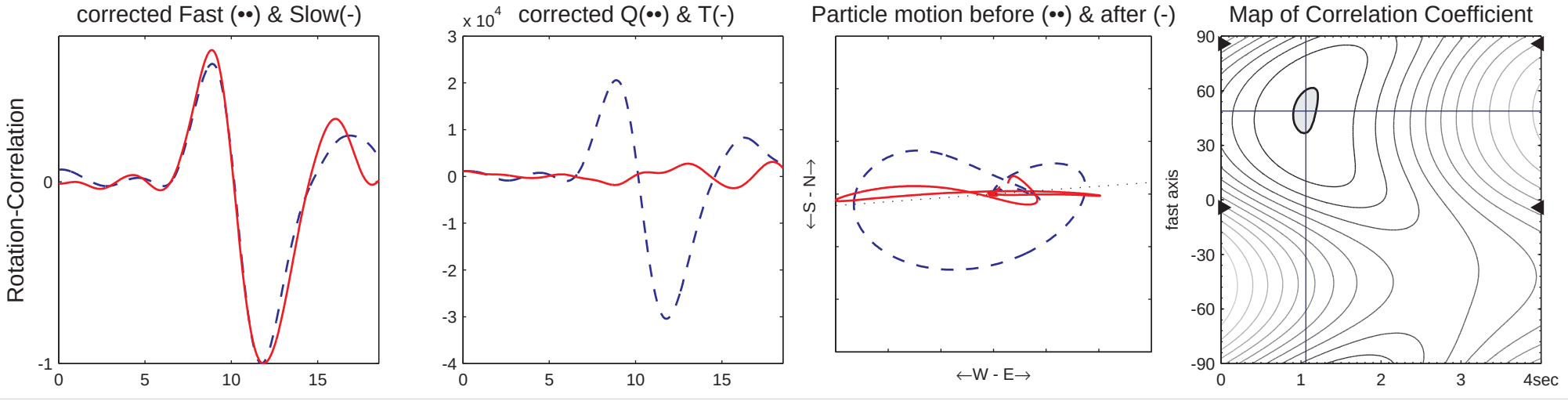


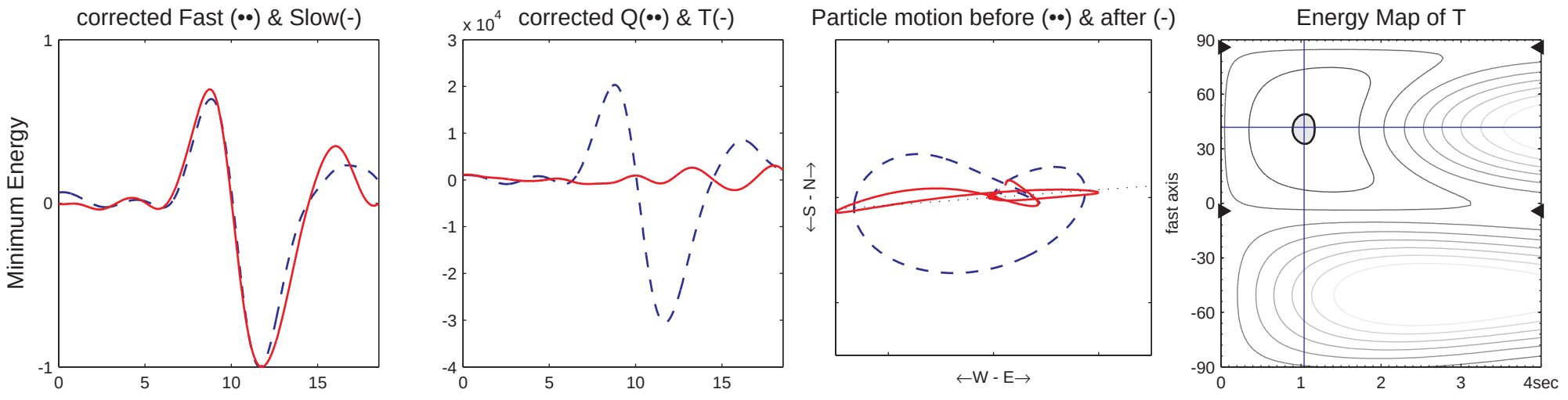
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **AFSR** Backazimuth: **85.8”** Distance: **92.11”**
init.Pol.: **270.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.9**

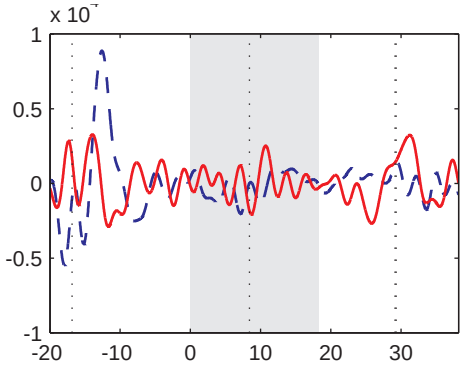
Rotation Correlation:	37<	49° <	62	0.9<1.1s<1.2
Minimum Energy:	33<	42° <	50	0.9<1.0s<1.2
Eigenvalue:	35<	50° <	62	0.9<1.0s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





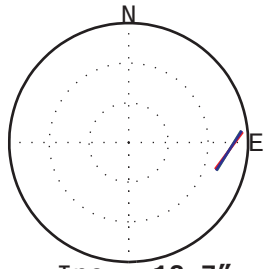




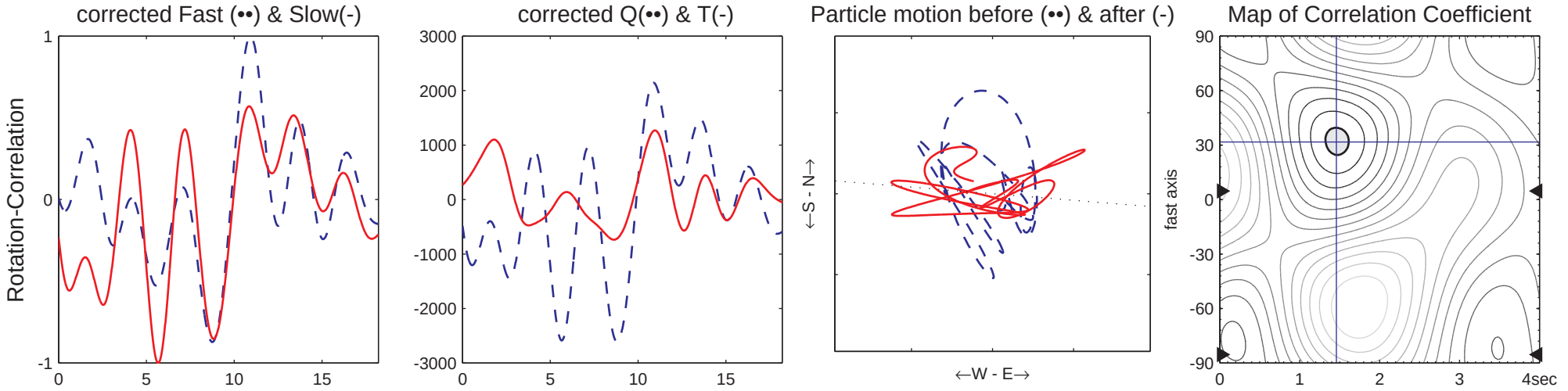
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **AFSR** Backazimuth: **94.7”** Distance: **95.98”**
init.Pol.: **266.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.7**

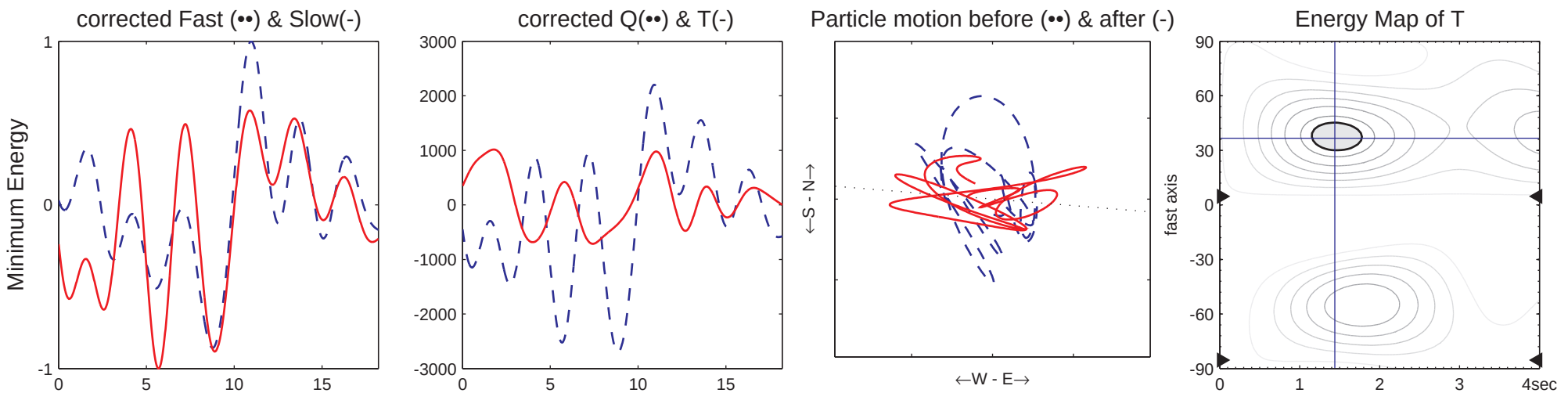
Rotation Correlation:	25<	32° <	40	1.3<1.5s<1.6
Minimum Energy:	29<	37° <	46	1.2<1.4s<1.8
Eigenvalue:	17<	33° <	48	1.2<1.5s<1.8

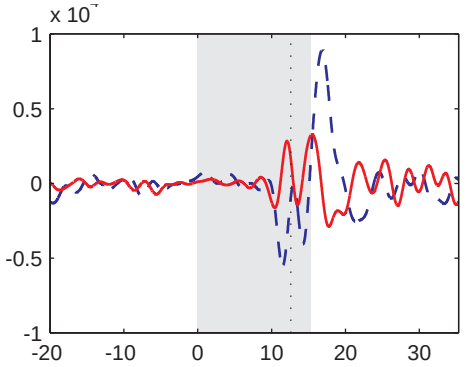
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.7”**



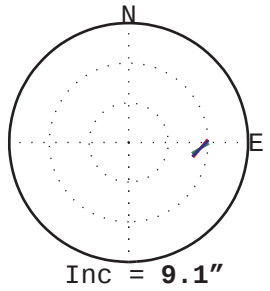


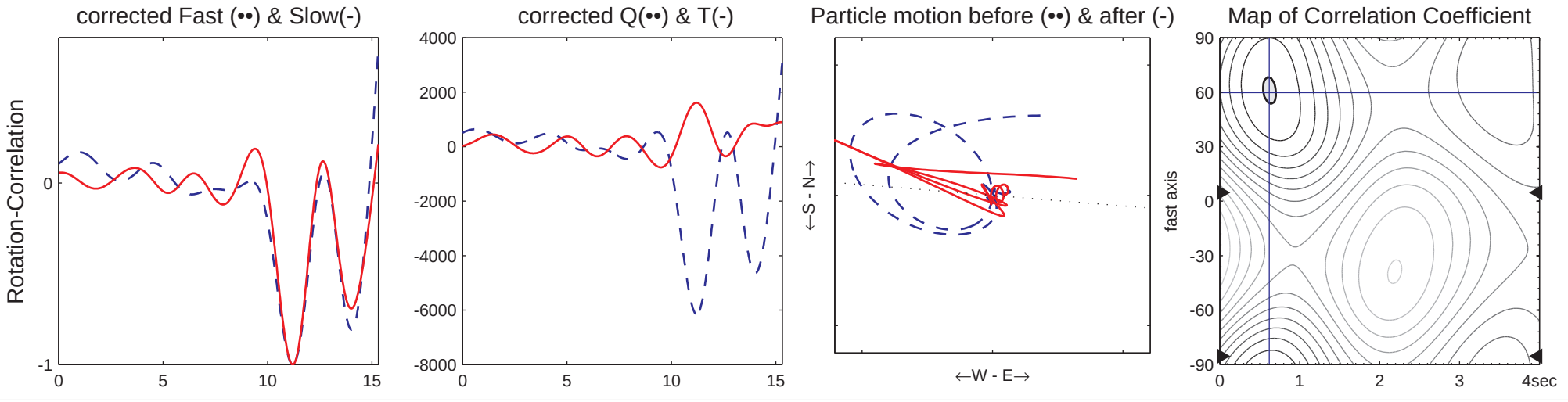


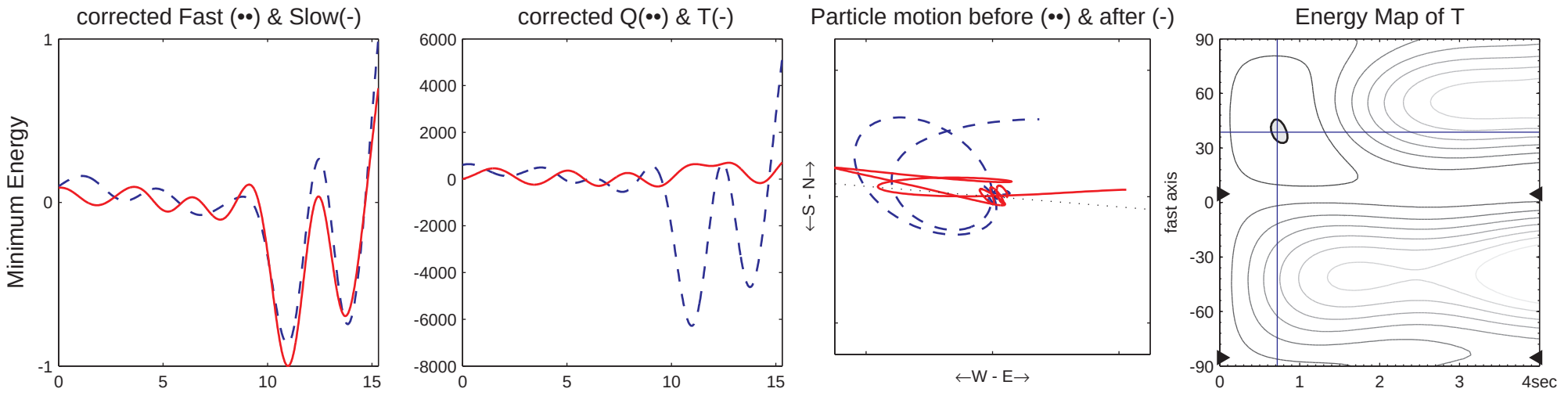
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **AFSR** Backazimuth: **94.7”** Distance: **95.98”**
init.Pol.: **279.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.5**

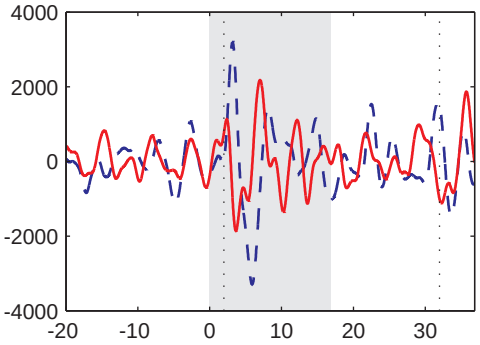
Rotation Correlation:	54<	60° <	68	0.6<0.6s<0.7
Minimum Energy:	33<	39° <	46	0.6<0.7s<0.8
Eigenvalue:	39<	45° <	56	0.6<0.7s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





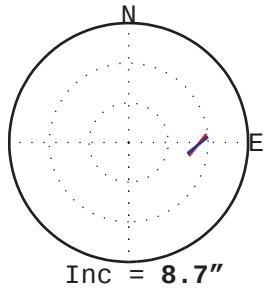


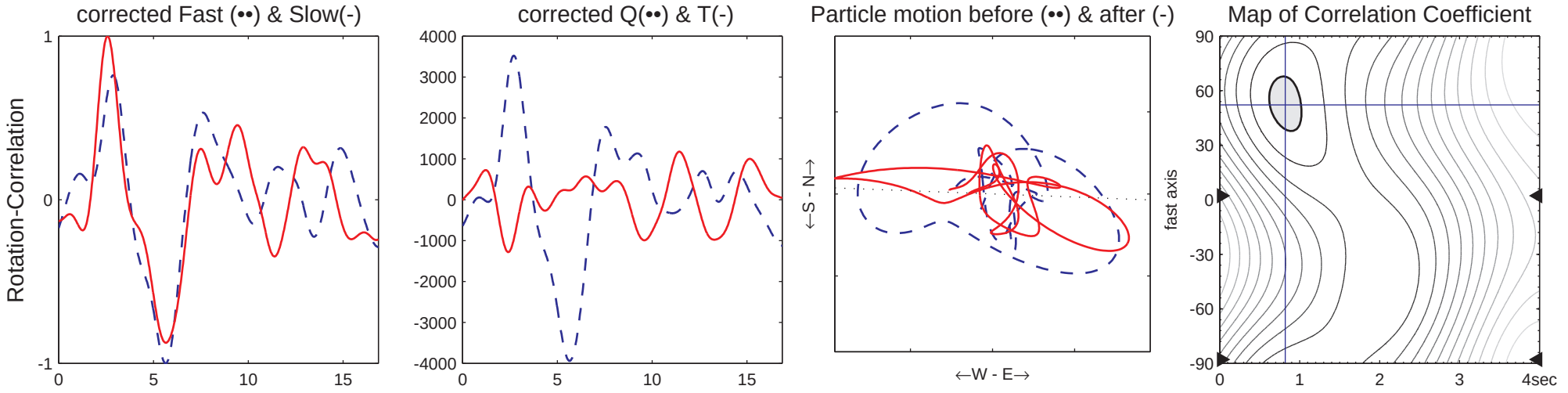


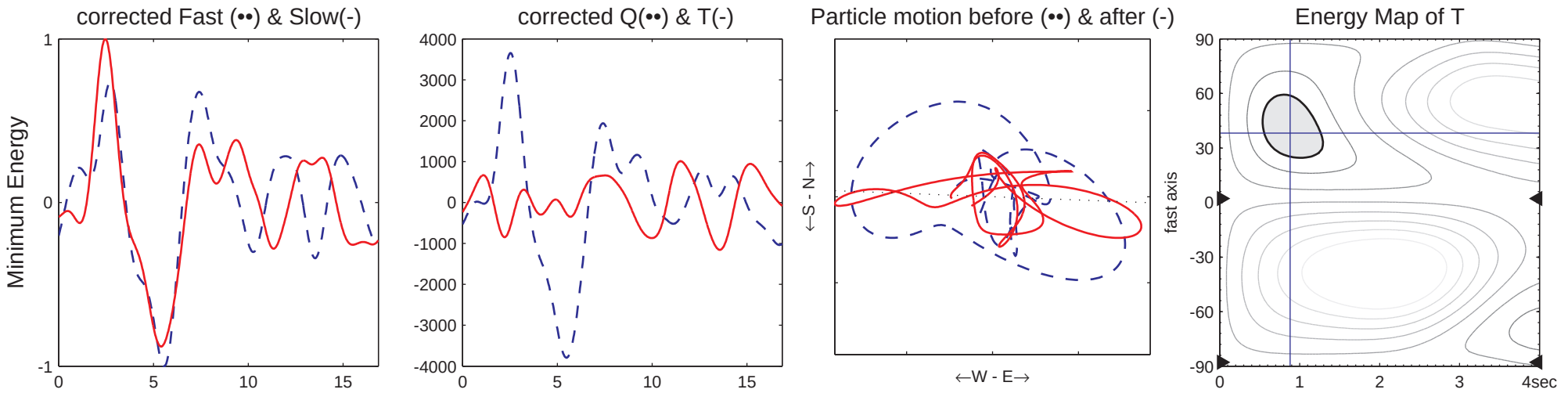
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **AFSR** Backazimuth: **92.2”** Distance: **98.87”**
init.Pol.: **279.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.4**

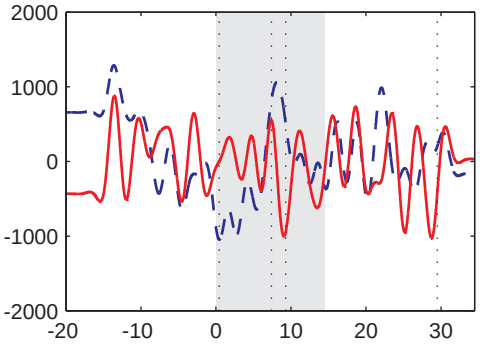
Rotation Correlation:	38<	52° <	68	0.6<0.8s<1.0
Minimum Energy:	25<	38° <	60	0.5<0.9s<1.3
Eigenvalue:	19<	48° <	86	0.5<0.8s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





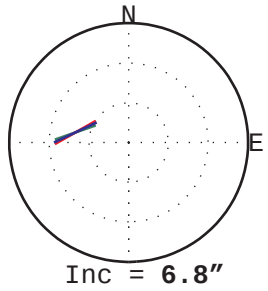


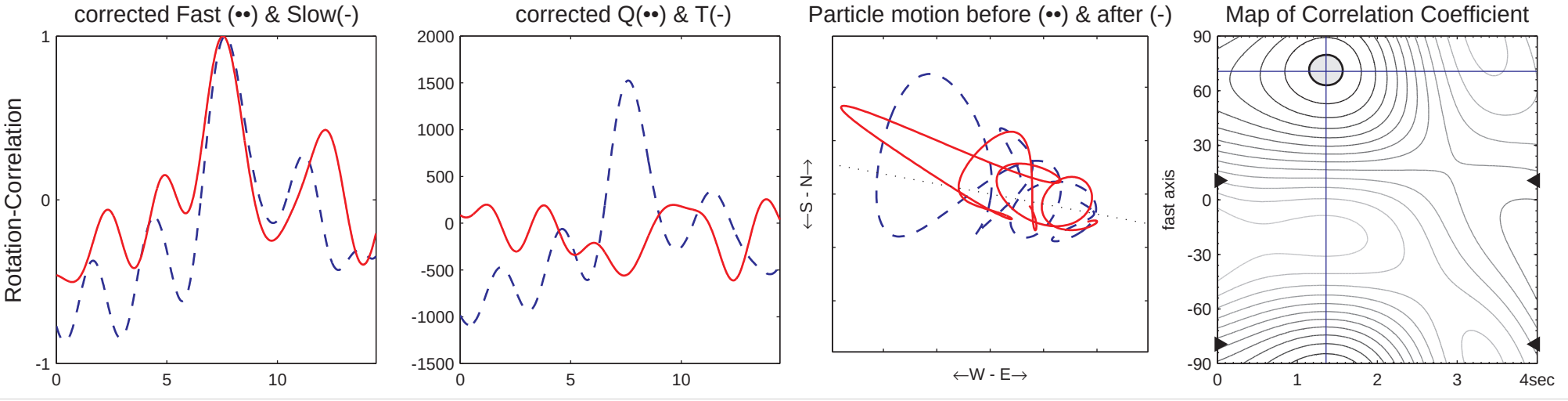


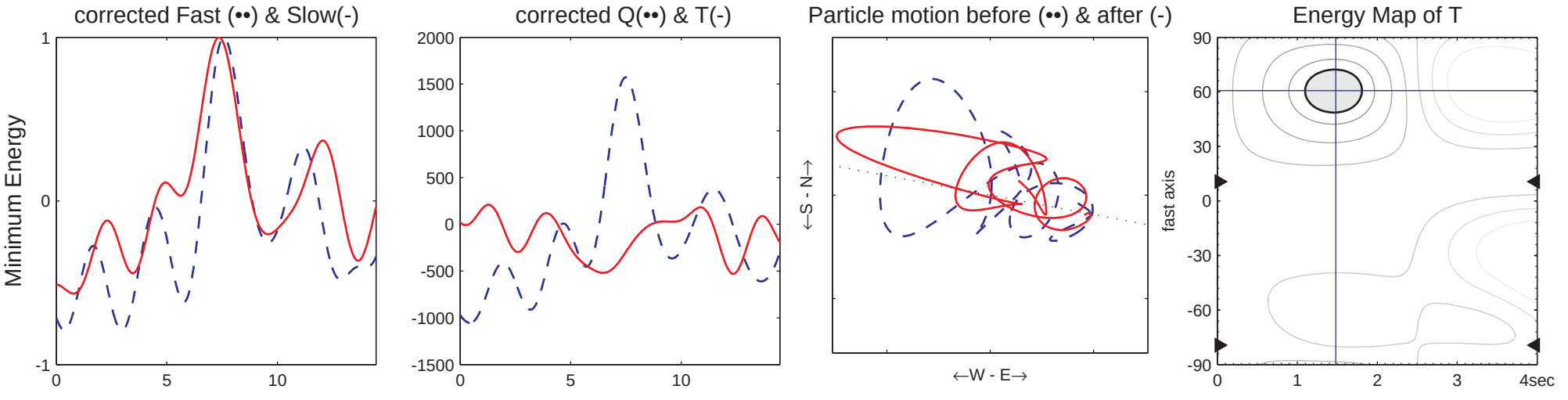
Event: **09-Feb-2009 (040) 14:09 -6.57N -81.15E 15km Mw=6.0**
Station: **AFSR** Backazimuth: **280.7”** Distance: **112.79”**
init.Pol.: **110.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

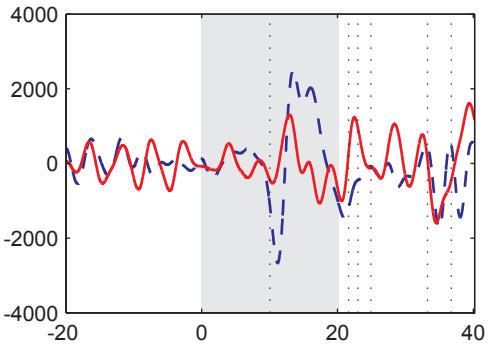
Rotation Correlation:	63<	71° <	80	1.2<1.4s<1.6
Minimum Energy:	50<	61° <	72	1.1<1.5s<1.8
Eigenvalue:	54<	65° <	78	1.2<1.5s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





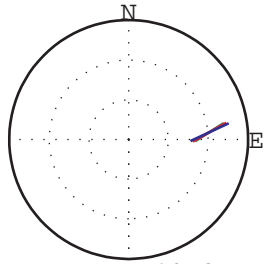


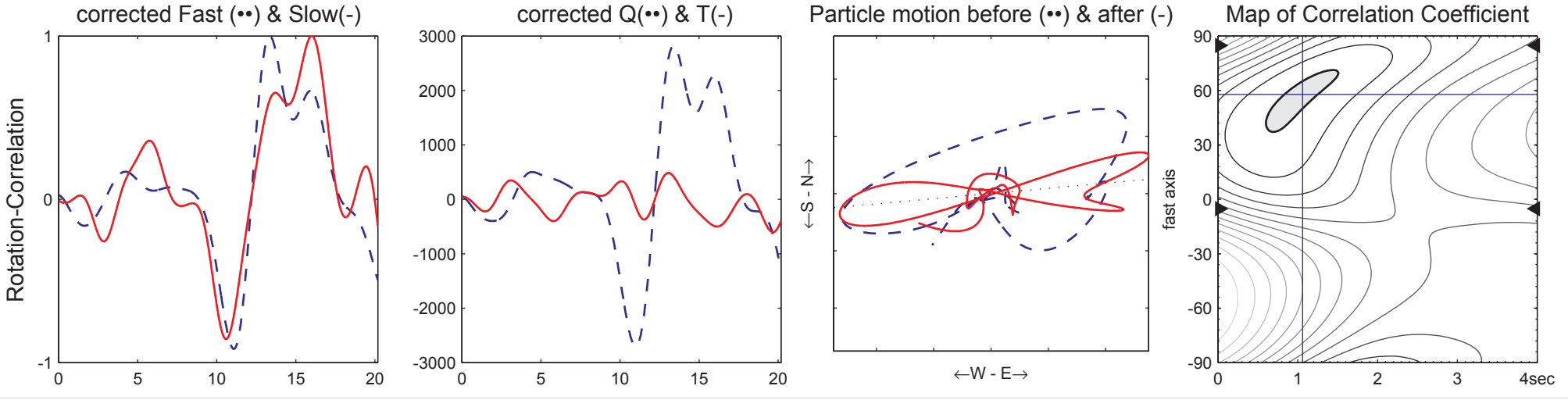


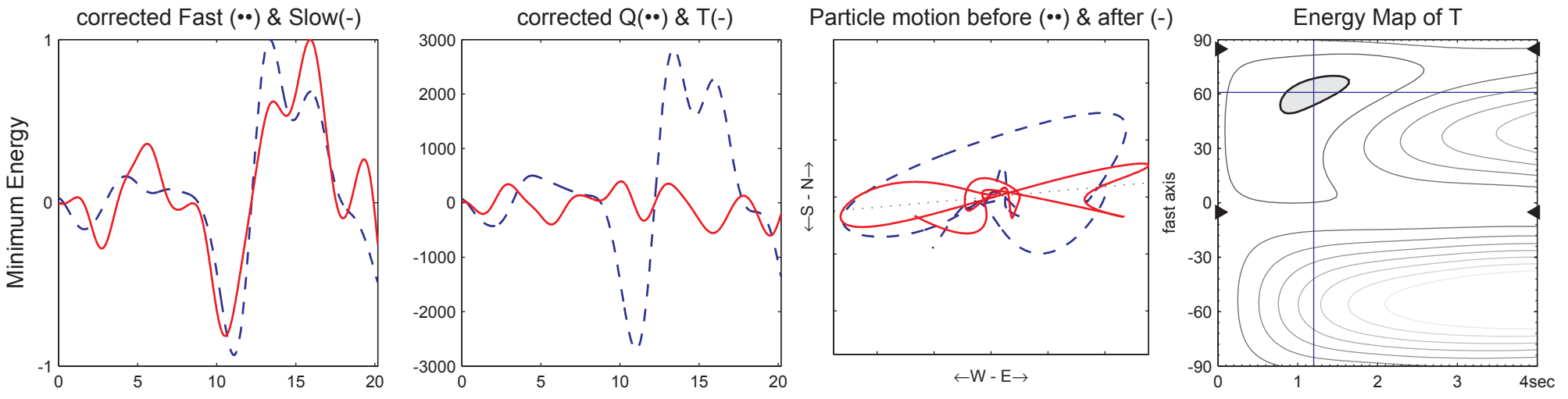
Event: **12-Feb-2009 (043) 03:49** **3.95N 126.41E** **26km** Mw=**6.0**
Station: **AFSR** Backazimuth: **84.8”** Distance: **90.07”**
init.Pol.: **267.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.4**

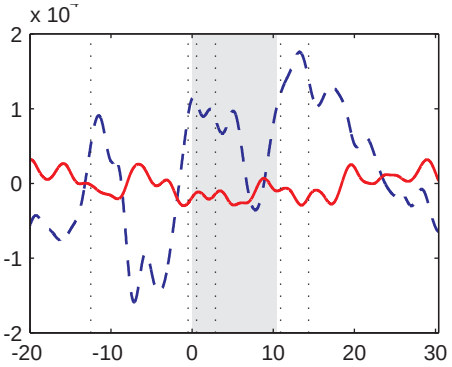
Rotation Correlation:	37<	58° <	71	0.6<1.1s<1.5
Minimum Energy:	50<	61° <	70	0.8<1.2s<1.6
Eigenvalue:	48<	65° <	76	0.8<1.3s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





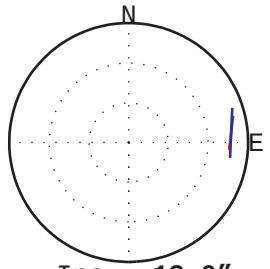




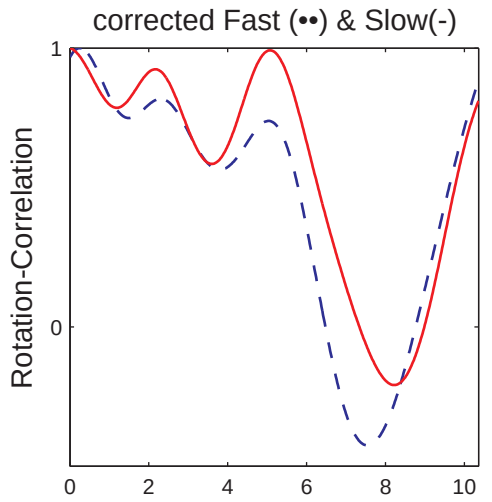
Event: **12-Feb-2009 (043) 13:15** **4.04N 126.55E** **27km** Mw=**6.3**
Station: **AFSR** Backazimuth: **84.7”** Distance: **90.12”**
init.Pol.: **262.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.3**

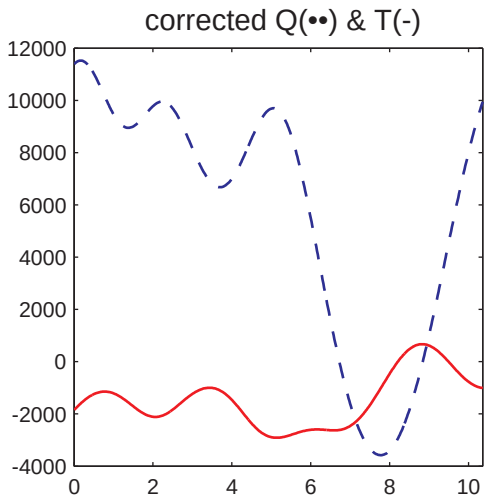
Rotation Correlation:	-Inf<	51° < Inf	0.0<0.0s<Inf
Minimum Energy:	-Inf<	7° < Inf	0.0<1.1s<Inf
Eigenvalue:	-11<	3° < -90	0.0<1.6s<4.0

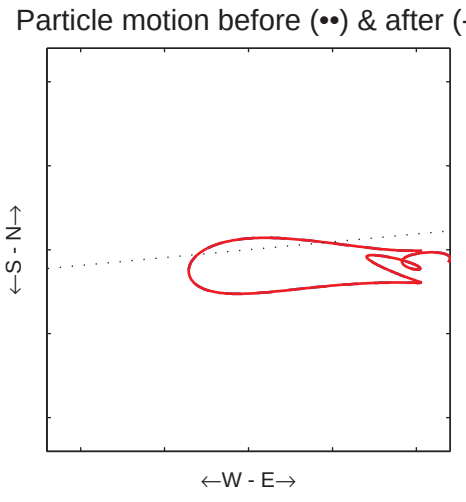
Quality: **good** IsNull: **Yes** Phase: **SKKS**

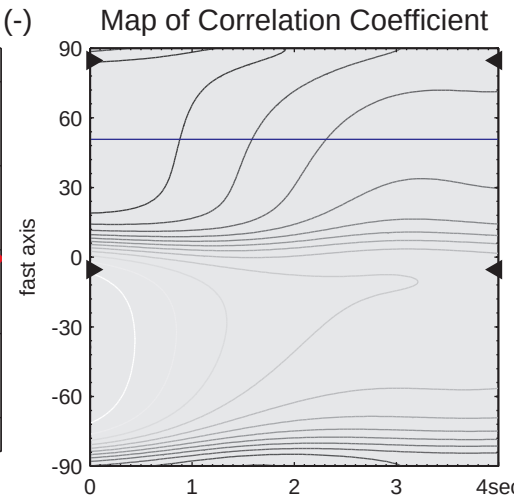


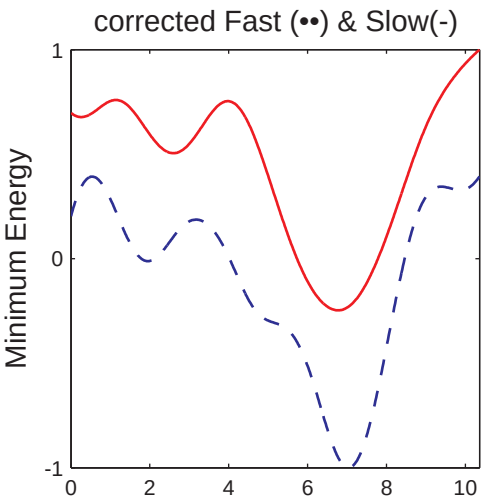
Inc = **13.0”**

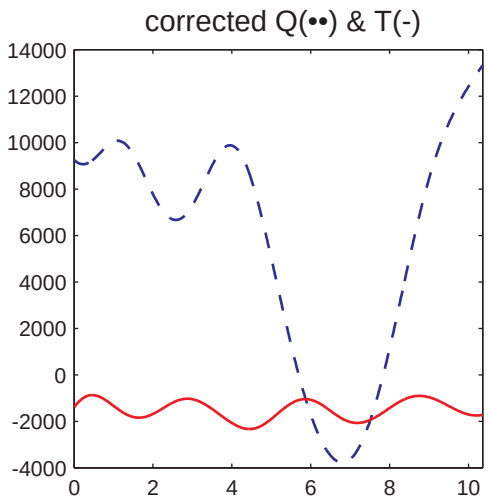


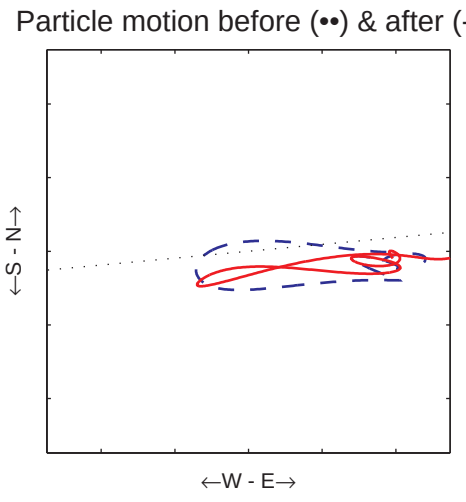


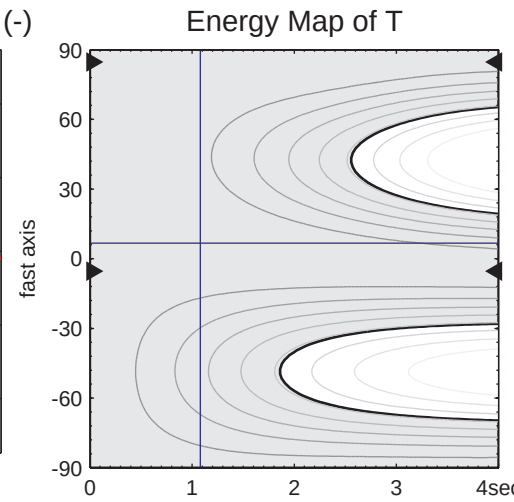


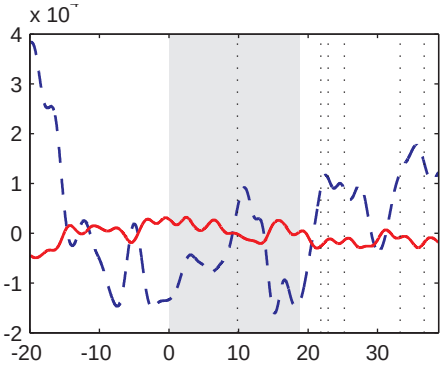








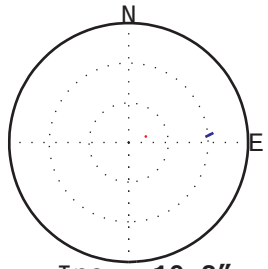




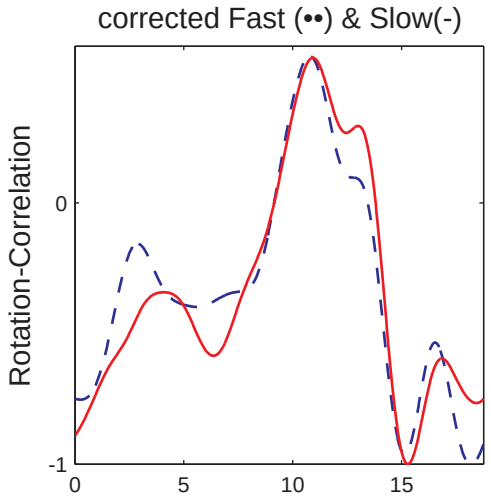
Event: **12-Feb-2009 (043) 13:15 4.04N 126.55E 27km Mw=6.3**
Station: **AFSR** Backazimuth: **84.7”** Distance: **90.12”**
init.Pol.: **272.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

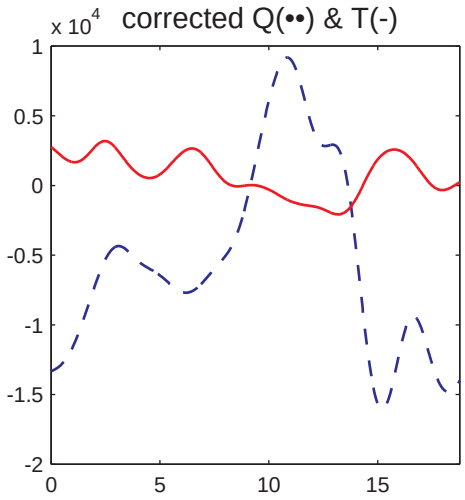
Rotation Correlation:	31<	48° <	67	0.0<0.0s<0.2
Minimum Energy:	88<	89° <	-90	2.6<4.0s<4.0
Eigenvalue:	-Inf<	63° <	Inf	0.0<0.3s<Inf

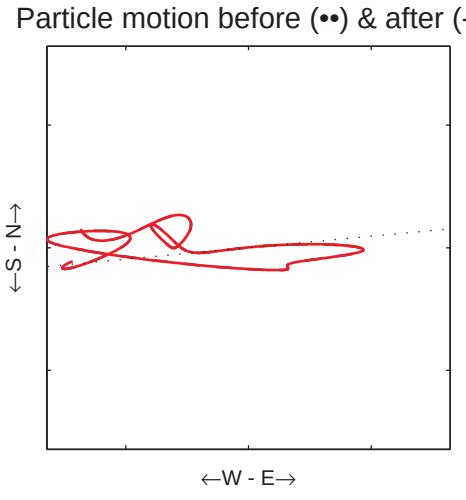
Quality: **good** IsNull: **Yes** Phase: **SKS**

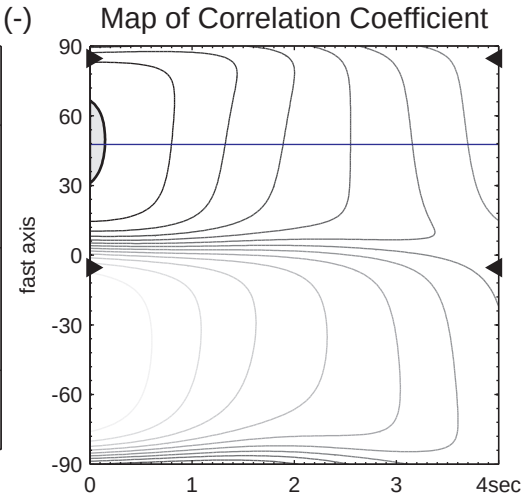


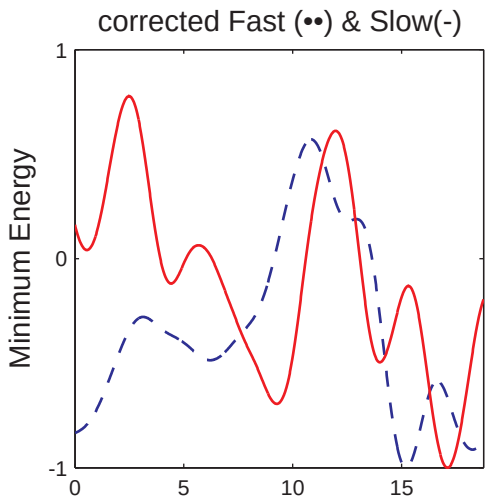
Inc = **10.2”**

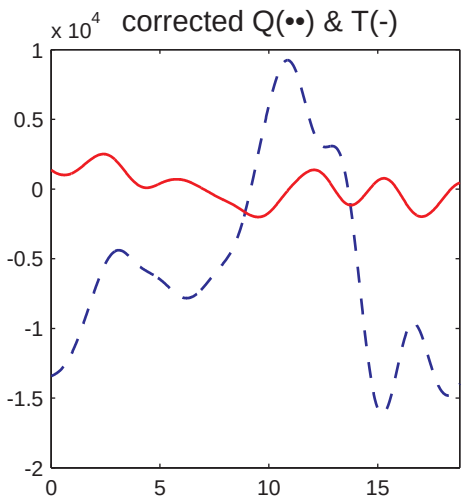


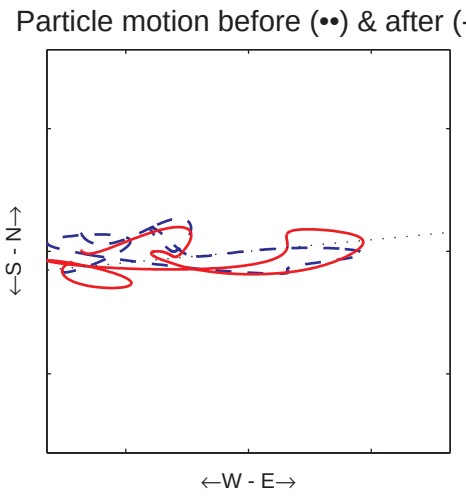


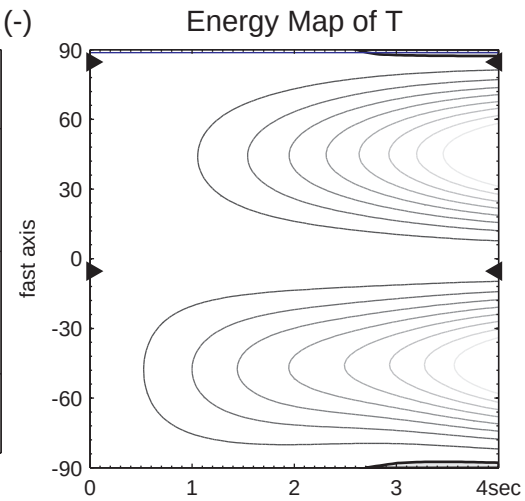


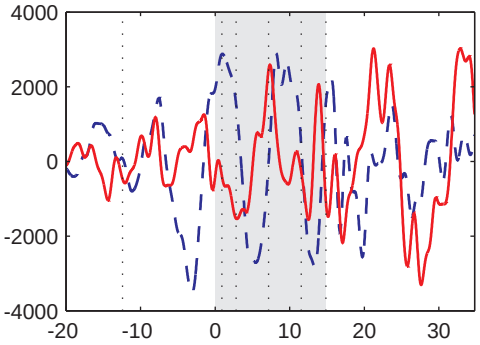








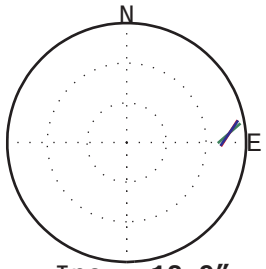




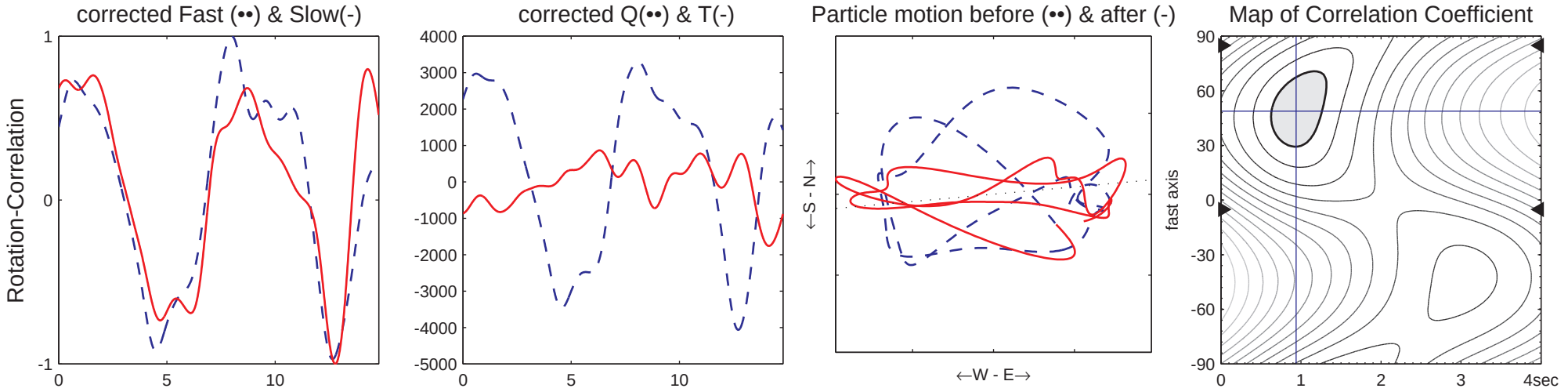
Event: **16-Mar-2009 (075) 14:15 3.81N 126.55E 35km Mw=6.3**
Station: **AFSR** Backazimuth: **84.8”** Distance: **90.26”**
init.Pol.: **266.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

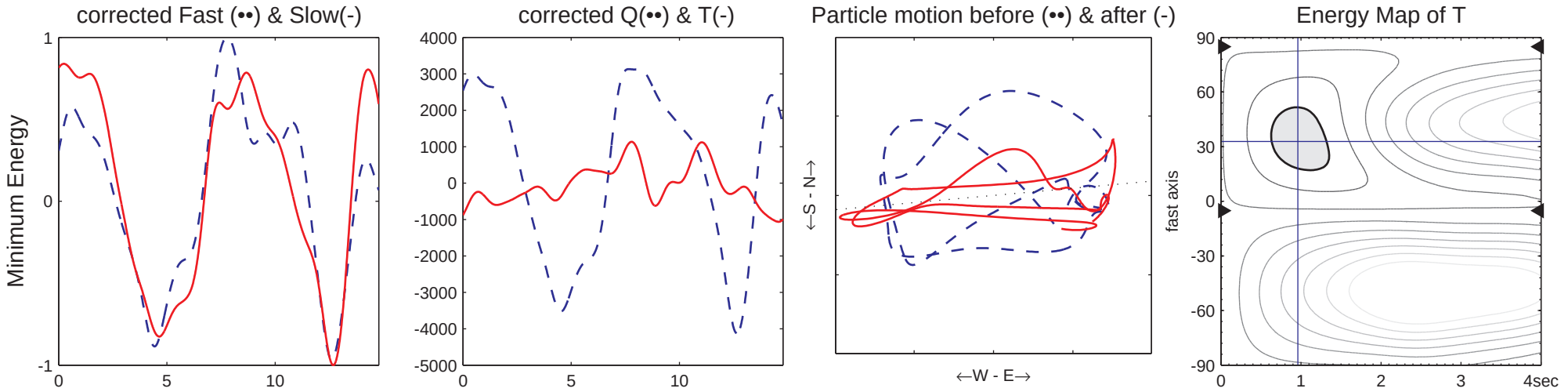
Rotation Correlation:	30<	49° <	71	0.6<0.9s<1.3
Minimum Energy:	17<	33° <	52	0.6<1.0s<1.4
Eigenvalue:	9<	35° <	66	0.6<1.0s<1.4

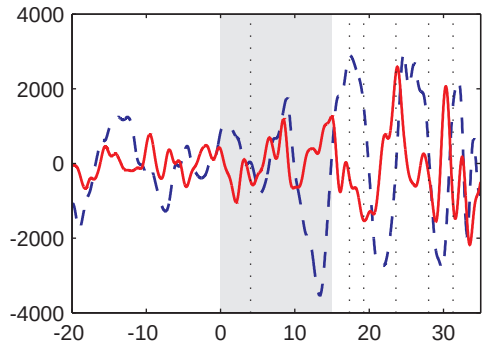
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.9”**



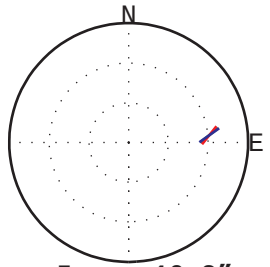




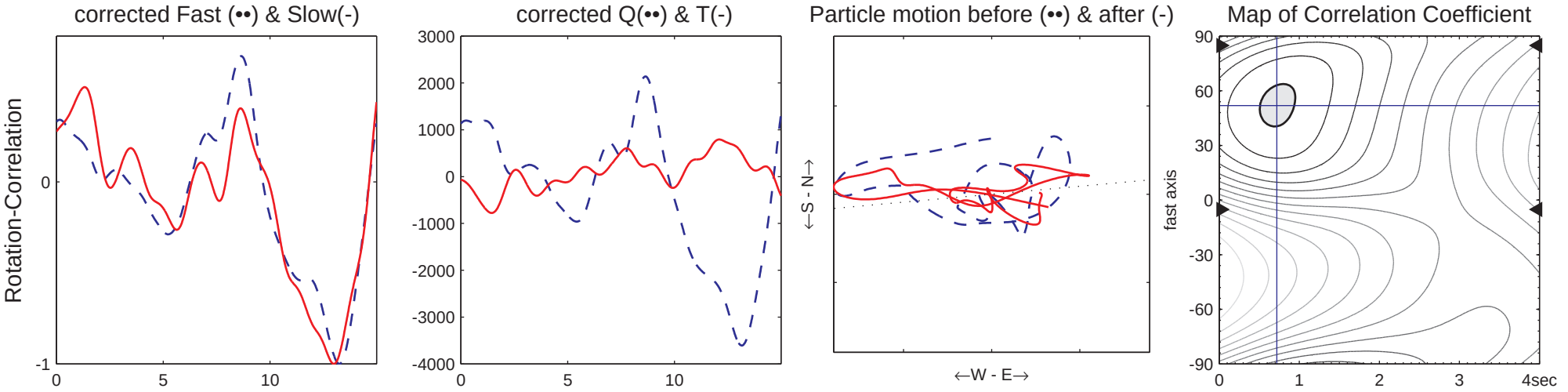
Event: **16-Mar-2009 (075) 14:15 3.81N 126.55E 35km Mw=6.3**
Station: **AFSR** Backazimuth: **84.8”** Distance: **90.26”**
init.Pol.: **273.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

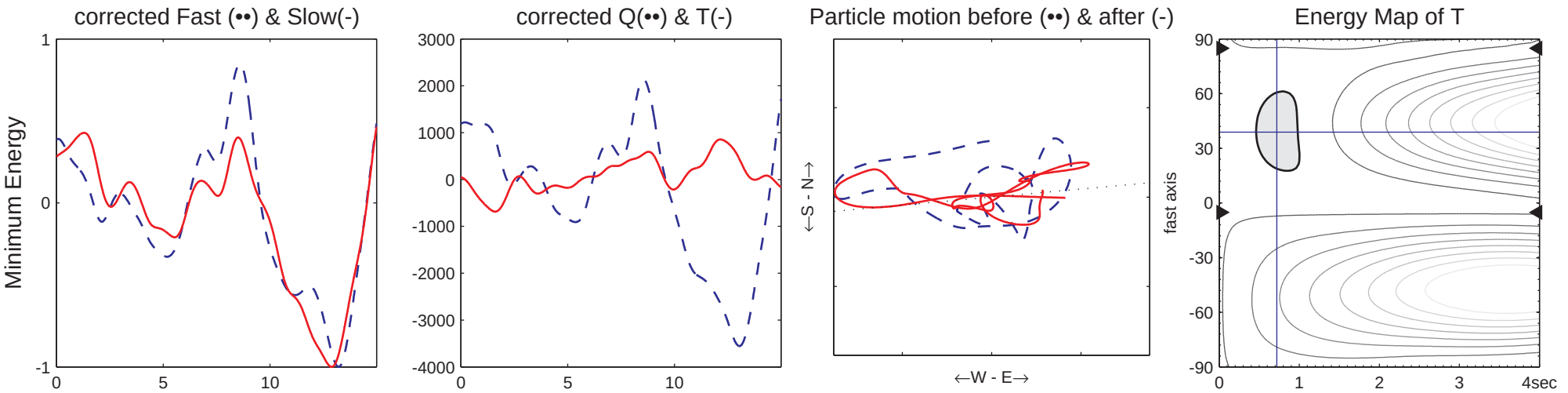
Rotation Correlation:	41<	52° <	64	0.5<0.7s<1.0
Minimum Energy:	17<	39° <	62	0.5<0.7s<1.0
Eigenvalue:	33<	55° <	76	0.5<0.8s<1.1

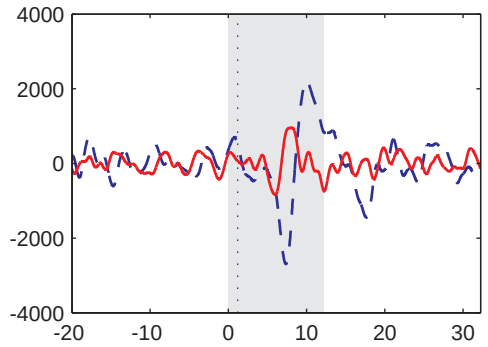
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.2”**



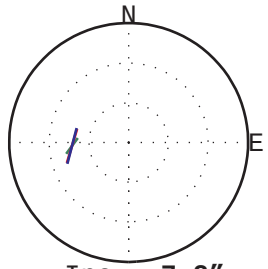


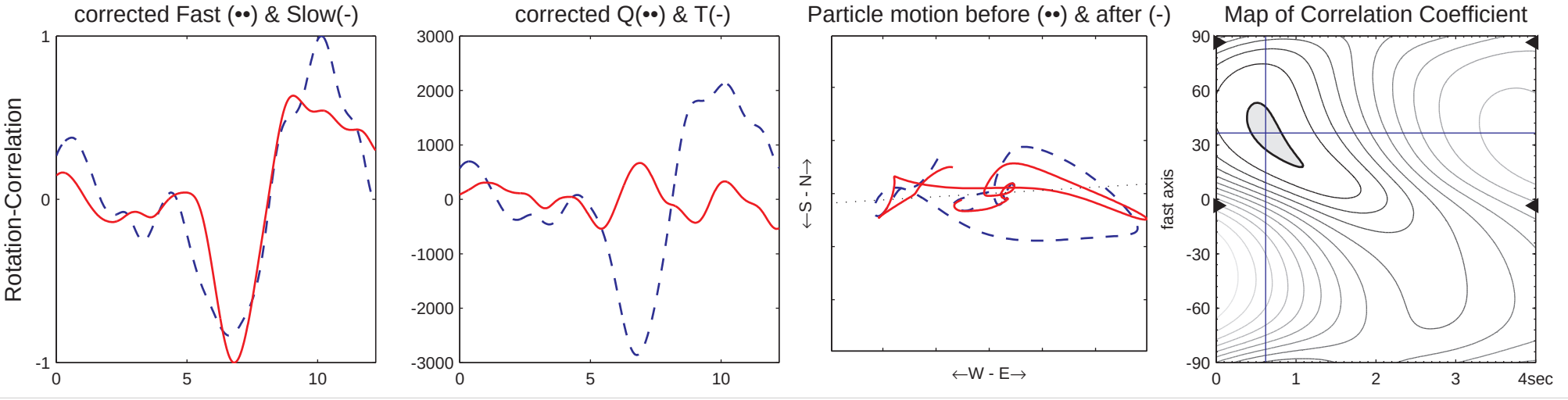


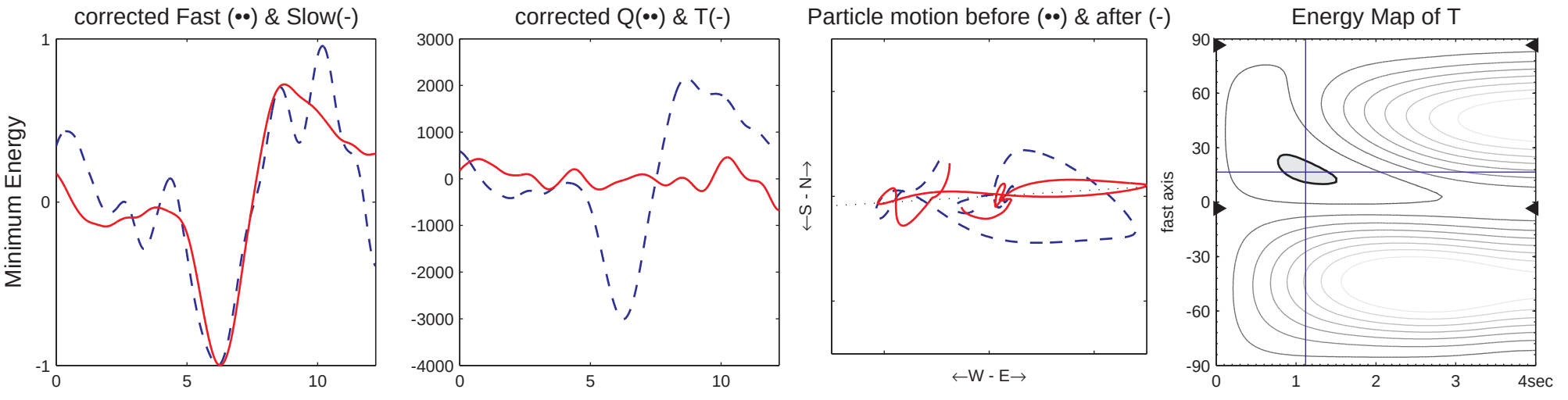
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **AFSR** Backazimuth: **266.5”** Distance: **109.83”**
init.Pol.: **85.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.0**

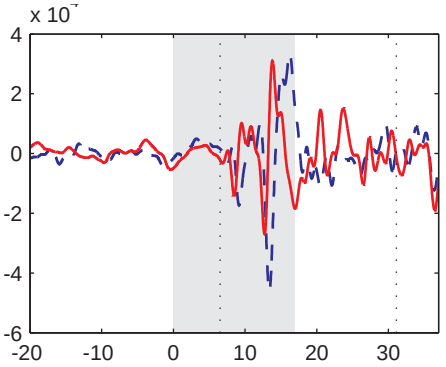
Rotation Correlation:	18<	37° <	53	0.4<0.6s<1.1
Minimum Energy:	9<	17° <	25	0.8<1.1s<1.5
Eigenvalue:	5<	15° <	27	0.8<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





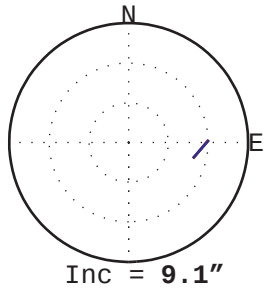


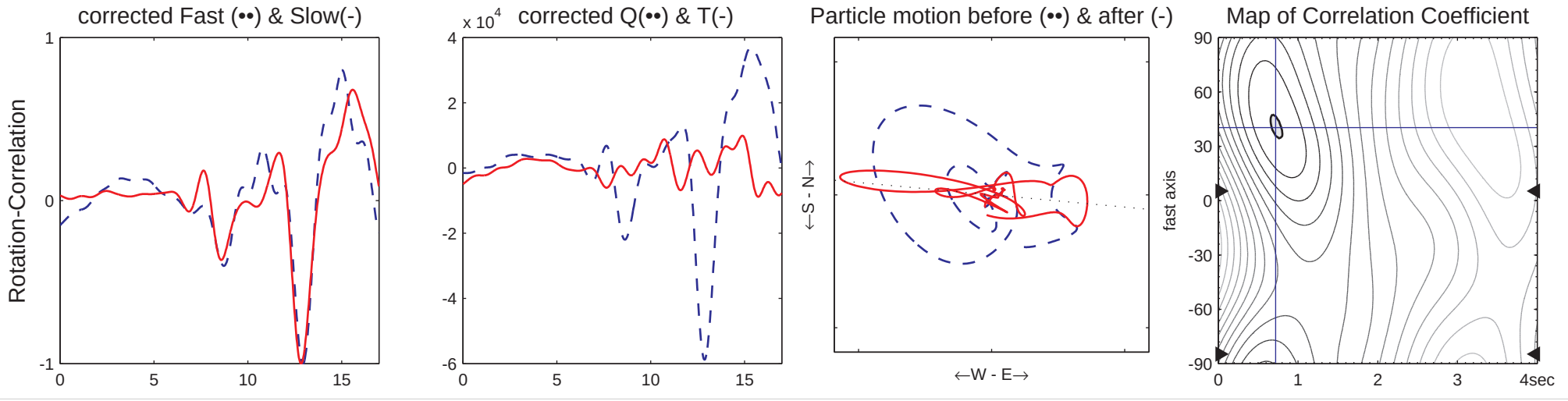


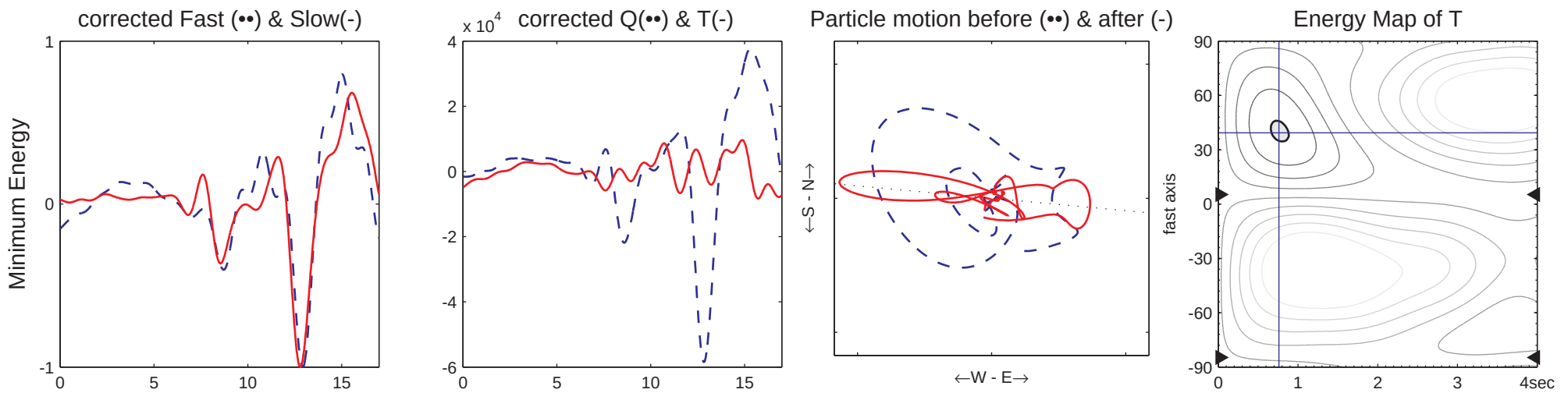
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **AFSR** Backazimuth: **95.3”** Distance: **94.81”**
init.Pol.: **276.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.3**

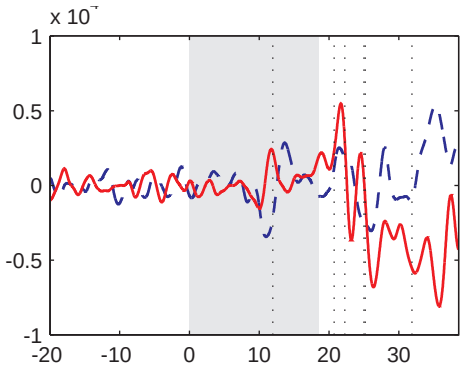
Rotation Correlation:	35<	40° <	48	0.6<0.7s<0.8
Minimum Energy:	35<	39° <	46	0.6<0.8s<0.9
Eigenvalue:	31<	41° <	56	0.6<0.8s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





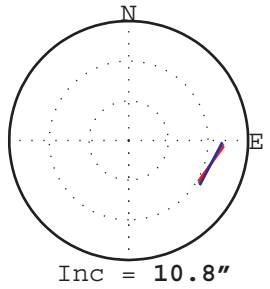


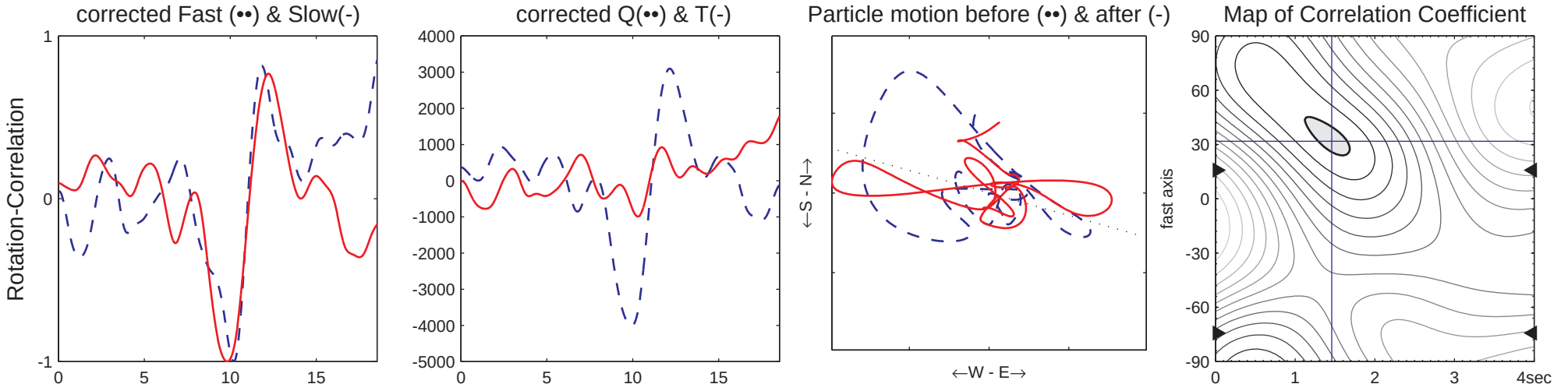


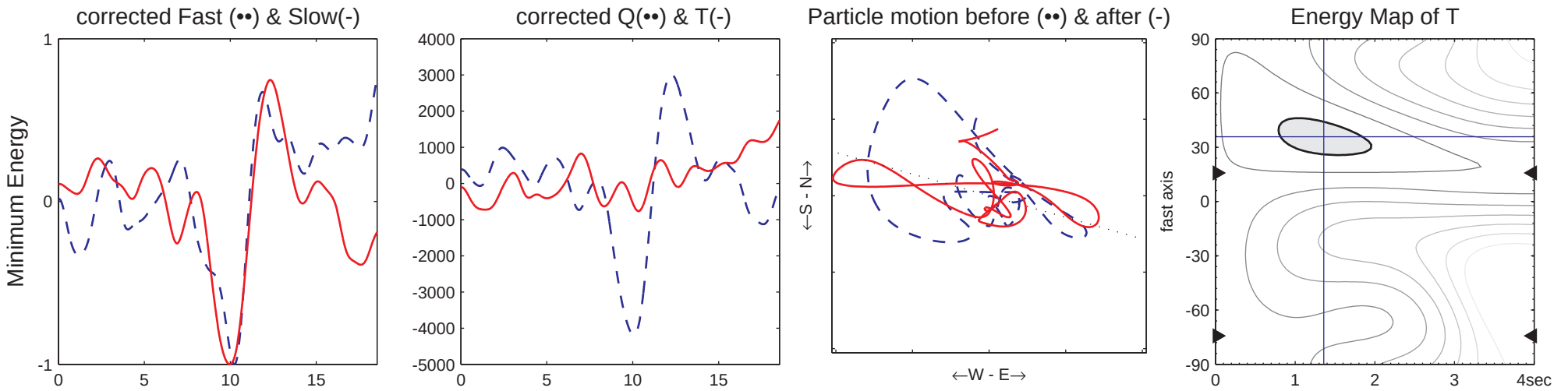
Event: **07-Sep-2009 (250) 16:12 -10.20N 110.63E 23km** Mw=**6.2**
Station: **AFSR** Backazimuth: **105.8”** Distance: **87.06”**
init.Pol.: **274.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

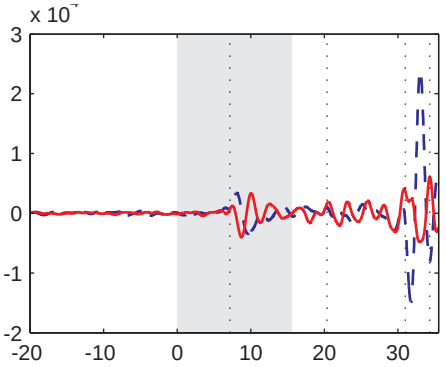
Rotation Correlation:	24<	32° <	45 1.1<1.5s<1.7
Minimum Energy:	25<	36° <	46 0.8<1.4s<2.0
Eigenvalue:	13<	28° <	46 0.9<1.5s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





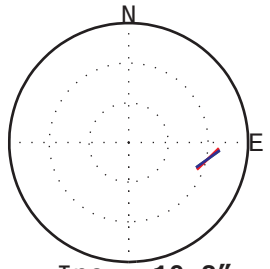


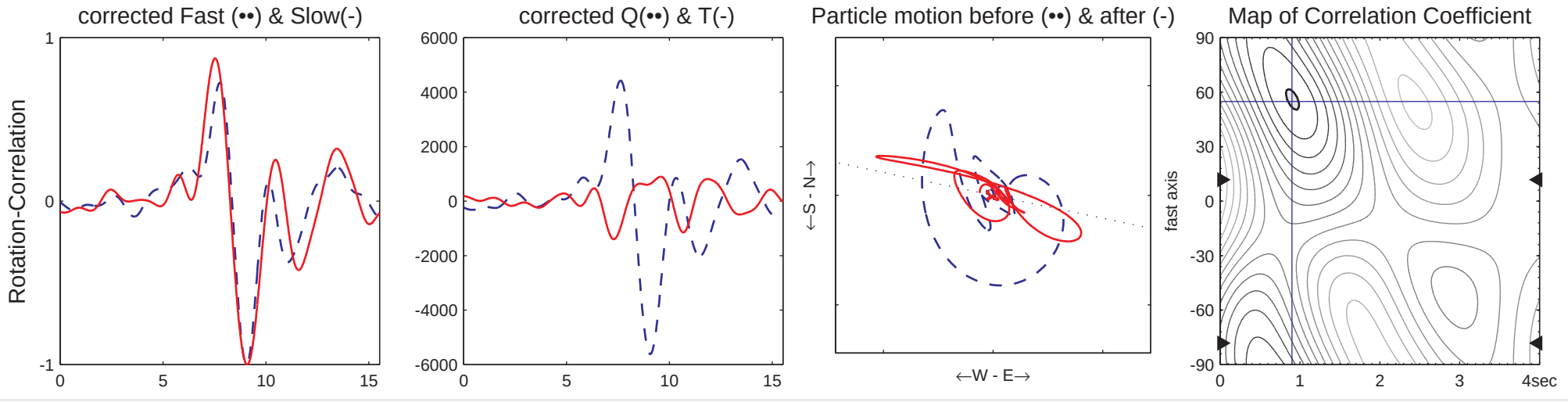


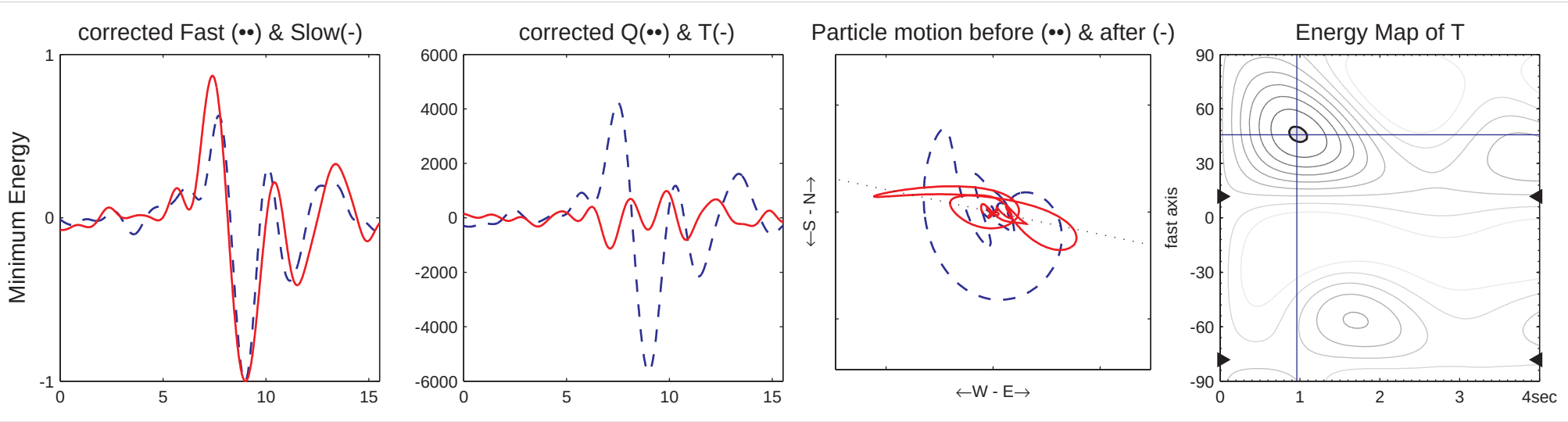
Event: **18-Sep-2009 (261) 23:06 -9.14N 115.59E 79km Mw=5.7**
Station: **AFSR** Backazimuth: **101.8”** Distance: **90.10”**
init.Pol.: **292.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.2**

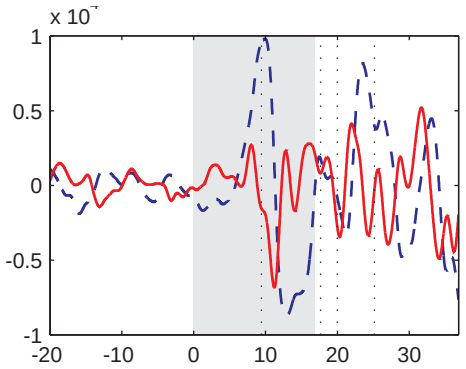
Rotation Correlation:	50<	55° <	62	0.8<0.9s<1.0
Minimum Energy:	41<	46° <	50	0.9<1.0s<1.1
Eigenvalue:	48<	54° <	62	0.8<0.9s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





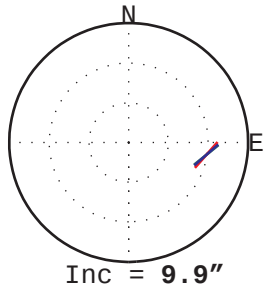


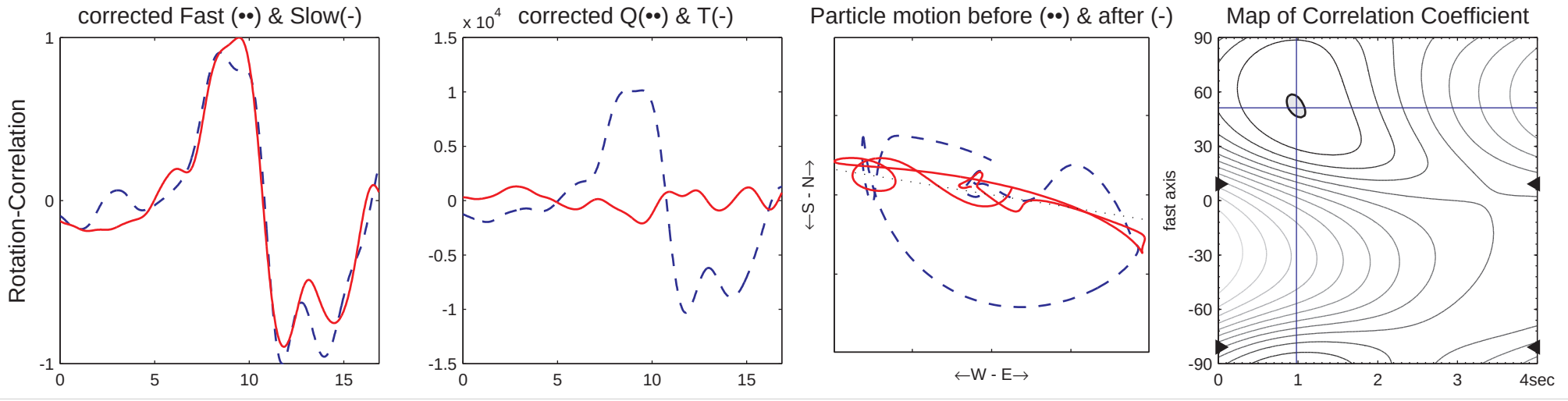


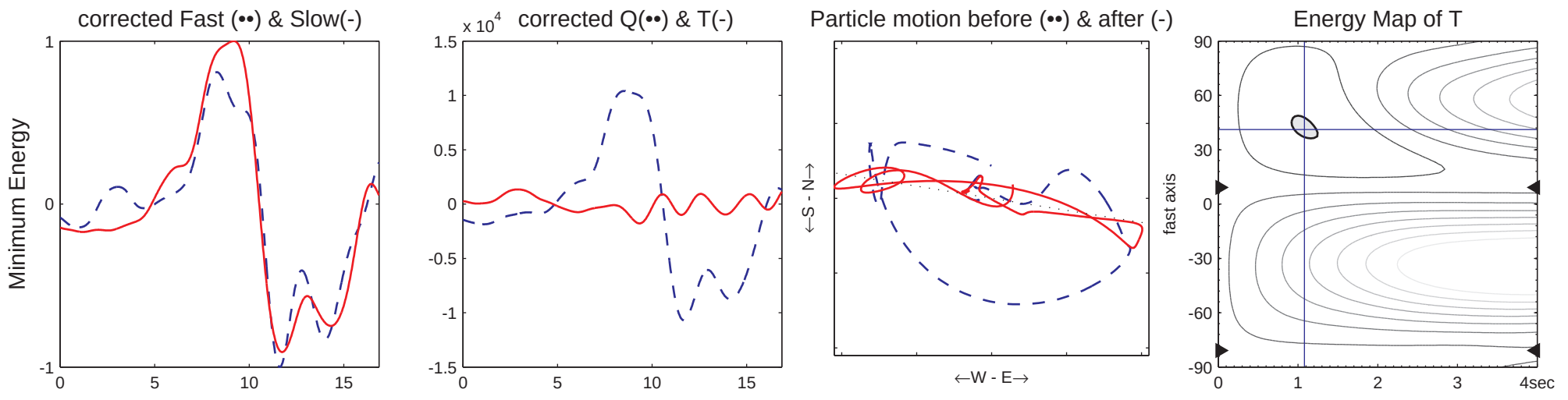
Event: **08-Nov-2009 (312) 19:41 -8.21N 118.63E 18km Mw=6.6**
Station: **AFSR** Backazimuth: **99.1”** Distance: **91.81”**
init.Pol.: **283.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.4**

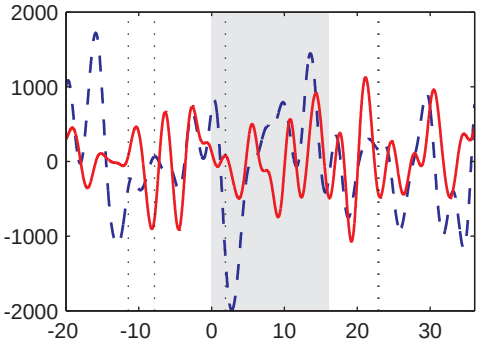
Rotation Correlation:	46<	51° <	59	0.8<1.0s<1.1
Minimum Energy:	35<	41° <	50	0.9<1.1s<1.2
Eigenvalue:	41<	49° <	58	0.9<1.0s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





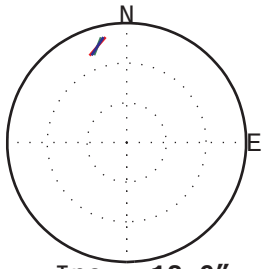




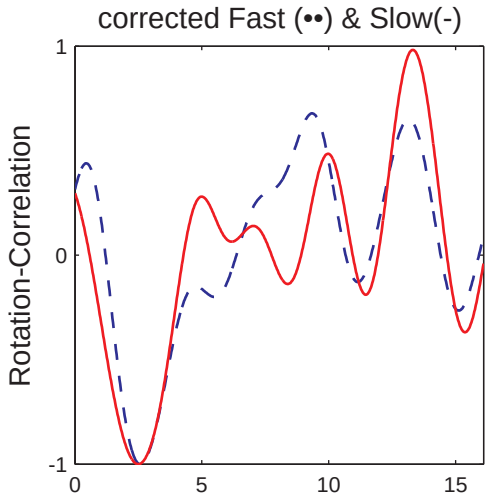
Event: **10-Jan-2010 (010) 00:27 40.65N -124.69E 29km Mw=6.5**
Station: **AFSR** Backazimuth: **343.2”** Distance: **97.38”**
init.Pol.: **157.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.5**

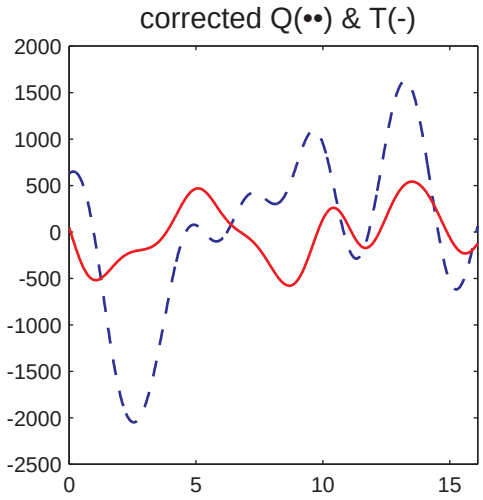
Rotation Correlation:	14<	22° <	32	0.4<0.6s<0.8
Minimum Energy:	19<	41° <	58	0.4<0.8s<1.2
Eigenvalue:	3<	33° <	56	0.4<0.7s<1.1

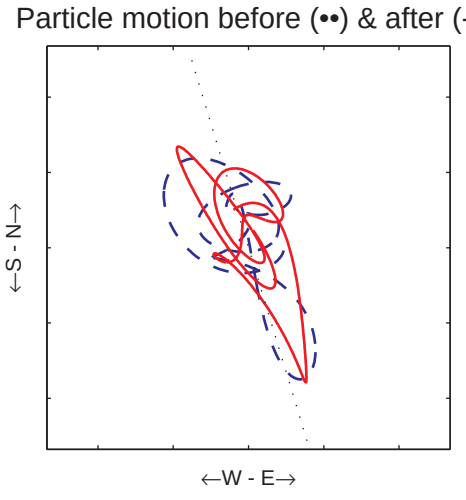
Quality: **fair** IsNull: **No** Phase: **SKKS**

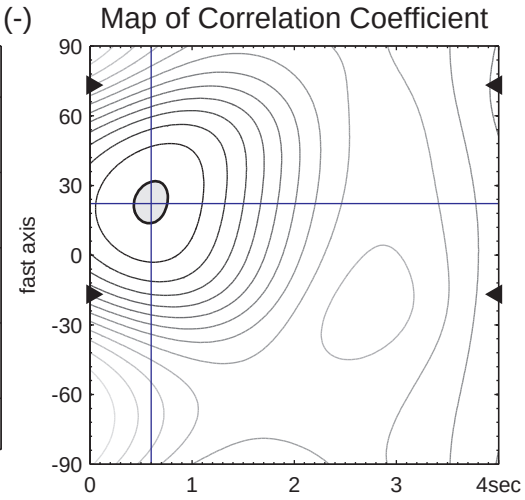


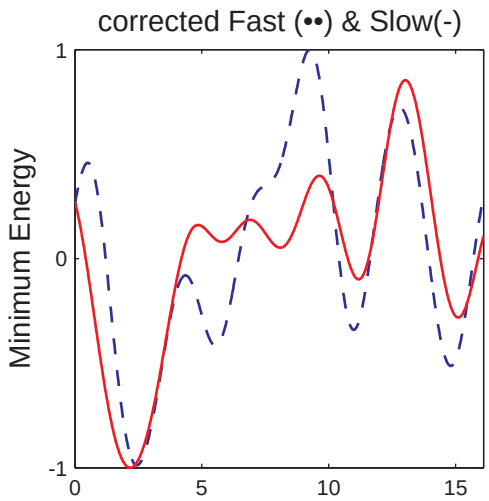
Inc = **12.6”**

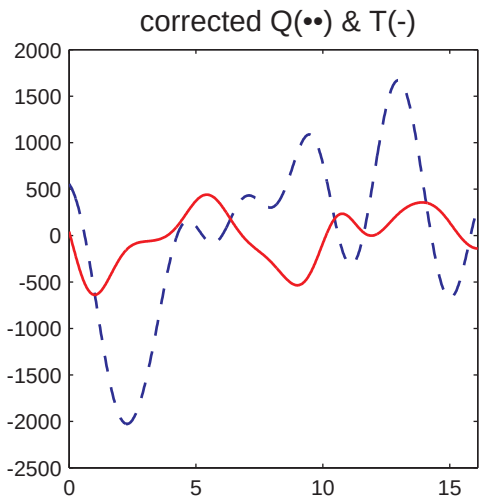


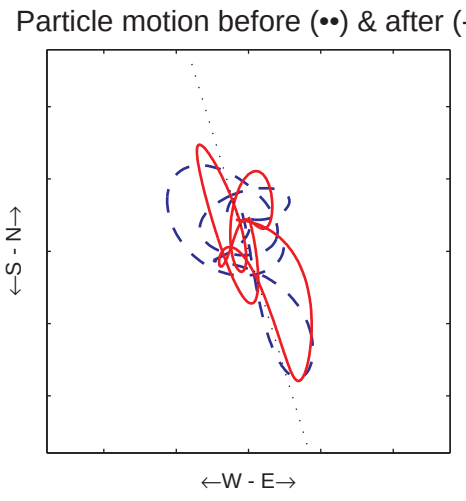


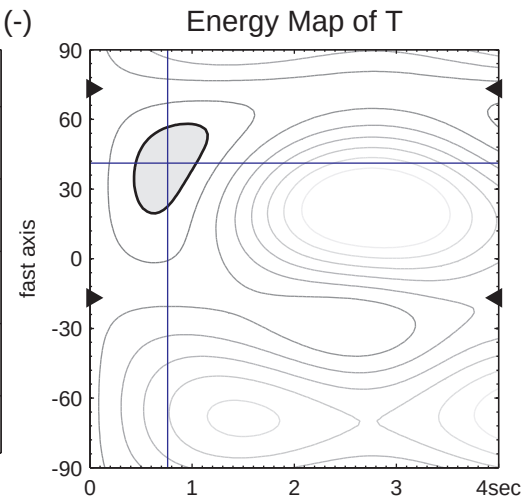


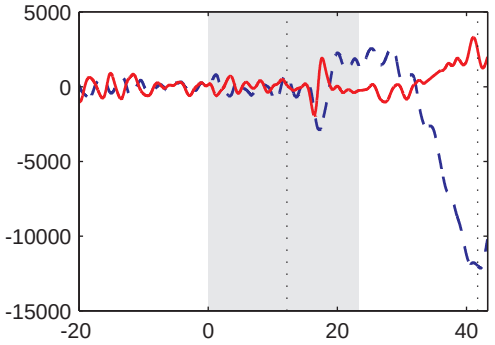








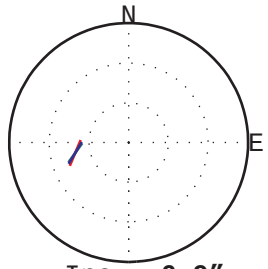




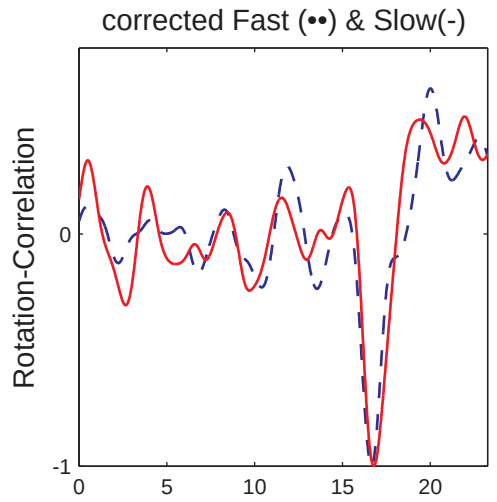
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km Mw=6.3**
Station: **AFSR** Backazimuth: **259.0”** Distance: **112.43”**
init.Pol.: **86.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.8**

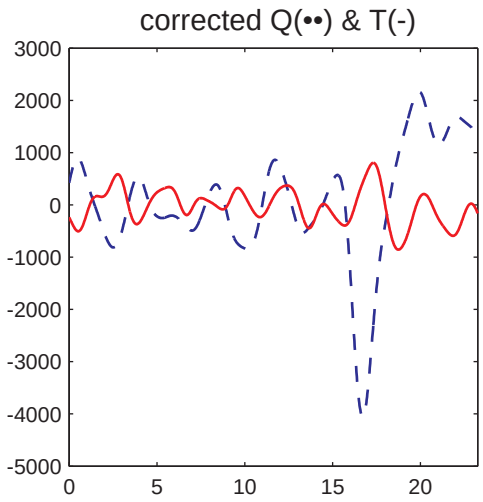
Rotation Correlation:	31<	36° <	43	0.6<0.7s<0.8
Minimum Energy:	15<	23° <	31	0.7<0.9s<1.1
Eigenvalue:	21<	31° <	43	0.6<0.8s<1.0

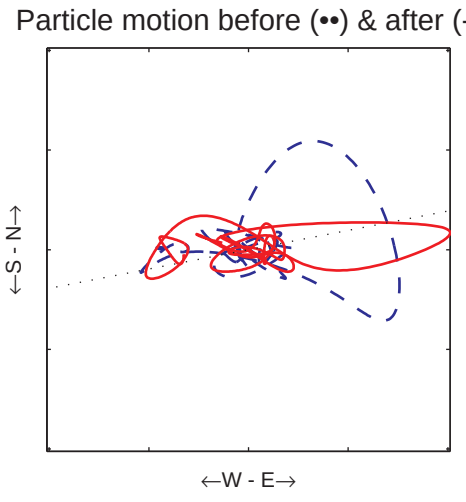
Quality: **fair** IsNull: **No** Phase: **SKS**

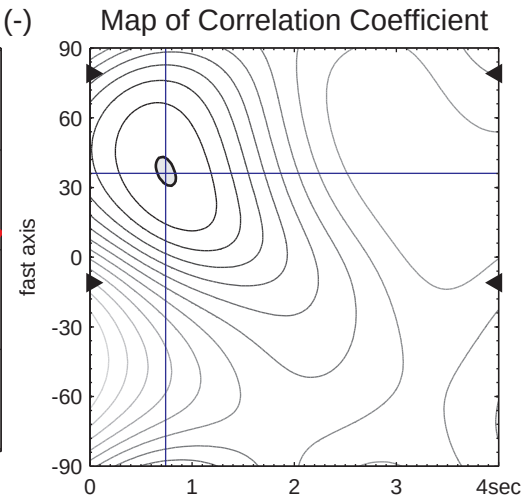


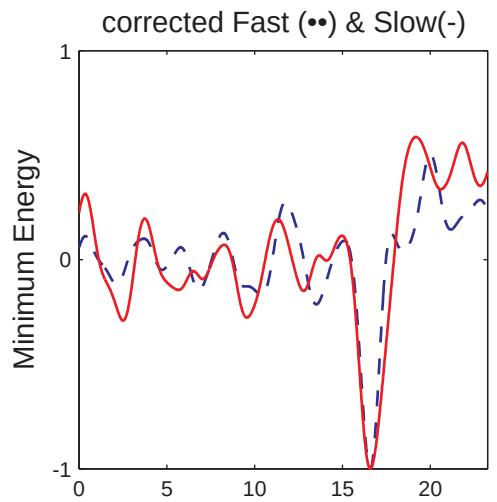
Inc = **6.9”**

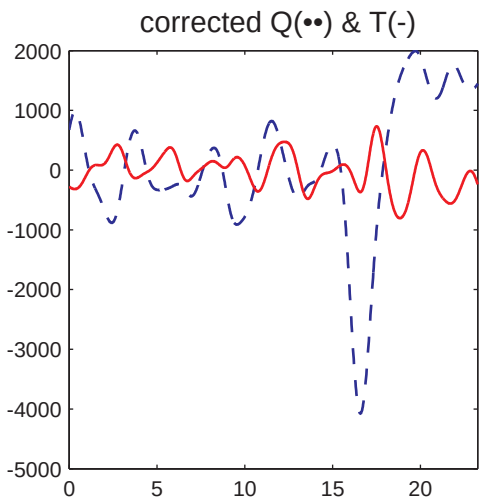


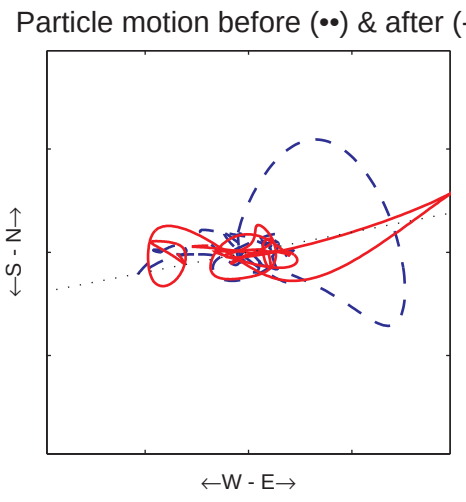


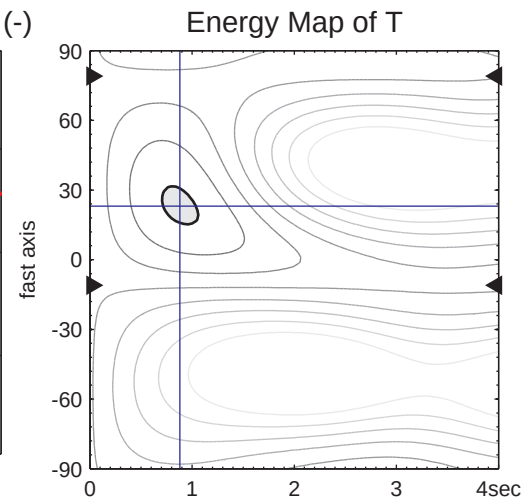


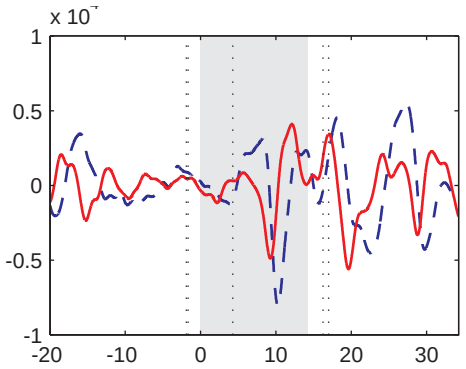








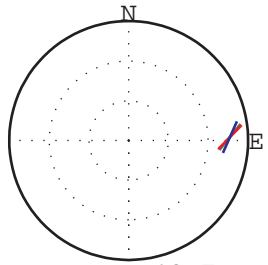




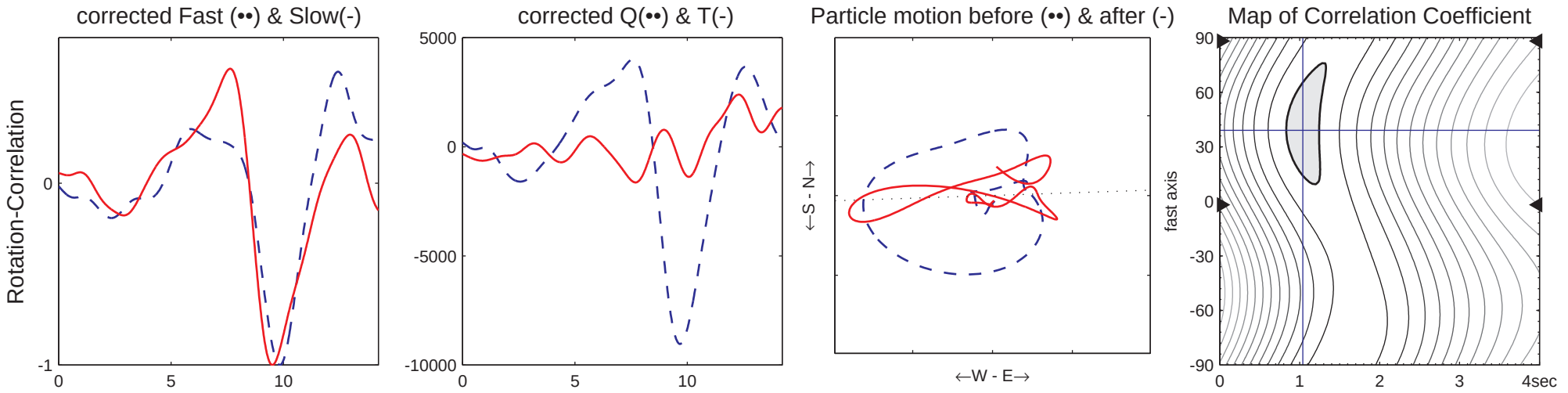
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **AFSR** Backazimuth: **88.1”** Distance: **94.98”**
init.Pol.: **255.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.8**

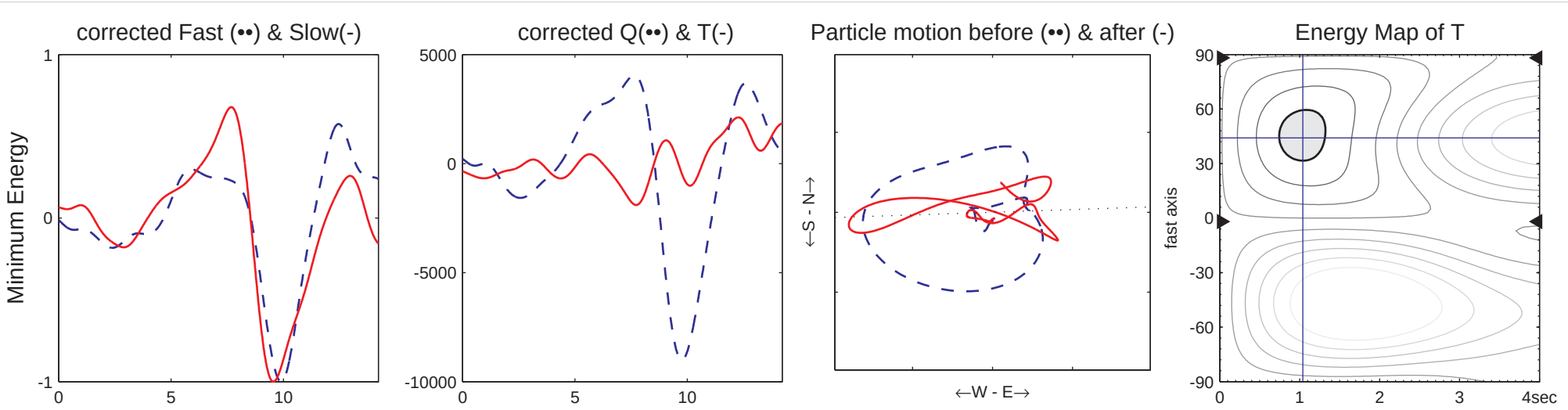
Rotation Correlation:	10<	39° < 76	0.8<1.0s<1.3
Minimum Energy:	31<	44° < 60	0.8<1.0s<1.3
Eigenvalue:	-27<	24° < -78	0.8<1.1s<1.7

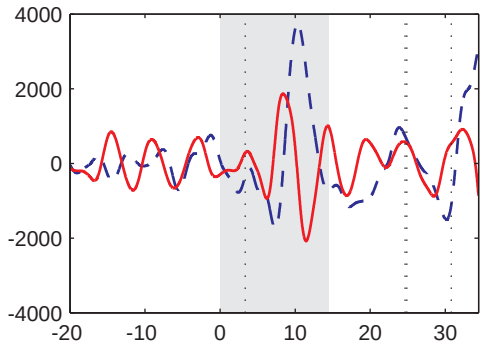
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.7”**



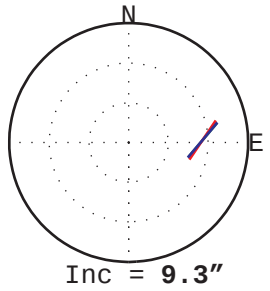


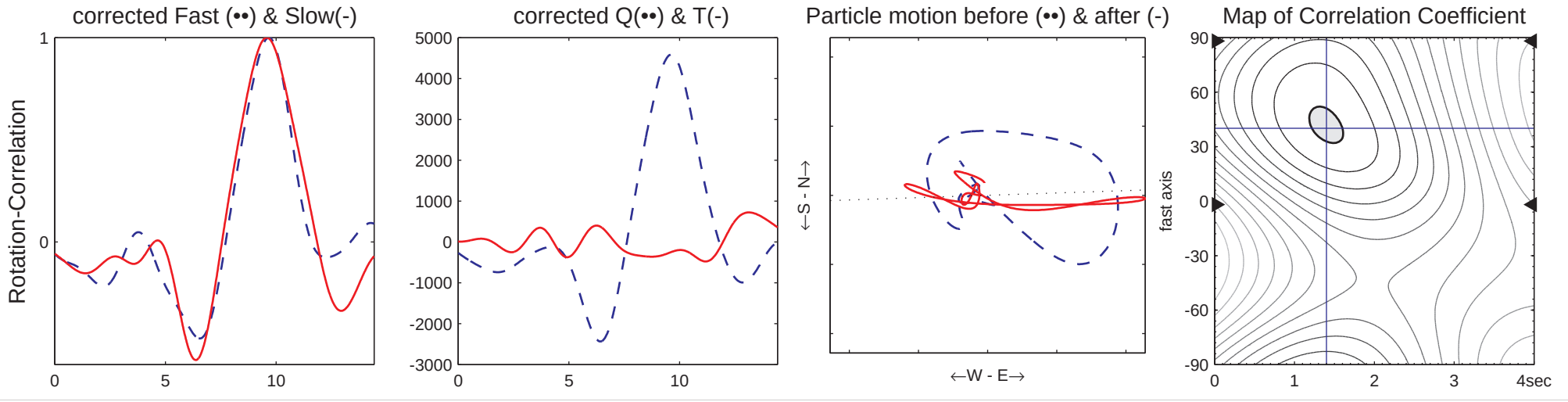


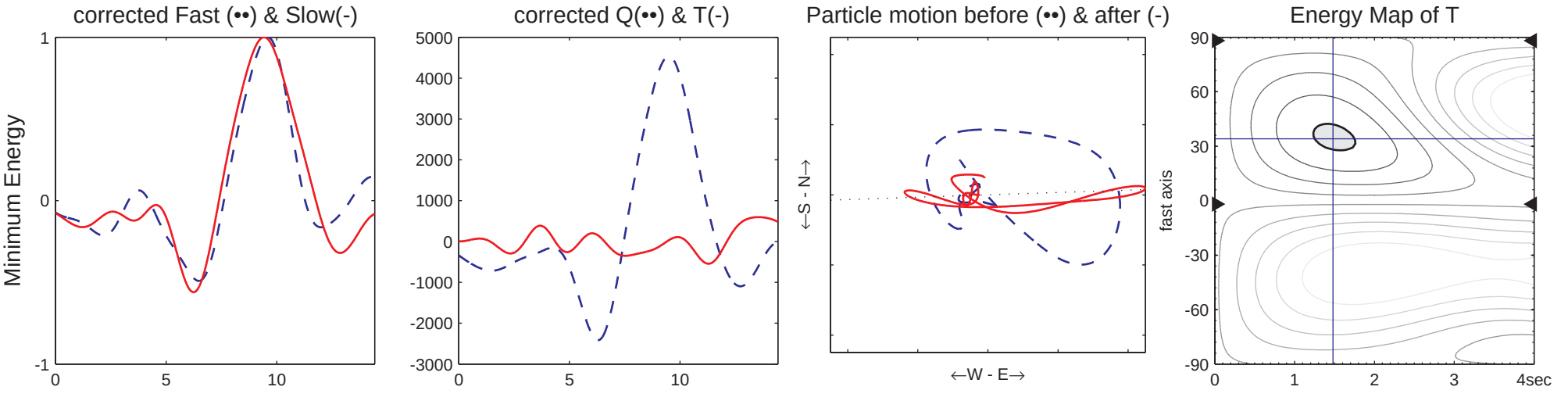
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **AFSR** Backazimuth: **88.1”** Distance: **94.98”**
init.Pol.: **274.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.7**

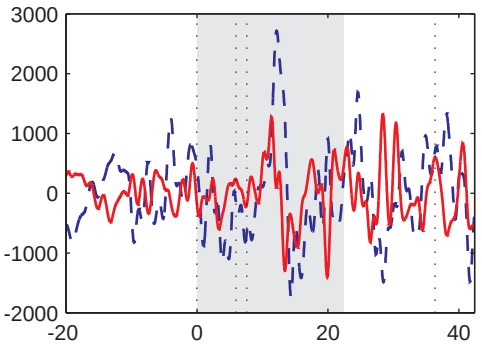
Rotation Correlation:	32<	40° <	52	1.2<1.4s<1.6
Minimum Energy:	27<	34° <	41	1.2<1.5s<1.8
Eigenvalue:	29<	40° <	56	1.2<1.4s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





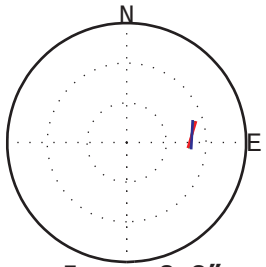


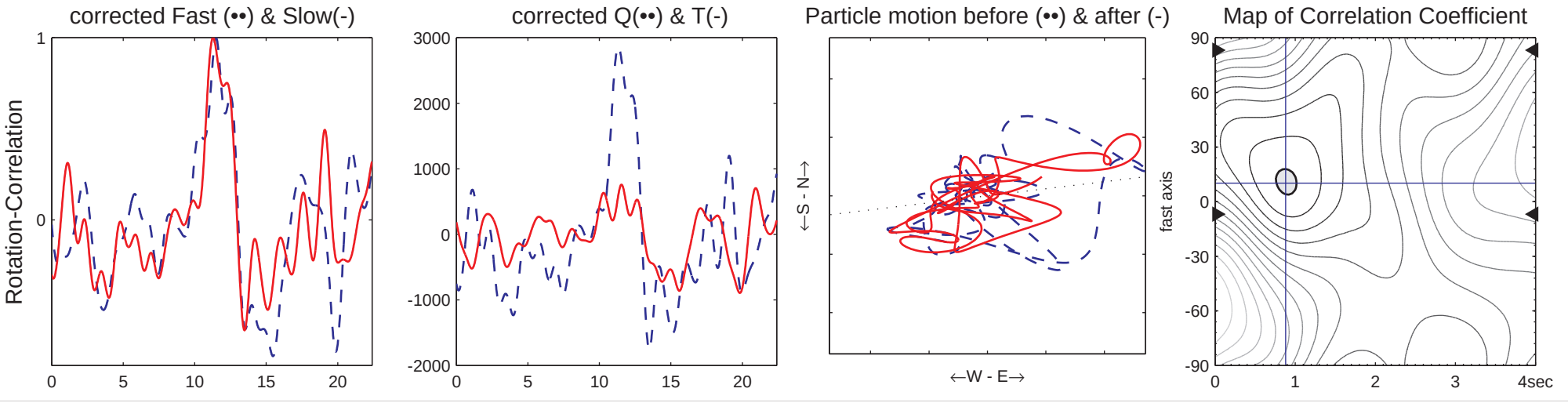


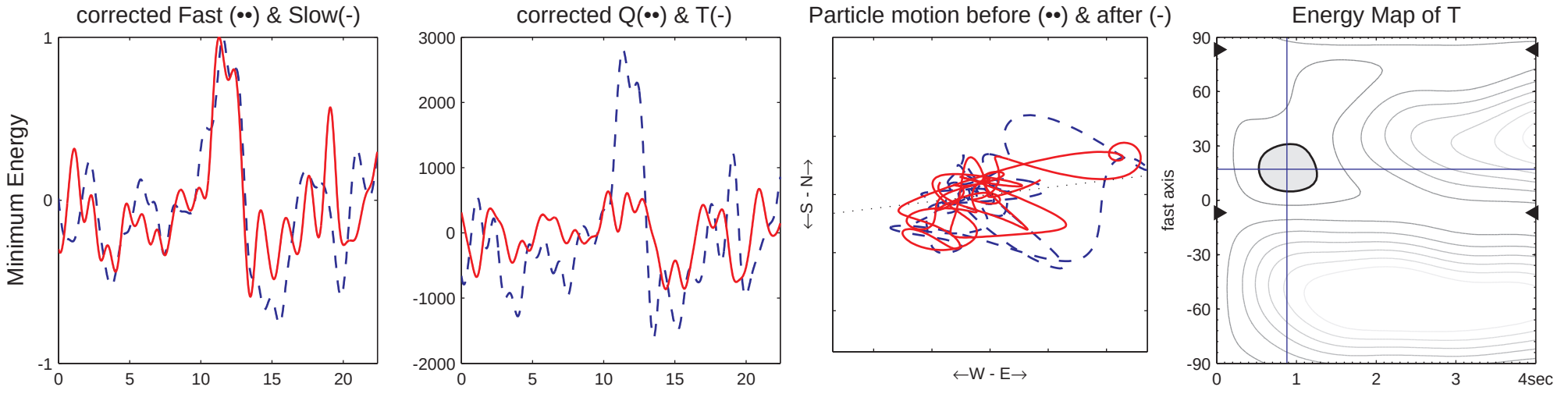
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **AFSR** Backazimuth: **83.1”** Distance: **101.97”**
init.Pol.: **245.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

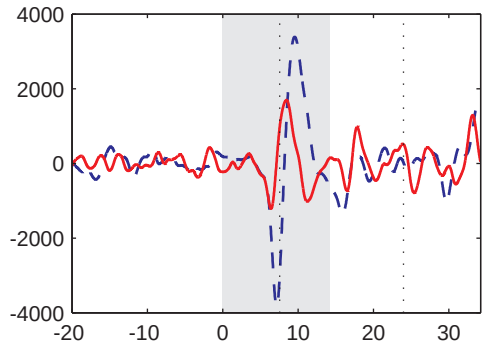
Rotation Correlation:	4<	10° <	18	0.8<0.9s<1.0
Minimum Energy:	5<	17° <	31	0.5<0.9s<1.2
Eigenvalue:	-9<	3° <	15	0.7<0.9s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





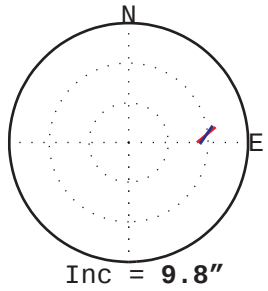


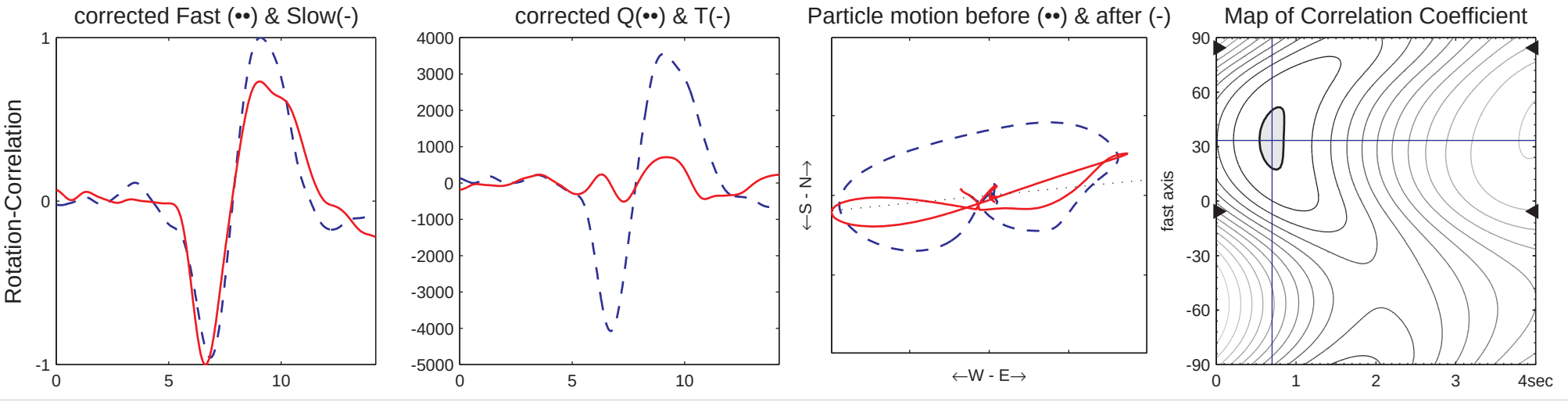


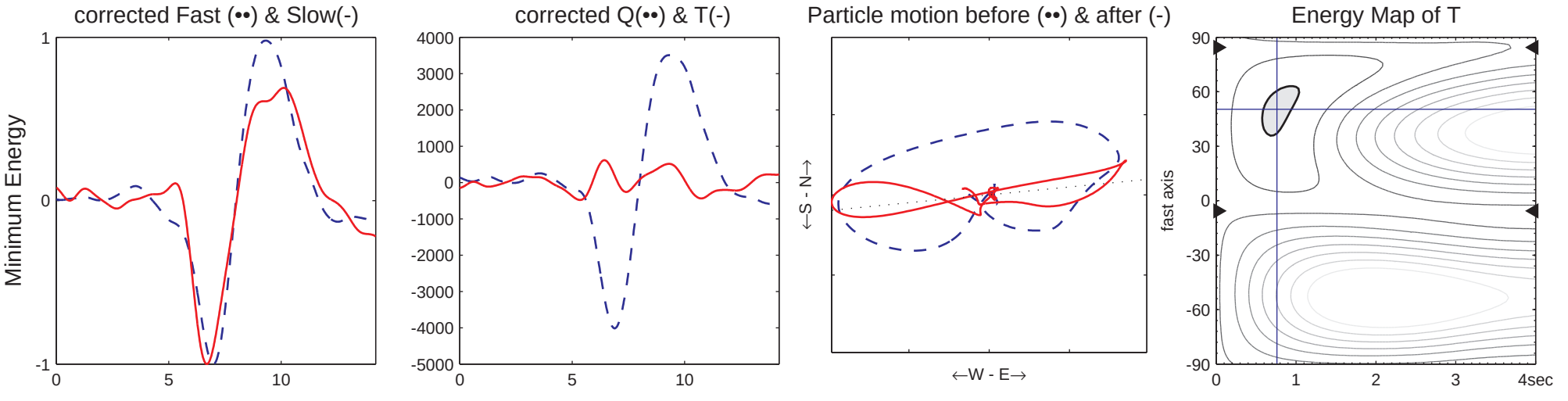
Event: **21-Jul-2010 (202) 09:16 3.04N 128.22E 100km Mw=6.1**
Station: **AFSR** Backazimuth: **84.4”** Distance: **92.04”**
init.Pol.: **259.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.7**

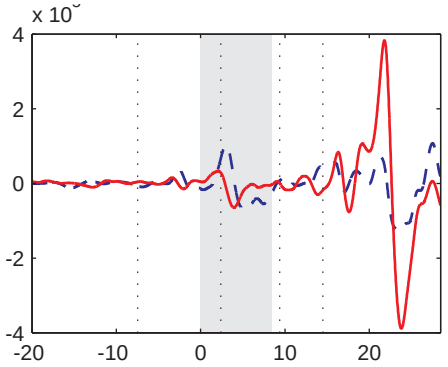
Rotation Correlation:	18<	33° <	52	0.6<0.7s<0.8
Minimum Energy:	35<	50° <	64	0.6<0.8s<1.0
Eigenvalue:	9<	36° <	70	0.5<0.7s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





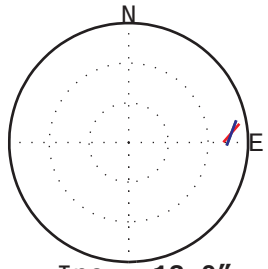




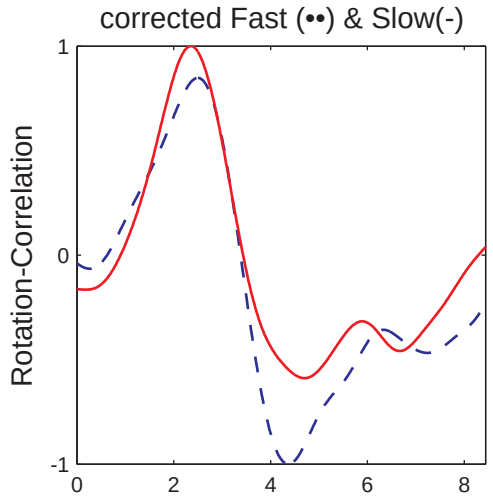
Event: **23-Jul-2010 (204) 22:51 6.50N 123.48E 578km Mw=7.6**
Station: **AFSR** Backazimuth: **84.7”** Distance: **86.19”**
init.Pol.: **254.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.0**

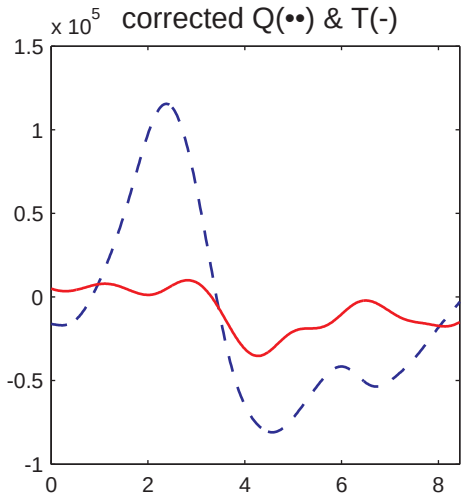
Rotation Correlation:	-1<	21° <	48	0.5<0.8s<1.2
Minimum Energy:	21<	41° <	62	0.5<0.8s<1.0
Eigenvalue:	3<	21° <	50	0.6<0.8s<1.1

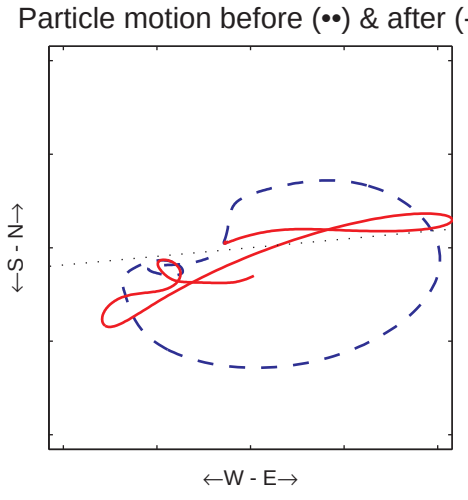
Quality: **fair** IsNull: **No** Phase: **SKKS**

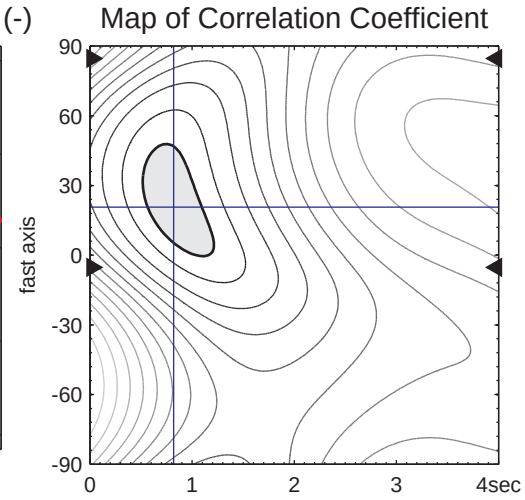


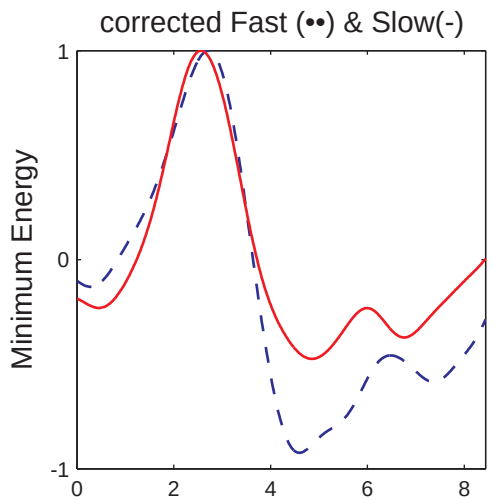
Inc = **13.0”**

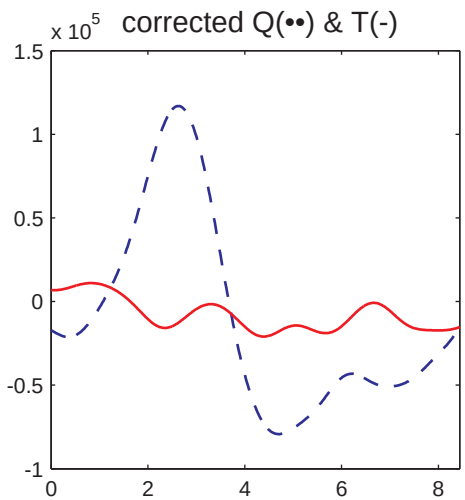


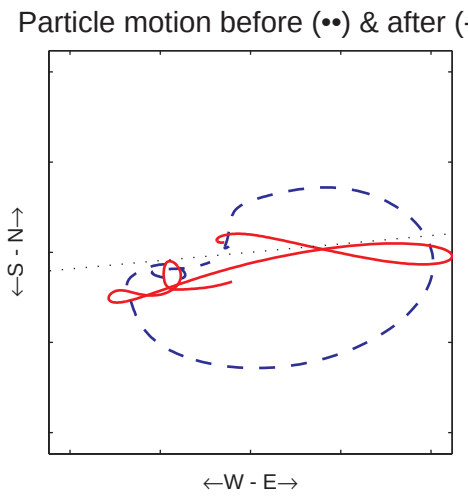


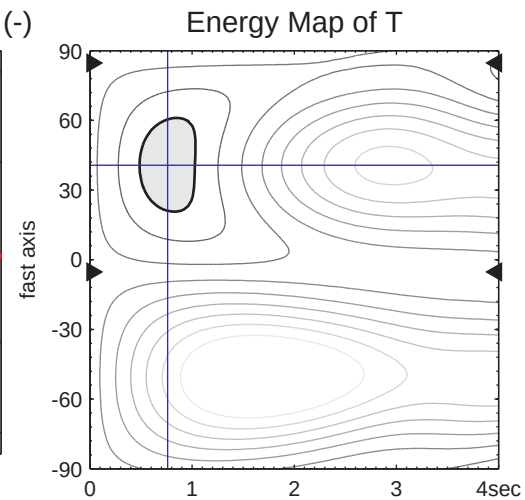


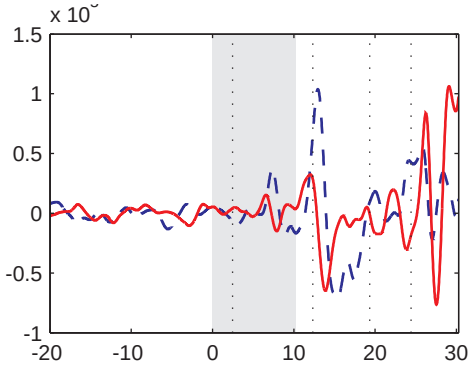








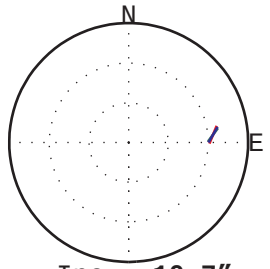




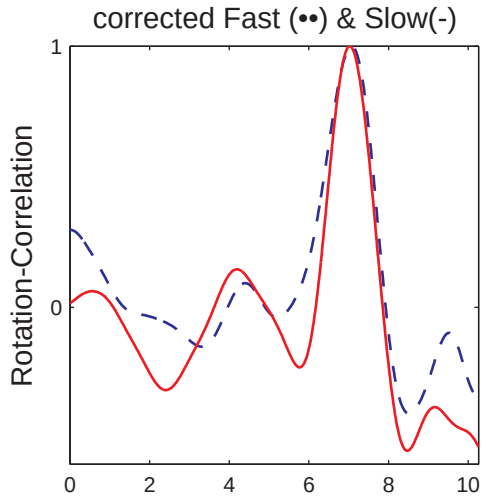
Event: **23-Jul-2010 (204) 22:51 6.50N 123.48E 578km Mw=7.6**
Station: **AFSR** Backazimuth: **84.7”** Distance: **86.19”**
init.Pol.: **269.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.7**

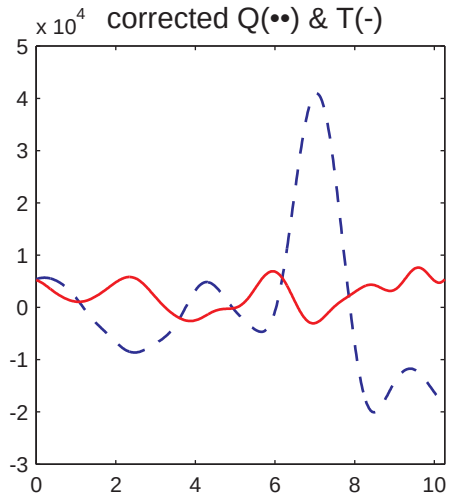
Rotation Correlation:	18<	37° <	59	0.3<0.5s<0.8
Minimum Energy:	11<	23° <	39	0.4<0.6s<0.9
Eigenvalue:	17<	31° <	54	0.4<0.6s<0.8

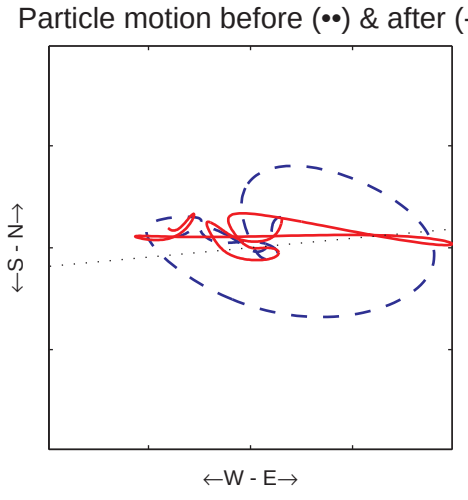
Quality: **fair** IsNull: **No** Phase: **SKS**

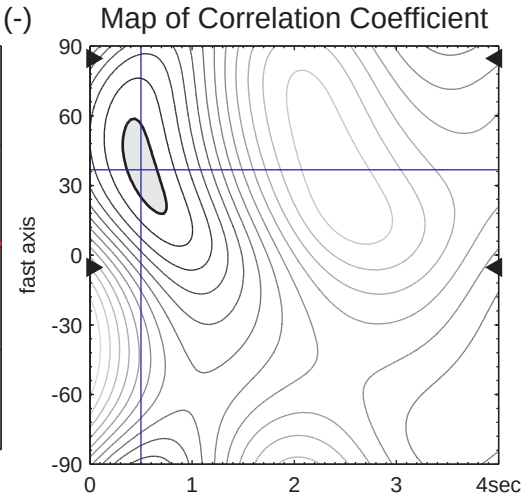


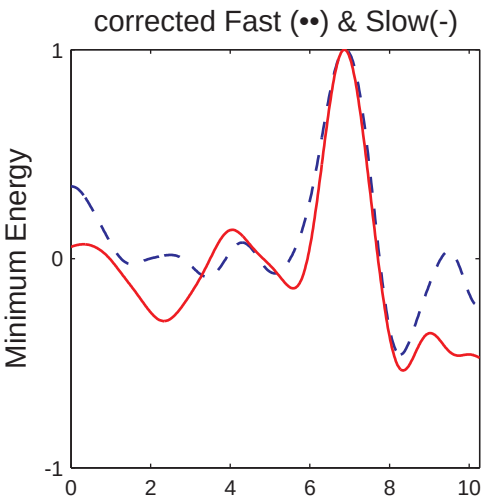
Inc = **10.7”**

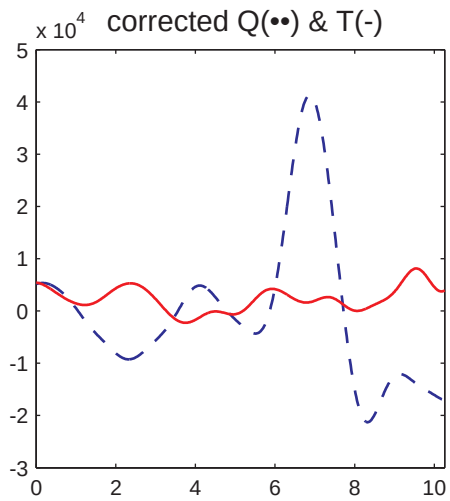


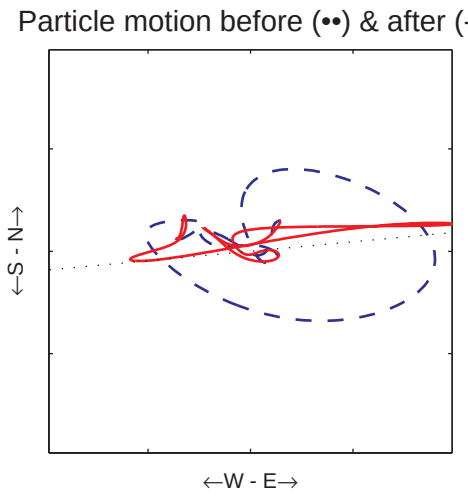


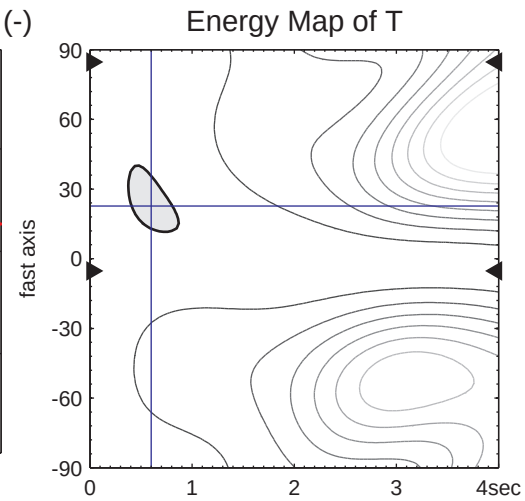


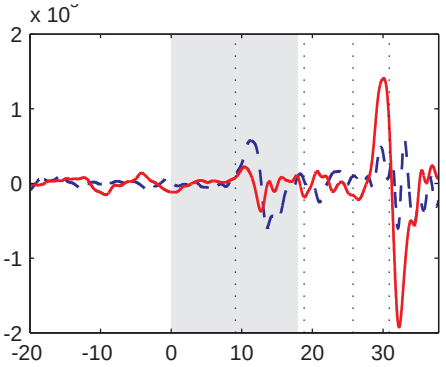








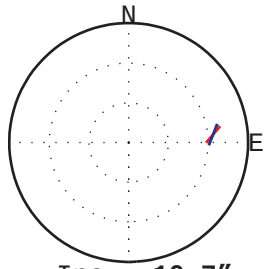




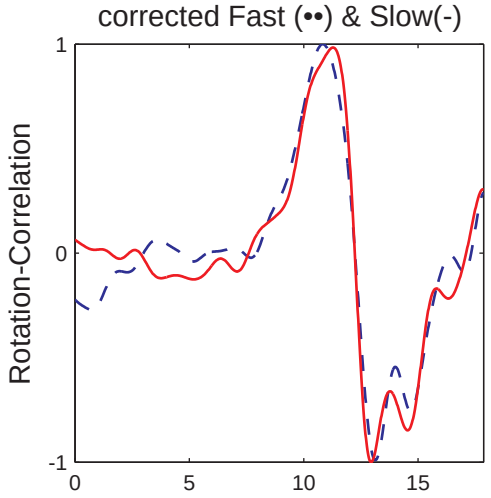
Event: **23-Jul-2010 (204) 23:15 6.78N 123.26E 640km Mw=7.5**
Station: **AFSR** Backazimuth: **84.6”** Distance: **85.85”**
init.Pol.: **254.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.9**

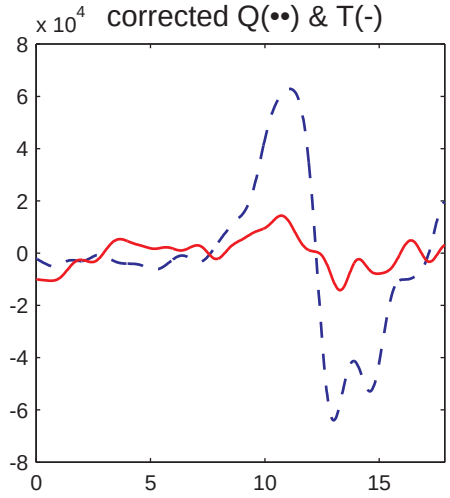
Rotation Correlation:	19<	25° <	34	0.6<0.7s<0.8
Minimum Energy:	27<	41° <	54	0.5<0.7s<0.8
Eigenvalue:	11<	21° <	33	0.6<0.7s<0.8

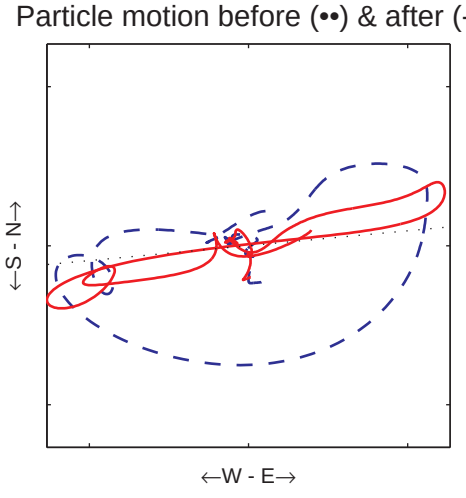
Quality: **fair** IsNull: **No** Phase: **SKS**

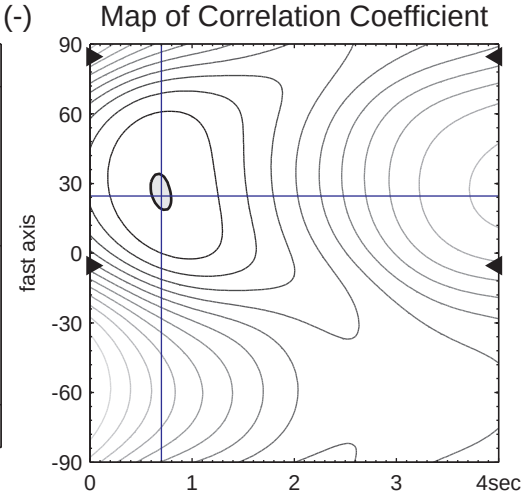


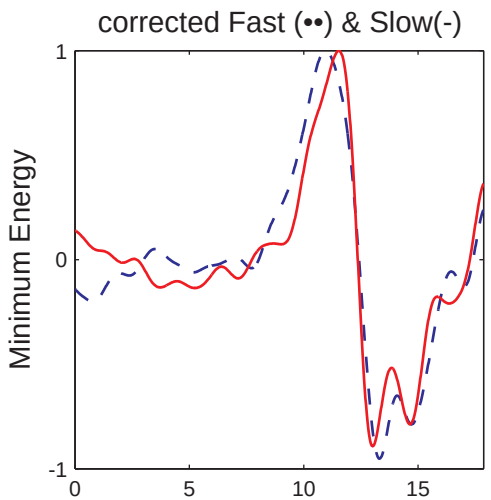
Inc = **10.7”**

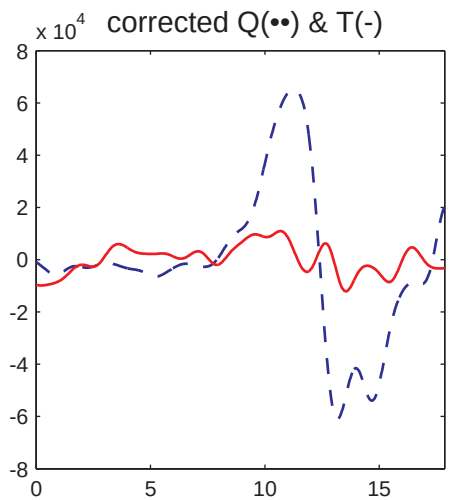


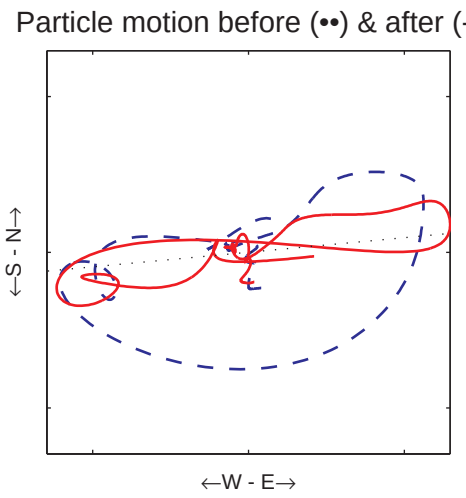


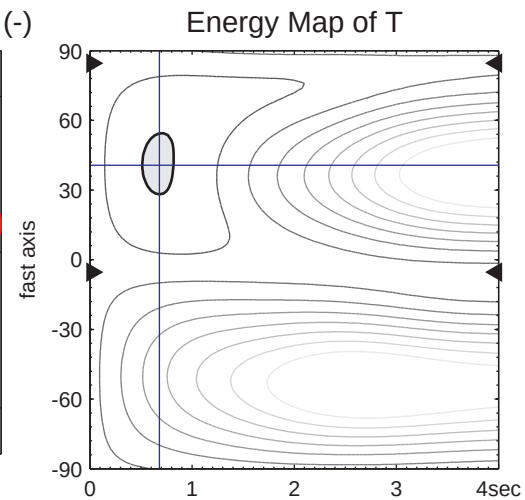


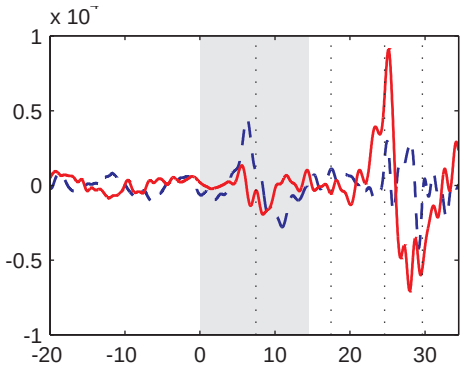








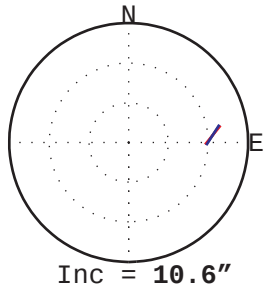




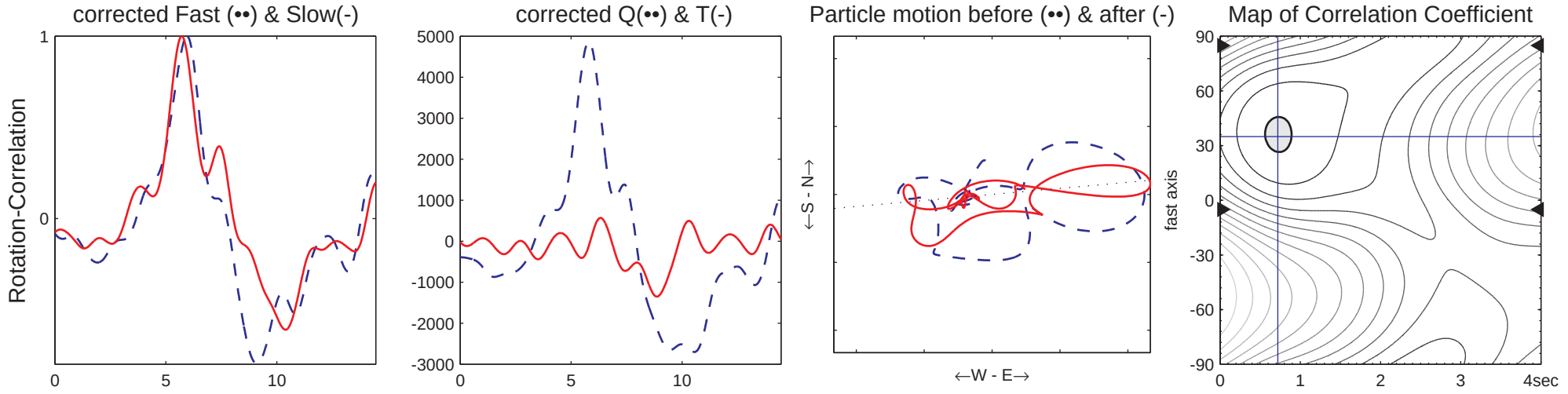
Event: **24-Jul-2010 (205) 05:35 6.22N 123.52E 553km Mw=6.6**
Station: **AFSR** Backazimuth: **84.9”** Distance: **86.40”**
init.Pol.: **261.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.0**

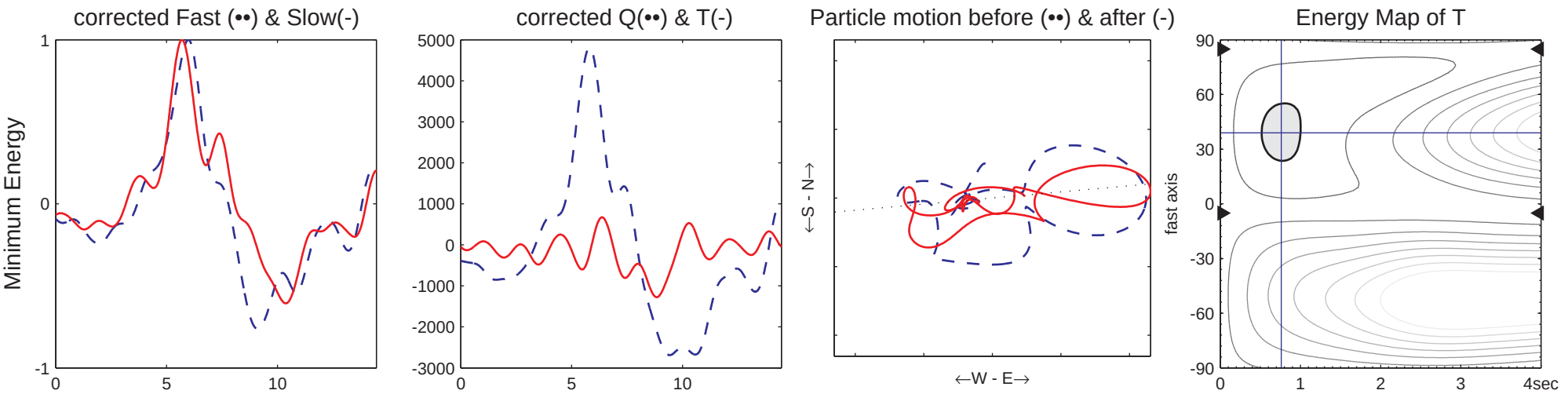
Rotation Correlation:	27<	35° <	46	0.6<0.7s<0.9
Minimum Energy:	23<	39° <	56	0.5<0.8s<1.0
Eigenvalue:	15<	33° <	52	0.6<0.8s<1.0

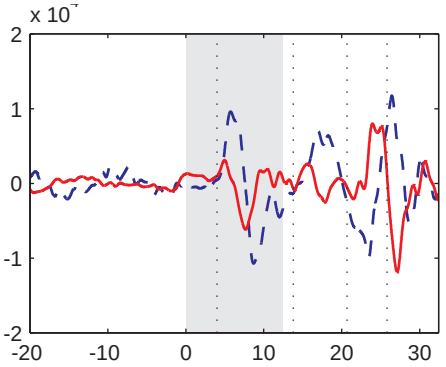
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.6”**



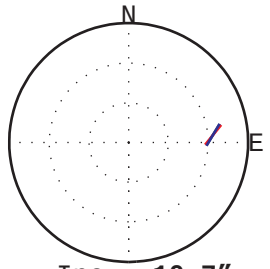


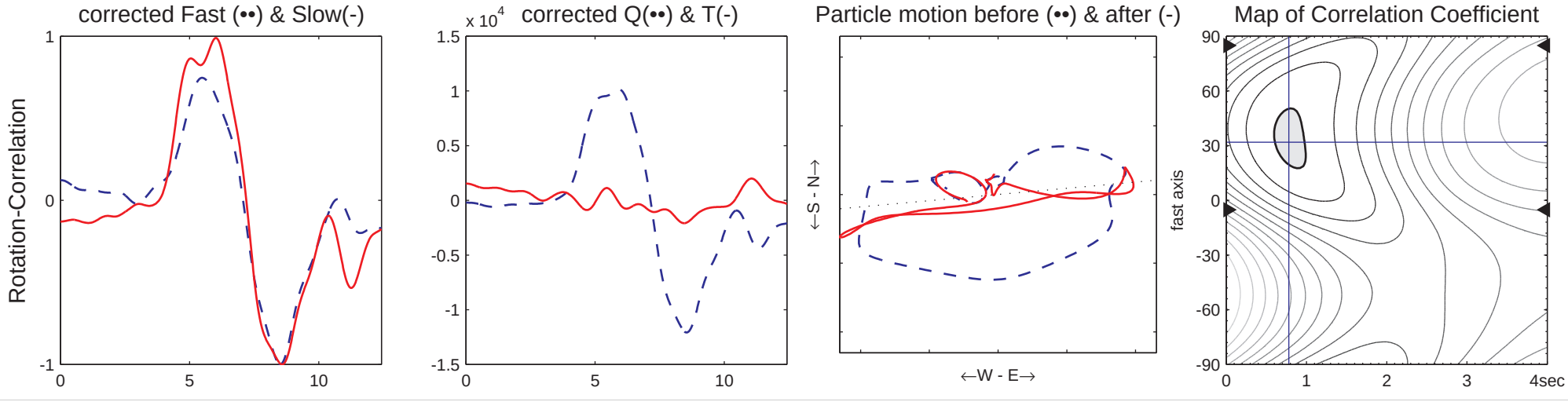


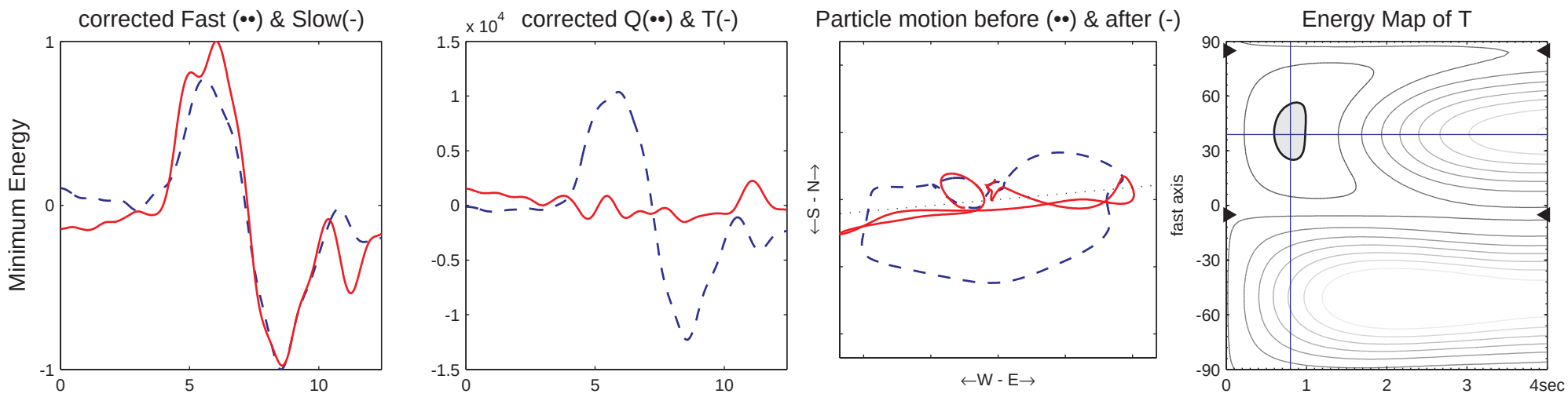
Event: **29-Jul-2010 (210) 07:31 6.55N 123.22E 618km Mw=6.6**
Station: **AFSR** Backazimuth: **84.8”** Distance: **85.96”**
init.Pol.: **261.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.6**

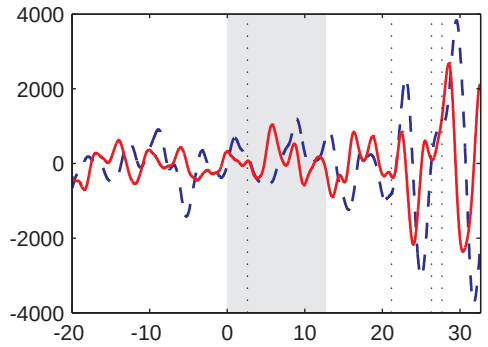
Rotation Correlation:	18<	32° <	51	0.6<0.8s<1.0
Minimum Energy:	25<	39° <	56	0.6<0.8s<1.0
Eigenvalue:	11<	31° <	62	0.6<0.8s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





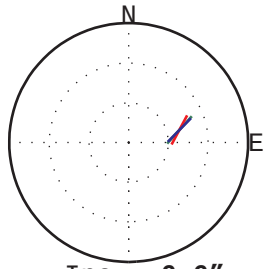


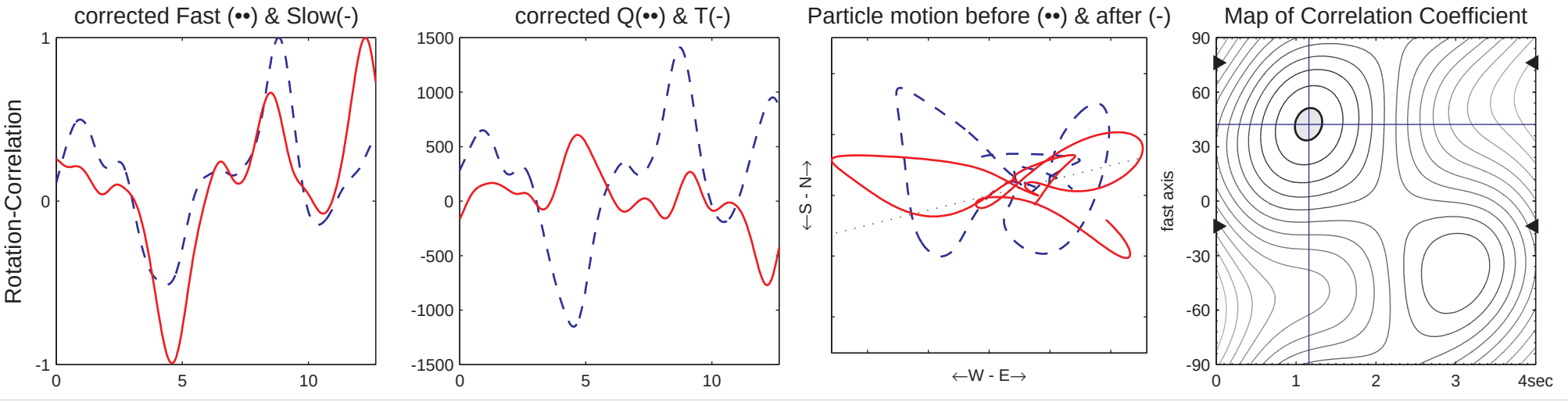


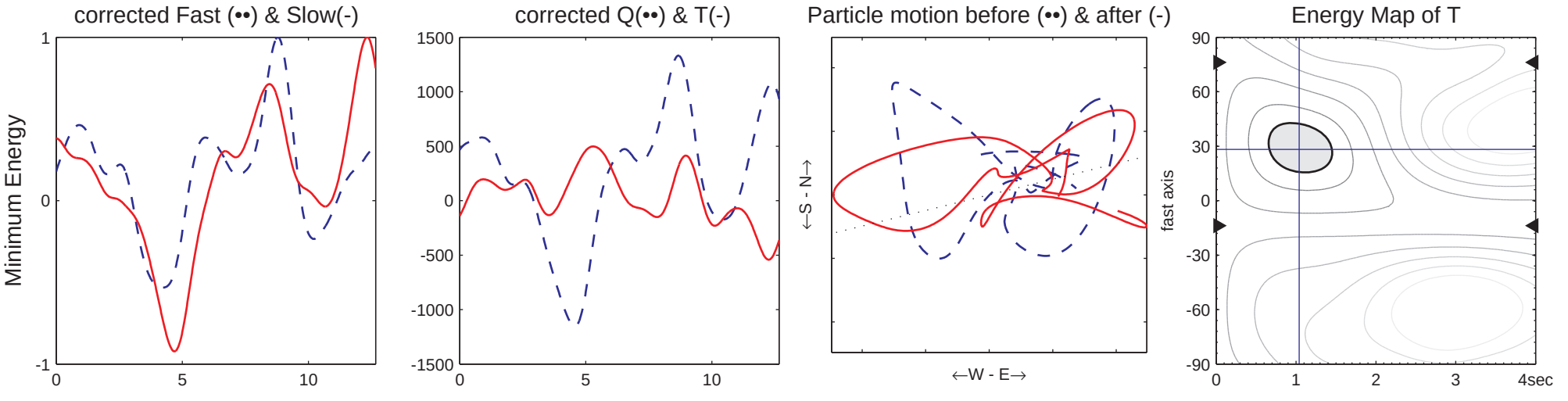
Event: **04-Aug-2010 (216) 22:01 -5.75N 150.76E 44km Mw=7.0**
Station: **AFSR** Backazimuth: **76.2”** Distance: **114.88”**
init.Pol.: **273.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.8**

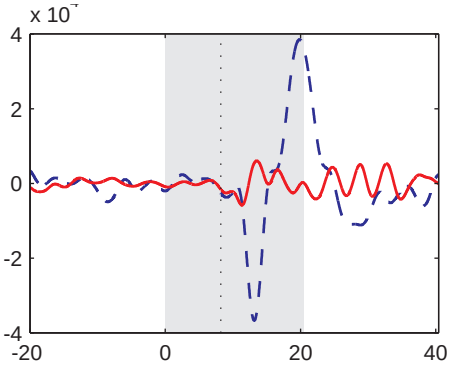
Rotation Correlation:	34<	42° <	51	1.0<1.2s<1.3
Minimum Energy:	15<	28° <	43	0.6<1.0s<1.4
Eigenvalue:	25<	44° <	66	0.7<1.0s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





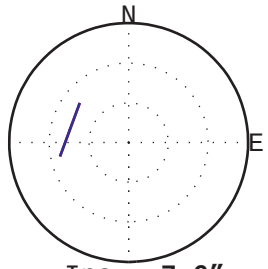


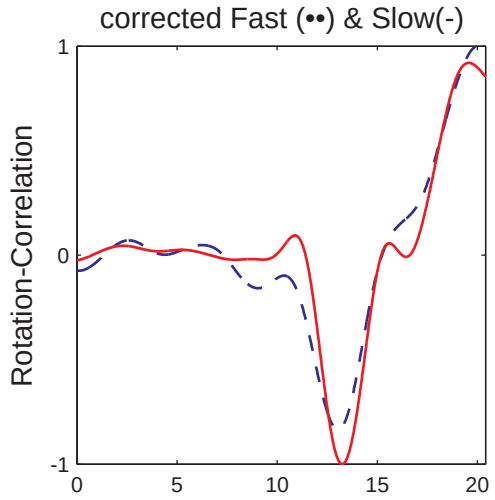


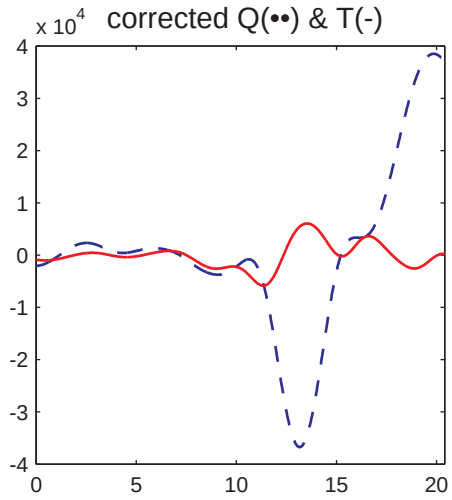
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **AFSR** Backazimuth: **282.3”** Distance: **106.43”**
init.Pol.: **103.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.1**

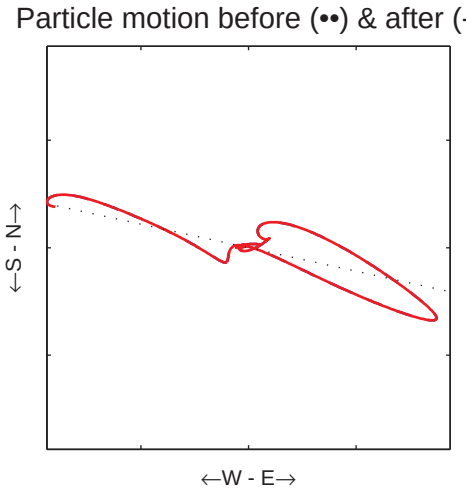
Rotation Correlation:	51<	60° <	72	0.0<0.0s<0.1
Minimum Energy:	17<	20° <	23	1.3<1.8s<2.6
Eigenvalue:	19<	20° <	27	1.1<1.8s<2.4

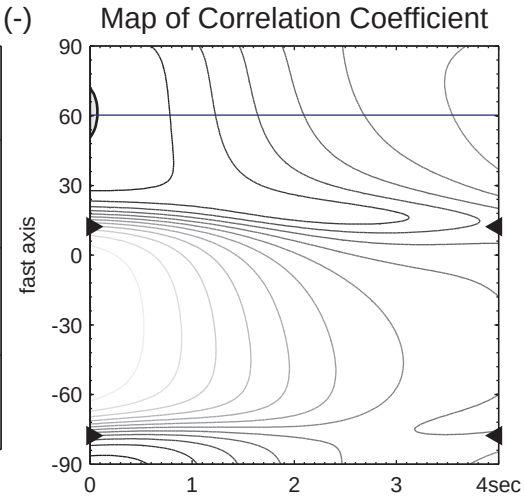
Quality: **good** IsNull: **Yes** Phase: **SKS**

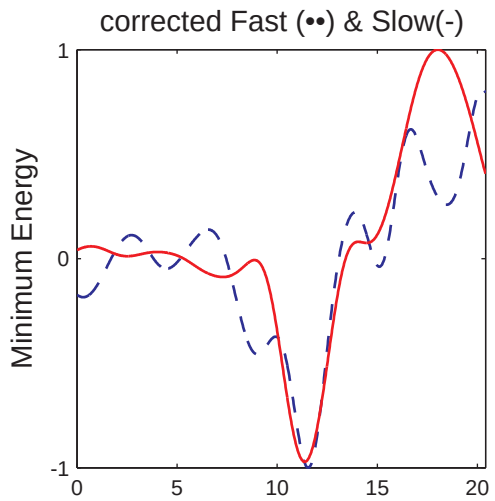


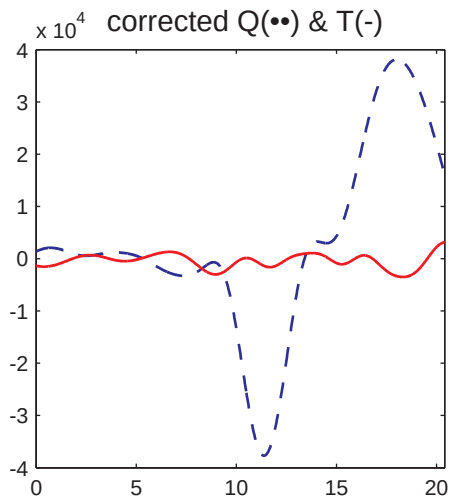


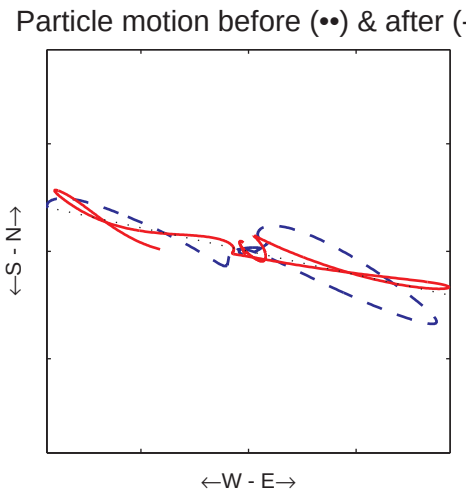


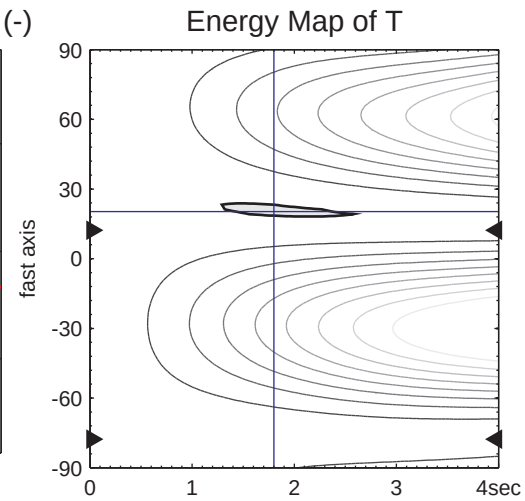


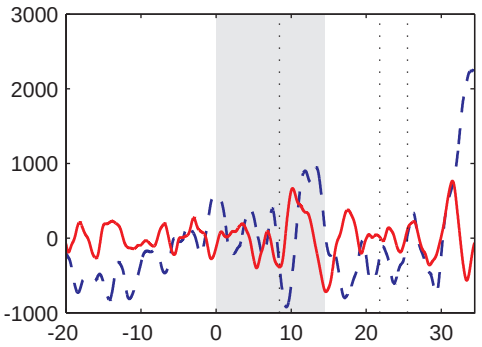








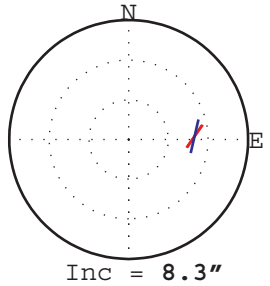


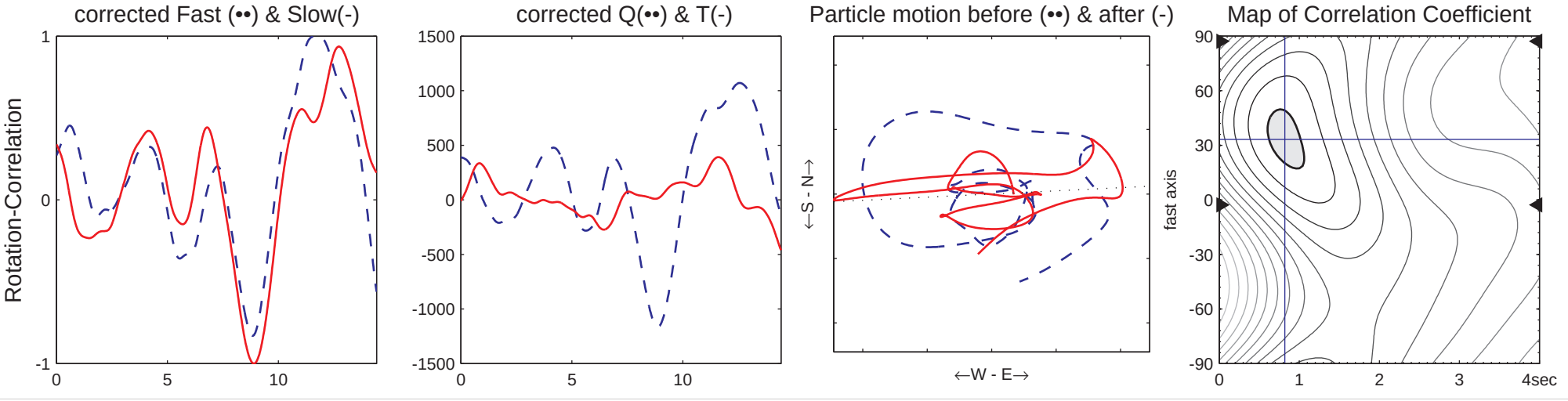


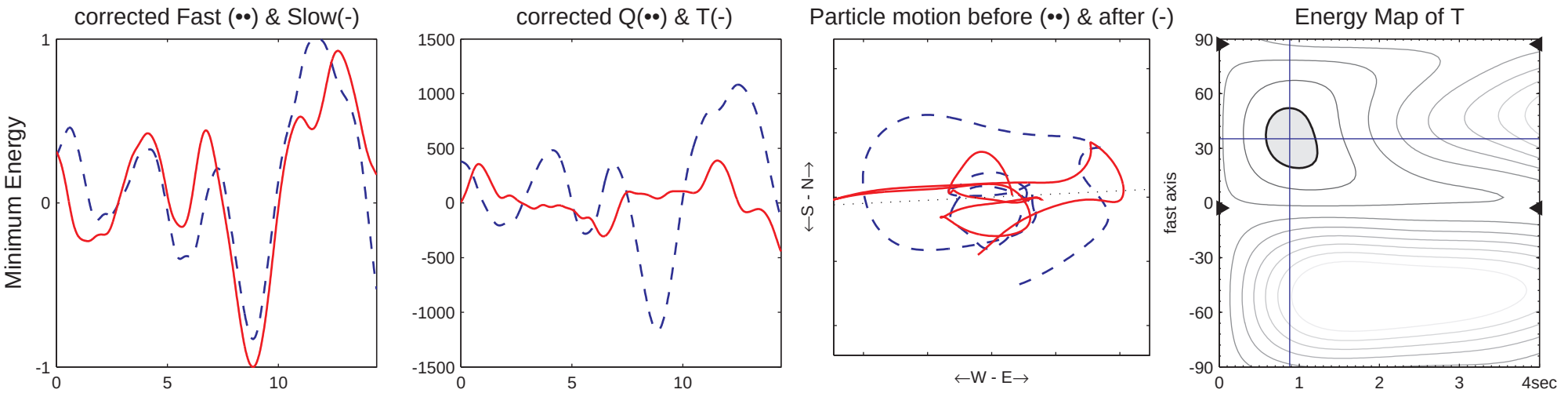
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **AFSR** Backazimuth: **87.2”** Distance: **101.74”**
init.Pol.: **251.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

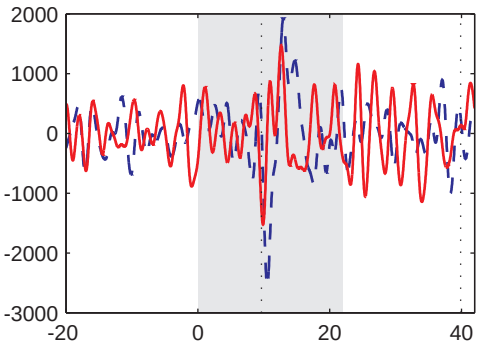
Rotation Correlation:	18<	33° <	50	0.6<0.8s<1.1
Minimum Energy:	19<	35° <	52	0.6<0.9s<1.2
Eigenvalue:	-11<	13° <	43	0.7<1.1s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





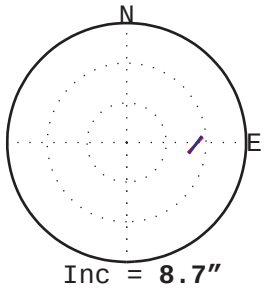


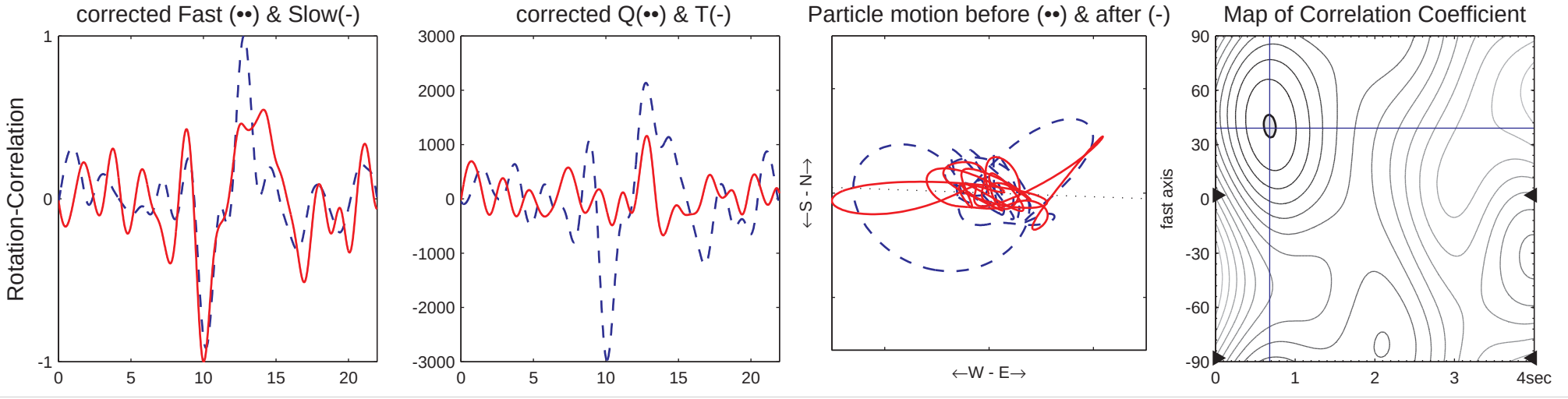


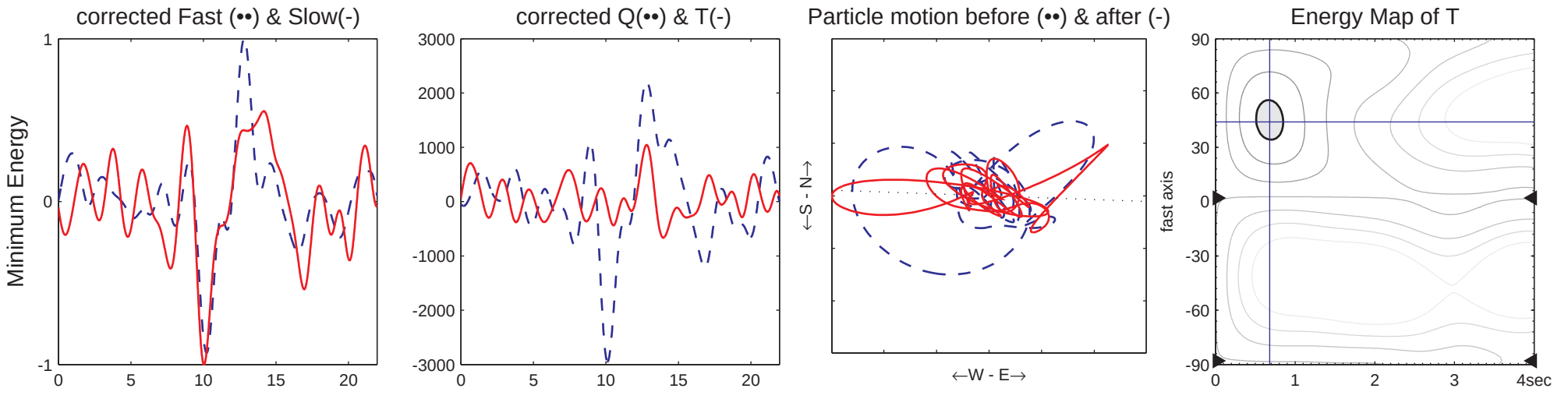
Event: **15-Dec-2010 (349) 11:29 -7.27N 128.79E 134km Mw=6.0**
Station: **AFSR** Backazimuth: **92.0”** Distance: **99.01”**
init.Pol.: **265.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

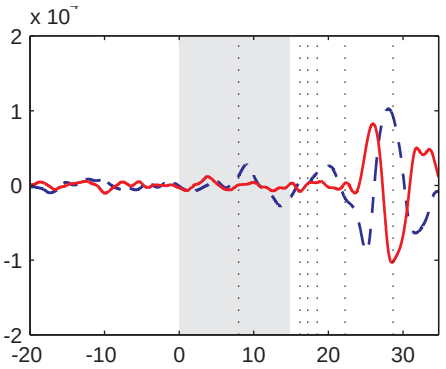
Rotation Correlation:	34<	39° <	47	0.6<0.7s<0.8
Minimum Energy:	33<	44° <	56	0.5<0.7s<0.8
Eigenvalue:	23<	36° <	56	0.5<0.7s<0.8

Quality: **good** IsNull: **No** Phase: **SKS**





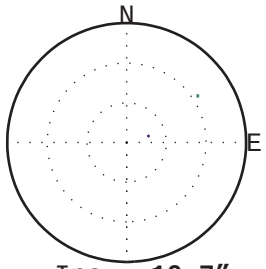




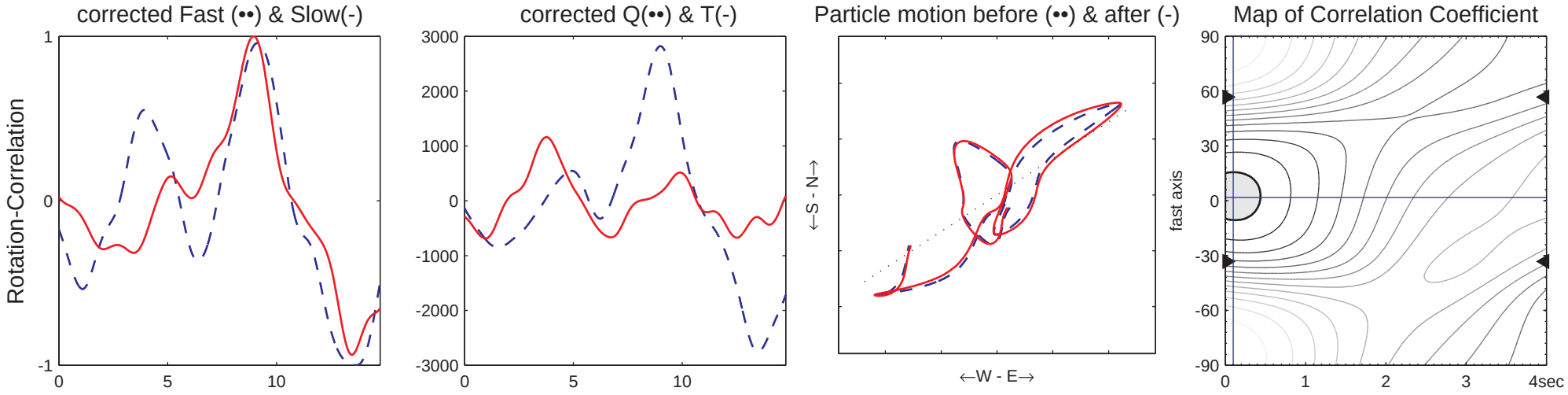
Event: **22-Dec-2010 (356) 21:49 26.81N 143.60E 18km Mw=6.4**
Station: **AFSR** Backazimuth: **56.8”** Distance: **87.42”**
init.Pol.: **235.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

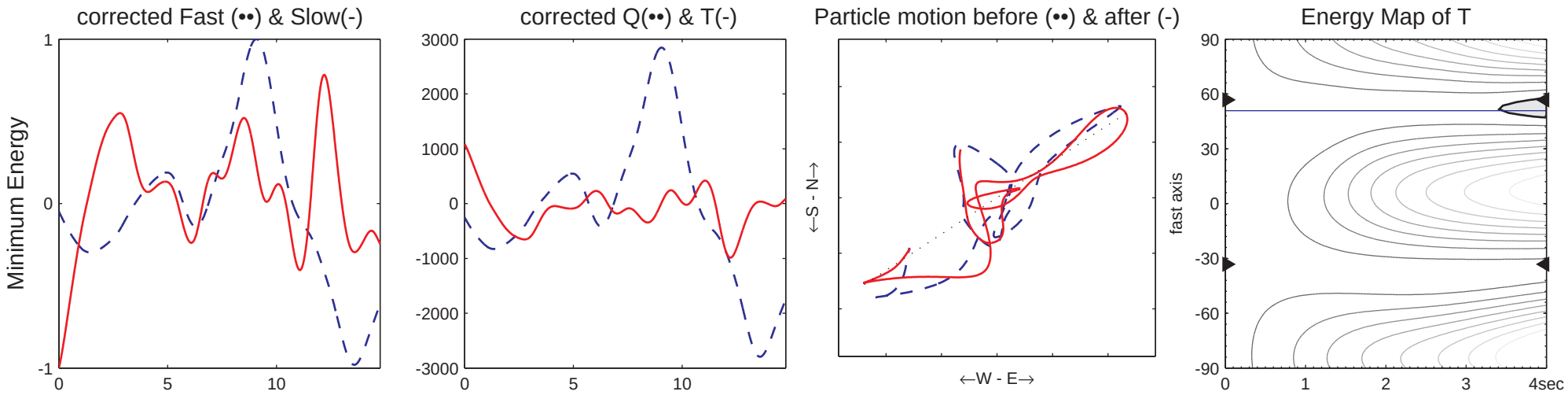
Rotation Correlation:	-11<	2° <	16	0.0<0.1s<0.4
Minimum Energy:	48<	51° <	58	3.4<4.0s<4.0
Eigenvalue:	41<	51° <	62	3.6<4.0s<4.0

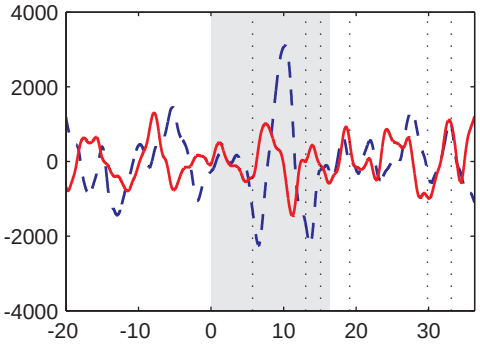
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.7”**



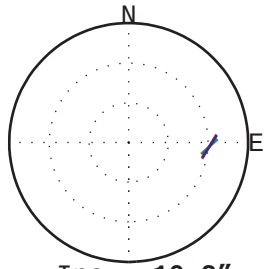




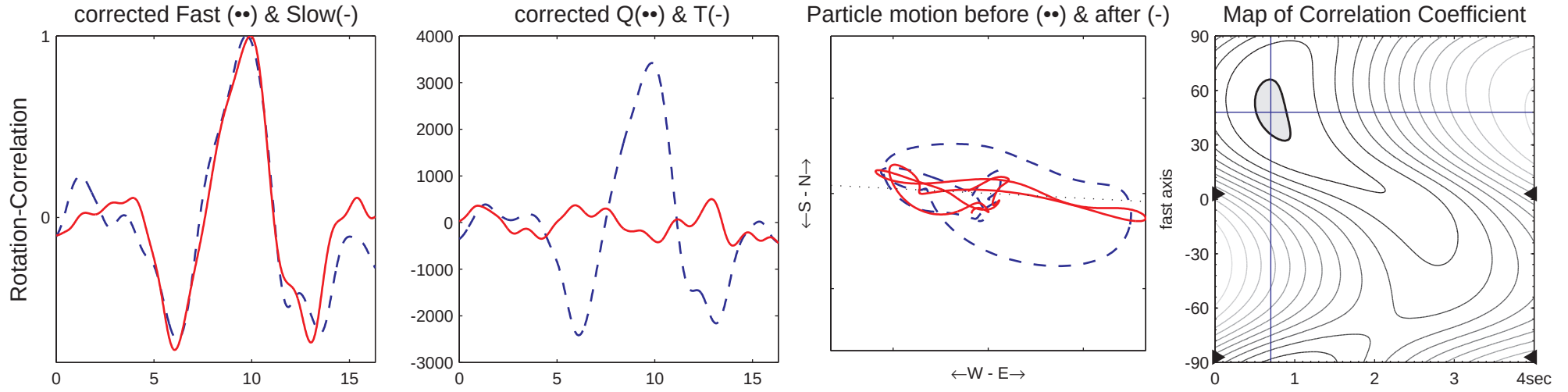
Event: **15-Feb-2011 (046) 13:33 -2.50N 121.48E 16km Mw=6.1**
Station: **AFSR** Backazimuth: **92.9”** Distance: **90.36”**
init.Pol.: **273.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.6**

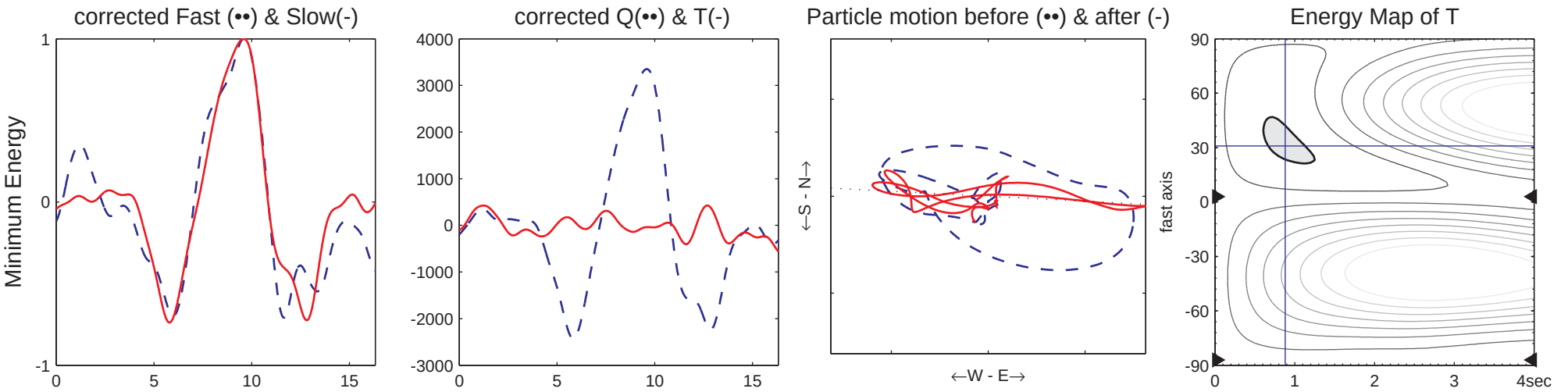
Rotation Correlation:	33<	48° <	66	0.5<0.7s<1.0
Minimum Energy:	21<	31° <	48	0.6<0.9s<1.2
Eigenvalue:	15<	33° <	64	0.6<0.8s<1.4

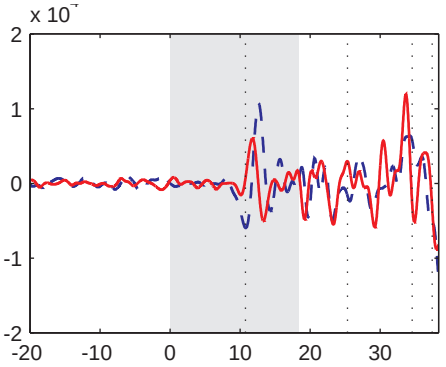
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.2”**



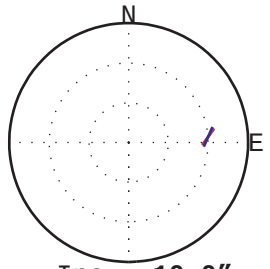




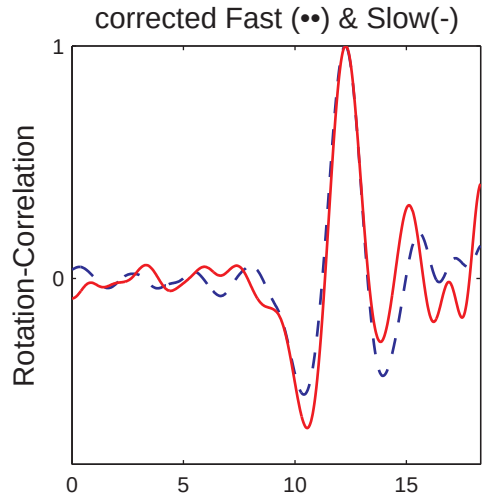
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **AFSR** Backazimuth: **85.9”** Distance: **91.01”**
init.Pol.: **259.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.8**

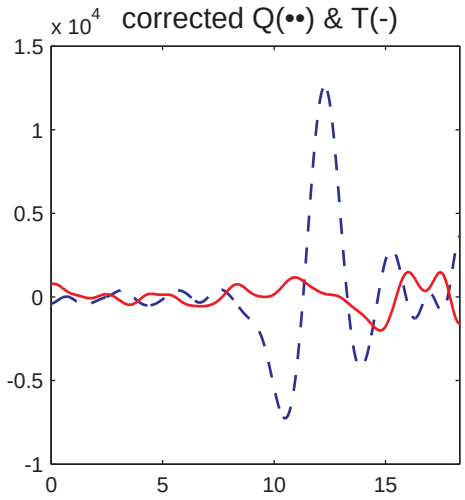
Rotation Correlation:	27<	37° <	49	0.6<0.6s<0.7
Minimum Energy:	25<	34° <	41	0.5<0.6s<0.7
Eigenvalue:	11<	24° <	43	0.6<0.7s<0.8

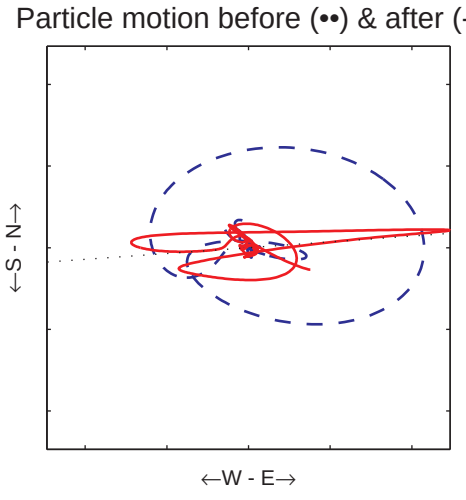
Quality: **good** IsNull: **No** Phase: **SKS**

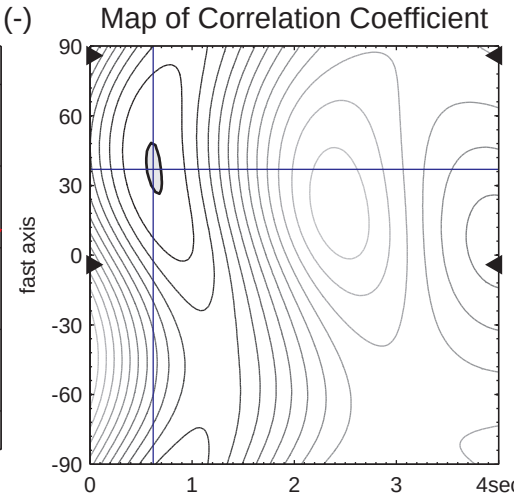


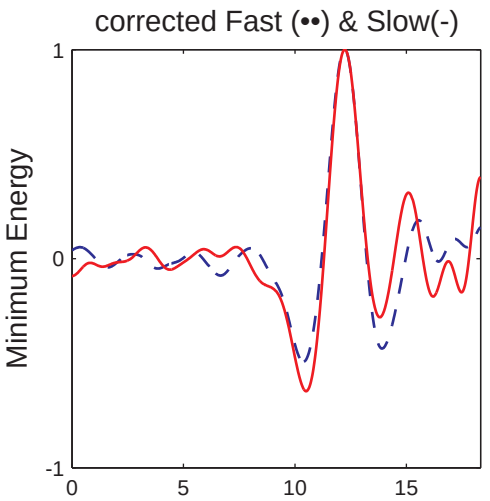
Inc = **10.0”**

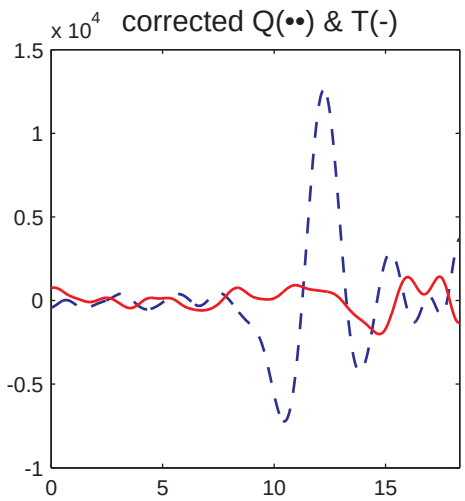


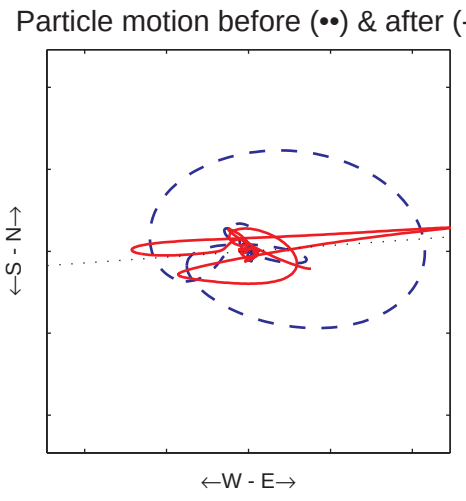


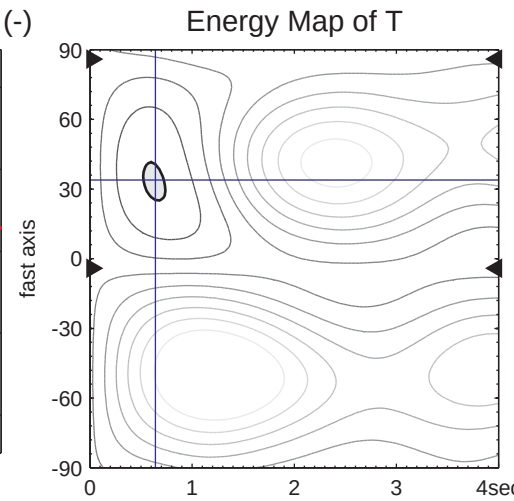


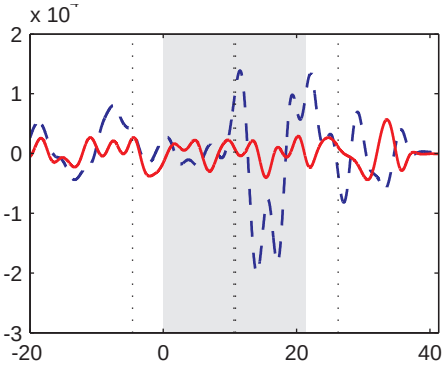








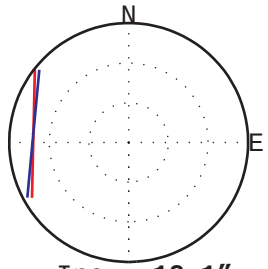




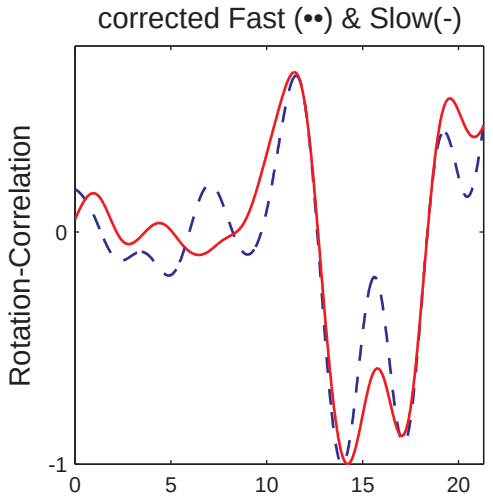
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **AFSR** Backazimuth: **275.3”** Distance: **108.41”**
init.Pol.: **101.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

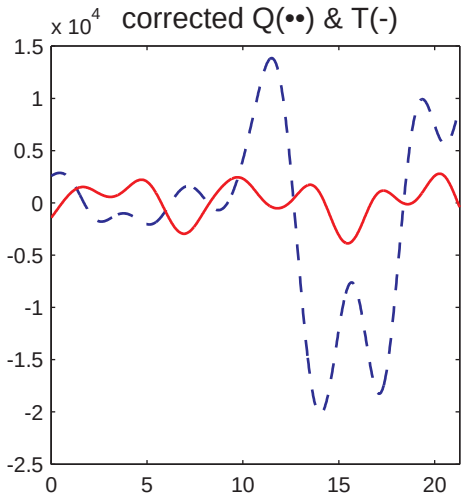
Rotation Correlation:	-51<	-42° < -34	0.0<0.1s<0.2
Minimum Energy:	-1<	1° < 5	3.2<4.0s<4.0
Eigenvalue:	1<	5° < 9	3.6<4.0s<4.0

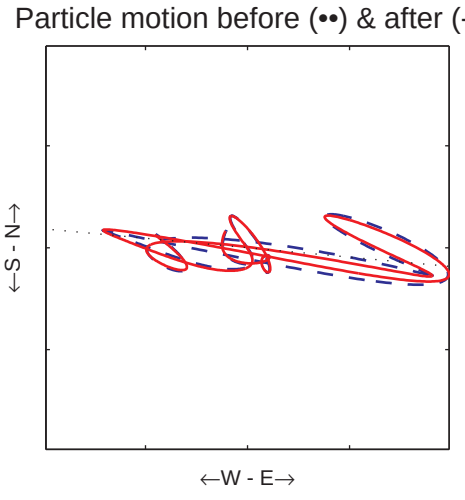
Quality: **good** IsNull: **Yes** Phase: **SKKS**

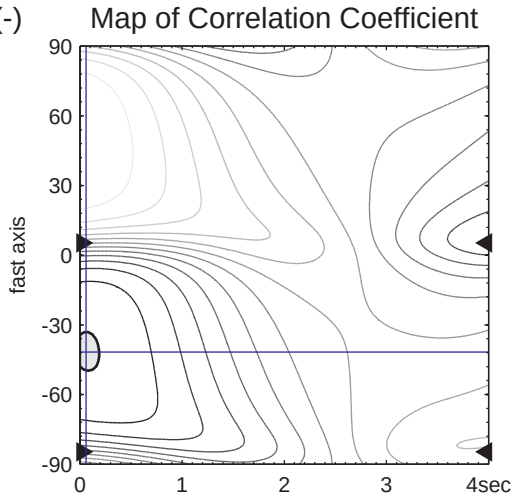


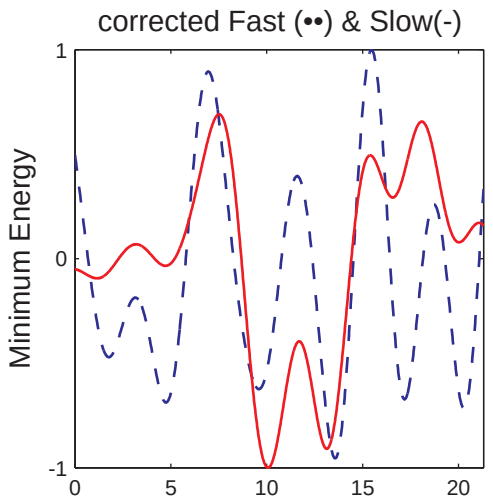
Inc = **12.1”**

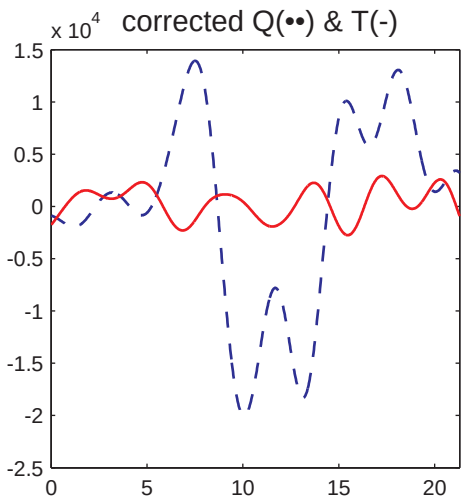


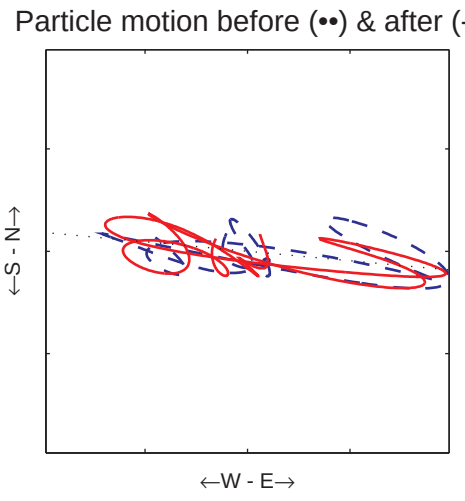


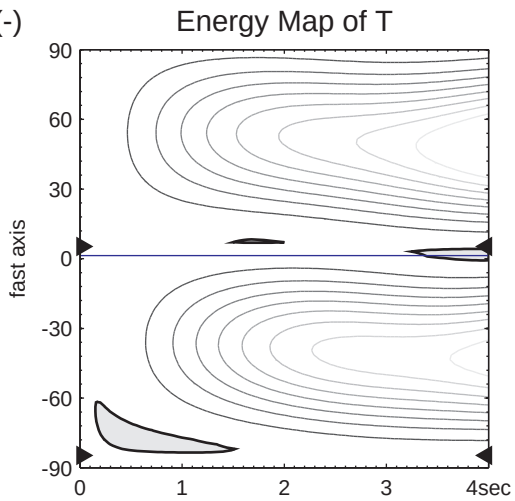


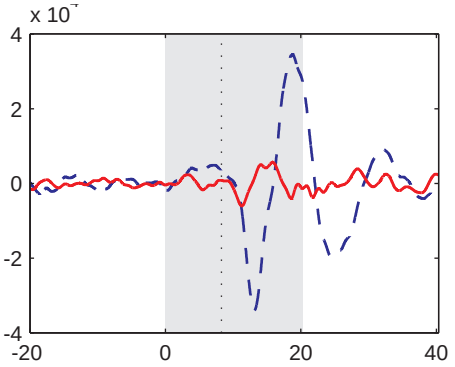








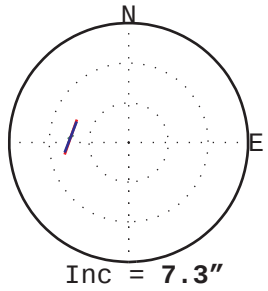


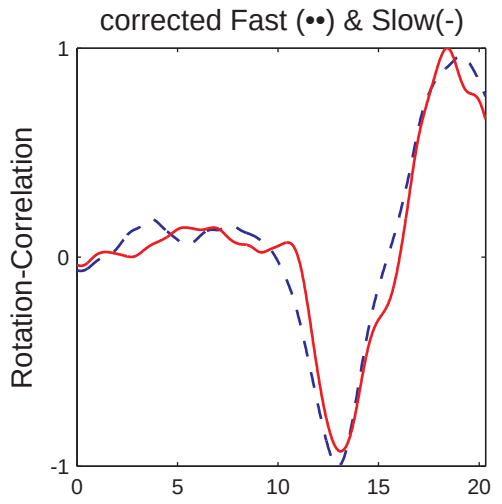


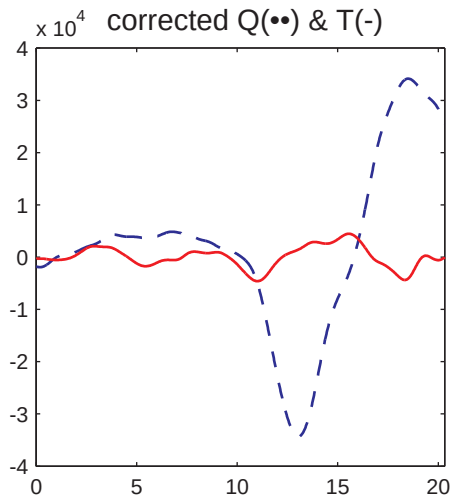
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **AFSR** Backazimuth: **275.3”** Distance: **108.41”**
init.Pol.: **96.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.9**

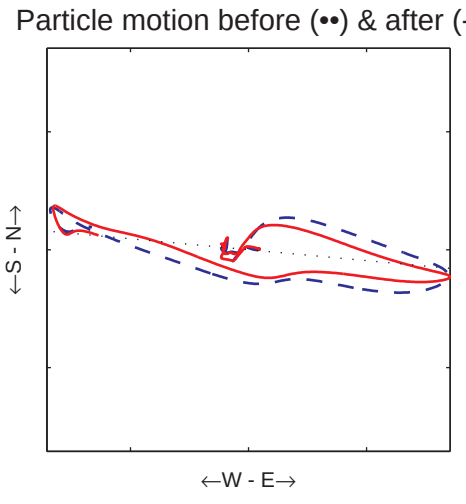
Rotation Correlation:	38<	52° <	68	0.0<0.2s<0.5
Minimum Energy:	13<	19° <	31	0.6<1.2s<1.9
Eigenvalue:	13<	21° <	46	0.5<1.0s<1.9

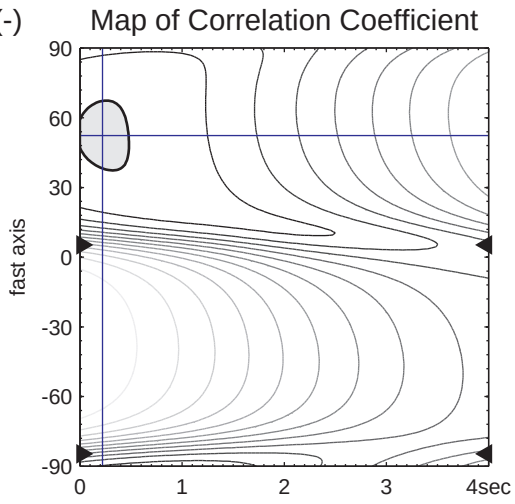
Quality: **fair** IsNull: **Yes** Phase: **SKS**

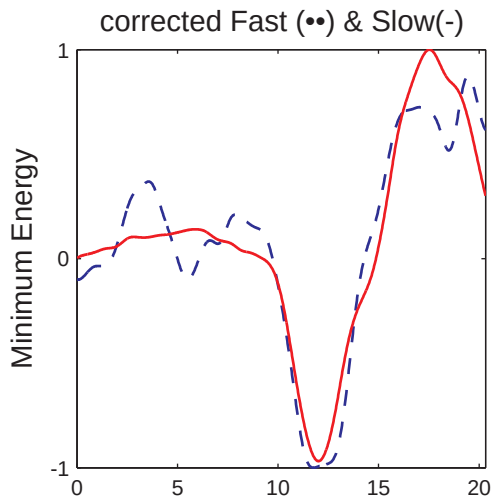


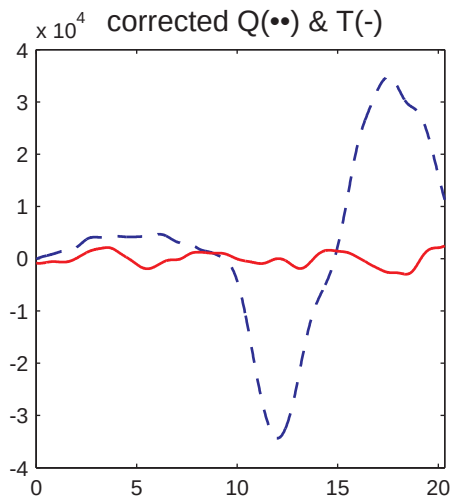


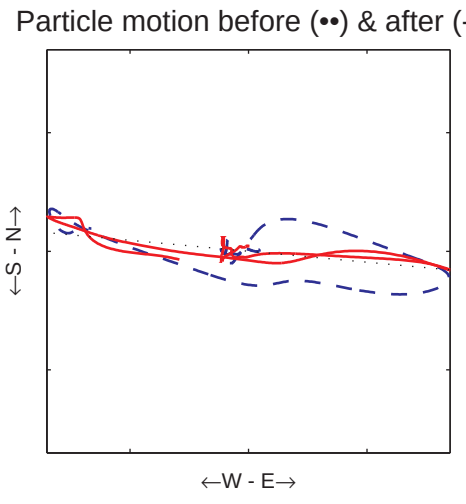


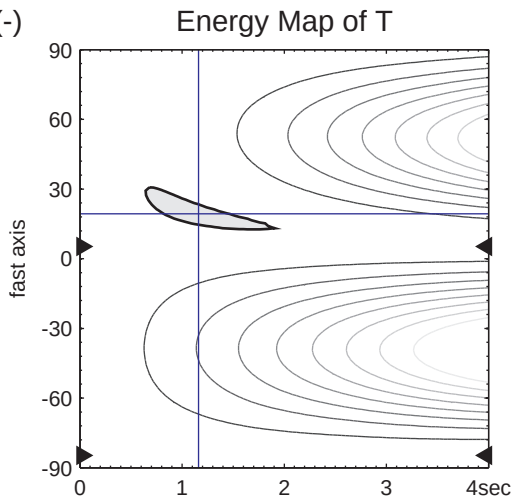


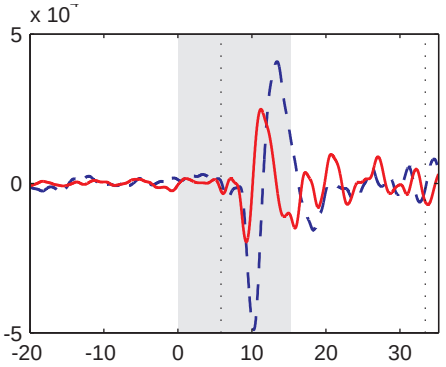








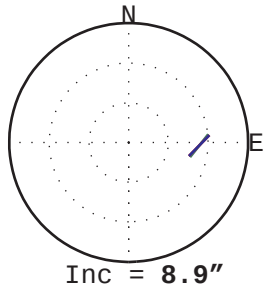


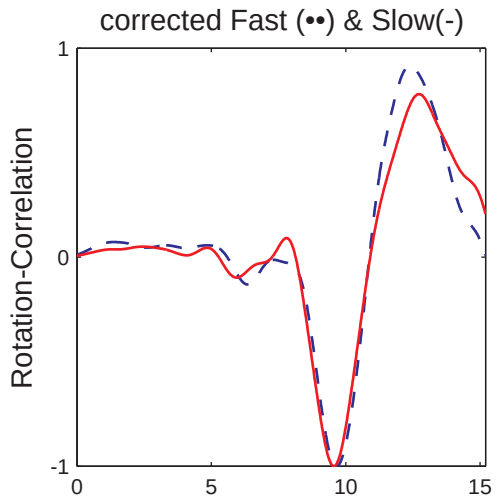


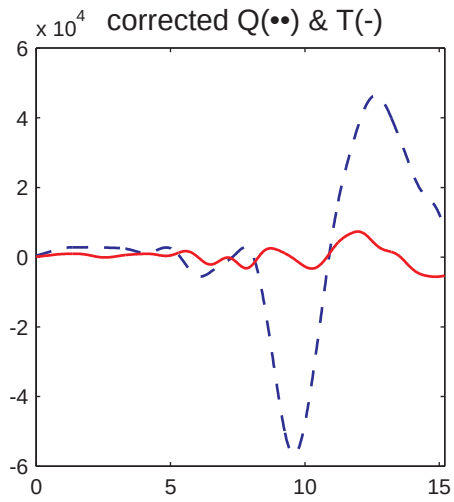
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **AFSR** Backazimuth: **92.6”** Distance: **96.87”**
init.Pol.: **272.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.2**

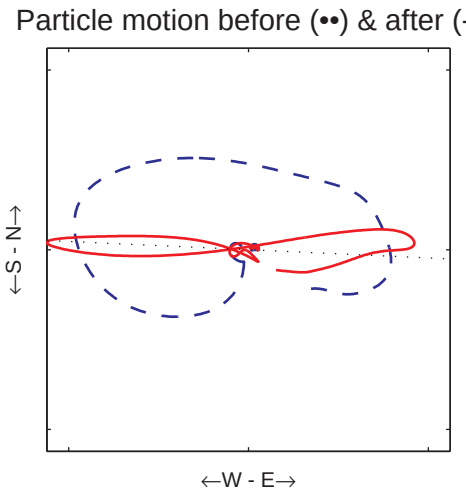
Rotation Correlation:	32<	39° <	49	0.8<0.9s<1.0
Minimum Energy:	39<	45° <	52	0.8<0.9s<1.0
Eigenvalue:	33<	45° <	58	0.8<0.9s<1.0

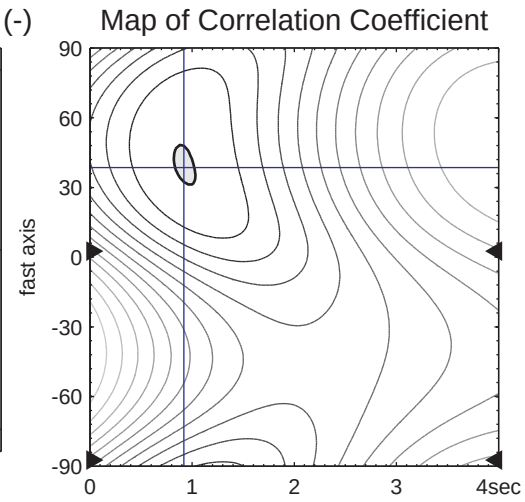
Quality: **good** IsNull: **No** Phase: **SKS**

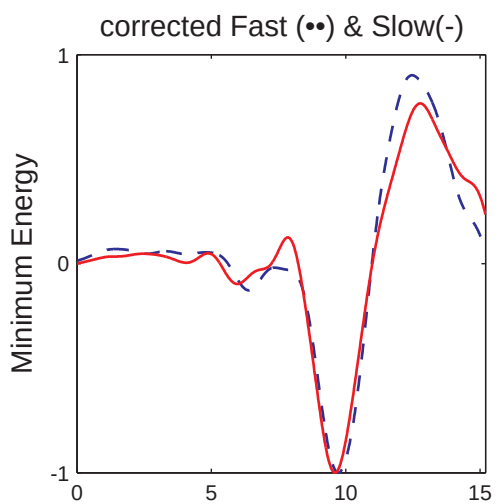


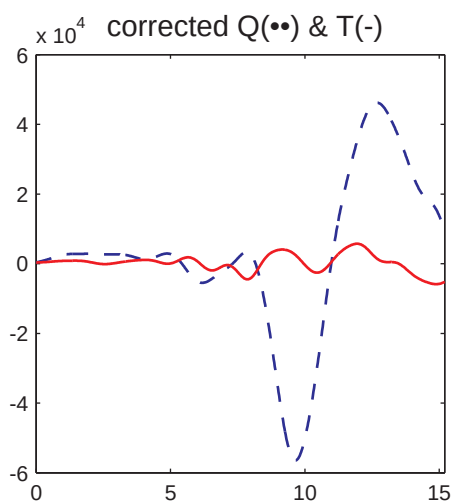


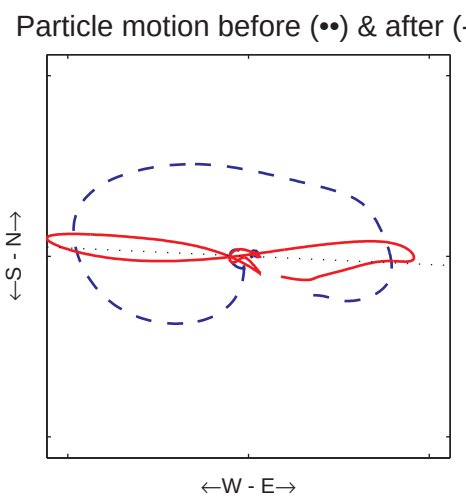


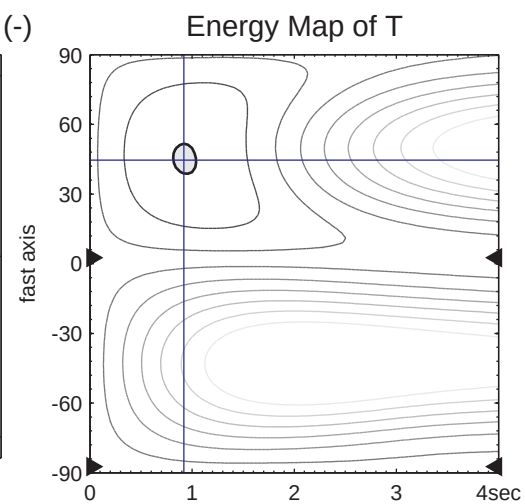


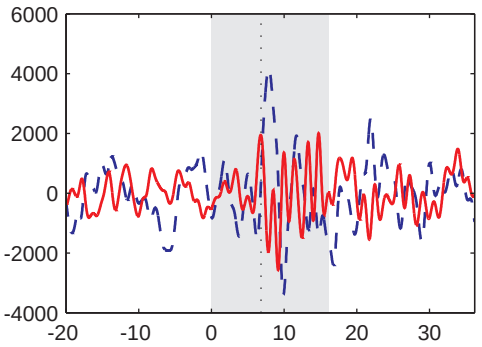








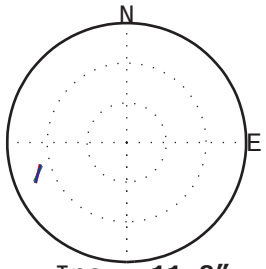




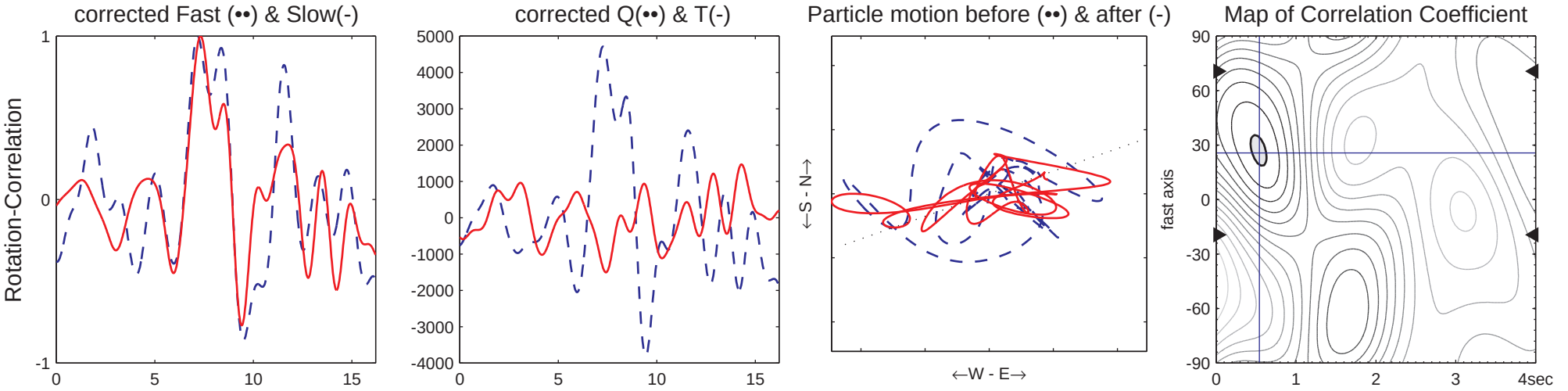
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **AFSR** Backazimuth: **250.6”** Distance: **111.98”**
init.Pol.: **78.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

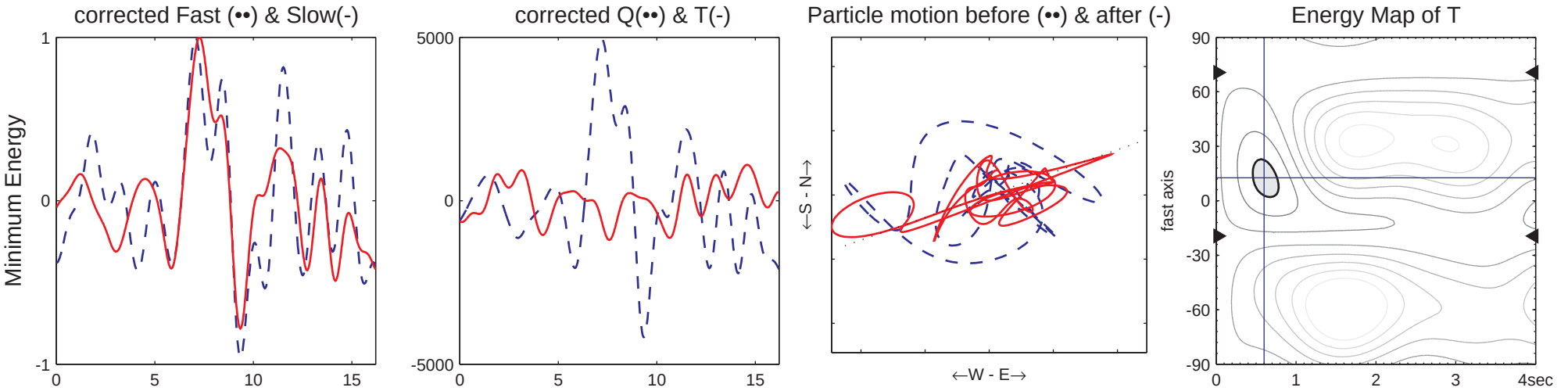
Rotation Correlation:	19<	26° <	36	0.4<0.5s<0.6
Minimum Energy:	3<	13° <	23	0.4<0.6s<0.8
Eigenvalue:	7<	17° <	31	0.4<0.6s<0.8

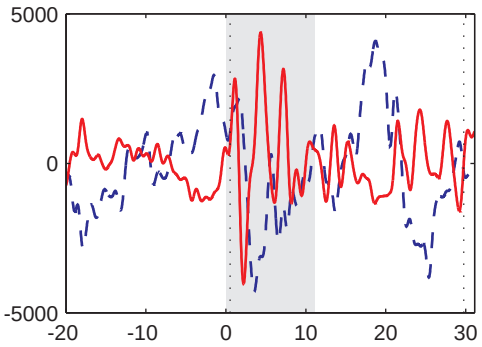
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.8”**



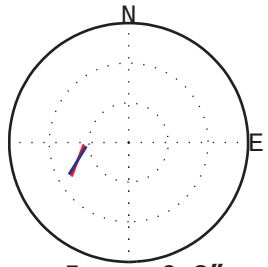




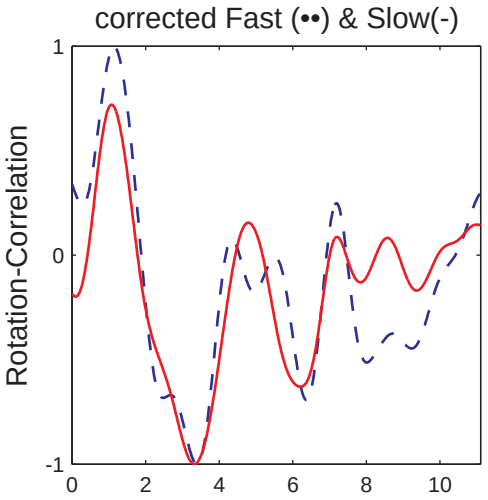
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km Mw=6.7**
Station: **AFSR** Backazimuth: **250.6”** Distance: **111.98”**
init.Pol.: **86.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

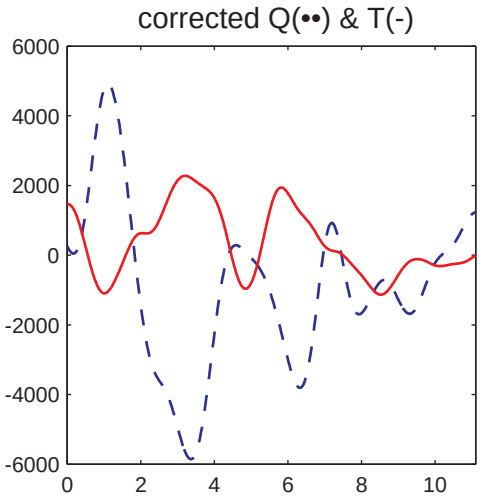
Rotation Correlation:	28<	33° <	41	0.9<1.0s<1.1
Minimum Energy:	13<	21° <	27	0.9<1.1s<1.3
Eigenvalue:	21<	31° <	43	0.9<1.0s<1.2

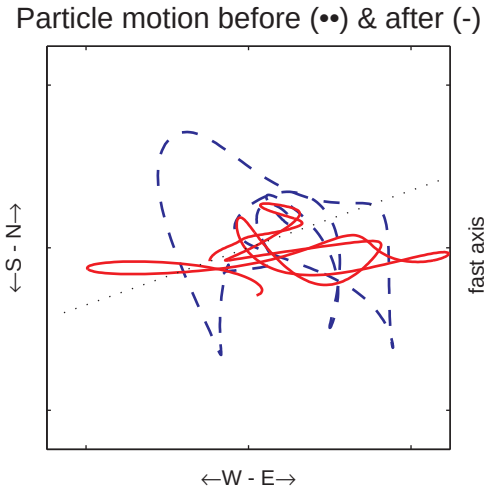
Quality: **fair** IsNull: **No** Phase: **SKS**

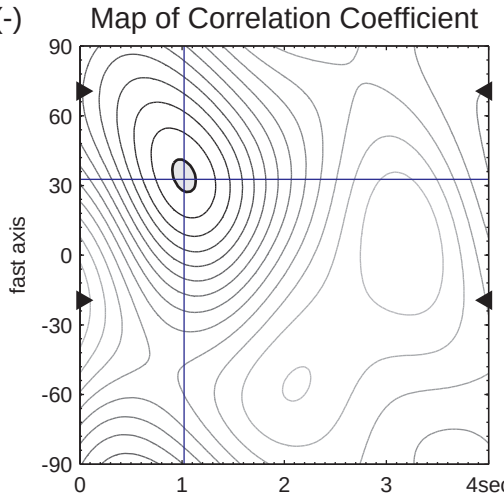


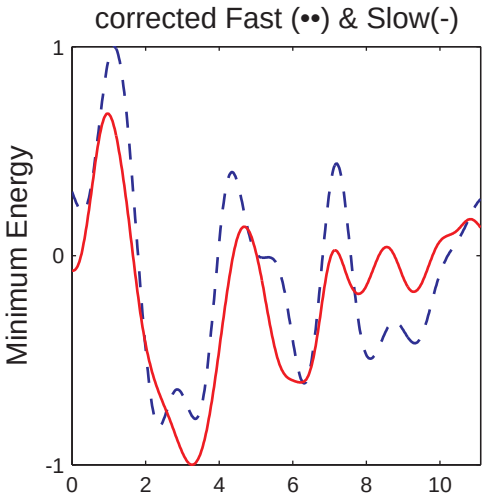
Inc = **6.8”**

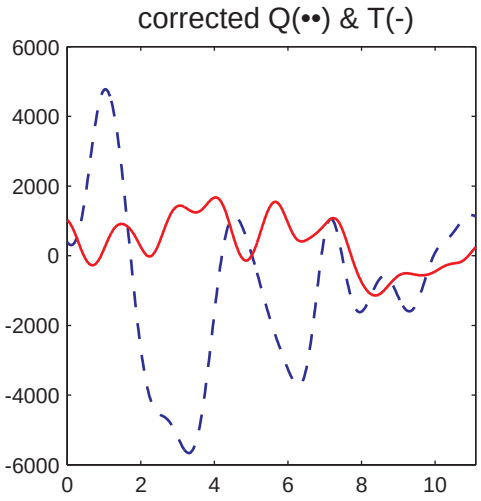


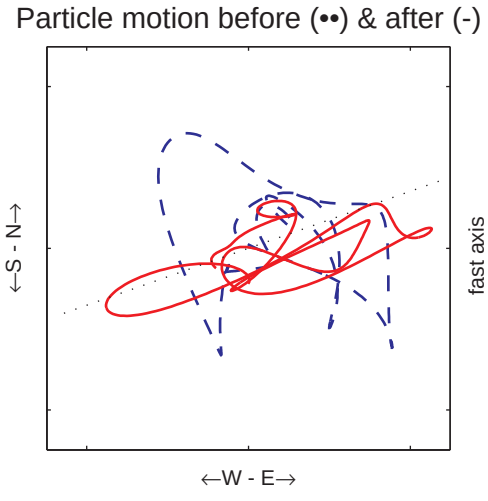


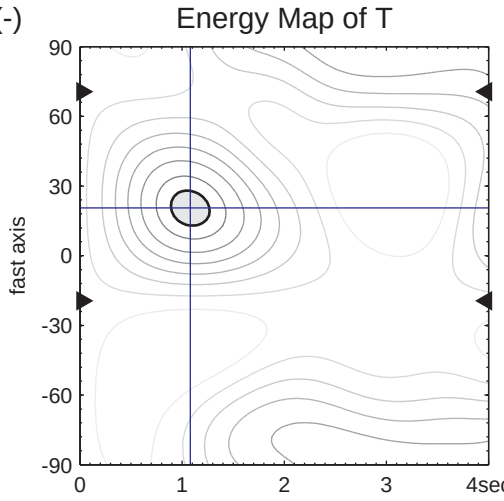


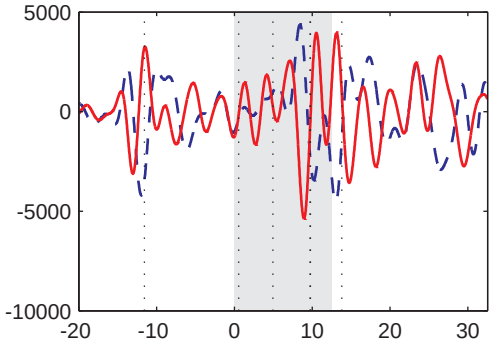








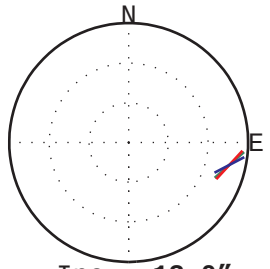




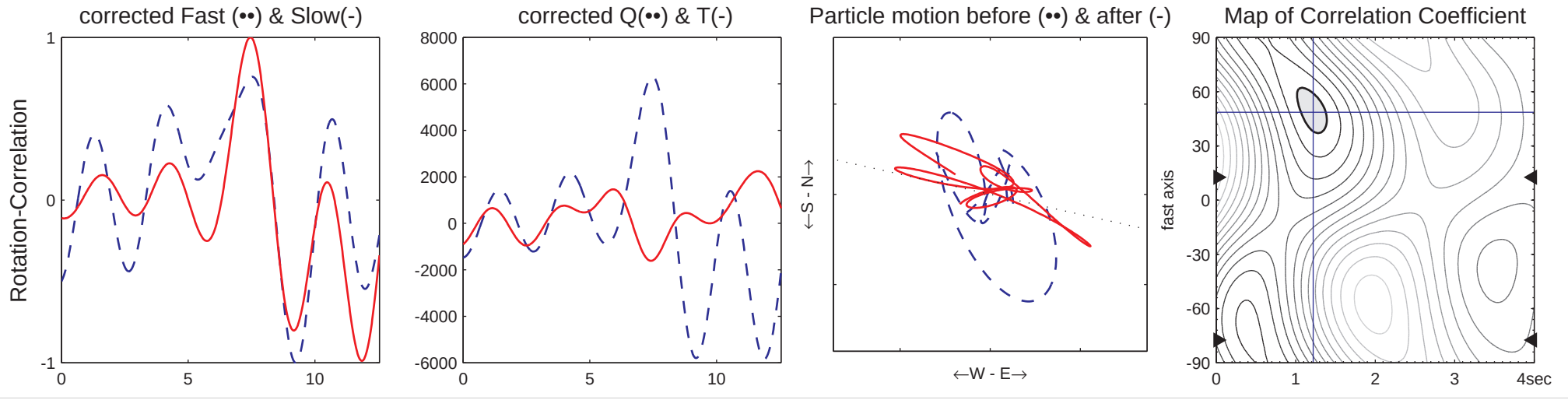
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **AFSR** Backazimuth: **102.6”** Distance: **89.47”**
init.Pol.: **309.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

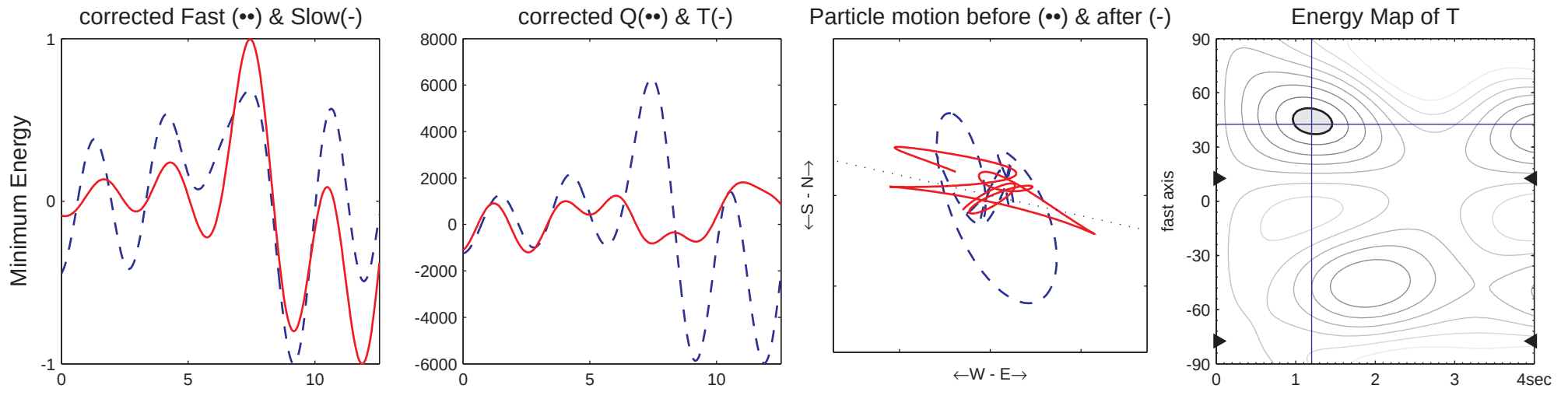
Rotation Correlation:	37<	49° <	62	1.0<1.2s<1.4
Minimum Energy:	37<	43° <	52	1.0<1.2s<1.4
Eigenvalue:	50<	63° <	80	0.7<1.0s<1.3

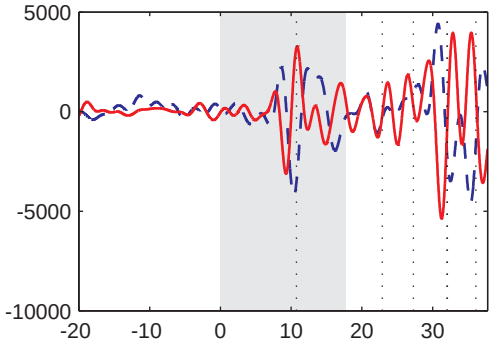
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



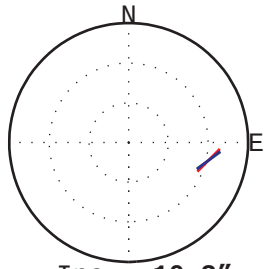




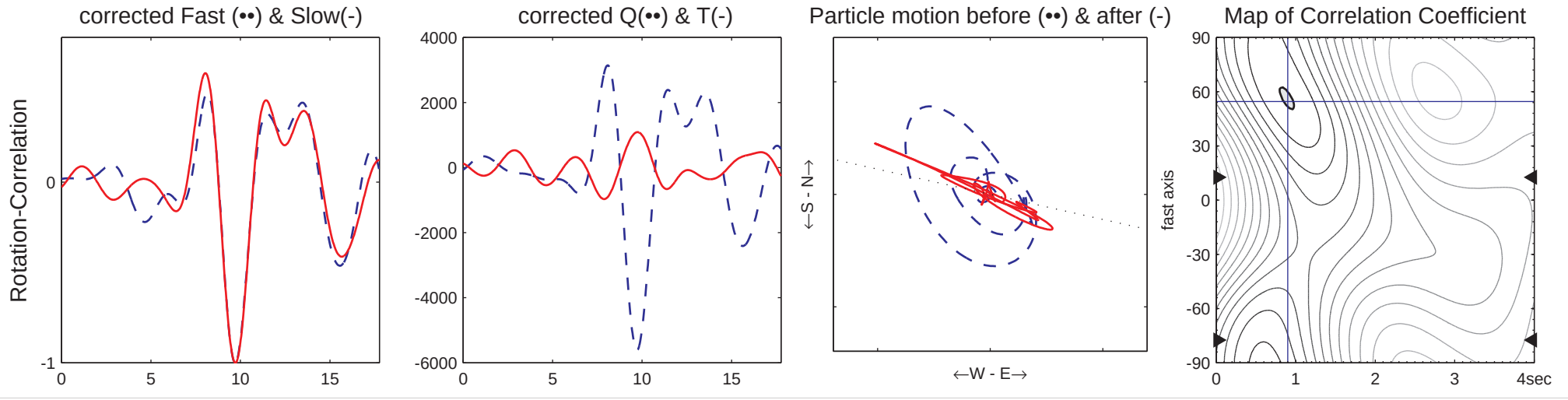
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **AFSR** Backazimuth: **102.6”** Distance: **89.47”**
init.Pol.: **292.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.0**

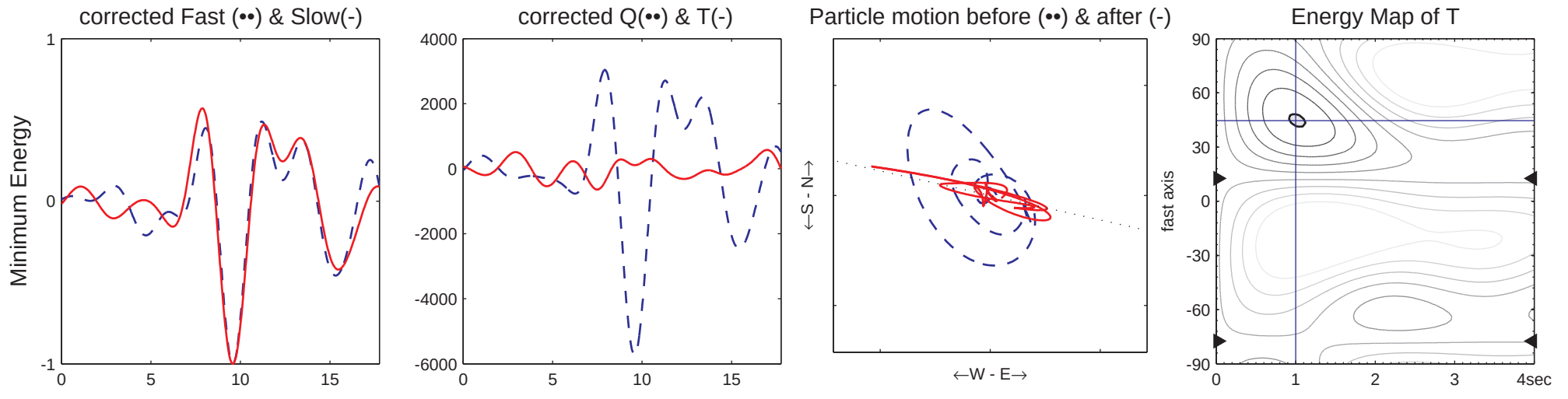
Rotation Correlation:	50<	55° <	63	0.8<0.9s<1.0
Minimum Energy:	41<	45° <	48	0.9<1.0s<1.1
Eigenvalue:	48<	53° <	62	0.8<0.9s<1.0

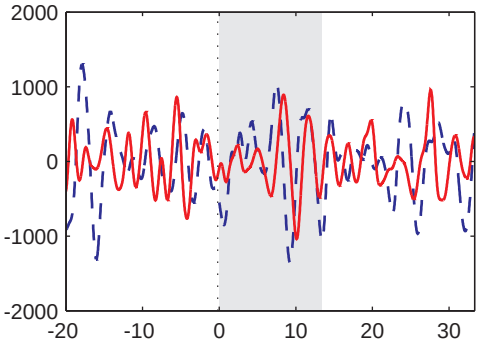
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.3”**



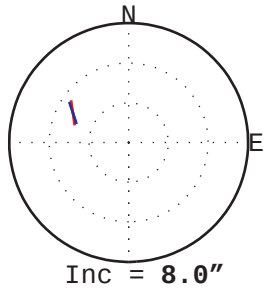


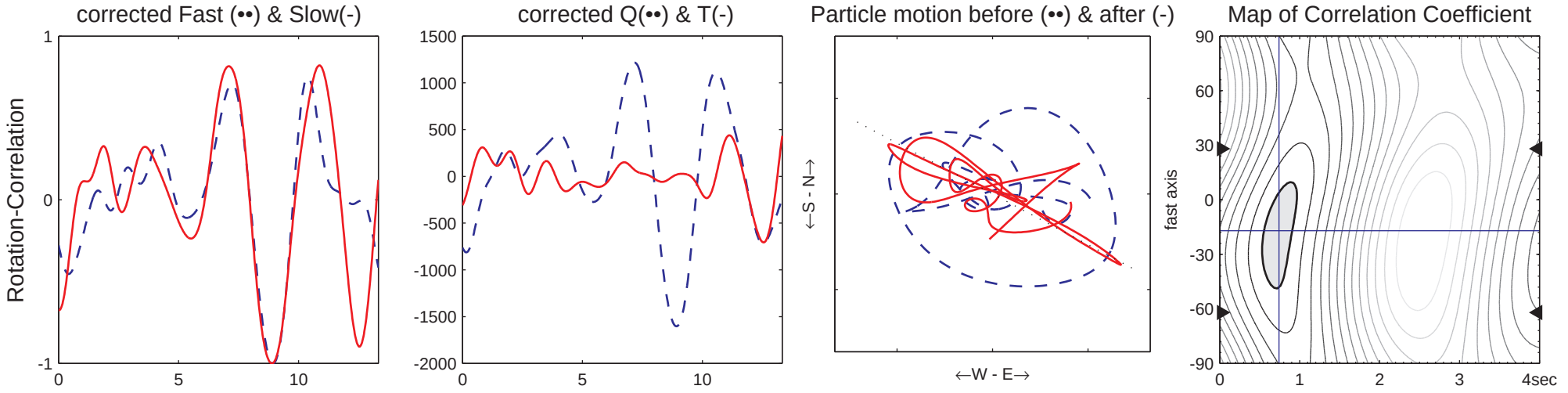


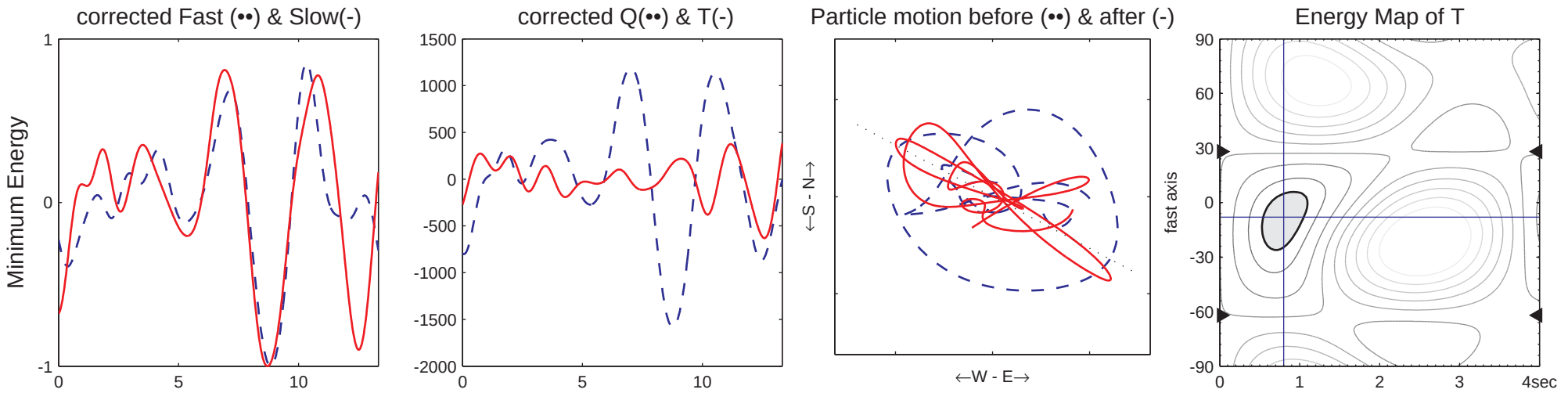
Event: **07-Nov-2011 (311) 22:35 11.56N -85.86E 177km Mw=6.0**
Station: **AFSR** Backazimuth: **298.0”** Distance: **103.81”**
init.Pol.: **110.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

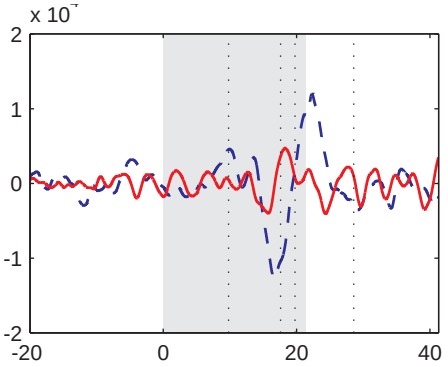
Rotation Correlation:	-50<	-17° <	9	0.5<0.7s<1.0
Minimum Energy:	-27<	-8° <	3	0.5<0.8s<1.1
Eigenvalue:	-64<	-18° <	23	0.4<0.7s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





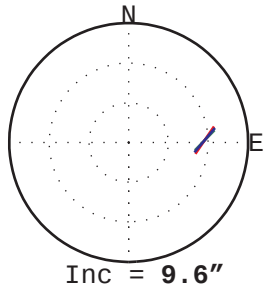


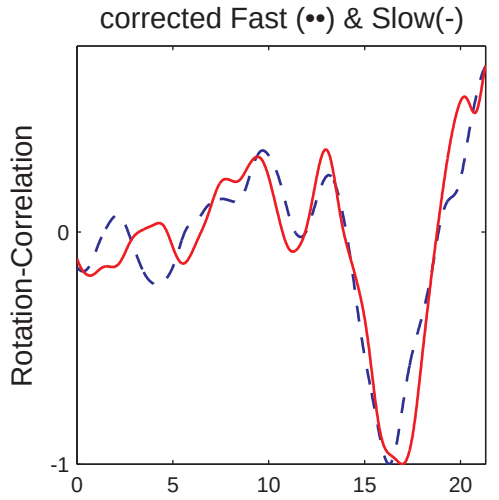


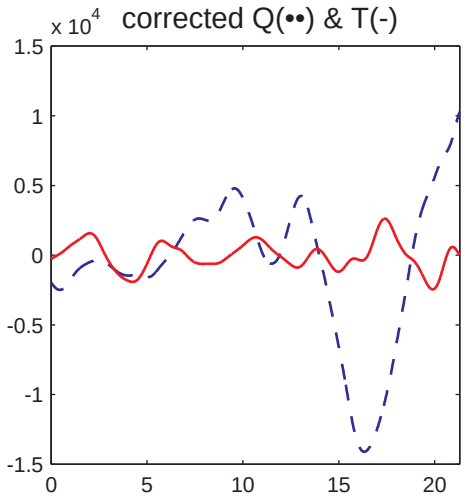
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **AFSR** Backazimuth: **88.3”** Distance: **93.57”**
init.Pol.: **270.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.1**

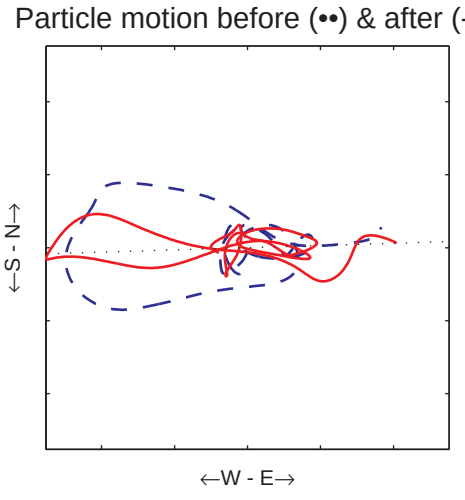
Rotation Correlation:	30<	44° <	58	0.6<0.9s<1.2
Minimum Energy:	21<	34° <	54	0.7<1.0s<1.4
Eigenvalue:	21<	40° <	64	0.8<1.0s<1.4

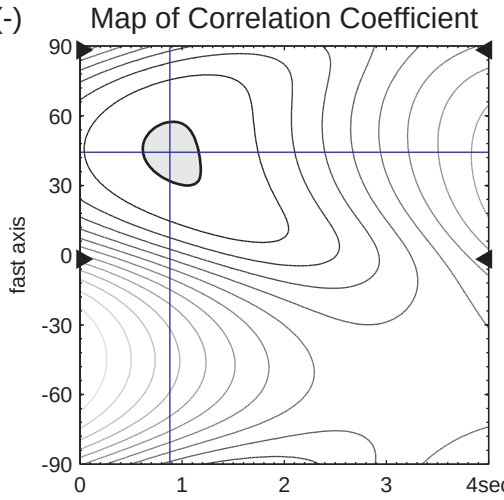
Quality: **fair** IsNull: **No** Phase: **SKS**

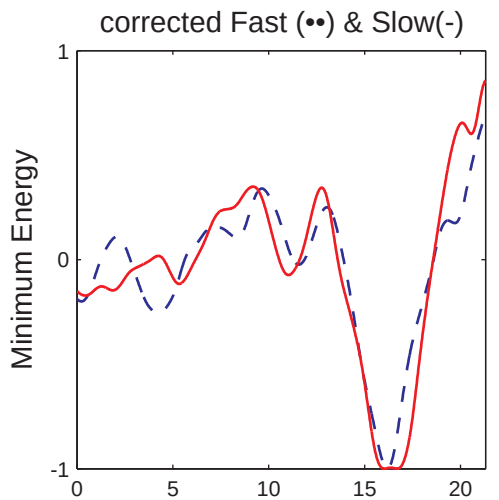


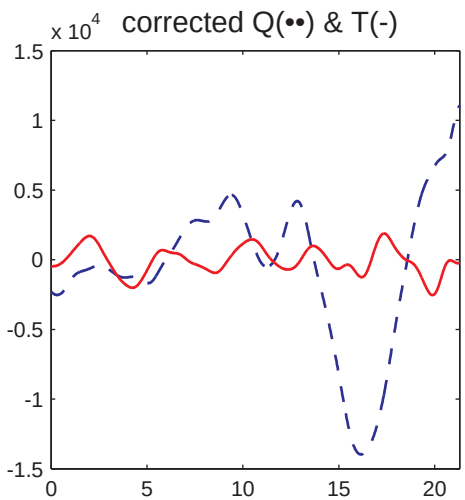


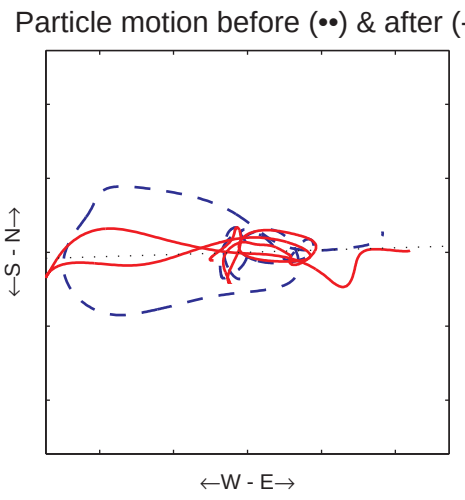


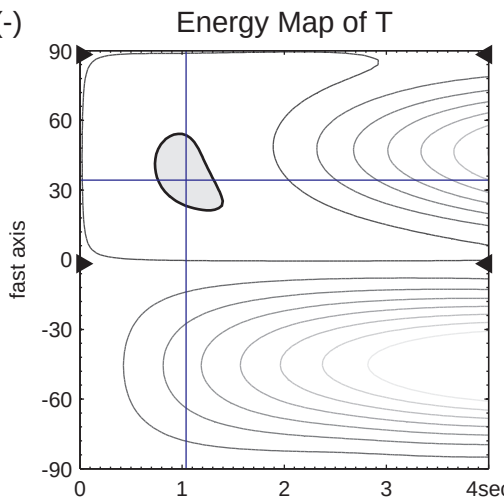


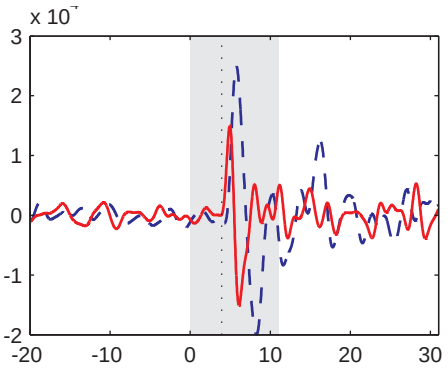








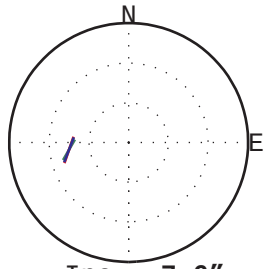


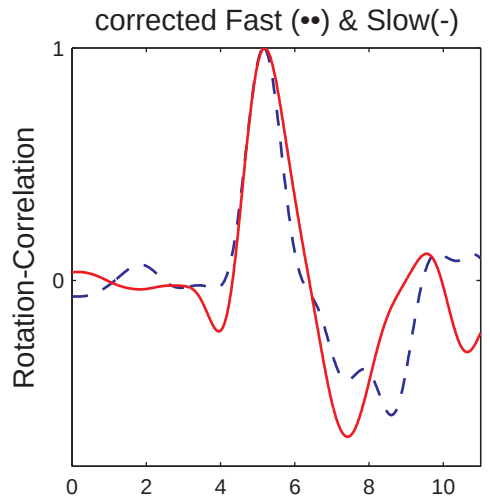


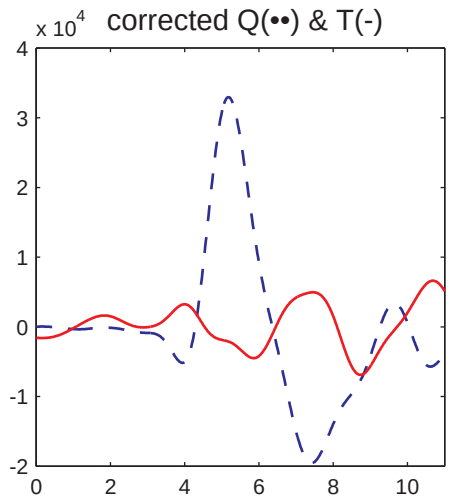
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **AFSR** Backazimuth: **263.0”** Distance: **105.90”**
init.Pol.: **85.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.9**

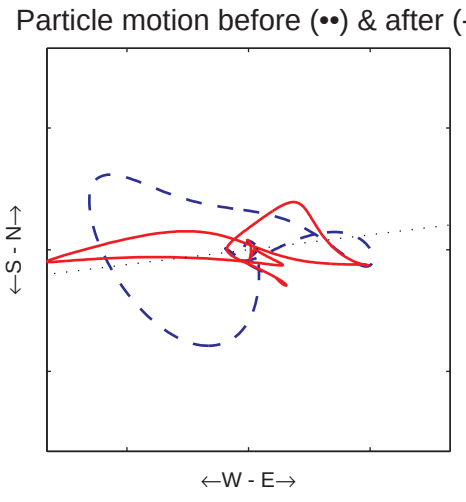
Rotation Correlation:	22<	30° <	43	0.6<0.7s<0.9
Minimum Energy:	11<	19° <	27	0.7<0.9s<1.1
Eigenvalue:	9<	21° <	37	0.6<0.8s<1.1

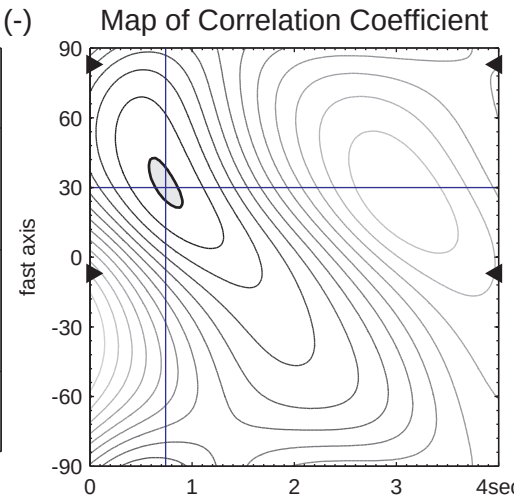
Quality: **fair** IsNull: **No** Phase: **SKS**

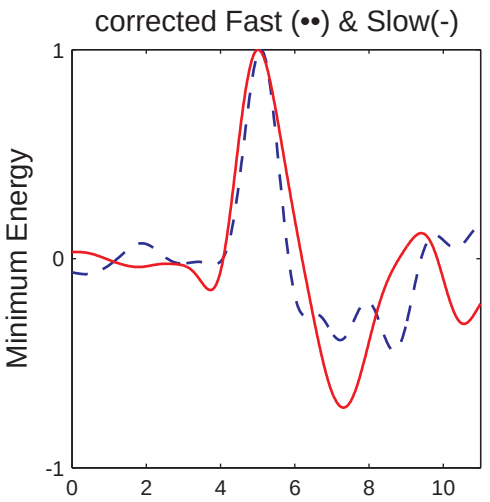


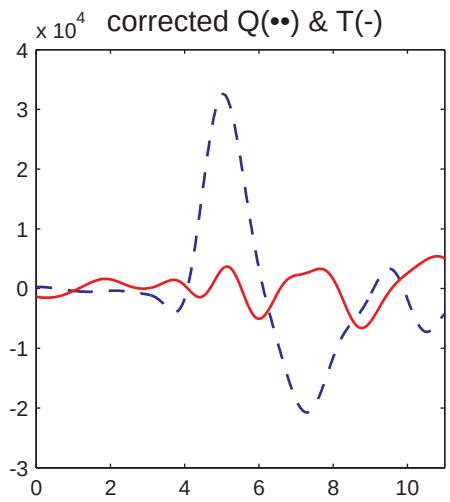


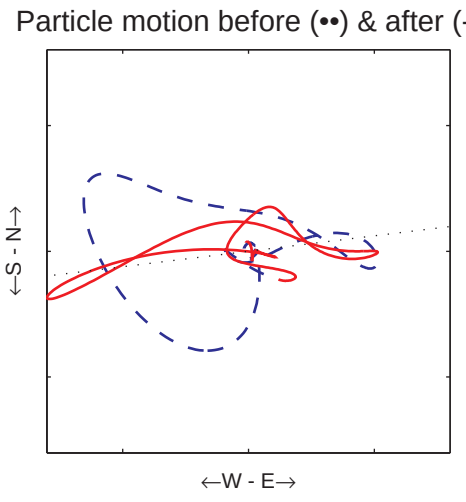


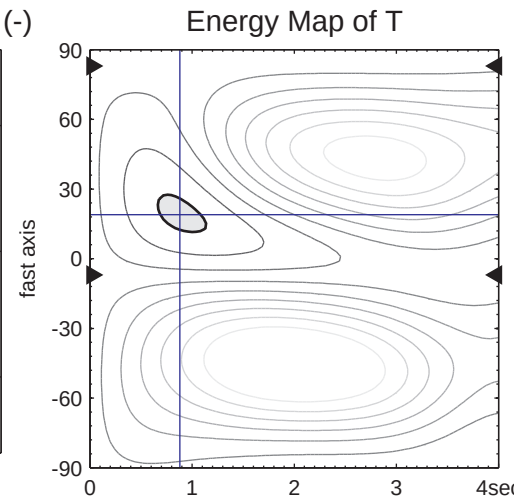


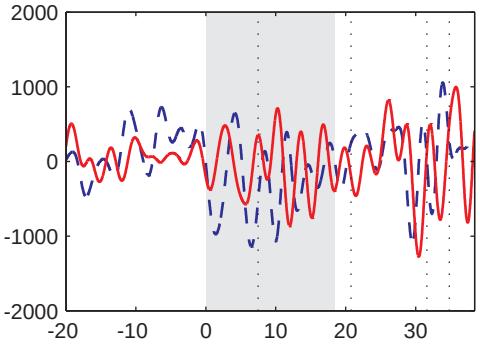








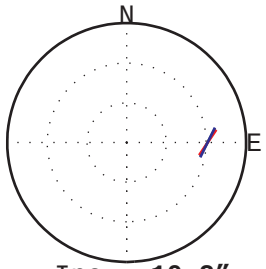




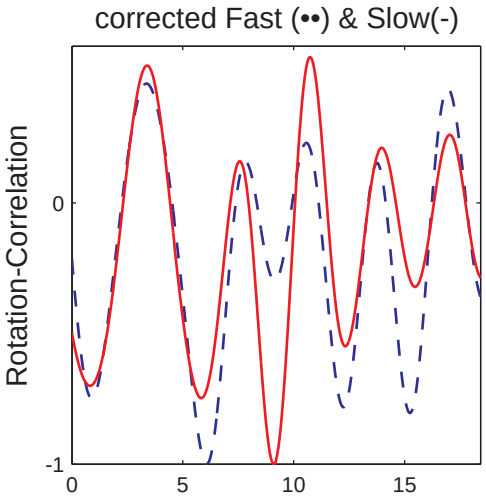
Event: **13-Dec-2011 (347) 07:52 0.04N 123.03E 161km Mw=6.0**
Station: **AFSR** Backazimuth: **90.0”** Distance: **89.94”**
init.Pol.: **261.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

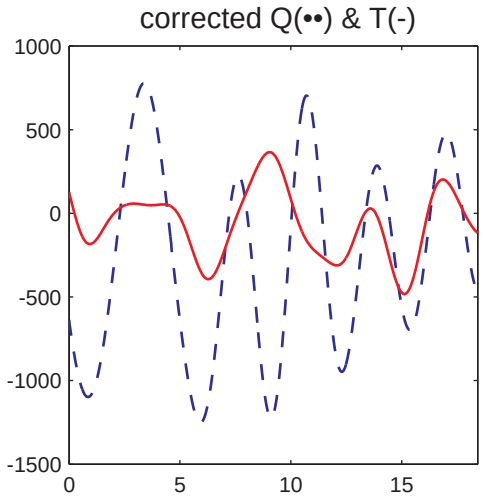
Rotation Correlation:	21<	29° <	40	0.8<1.0s<1.1
Minimum Energy:	25<	34° <	43	0.7<1.0s<1.2
Eigenvalue:	5<	26° <	50	0.8<1.0s<1.3

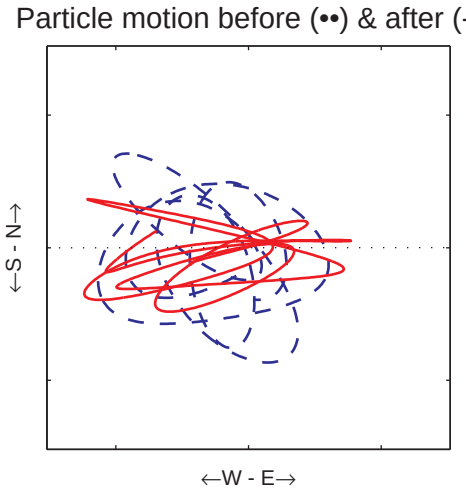
Quality: **good** IsNull: **No** Phase: **SKS**

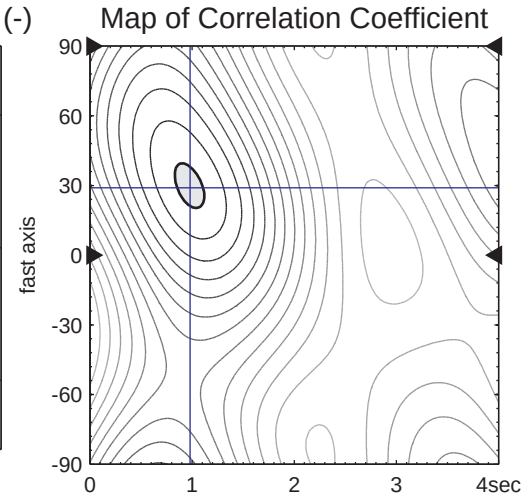


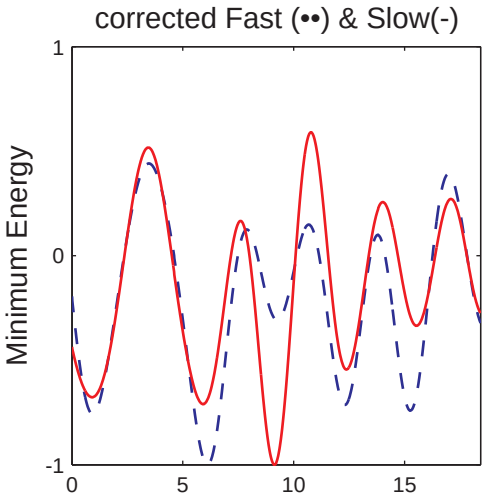
Inc = **10.2”**

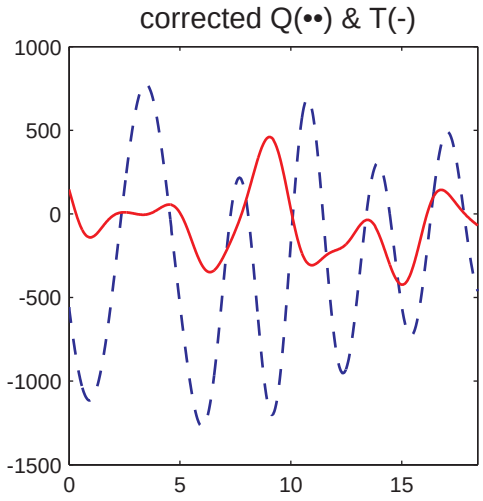


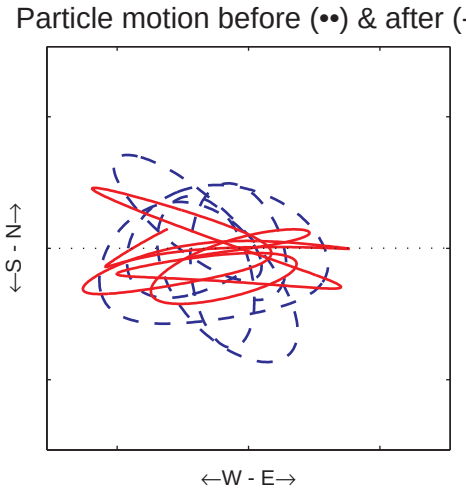


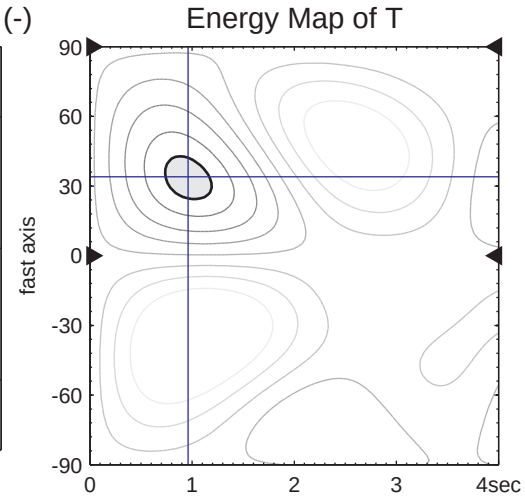


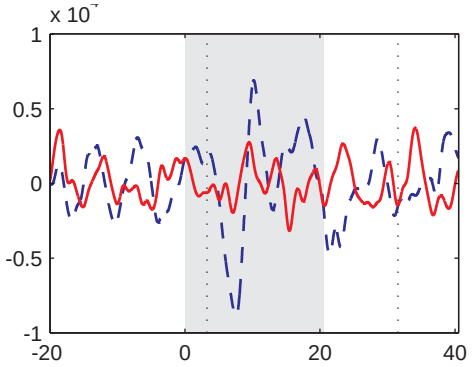








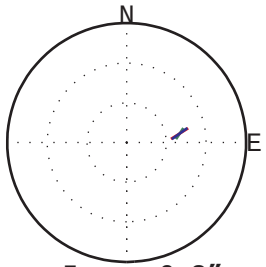


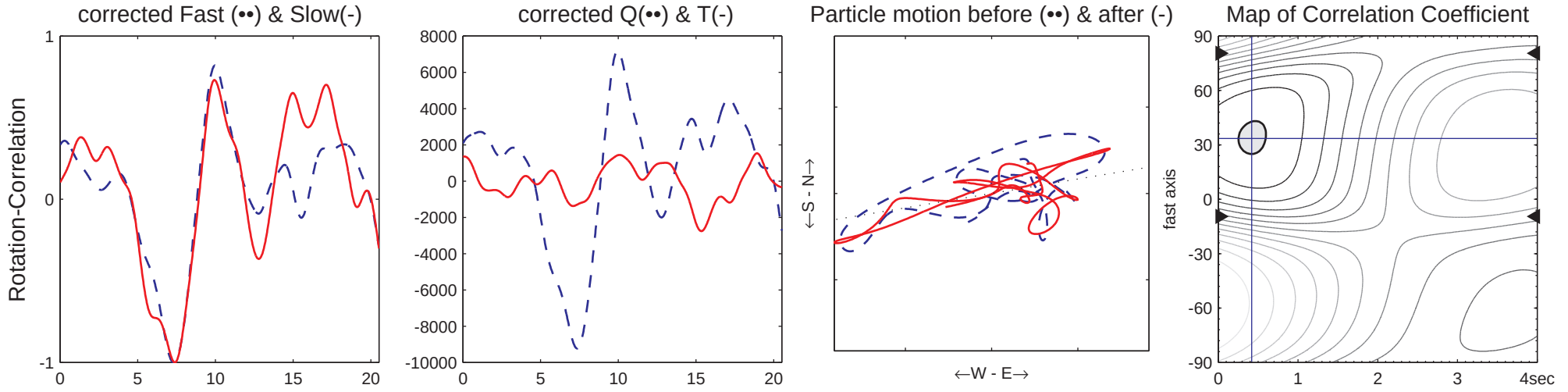


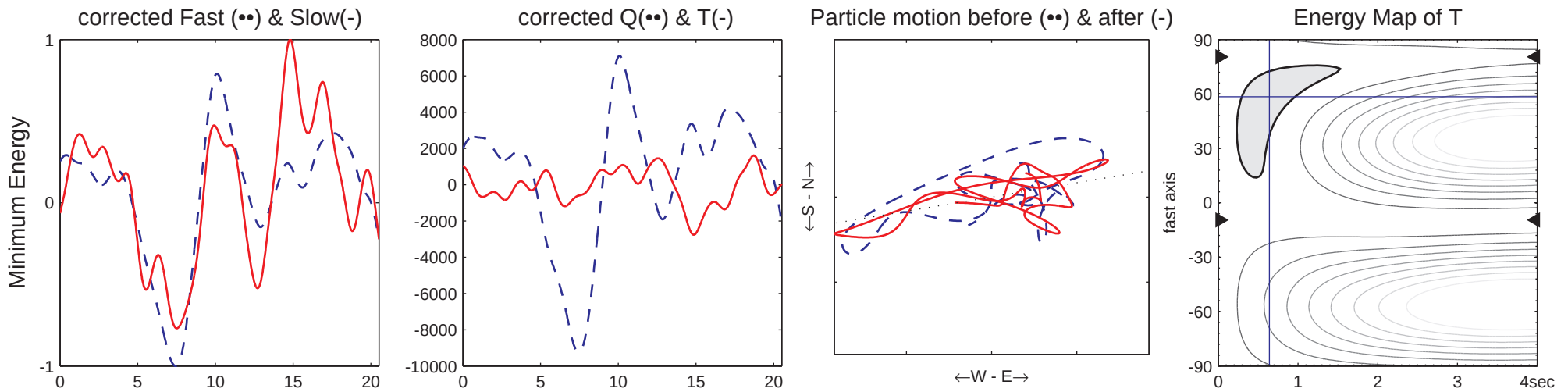
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **AFSR** Backazimuth: **80.5”** Distance: **113.06”**
init.Pol.: **258.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

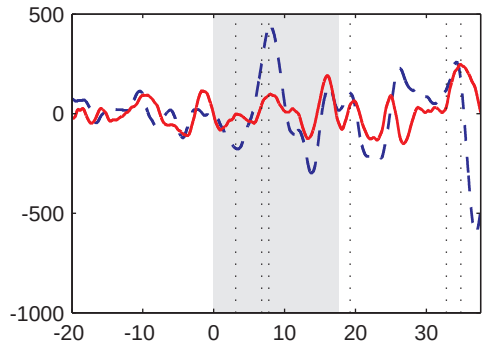
Rotation Correlation:	25<	33° <	43	0.2<0.4s<0.6
Minimum Energy:	13<	58° <	76	0.2<0.6s<1.5
Eigenvalue:	1<	54° <	78	0.2<0.6s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





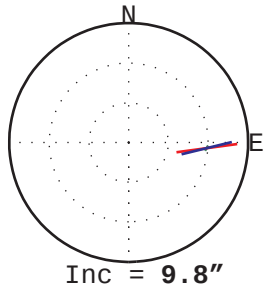


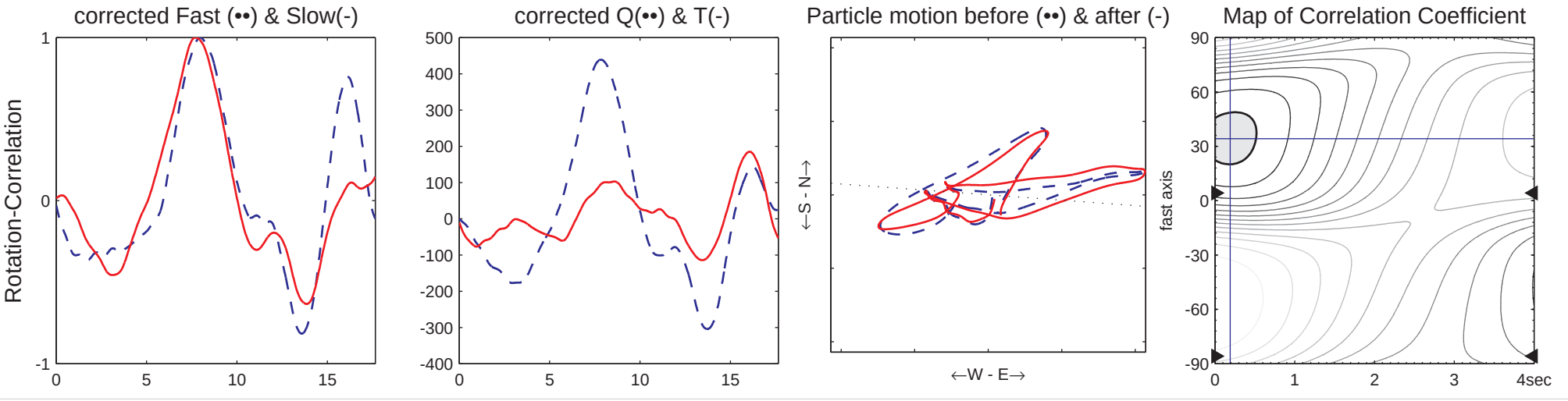


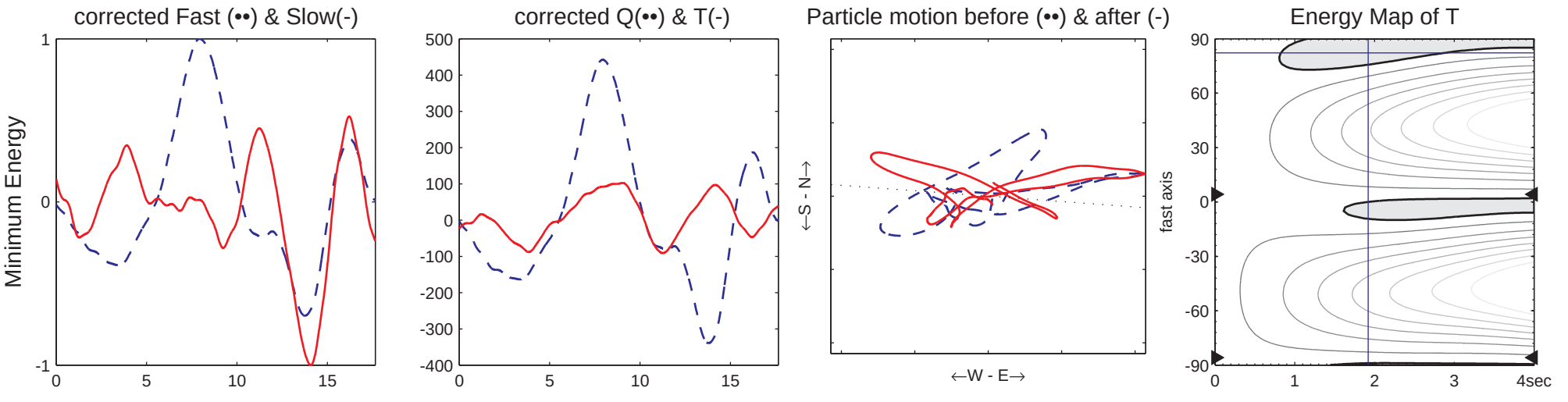
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **AKSY** Backazimuth: **94.2”** Distance: **92.09”**
init.Pol.: **263.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

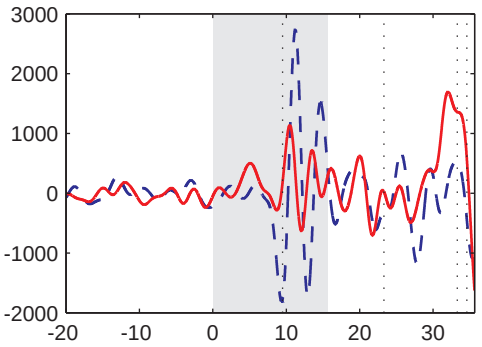
Rotation Correlation:	20<	34° <	49	0.0<0.2s<0.5
Minimum Energy:	74<	82° <	-90	0.8<1.9s<4.0
Eigenvalue:	-Inf<	76° <	Inf	0.0<1.6s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





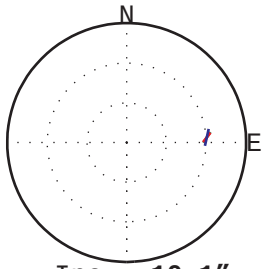




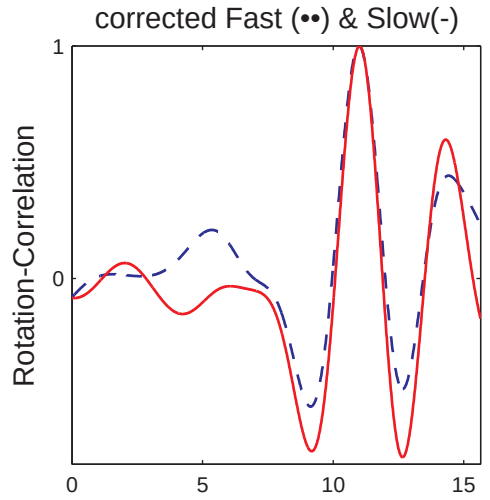
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **AKSY** Backazimuth: **86.4”** Distance: **90.53”**
init.Pol.: **257.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.8**

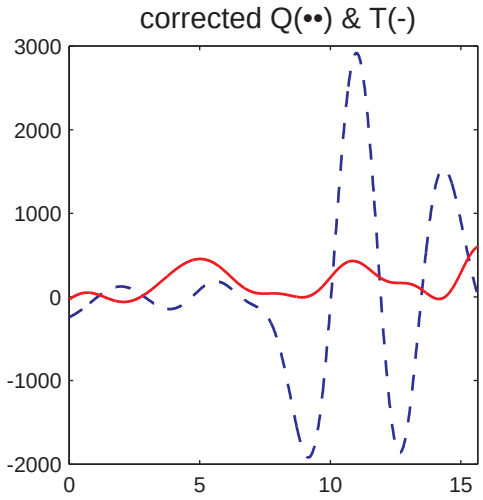
Rotation Correlation:	22<	34° <	47	0.3<0.4s<0.5
Minimum Energy:	19<	38° <	64	0.3<0.4s<0.5
Eigenvalue:	-1<	12° <	37	0.4<0.5s<0.8

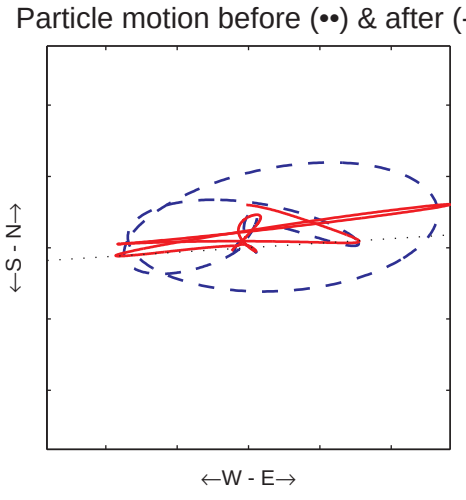
Quality: **good** IsNull: **No** Phase: **SKS**

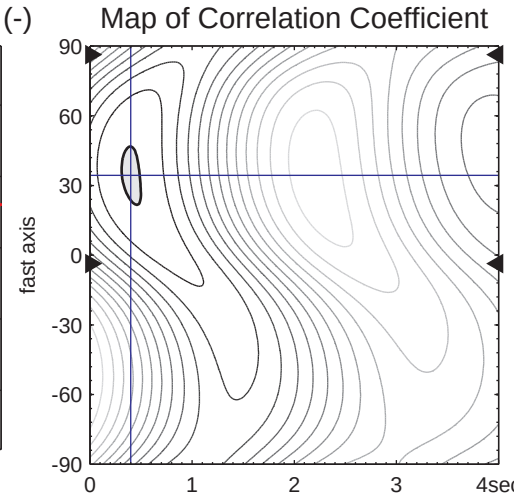


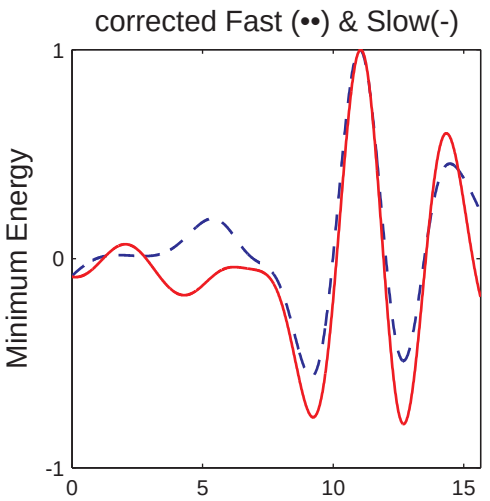
Inc = **10.1”**

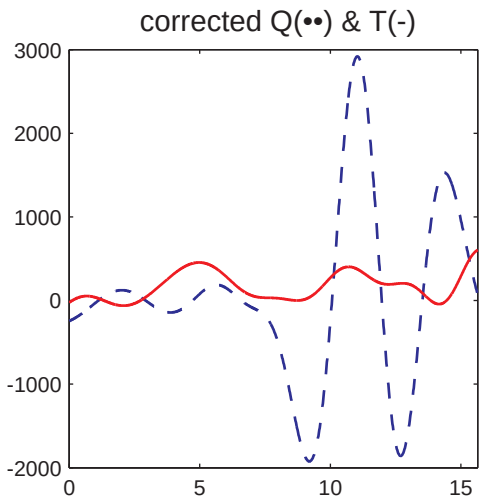


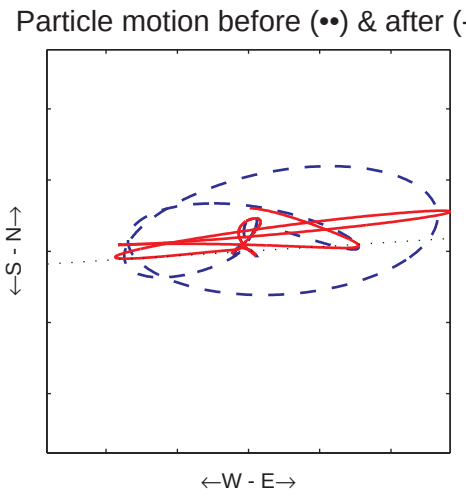


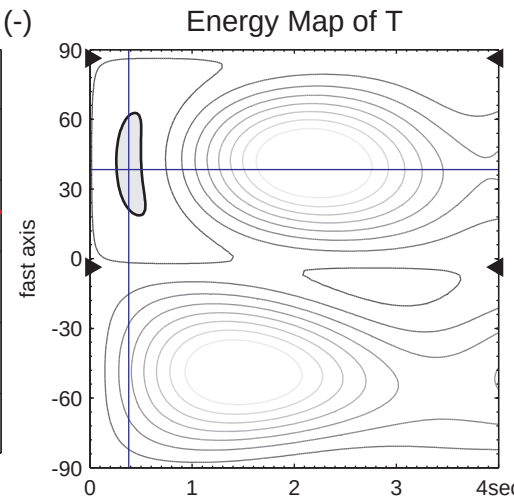


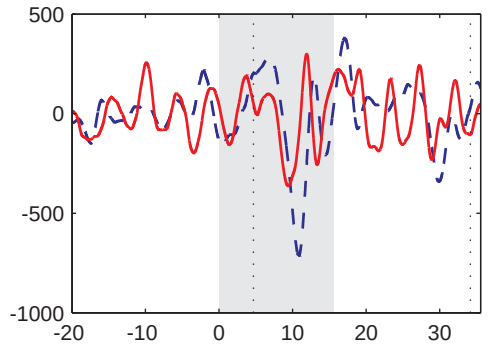








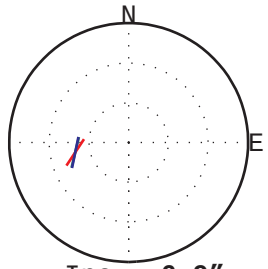




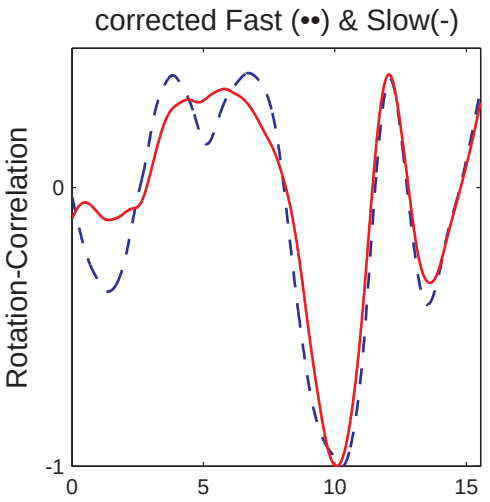
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km Mw=6.4**
Station: **AKSY** Backazimuth: **259.5”** Distance: **112.44”**
init.Pol.: **60.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

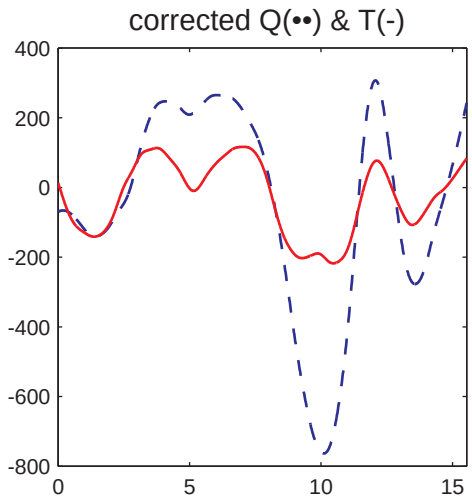
Rotation Correlation:	7<	14° <	24	0.9<1.0s<1.1
Minimum Energy:	21<	34° <	48	0.7<1.0s<1.3
Eigenvalue:	3<	12° <	21	0.9<1.0s<1.1

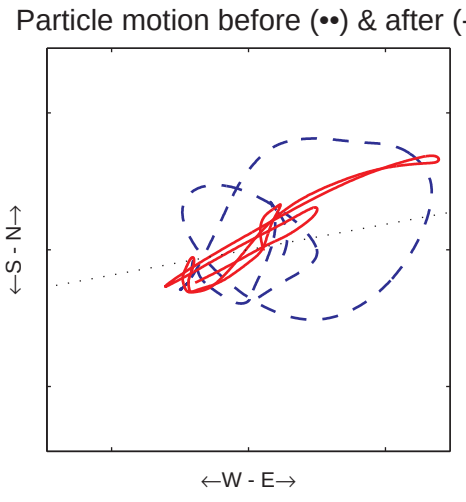
Quality: **fair** IsNull: **No** Phase: **SKS**

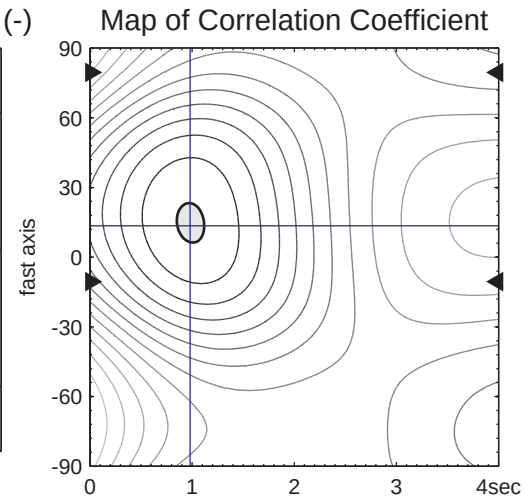


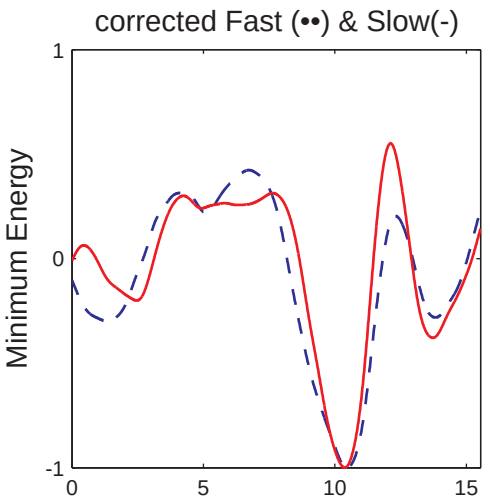
Inc = **6.9”**

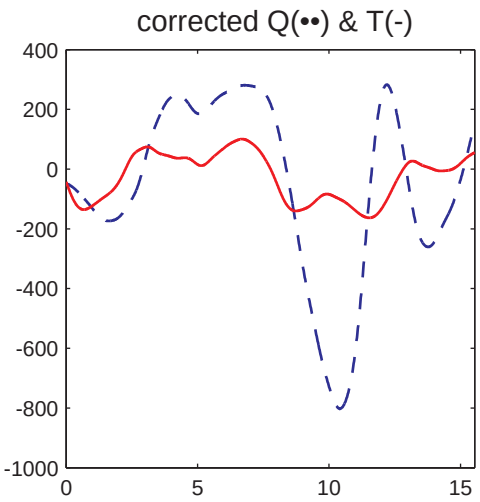


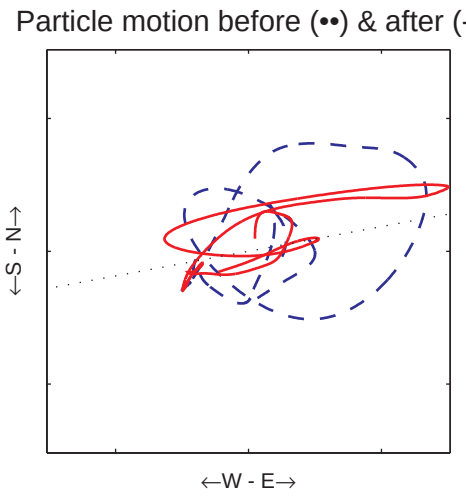


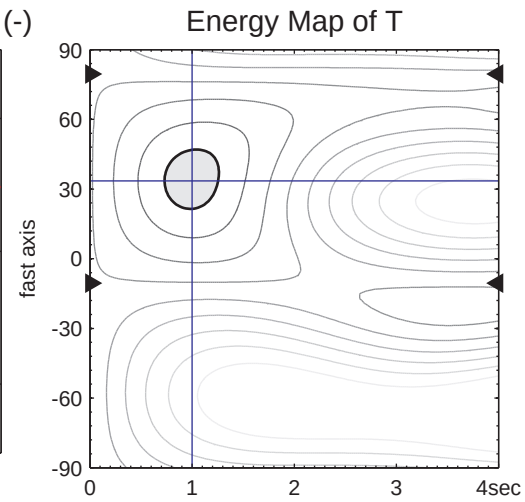


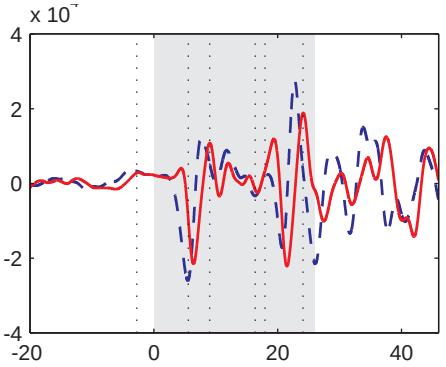








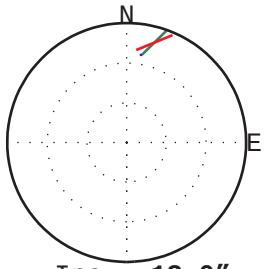


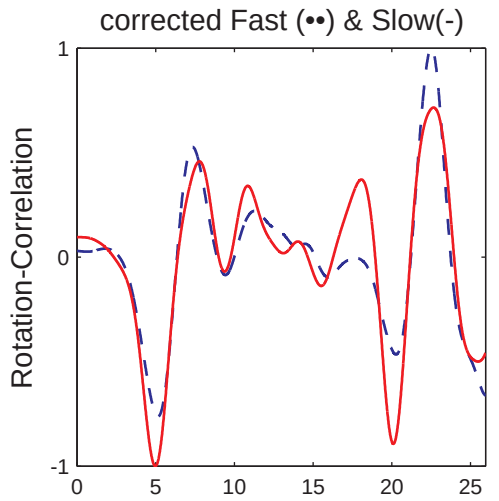


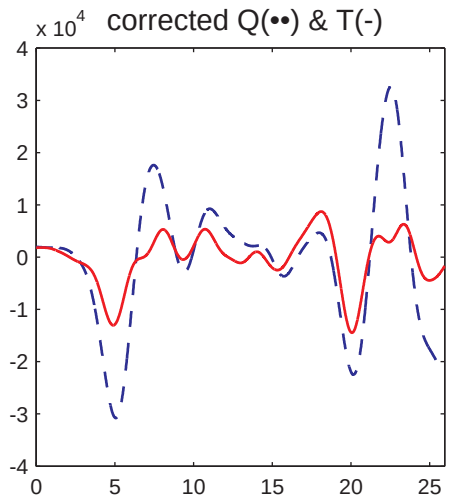
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **AKSY** Backazimuth: **15.4”** Distance: **86.60”**
init.Pol.: **178.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

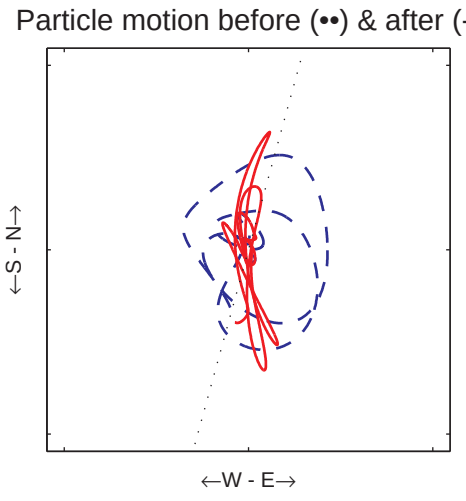
Rotation Correlation:	29<	45° <	63	1.0<1.1s<1.2
Minimum Energy:	60<	67° <	74	1.0<1.2s<1.4
Eigenvalue:	29<	47° <	66	1.0<1.1s<1.3

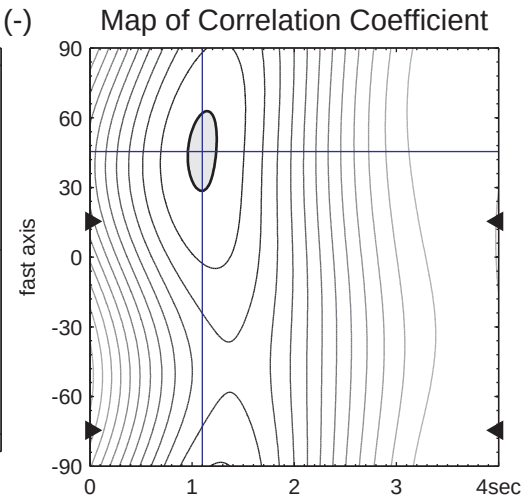
Quality: **fair** IsNull: **No** Phase: **SKKS**

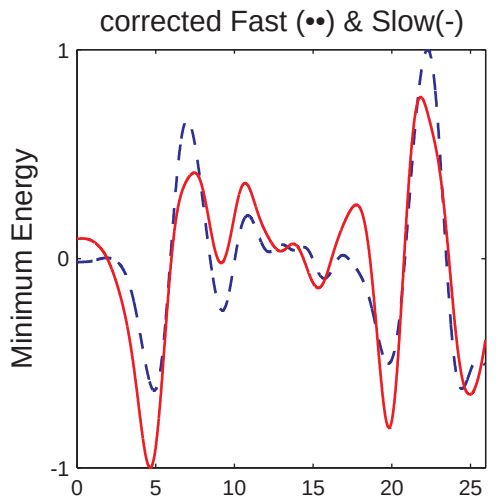


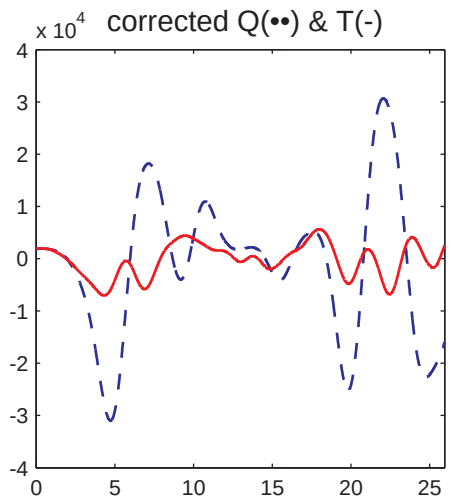


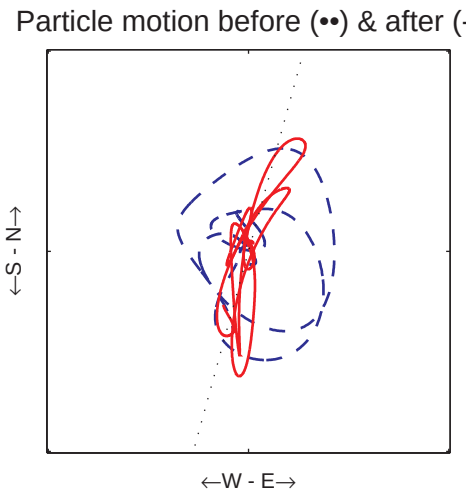


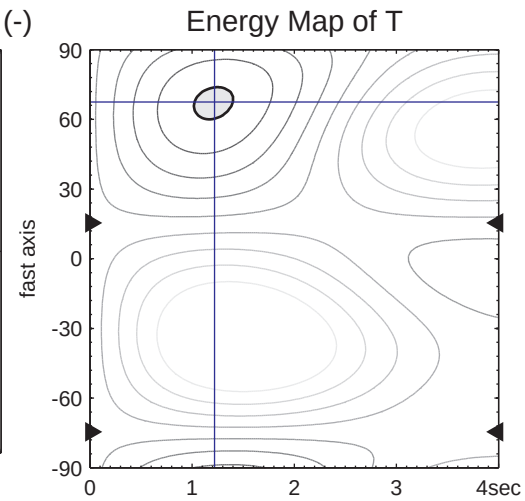


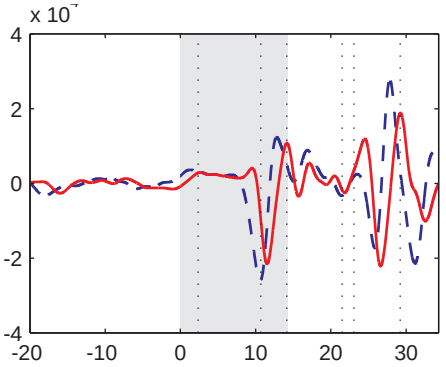








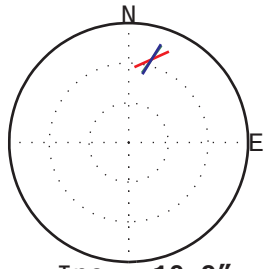


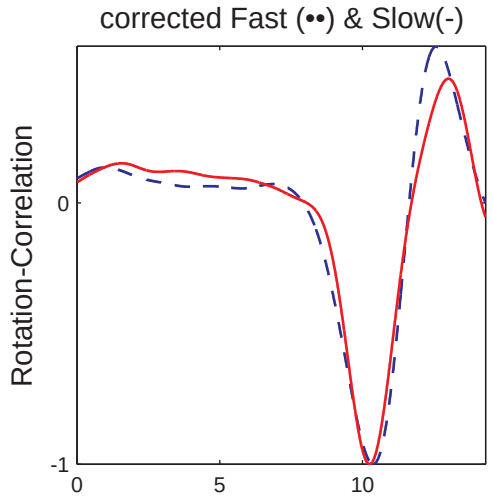


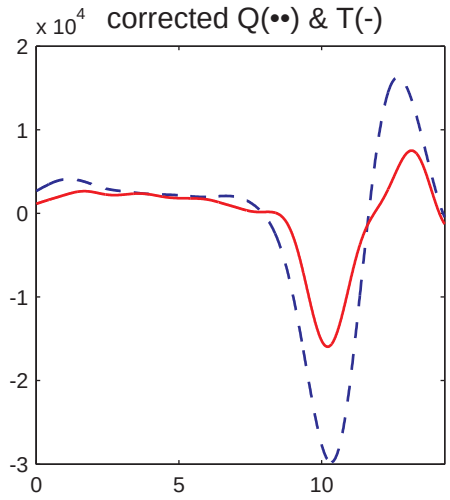
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **AKSY** Backazimuth: **15.4”** Distance: **86.60”**
init.Pol.: **167.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

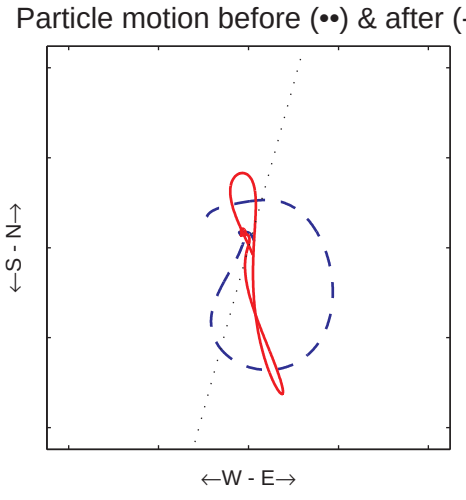
Rotation Correlation:	32<	35° <	41	1.0<1.1s<1.1
Minimum Energy:	60<	65° <	74	1.0<1.2s<1.4
Eigenvalue:	27<	31° <	37	1.0<1.1s<1.2

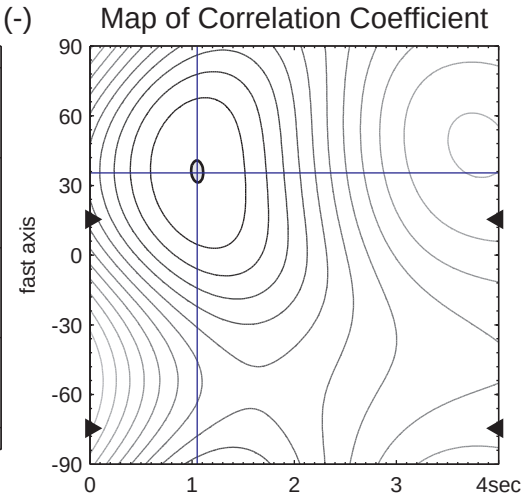
Quality: **fair** IsNull: **No** Phase: **SKS**

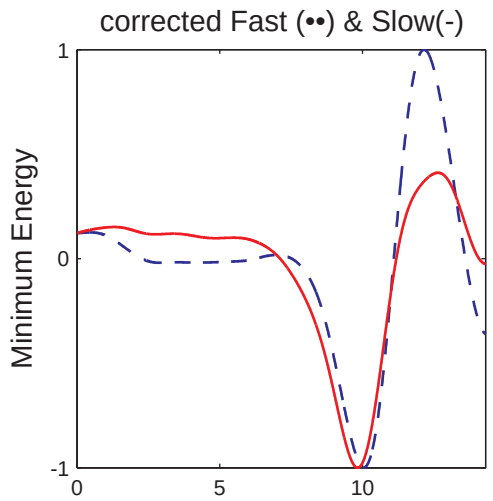


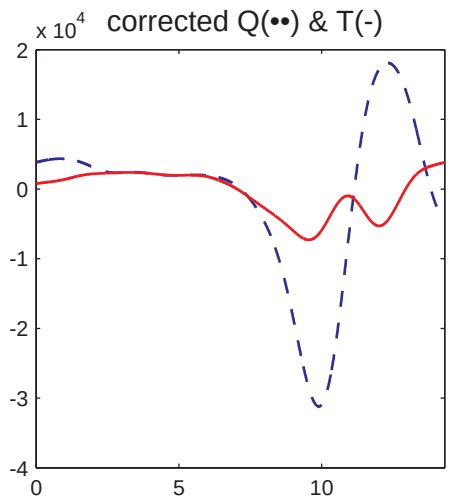


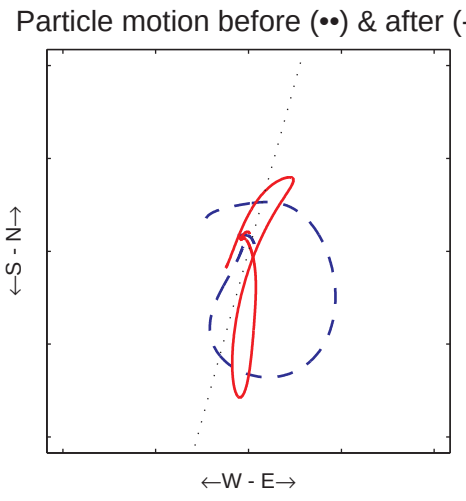


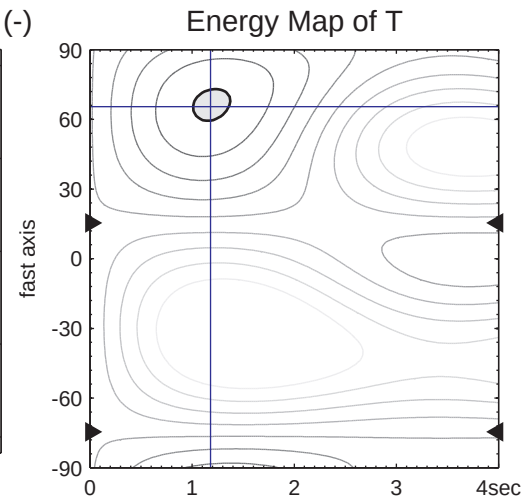


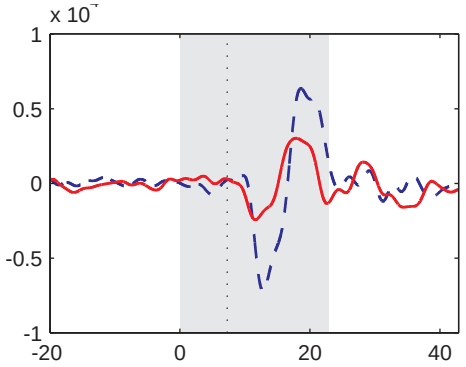








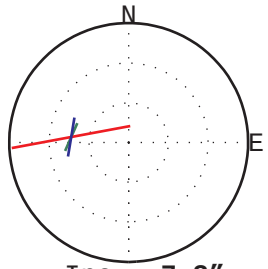


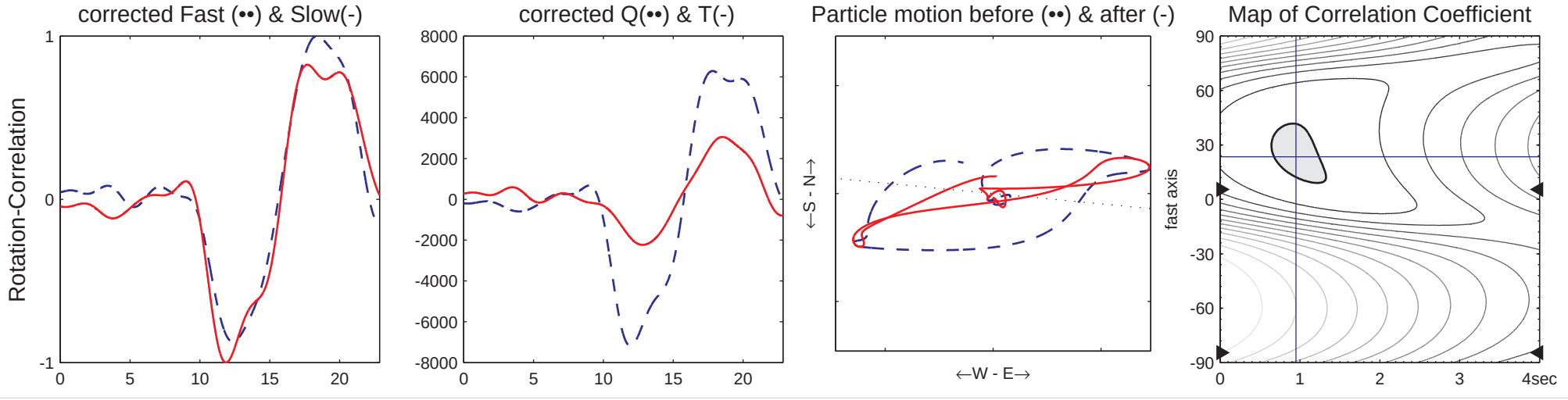


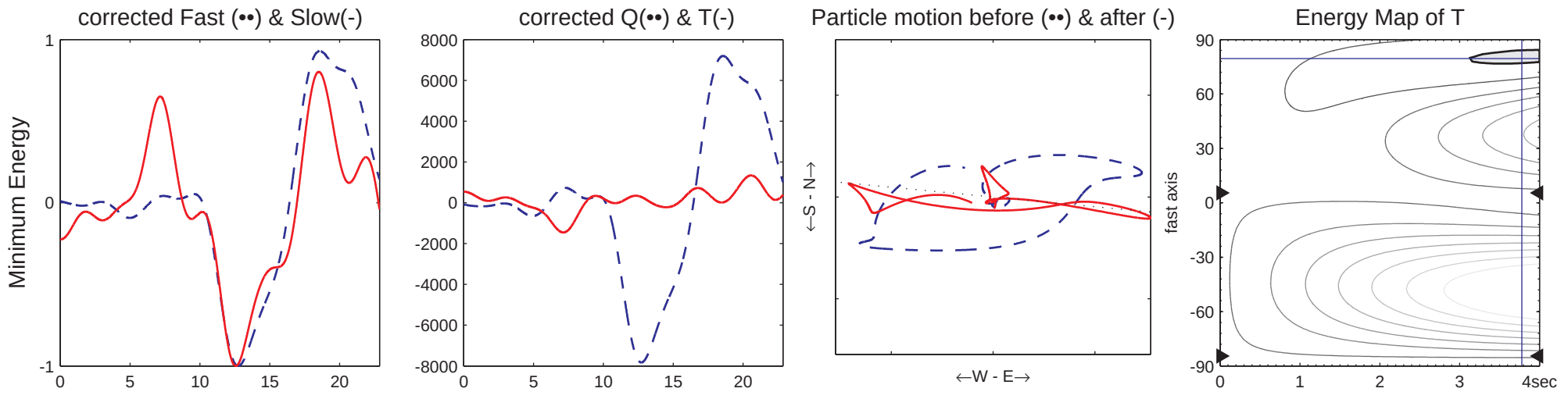
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **AKSY** Backazimuth: **275.5”** Distance: **109.02”**
init.Pol.: **74.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

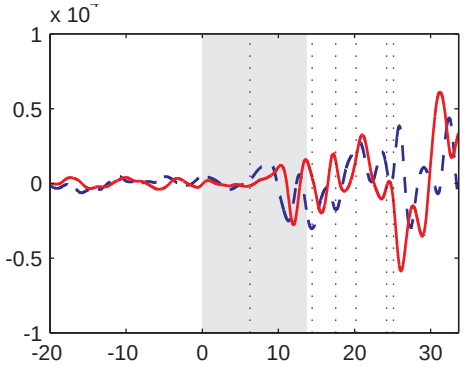
Rotation Correlation:	9<	23° <	42	0.6<1.0s<1.3
Minimum Energy:	76<	79° <	84	3.1<3.8s<4.0
Eigenvalue:	-3<	9° <	33	0.8<1.2s<1.8

Quality: **fair** IsNull: **Yes** Phase: **SKS**





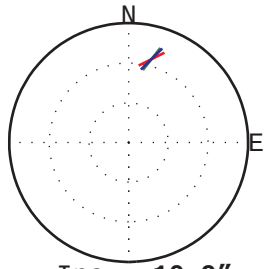


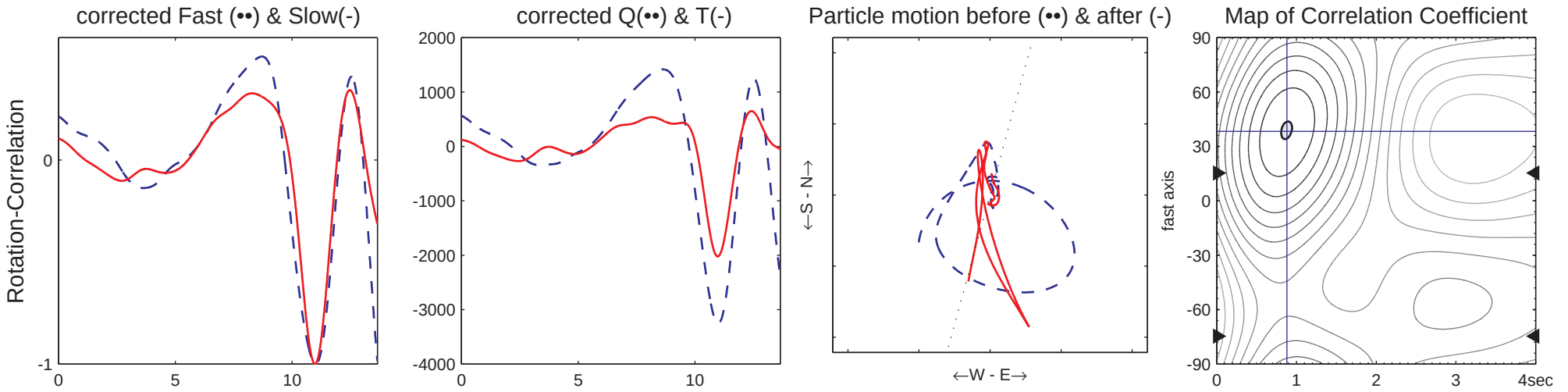


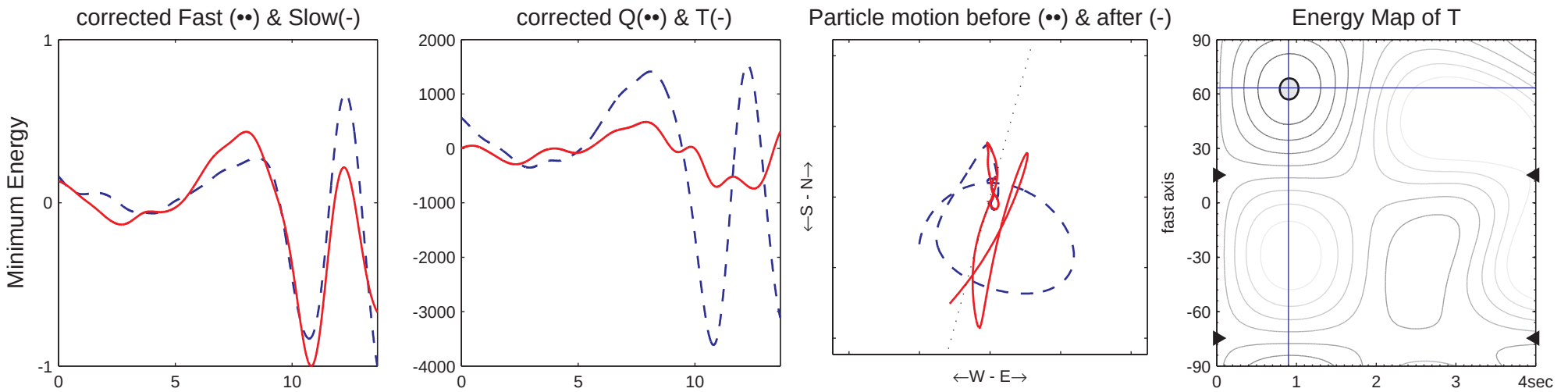
Event: **02-Sep-2011 (245) 10:55 52.17N -171.71E 32km Mw=6.9**
Station: **AKSY** Backazimuth: **15.3”** Distance: **86.51”**
init.Pol.: **174.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

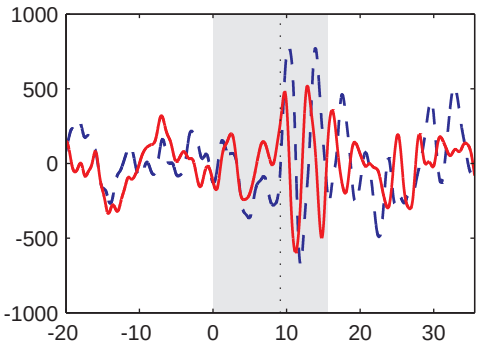
Rotation Correlation:	34<	38° <	44	0.8<0.9s<0.9
Minimum Energy:	58<	63° <	68	0.8<0.9s<1.0
Eigenvalue:	41<	45° <	52	0.9<0.9s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





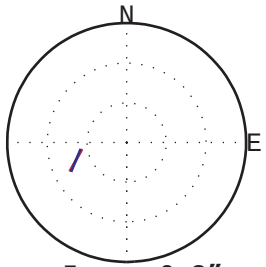




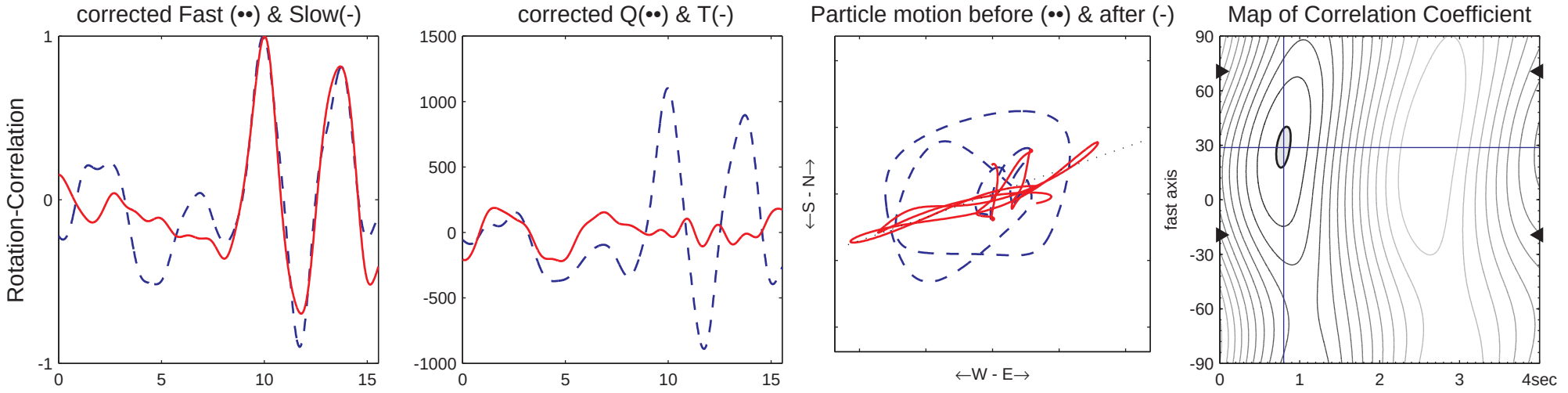
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **AKSY** Backazimuth: **250.7”** Distance: **112.23”**
init.Pol.: **65.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

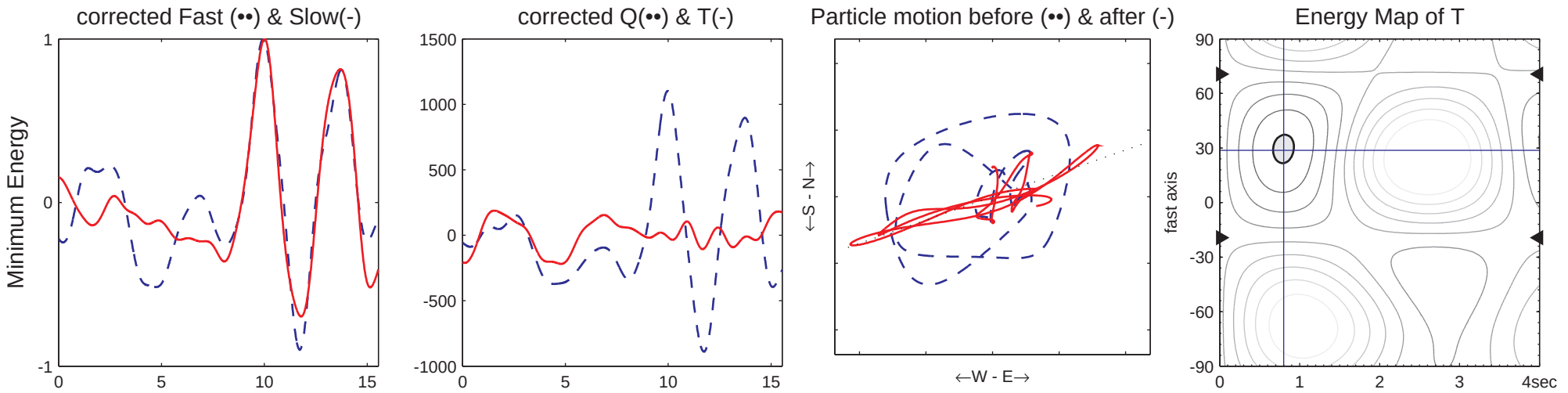
Rotation Correlation:	18<	29° <	41	0.7<0.8s<0.9
Minimum Energy:	21<	29° <	37	0.7<0.8s<0.9
Eigenvalue:	1<	23° <	41	0.7<0.8s<0.9

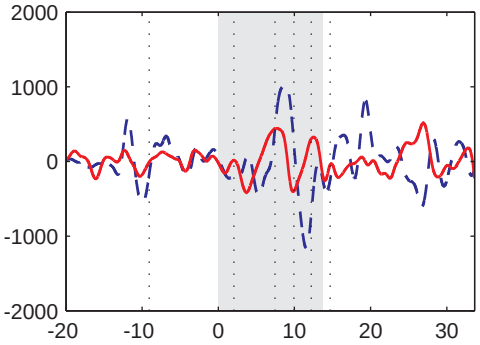
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



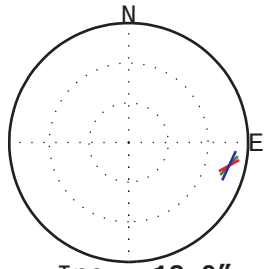




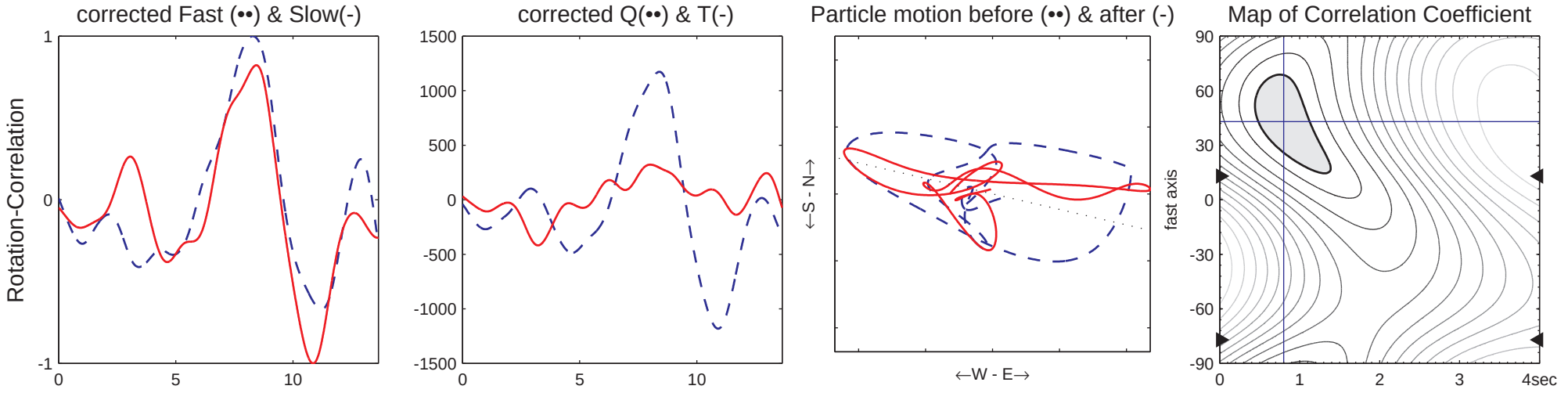
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **AKSY** Backazimuth: **103.0”** Distance: **88.77”**
init.Pol.: **267.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

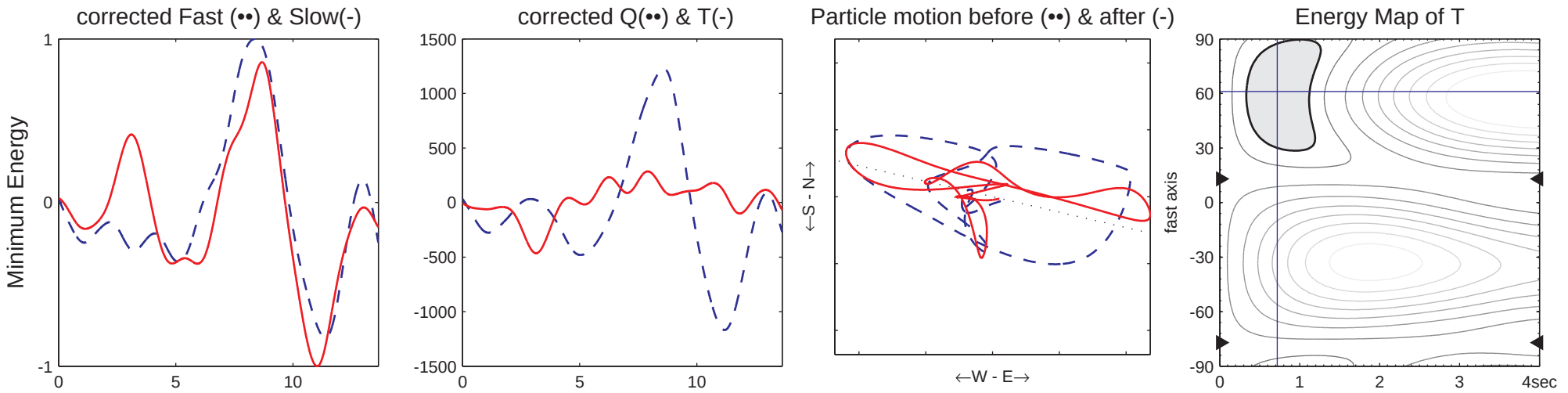
Rotation Correlation:	15<	43° <	69	0.4<0.8s<1.4
Minimum Energy:	29<	61° <	-92	0.3<0.7s<1.3
Eigenvalue:	1<	25° <	80	0.4<1.0s<1.8

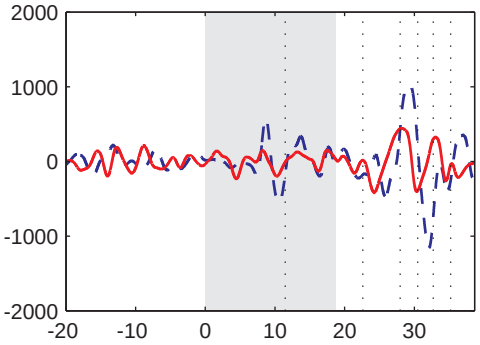
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



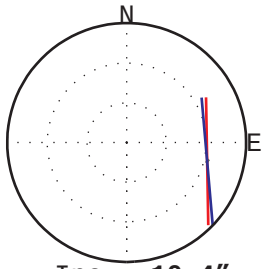




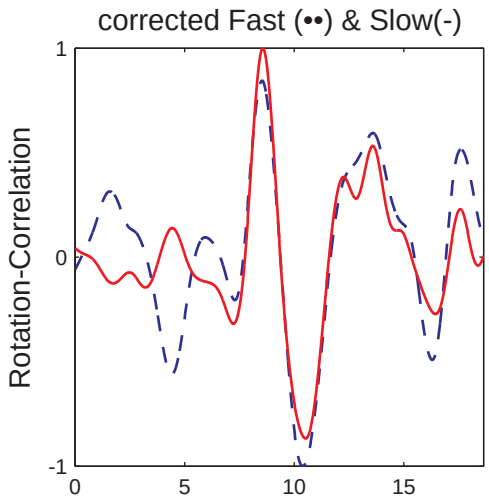
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **AKSY** Backazimuth: **103.0”** Distance: **88.77”**
init.Pol.: **277.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.7**

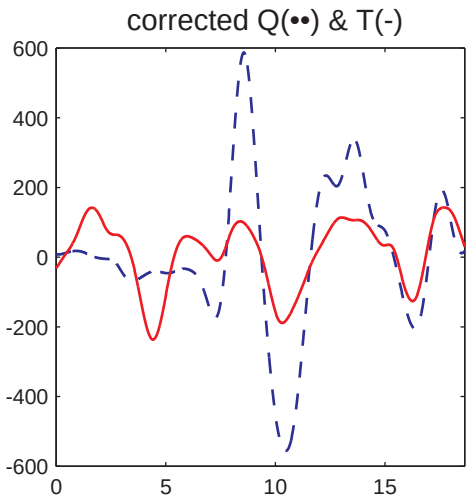
Rotation Correlation:	29<	39° <	50	0.0<0.1s<0.3
Minimum Energy:	-9<	-1° <	1	3.7<4.0s<4.0
Eigenvalue:	-13<	-5° <	-1	3.7<4.0s<4.0

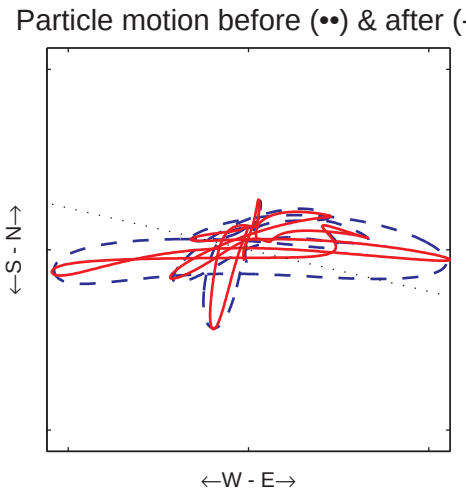
Quality: **good** IsNull: **Yes** Phase: **SKS**

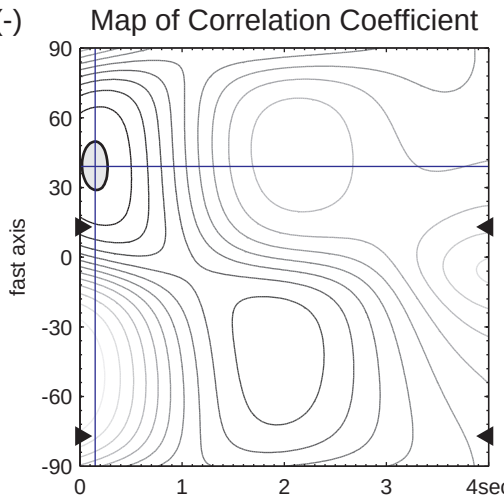


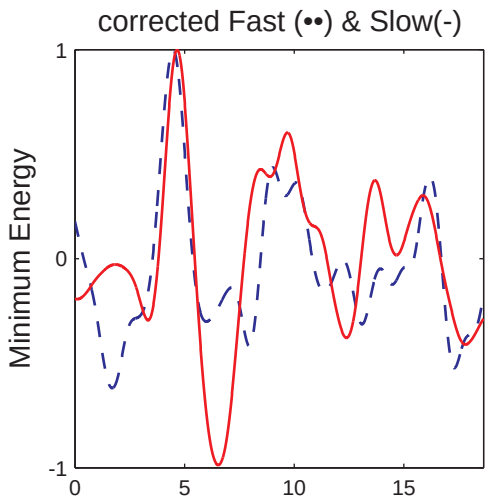
Inc = **10.4”**

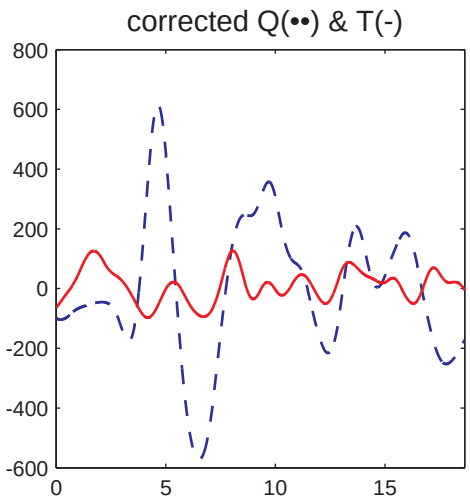


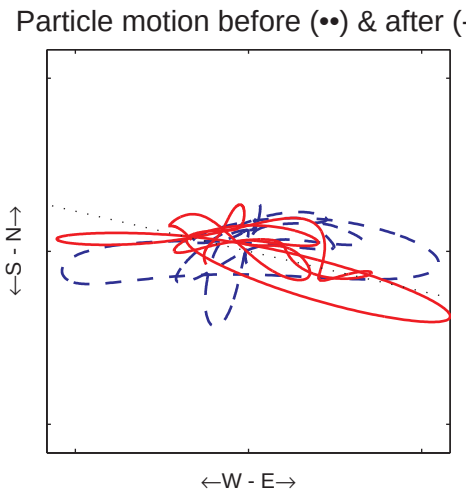


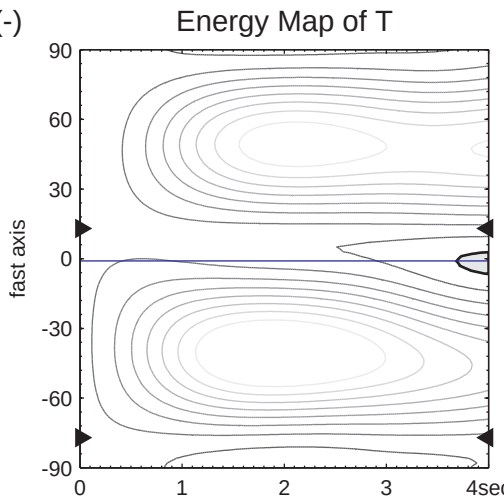


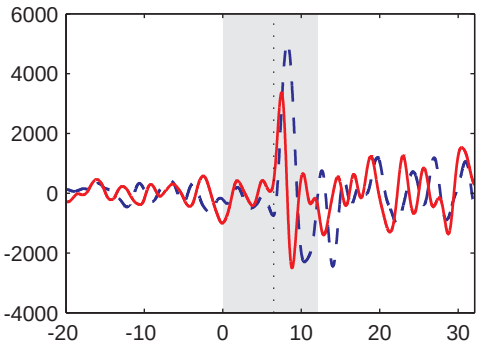








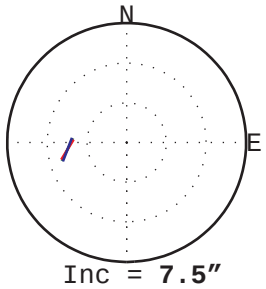


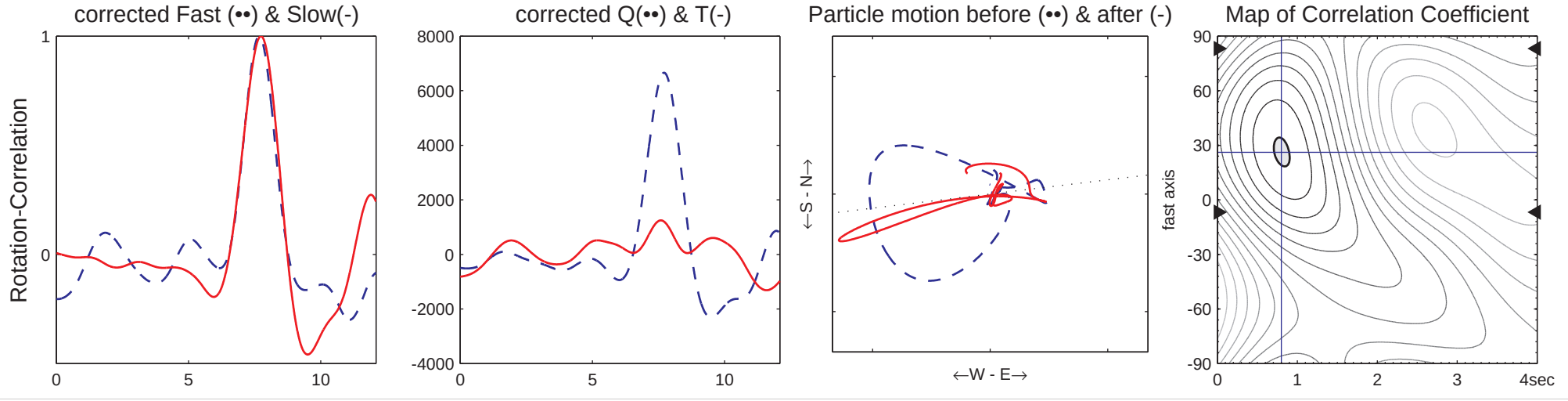


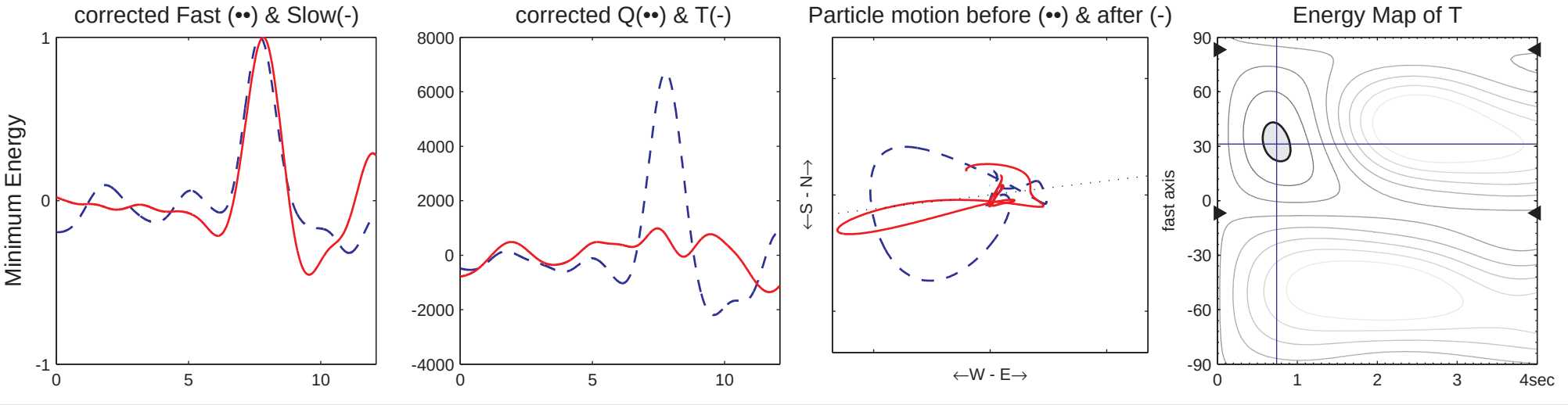
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **AKSY** Backazimuth: **263.2”** Distance: **106.34”**
init.Pol.: **73.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.9**

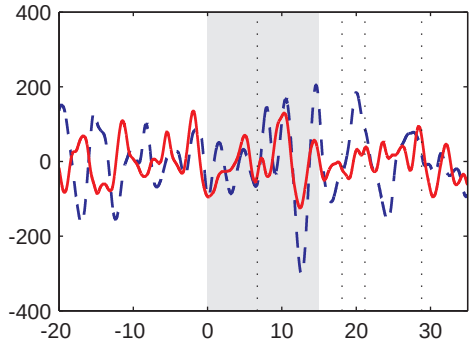
Rotation Correlation:	19<	26° <	35	0.7<0.8s<0.9
Minimum Energy:	21<	31° <	43	0.6<0.7s<0.9
Eigenvalue:	7<	21° <	35	0.6<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





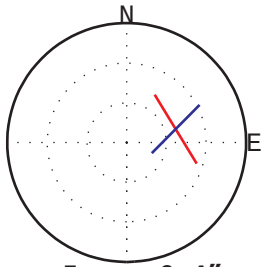




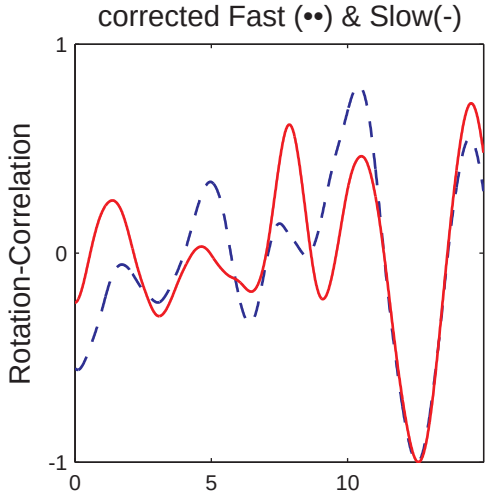
Event: **28-Nov-2011 (332) 12:26 -5.48N 153.73E 25km Mw=6.1**
Station: **AKSY** Backazimuth: **74.7”** Distance: **116.62”**
init.Pol.: **213.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.5**

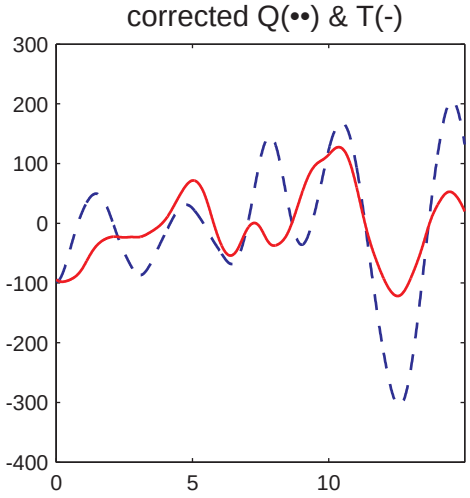
Rotation Correlation:	-7<	6° <	19	0.0<0.1s<0.3
Minimum Energy:	-39<	-31° <	-27	2.0<2.5s<3.1
Eigenvalue:	33<	45° <	58	1.5<2.1s<3.2

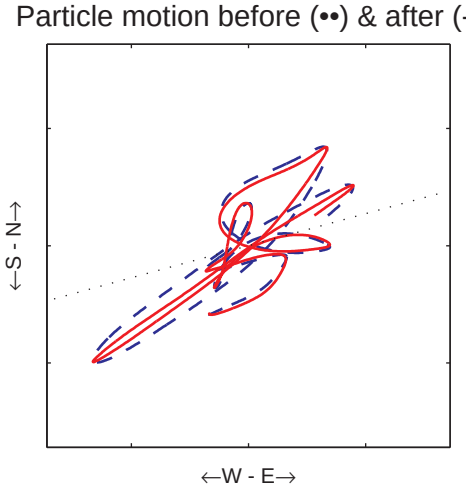
Quality: **good** IsNull: **Yes** Phase: **SKS**

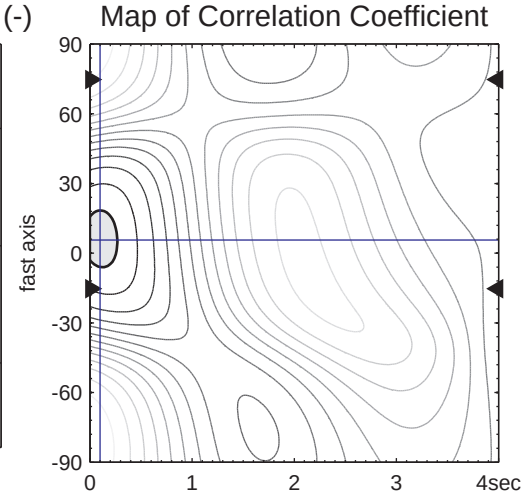


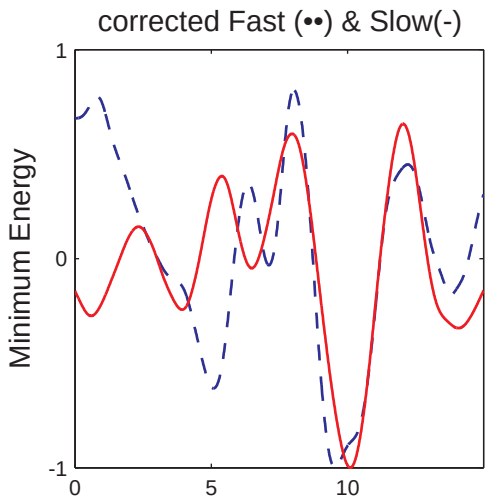
Inc = **6.4”**

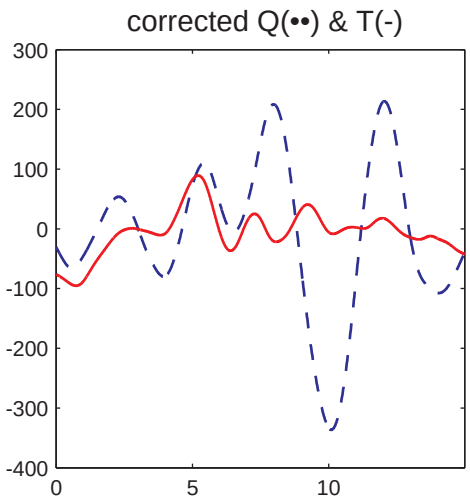


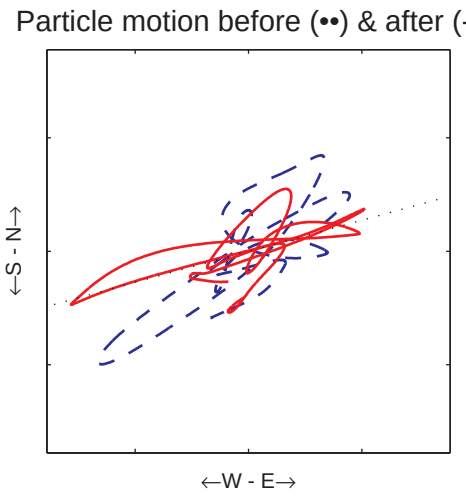


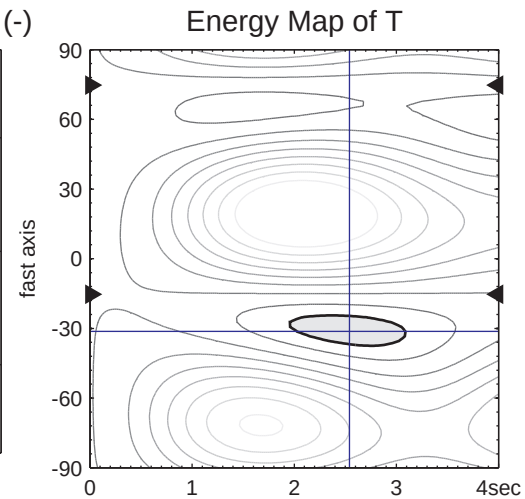


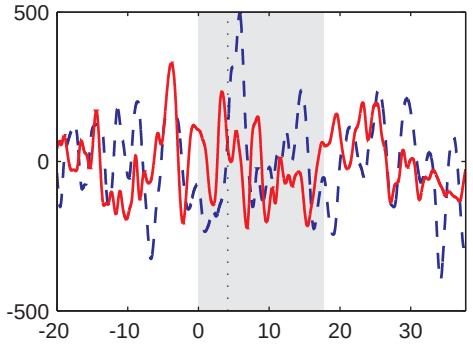








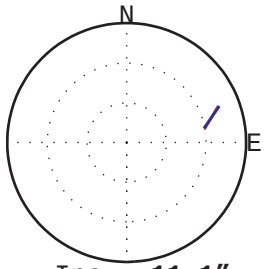




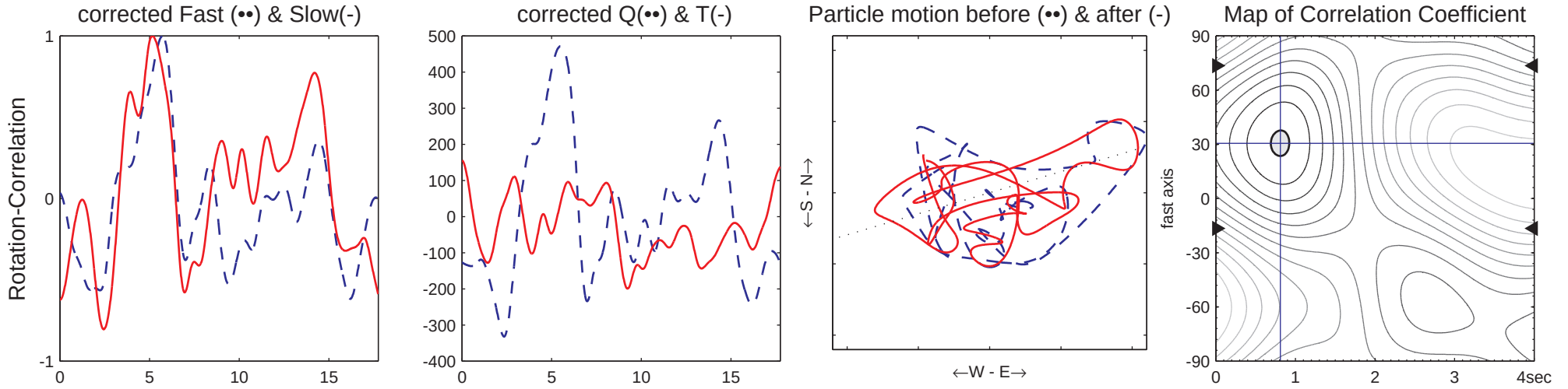
Event: **14-Feb-2012 (045) 08:19 -10.39N 161.10E 51km** Mw=**6.4**
Station: **AKSY** Backazimuth: **73.5”** Distance: **125.35”**
init.Pol.: **256.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.9**

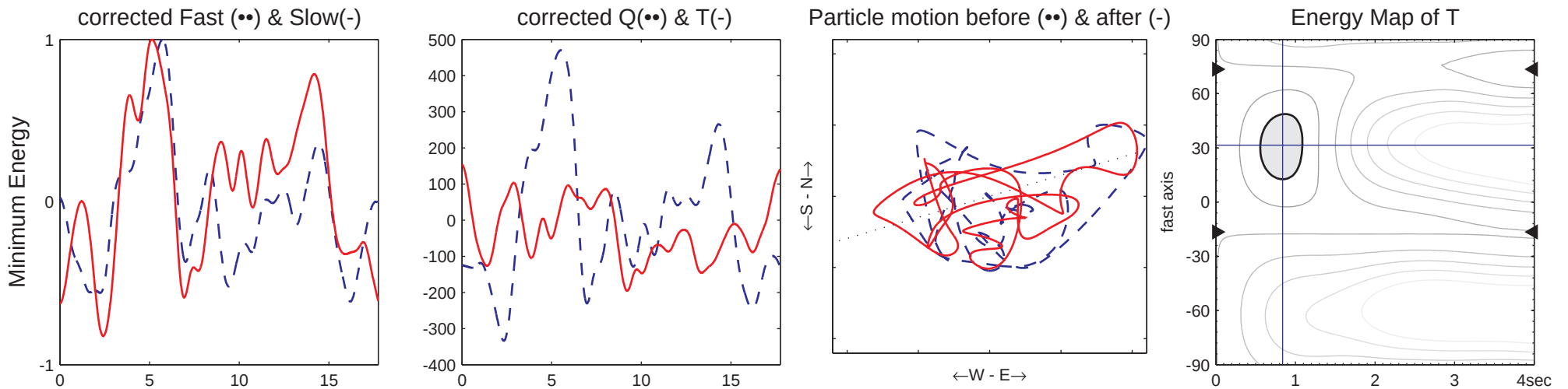
Rotation Correlation:	24<	30° <	38	0.7<0.8s<0.9
Minimum Energy:	13<	31° <	50	0.6<0.8s<1.1
Eigenvalue:	11<	35° <	56	0.6<0.8s<1.1

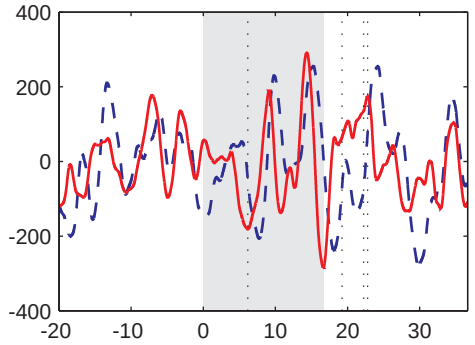
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **11.1”**



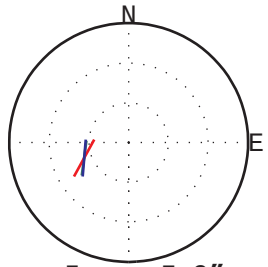


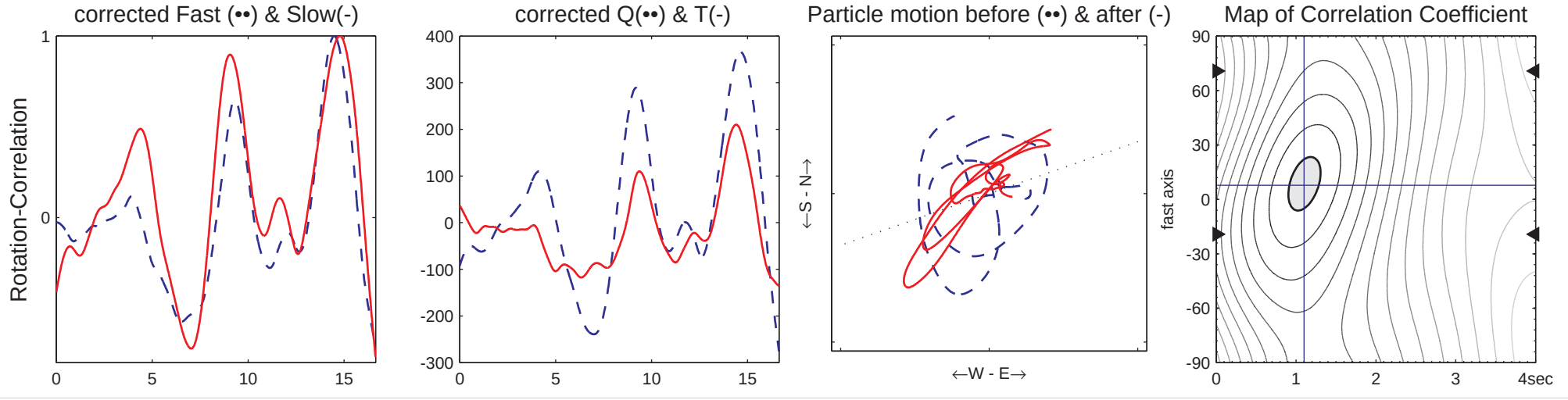


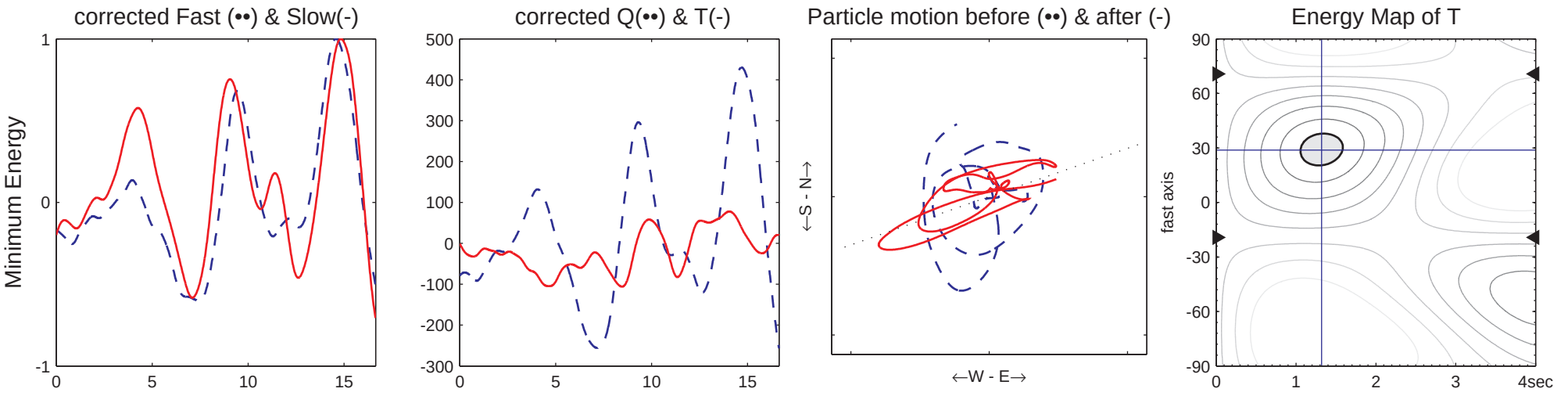
Event: **17-Apr-2012 (108) 03:50 -32.63N -71.36E 29km Mw=6.7**
Station: **AKSY** Backazimuth: **250.8”** Distance: **120.55”**
init.Pol.: **42.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.3**

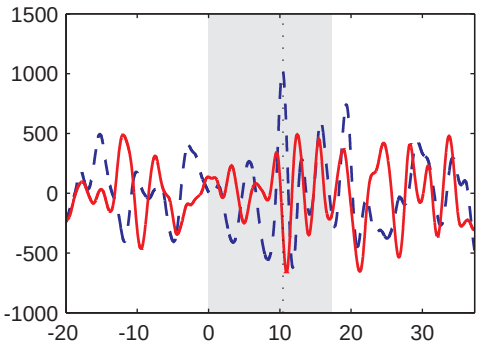
Rotation Correlation:	-7<	8° <	24	0.9<1.1s<1.3
Minimum Energy:	21<	29° <	37	1.1<1.3s<1.6
Eigenvalue:	-11<	5° <	19	1.0<1.2s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





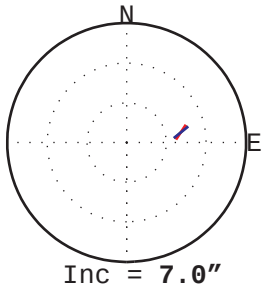


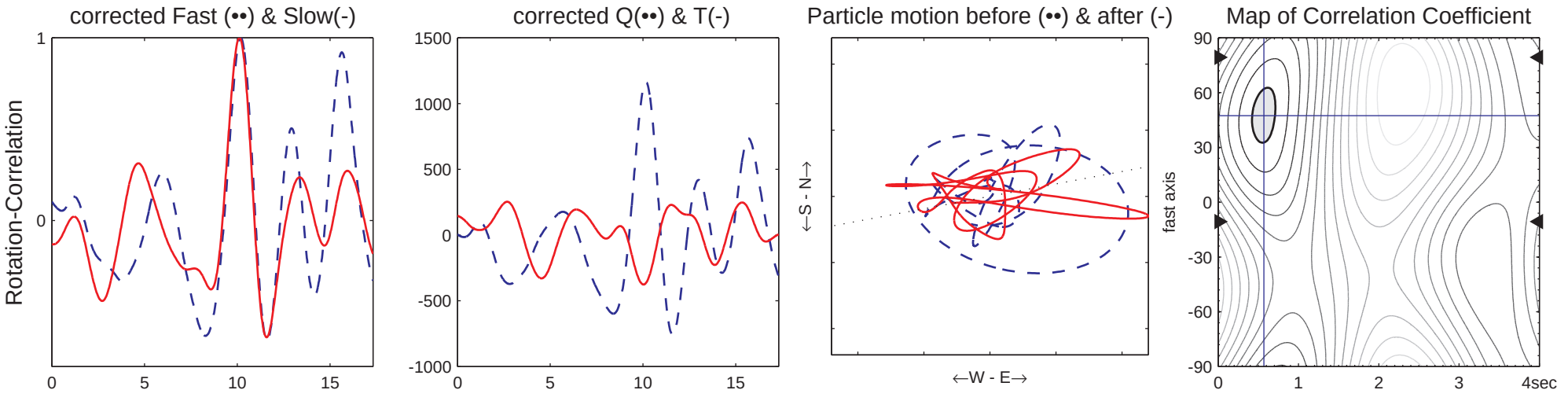


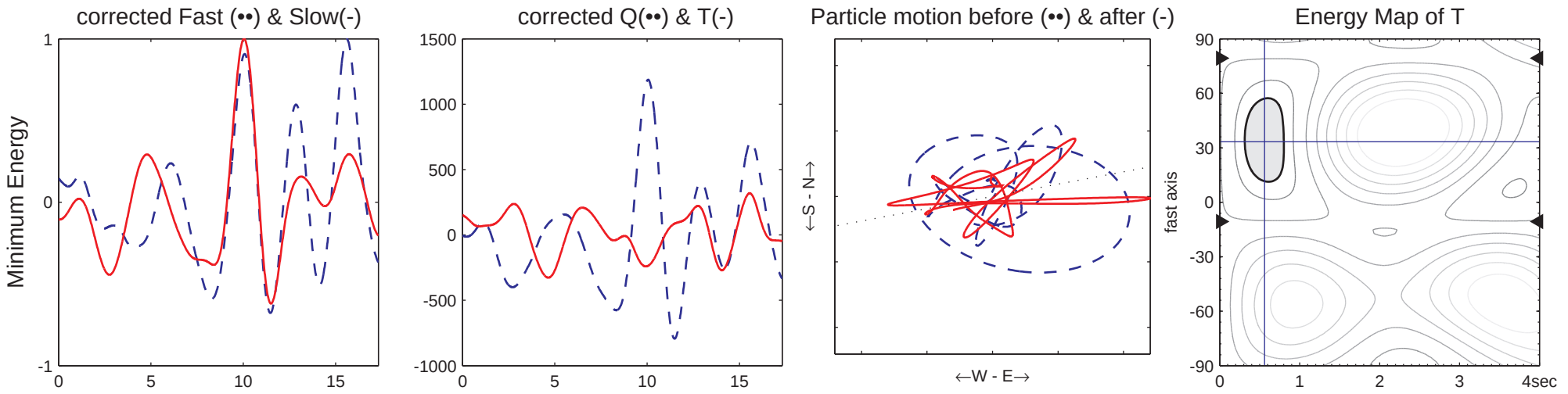
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **AKSY** Backazimuth: **79.3”** Distance: **111.57”**
init.Pol.: **271.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

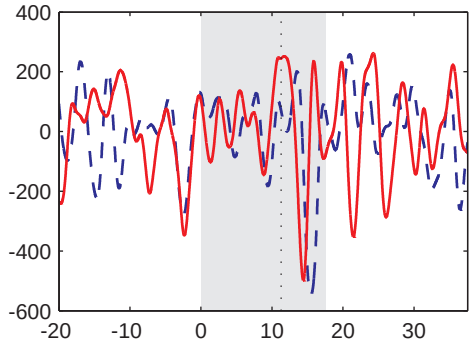
Rotation Correlation:	33<	47° <	63	0.4<0.6s<0.7
Minimum Energy:	11<	33° <	58	0.3<0.6s<0.8
Eigenvalue:	15<	51° <	82	0.3<0.6s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





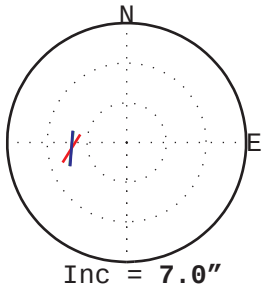


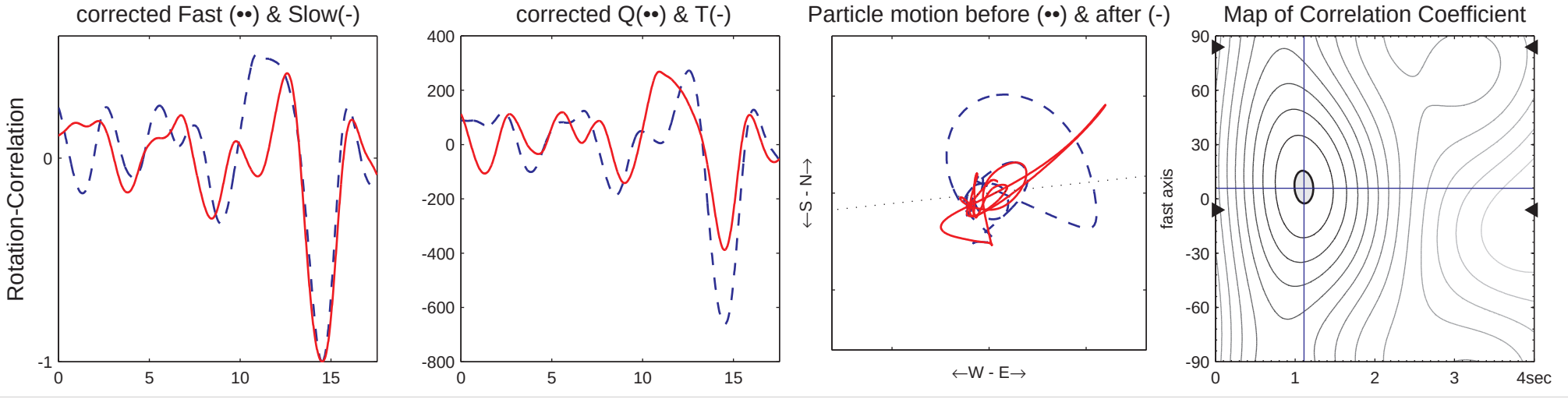


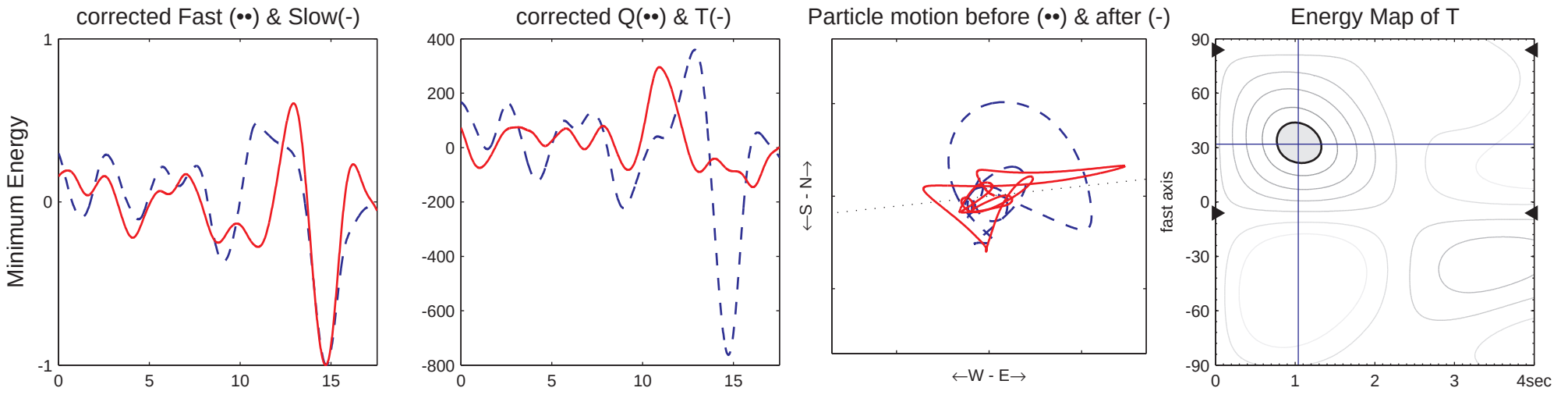
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **AKSY** Backazimuth: **263.9”** Distance: **111.19”**
init.Pol.: **49.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

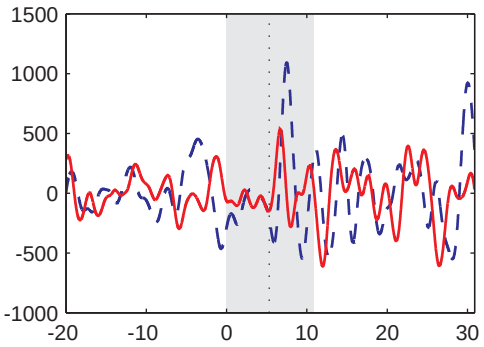
Rotation Correlation:	-3<	6° <	16	1.0<1.1s<1.2
Minimum Energy:	21<	32° <	43	0.8<1.0s<1.3
Eigenvalue:	-11<	4° <	19	0.9<1.1s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





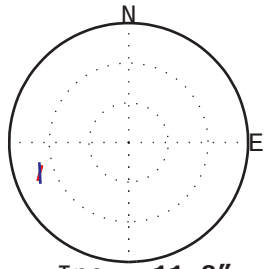




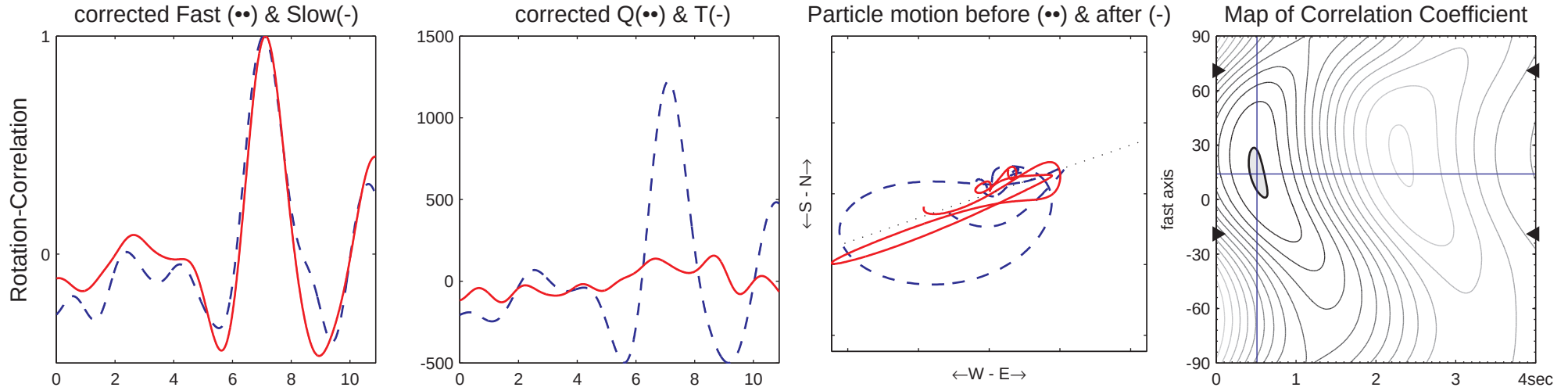
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **AKSY** Backazimuth: **251.0”** Distance: **112.08”**
init.Pol.: **59.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.0**

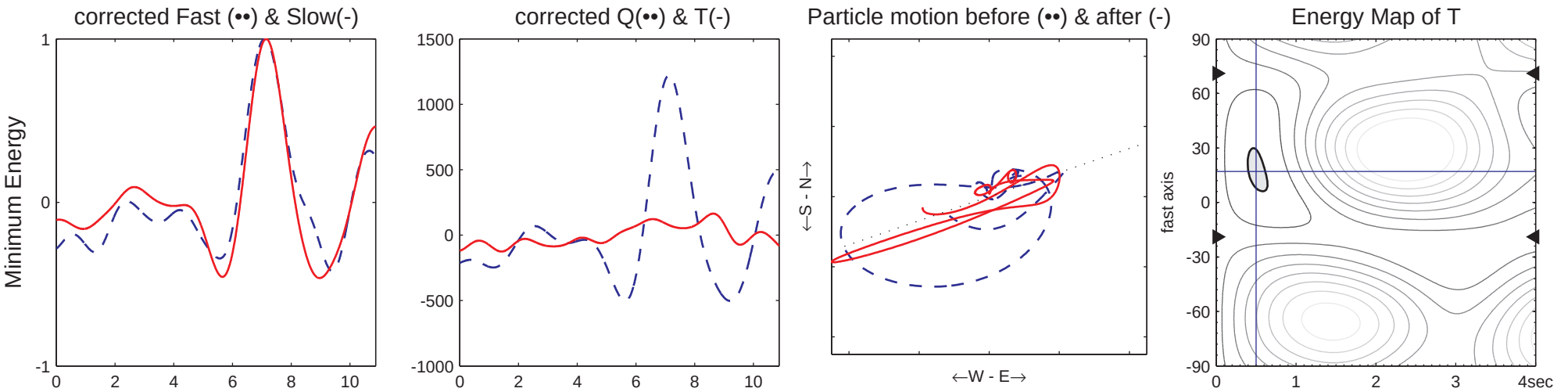
Rotation Correlation:	2<	14° <	29	0.4<0.5s<0.6
Minimum Energy:	7<	17° <	29	0.4<0.5s<0.6
Eigenvalue:	-15<	-3° <	7	0.5<0.7s<0.8

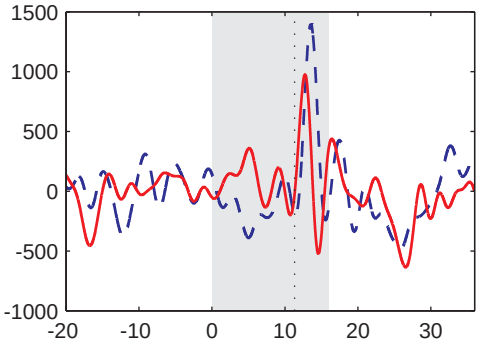
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **11.8”**



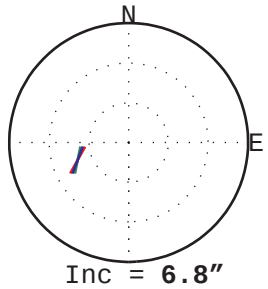


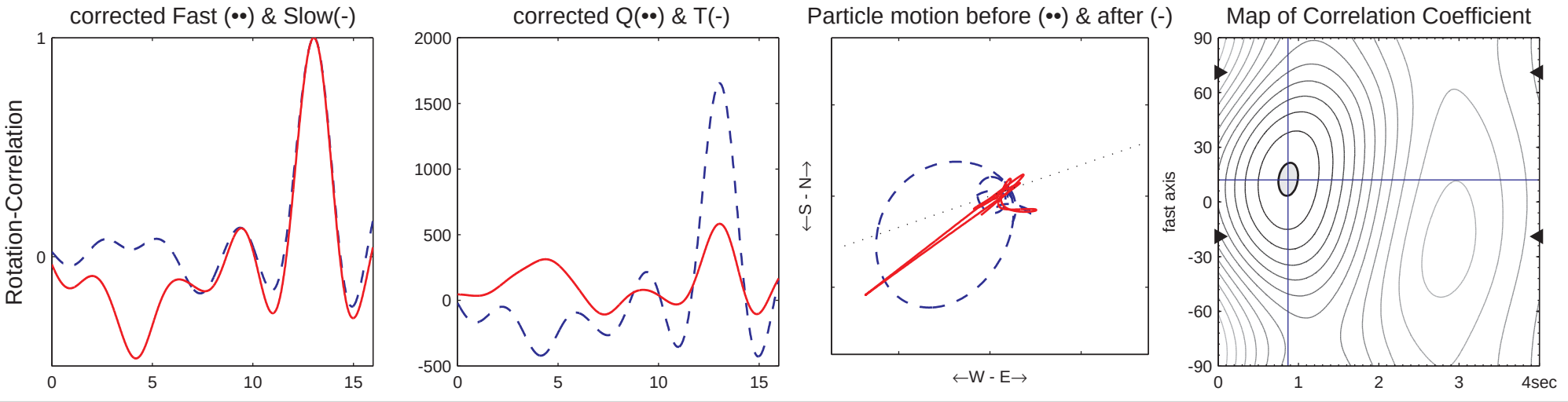


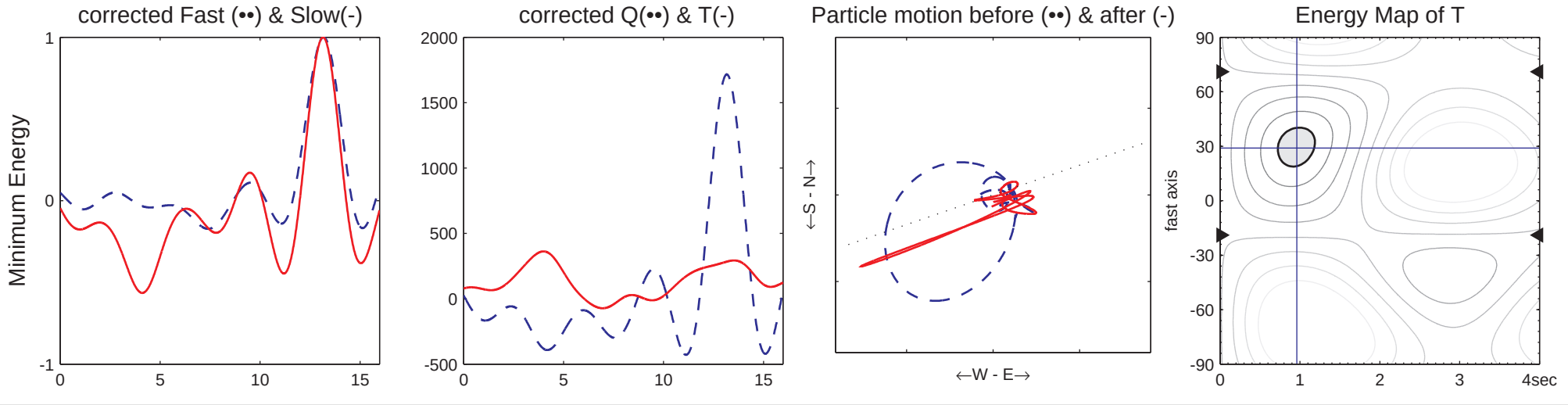
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **AKSY** Backazimuth: **251.0”** Distance: **112.08”**
init.Pol.: **61.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

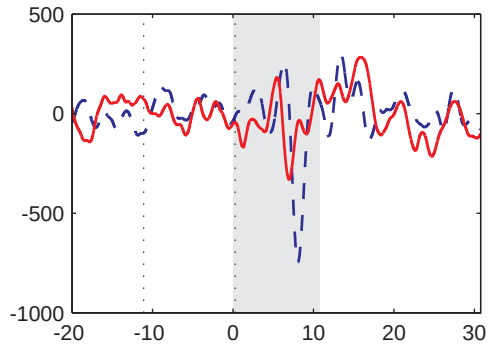
Rotation Correlation:	4<	12° <	22	0.8<0.9s<1.0
Minimum Energy:	19<	29° <	39	0.7<1.0s<1.2
Eigenvalue:	9<	21° <	31	0.8<0.9s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





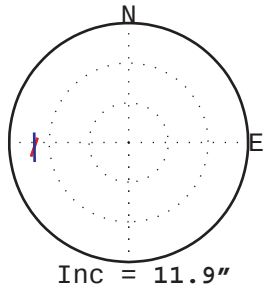


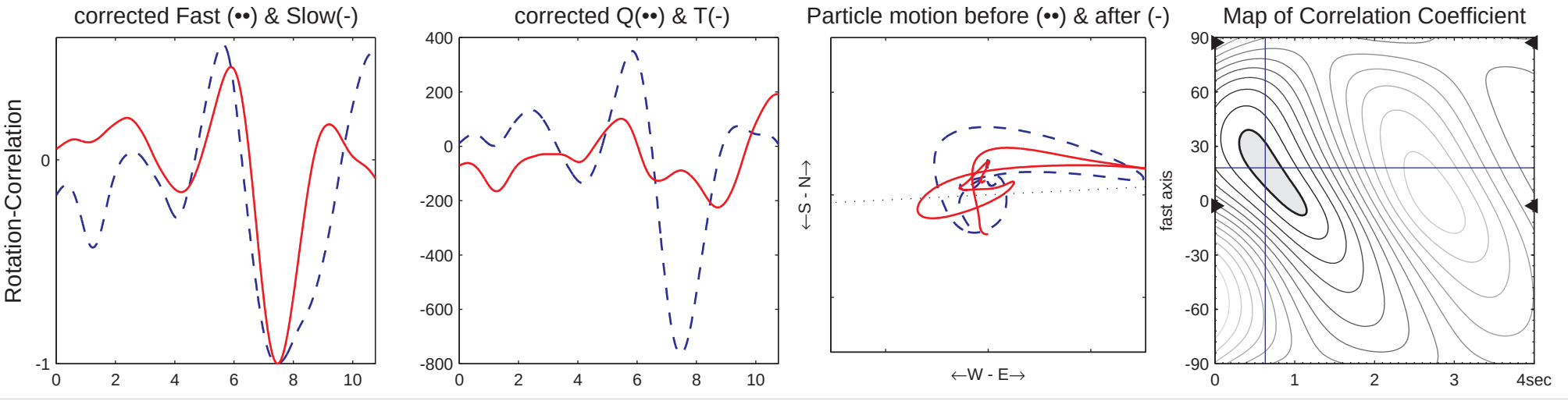


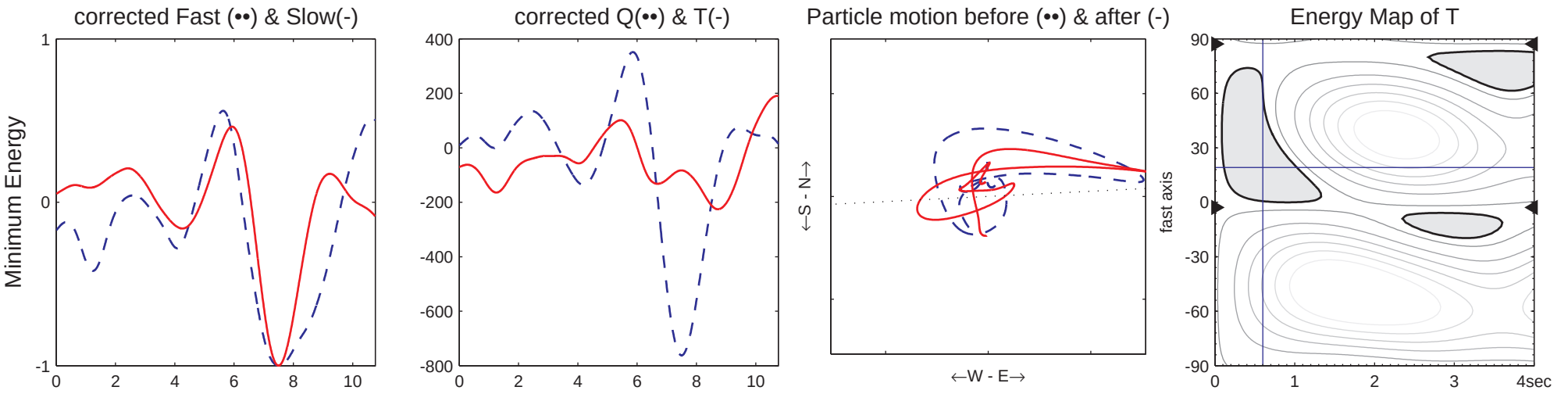
Event: **07-Jun-2012 (159) 16:03 -15.88N -72.41E 110km** Mw=6.1
Station: **AKSY** Backazimuth: **267.1”** Distance: **112.34”**
init.Pol.: **67.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

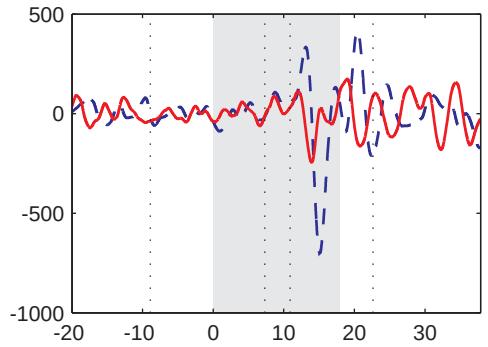
Rotation Correlation:	-9<	18° <	39	0.3<0.6s<1.1
Minimum Energy:	-1<	19° <	74	0.1<0.6s<1.3
Eigenvalue:	-17<	-1° <	17	0.5<0.9s<1.3

Quality: **fair** IsNull: **No** Phase: **SKKS**





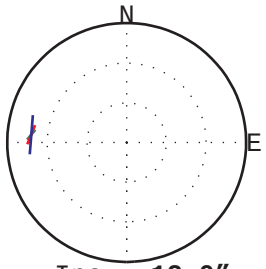




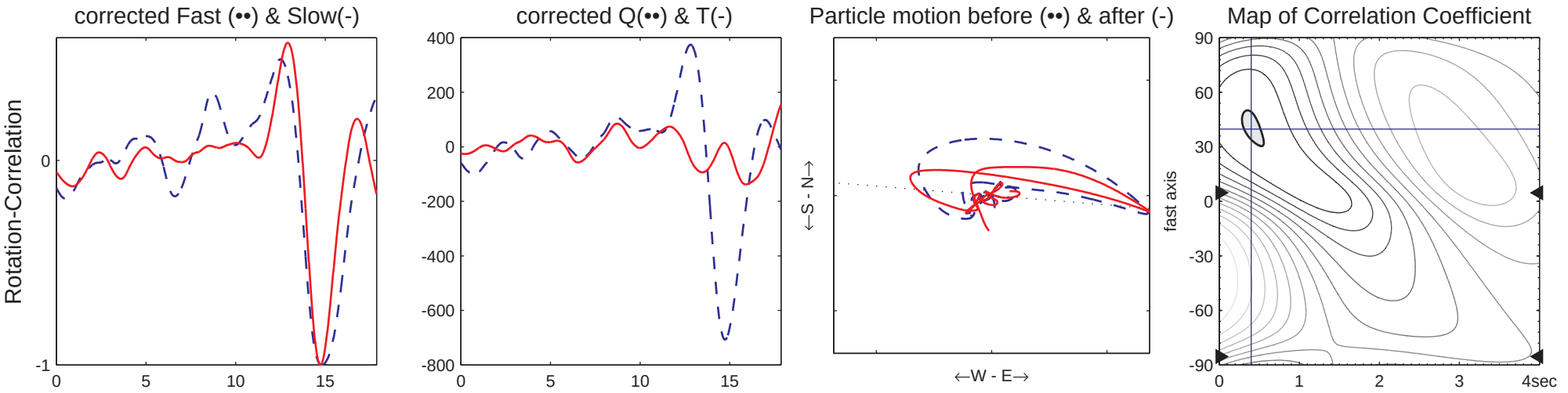
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **AKSY** Backazimuth: **274.7”** Distance: **109.29”**
init.Pol.: **77.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.9**

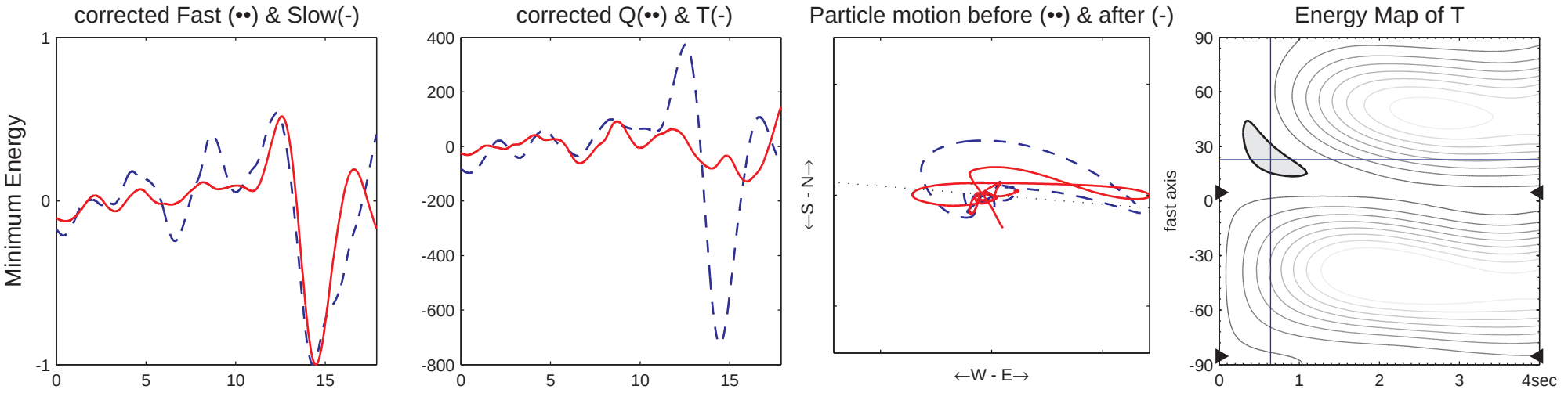
Rotation Correlation:	31<	40° <	50	0.3<0.4s<0.6
Minimum Energy:	13<	23° <	43	0.3<0.6s<1.1
Eigenvalue:	-1<	5° <	11	1.0<1.2s<1.4

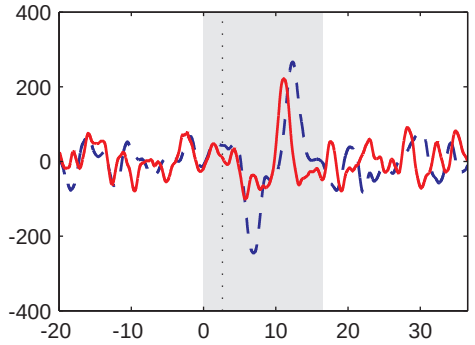
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



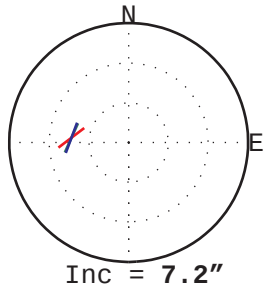


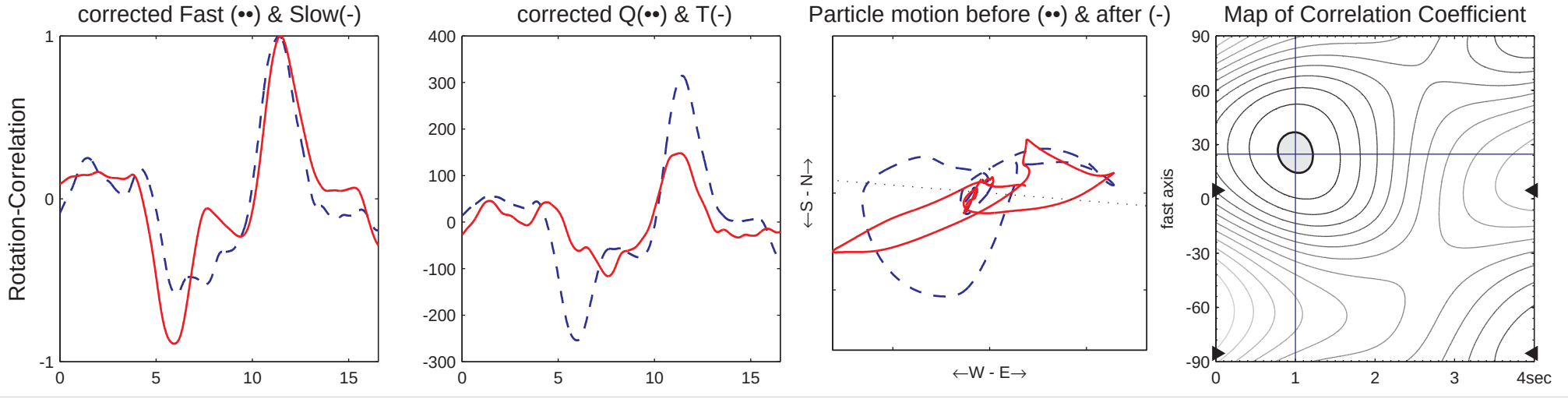


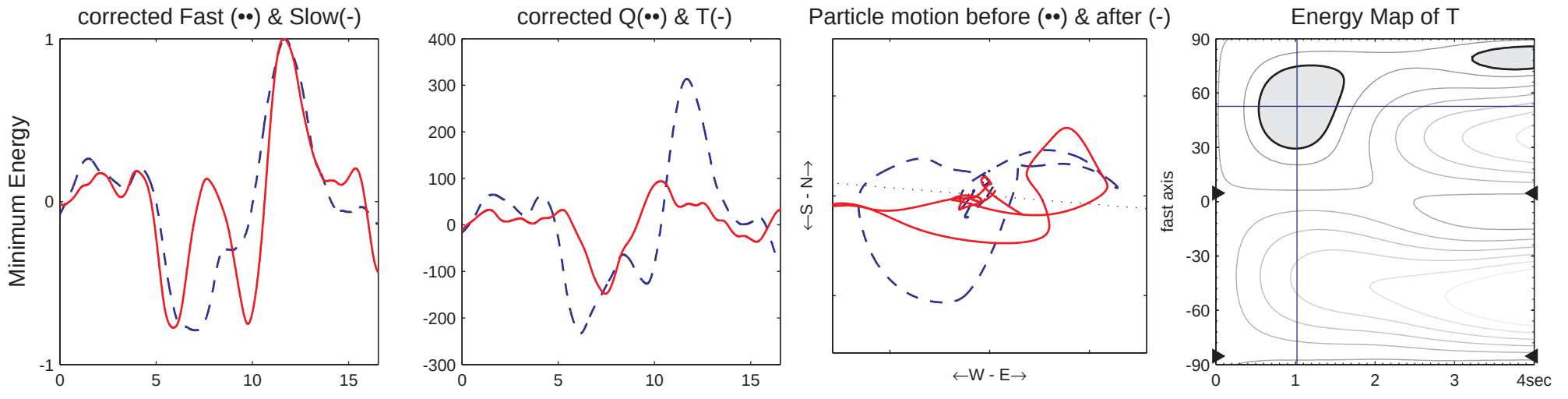
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **AKSY** Backazimuth: **274.7”** Distance: **109.29”**
init.Pol.: **70.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.0**

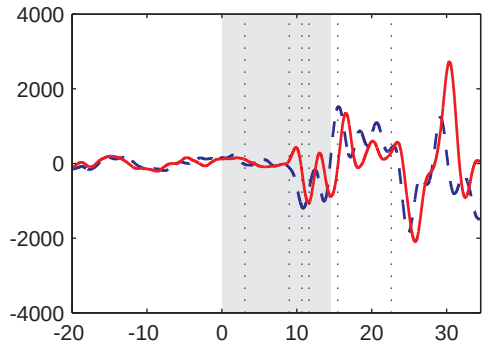
Rotation Correlation:	15<	25° <	37	0.8<1.0s<1.2
Minimum Energy:	29<	53° <	76	0.5<1.0s<1.6
Eigenvalue:	3<	21° <	41	0.7<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





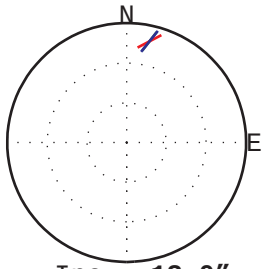




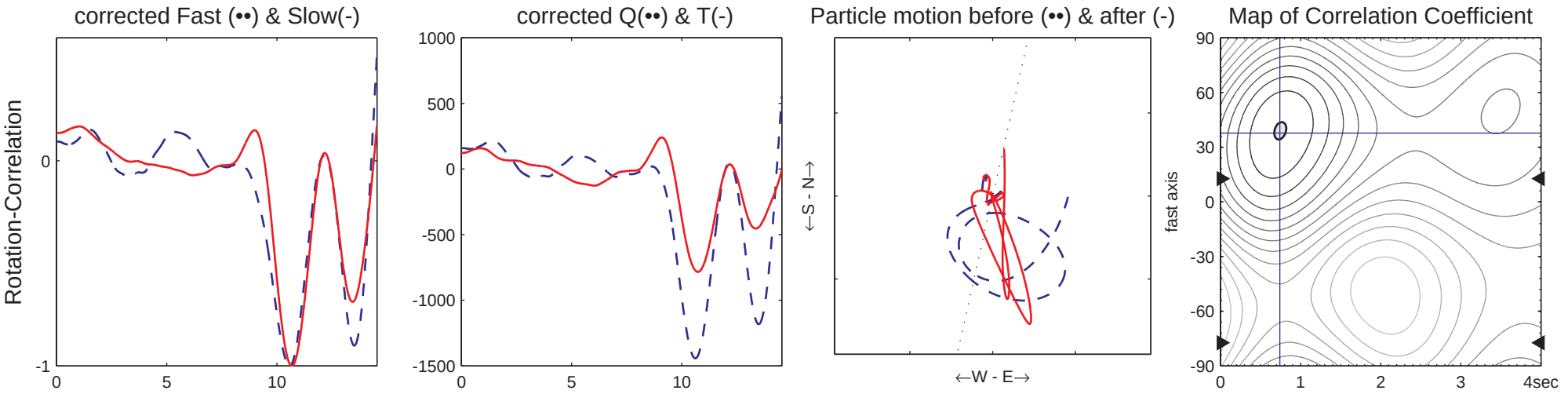
Event: **10-Aug-2012 (223) 18:37 52.63N -167.42E 13km Mw=6.2**
Station: **AKSY** Backazimuth: **12.7”** Distance: **86.88”**
init.Pol.: **167.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.5**

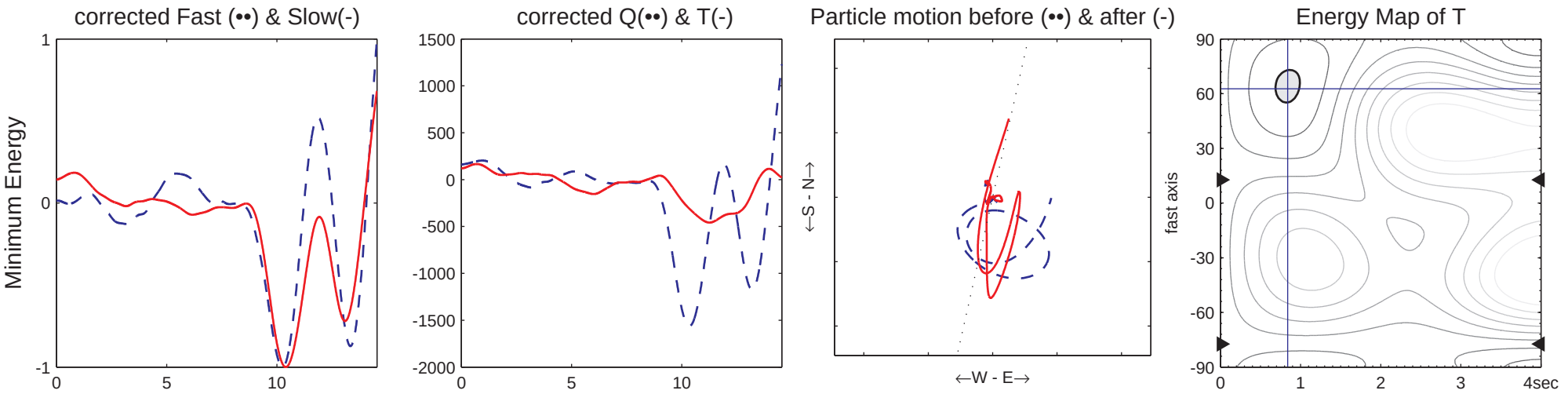
Rotation Correlation:	34<	38° <	44	0.7<0.7s<0.8
Minimum Energy:	56<	63° <	74	0.7<0.8s<1.0
Eigenvalue:	33<	39° <	46	0.8<0.8s<0.9

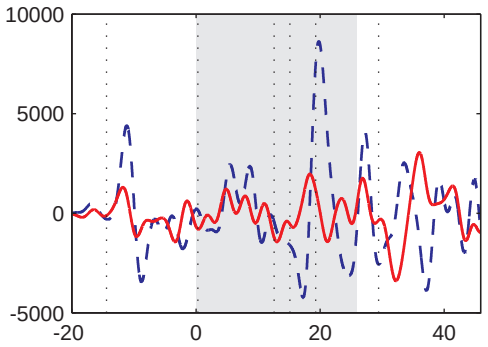
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



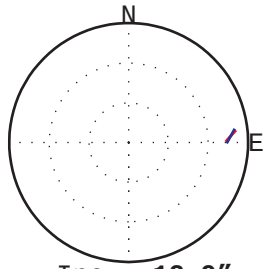




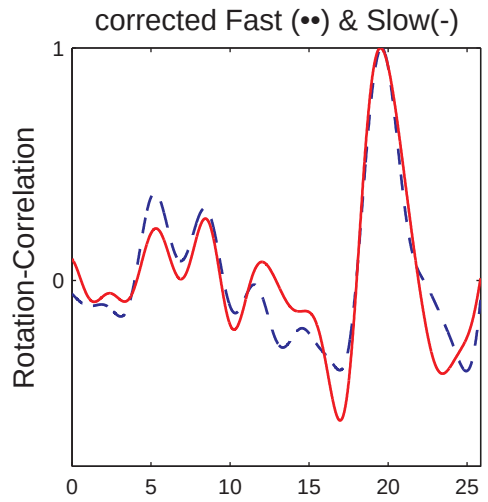
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **AKSY** Backazimuth: **86.4”** Distance: **91.03”**
init.Pol.: **263.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.4**

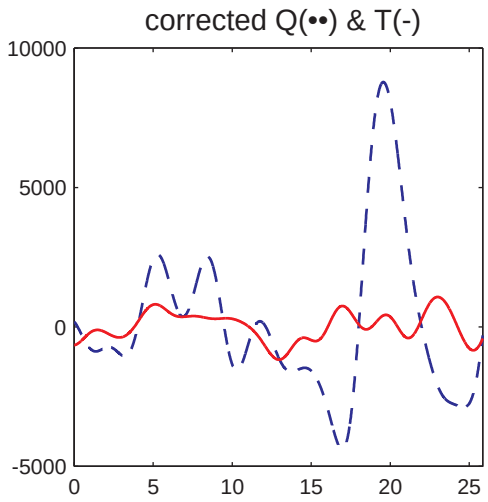
Rotation Correlation:	29<	38° <	49	0.3<0.5s<0.6
Minimum Energy:	15<	42° <	72	0.3<0.5s<0.8
Eigenvalue:	1<	28° <	72	0.3<0.5s<1.2

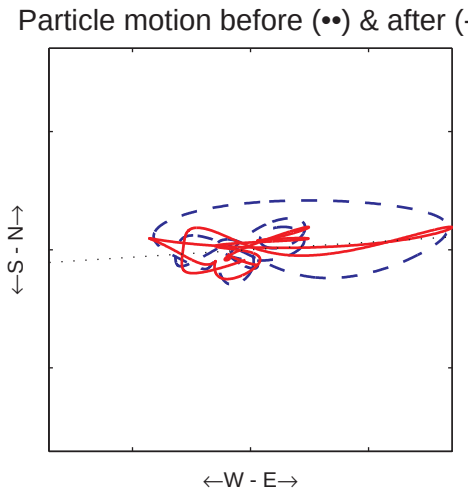
Quality: **fair** IsNull: **No** Phase: **SKKS**

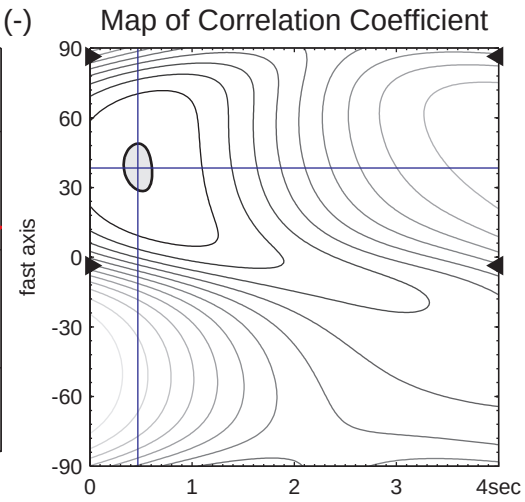


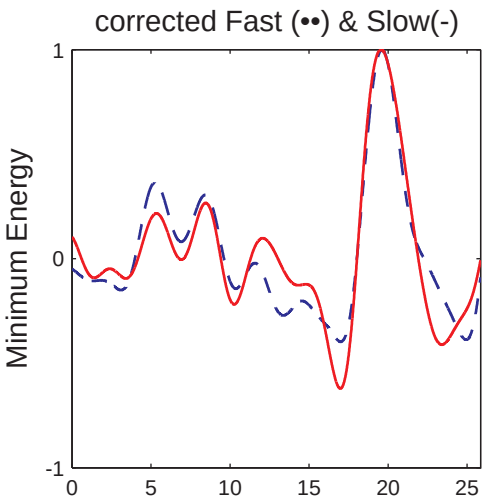
Inc = **12.9”**

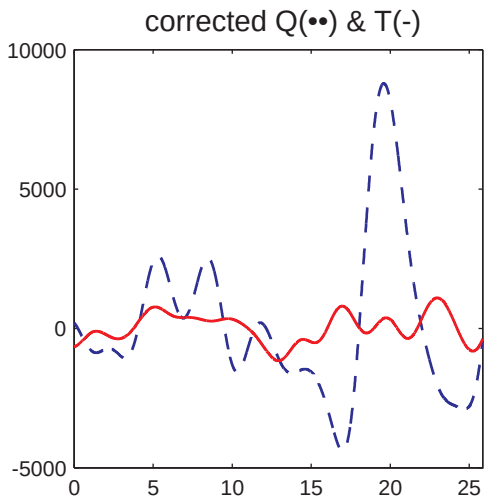


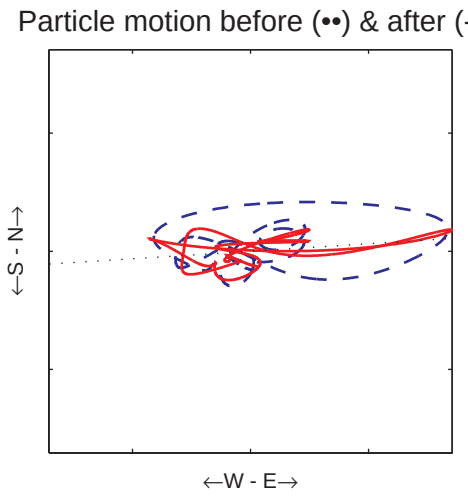


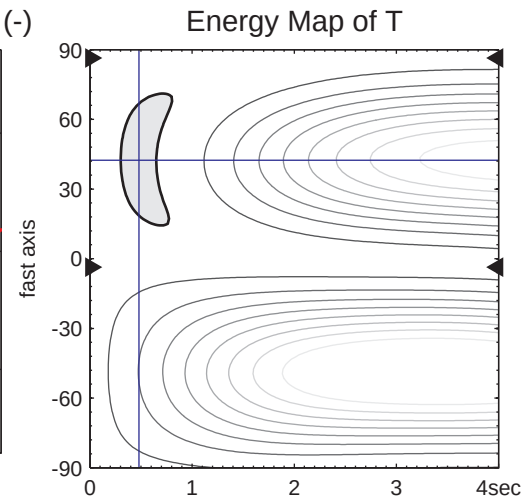


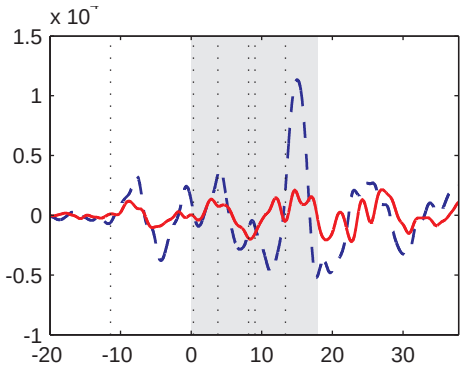








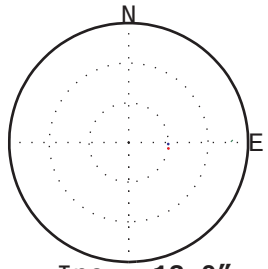




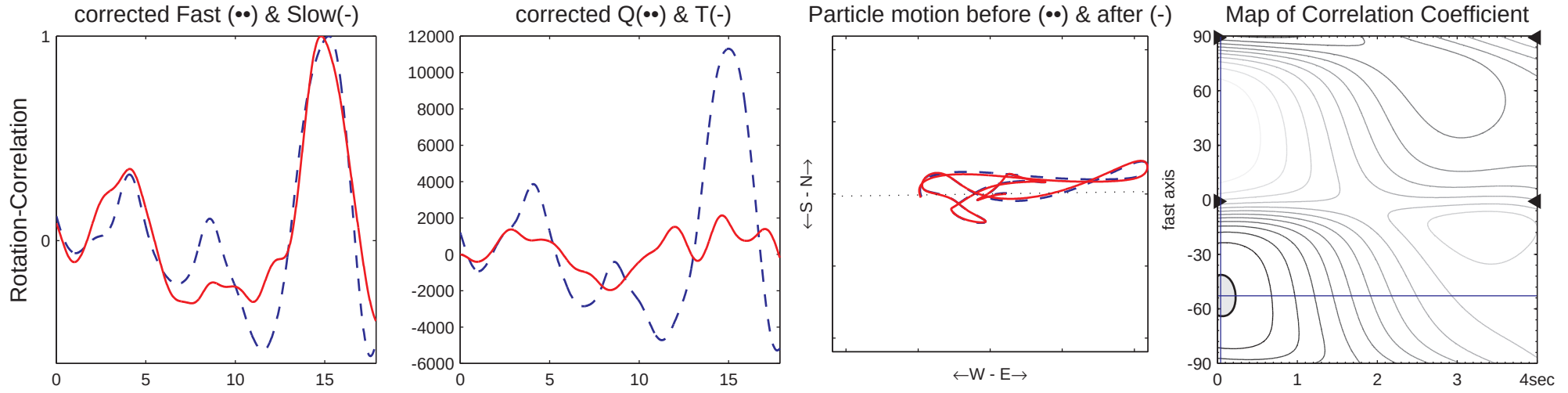
Event: **17-Mar-2007 (076) 17:42** **1.15N 126.25E** **35km** Mw=**6.2**
Station: **ANDN** Backazimuth: **89.1”** Distance: **89.22”**
init.Pol.: **277.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.2**

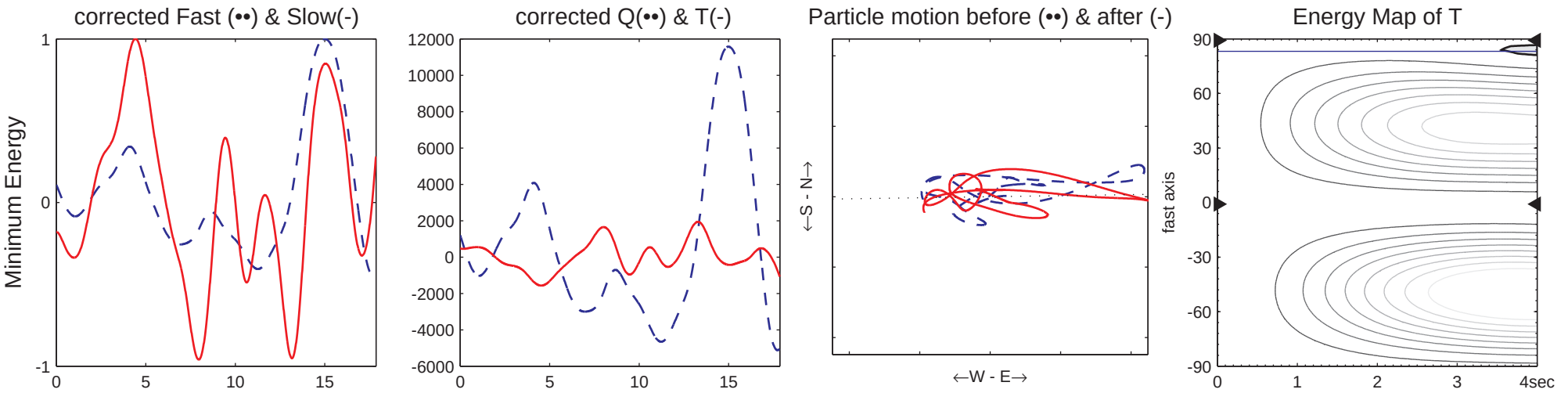
Rotation Correlation:	-65<	-53° <	-43 0.0<0.0s<0.2
Minimum Energy:	82<	83° <	86 3.6<4.0s<4.0
Eigenvalue:	82<	87° <	-90 3.7<4.0s<4.0

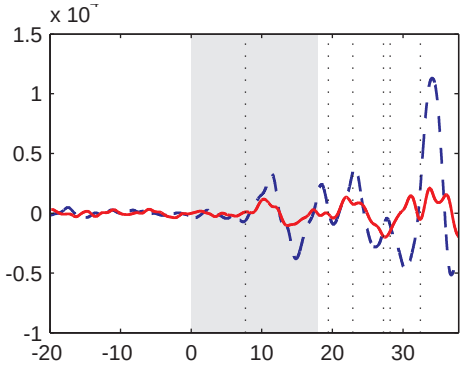
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **13.0”**



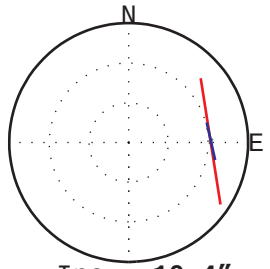




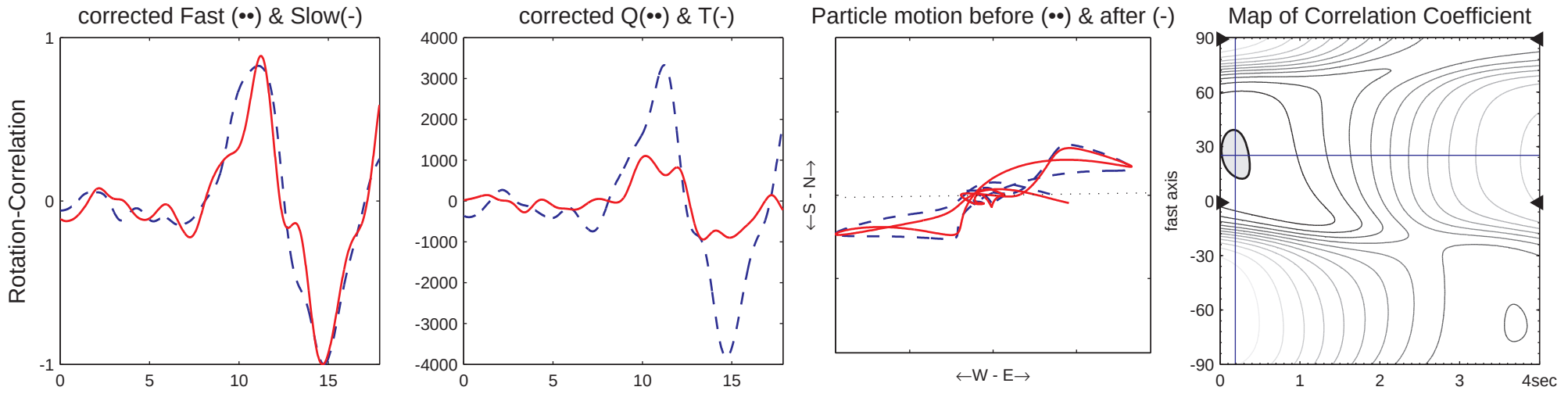
Event: **17-Mar-2007 (076) 17:42 1.15N 126.25E 35km Mw=6.2**
Station: **ANDN** Backazimuth: **89.1”** Distance: **89.22”**
init.Pol.: **248.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.6**

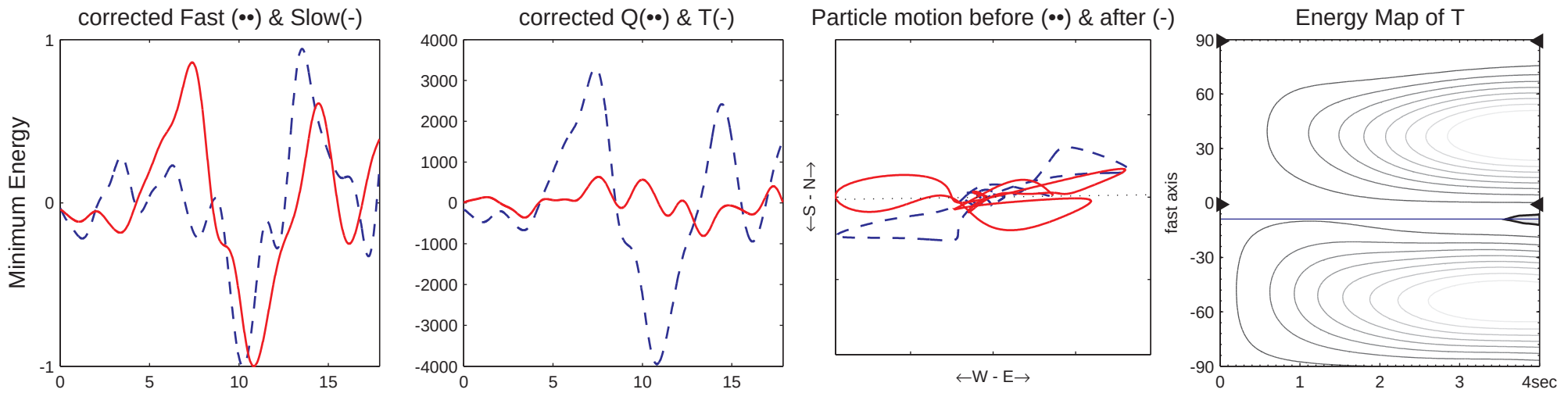
Rotation Correlation:	13<	25° <	39	0.0<0.2s<0.4
Minimum Energy:	-13<	-9° <	-9	3.6<4.0s<4.0
Eigenvalue:	-19<	-13° <	-9	0.8<1.2s<1.6

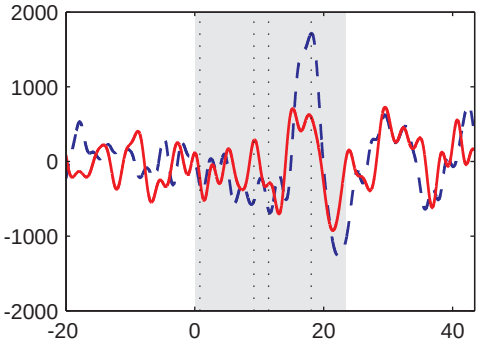
Quality: **fair** IsNull: **Yes** Phase: **SKS**



Inc = **10.4”**



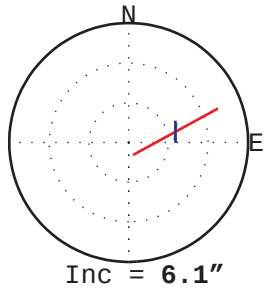


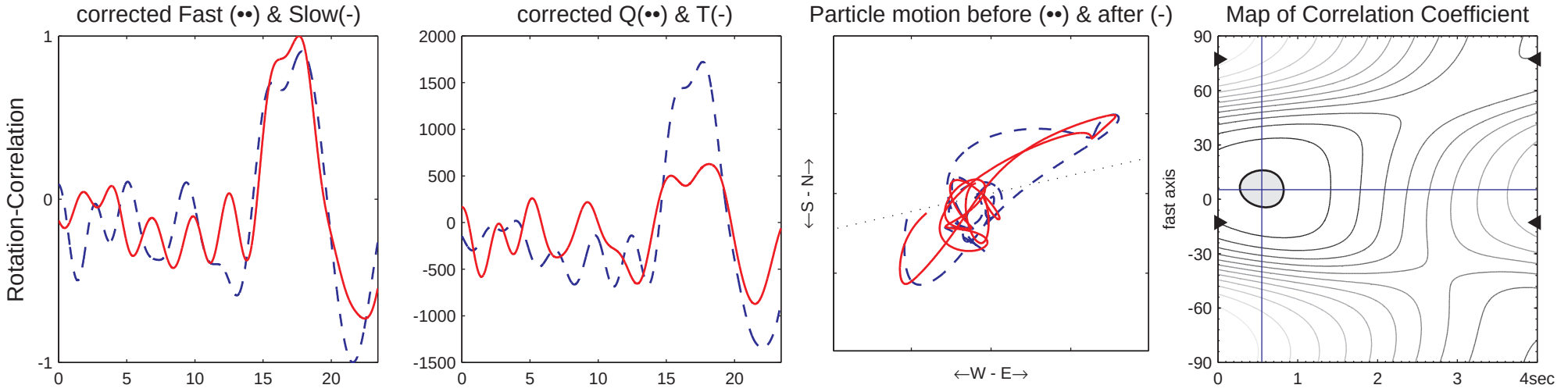


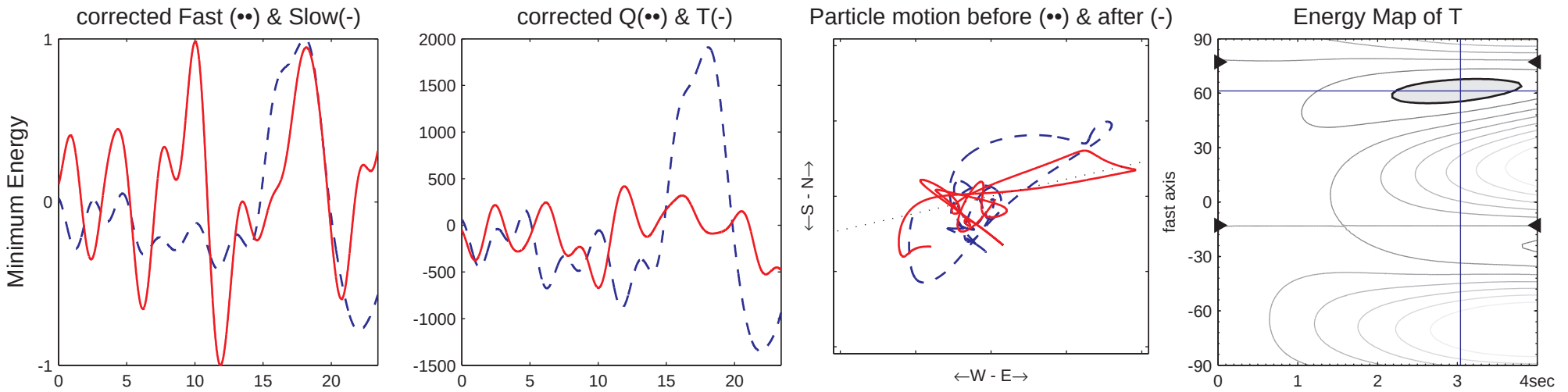
Event: **02-Apr-2007 (092) 23:20 -8.62N 157.39E 18km Mw=6.2**
Station: **ANDN** Backazimuth: **77.2”** Distance: **119.70”**
init.Pol.: **232.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

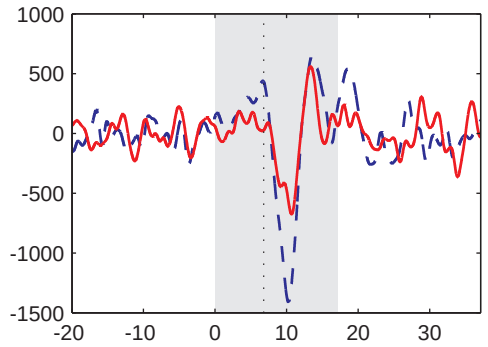
Rotation Correlation:	-5<	5° <	16	0.3<0.6s<0.8
Minimum Energy:	54<	61° <	68	2.2<3.0s<3.8
Eigenvalue:	-37<	-1° <	58	0.2<0.7s<3.2

Quality: **fair** IsNull: **Yes** Phase: **SKS**





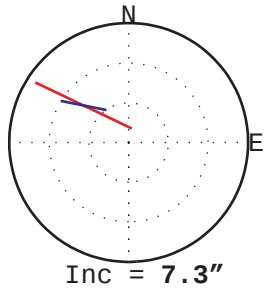


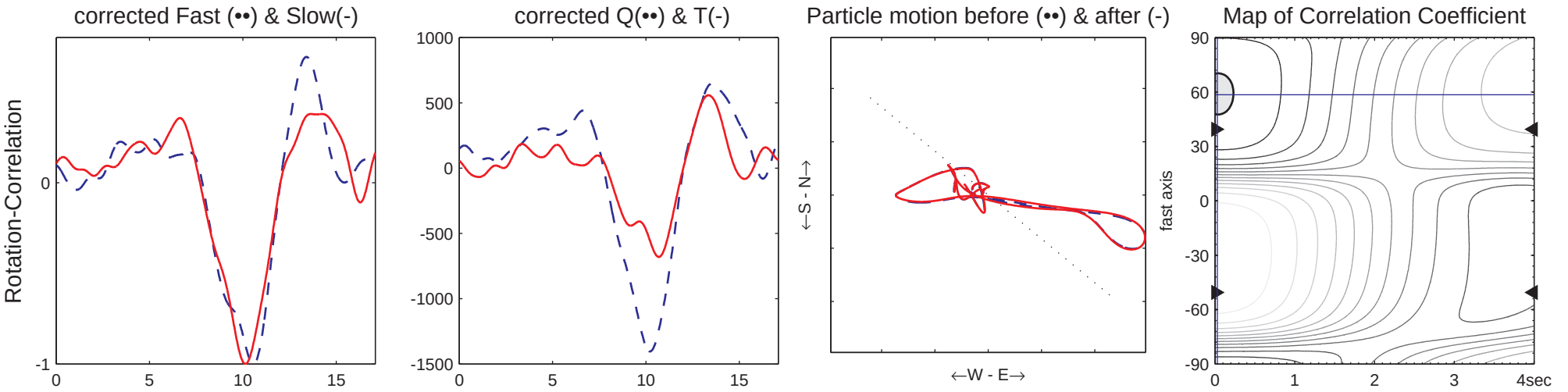


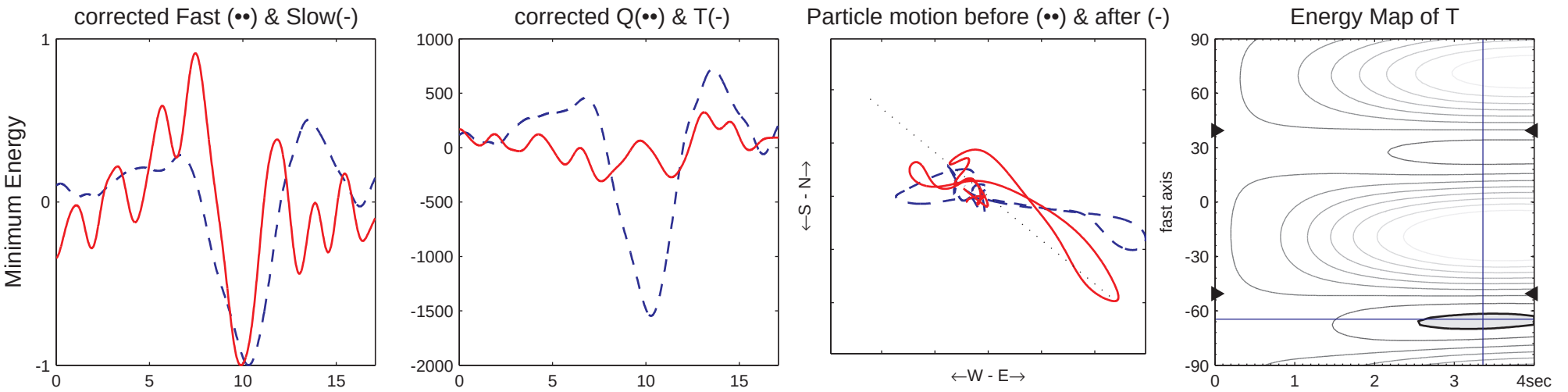
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **ANDN** Backazimuth: **309.4”** Distance: **108.70”**
init.Pol.: **105.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.2**

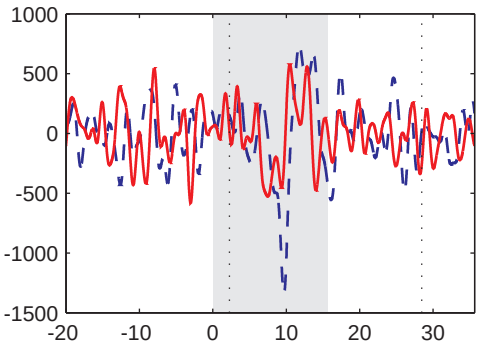
Rotation Correlation:	48<	58° <	70	0.0<0.0s<0.2
Minimum Energy:	-72<	-65° <	-64	2.5<3.4s<4.0
Eigenvalue:	-Inf<	-79° <	Inf	0.0<1.5s<Inf

Quality: **fair** IsNull: **Yes** Phase: **SKS**





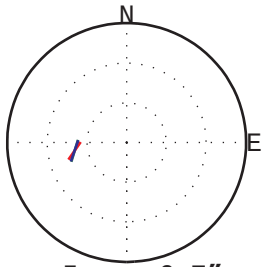




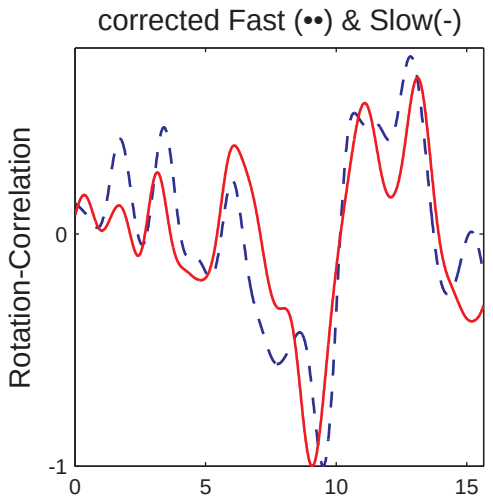
Event: **16-Feb-2008 (047) 14:45 -21.35N -68.39E 130km Mw=6.1**
Station: **ANDN** Backazimuth: **260.9”** Distance: **114.18”**
init.Pol.: **65.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

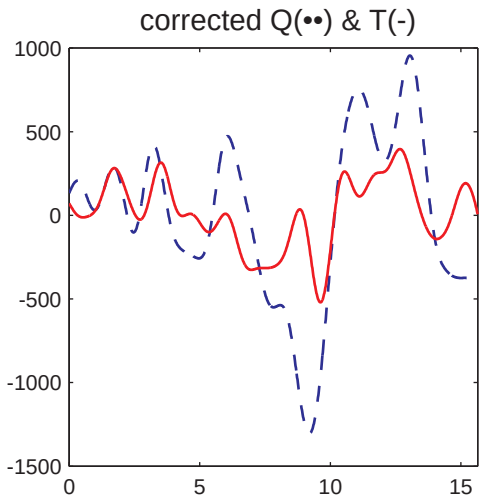
Rotation Correlation:	9<	17° <	26	0.6<0.7s<0.8
Minimum Energy:	21<	35° <	52	0.5<0.7s<0.9
Eigenvalue:	1<	19° <	35	0.5<0.7s<0.9

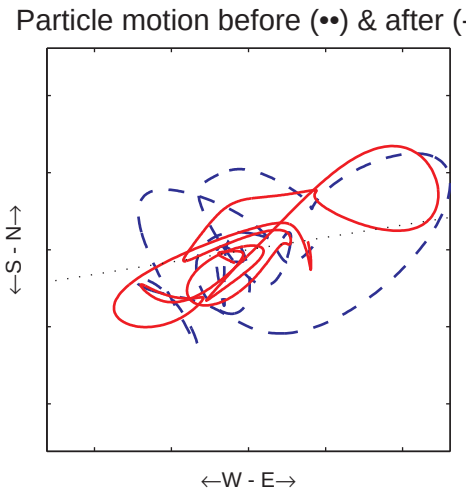
Quality: **fair** IsNull: **No** Phase: **SKS**

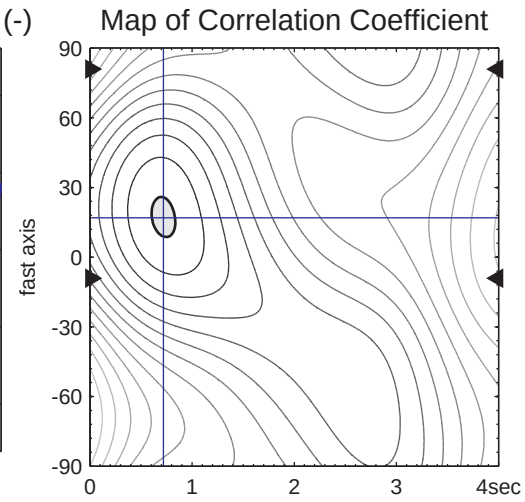


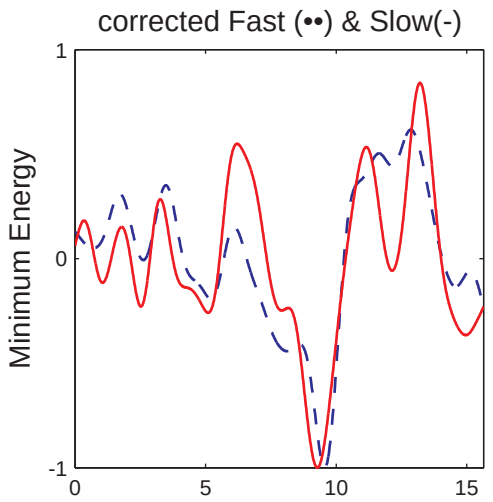
Inc = **6.7”**

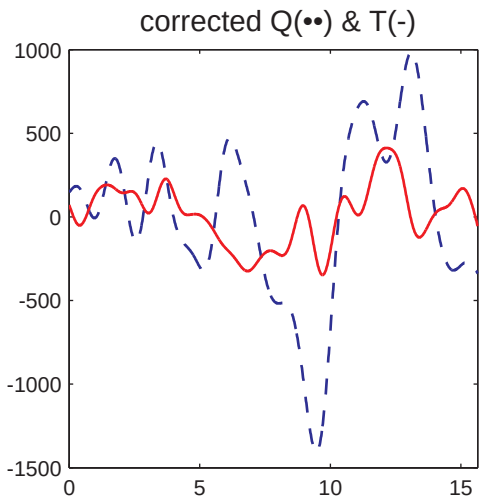


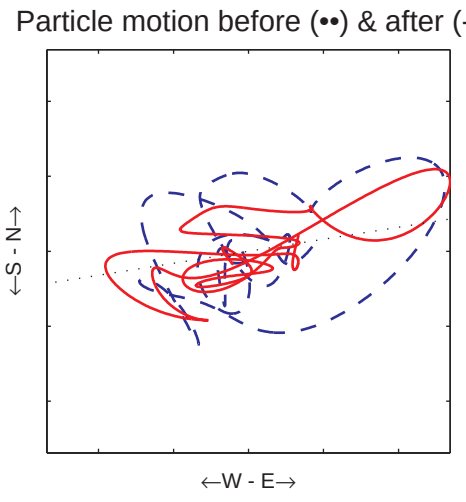


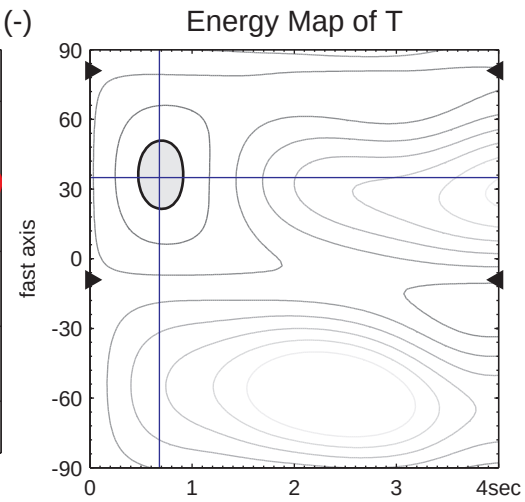


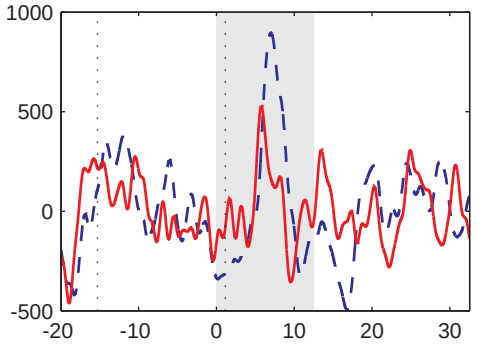








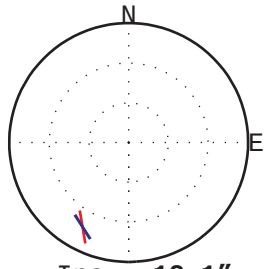




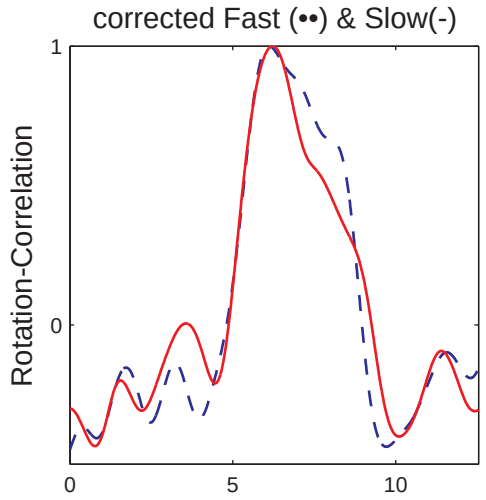
Event: **28-Apr-2008 (119) 15:57 -58.74N -24.71E 35km Mw=6.1**
Station: **ANDN** Backazimuth: **208.7”** Distance: **108.80”**
init.Pol.: **10.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

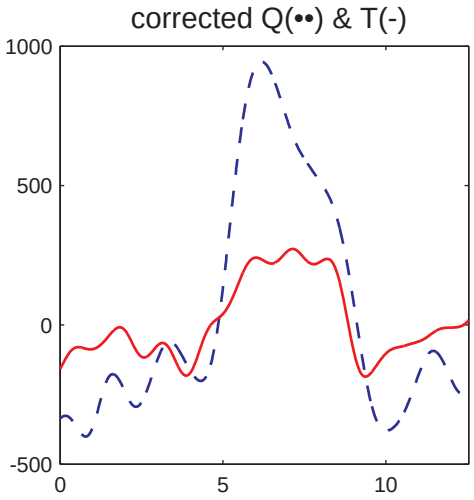
Rotation Correlation:	-41<	-30° <	-22	0.7<0.9s<1.0
Minimum Energy:	-29<	-9° <	5	0.7<1.0s<1.6
Eigenvalue:	-43<	-33° <	-25	0.8<0.9s<1.0

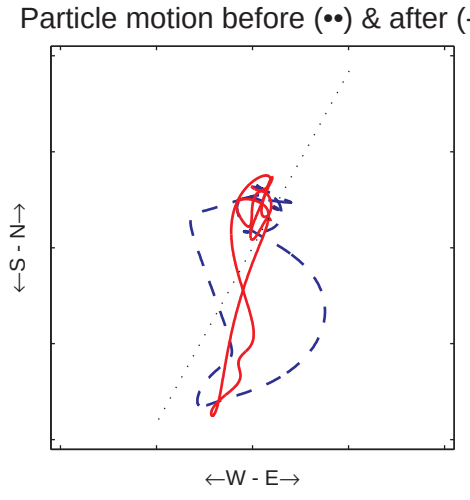
Quality: **fair** IsNull: **No** Phase: **SKKS**

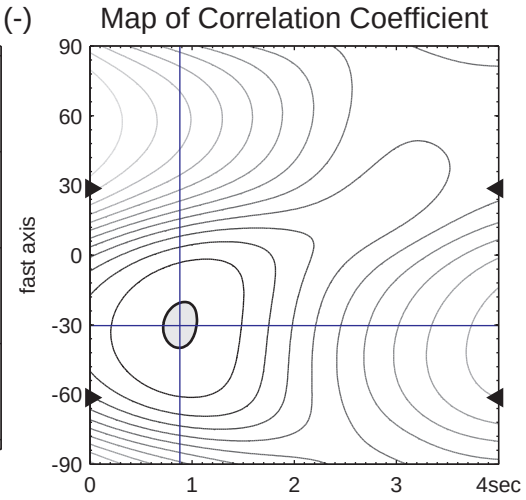


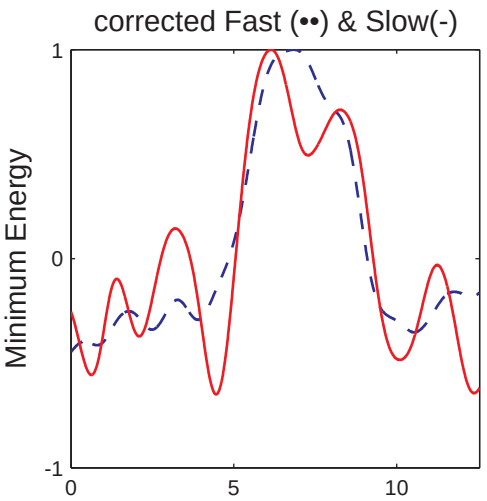
Inc = **12.1”**

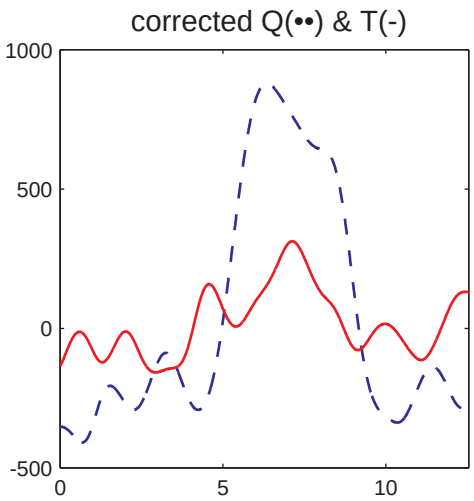


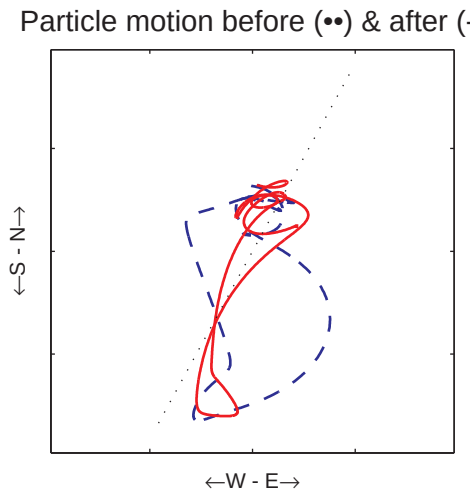


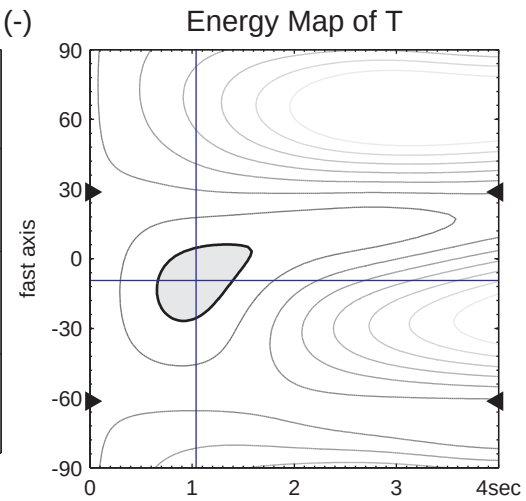


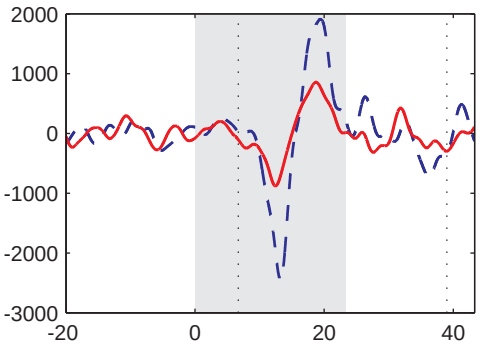








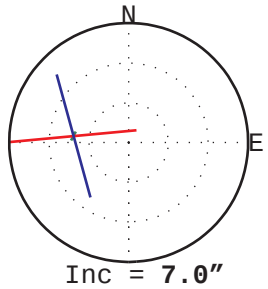


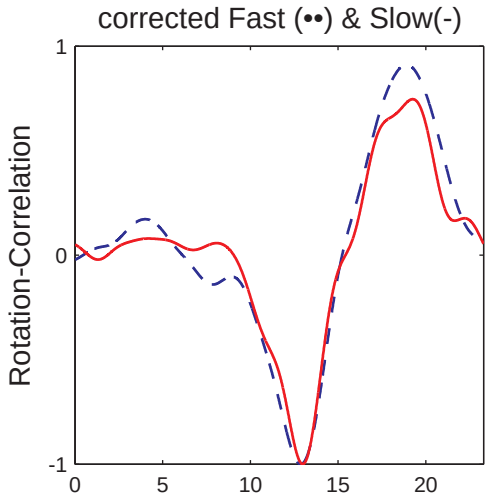


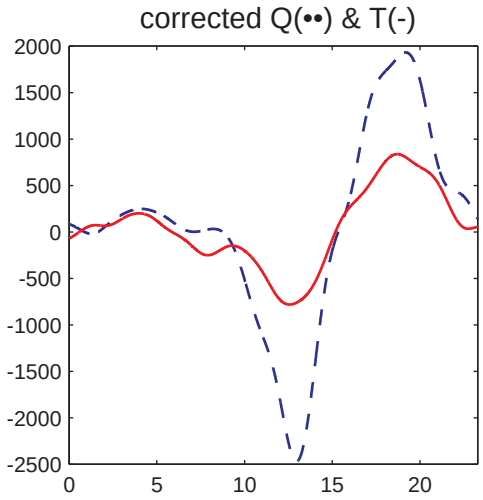
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **ANDN** Backazimuth: **276.7”** Distance: **111.04”**
init.Pol.: **69.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

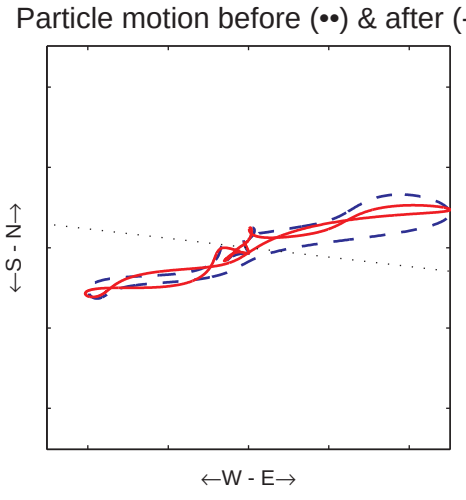
Rotation Correlation:	12<	28° <	46	0.1<0.3s<0.6
Minimum Energy:	80<	85° <	-92	3.1<4.0s<4.0
Eigenvalue:	-19<	-15° <	5	0.5<4.0s<4.0

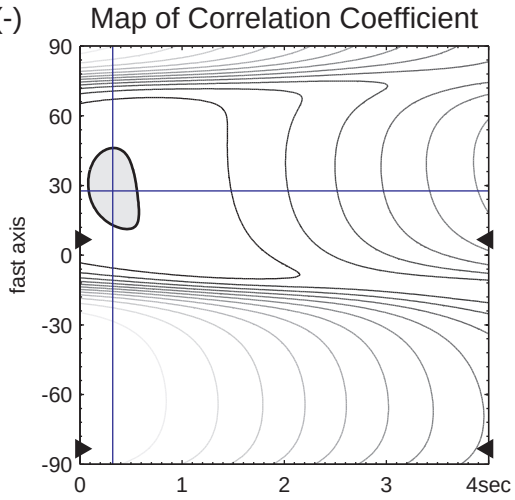
Quality: **fair** IsNull: **Yes** Phase: **SKS**

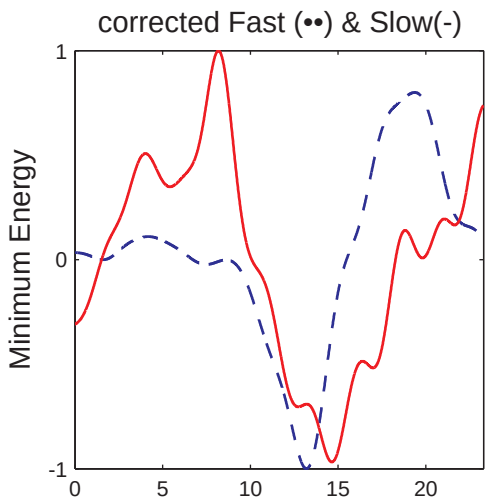


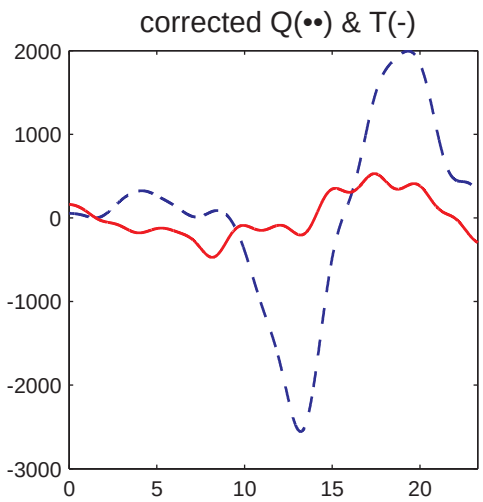


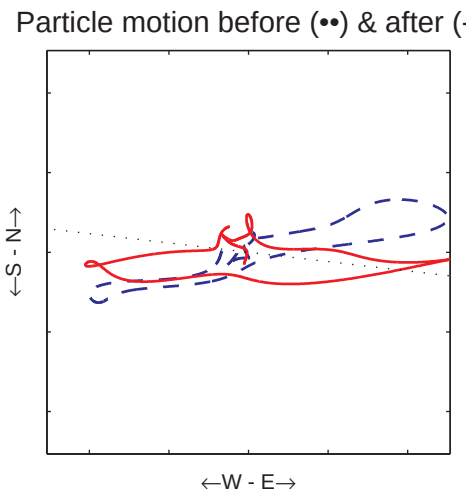


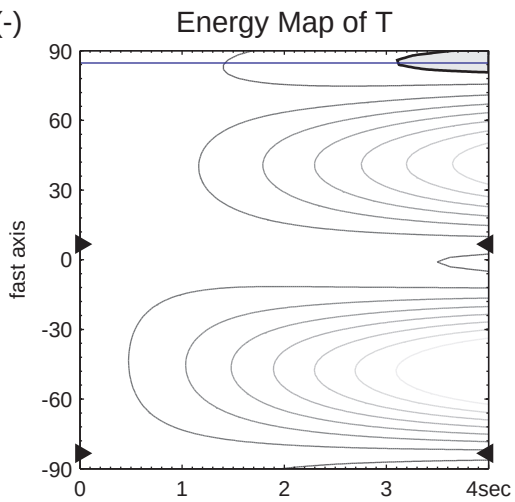


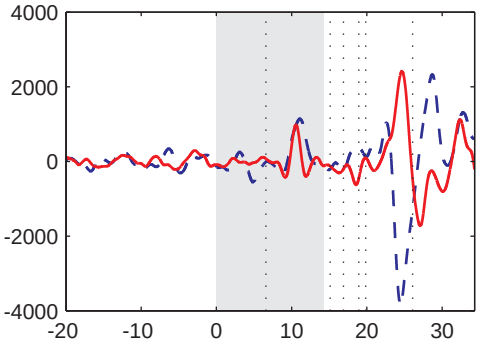








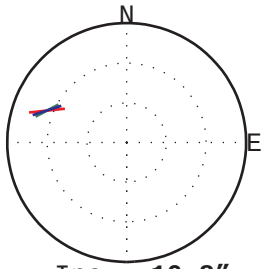




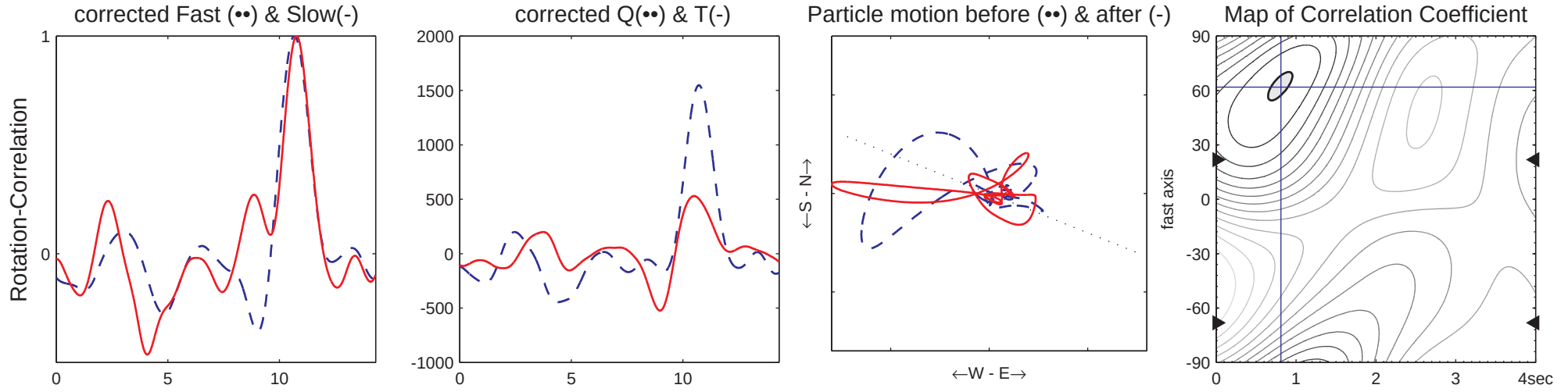
Event: **11-Oct-2008 (285) 10:40 19.16N -64.83E 23km Mw=6.1**
Station: **ANDN** Backazimuth: **291.9”** Distance: **86.84”**
init.Pol.: **96.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

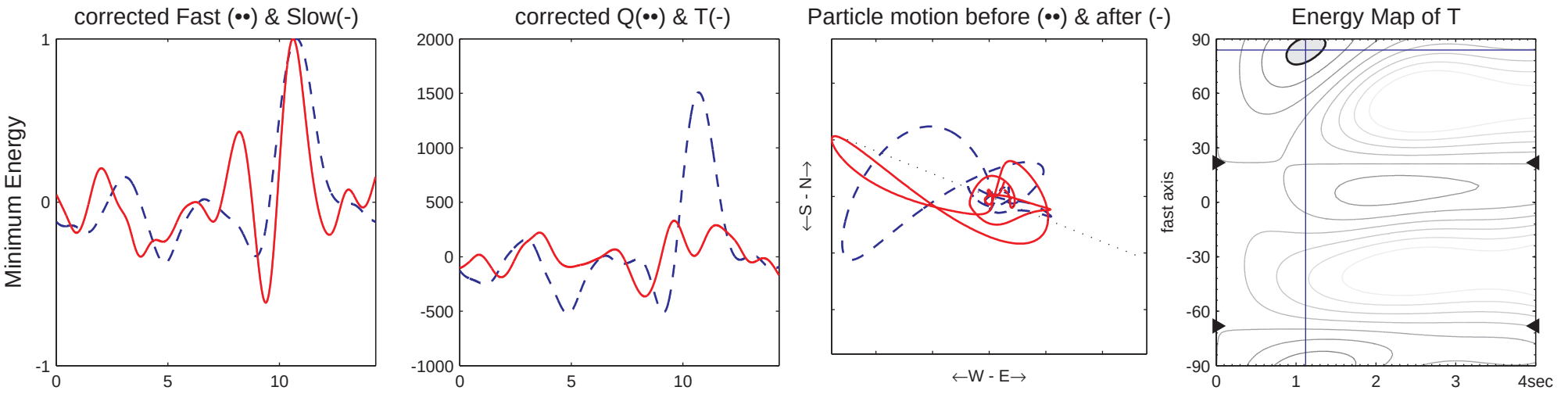
Rotation Correlation:	55<	62° <	70	0.6<0.8s<1.0
Minimum Energy:	76<	84° <	-92	0.9<1.1s<1.4
Eigenvalue:	62<	72° <	82	0.7<0.9s<1.2

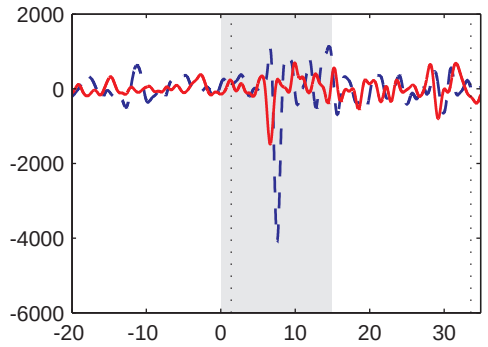
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



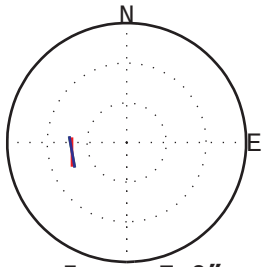




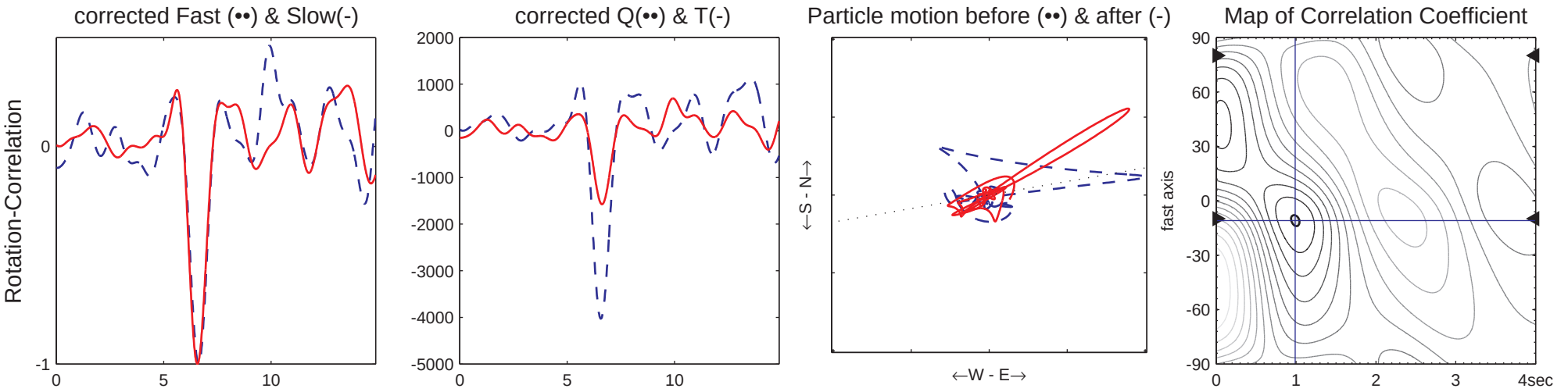
Event: **12-Oct-2008 (286) 20:55 -20.12N -64.97E 352km** Mw=**6.2**
Station: **ANDN** Backazimuth: **260.1”** Distance: **110.84”**
init.Pol.: **61.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.2**

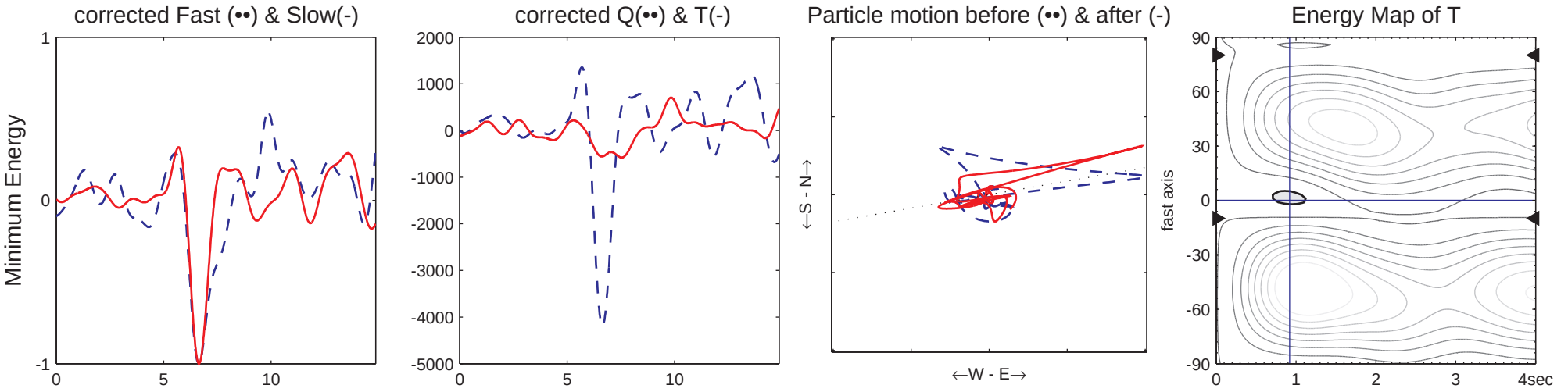
Rotation Correlation:	-15<	-11° <	-9	0.9<1.0s<1.0
Minimum Energy:	-3<	0° <	5	0.7<0.9s<1.1
Eigenvalue:	-15<	-10° <	-7	0.9<1.0s<1.1

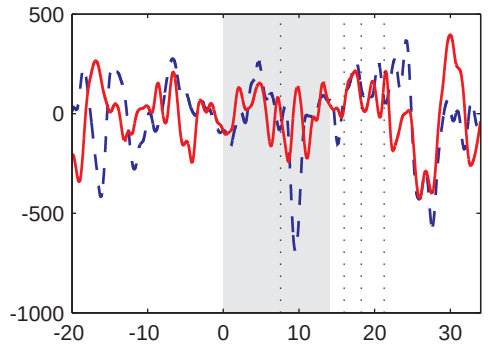
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



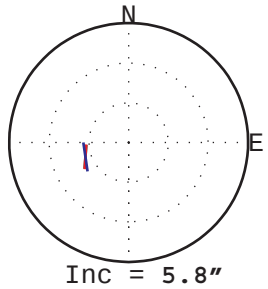


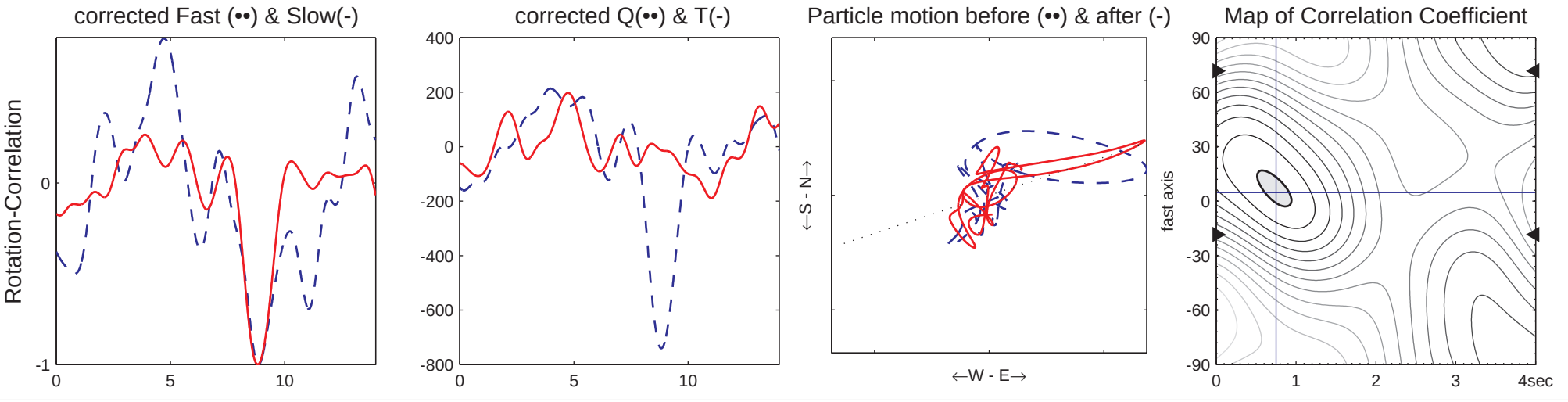


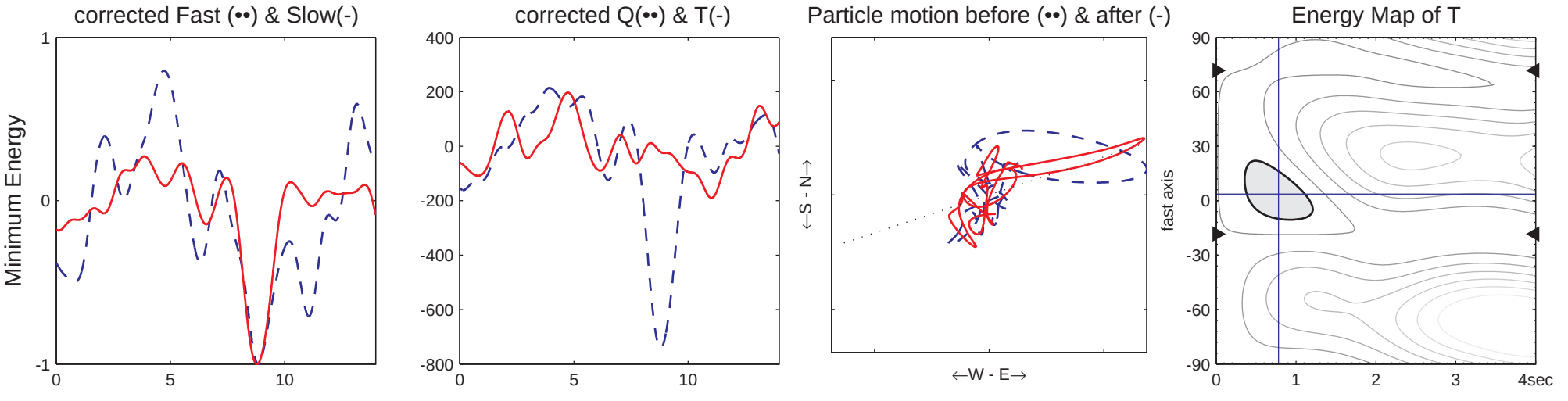
Event: **18-Dec-2008 (353) 21:19 -32.46N -71.73E 18km Mw=6.2**
Station: **ANDN** Backazimuth: **251.7”** Distance: **122.33”**
init.Pol.: **56.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

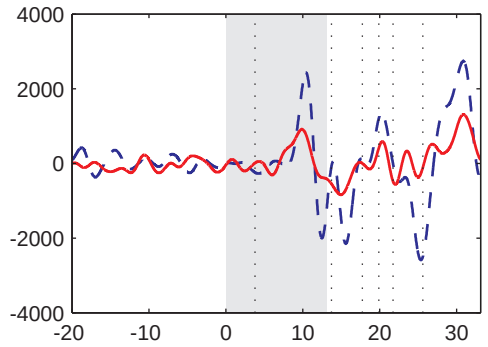
Rotation Correlation:	-3<	5° <	17	0.5<0.8s<0.9
Minimum Energy:	-11<	4° <	21	0.4<0.8s<1.2
Eigenvalue:	-23<	-8° <	5	0.6<0.9s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





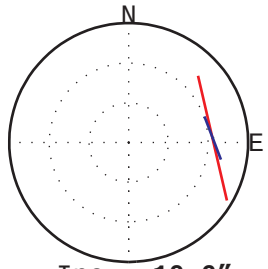




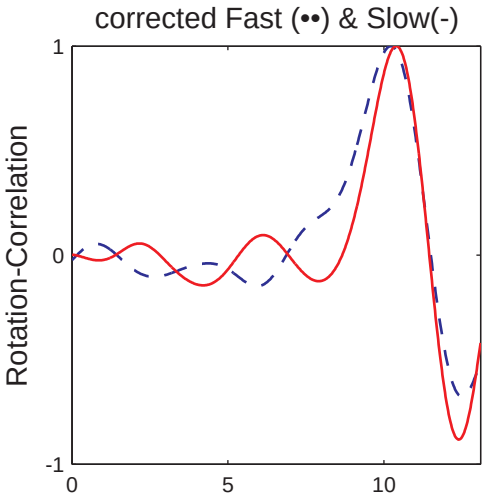
Event: **22-Feb-2009 (053) 17:45 3.68N 126.56E 32km Mw=6.0**
Station: **ANDN** Backazimuth: **87.0”** Distance: **87.93”**
init.Pol.: **240.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.4**

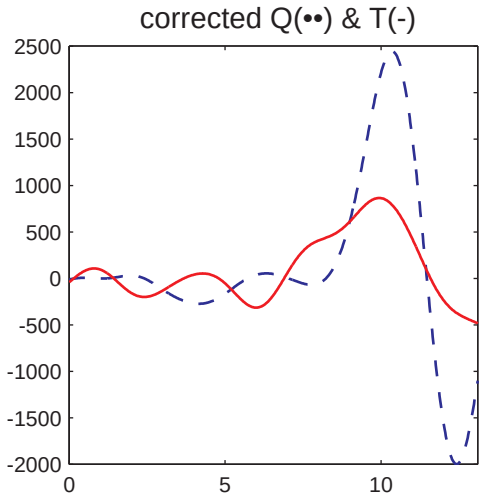
Rotation Correlation:	10<	23° <	38	0.0<0.1s<0.3
Minimum Energy:	-21<	-13° <	-11	3.4<4.0s<4.0
Eigenvalue:	-27<	-21° <	-15	0.8<1.4s<1.9

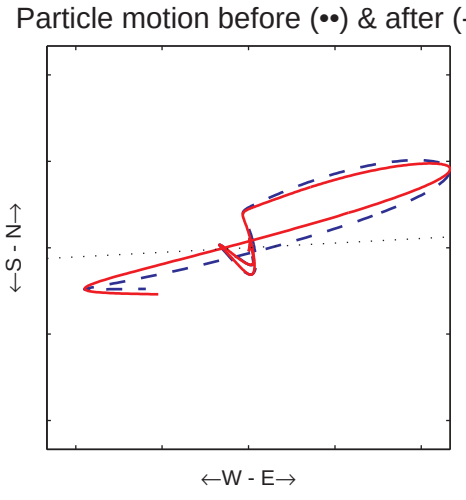
Quality: **fair** IsNull: **Yes** Phase: **SKS**

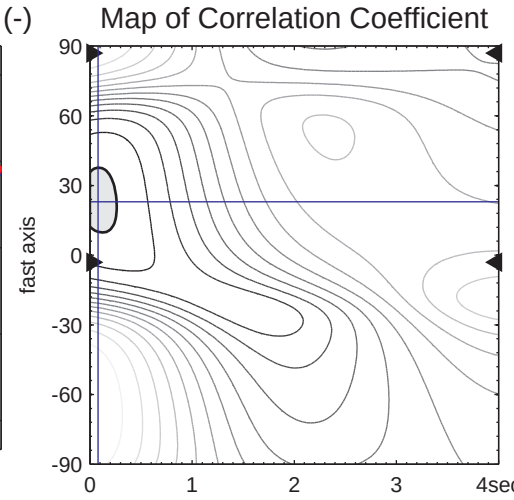


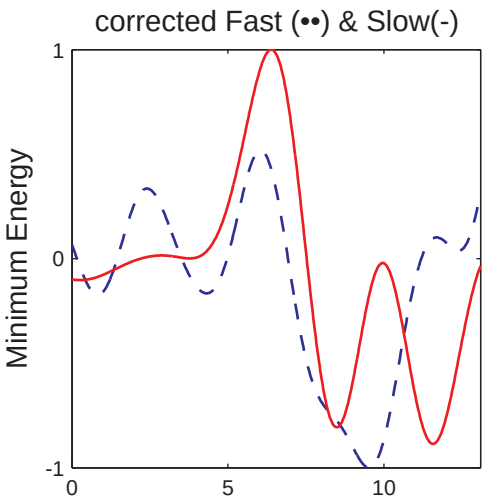
Inc = **10.6”**

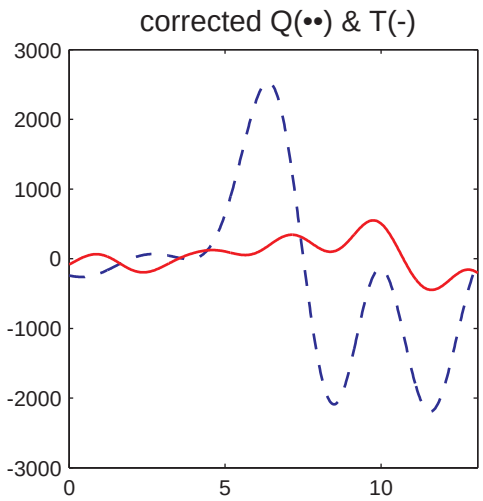


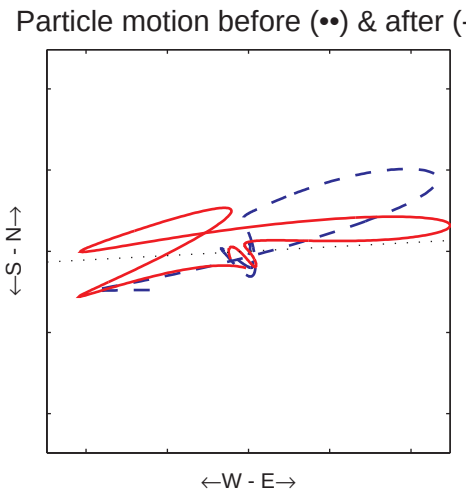


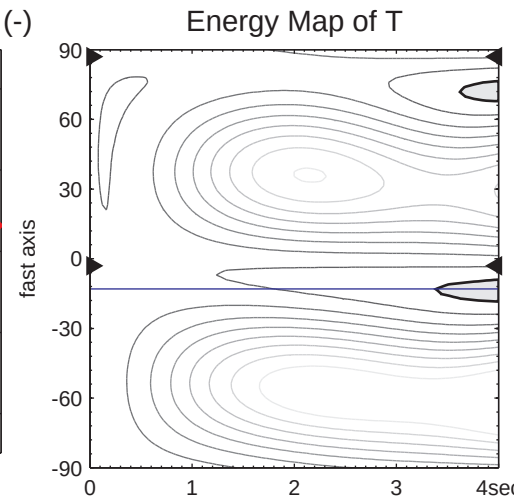


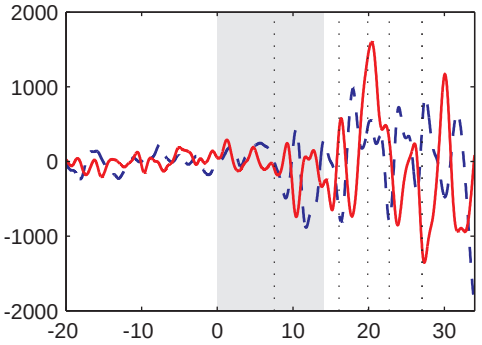








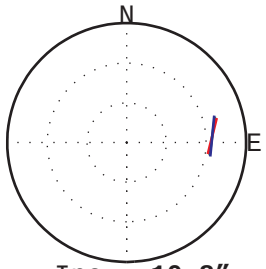




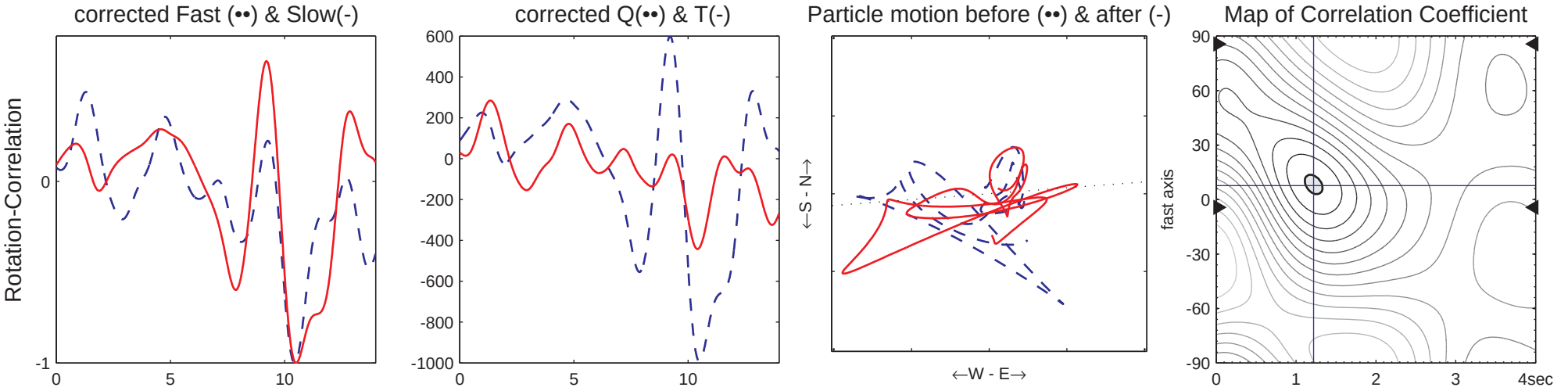
Event: **14-Jun-2009 (165) 05:58 5.36N 126.44E 35km Mw=6.1**
Station: **ANDN** Backazimuth: **85.7”** Distance: **86.81”**
init.Pol.: **250.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

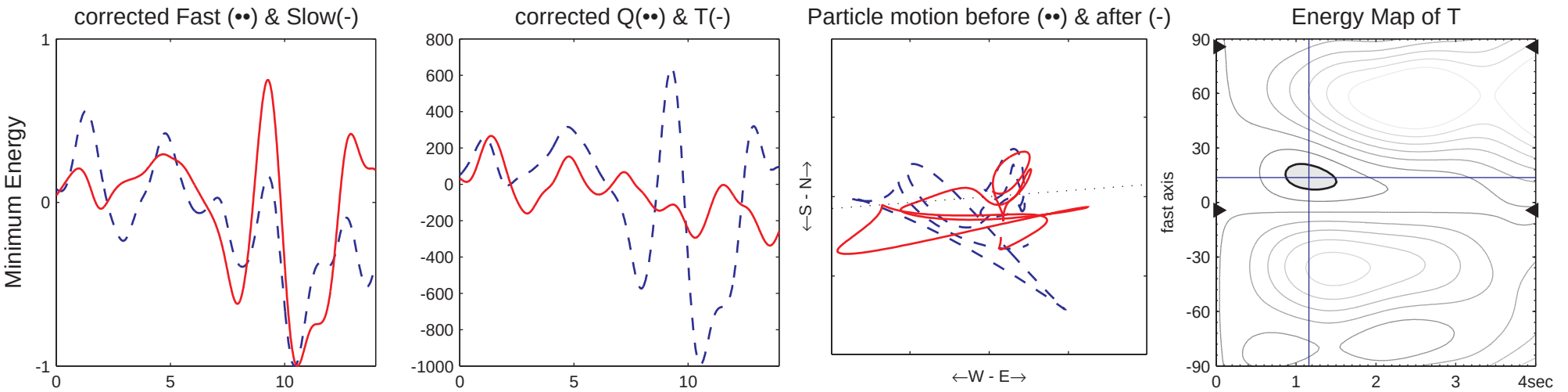
Rotation Correlation:	3<	8° <	14	1.1<1.2s<1.3
Minimum Energy:	7<	14° <	21	0.9<1.2s<1.5
Eigenvalue:	-5<	6° <	15	1.0<1.3s<1.5

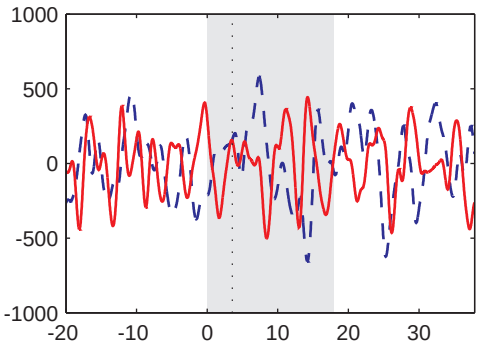
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



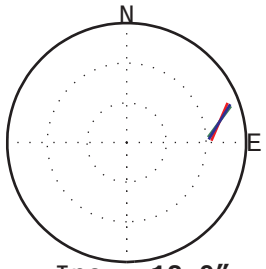




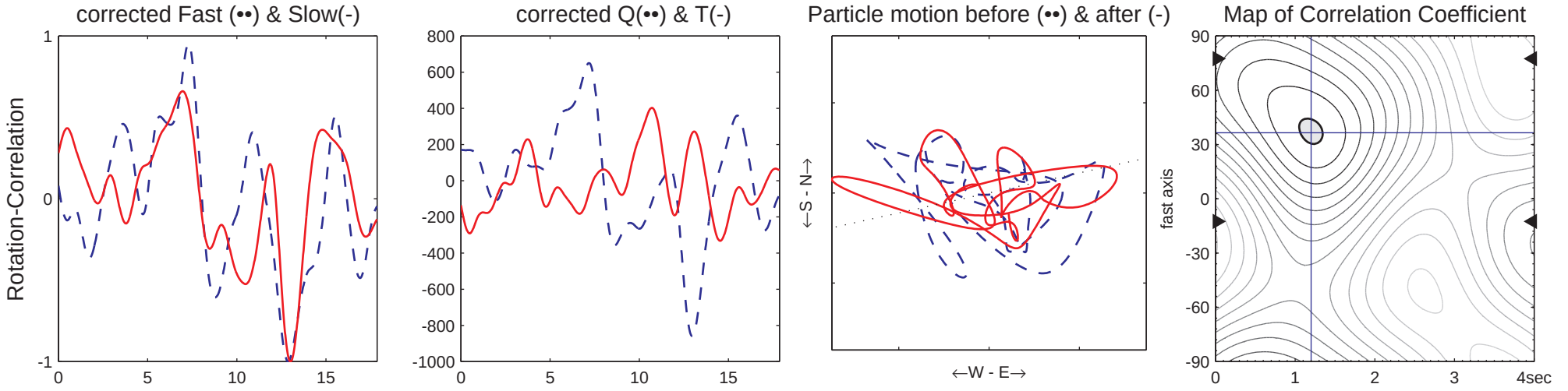
Event: **15-Jul-2009 (196) 20:10 -3.38N 150.51E 13km Mw=6.1**
Station: **ANDN** Backazimuth: **77.5”** Distance: **111.08”**
init.Pol.: **270.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.1**

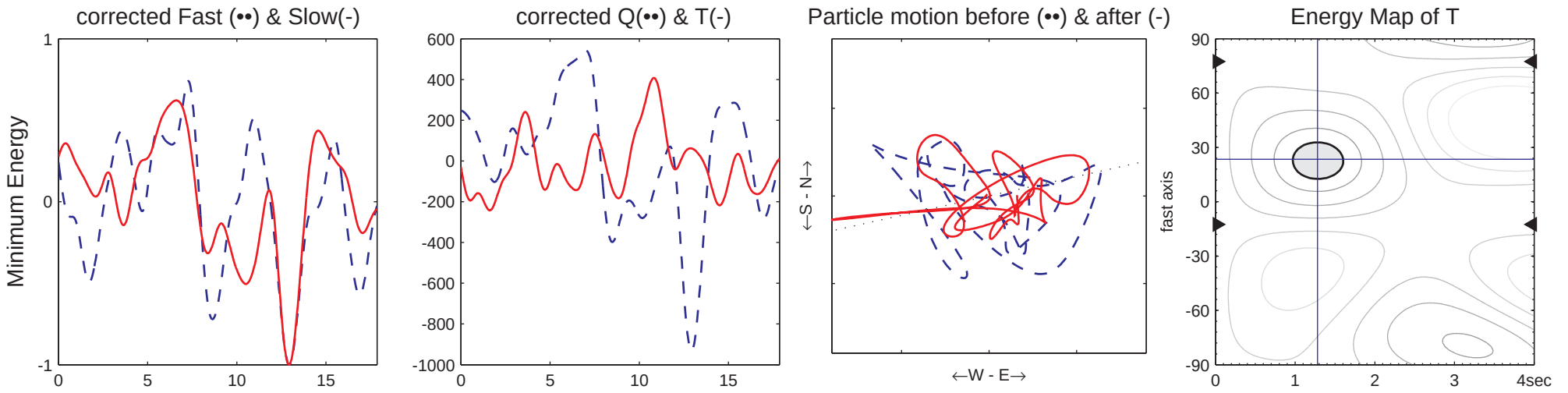
Rotation Correlation:	31<	36° <	45	1.0<1.2s<1.4
Minimum Energy:	13<	23° <	33	1.0<1.3s<1.6
Eigenvalue:	17<	31° <	46	0.9<1.3s<1.6

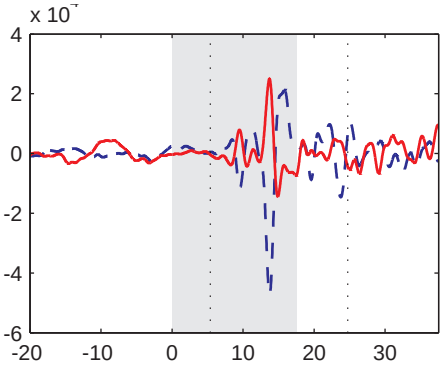
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



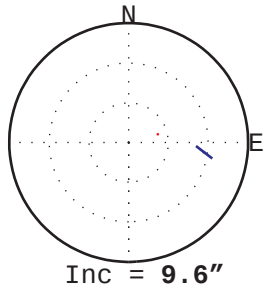


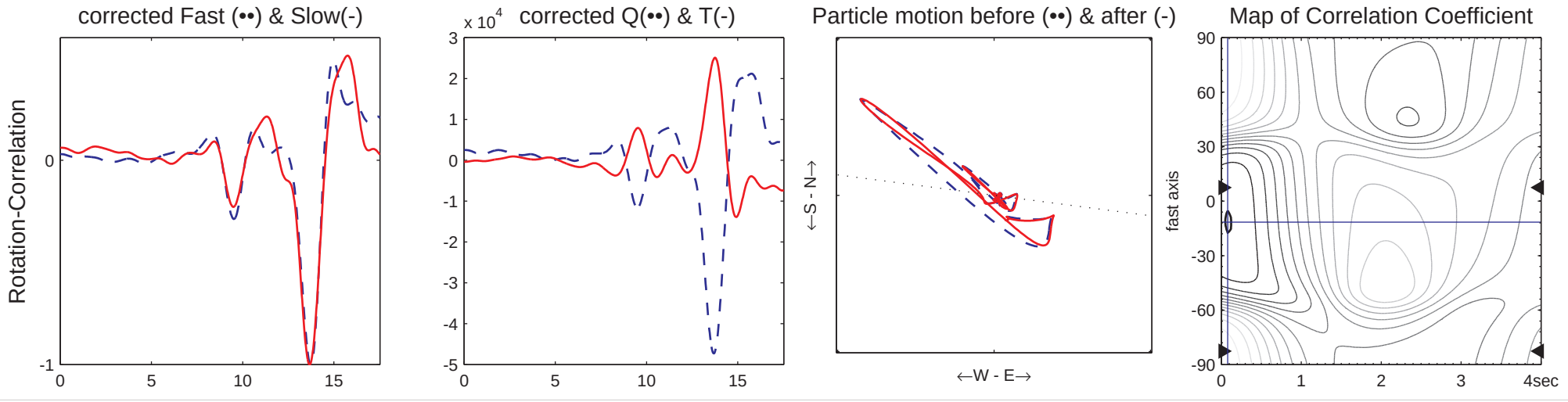


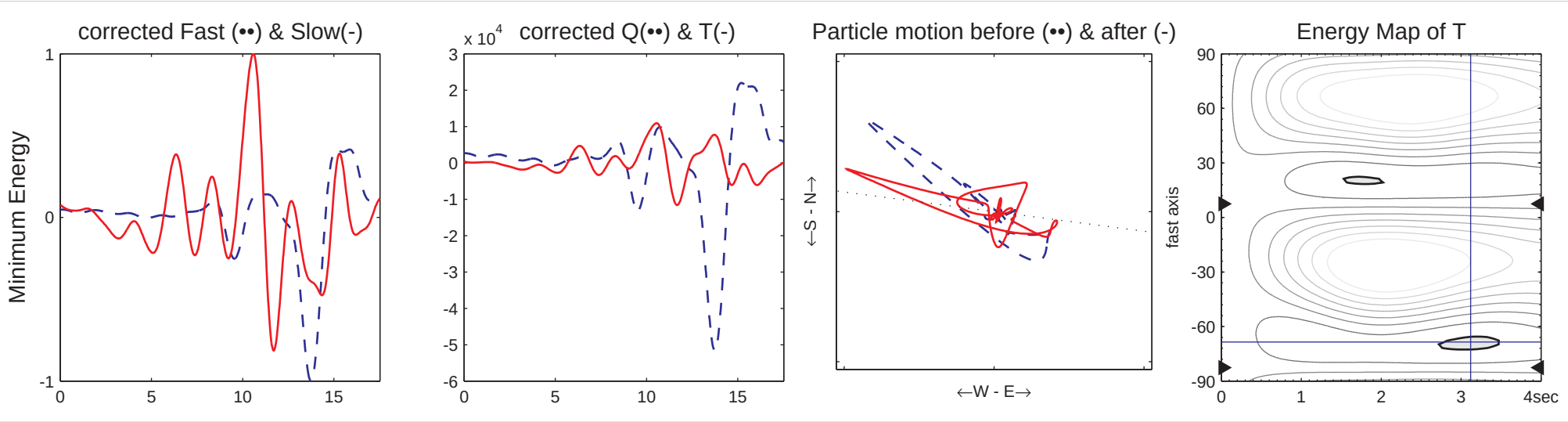
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **ANDN** Backazimuth: **97.4”** Distance: **92.05”**
init.Pol.: **300.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.3**

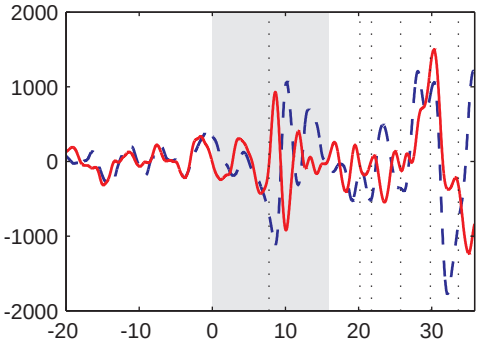
Rotation Correlation:	-19<	-12° <	-7	0.0<0.1s<0.1
Minimum Energy:	-74<	-69° <	-68	2.7<3.1s<3.5
Eigenvalue:	-58<	-53° <	-46	0.2<0.6s<0.8

Quality: **fair** IsNull: **Yes** Phase: **SKS**





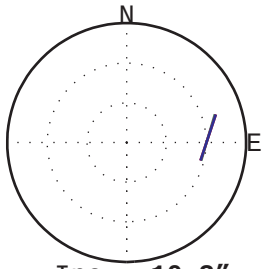




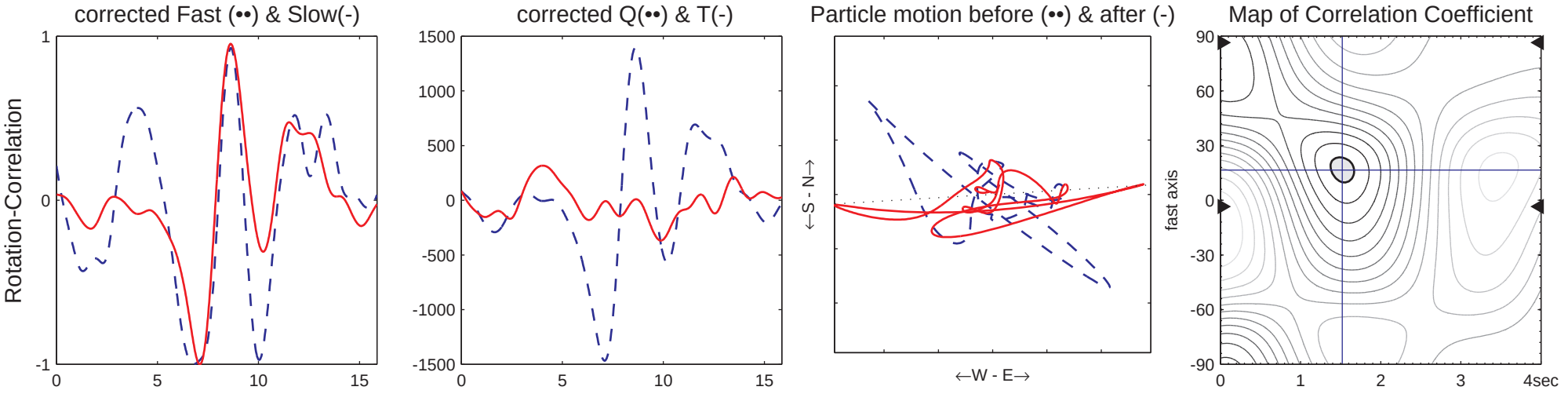
Event: **13-Oct-2009 (286) 11:38 2.93N 128.23E 32km Mw=6.0**
Station: **ANDN** Backazimuth: **86.5”** Distance: **89.71”**
init.Pol.: **266.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

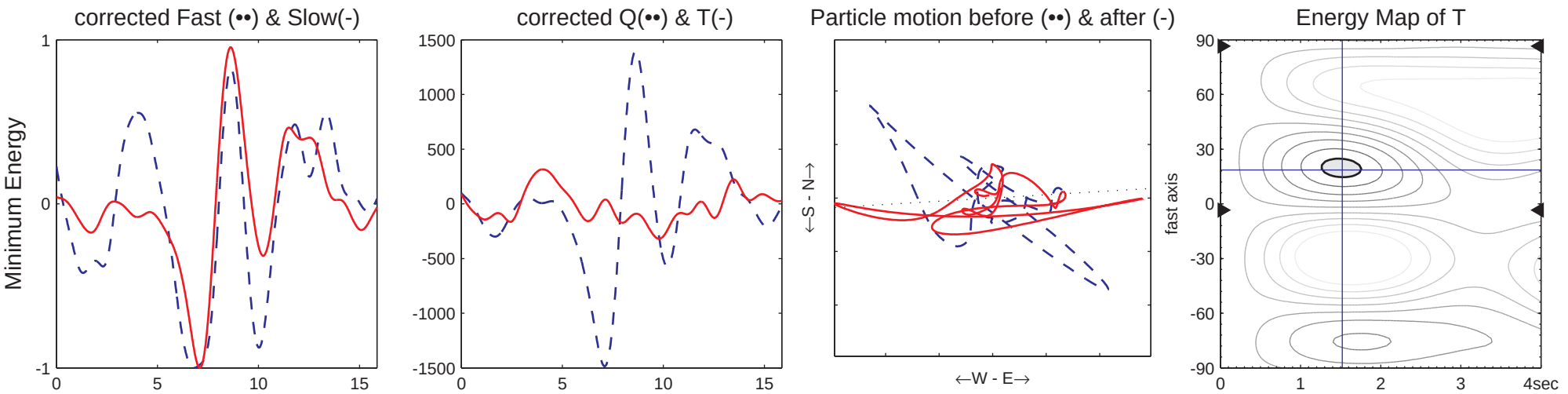
Rotation Correlation:	10<	17° <	24	1.4<1.5s<1.7
Minimum Energy:	15<	19° <	25	1.3<1.5s<1.8
Eigenvalue:	11<	19° <	29	1.2<1.5s<1.8

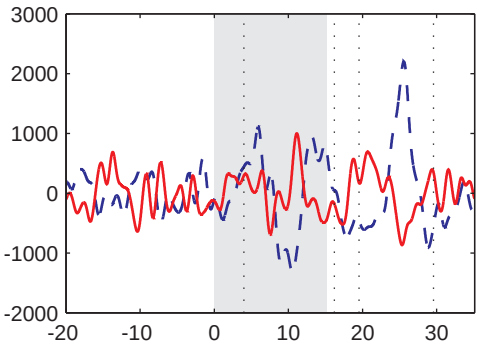
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.3”**



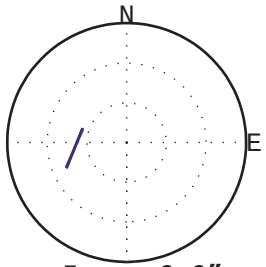


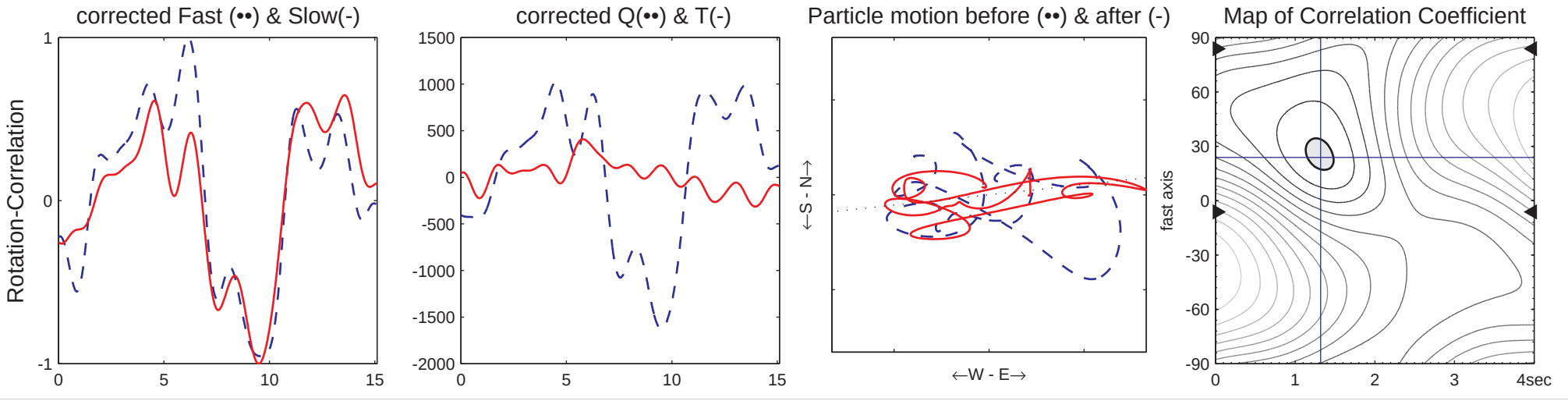


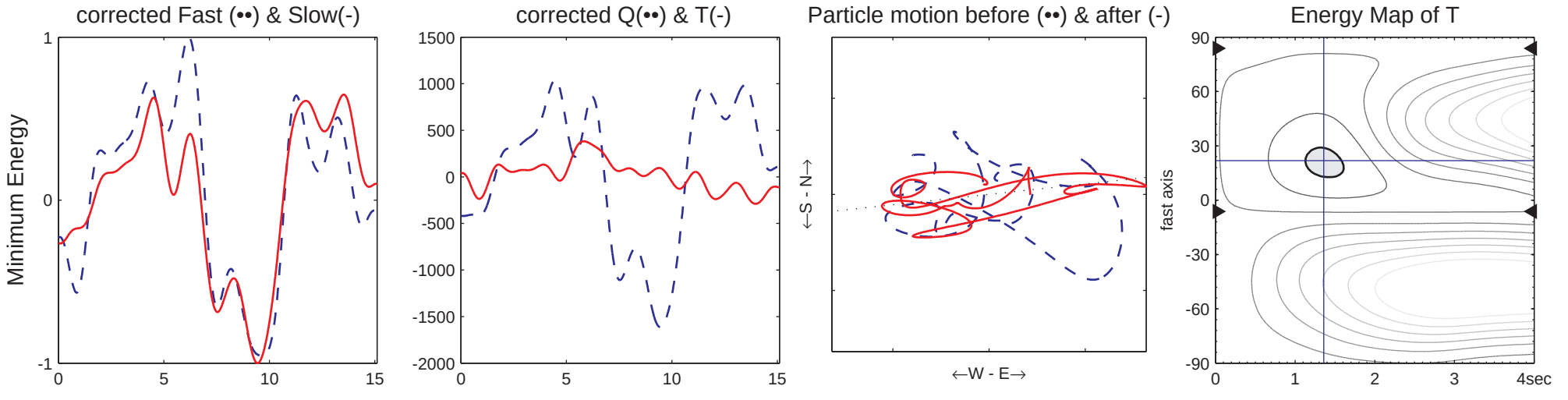
Event: **13-Nov-2009 (317) 03:05 -19.39N -70.32E 27km Mw=6.5**
Station: **ANDN** Backazimuth: **263.8”** Distance: **114.64”**
init.Pol.: **84.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

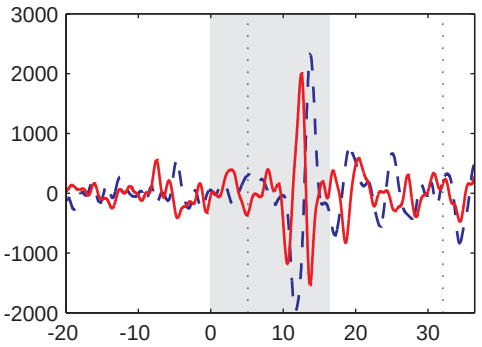
Rotation Correlation:	17<	24° <	35	1.1<1.3s<1.5
Minimum Energy:	13<	22° <	29	1.1<1.4s<1.6
Eigenvalue:	11<	22° <	33	1.1<1.4s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





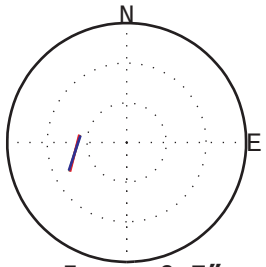




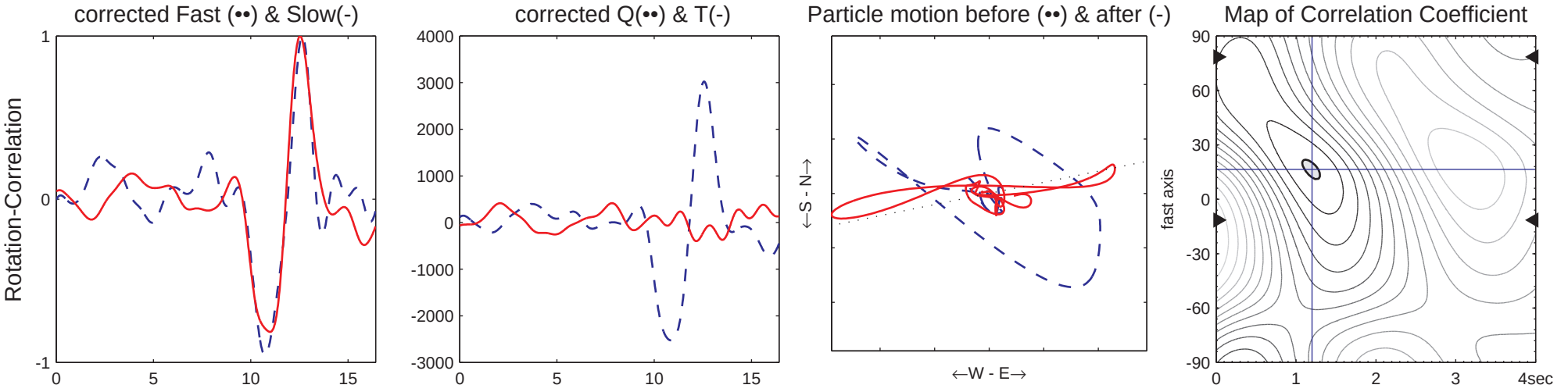
Event: **14-Nov-2009 (318) 19:44 -22.97N -66.64E 220km** Mw=**6.2**
Station: **ANDN** Backazimuth: **258.5”** Distance: **113.70”**
init.Pol.: **85.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.7**

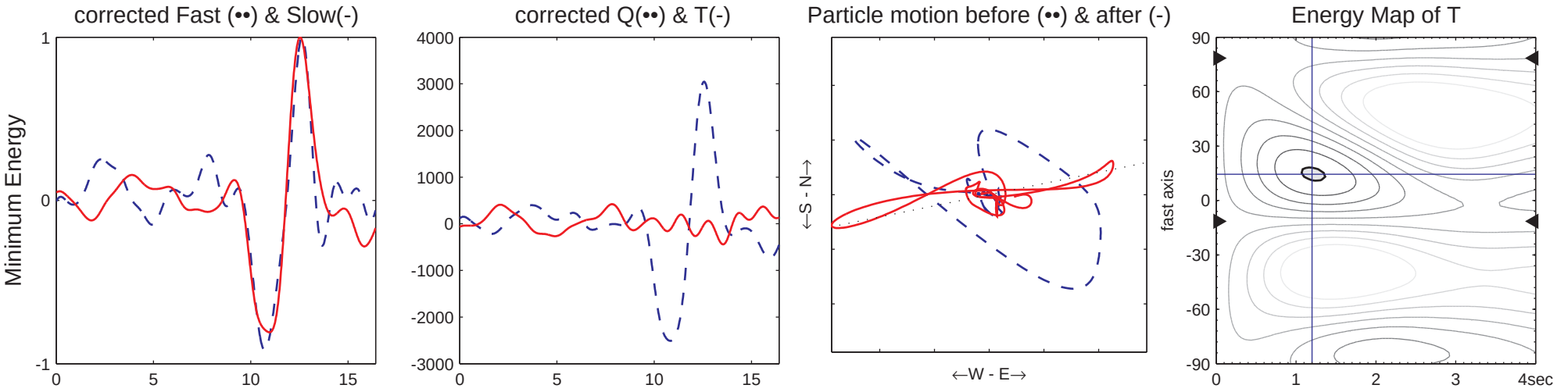
Rotation Correlation:	12<	16° <	22	1.1<1.2s<1.3
Minimum Energy:	11<	14° <	17	1.1<1.2s<1.4
Eigenvalue:	13<	18° <	27	1.0<1.2s<1.3

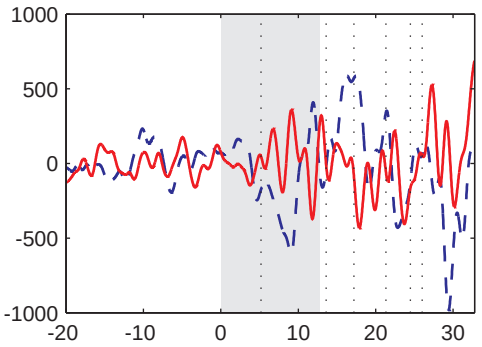
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.7”**



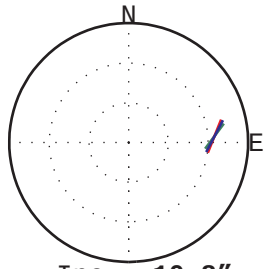




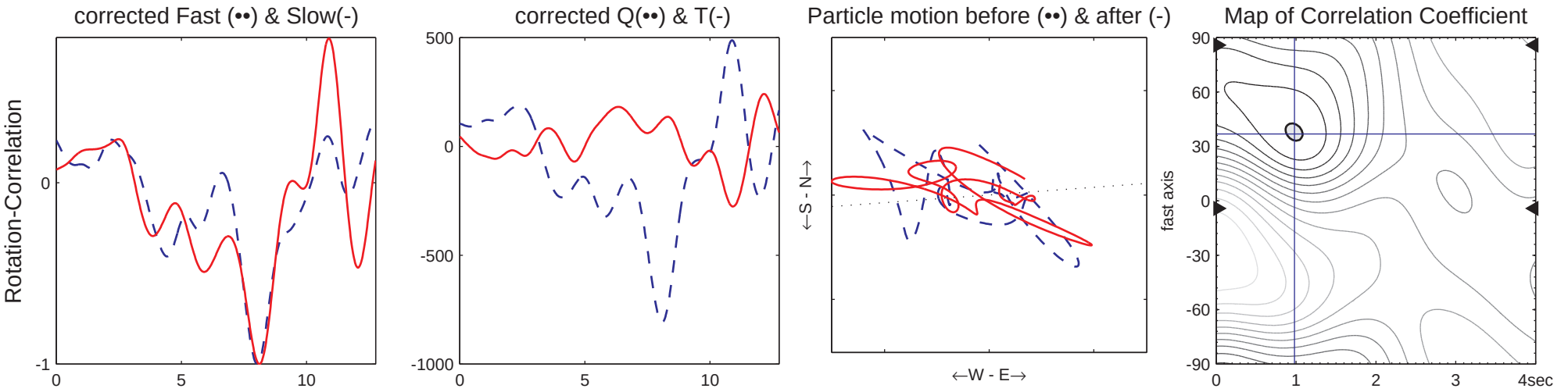
Event: **28-Nov-2009 (332) 18:10 5.33N 126.29E 38km Mw=6.1**
Station: **ANDN** Backazimuth: **85.8”** Distance: **86.71”**
init.Pol.: **277.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

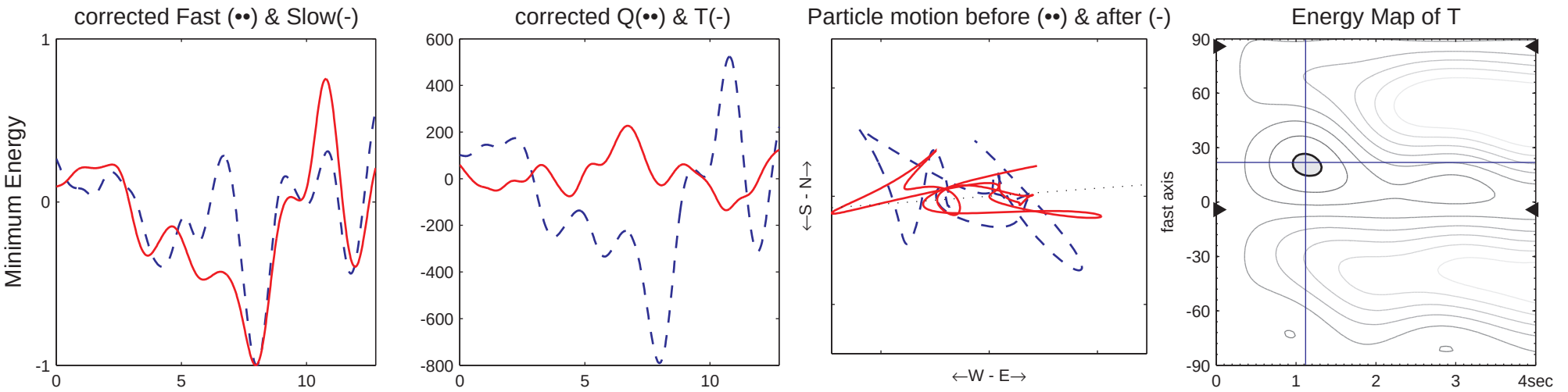
Rotation Correlation:	33<	37° <	43	0.9<1.0s<1.1
Minimum Energy:	15<	22° <	27	1.0<1.1s<1.3
Eigenvalue:	21<	28° <	33	0.9<1.1s<1.3

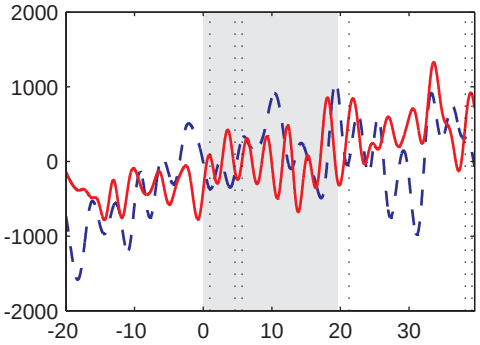
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



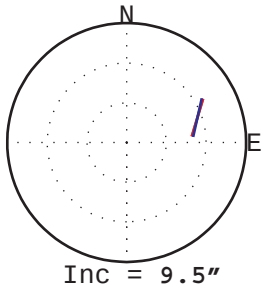


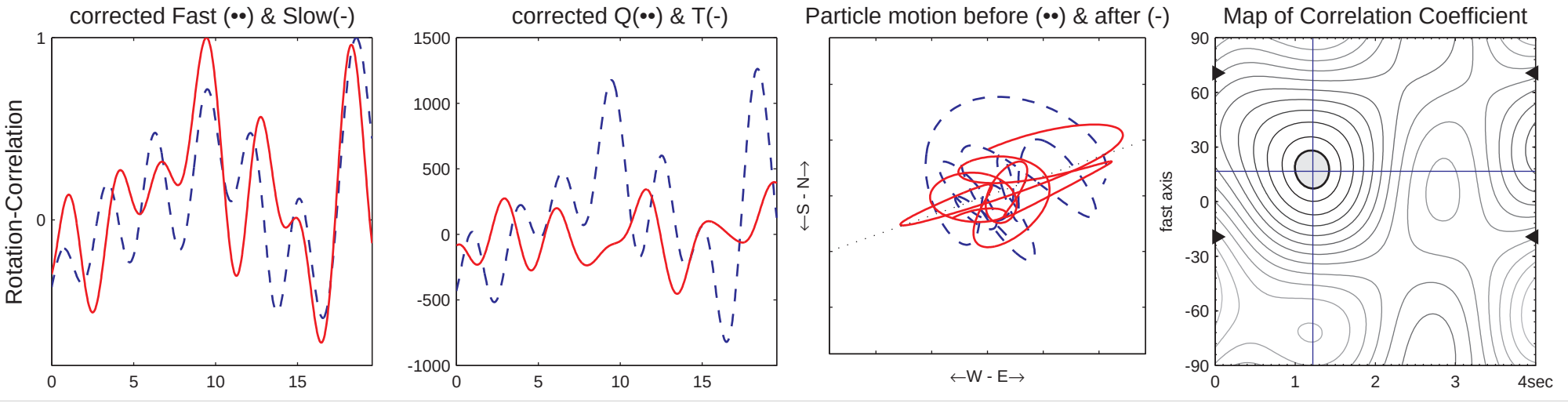


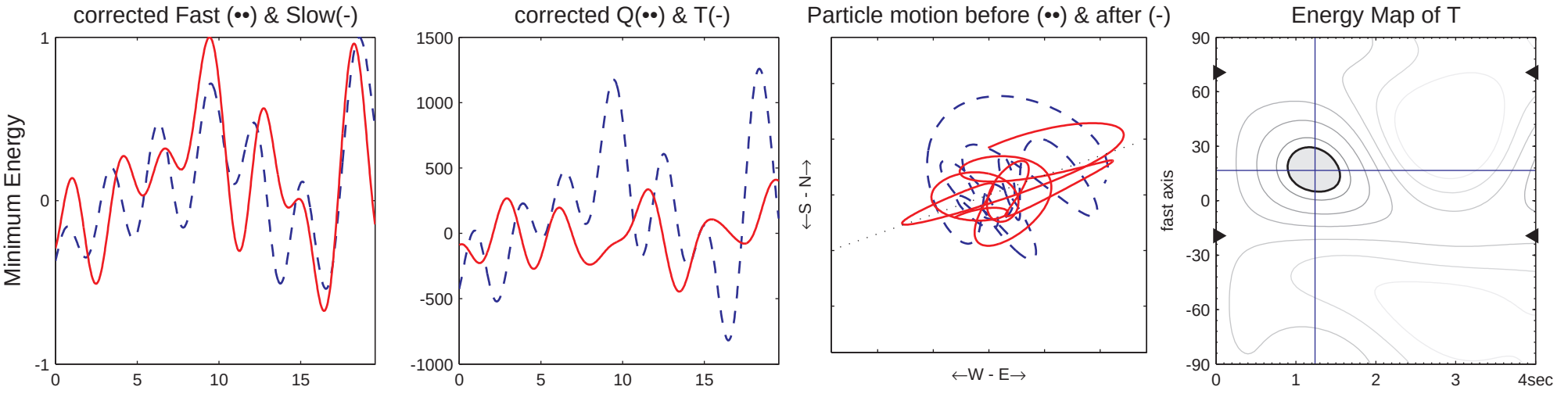
Event: **02-Jan-2010 (002) 08:45 12.42N 141.95E 8km Mw=6.1**
Station: **ANDN** Backazimuth: **70.6”** Distance: **94.41”**
init.Pol.: **245.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.2**

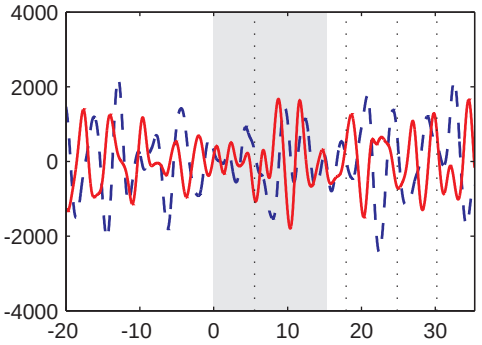
Rotation Correlation:	8<	17° <	28	1.0<1.2s<1.4
Minimum Energy:	5<	17° <	29	0.9<1.2s<1.6
Eigenvalue:	-5<	13° <	33	0.9<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





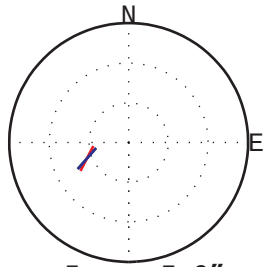


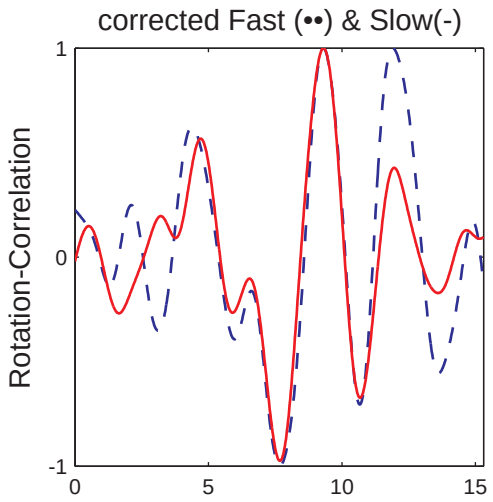


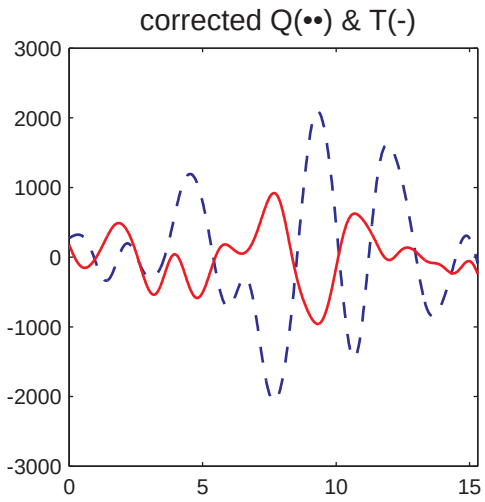
Event: **28-Feb-2010 (059) 11:25 -34.90N -71.62E 46km Mw=6.2**
Station: **ANDN** Backazimuth: **249.0”** Distance: **123.33”**
init.Pol.: **86.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

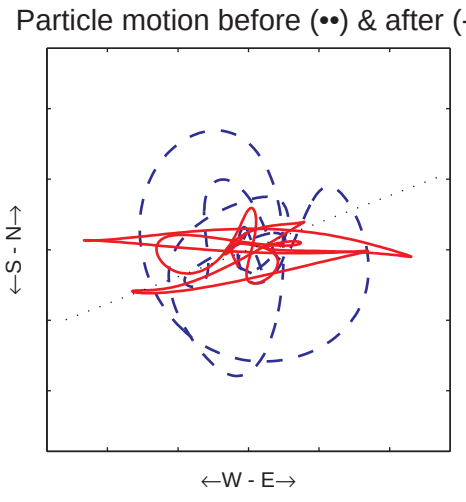
Rotation Correlation:	34<	42° <	51	0.8<0.9s<1.0
Minimum Energy:	21<	27° <	35	0.8<0.9s<1.0
Eigenvalue:	29<	41° <	54	0.8<0.9s<1.0

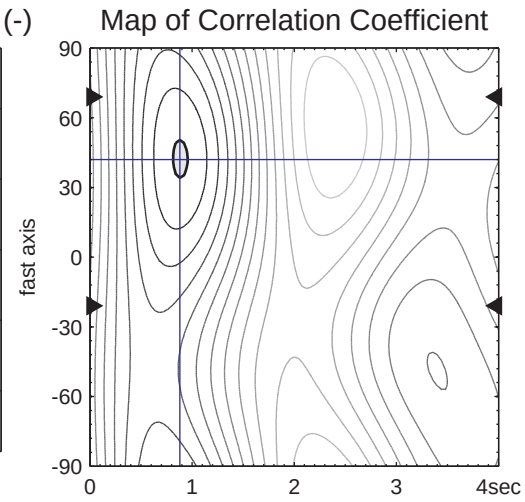
Quality: **fair** IsNull: **No** Phase: **SKS**

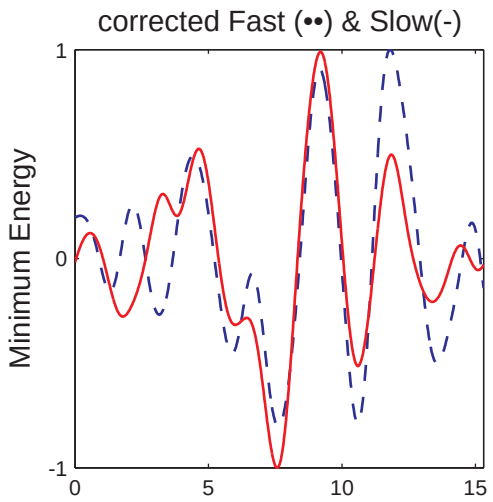


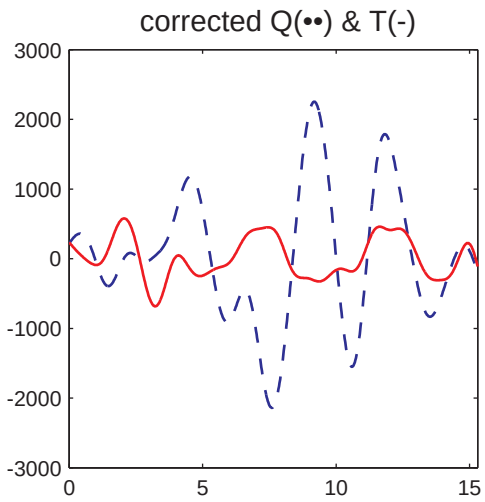


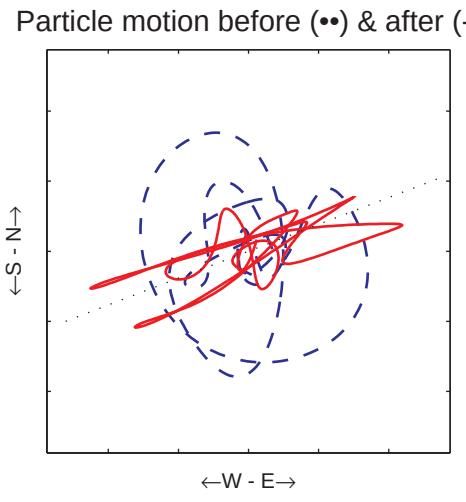


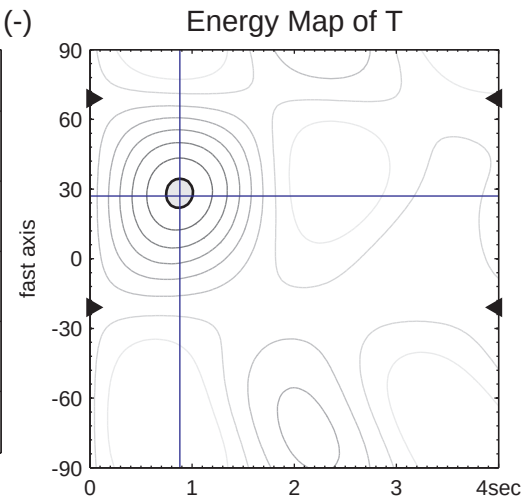


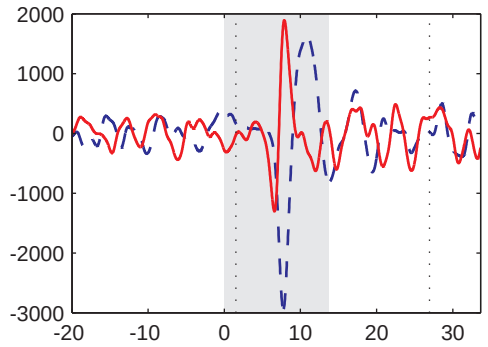








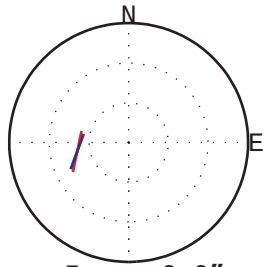




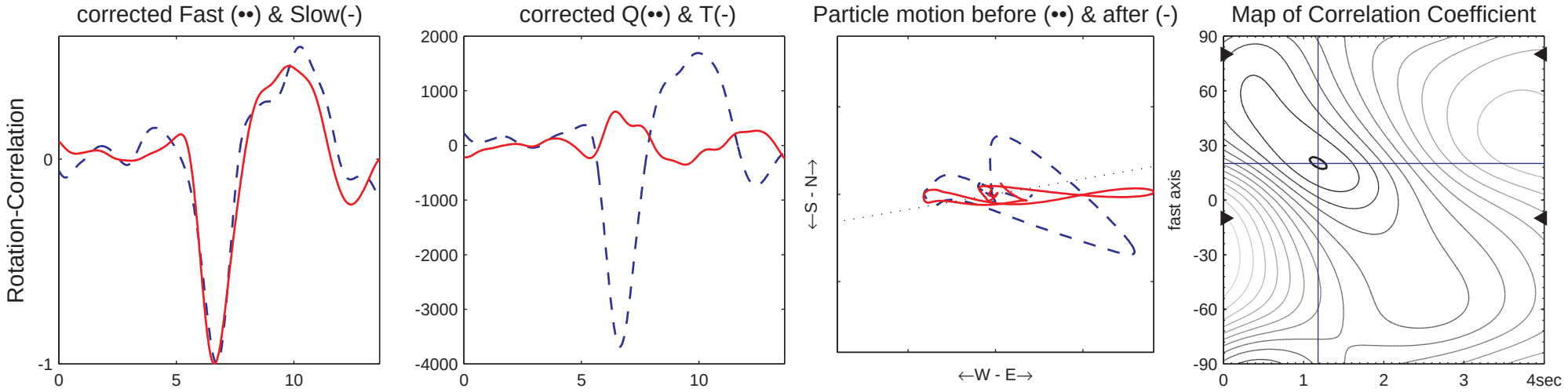
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **ANDN** Backazimuth: **260.1”** Distance: **114.62”**
init.Pol.: **89.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.4**

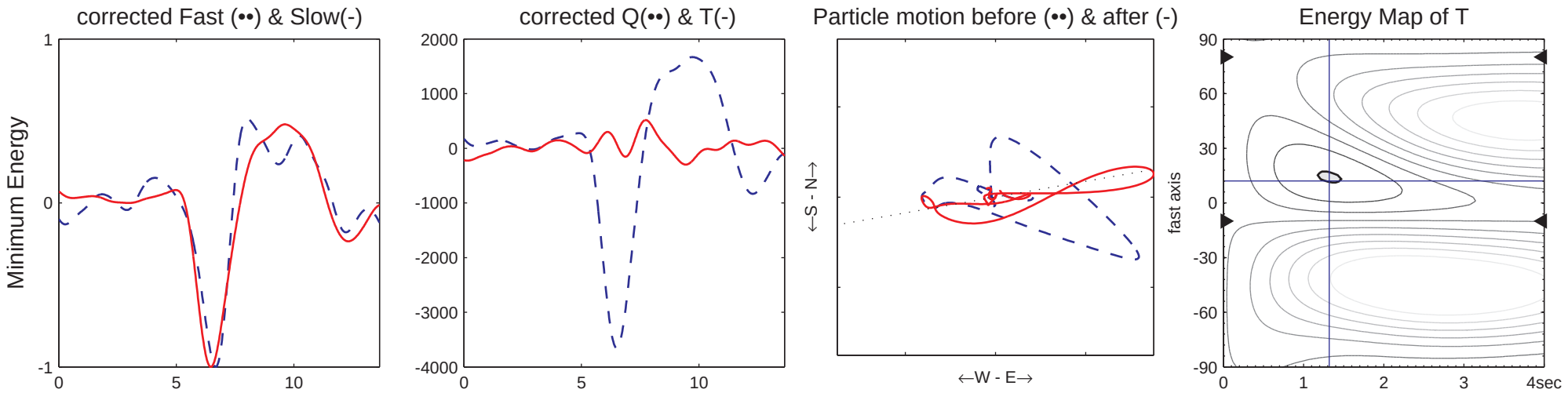
Rotation Correlation:	17<	20° <	24	1.1<1.2s<1.3
Minimum Energy:	11<	12° <	17	1.2<1.3s<1.5
Eigenvalue:	17<	20° <	23	1.1<1.2s<1.3

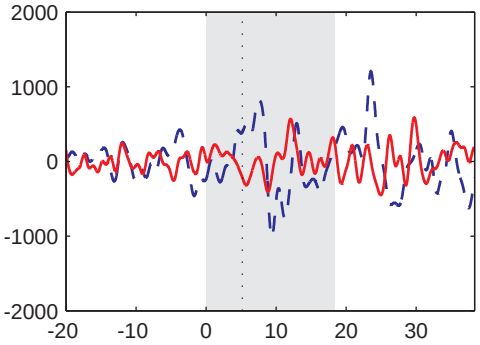
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.6”**



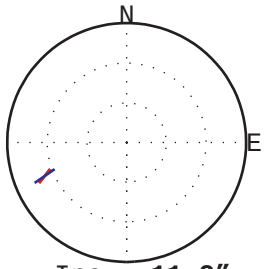




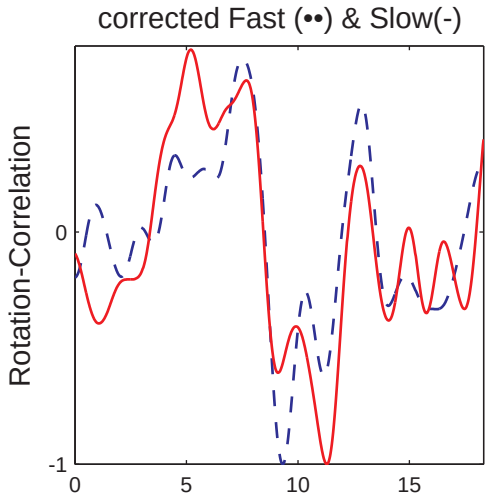
Event: **05-Mar-2010 (064) 09:19 -36.63N -73.22E 29km Mw=6.1**
Station: **ANDN** Backazimuth: **247.8”** Distance: **125.23”**
init.Pol.: **80.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

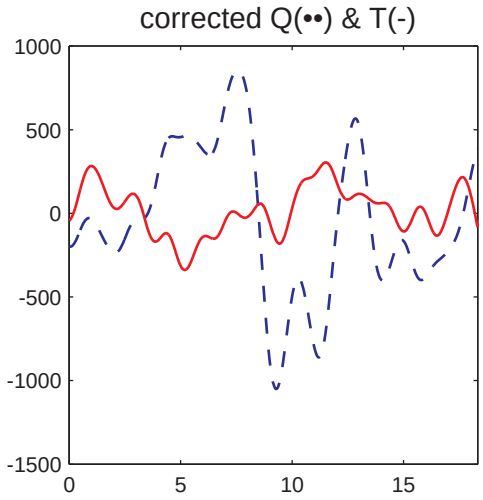
Rotation Correlation:	30<	38° <	48	0.4<0.5s<0.7
Minimum Energy:	11<	38° <	52	0.3<0.6s<0.8
Eigenvalue:	37<	56° <	68	0.5<0.8s<1.1

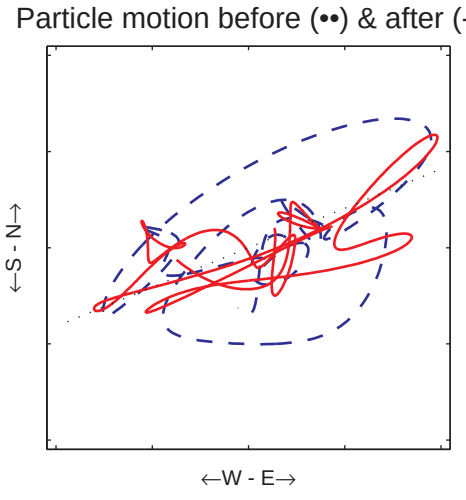
Quality: **good** IsNull: **No** Phase: **SKKS**

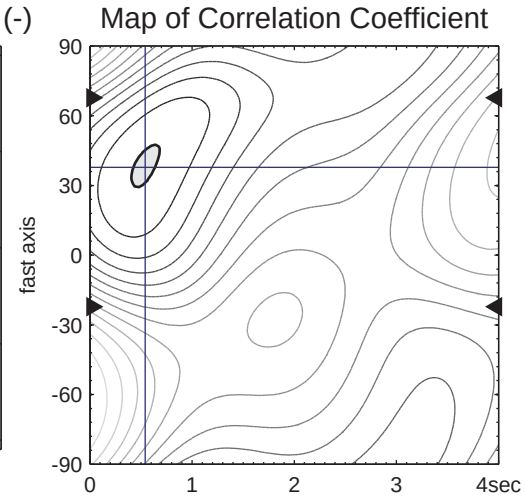


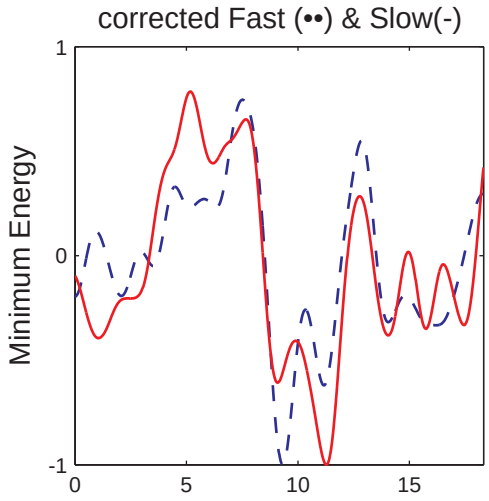
Inc = **11.2”**

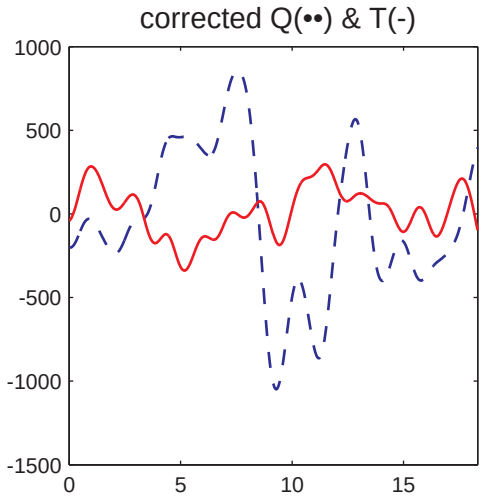


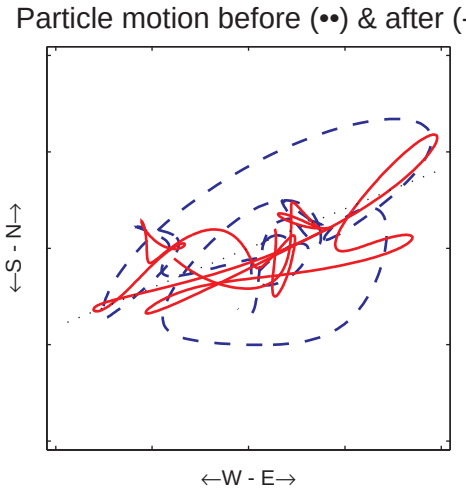


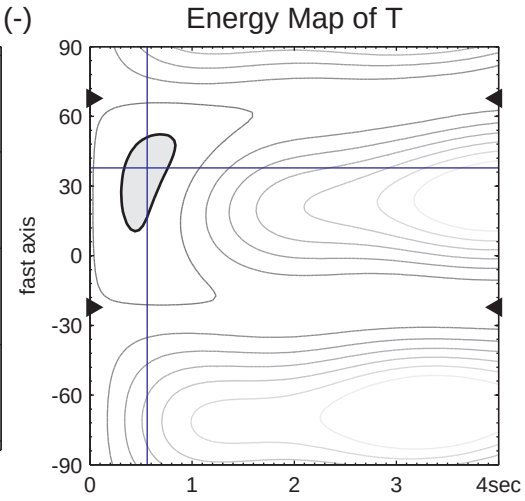


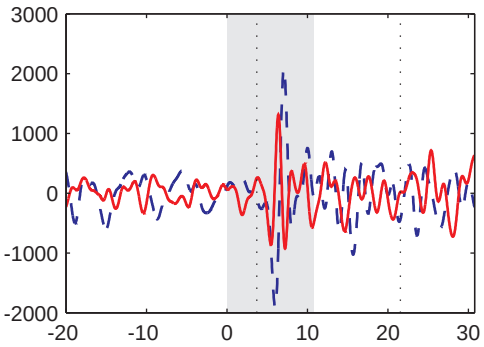








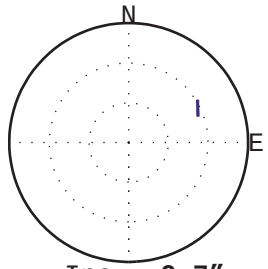


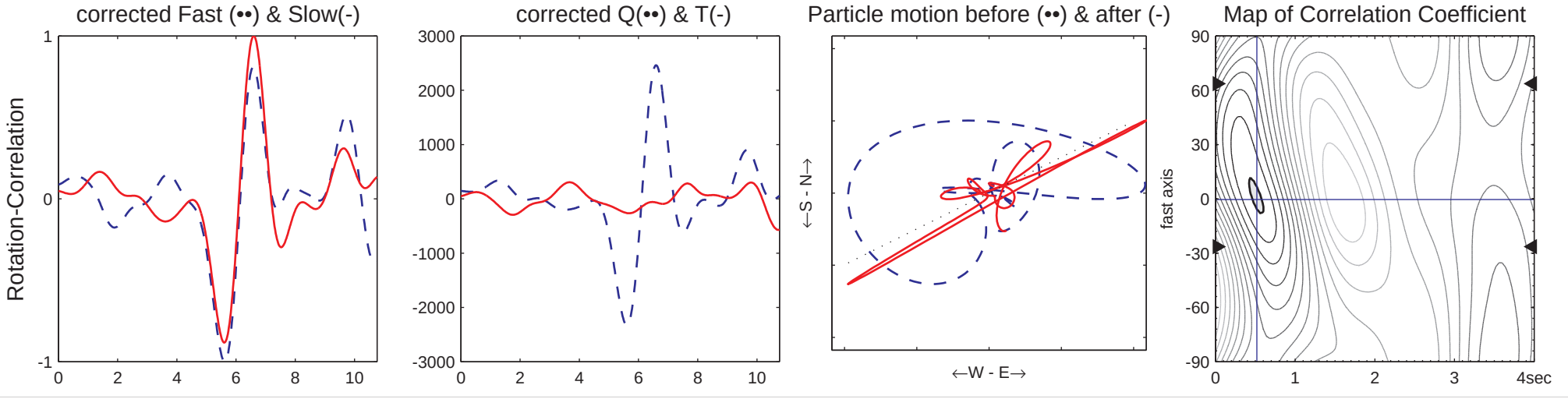


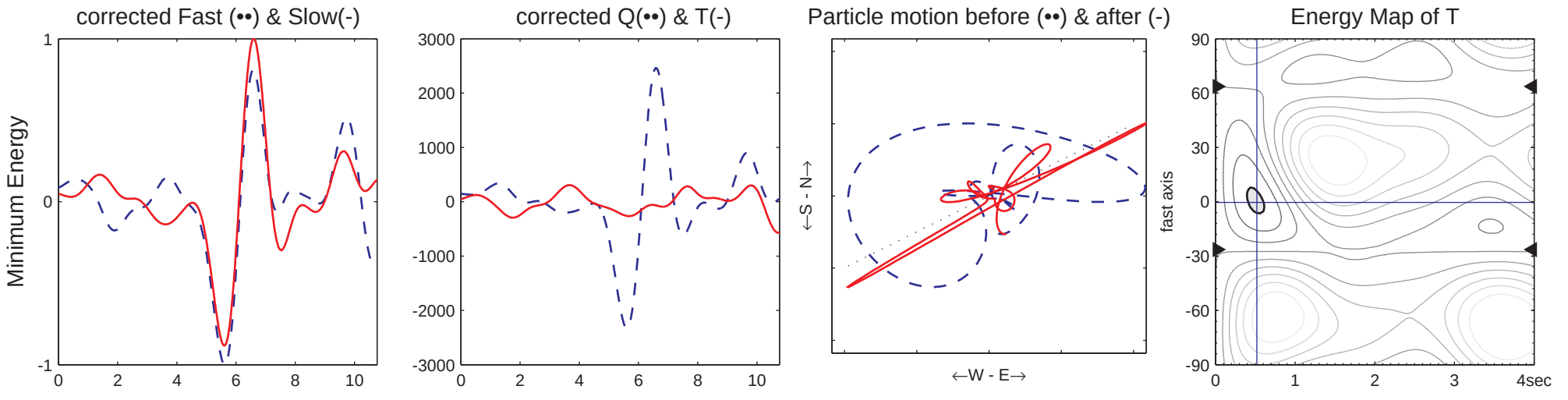
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **ANDN** Backazimuth: **63.6”** Distance: **91.95”**
init.Pol.: **239.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.6**

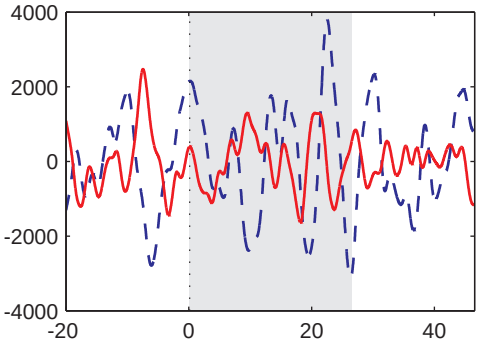
Rotation Correlation:	-8<	-0° <	12	0.4<0.5s<0.6
Minimum Energy:	-9<	-0° <	5	0.4<0.5s<0.6
Eigenvalue:	-17<	-2° <	7	0.4<0.5s<0.6

Quality: **good** IsNull: **No** Phase: **SKS**





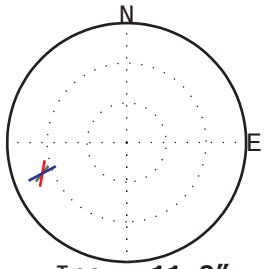




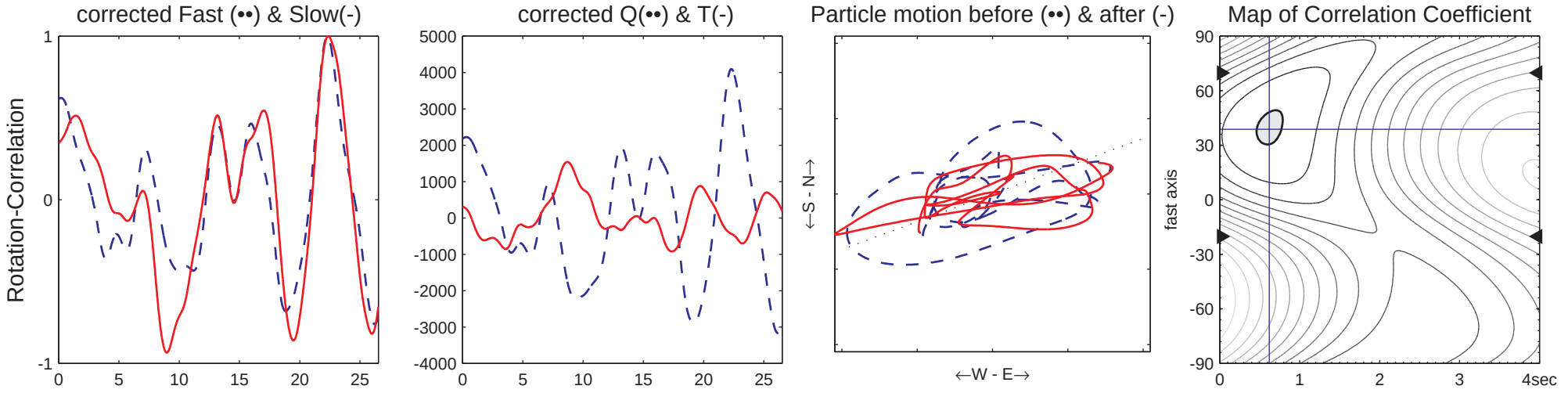
Event: **11-Mar-2010 (070) 14:39 -34.29N -71.89E 11km Mw=6.9**
Station: **ANDN** Backazimuth: **249.8”** Distance: **123.26”**
init.Pol.: **87.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

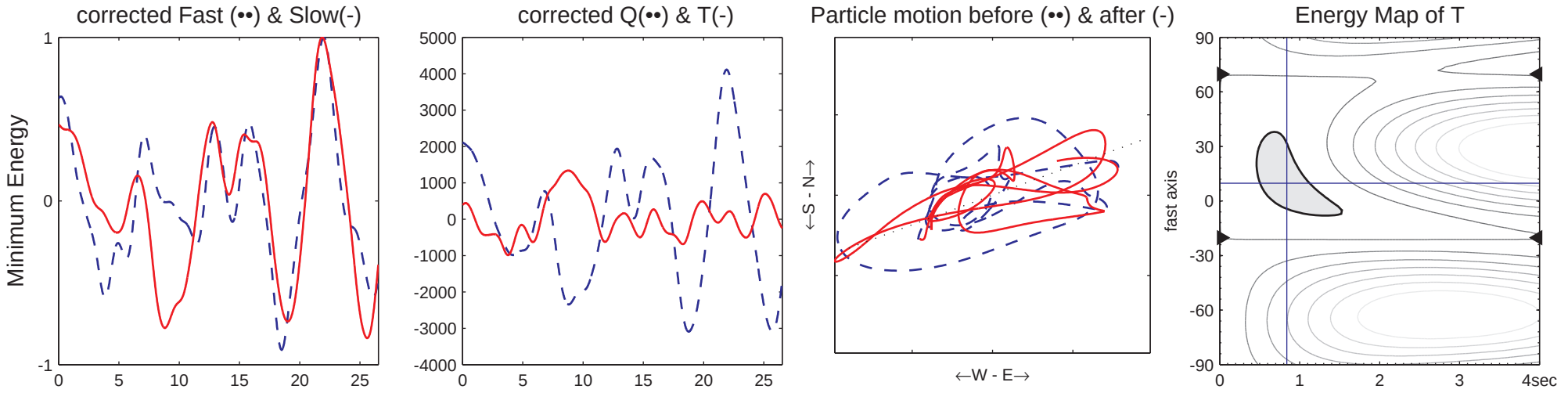
Rotation Correlation:	31<	39° <	49	0.5<0.6s<0.8
Minimum Energy:	-7<	10° <	37	0.5<0.8s<1.5
Eigenvalue:	31<	62° <	78	0.6<1.0s<1.5

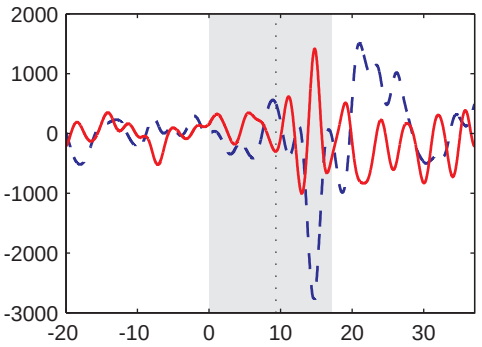
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.3”**



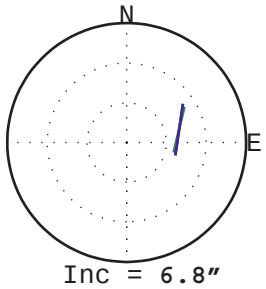


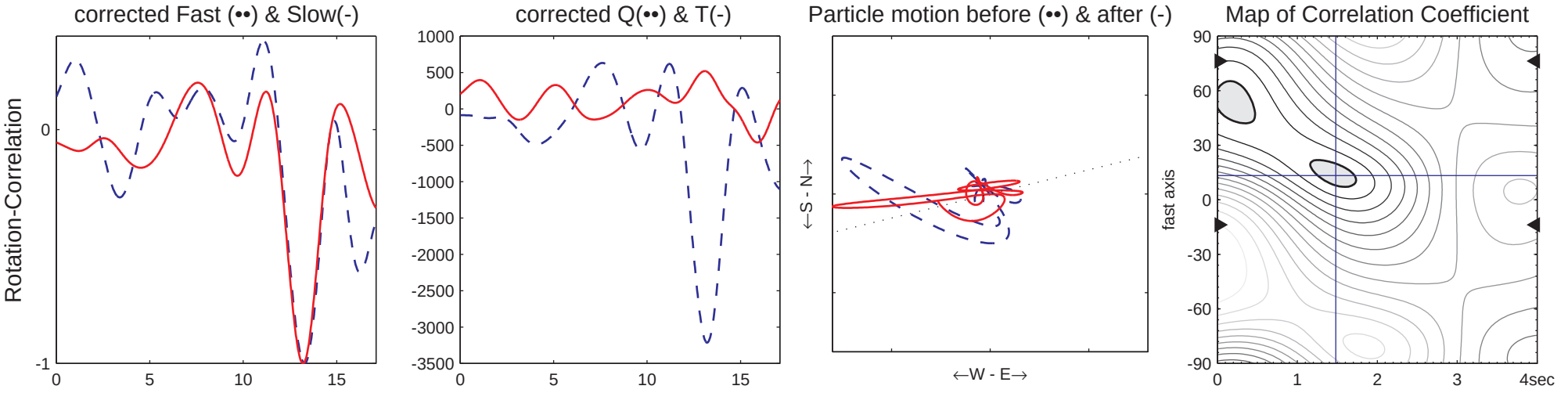


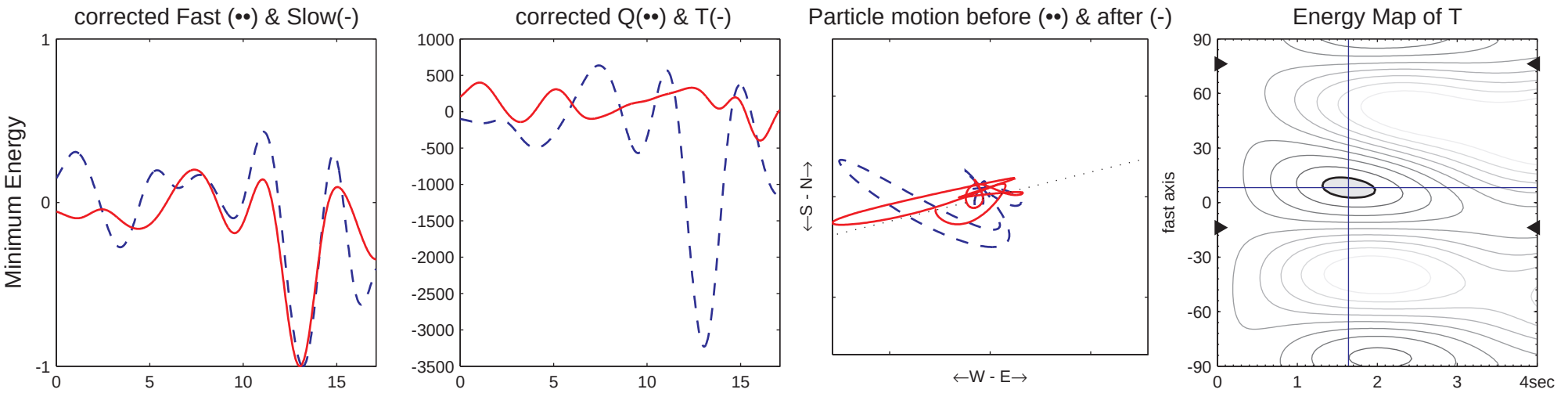
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **ANDN** Backazimuth: **76.3”** Distance: **112.42”**
init.Pol.: **258.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.7**

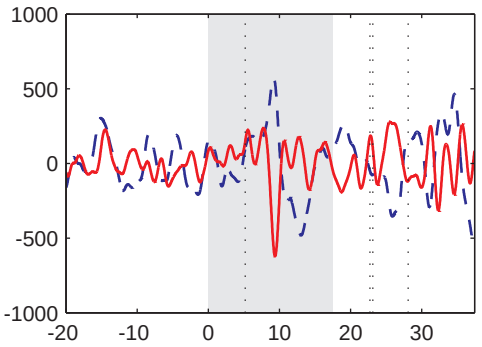
Rotation Correlation:	8<	13° <	22	1.2<1.5s<1.7
Minimum Energy:	3<	8° <	13	1.3<1.6s<2.0
Eigenvalue:	1<	8° <	17	1.3<1.6s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





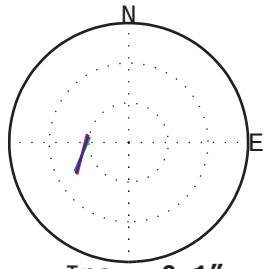


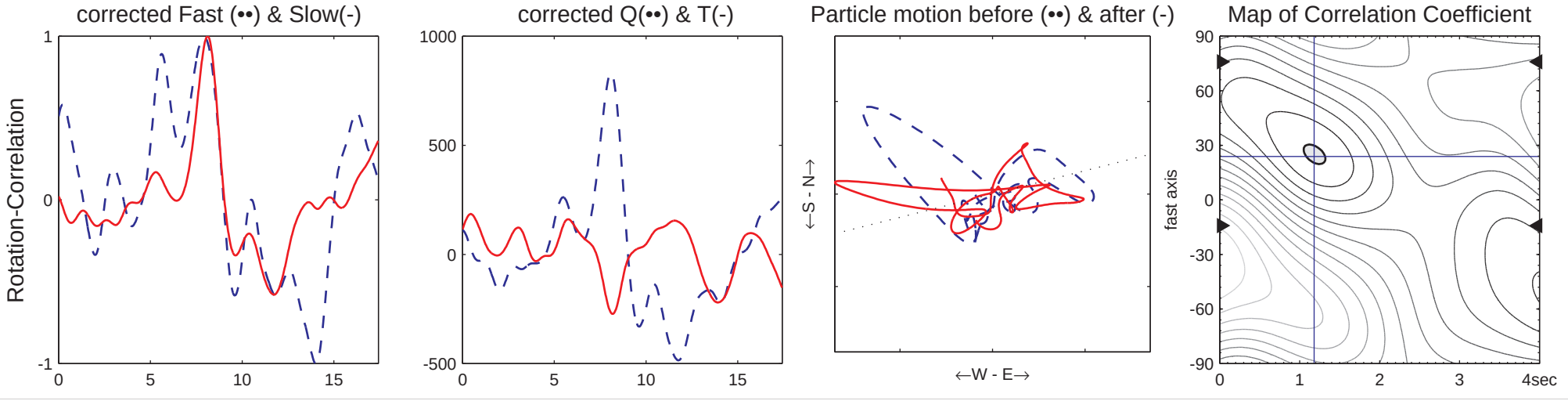


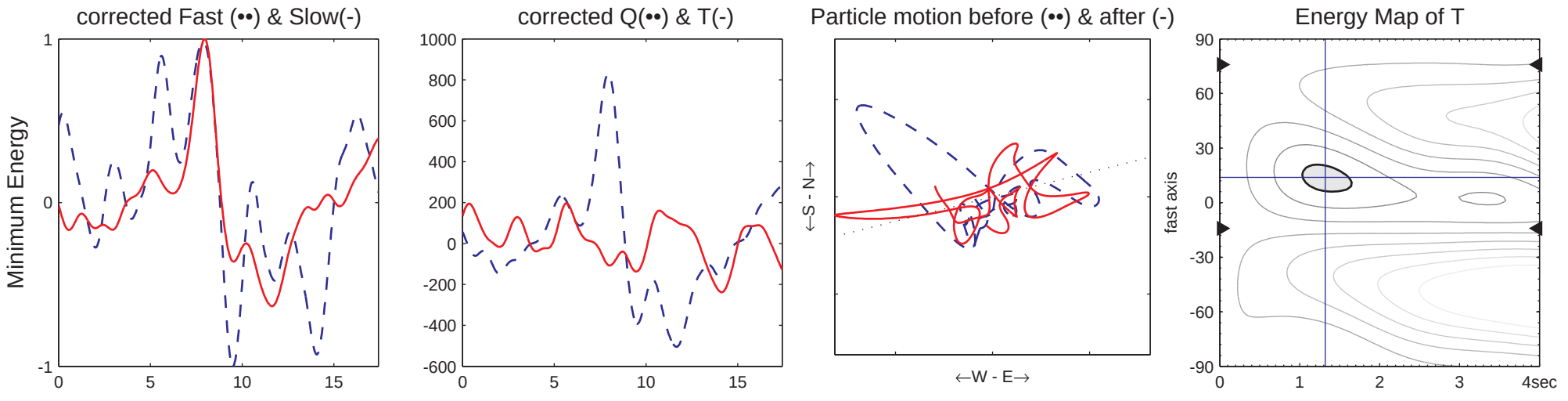
Event: **26-Mar-2010 (085) 14:52 -27.95N -70.82E 42km Mw=6.3**
Station: **ANDN** Backazimuth: **255.9”** Distance: **119.50”**
init.Pol.: **82.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

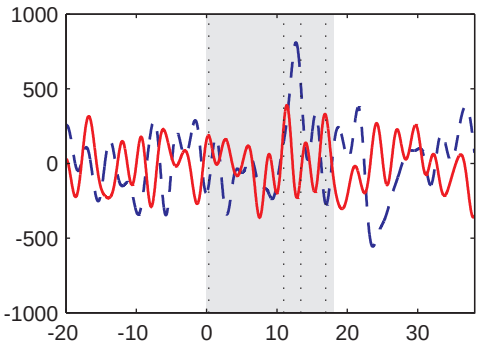
Rotation Correlation:	20<	24° <	31	1.0<1.2s<1.3
Minimum Energy:	5<	14° <	21	1.0<1.3s<1.6
Eigenvalue:	7<	18° <	27	1.0<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





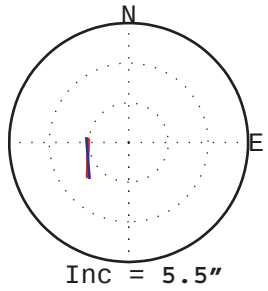


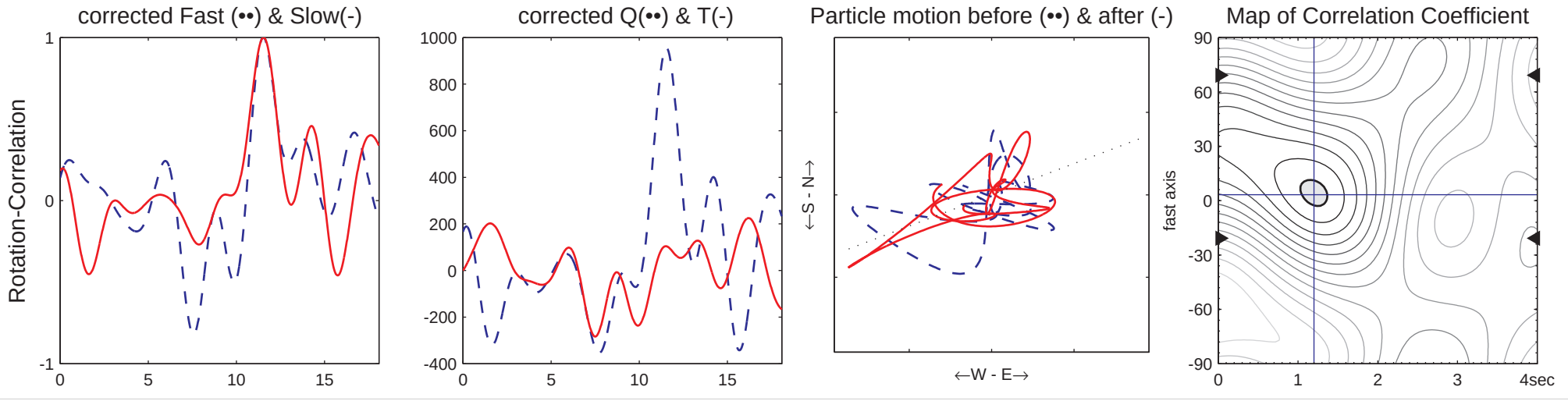


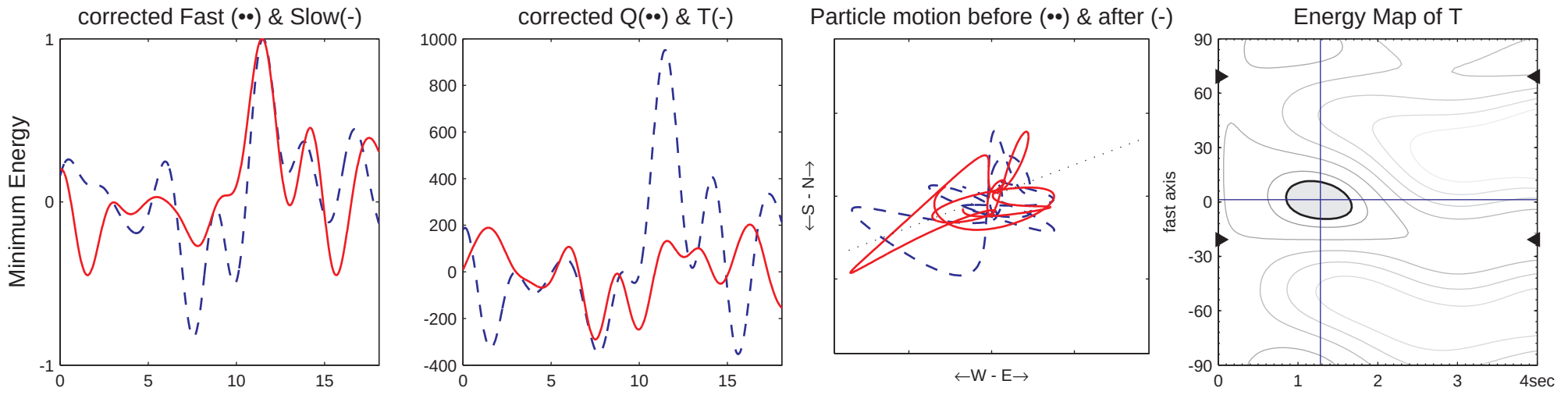
Event: **28-Mar-2010 (087) 21:38 -35.39N -73.39E 29km Mw=6.0**
Station: **ANDN** Backazimuth: **249.2”** Distance: **124.84”**
init.Pol.: **60.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.9**

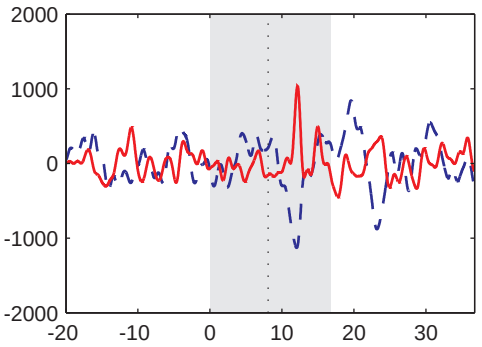
Rotation Correlation:	-3<	3° <	12	1.0<1.2s<1.4
Minimum Energy:	-9<	1° <	11	0.8<1.3s<1.7
Eigenvalue:	-19<	-5° <	7	0.9<1.3s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





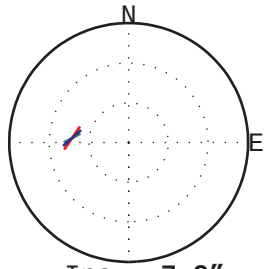


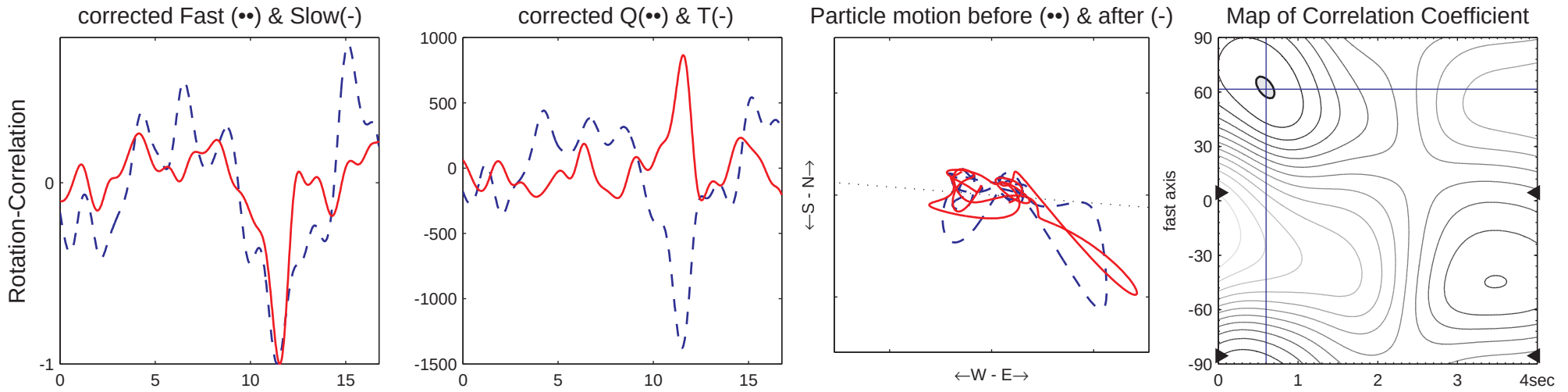


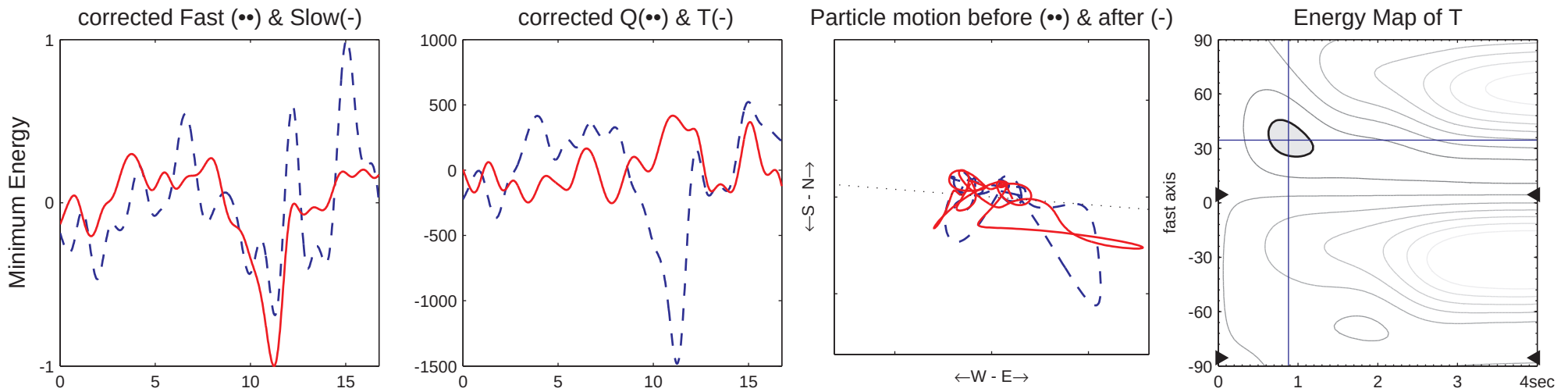
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **ANDN** Backazimuth: **274.5”** Distance: **109.09”**
init.Pol.: **112.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

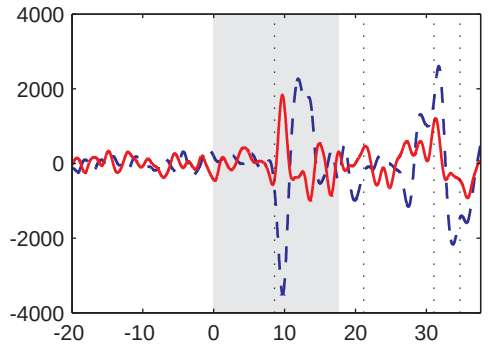
Rotation Correlation:	57<	61° <	69	0.5<0.6s<0.7
Minimum Energy:	25<	34° <	46	0.6<0.9s<1.2
Eigenvalue:	39<	48° <	62	0.5<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





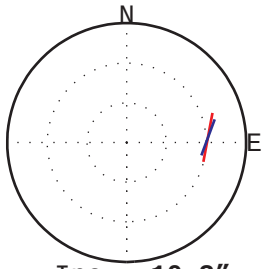




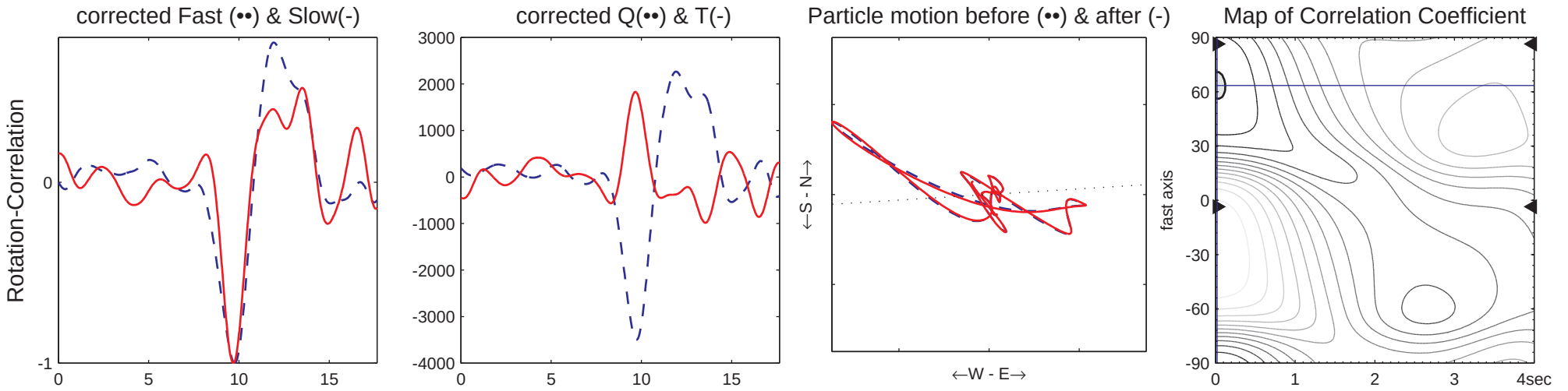
Event: **21-Jul-2010 (202) 09:16 3.04N 128.22E 100km Mw=6.1**
Station: **ANDN** Backazimuth: **86.4”** Distance: **89.63”**
init.Pol.: **282.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.0**

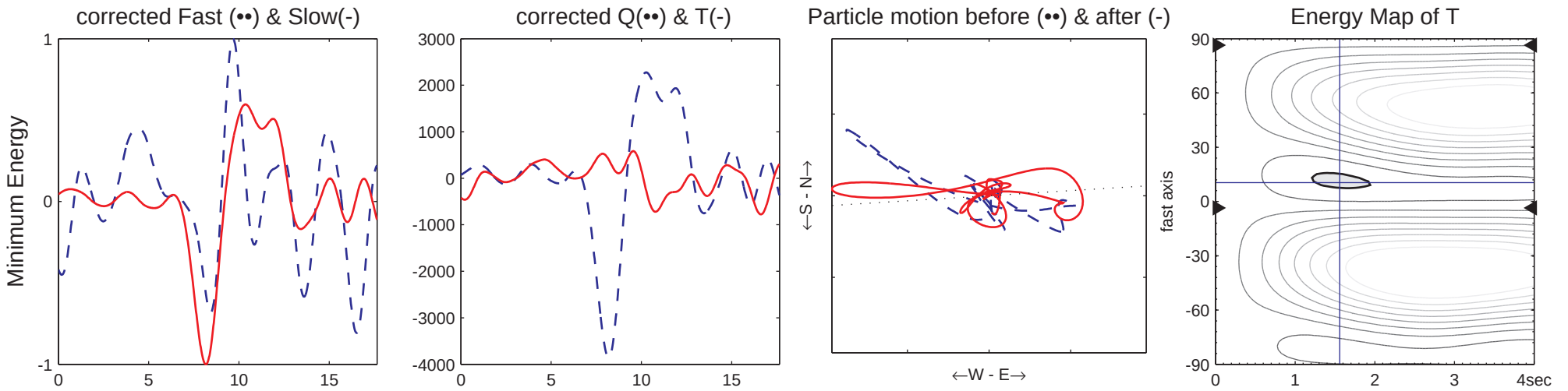
Rotation Correlation:	56<	63° <	71	0.0<0.0s<0.1
Minimum Energy:	7<	10° <	15	1.2<1.6s<2.0
Eigenvalue:	15<	20° <	25	0.8<1.2s<1.6

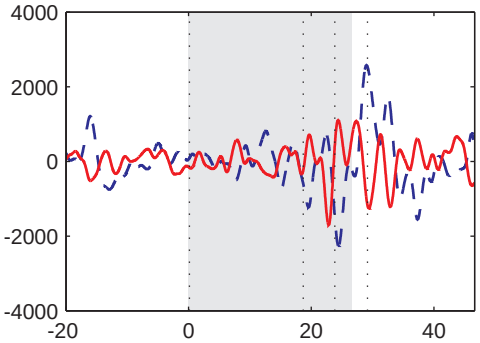
Quality: **fair** IsNull: **Yes** Phase: **SKS**



Inc = **10.3”**



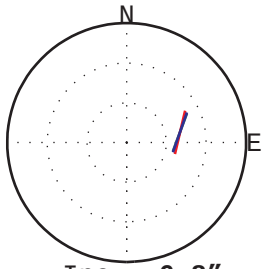


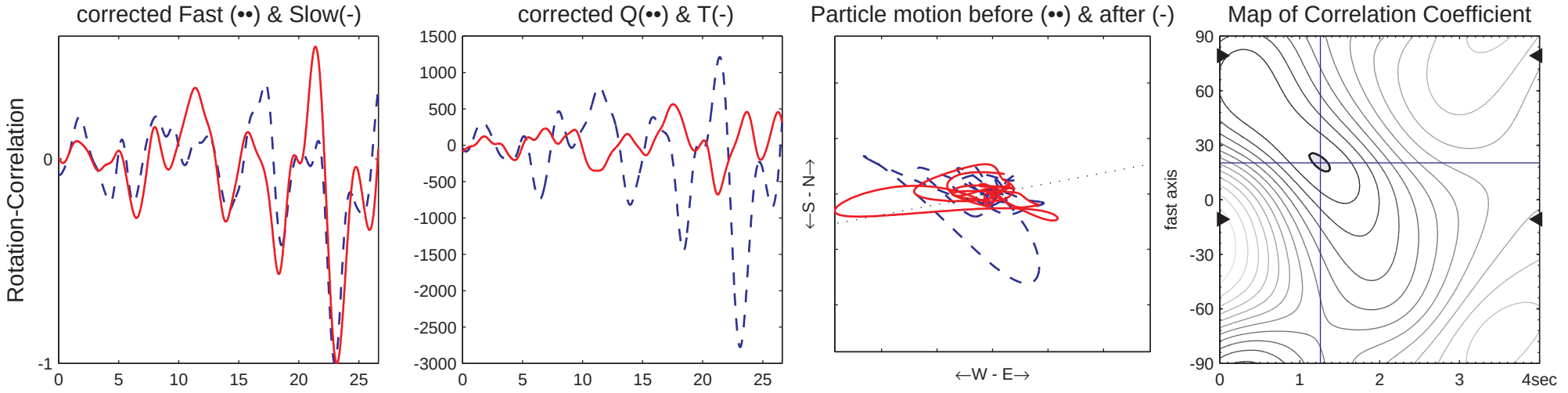


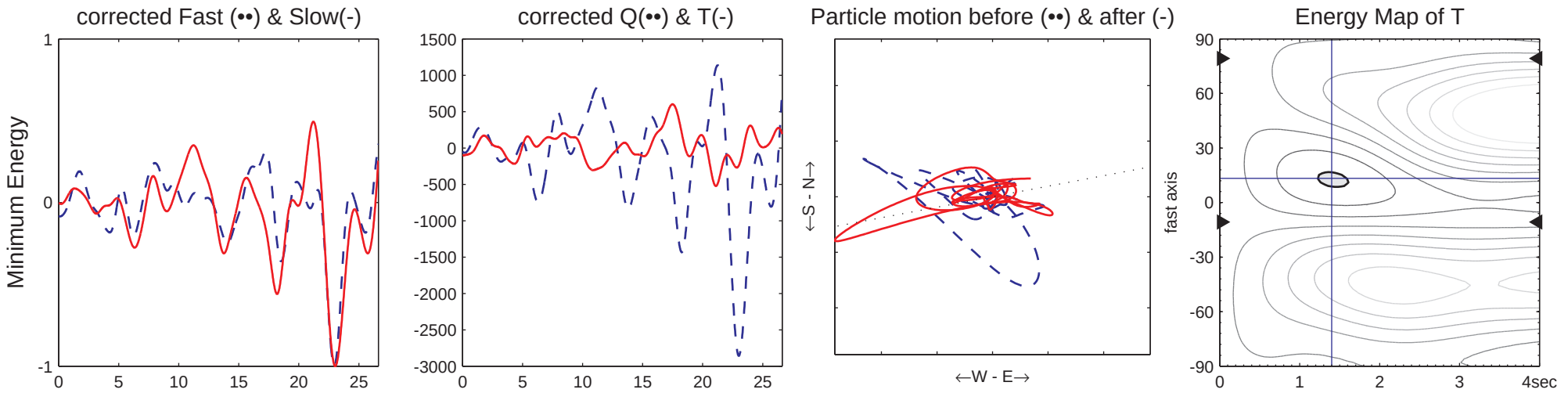
Event: **04-Aug-2010 (216) 22:01 -5.75N 150.76E 44km Mw=7.0**
Station: **ANDN** Backazimuth: **79.3”** Distance: **112.77”**
init.Pol.: **269.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.1**

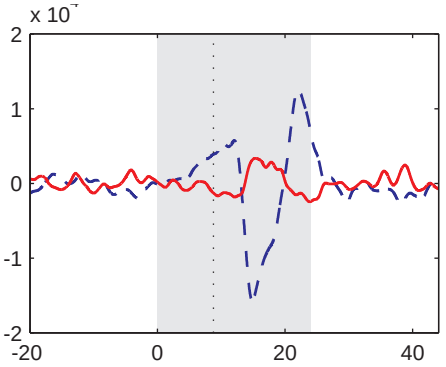
Rotation Correlation:	16<	20° <	26	1.1<1.3s<1.4
Minimum Energy:	9<	13° <	17	1.2<1.4s<1.6
Eigenvalue:	11<	19° <	25	1.1<1.3s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





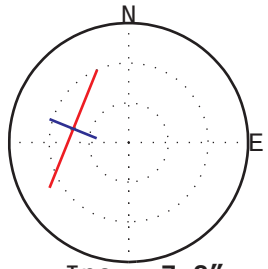


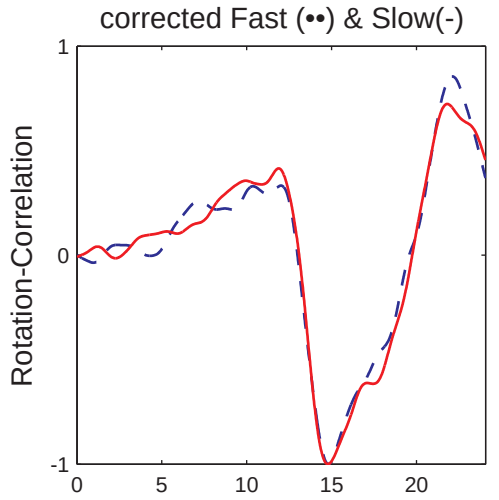


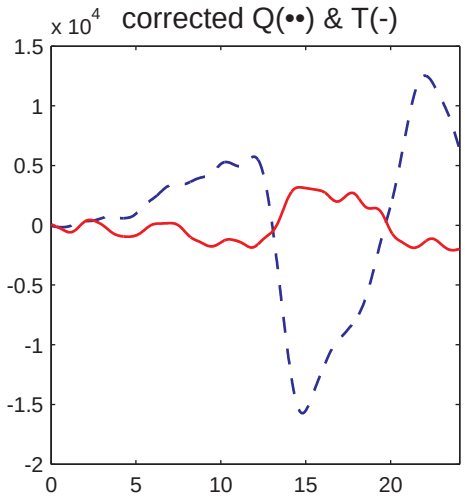
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **ANDN** Backazimuth: **283.9”** Distance: **109.35”**
init.Pol.: **117.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.7**

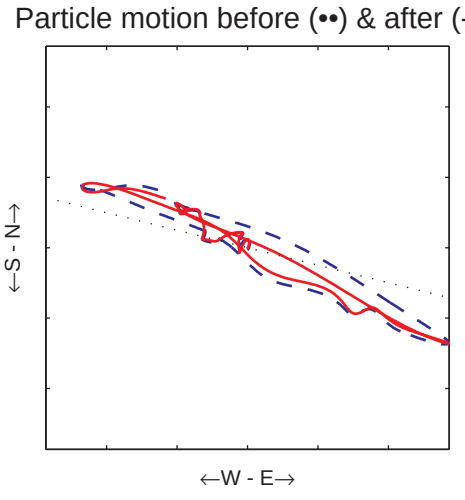
Rotation Correlation:	51<	70° < -91	0.0<0.2s<0.4
Minimum Energy:	17<	22° < 23	3.2<4.0s<4.0
Eigenvalue:	23<	-68° < -66	0.1<1.6s<4.0

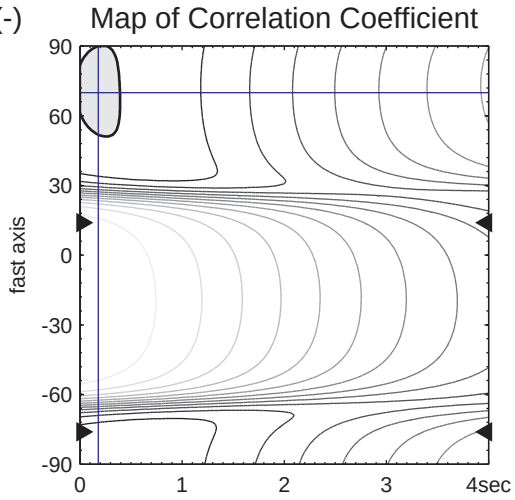
Quality: **good** IsNull: **Yes** Phase: **SKS**

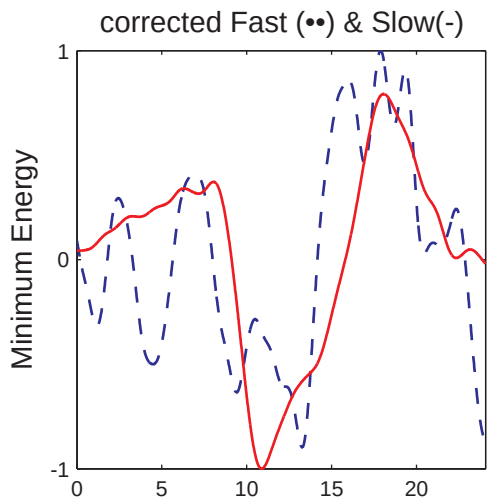


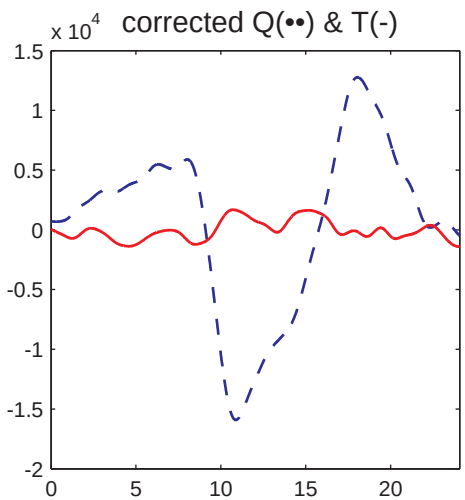


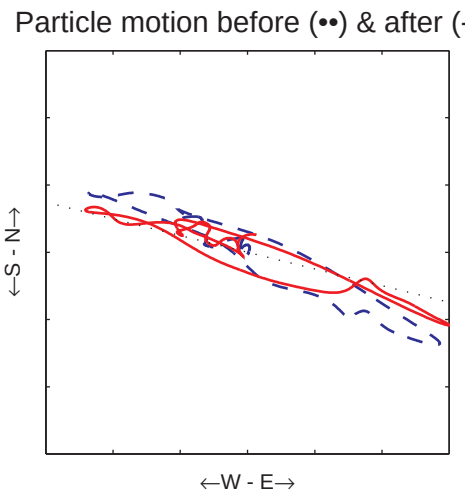


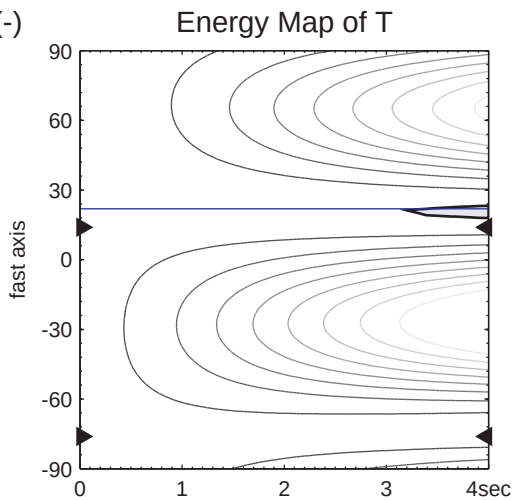


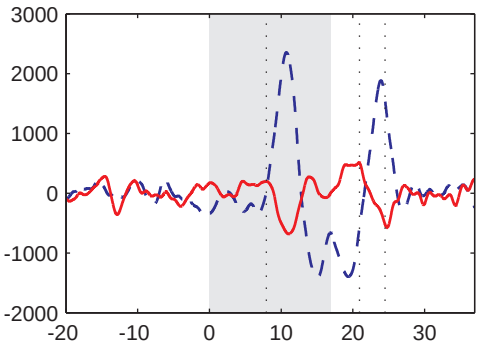








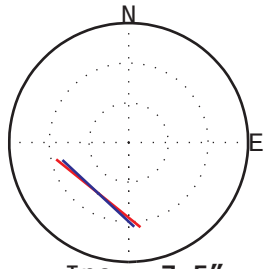




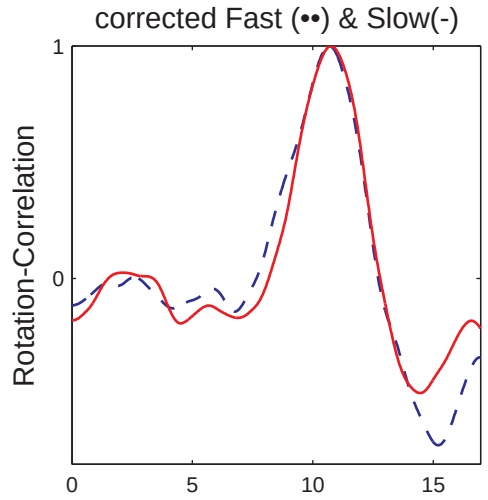
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **ANDN** Backazimuth: **210.9”** Distance: **107.63”**
init.Pol.: **36.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.4**

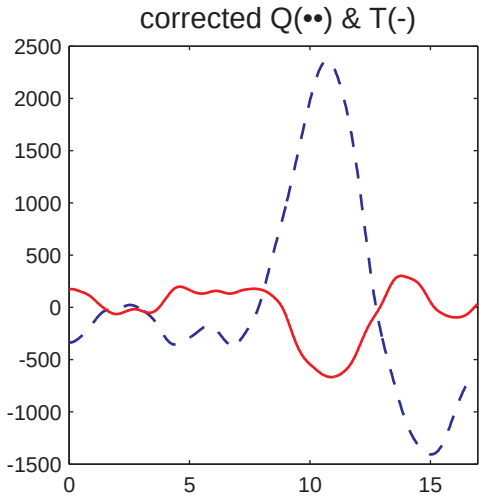
Rotation Correlation:	-17<	-1° <	14	0.0<0.1s<0.3
Minimum Energy:	-56<	-51° <	-50	2.6<3.4s<4.0
Eigenvalue:	-52<	-47° <	-46	2.3<3.1s<3.7

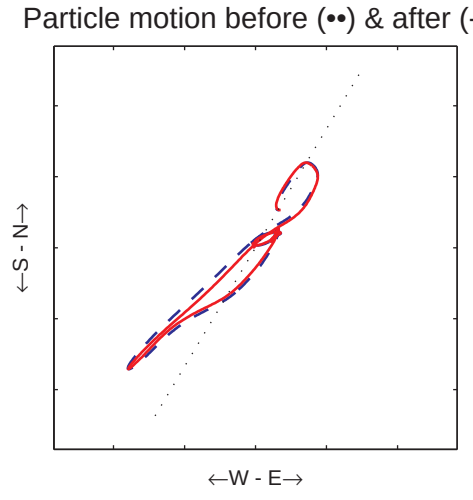
Quality: **good** IsNull: **Yes** Phase: **SKS**

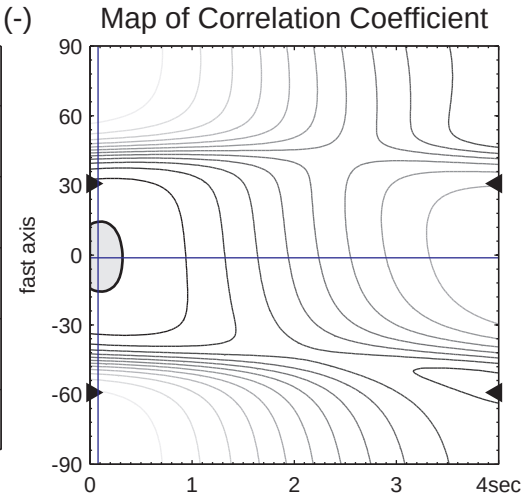


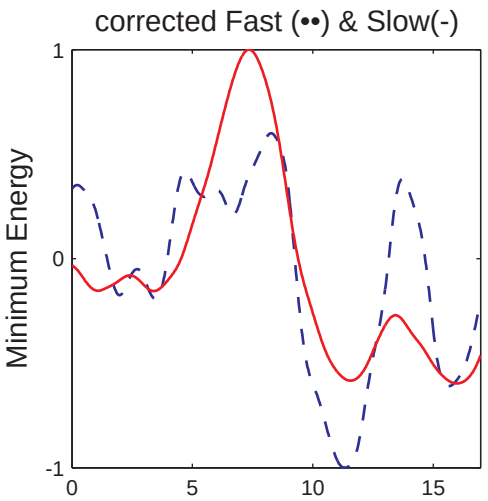
Inc = **7.5”**

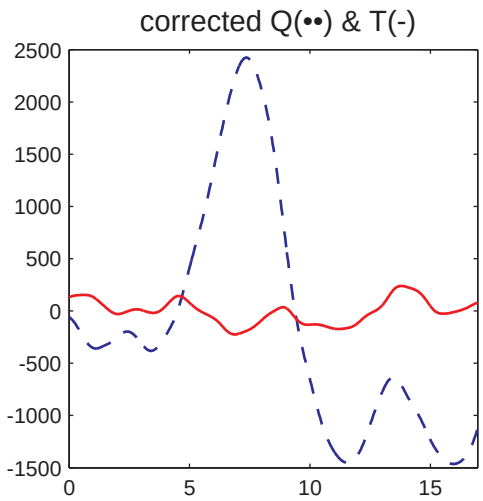


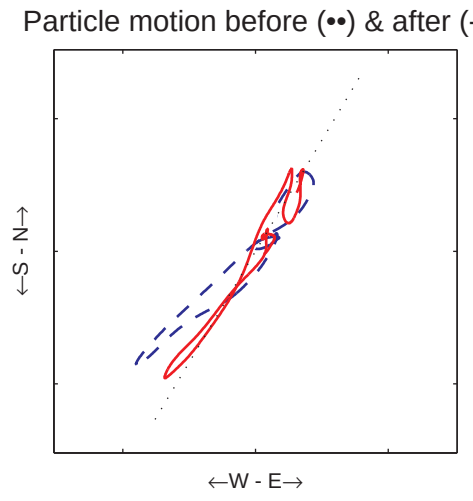


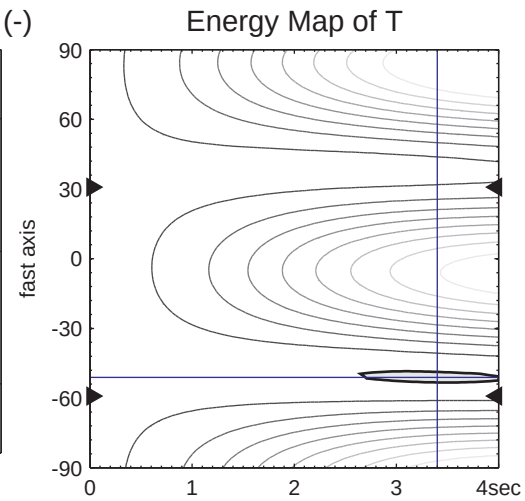


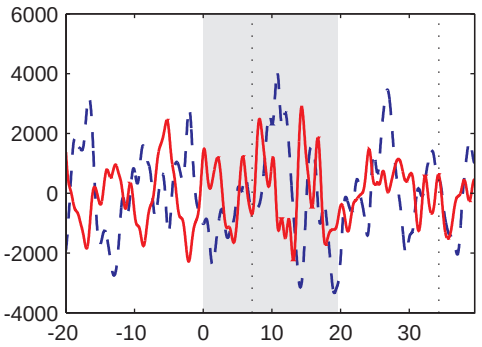








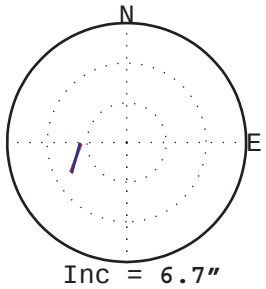


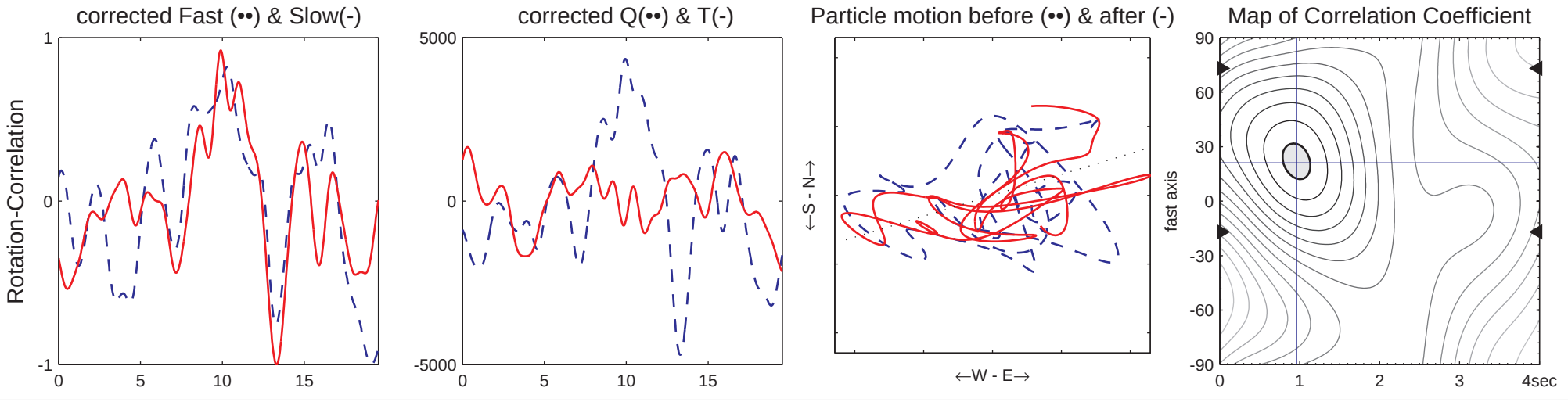


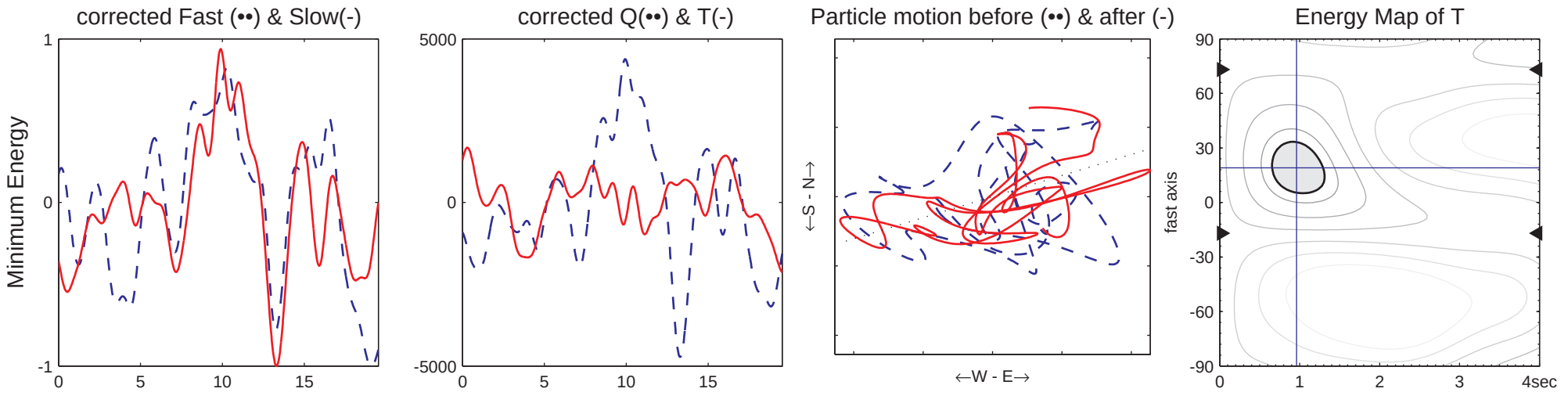
Event: **01-Jan-2011 (001) 09:56 -26.80N -63.14E 576km** Mw=7.0
Station: **ANDN** Backazimuth: **253.1”** Distance: **113.05”**
init.Pol.: **69.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.9**

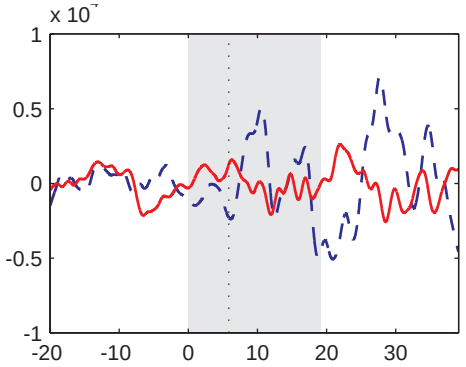
Rotation Correlation:	12<	21° <	32	0.8<1.0s<1.1
Minimum Energy:	5<	19° <	33	0.6<1.0s<1.3
Eigenvalue:	-3<	15° <	35	0.7<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





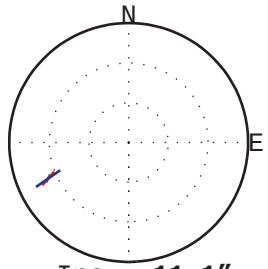




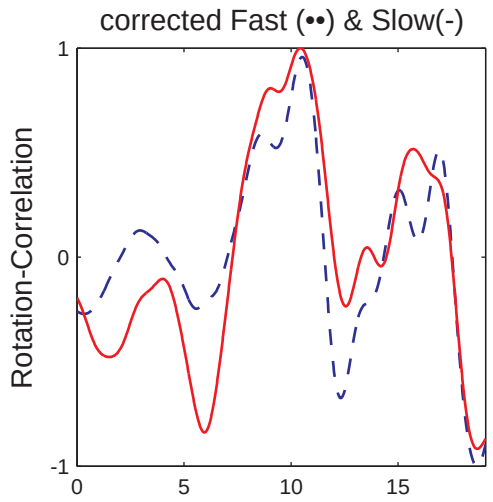
Event: **02-Jan-2011 (002) 20:20 -38.35N -73.33E 24km Mw=7.2**
Station: **ANDN** Backazimuth: **245.9”** Distance: **125.99”**
init.Pol.: **75.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

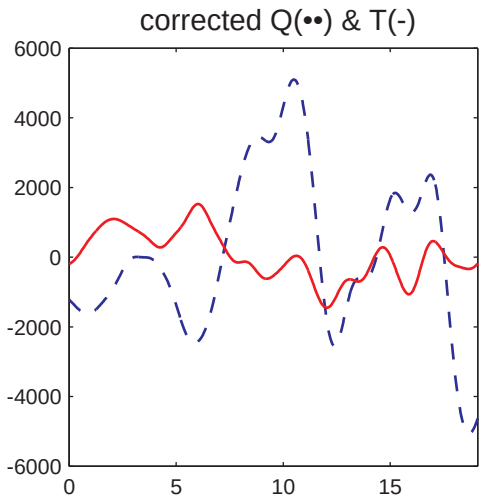
Rotation Correlation:	16<	26° <	39	0.1<0.3s<0.5
Minimum Energy:	-7<	42° <	60	0.2<0.6s<1.4
Eigenvalue:	31<	56° <	74	0.4<0.9s<2.9

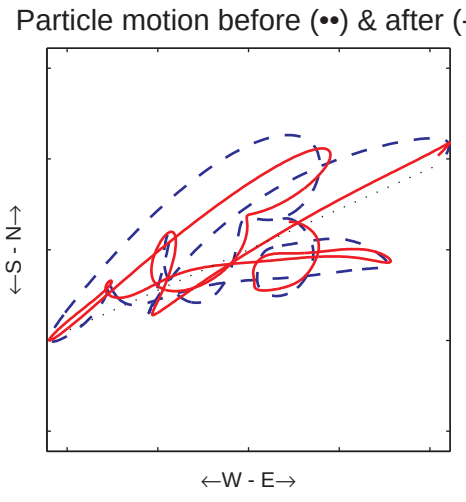
Quality: **fair** IsNull: **No** Phase: **SKKS**

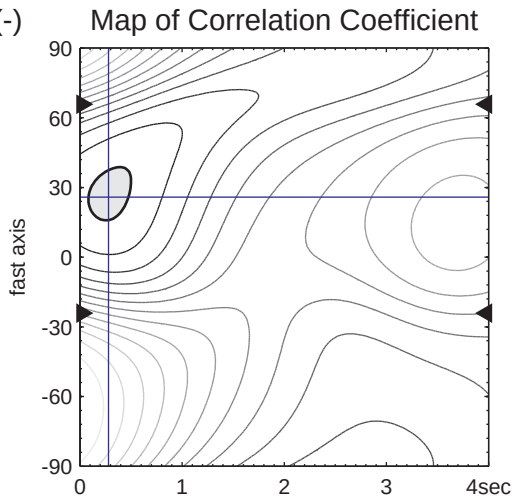


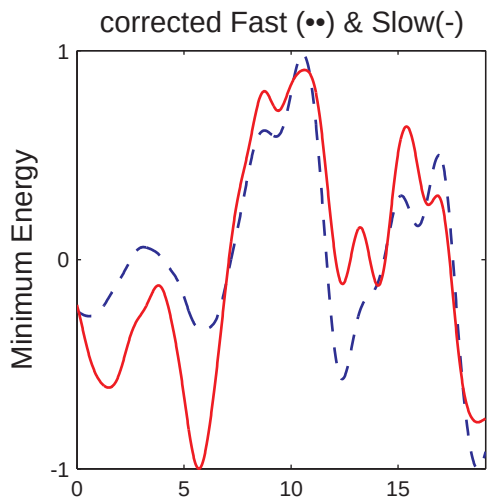
Inc = **11.1”**

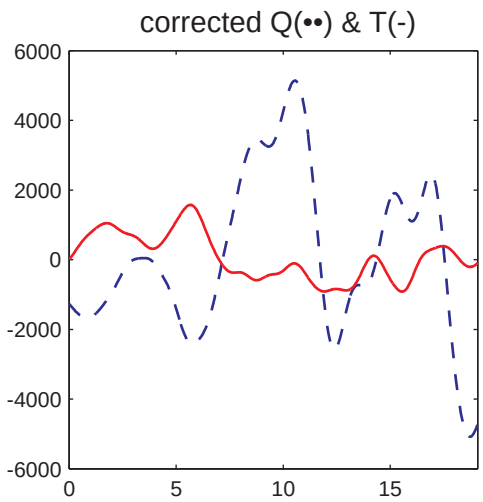


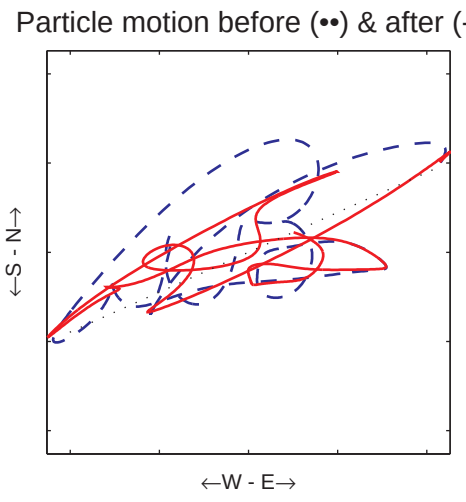


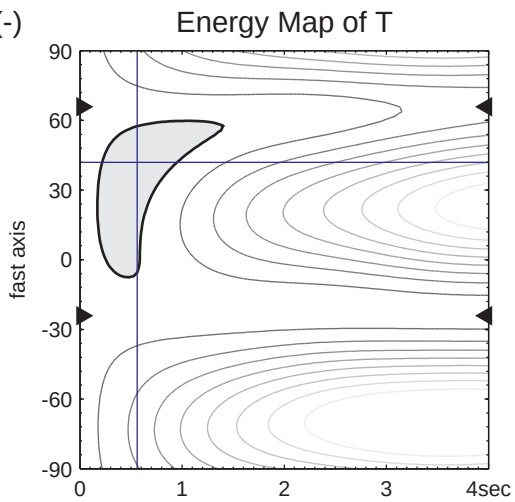


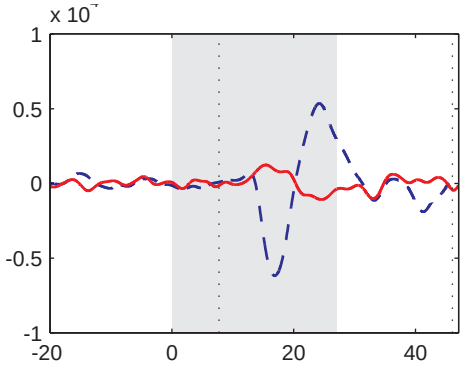








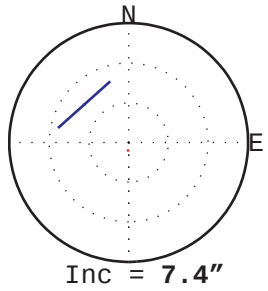


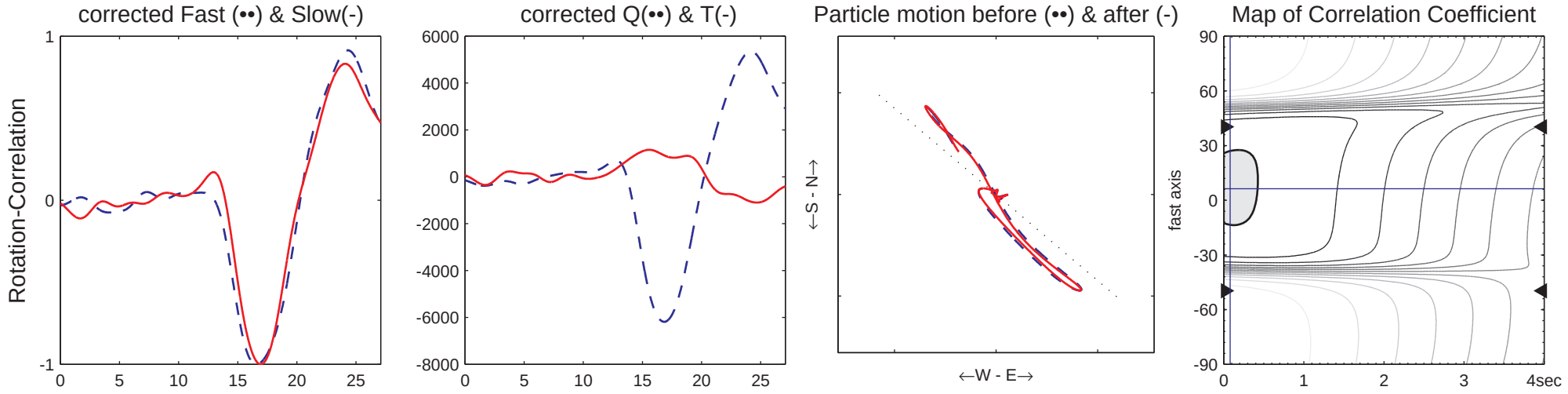


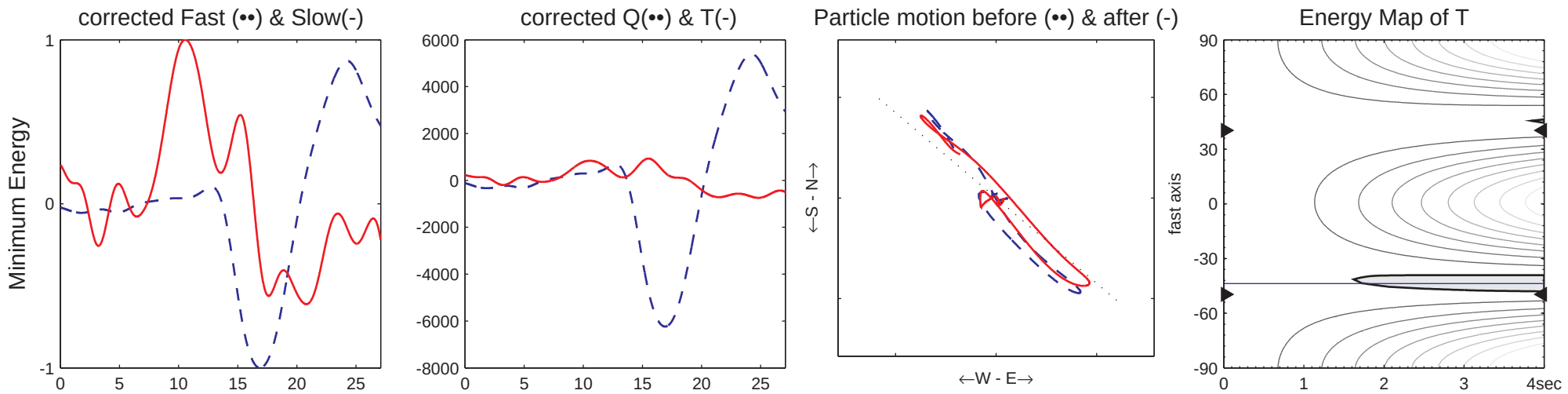
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **ANDN** Backazimuth: **310.3”** Distance: **108.24”**
init.Pol.: **142.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

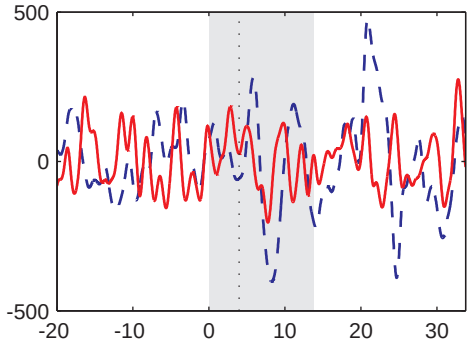
Rotation Correlation:	-14<	6° <	28	0.0<0.1s<0.4
Minimum Energy:	-50<	-44° <	-41	1.6<4.0s<4.0
Eigenvalue:	-21<	48° <	54	0.1<2.2s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





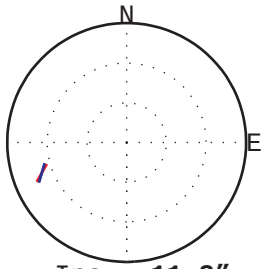




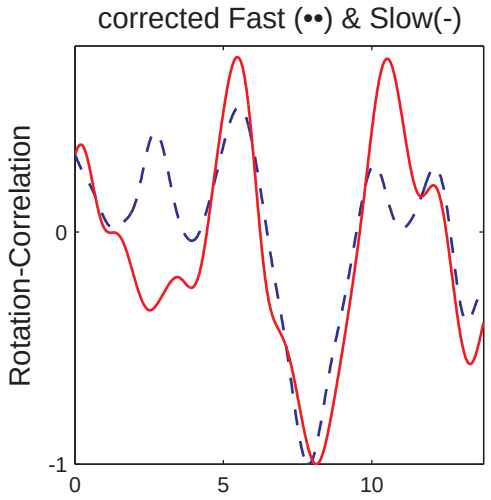
Event: **16-Jul-2011 (197) 00:26 -33.82N -71.83E 20km Mw=6.0**
Station: **ANDN** Backazimuth: **250.3”** Distance: **123.01”**
init.Pol.: **62.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

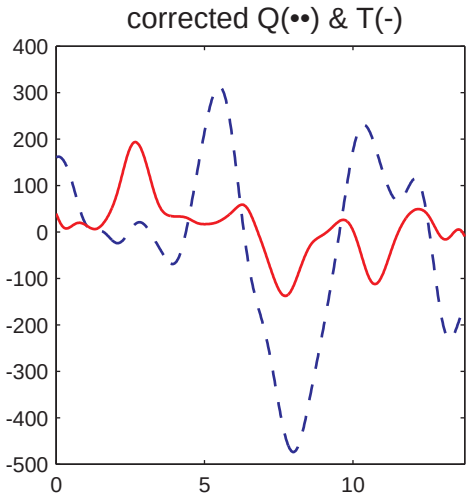
Rotation Correlation:	7<	17° <	28	0.4<0.6s<0.7
Minimum Energy:	7<	30° <	54	0.4<0.6s<1.0
Eigenvalue:	-13<	16° <	46	0.4<0.6s<1.0

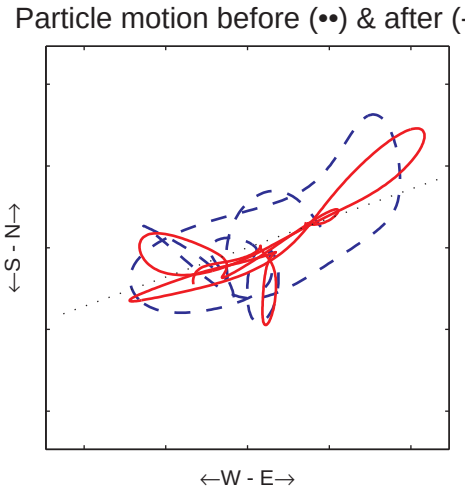
Quality: **fair** IsNull: **No** Phase: **SKKS**

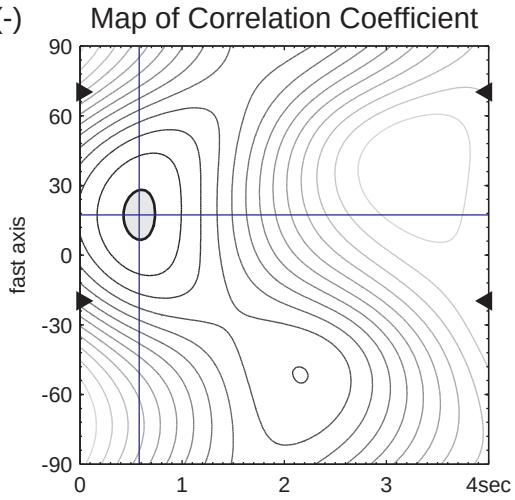


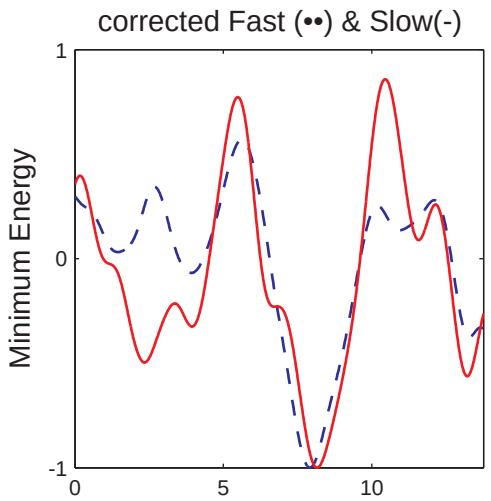
Inc = **11.3”**

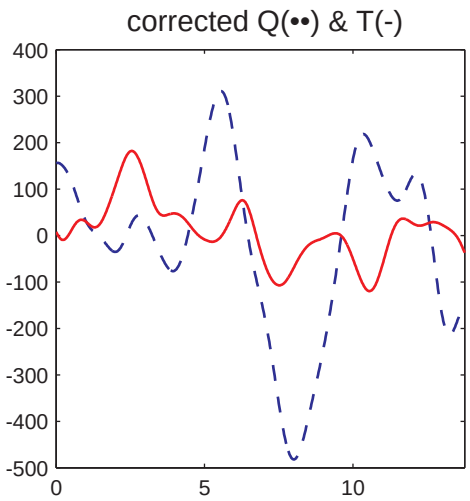


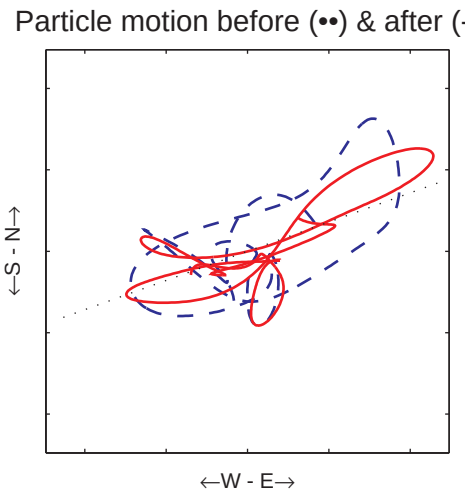


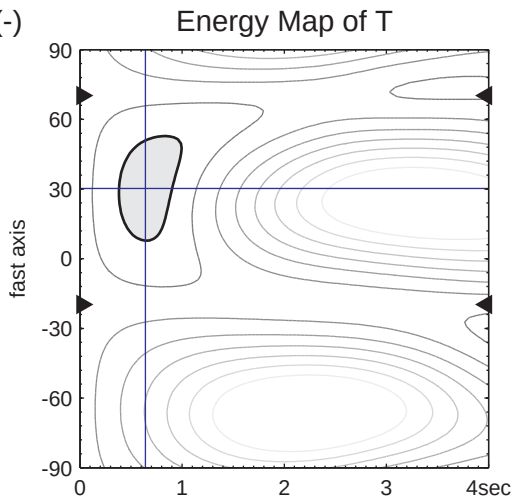


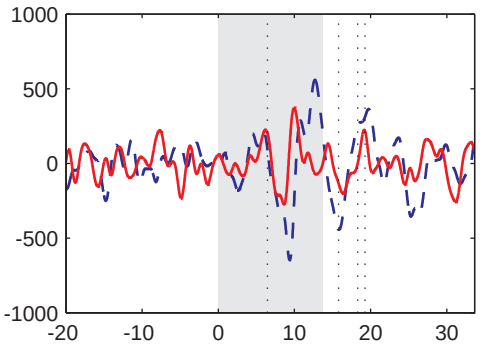








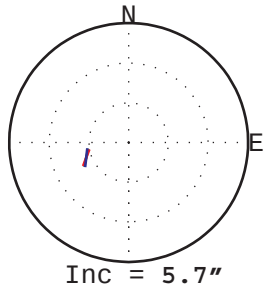


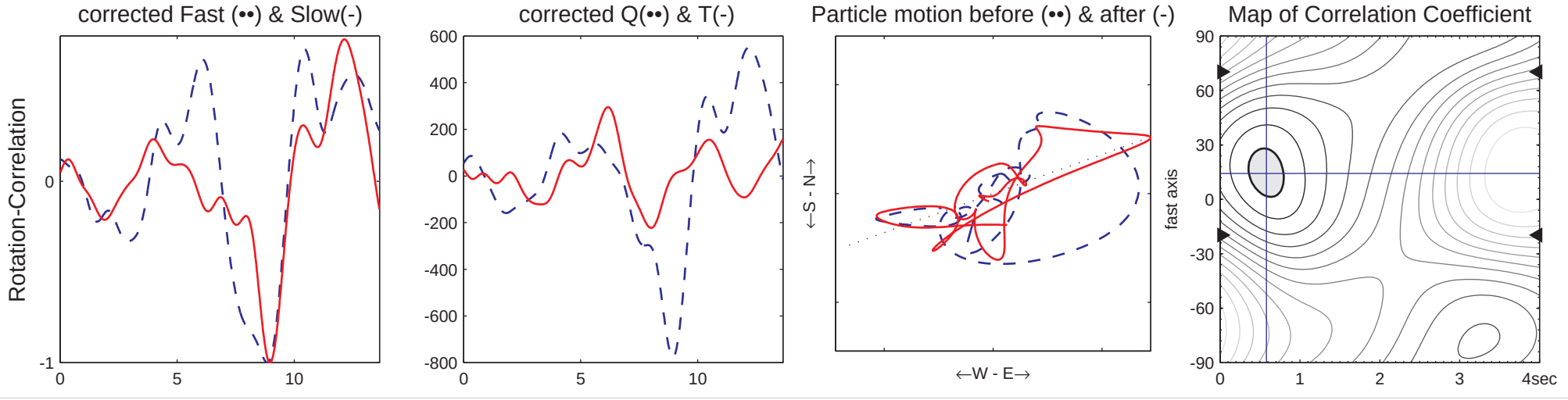


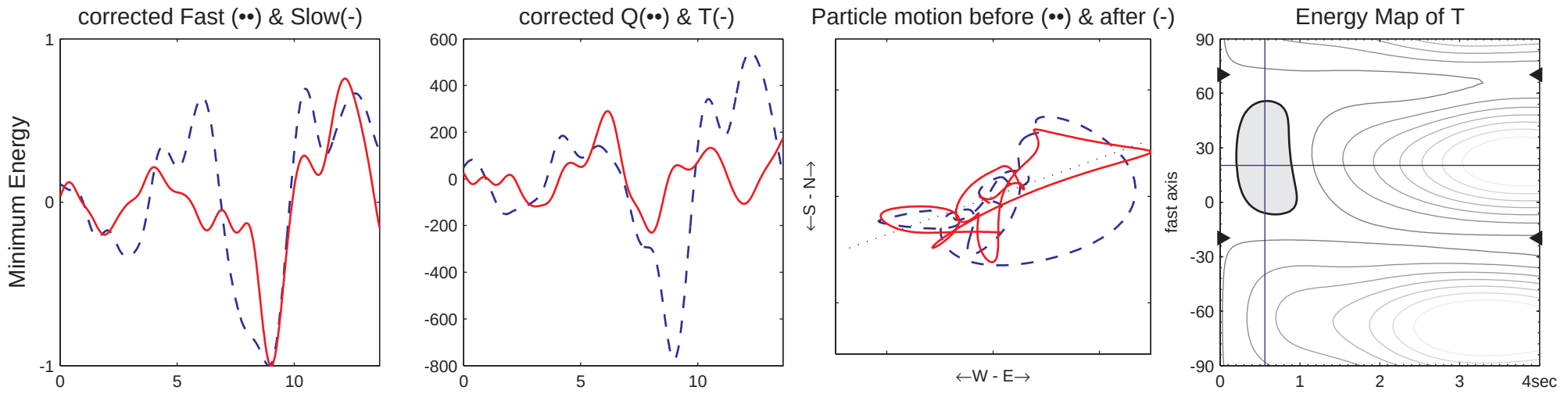
Event: **16-Jul-2011 (197) 00:26 -33.82N -71.83E 20km Mw=6.0**
Station: **ANDN** Backazimuth: **250.3”** Distance: **123.01”**
init.Pol.: **60.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

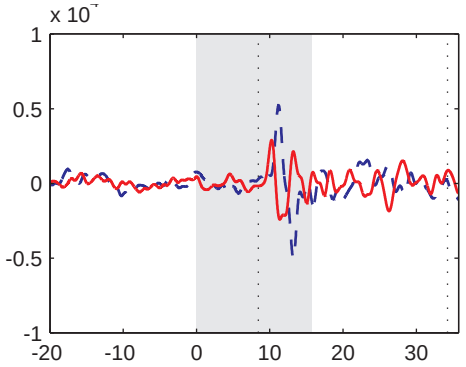
Rotation Correlation:	2<	14° <	28	0.4<0.6s<0.8
Minimum Energy:	-7<	20° <	56	0.2<0.6s<1.0
Eigenvalue:	-21<	6° <	46	0.2<0.6s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





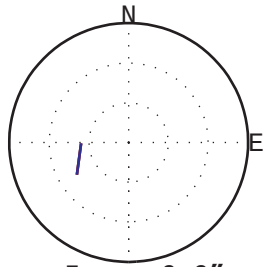


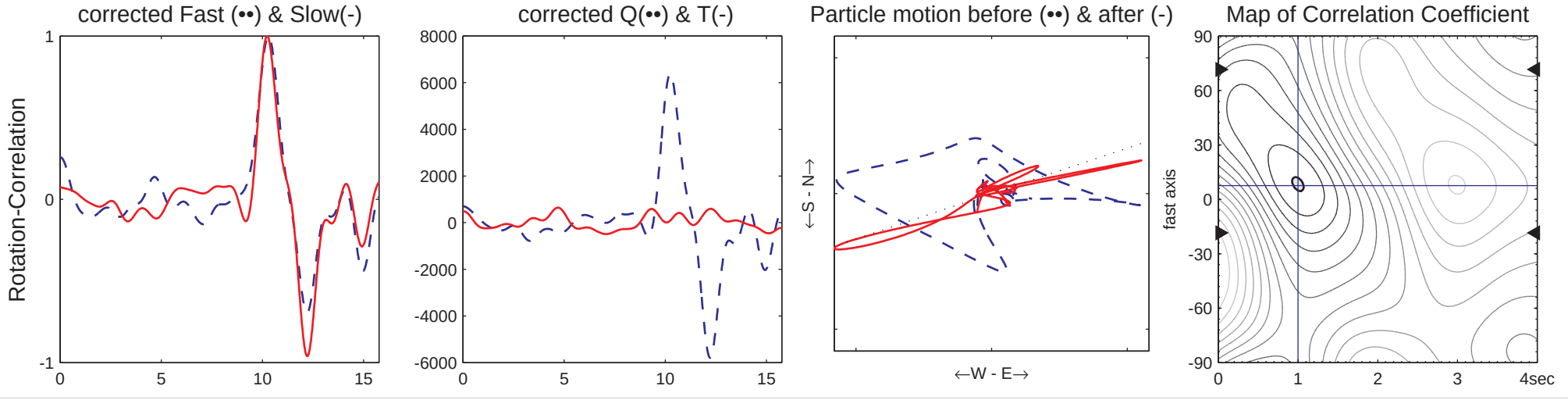


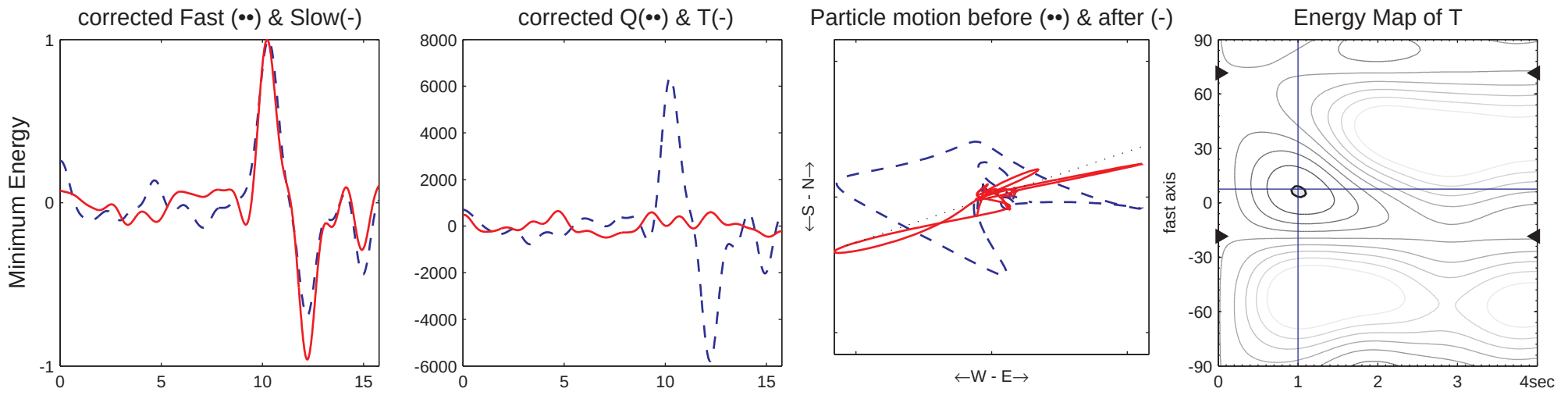
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **ANDN** Backazimuth: **251.6”** Distance: **113.80”**
init.Pol.: **72.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.7**

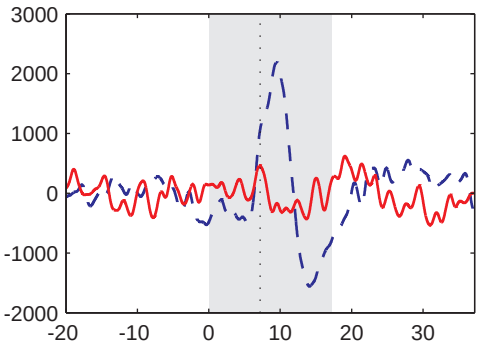
Rotation Correlation:	5<	8° < 13	0.9<1.0s<1.1
Minimum Energy:	3<	8° < 9	0.9<1.0s<1.1
Eigenvalue:	1<	8° < 11	0.9<1.0s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





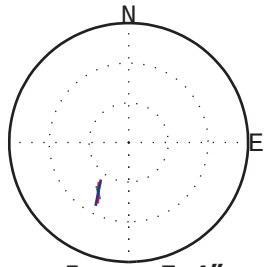




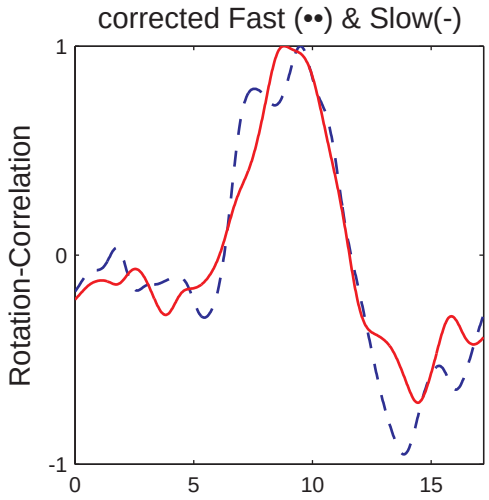
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **ANDN** Backazimuth: **211.3”** Distance: **108.10”**
init.Pol.: **33.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.6**

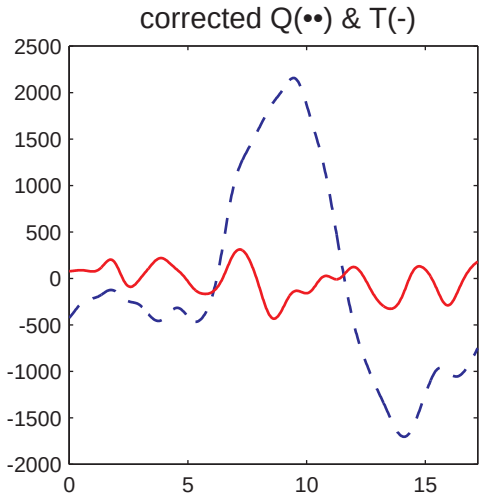
Rotation Correlation:	-24<	-13° <	-5	0.2<0.4s<0.6
Minimum Energy:	-43<	3° <	21	0.3<0.7s<1.3
Eigenvalue:	-35<	11° <	25	0.4<0.8s<1.5

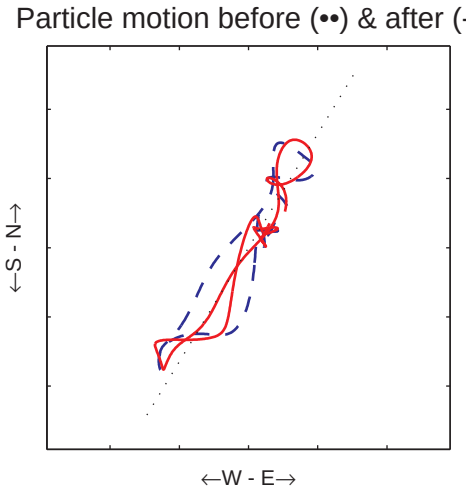
Quality: **fair** IsNull: **No** Phase: **SKS**

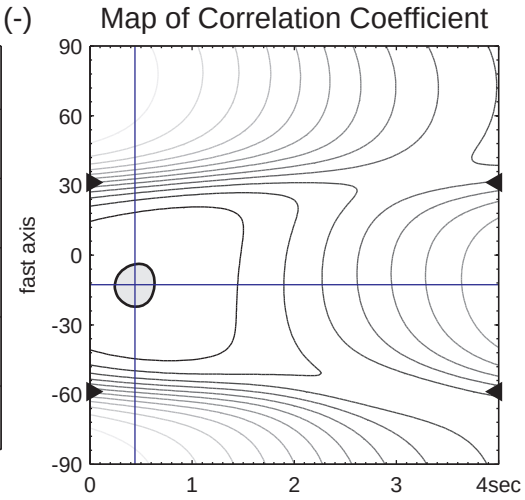


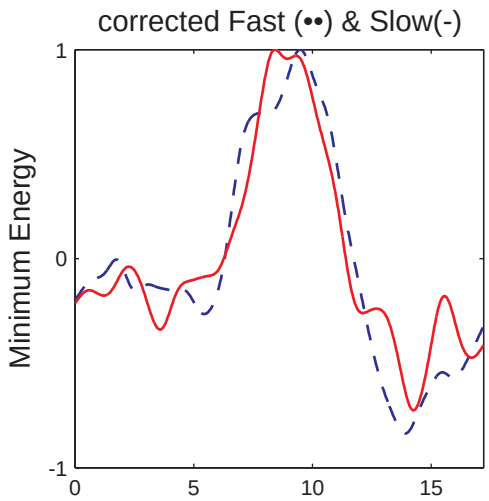
Inc = **7.4”**

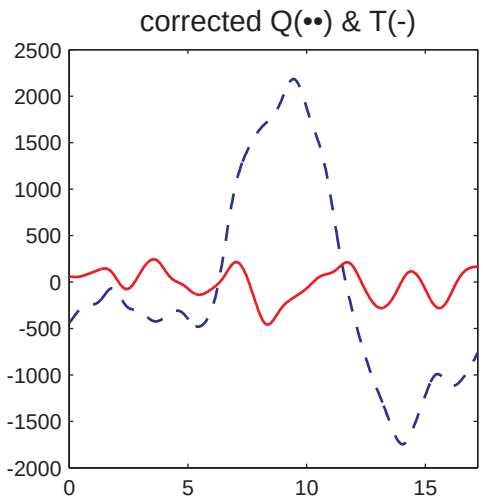


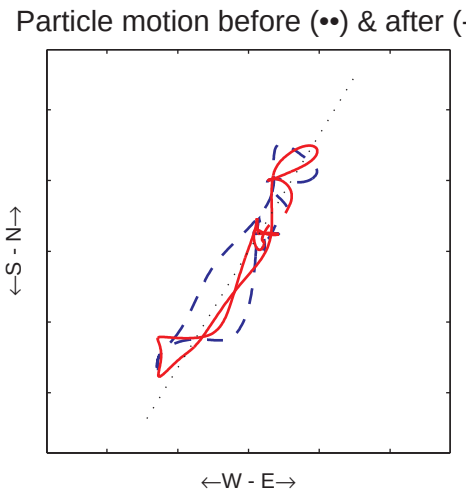


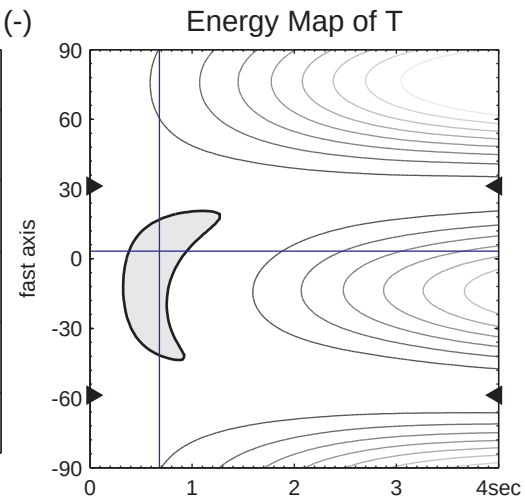


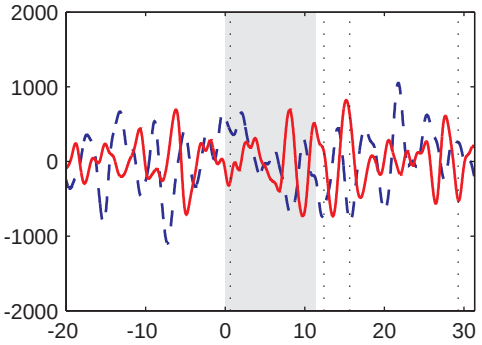








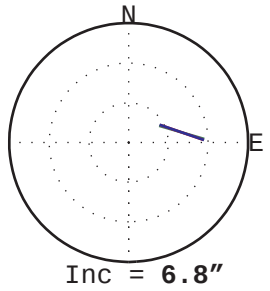


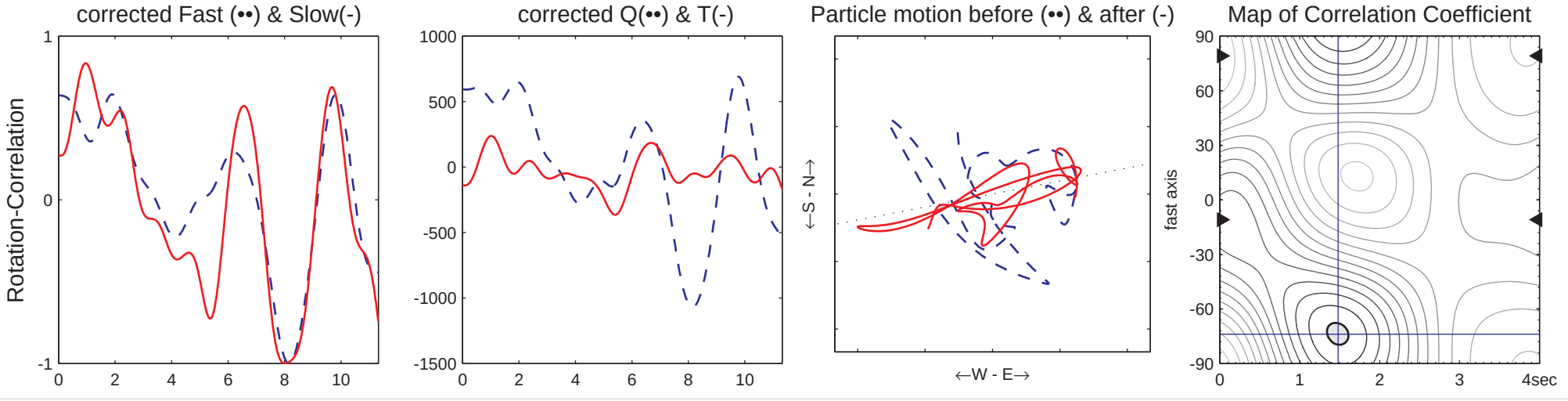


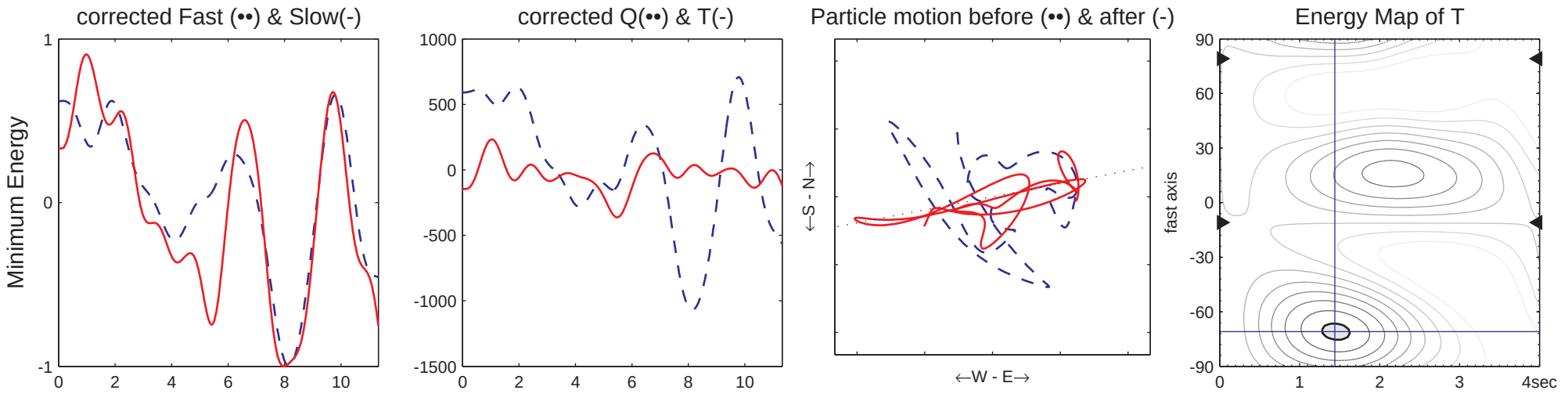
Event: **18-Oct-2011 (291) 05:05 -5.79N 151.04E 26km Mw=6.1**
Station: **ANDN** Backazimuth: **79.1”** Distance: **113.01”**
init.Pol.: **256.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.7**

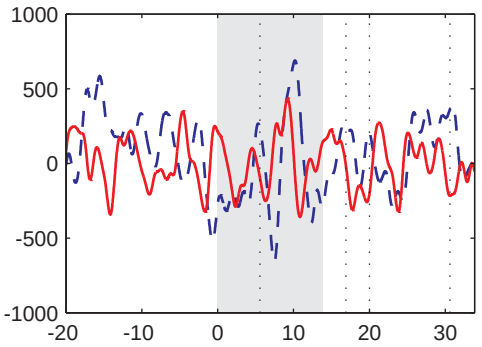
Rotation Correlation:	-81< **-74°** < -69	1.4<**1.5s**<1.6
Minimum Energy:	-78< **-71°** < -68	1.3<**1.4s**<1.6
Eigenvalue:	-82< **-71°** < -66	1.3<**1.5s**<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





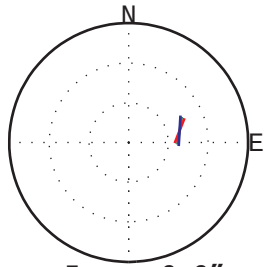




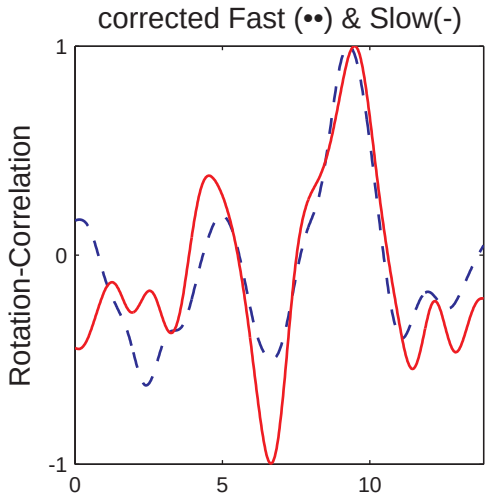
Event: **28-Nov-2011 (332) 12:26 -5.48N 153.73E 25km Mw=6.1**
Station: **ANDN** Backazimuth: **77.0”** Distance: **114.91”**
init.Pol.: **241.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

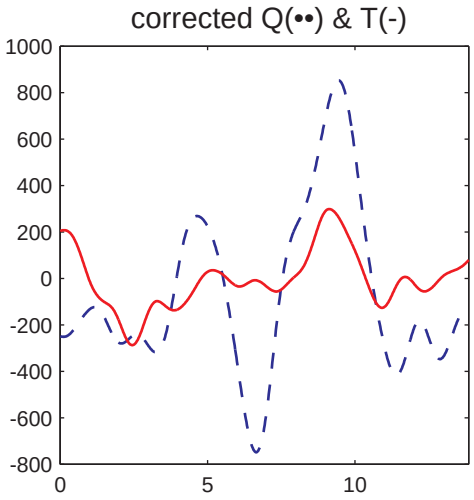
Rotation Correlation:	-2<	9° <	22	0.7<0.9s<1.1
Minimum Energy:	7<	21° <	41	0.6<0.8s<1.1
Eigenvalue:	-13<	3° <	21	0.7<1.0s<1.2

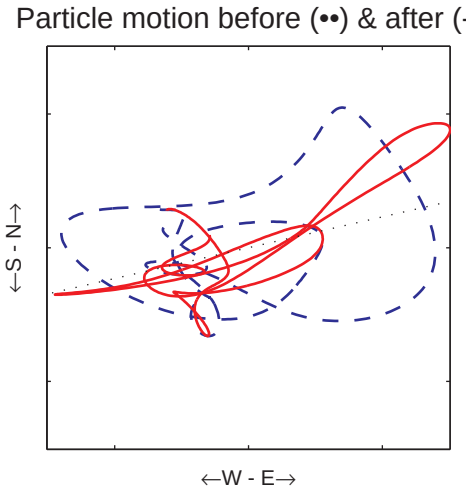
Quality: **fair** IsNull: **No** Phase: **SKS**

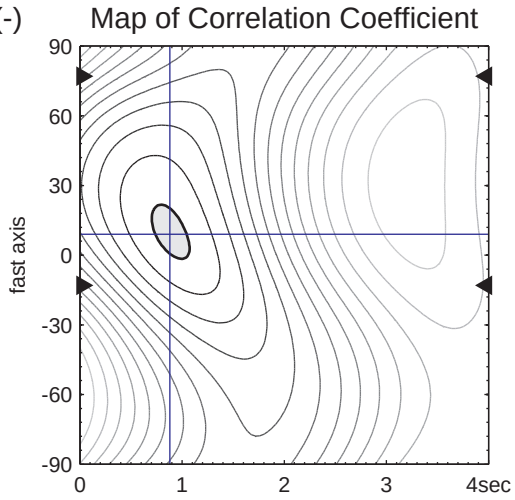


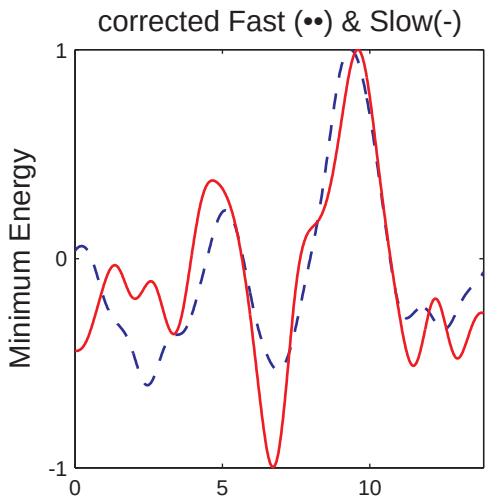
Inc = **6.6”**

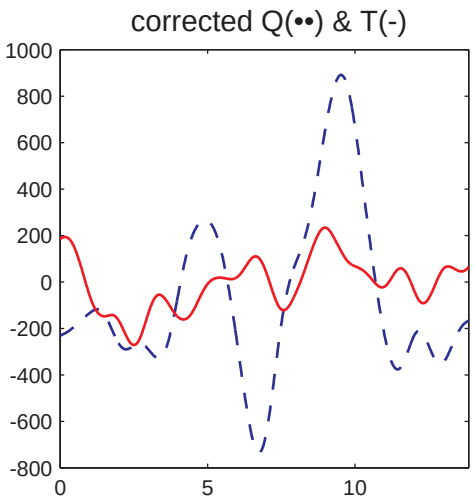


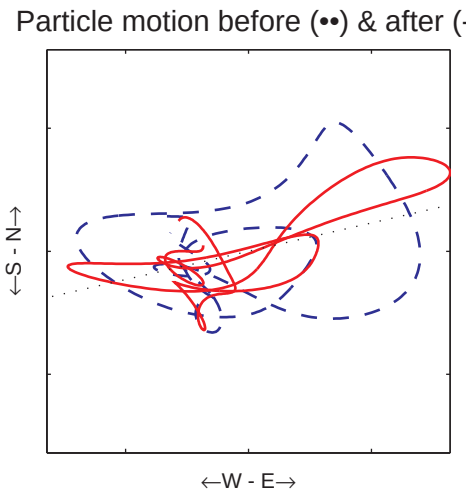


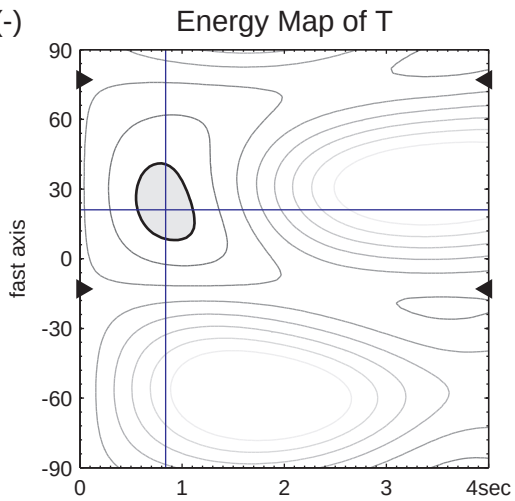


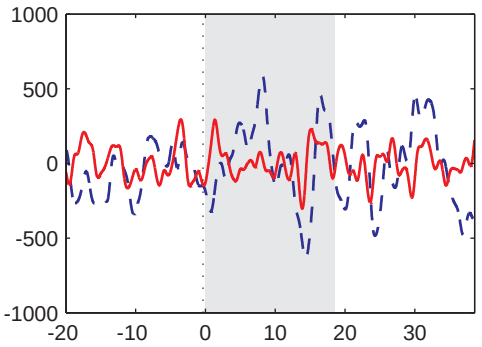








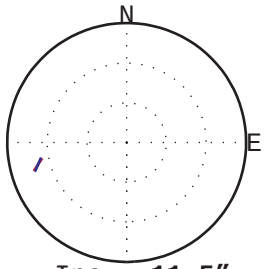




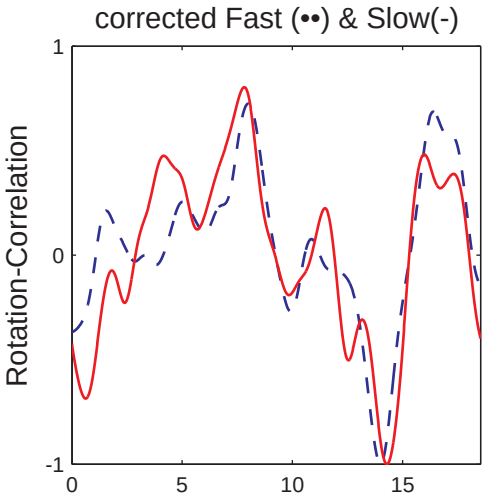
Event: **07-Dec-2011 (341) 22:23 -27.90N -70.92E 20km Mw=6.1**
Station: **ANDN** Backazimuth: **256.0”** Distance: **119.55”**
init.Pol.: **72.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

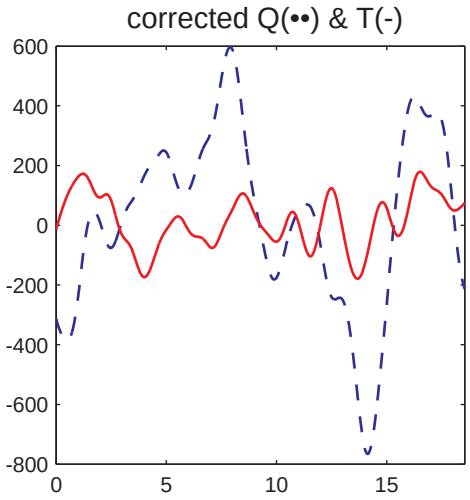
Rotation Correlation:	22<	28° <	36	0.4<0.5s<0.6
Minimum Energy:	7<	34° <	58	0.3<0.5s<0.8
Eigenvalue:	-3<	24° <	56	0.3<0.5s<0.8

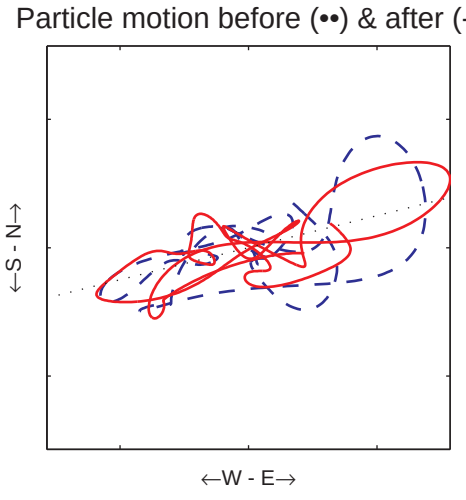
Quality: **good** IsNull: **No** Phase: **SKKS**

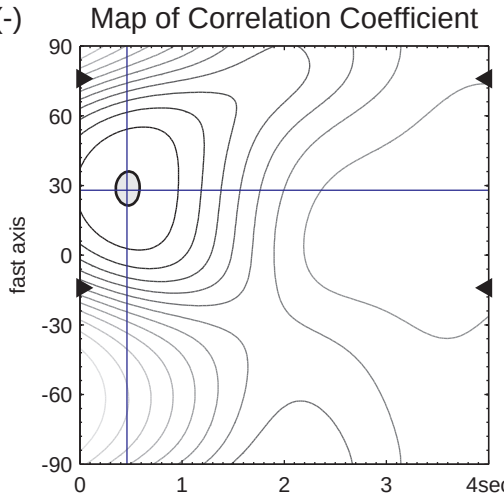


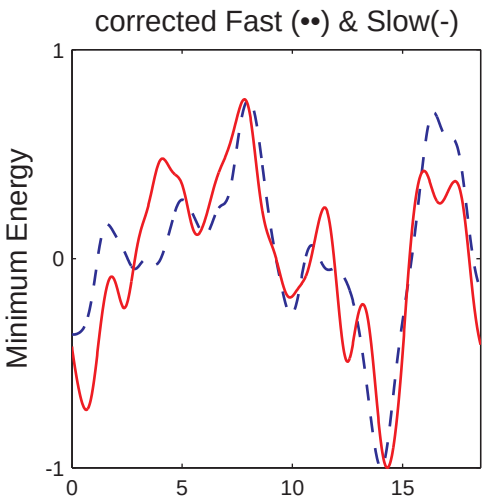
Inc = **11.5”**

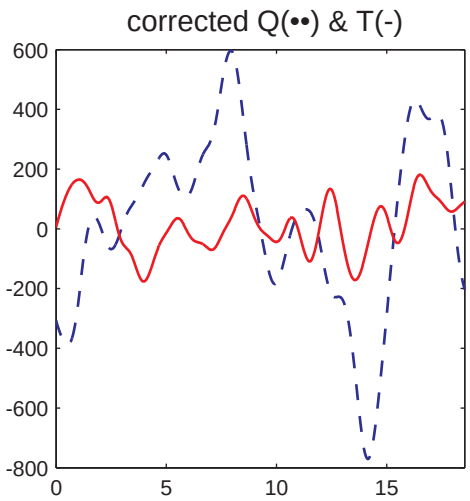


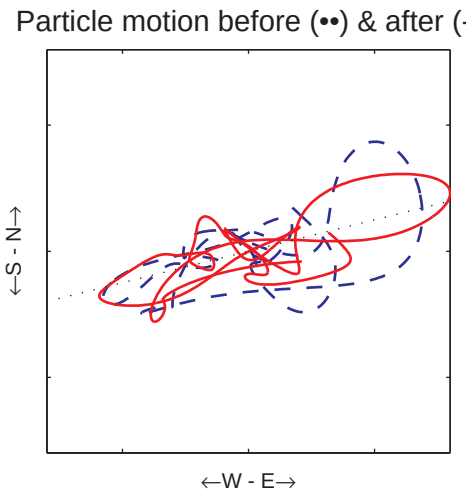


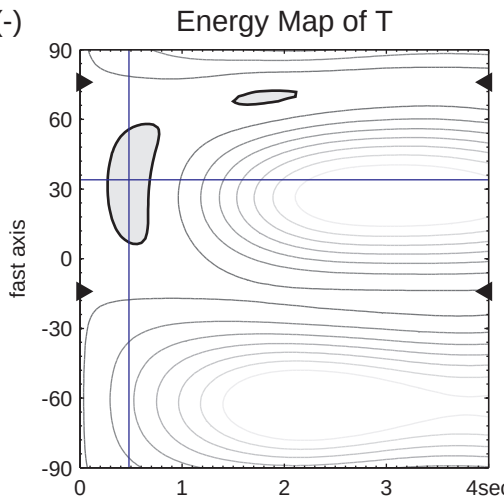


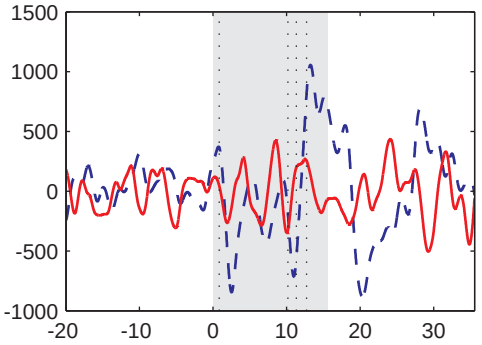








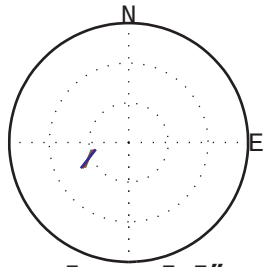




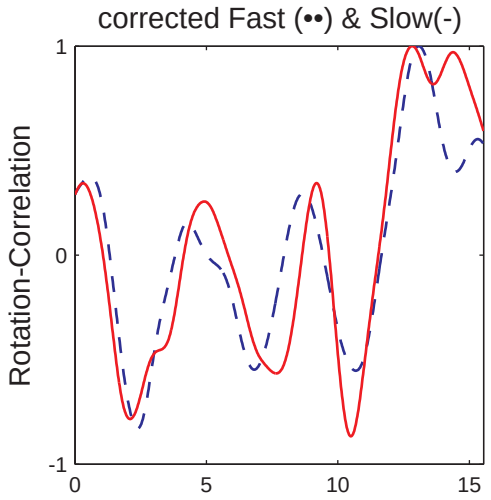
Event: **23-Jan-2012 (023) 16:04 -36.41N -73.03E 20km** Mw=**6.1**
Station: **ANDN** Backazimuth: **247.9”** Distance: **125.00”**
init.Pol.: **70.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.8**

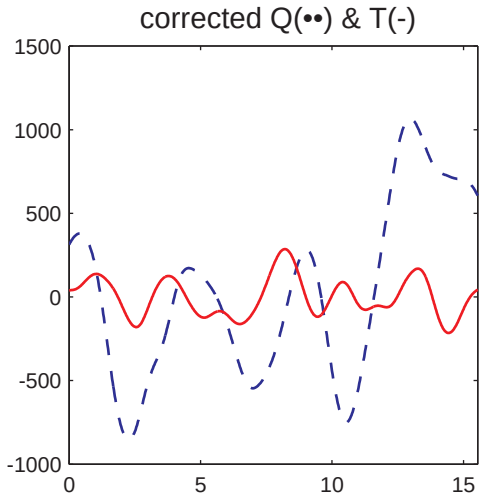
Rotation Correlation:	2<	21° <	42	0.3<0.6s<0.9
Minimum Energy:	3<	32° <	52	0.4<0.7s<1.2
Eigenvalue:	-3<	38° <	60	0.4<0.8s<1.3

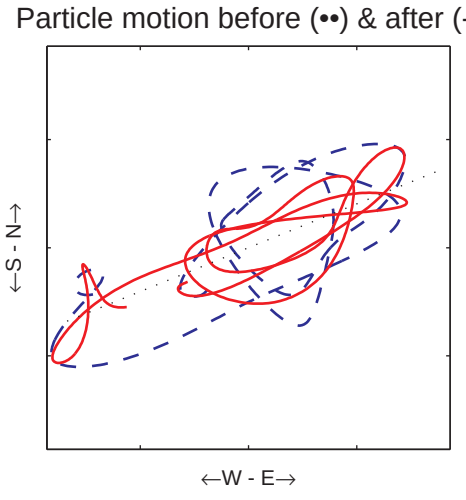
Quality: **fair** IsNull: **No** Phase: **SKS**

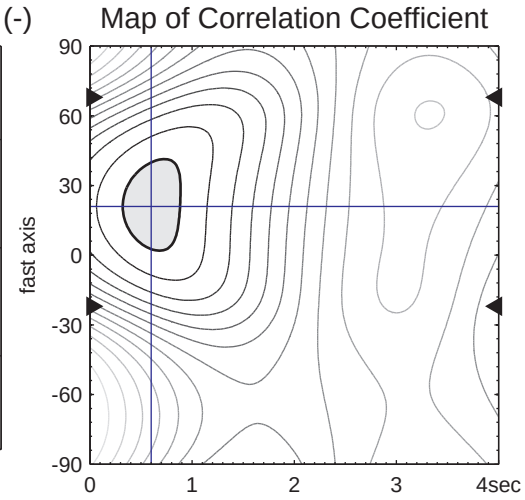


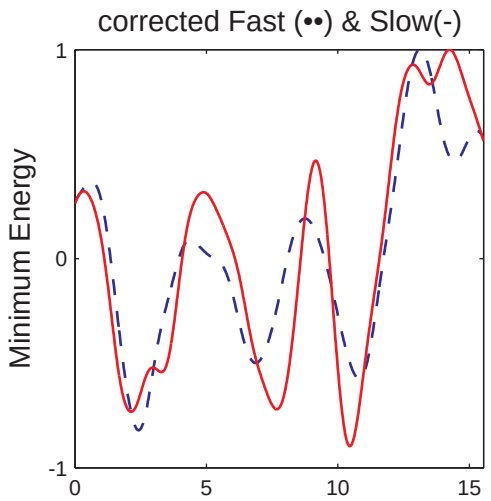
Inc = **5.5”**

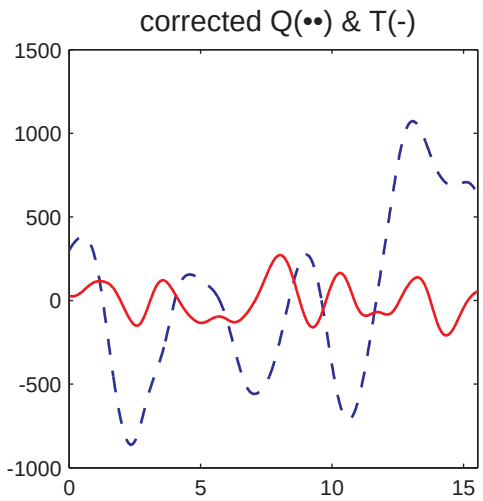


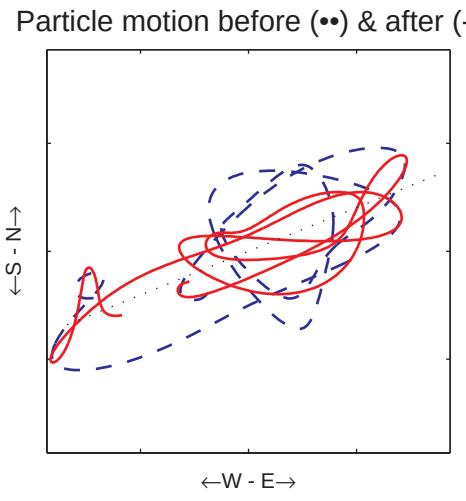


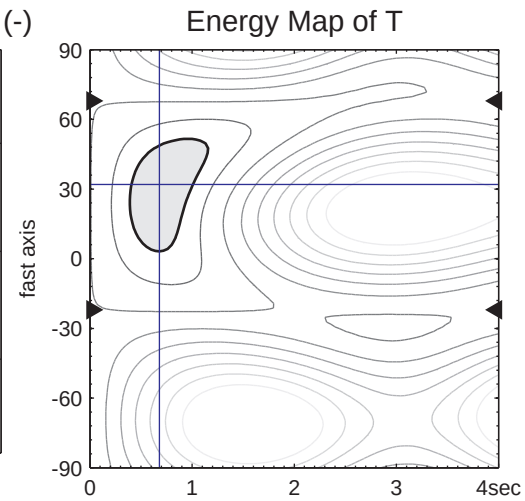


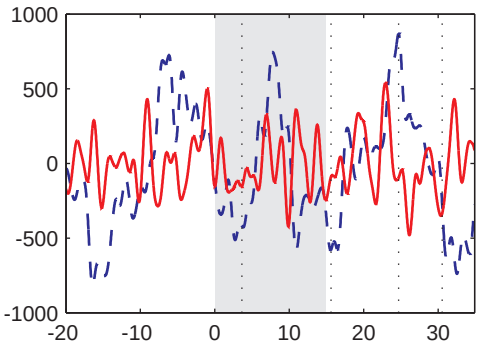








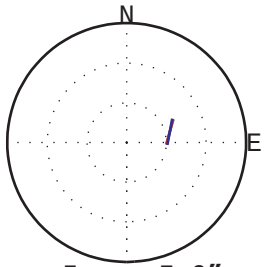




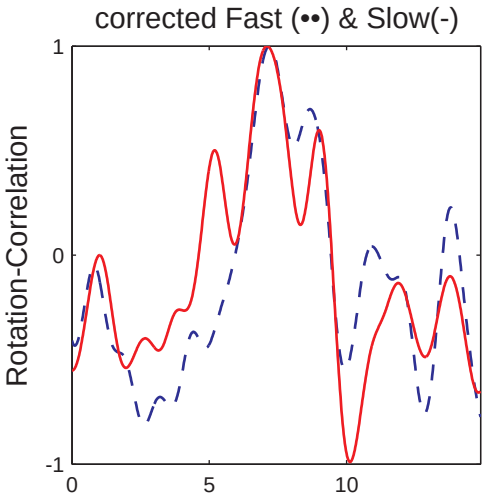
Event: **14-Feb-2012 (045) 08:19 -10.39N 161.10E 51km** Mw=**6.4**
Station: **ANDN** Backazimuth: **76.2”** Distance: **123.67”**
init.Pol.: **250.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

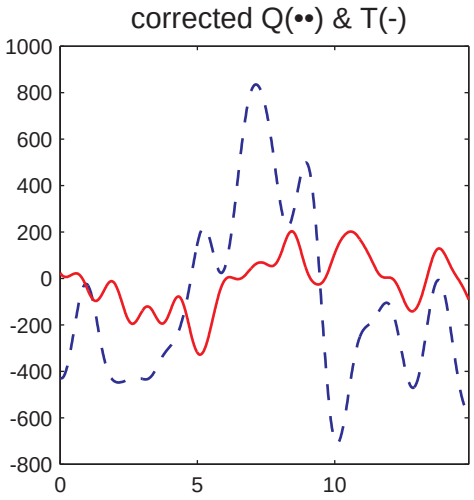
Rotation Correlation:	12<	16° <	22	0.7<0.8s<0.9
Minimum Energy:	7<	14° <	23	0.6<0.8s<1.0
Eigenvalue:	3<	10° <	21	0.7<0.8s<1.0

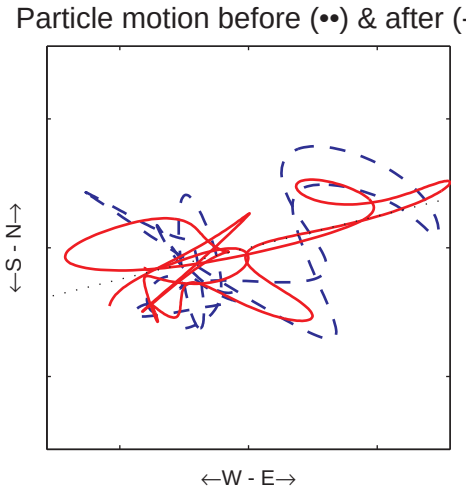
Quality: **good** IsNull: **No** Phase: **SKS**

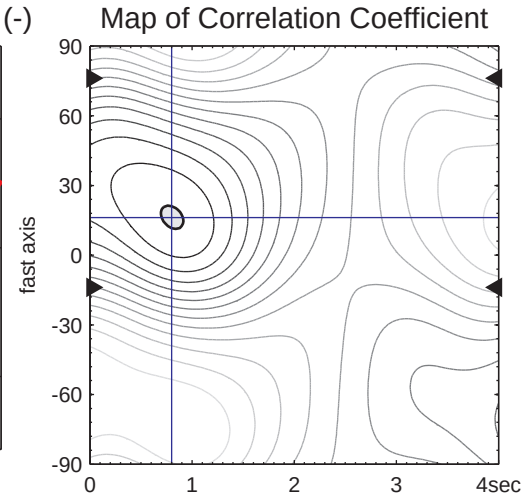


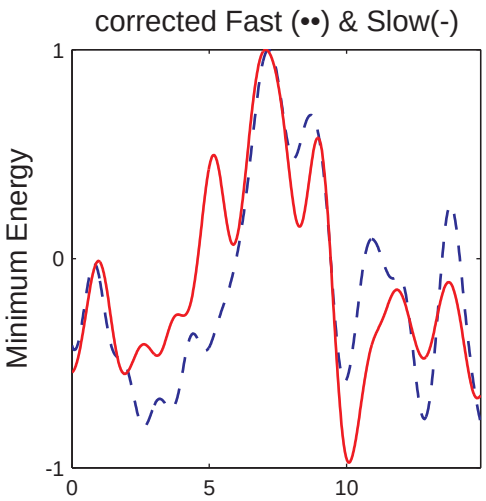
Inc = **5.6”**

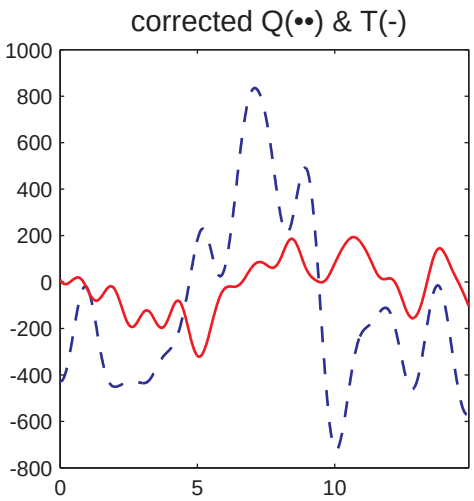


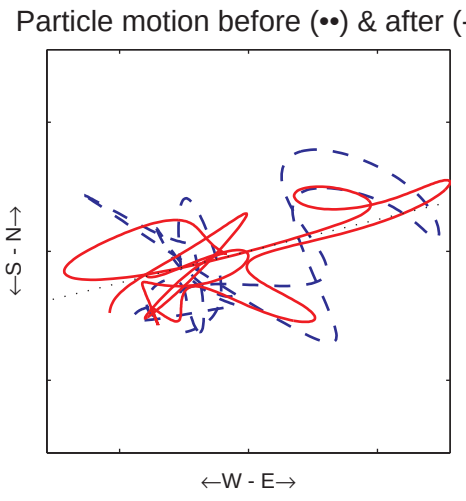


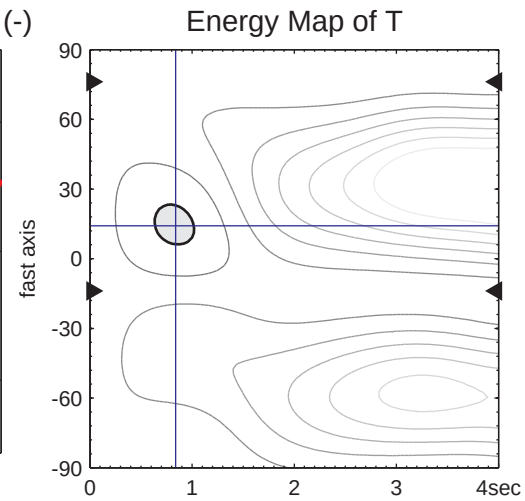


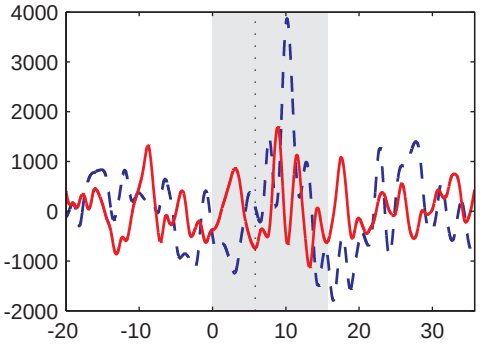








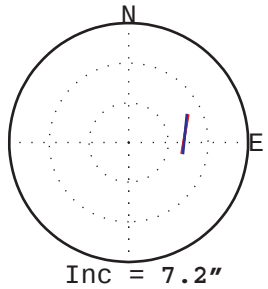


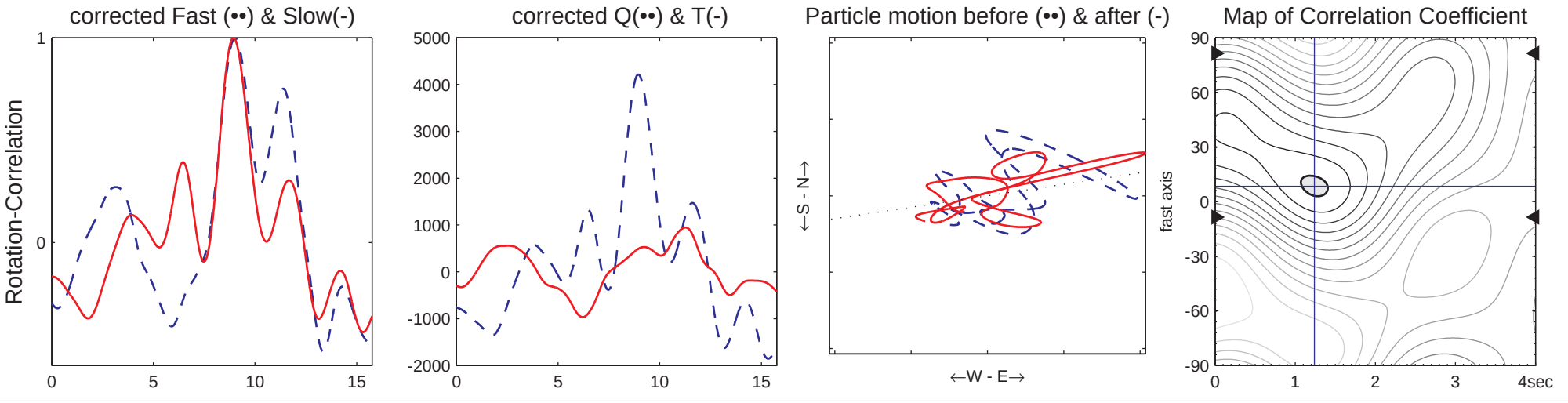


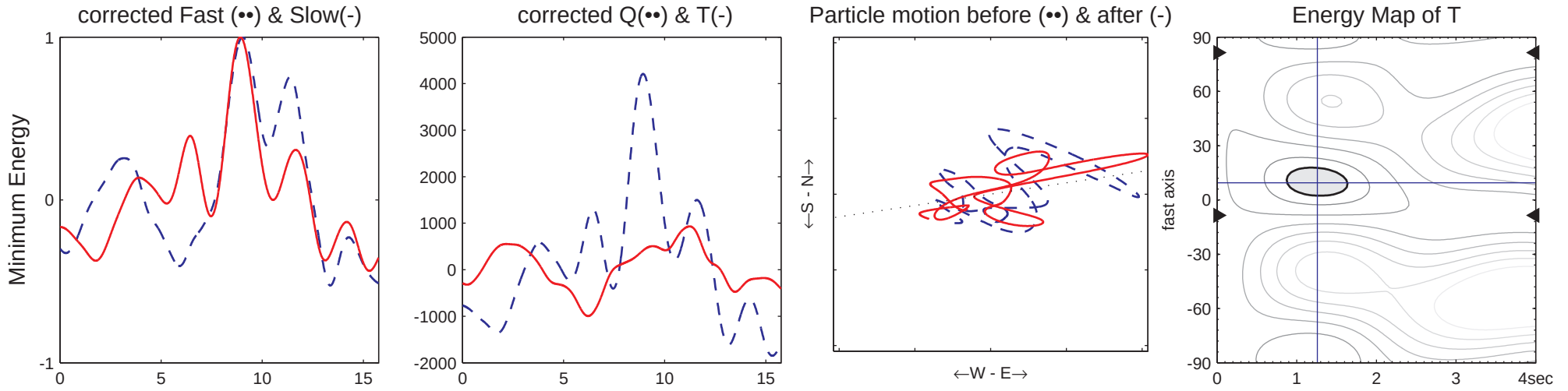
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **ANDN** Backazimuth: **81.5”** Distance: **109.74”**
init.Pol.: **252.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

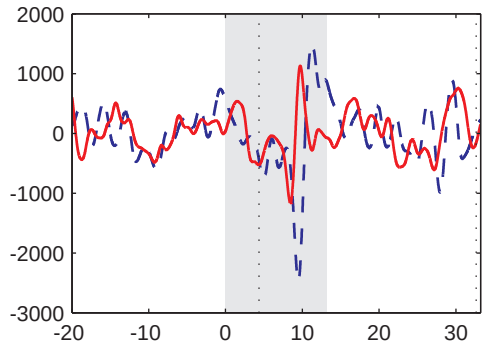
Rotation Correlation:	3<	8° <	15	1.1<1.2s<1.4
Minimum Energy:	3<	9° <	17	0.9<1.3s<1.6
Eigenvalue:	-5<	5° <	13	1.0<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





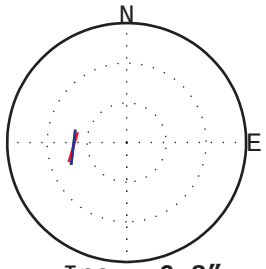




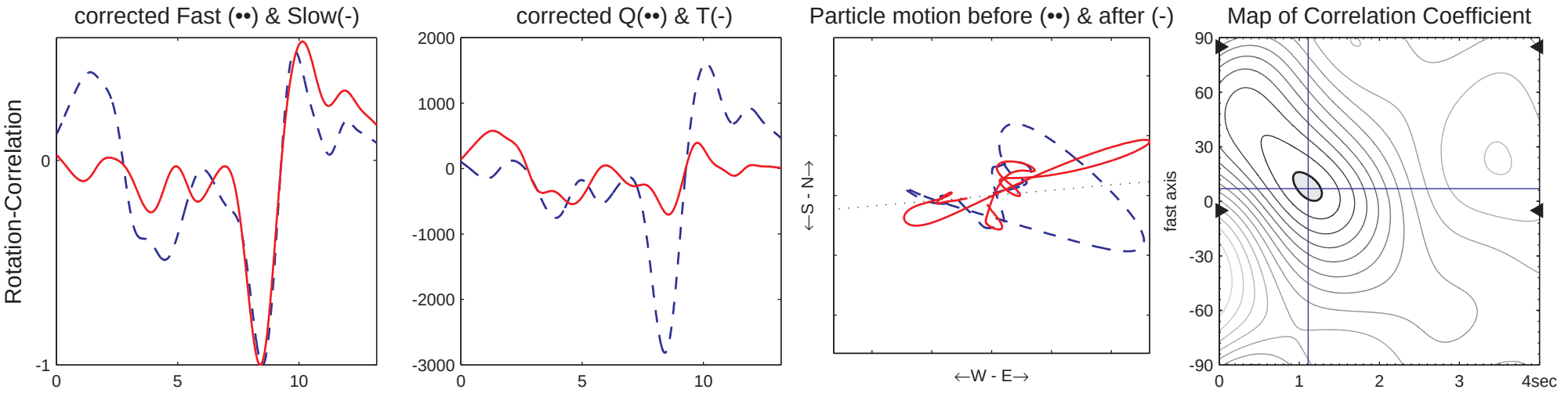
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **ANDN** Backazimuth: **264.9”** Distance: **113.11”**
init.Pol.: **72.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

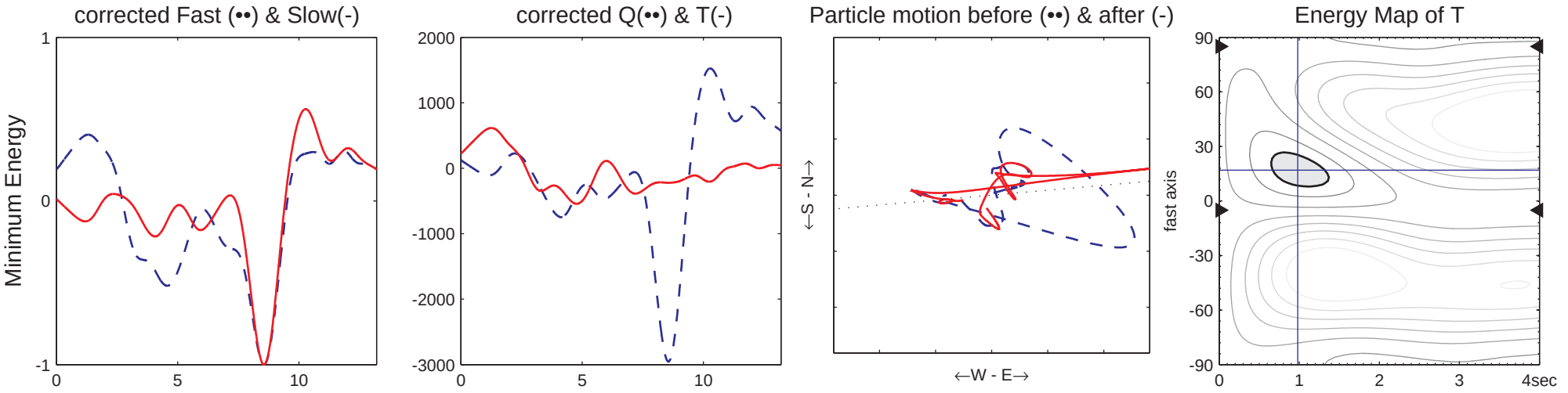
Rotation Correlation:	1<	7° <	16	0.9<1.1s<1.3
Minimum Energy:	7<	17° <	27	0.6<1.0s<1.4
Eigenvalue:	-3<	7° <	19	0.8<1.1s<1.4

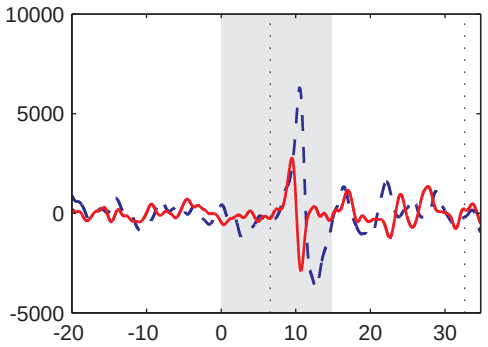
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



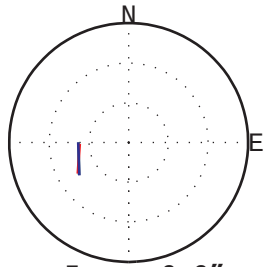




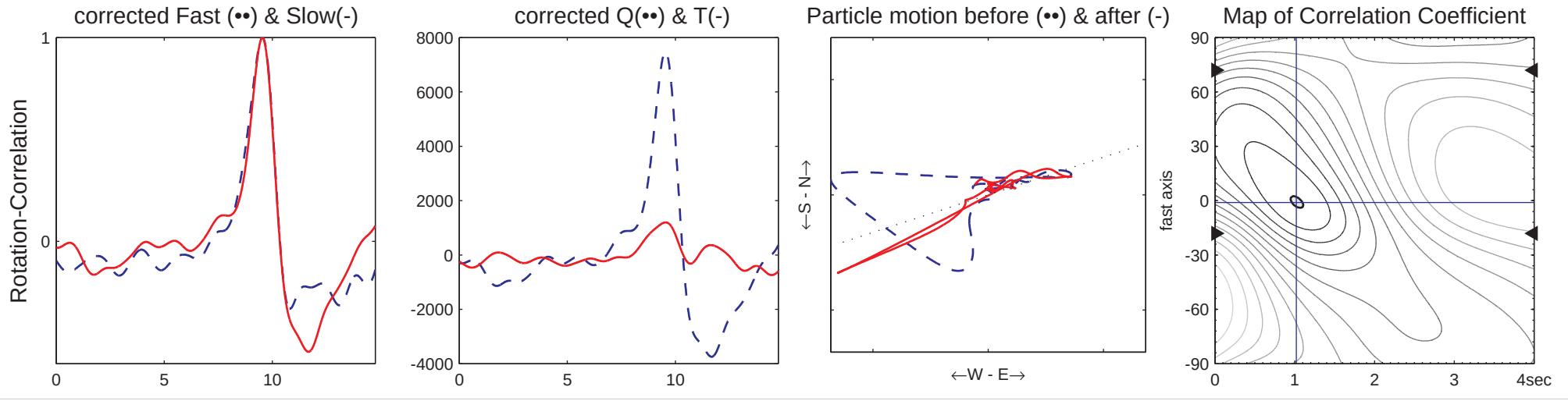
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **ANDN** Backazimuth: **251.9”** Distance: **113.67”**
init.Pol.: **64.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.6**

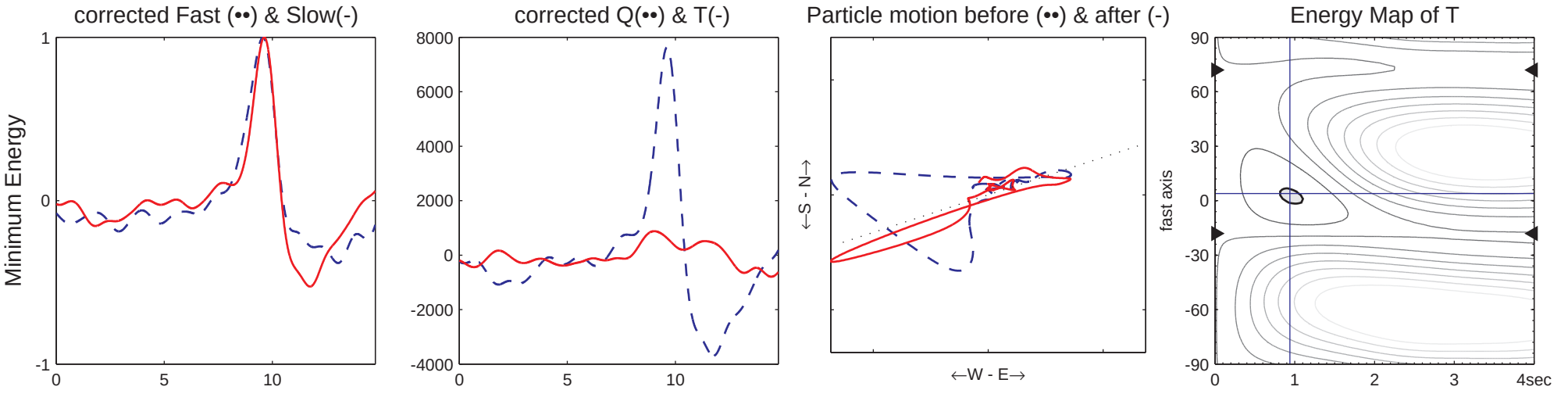
Rotation Correlation:	-5<	-1° <	2	0.9<1.0s<1.1
Minimum Energy:	-1<	4° <	7	0.8<0.9s<1.1
Eigenvalue:	-9<	-2° <	-1	0.9<1.0s<1.2

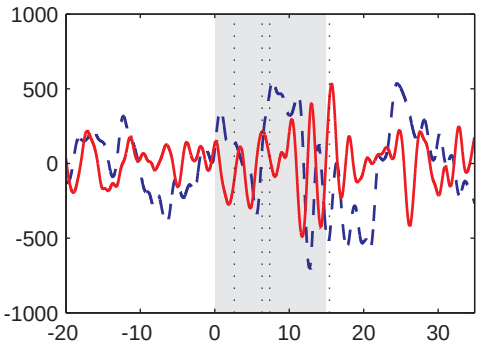
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.6”**



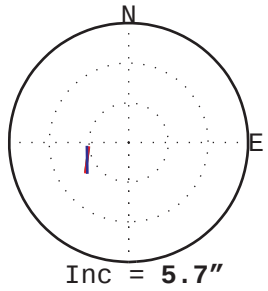


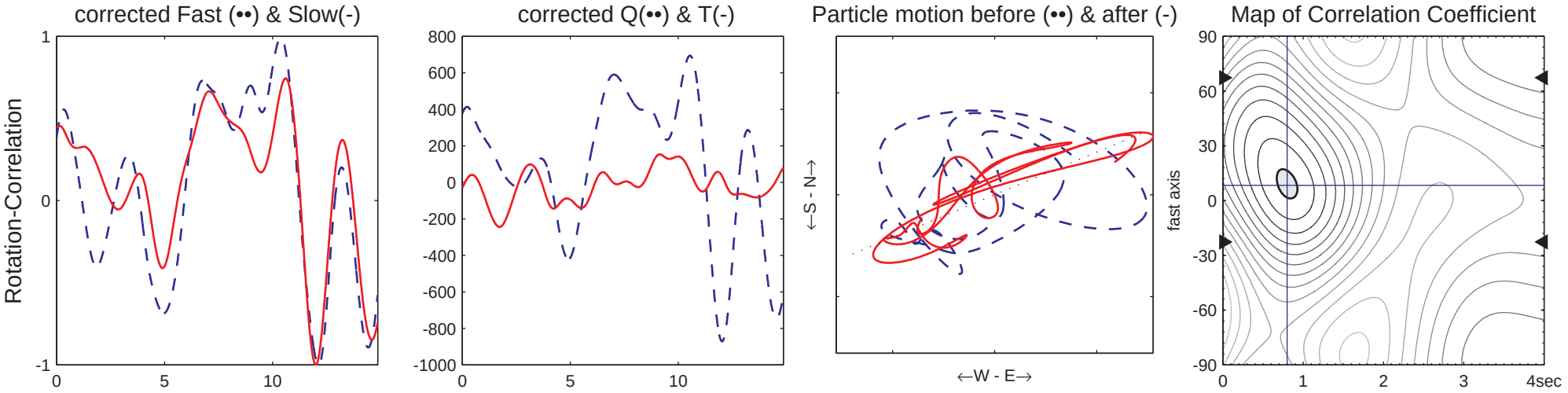


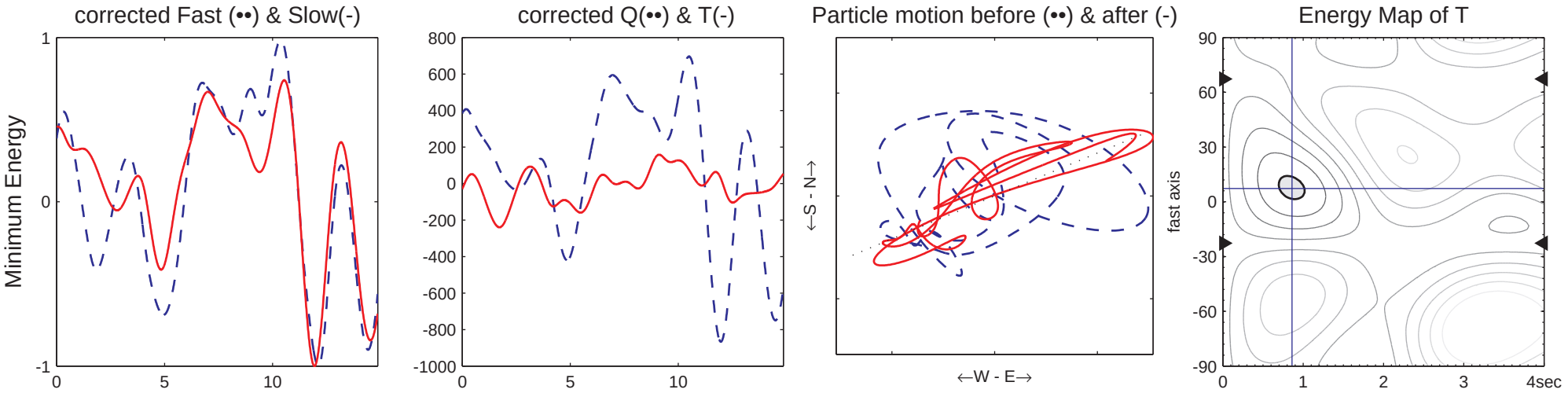
Event: **07-Jun-2012 (159) 04:05 -36.07N -70.57E 8km Mw=6.0**
Station: **ANDN** Backazimuth: **247.3”** Distance: **123.06”**
init.Pol.: **57.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.8**

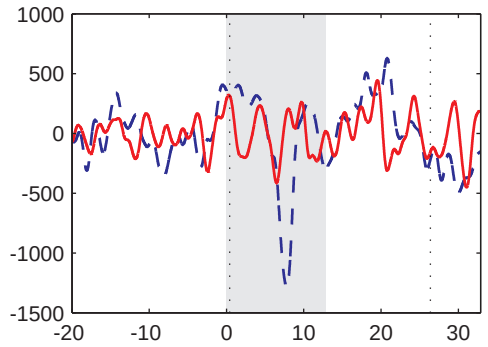
Rotation Correlation:	2<	8° <	18	0.7<0.8s<0.9
Minimum Energy:	1<	7° <	13	0.7<0.9s<1.0
Eigenvalue:	-11<	-1° <	7	0.7<0.9s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





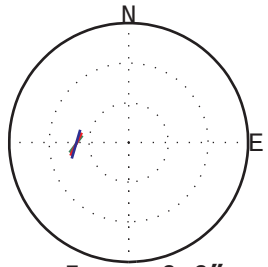




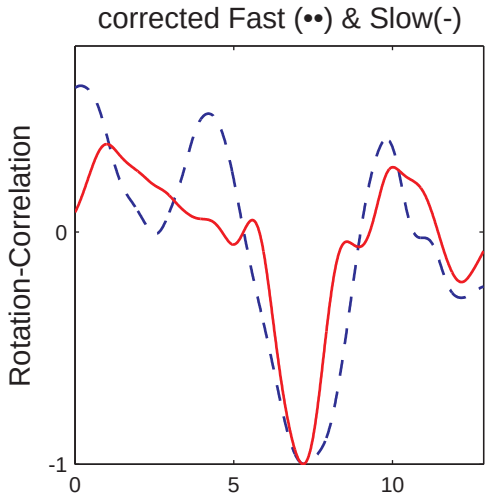
Event: **07-Jun-2012 (159) 16:03 -15.88N -72.41E 110km Mw=6.1**
Station: **ANDN** Backazimuth: **268.2”** Distance: **114.33”**
init.Pol.: **81.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

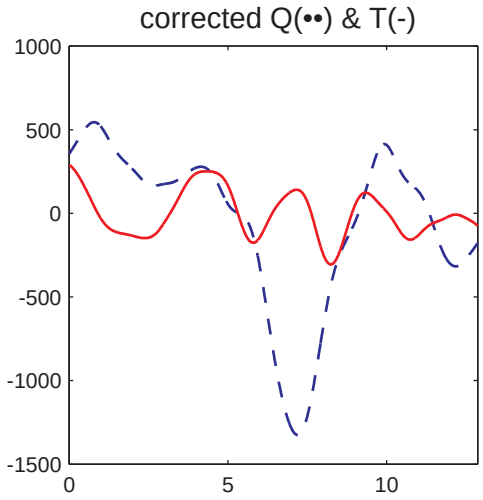
Rotation Correlation:	23<	37° <	53	0.4<0.7s<1.0
Minimum Energy:	9<	26° <	74	0.3<0.8s<1.4
Eigenvalue:	1<	16° <	58	0.4<0.9s<1.5

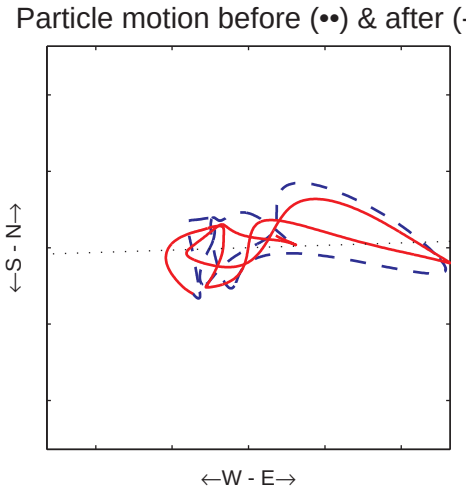
Quality: **fair** IsNull: **No** Phase: **SKS**

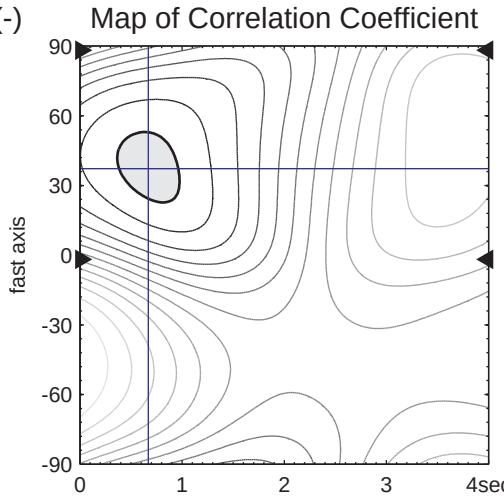


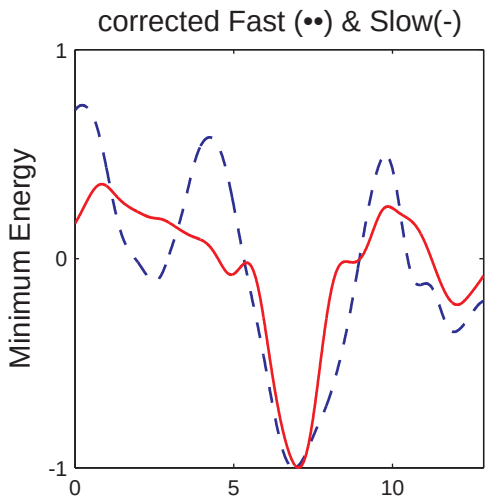
Inc = **6.6”**

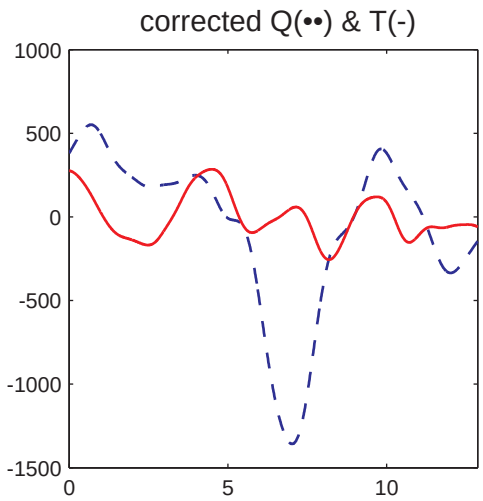


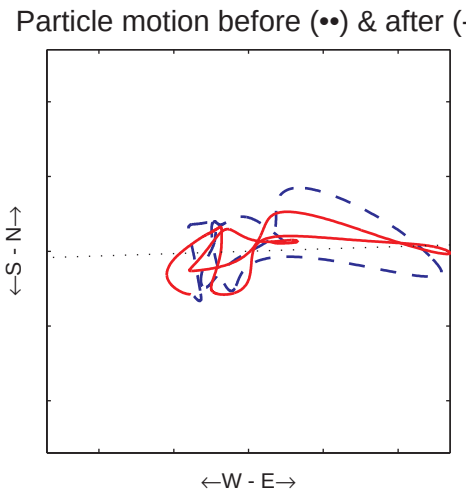


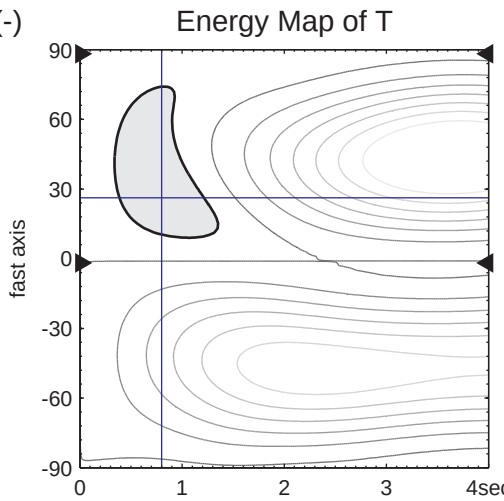


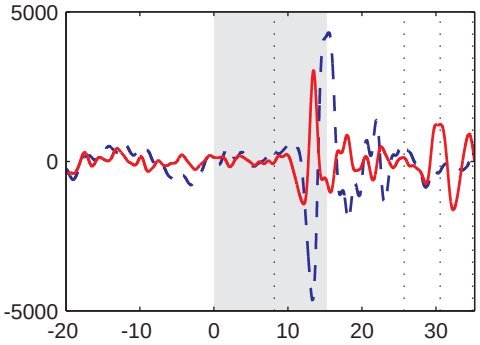








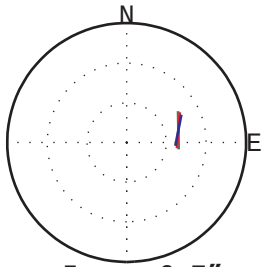




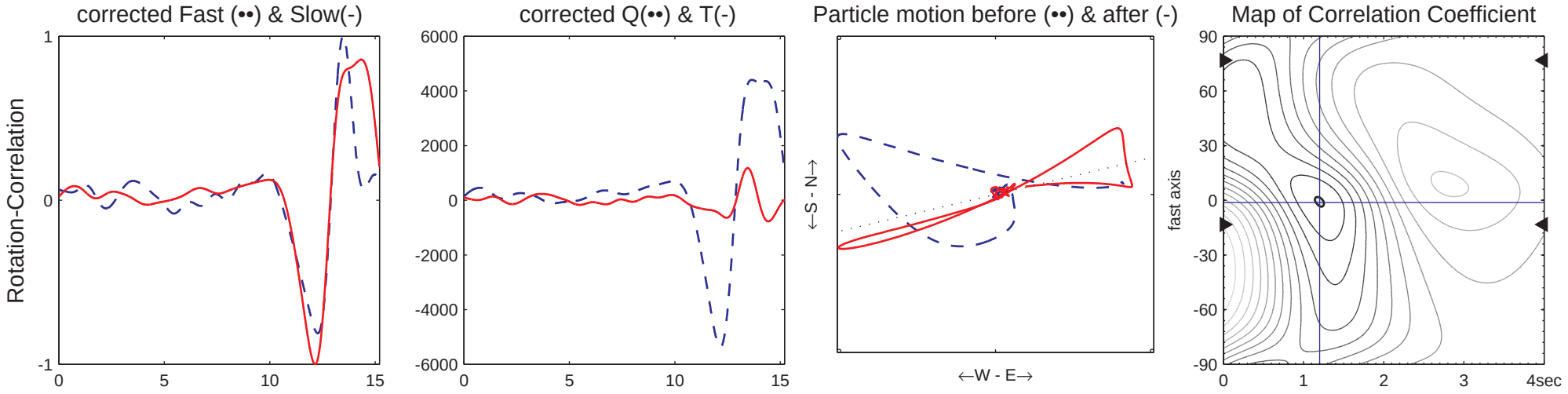
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **ANDN** Backazimuth: **76.7”** Distance: **113.95”**
init.Pol.: **264.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.5**

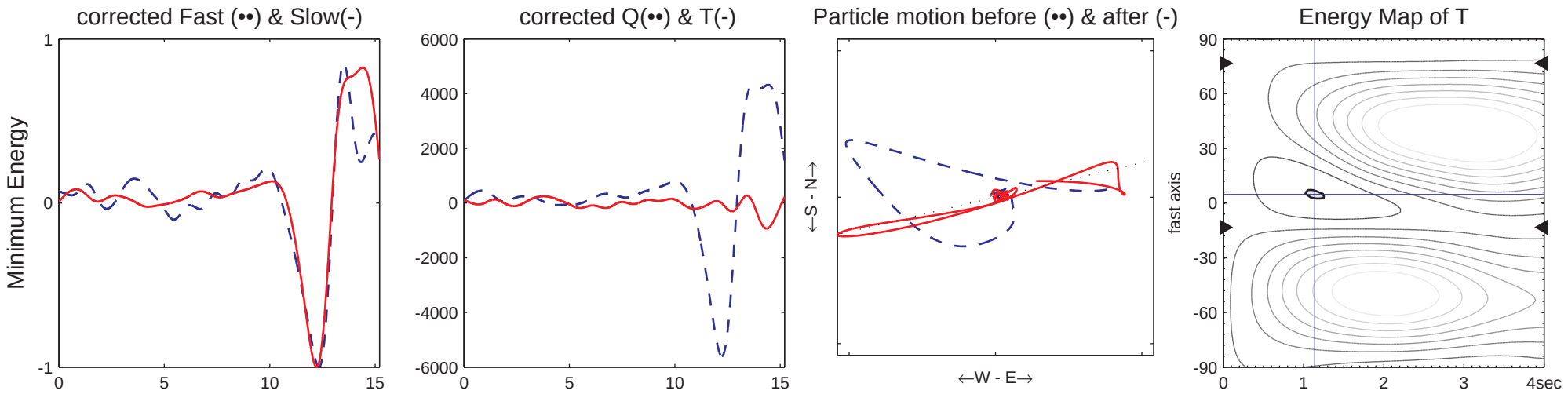
Rotation Correlation:	-5<	-1° <	1	1.1<1.2s<1.3
Minimum Energy:	3<	5° <	7	1.0<1.1s<1.3
Eigenvalue:	7<	11° <	15	0.9<1.0s<1.2

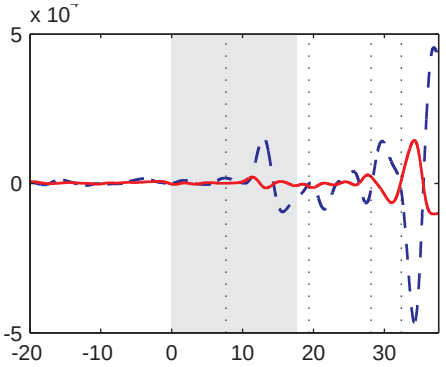
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.7”**



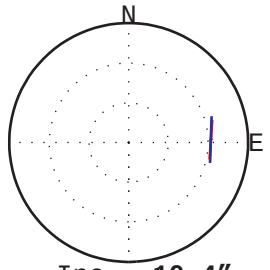




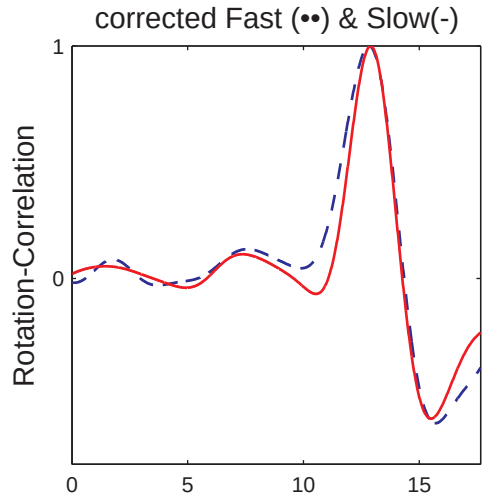
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **ANDN** Backazimuth: **88.0”** Distance: **89.05”**
init.Pol.: **265.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**19.6**

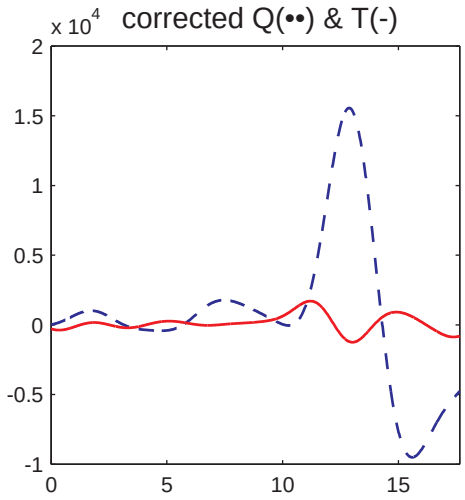
Rotation Correlation:	35<	44° <	55	0.0<0.1s<0.2
Minimum Energy:	1<	4° <	5	0.9<1.2s<1.7
Eigenvalue:	-1<	2° <	3	1.2<1.5s<1.9

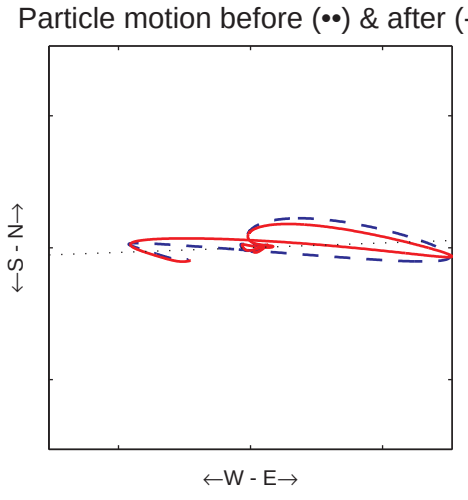
Quality: **good** IsNull: **Yes** Phase: **SKS**

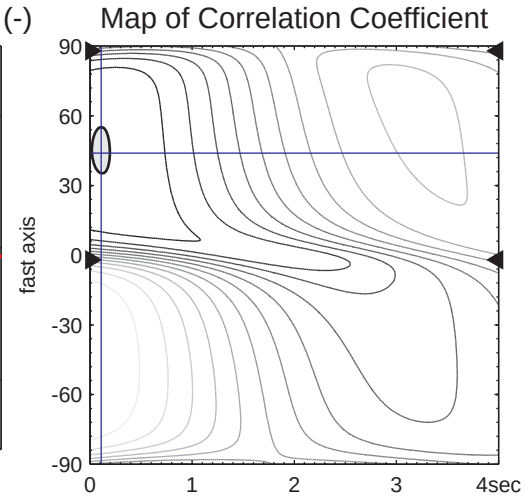


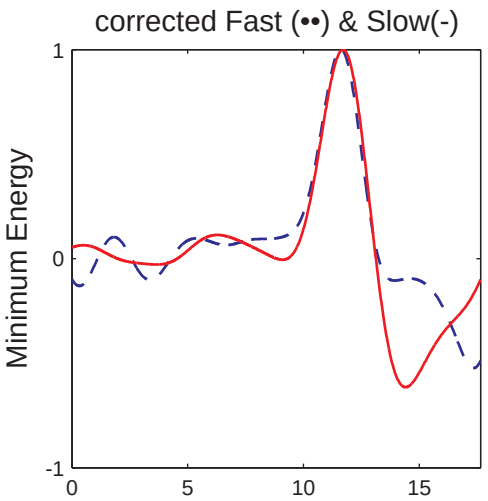
Inc = **10.4”**

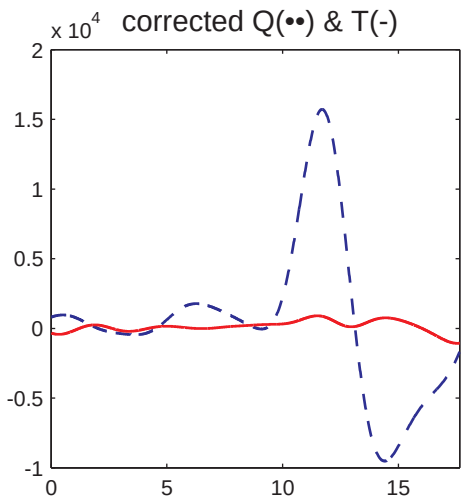


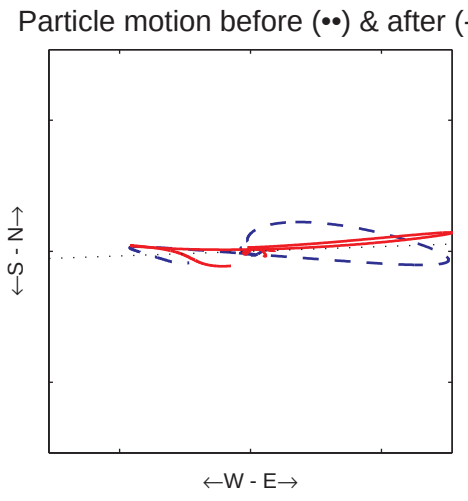


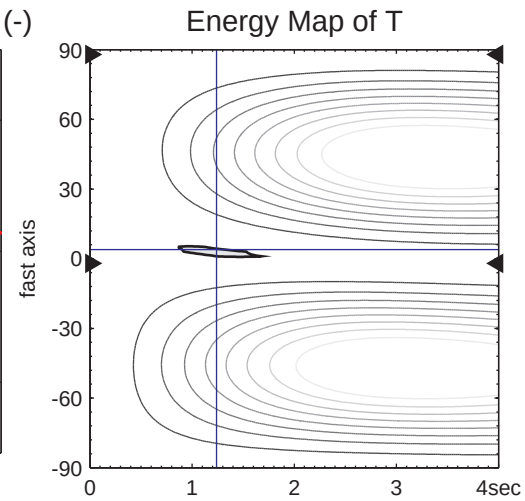


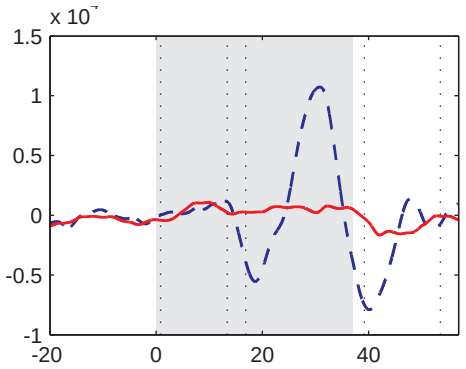






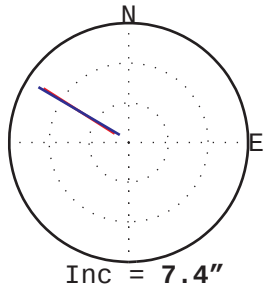


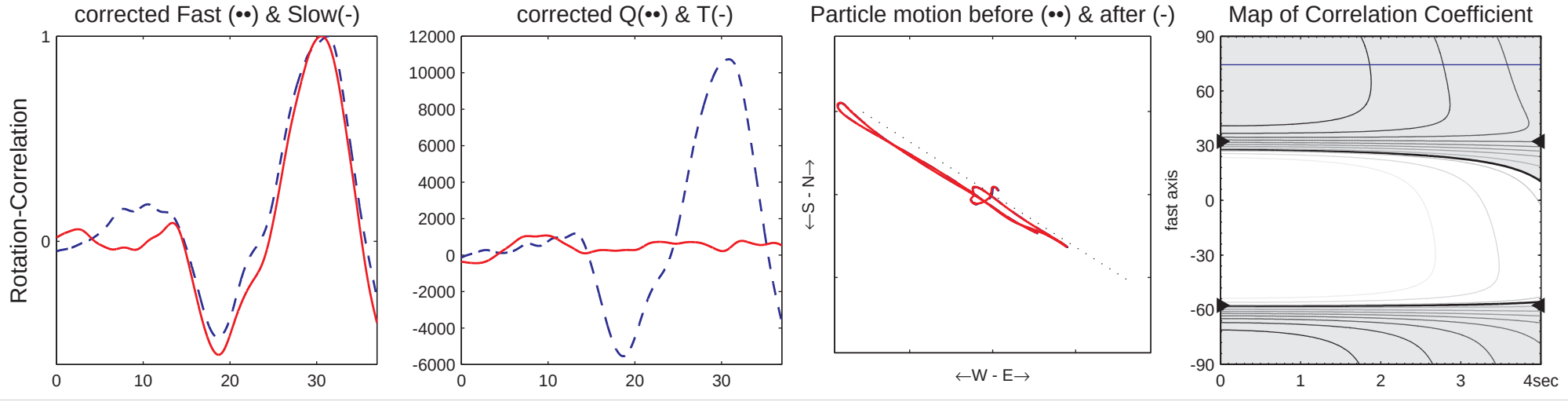


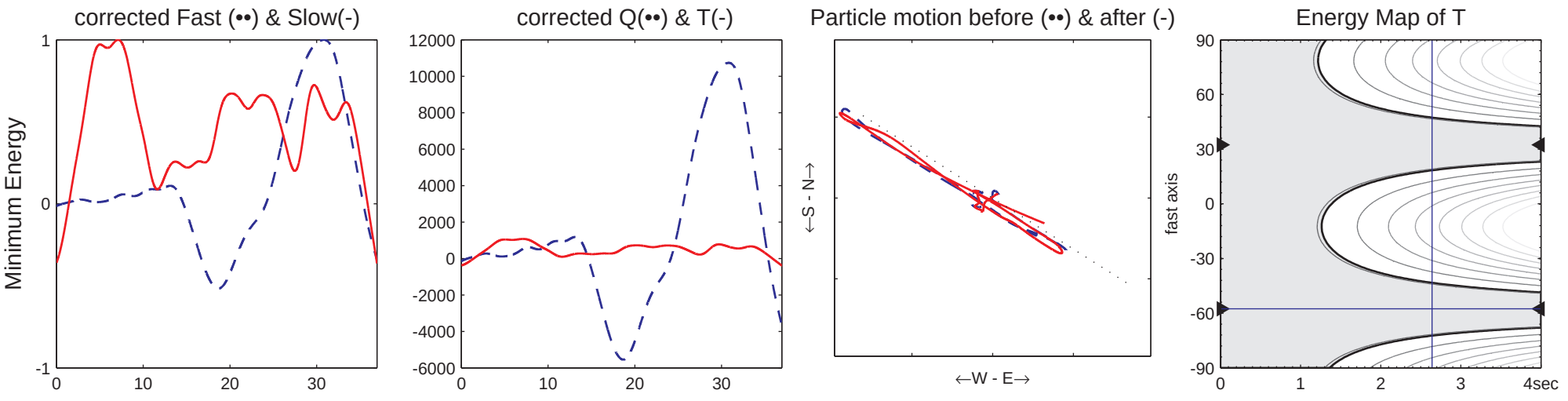


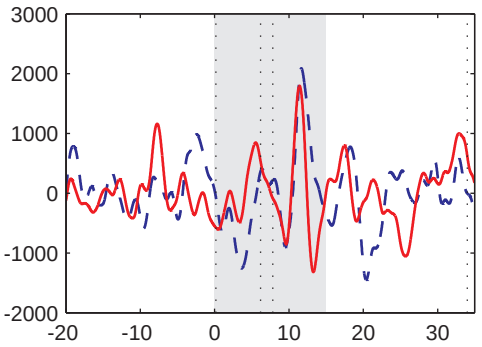
Event: **27-Aug-2012 (240) 04:37 12.14N -88.59E 28km Mw=7.3**
Station: **ANDN** Backazimuth: **302.4”** Distance: **108.39”**
init.Pol.: **121.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.5**

Rotation Correlation: -Inf< 74° < Inf 0.0<0.0s<Inf
Minimum Energy: -Inf< -58° < Inf 0.0<2.6s<Inf
Eigenvalue: -Inf< -60° < Inf 0.0<3.0s<Inf
Quality: **good** IsNull: **Yes** Phase: **SKS**





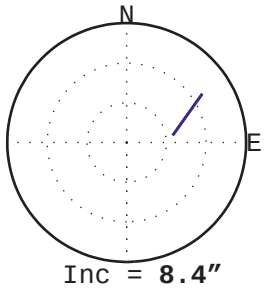


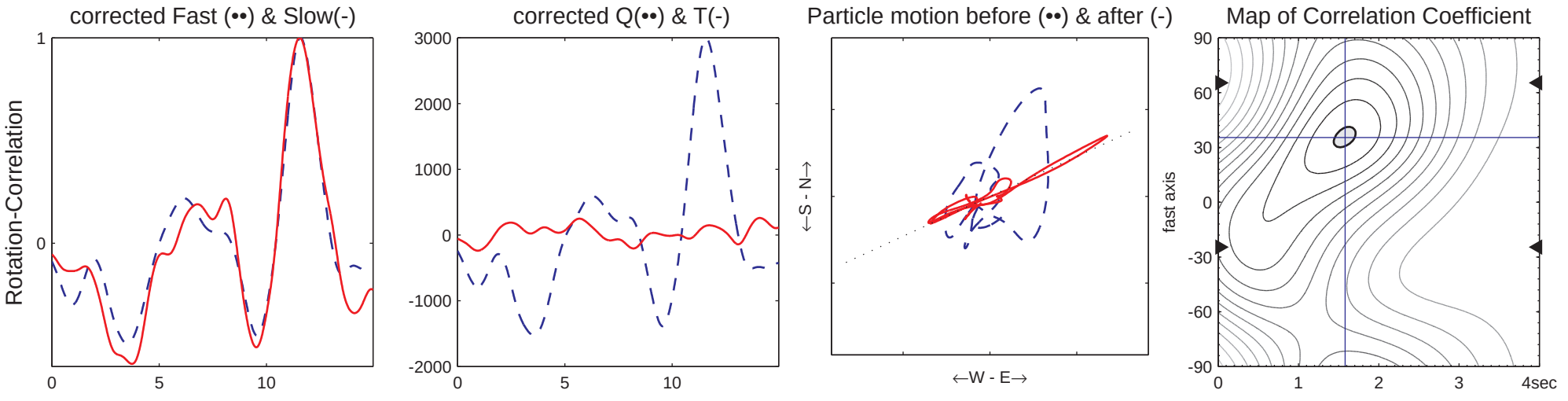


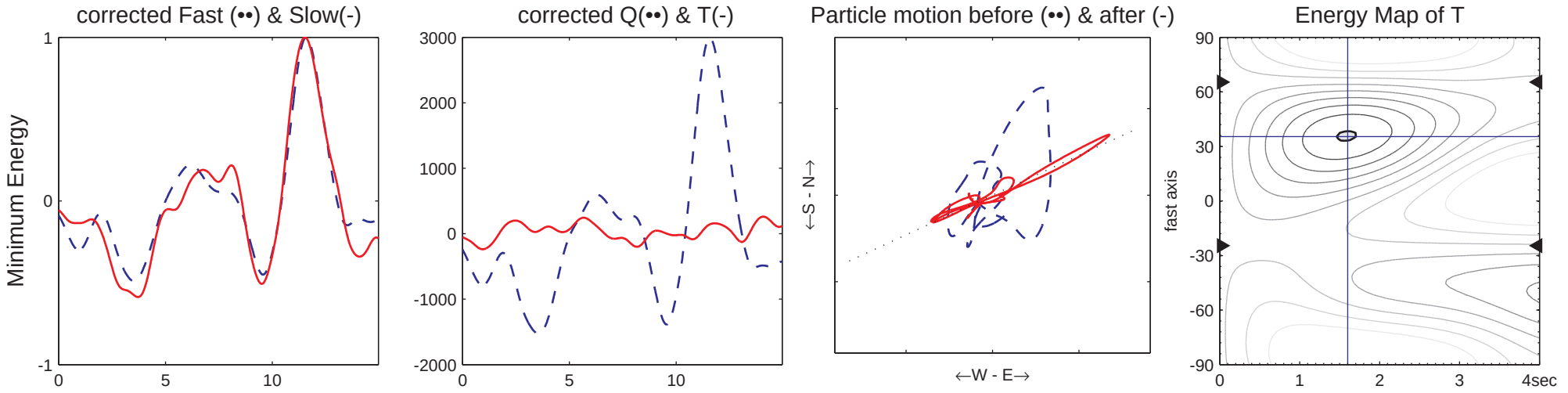
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **AUMIH** Backazimuth: **65.4”** Distance: **100.87”**
init.Pol.: **244.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.0**

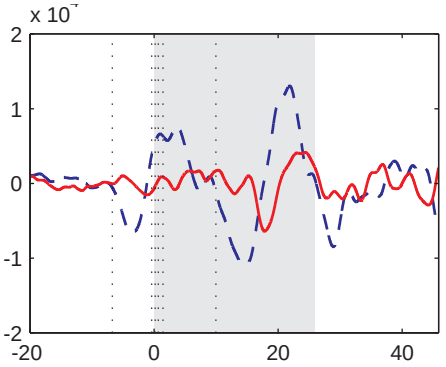
Rotation Correlation:	30<	35° <	42	1.4<1.6s<1.7
Minimum Energy:	33<	35° <	37	1.5<1.6s<1.7
Eigenvalue:	31<	35° <	41	1.4<1.6s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





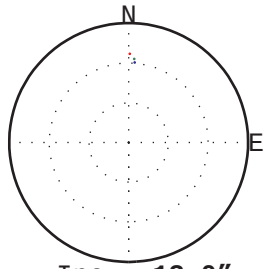


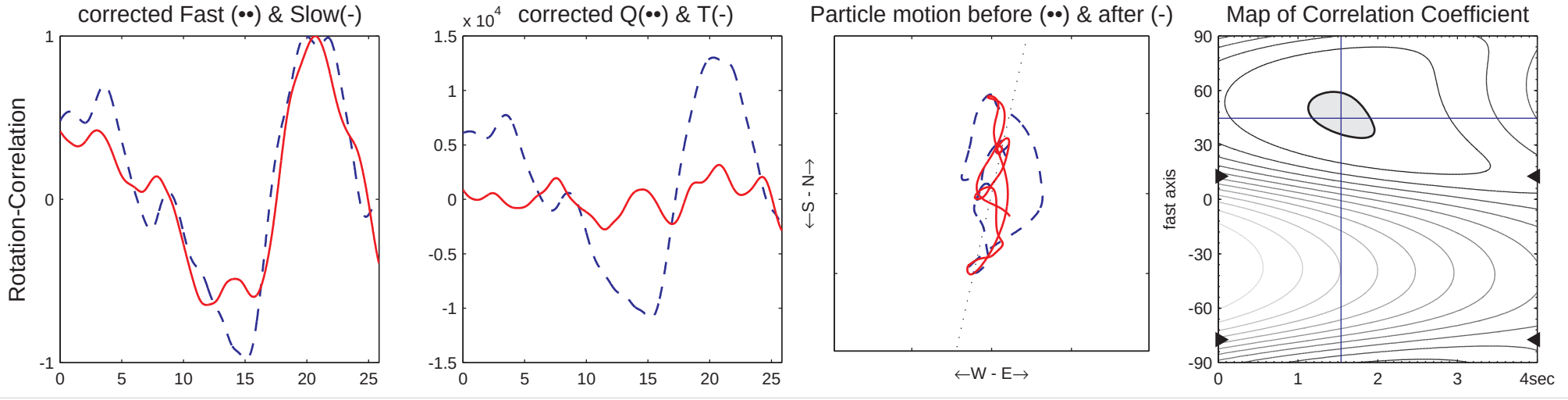


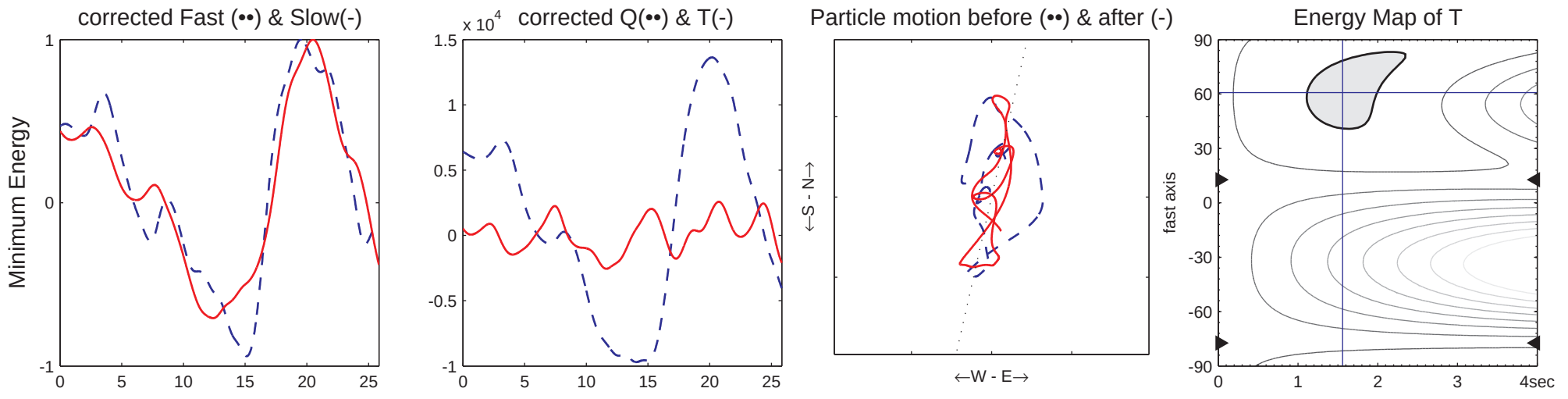
Event: **18-Jul-2010 (199) 05:56 52.88N -169.85E 14km Mw=6.7**
Station: **AUMIH** Backazimuth: **12.7”** Distance: **85.43”**
init.Pol.: **185.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

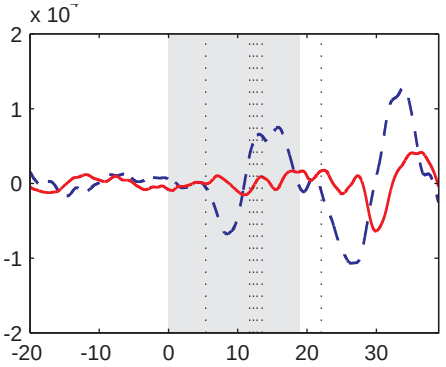
Rotation Correlation:	34<	45° <	59	1.1<1.5s<2.0
Minimum Energy:	41<	61° <	84	1.1<1.6s<2.4
Eigenvalue:	23<	39° <	64	1.2<1.7s<2.4

Quality: **fair** IsNull: **No** Phase: **SKKS**





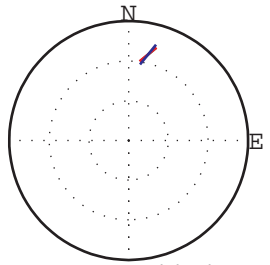


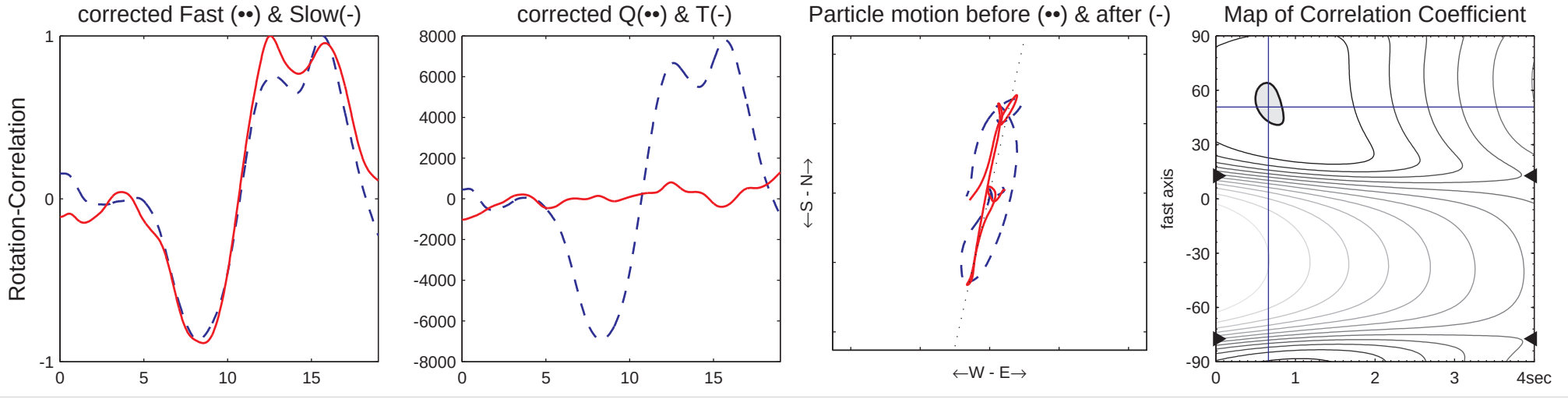


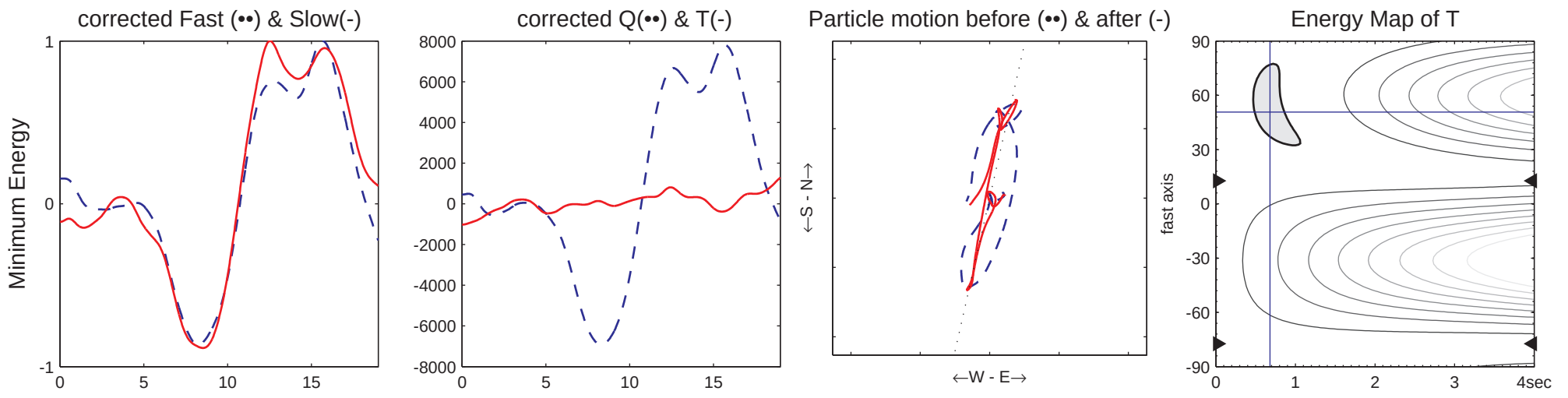
Event: **18-Jul-2010 (199) 05:56 52.88N -169.85E 14km Mw=6.7**
Station: **AUMIH** Backazimuth: **12.7”** Distance: **85.43”**
init.Pol.: **190.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.9**

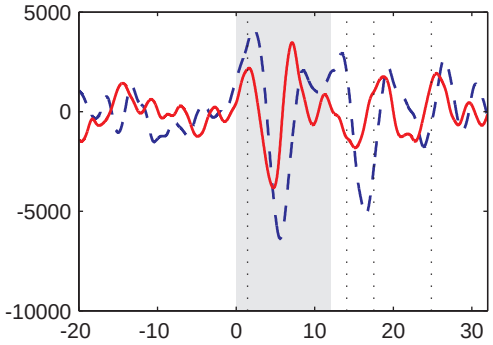
Rotation Correlation:	41<	51° <	64	0.5<0.7s<0.8
Minimum Energy:	33<	51° <	78	0.5<0.7s<1.1
Eigenvalue:	23<	39° <	68	0.5<0.8s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





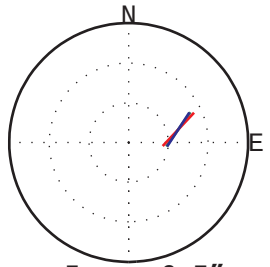


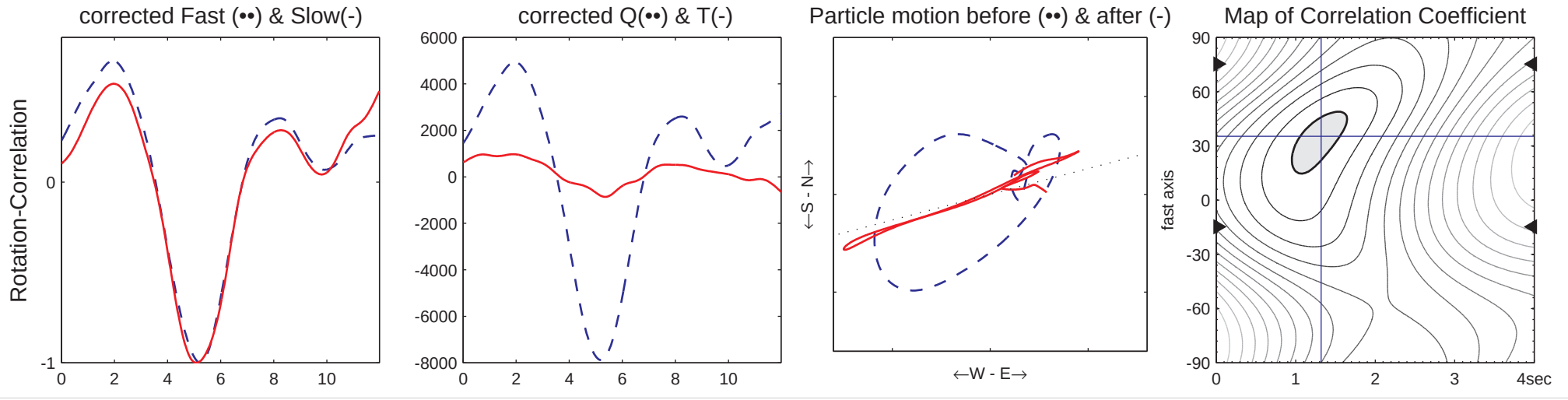


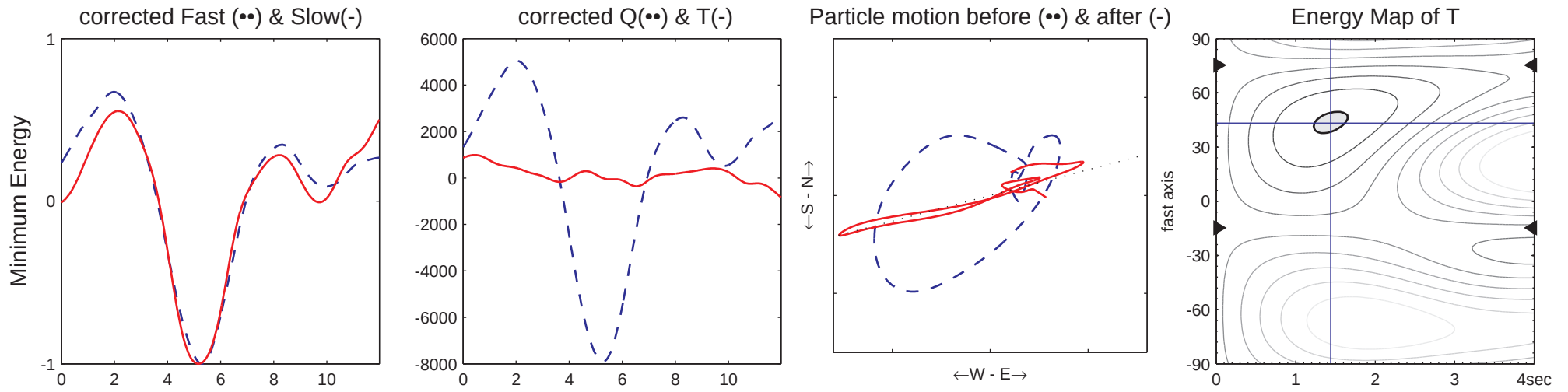
Event: **18-Jul-2010 (199) 13:04 -5.97N 150.43E 28km Mw=6.9**
Station: **AUMIH** Backazimuth: **75.3”** Distance: **115.85”**
init.Pol.: **247.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.8**

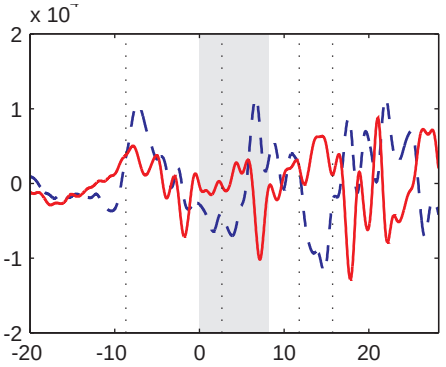
Rotation Correlation:	15<	35° <	49	1.0<1.3s<1.6
Minimum Energy:	37<	43° <	50	1.2<1.4s<1.6
Eigenvalue:	23<	33° <	43	1.1<1.3s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





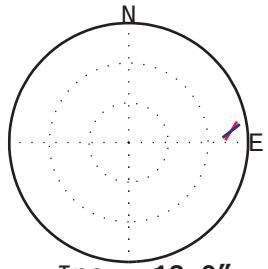




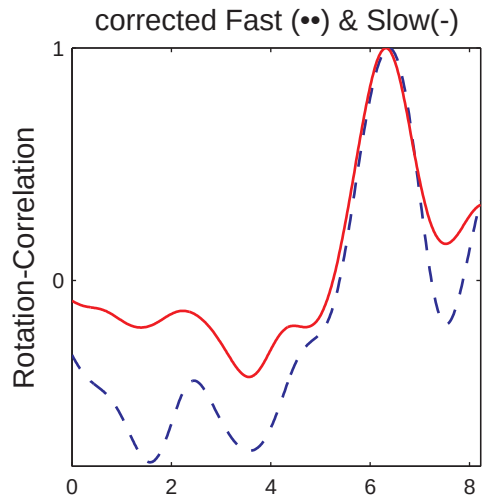
Event: **23-Jul-2010 (204) 22:08 6.72N 123.41E 607km Mw=7.3**
Station: **AUMIH** Backazimuth: **83.6”** Distance: **87.17”**
init.Pol.: **283.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

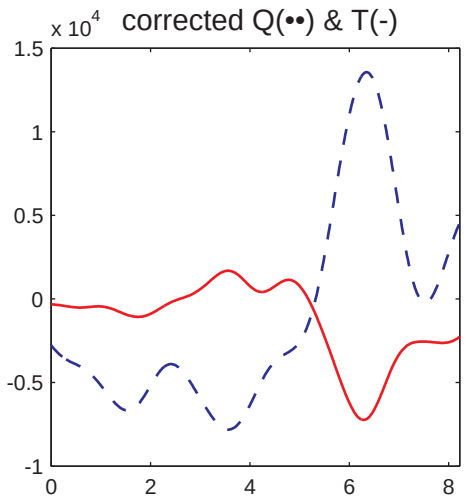
Rotation Correlation:	42<	53° <	66	0.5<0.7s<0.8
Minimum Energy:	13<	32° <	54	0.4<0.7s<1.1
Eigenvalue:	46<	52° <	62	0.6<0.7s<0.8

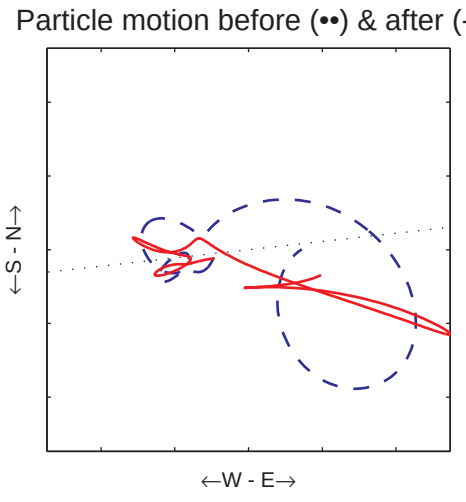
Quality: **fair** IsNull: **No** Phase: **SKKS**

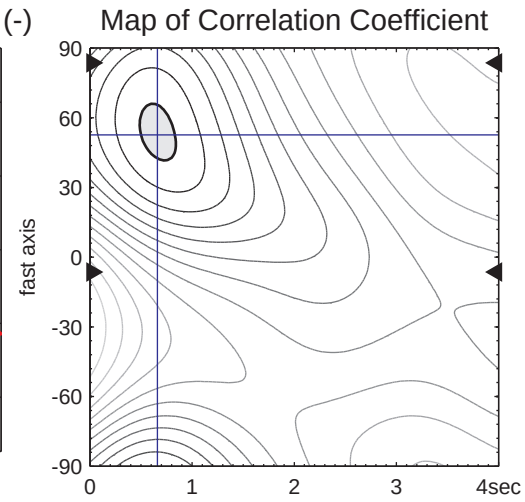


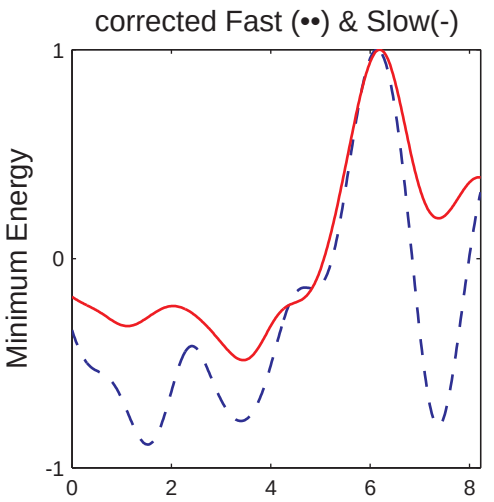
Inc = **13.0”**

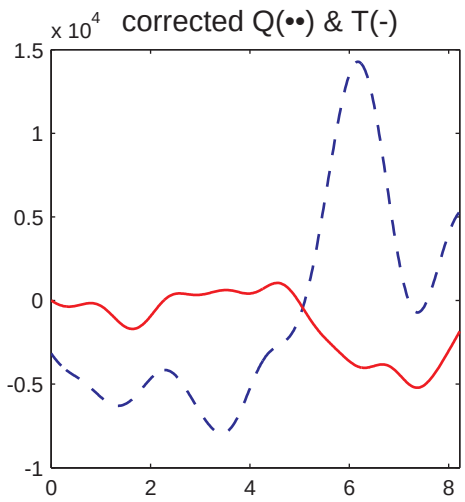


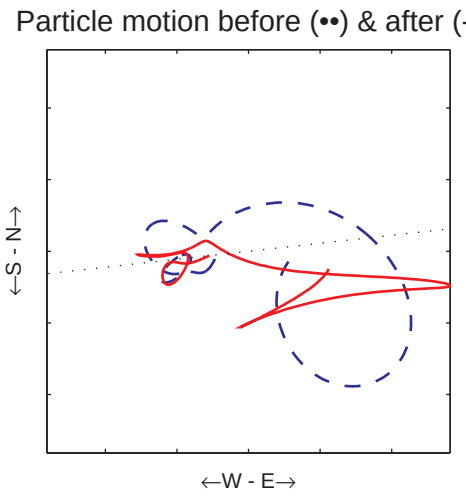


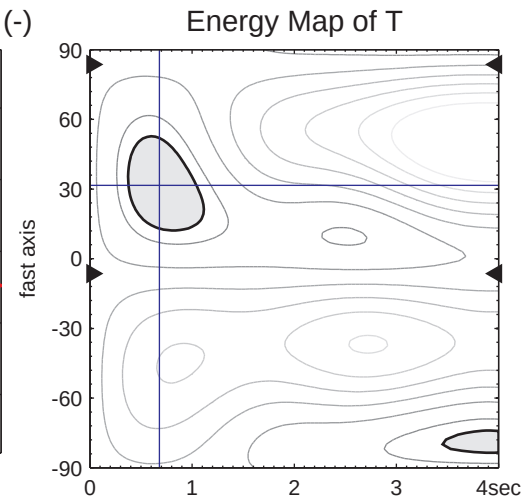


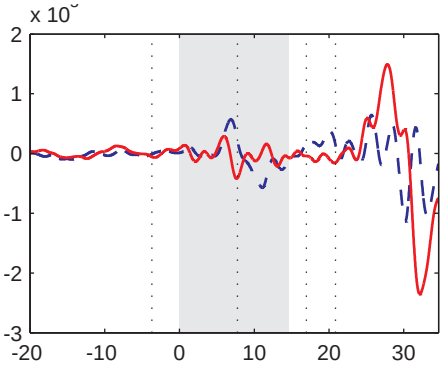








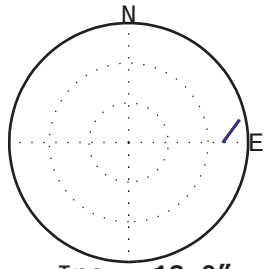




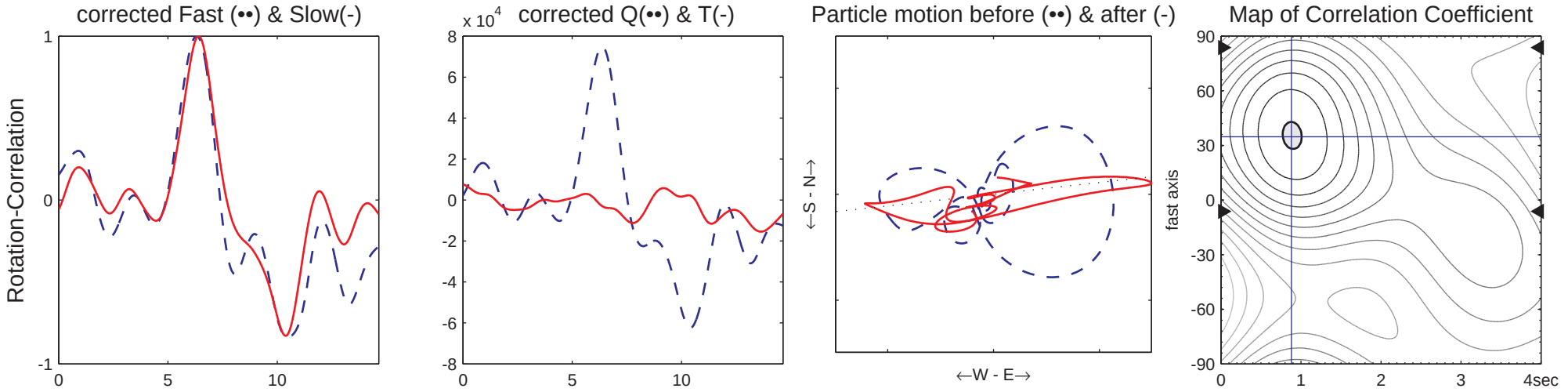
Event: **23-Jul-2010 (204) 22:51 6.50N 123.48E 578km Mw=7.6**
Station: **AUMIH** Backazimuth: **83.7”** Distance: **87.37”**
init.Pol.: **262.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.7**

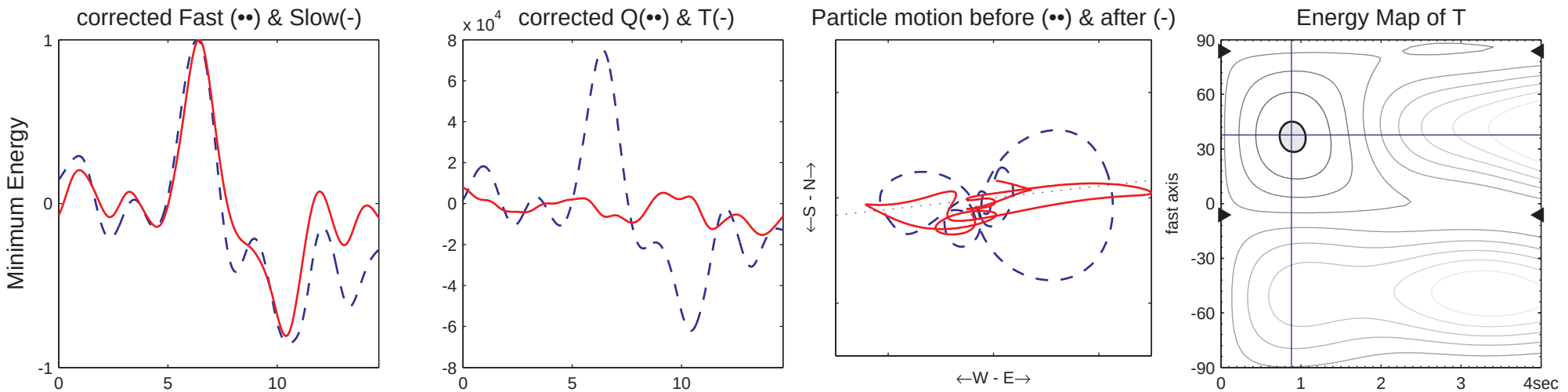
Rotation Correlation:	28<	35° <	43	0.8<0.9s<1.0
Minimum Energy:	29<	38° <	46	0.7<0.9s<1.0
Eigenvalue:	25<	36° <	46	0.8<0.9s<1.0

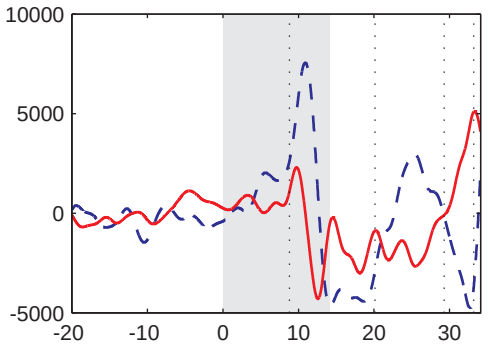
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



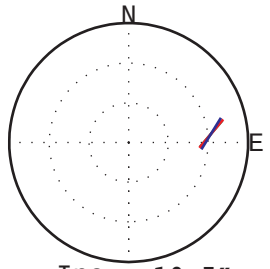


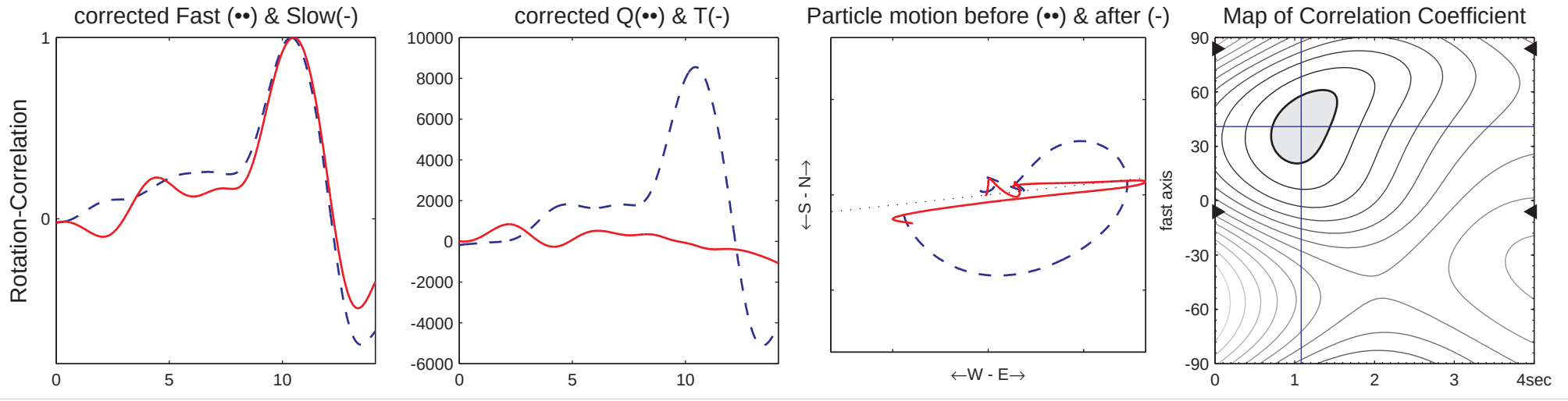


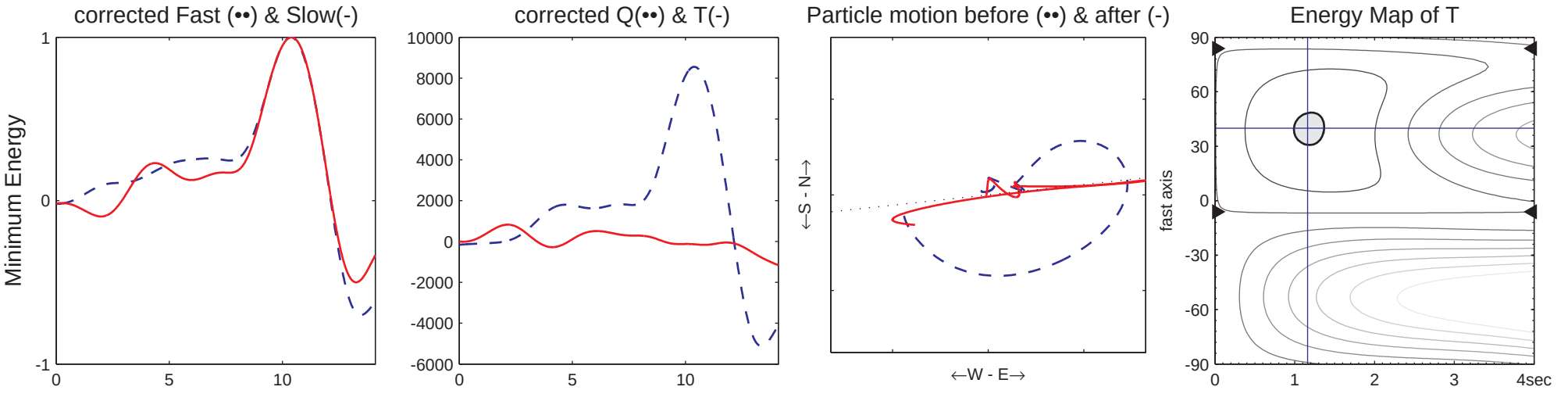
Event: **29-Jul-2010 (210) 07:31 6.55N 123.22E 618km Mw=6.6**
Station: **AUMIH** Backazimuth: **83.9”** Distance: **87.14”**
init.Pol.: **259.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.4**

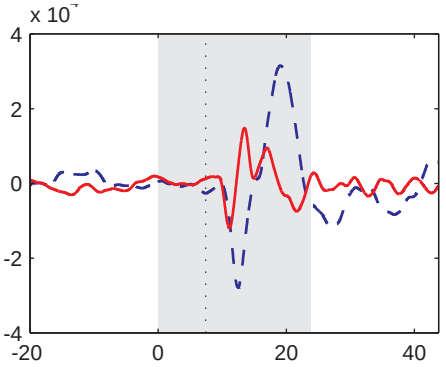
Rotation Correlation:	21<	41° <	61	0.7<1.1s<1.5
Minimum Energy:	31<	40° <	48	1.0<1.2s<1.4
Eigenvalue:	15<	32° <	48	1.0<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





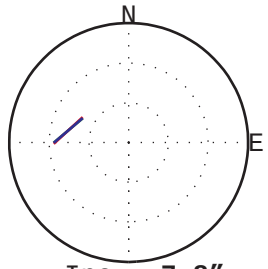


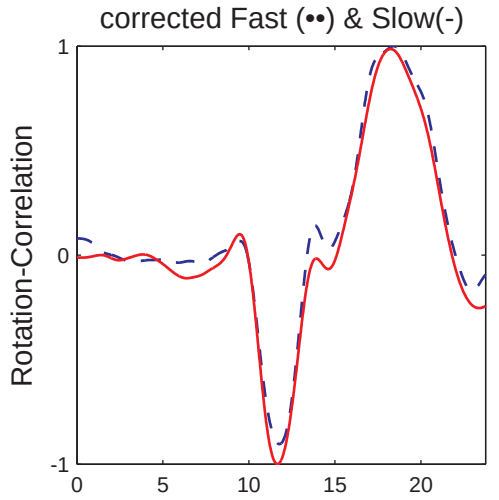


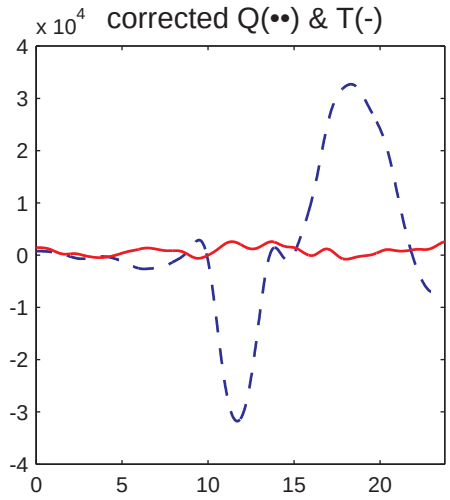
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **AUMIH** Backazimuth: **281.3”** Distance: **105.15”**
init.Pol.: **102.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**21.0**

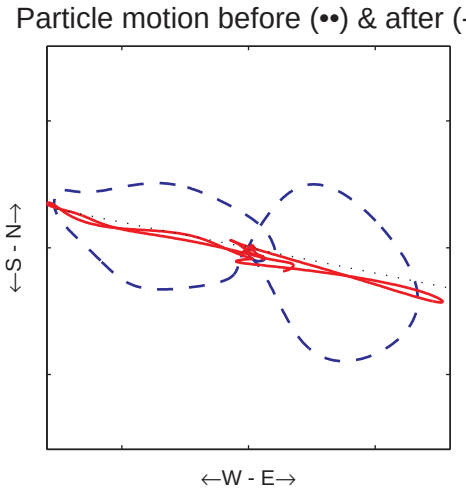
Rotation Correlation:	47<	50° <	55	1.1<1.2s<1.3
Minimum Energy:	43<	47° <	52	1.1<1.2s<1.3
Eigenvalue:	48<	49° <	54	1.2<1.2s<1.3

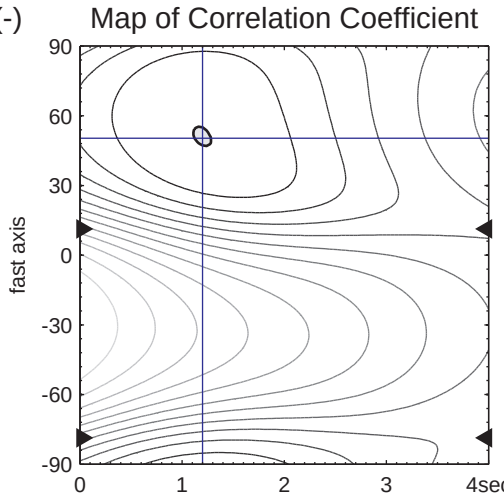
Quality: **good** IsNull: **No** Phase: **SKS**

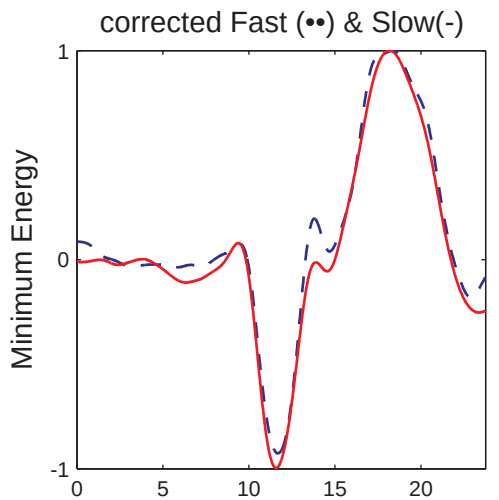


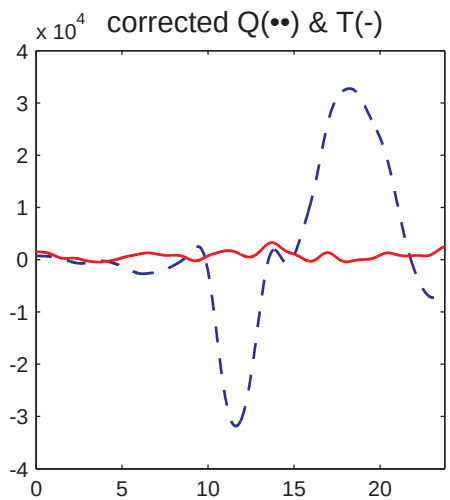


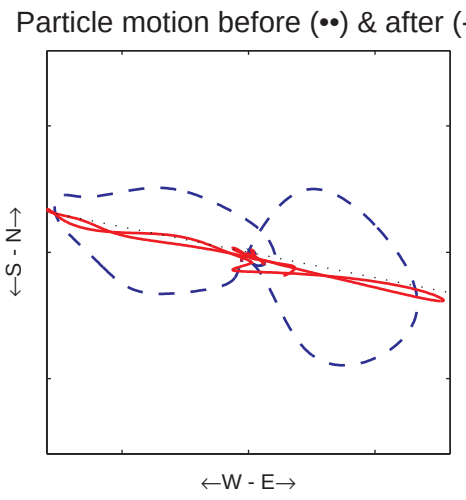


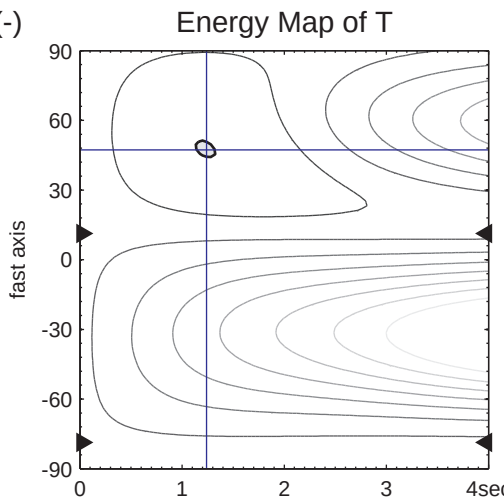


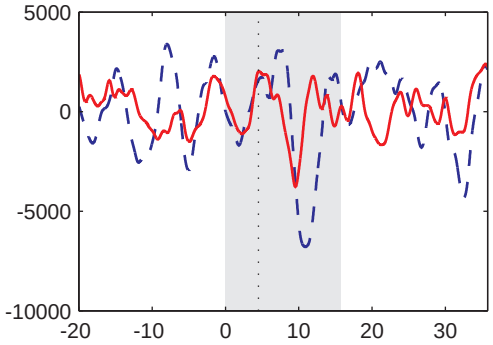








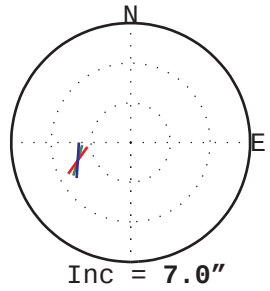


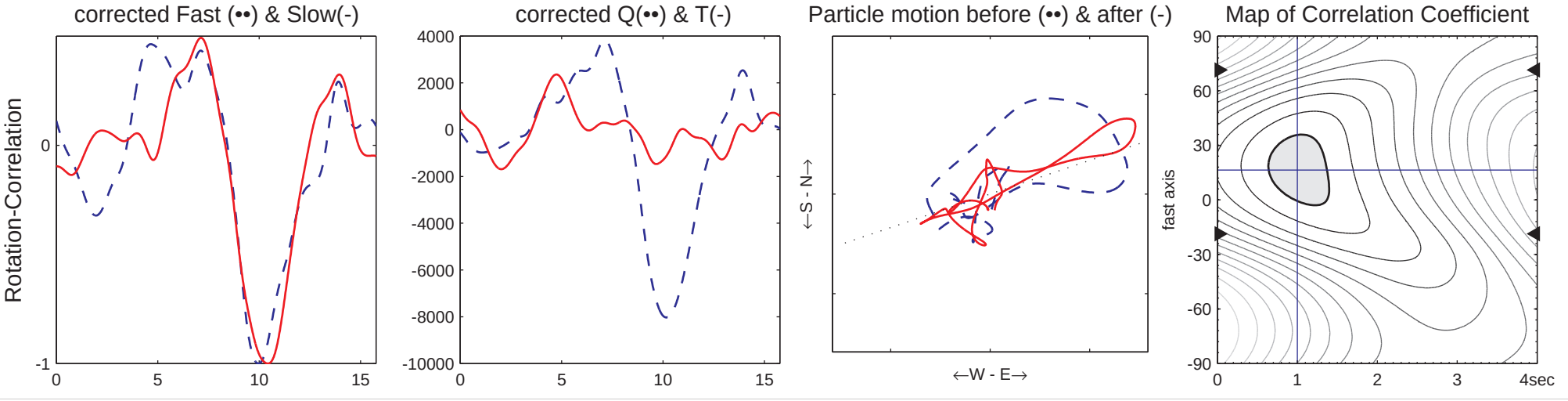


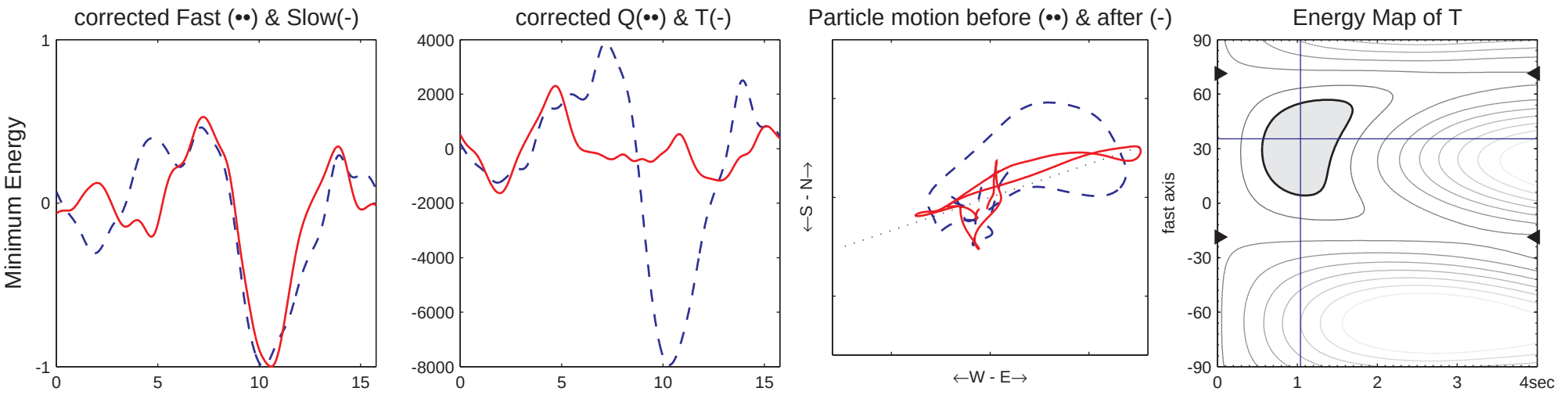
Event: **01-Jan-2011 (001) 09:56 -26.80N -63.14E 576km Mw=7.0**
Station: **AUMIH** Backazimuth: **251.4”** Distance: **110.13”**
init.Pol.: **59.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

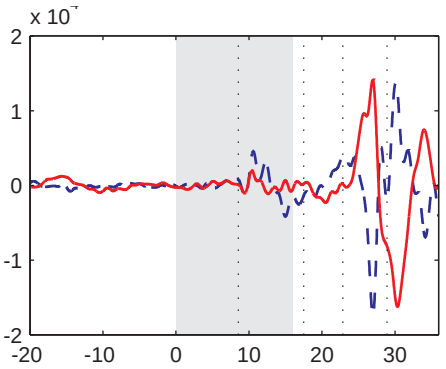
Rotation Correlation:	-3<	16° <	36	0.6<1.0s<1.4
Minimum Energy:	5<	35° <	58	0.6<1.0s<1.7
Eigenvalue:	-33<	3° <	54	0.6<1.1s<2.4

Quality: **fair** IsNull: **No** Phase: **SKS**





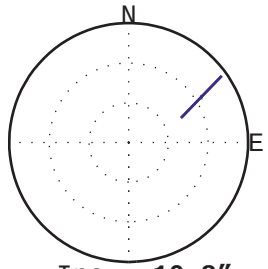




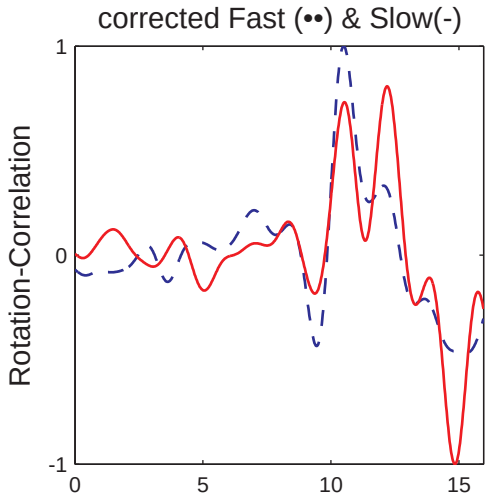
Event: **12-Jan-2011 (012) 21:32 26.97N 139.88E 512km Mw=6.4**
Station: **AUMIH** Backazimuth: **58.0”** Distance: **85.71”**
init.Pol.: **239.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.1**

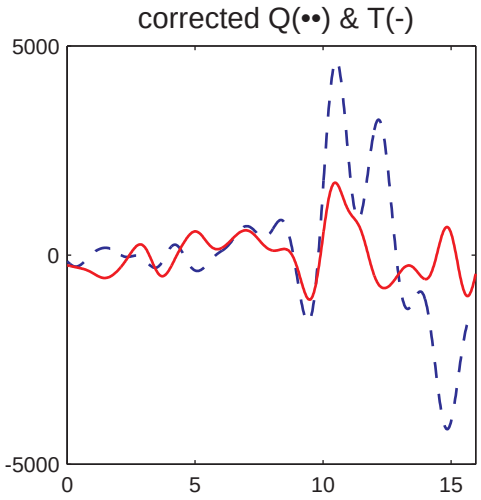
Rotation Correlation:	-1<	4° <	10	0.1<0.1s<0.2
Minimum Energy:	39<	44° <	48	1.6<1.8s<2.0
Eigenvalue:	39<	44° <	50	1.7<1.8s<2.0

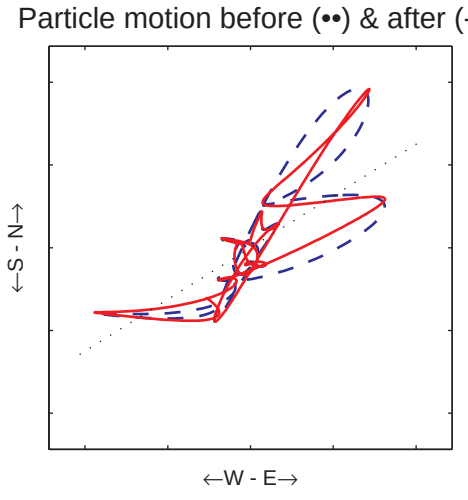
Quality: **good** IsNull: **Yes** Phase: **SKS**

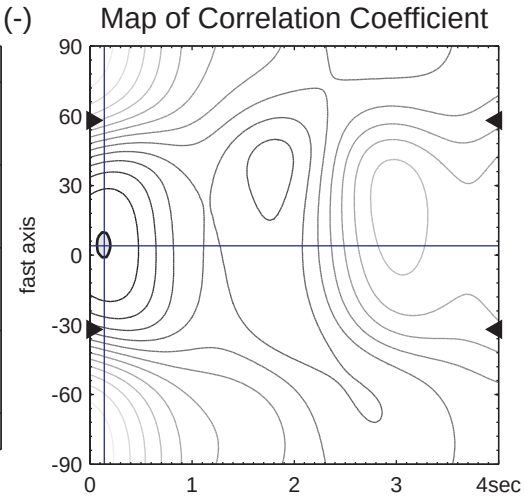


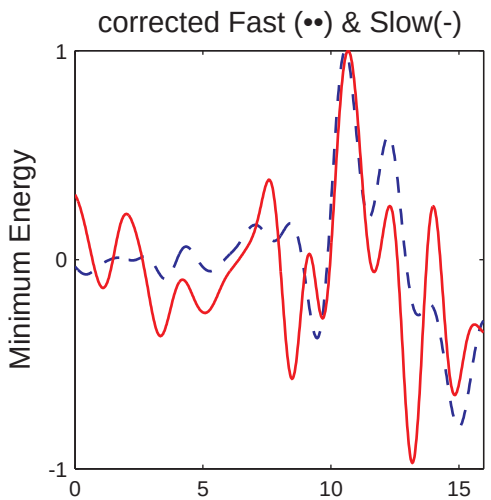
Inc = **10.8”**

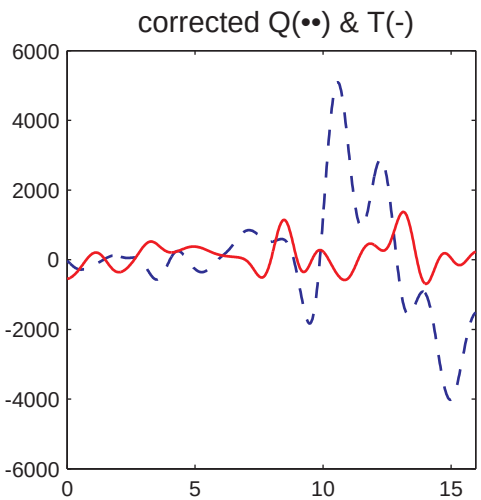


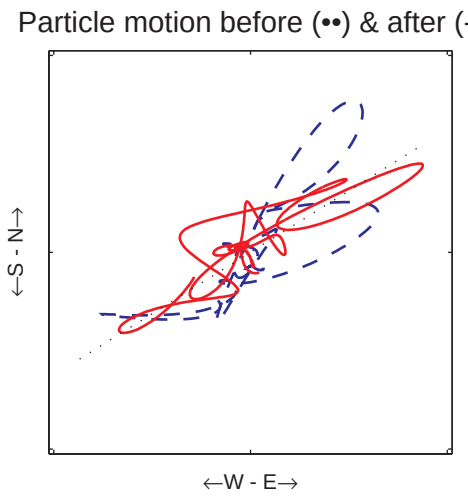


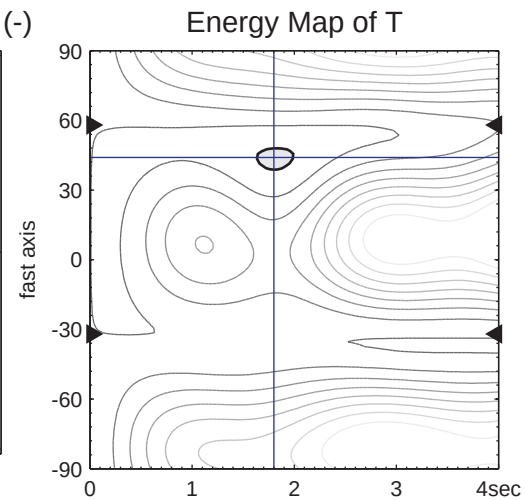


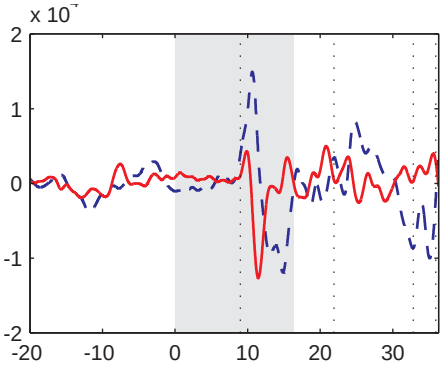








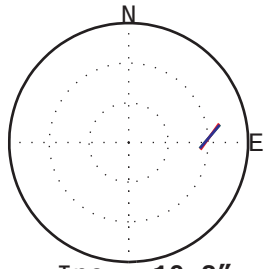




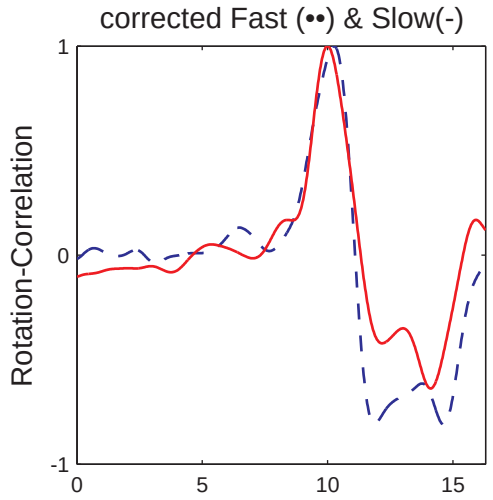
Event: **10-Feb-2011 (041) 14:41 4.08N 123.04E 525km Mw=6.6**
Station: **AUMIH** Backazimuth: **85.9”** Distance: **88.58”**
init.Pol.: **269.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

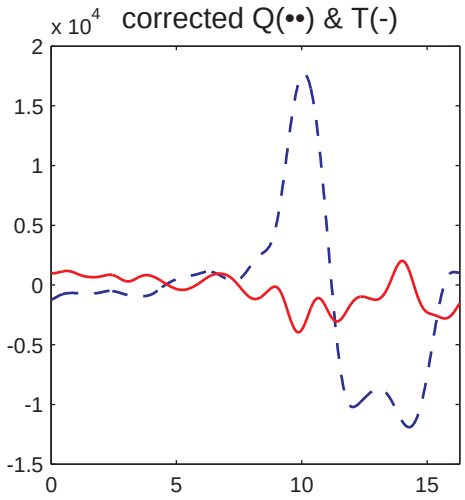
Rotation Correlation:	35<	41° <	50	0.9<1.0s<1.1
Minimum Energy:	27<	36° <	43	0.8<1.0s<1.2
Eigenvalue:	27<	40° <	52	0.8<1.0s<1.2

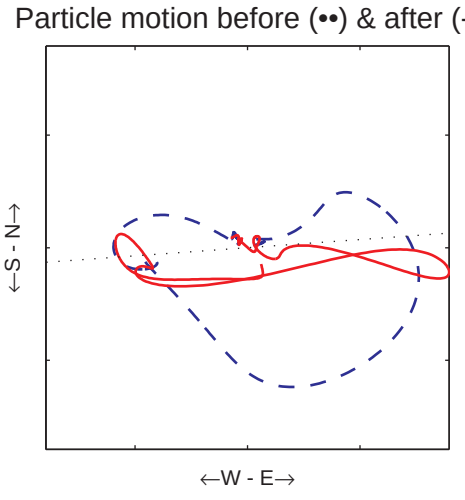
Quality: **good** IsNull: **No** Phase: **SKS**

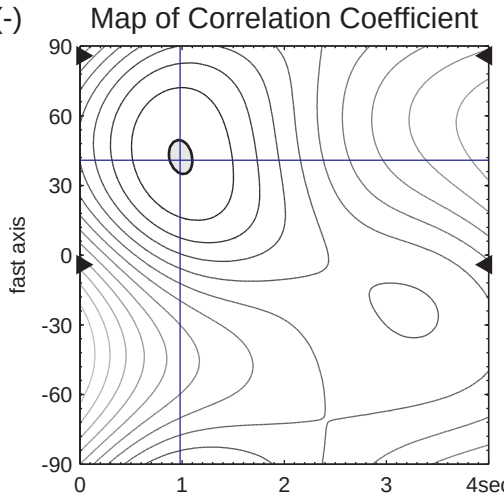


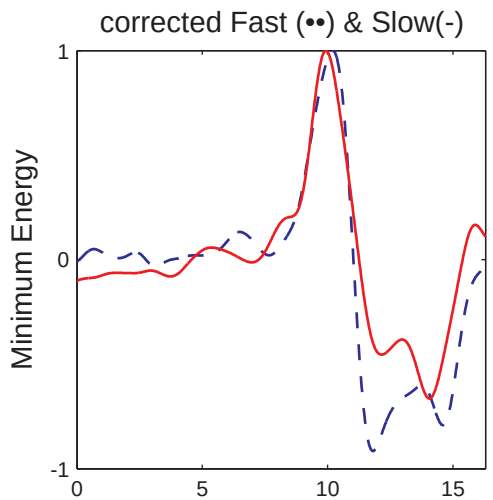
Inc = **10.2”**

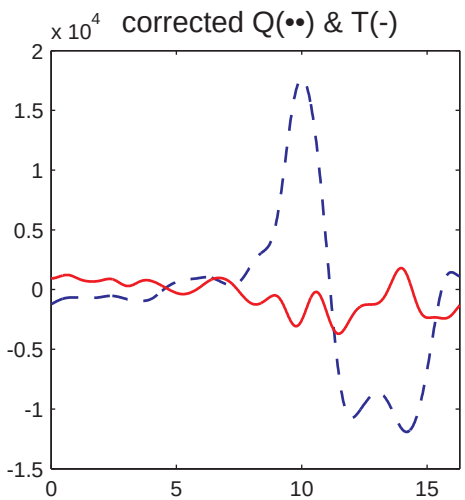


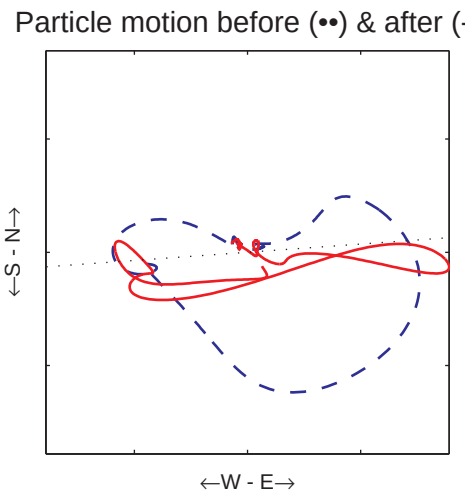


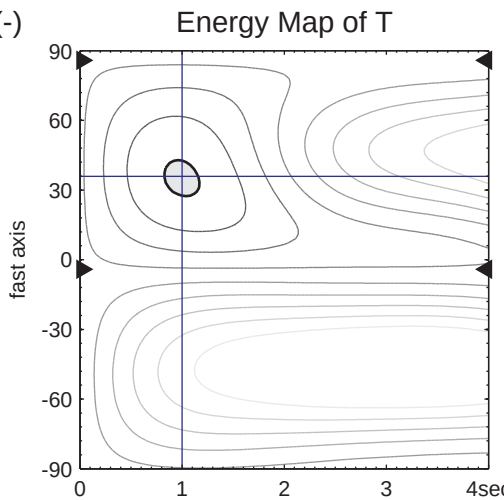


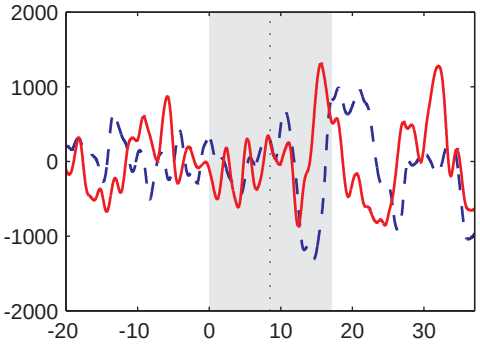








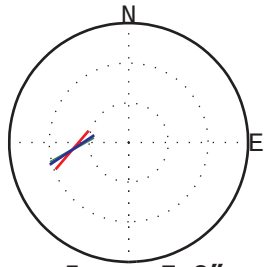


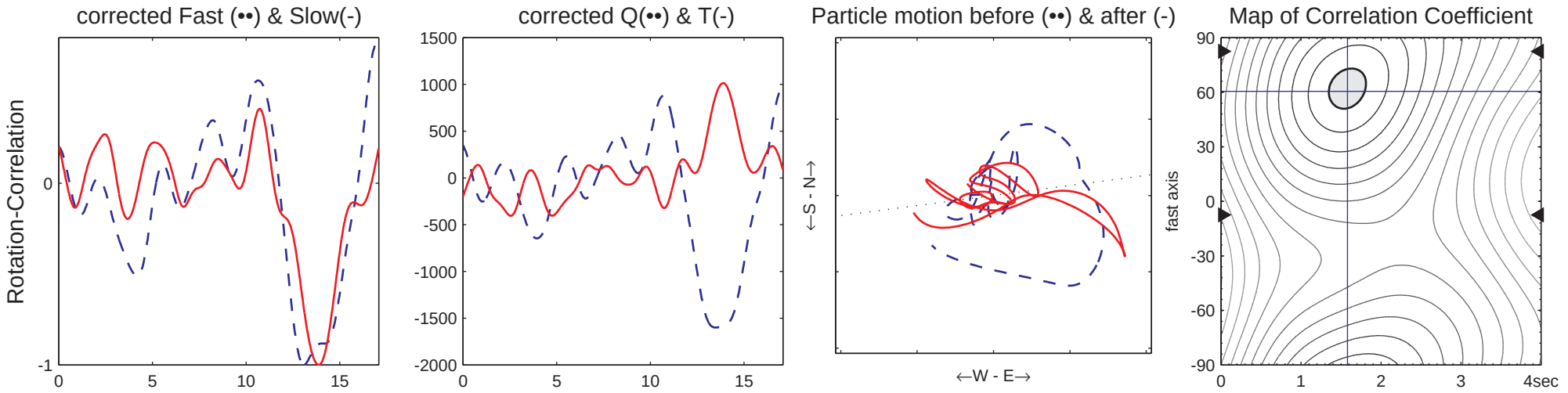


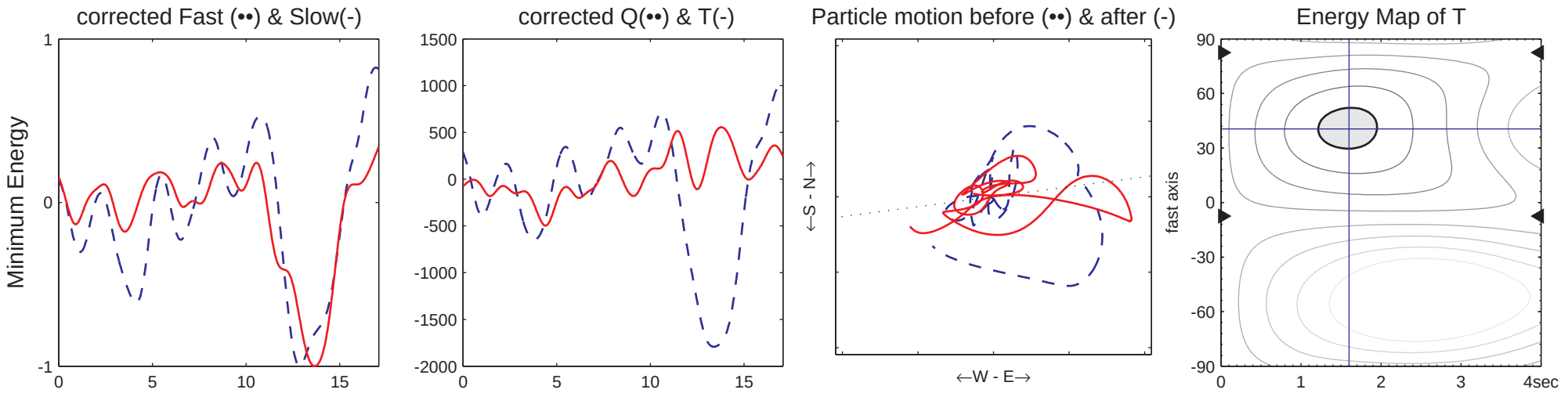
Event: **06-Mar-2011 (065) 12:31 -18.02N -69.36E 118km** Mw=**6.3**
Station: **AUMIH** Backazimuth: **262.5”** Distance: **109.61”**
init.Pol.: **99.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

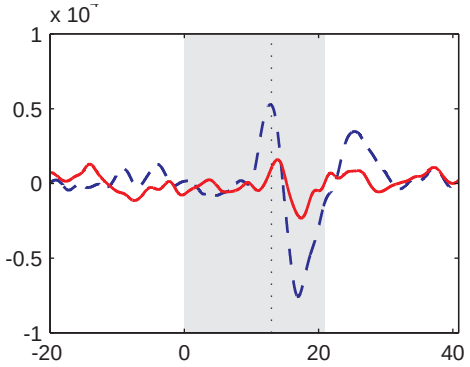
Rotation Correlation:	51<	61° <	73	1.4<1.6s<1.8
Minimum Energy:	29<	41° <	52	1.2<1.6s<2.0
Eigenvalue:	35<	57° <	-90	1.3<1.7s<2.3

Quality: **fair** IsNull: **No** Phase: **SKS**





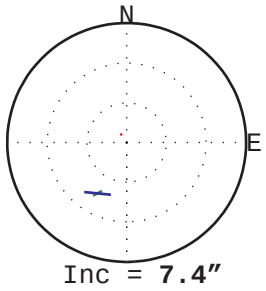


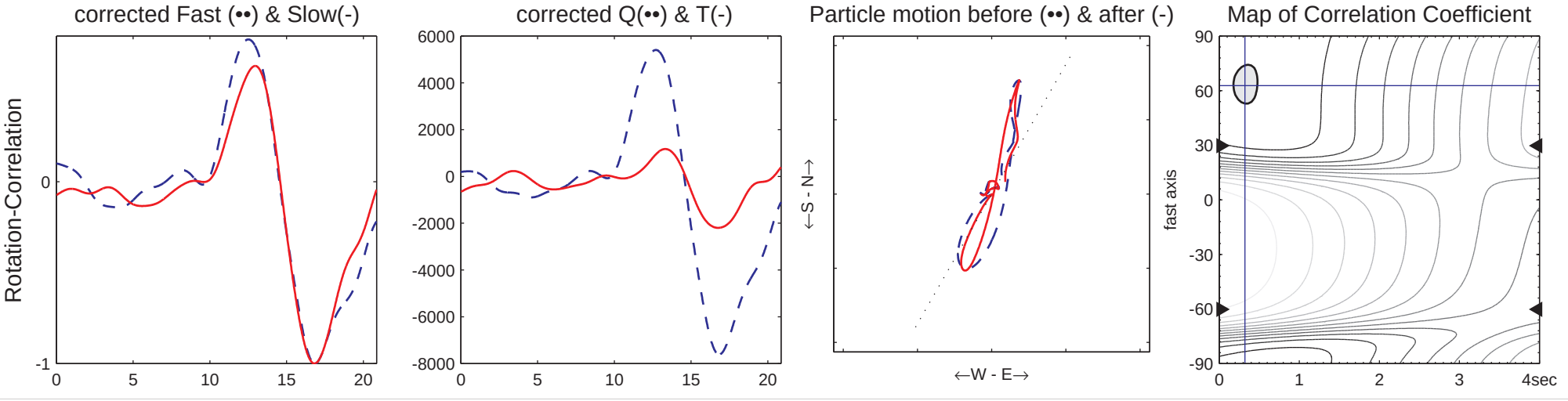


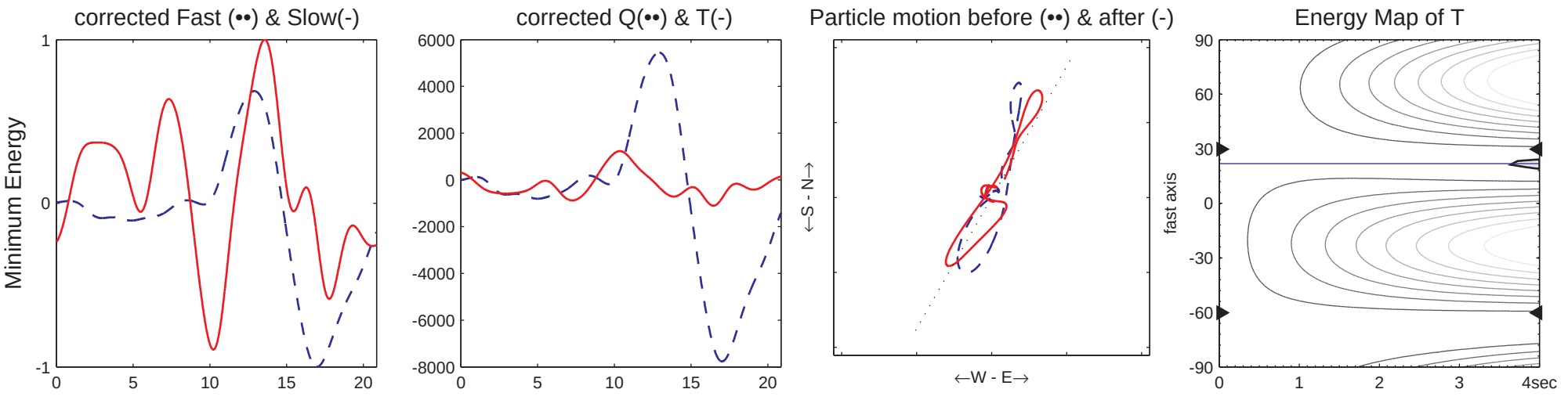
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **AUMIH** Backazimuth: **209.8”** Distance: **108.21”**
init.Pol.: **19.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

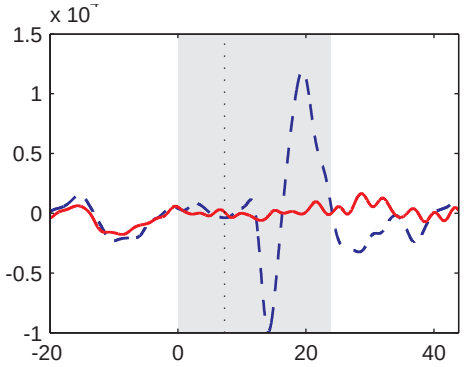
Rotation Correlation:	53<	63° <	74	0.2<0.3s<0.5
Minimum Energy:	19<	22° <	23	3.6<4.0s<4.0
Eigenvalue:	41<	-84° <	-78	0.2<0.8s<1.9

Quality: **good** IsNull: **Yes** Phase: **SKS**





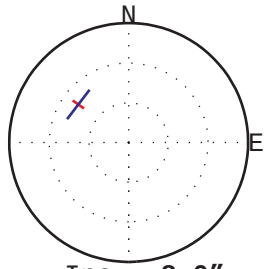


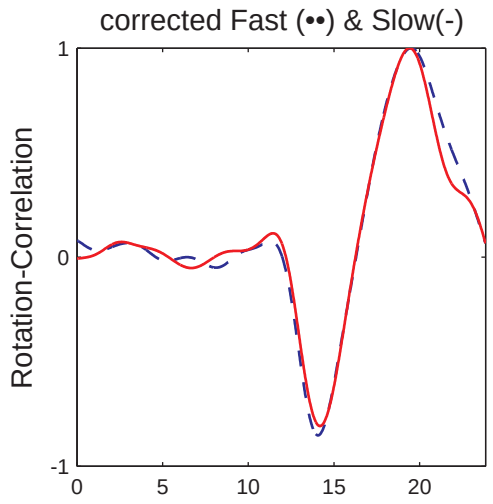


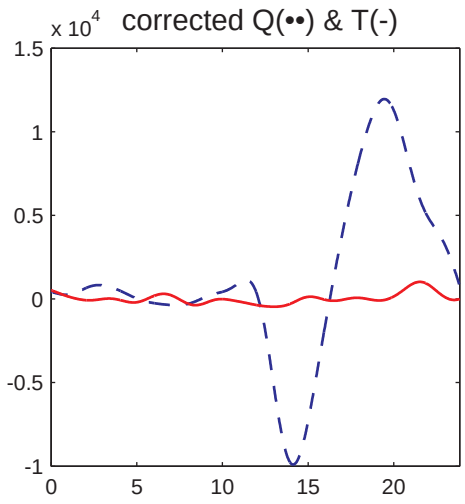
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **AUMIH** Backazimuth: **307.1”** Distance: **103.85”**
init.Pol.: **125.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**19.2**

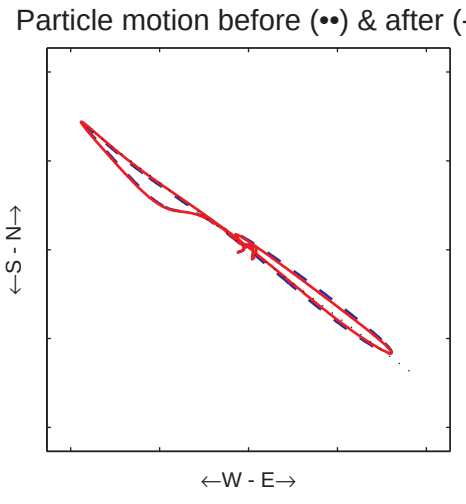
Rotation Correlation:	71<	81° < -90	0.0<0.0s<0.1
Minimum Energy:	-Inf<	-55° < Inf	0.0<0.4s<Inf
Eigenvalue:	-Inf<	37° < Inf	0.0<1.2s<Inf

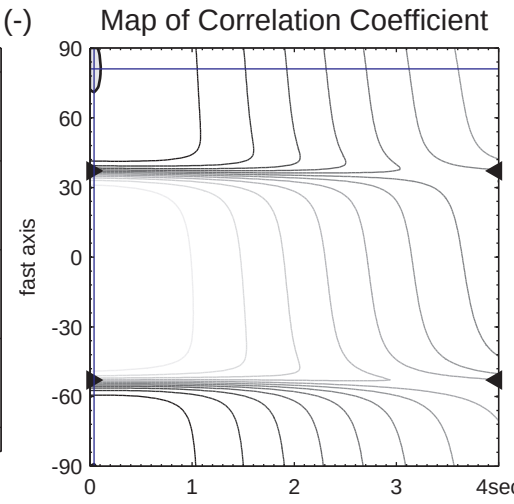
Quality: **good** IsNull: **Yes** Phase: **SKS**

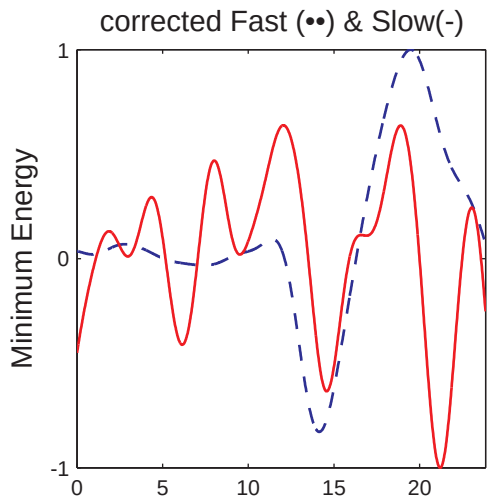


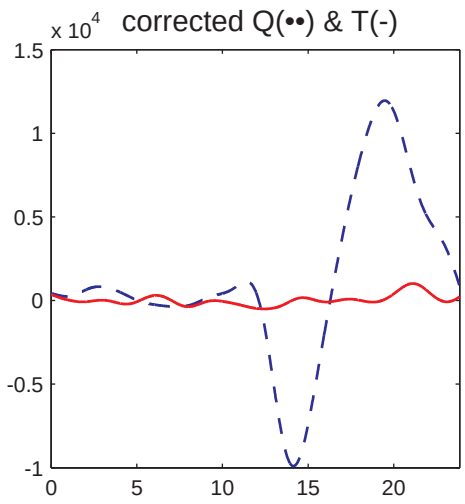


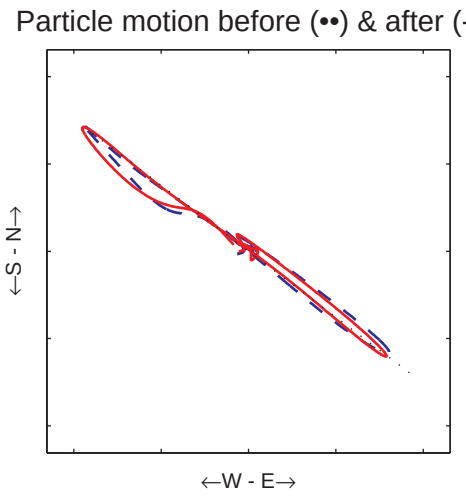


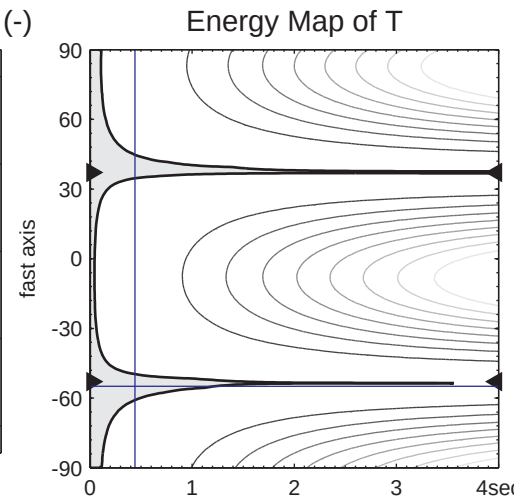


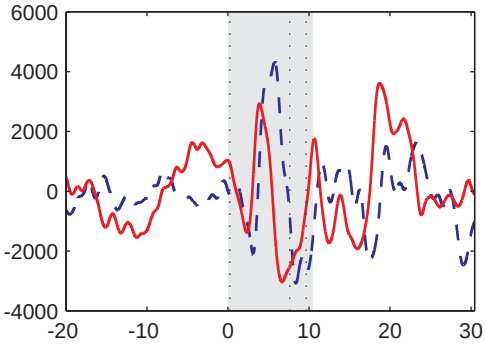








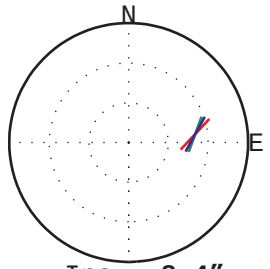


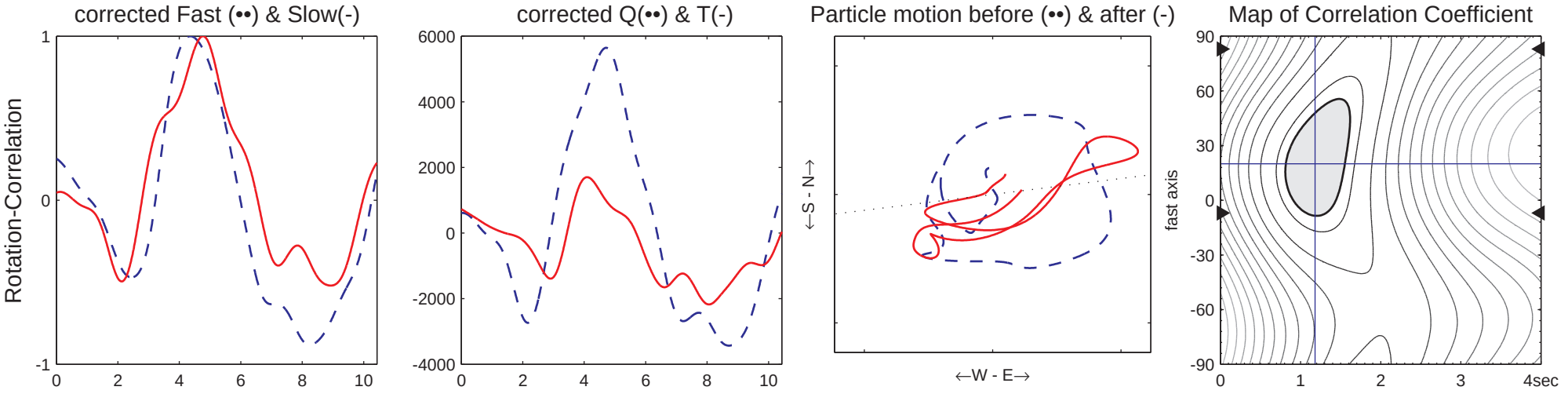


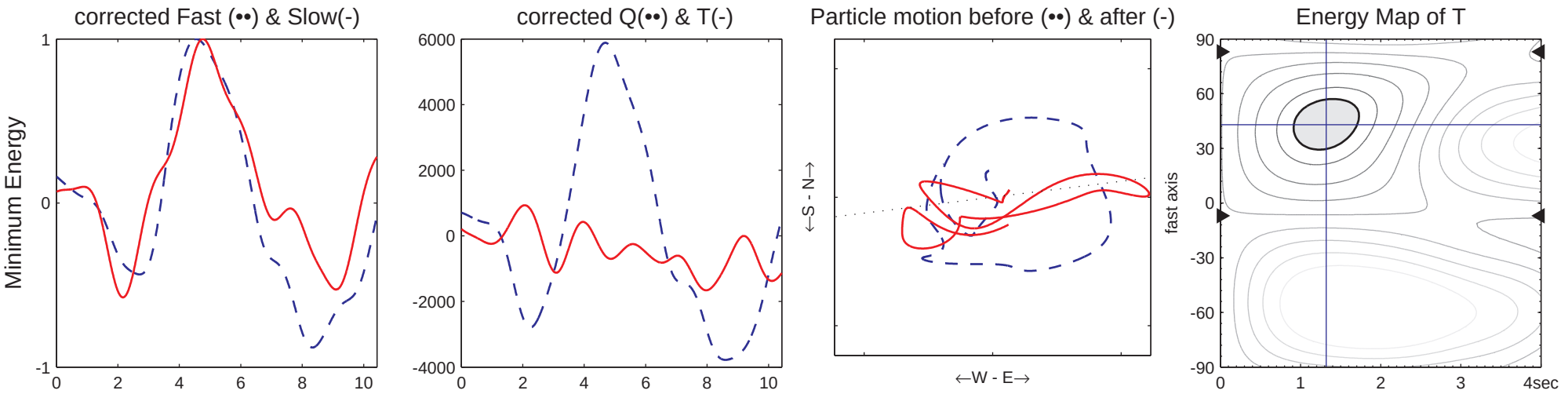
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **AUMIH** Backazimuth: **83.0”** Distance: **100.83”**
init.Pol.: **251.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.7**

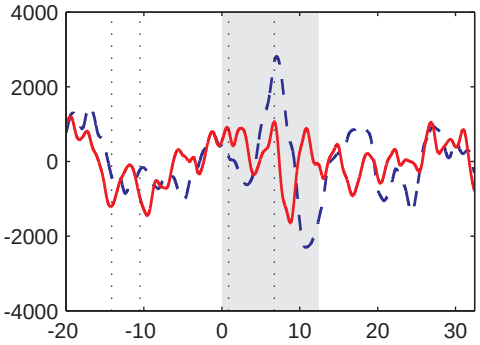
Rotation Correlation:	-9<	20° <	56	0.8<1.2s<1.6
Minimum Energy:	29<	43° <	58	0.9<1.3s<1.7
Eigenvalue:	-3<	29° <	58	0.9<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





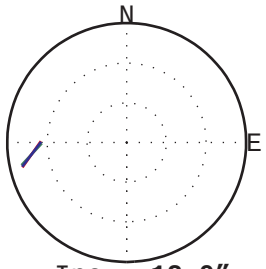




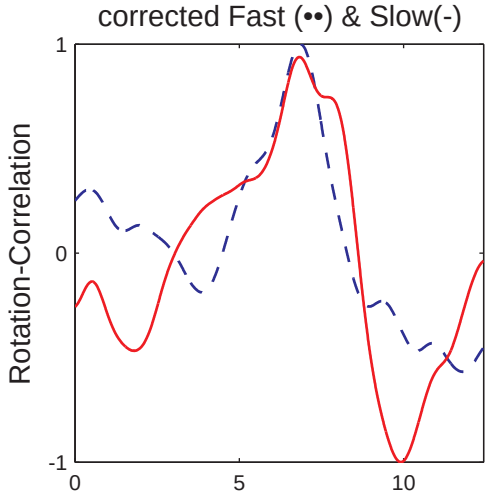
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **AUMIH** Backazimuth: **262.9”** Distance: **109.58”**
init.Pol.: **86.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.9**

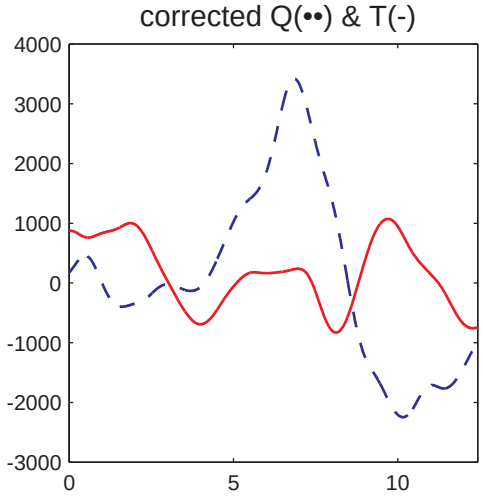
Rotation Correlation:	28<	43° <	60	0.4<0.9s<1.4
Minimum Energy:	-5<	35° <	-92	0.2<1.0s<4.0
Eigenvalue:	-90<	37° <	88	0.2<1.0s<3.9

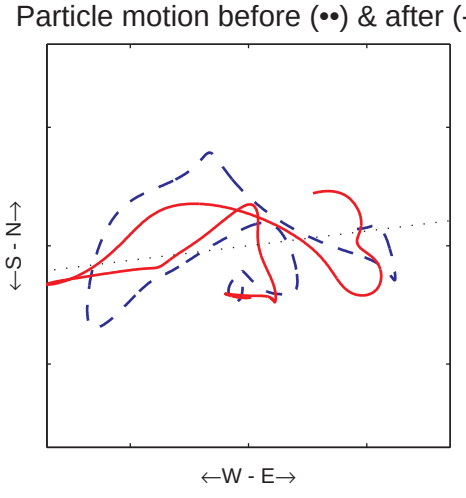
Quality: **fair** IsNull: **No** Phase: **SKKS**

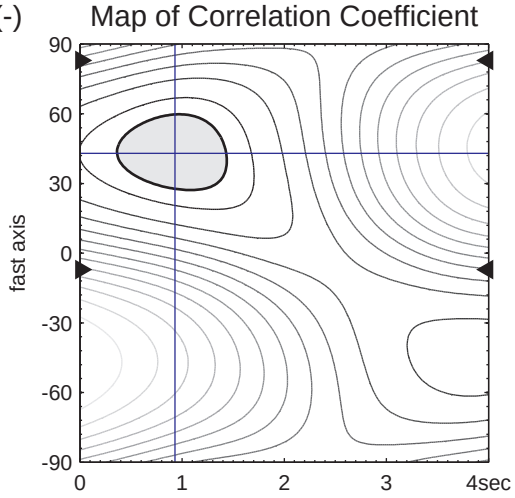


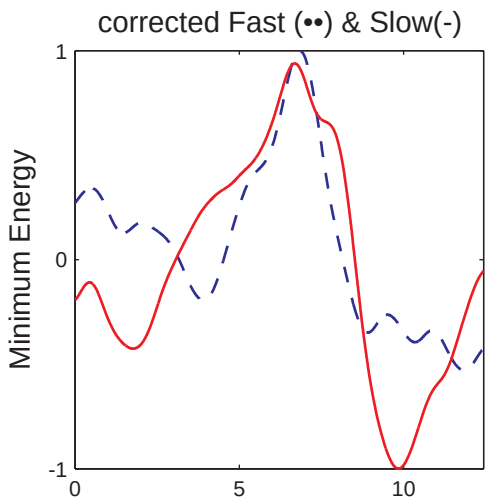
Inc = **12.0”**

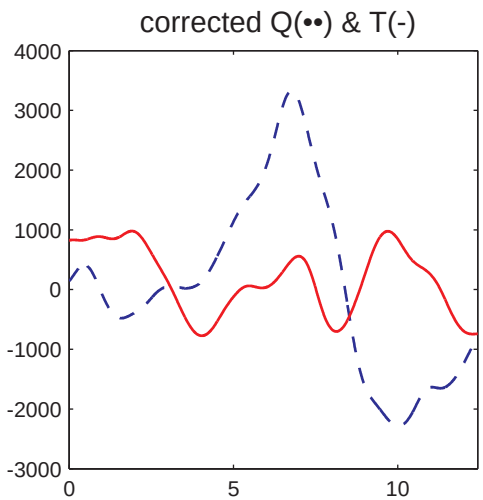


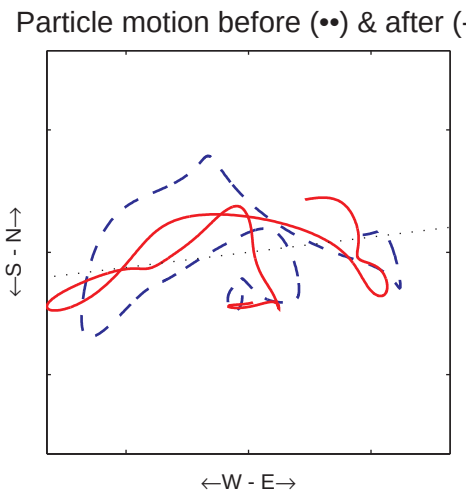


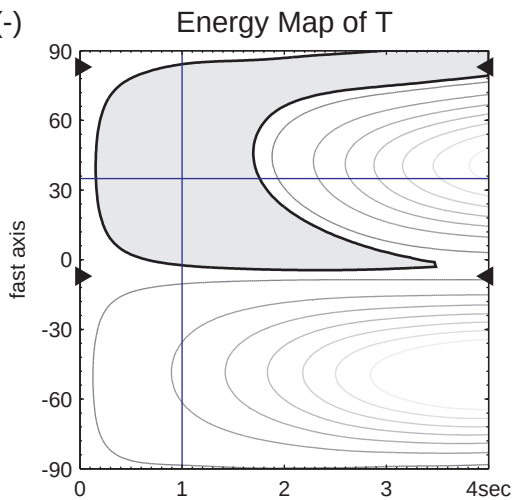


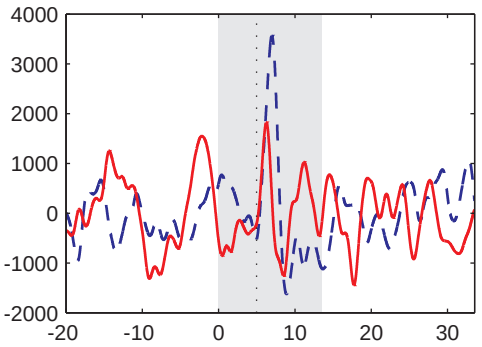








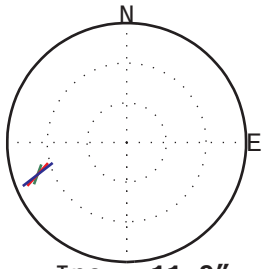




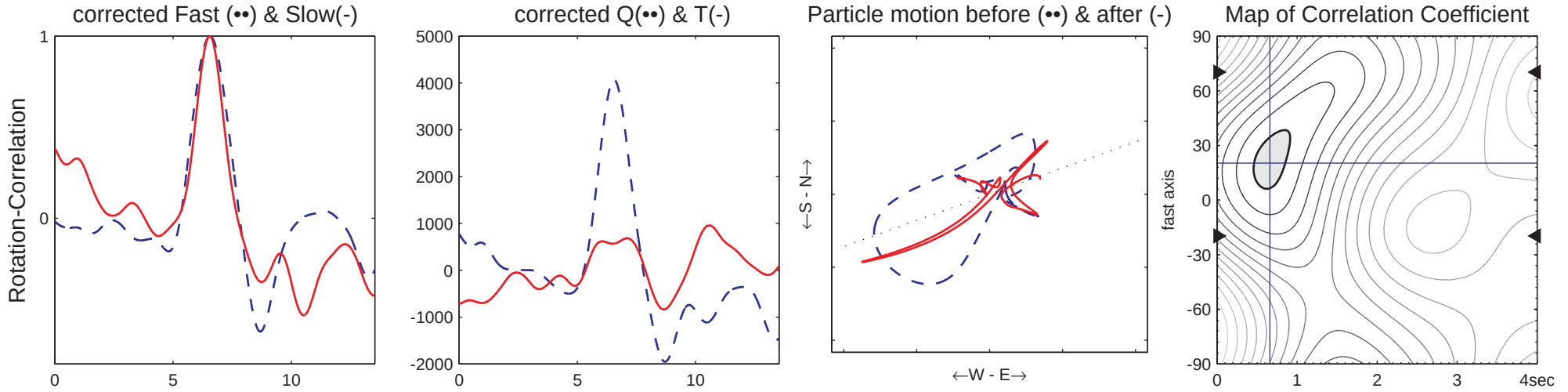
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km** Mw=**6.7**
Station: **AUMIH** Backazimuth: **250.3”** Distance: **110.82”**
init.Pol.: **78.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

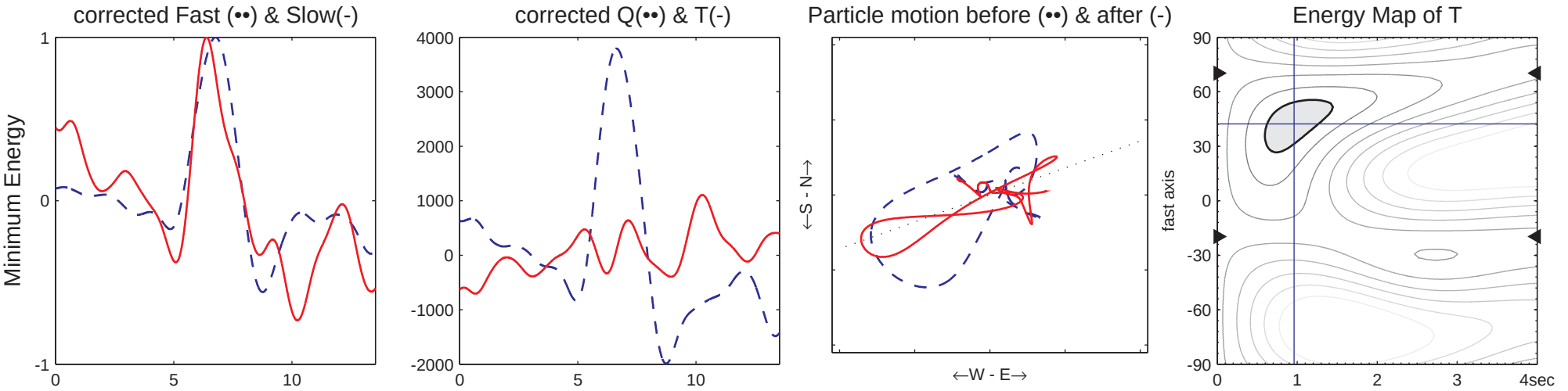
Rotation Correlation:	7<	20° <	39	0.5<0.7s<0.9
Minimum Energy:	27<	42° <	56	0.6<1.0s<1.4
Eigenvalue:	23<	52° <	70	0.6<1.2s<1.7

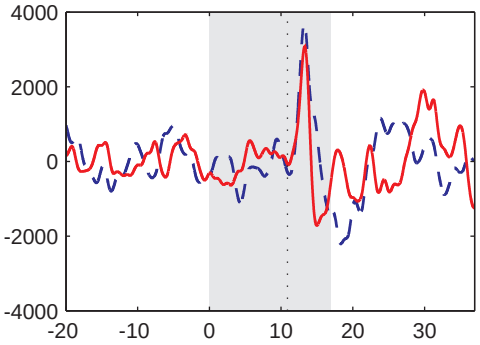
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.9”**



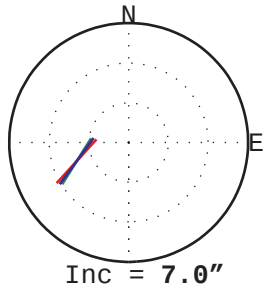


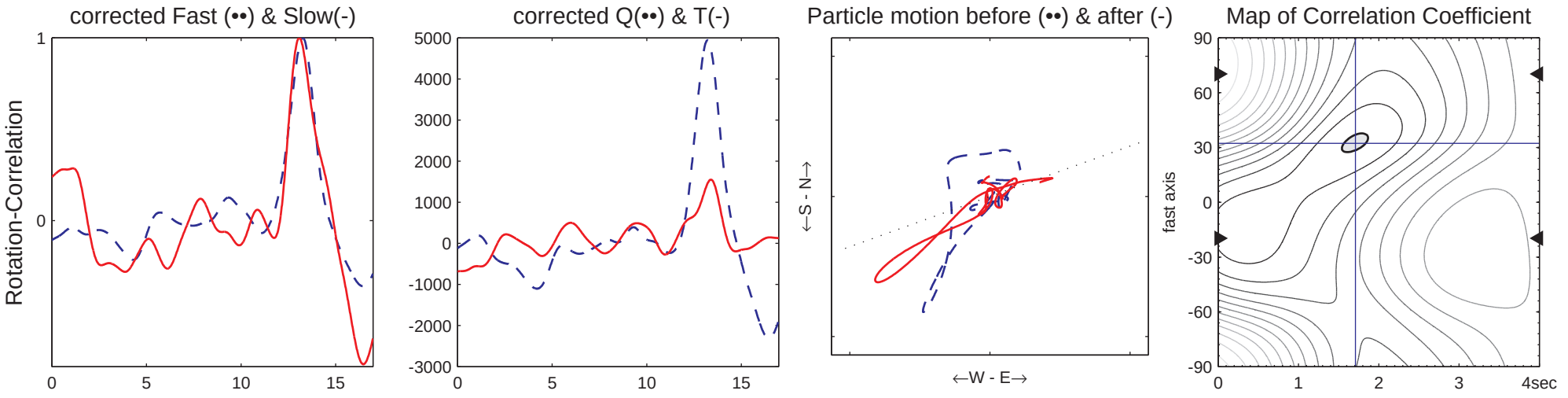


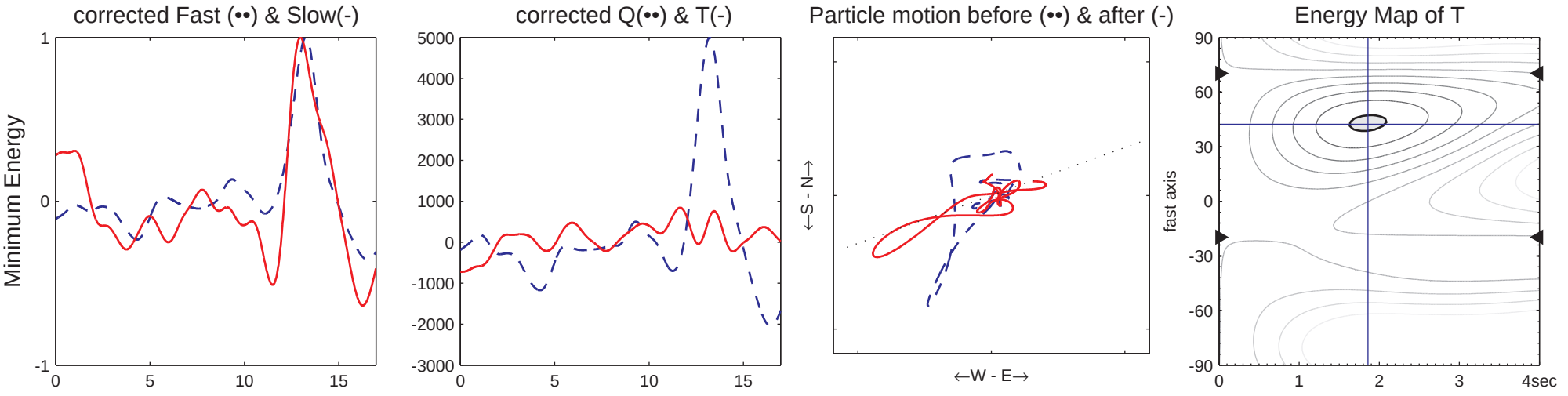
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **AUMIH** Backazimuth: **250.3”** Distance: **110.82”**
init.Pol.: **61.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.3**

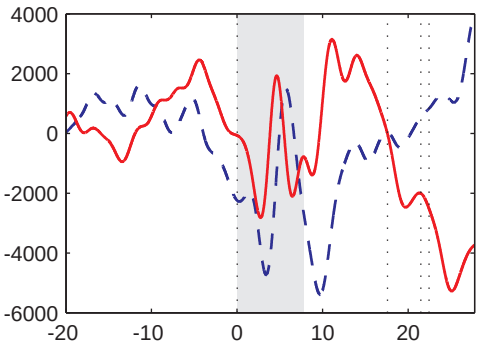
Rotation Correlation:	28<	32° <	38	1.5<1.7s<1.9
Minimum Energy:	39<	42° <	48	1.6<1.9s<2.1
Eigenvalue:	29<	36° <	43	1.5<1.8s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





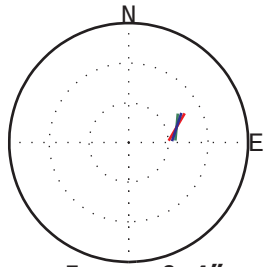


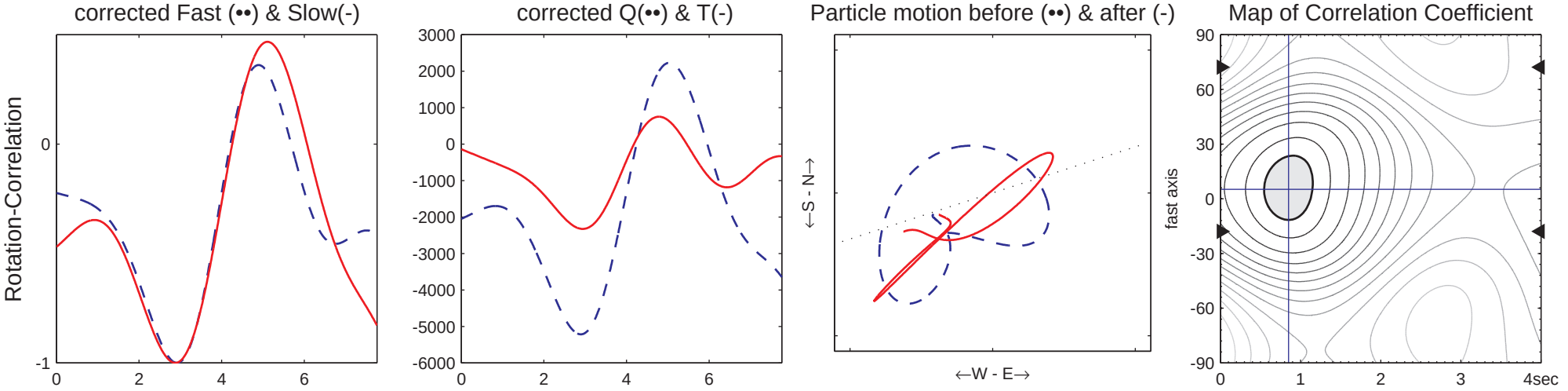


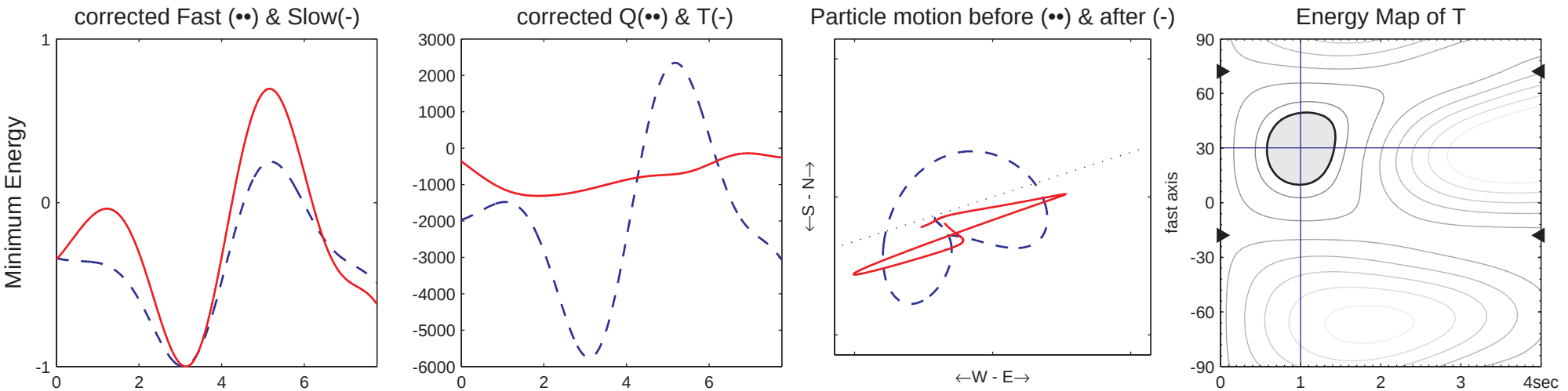
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **AUMIH** Backazimuth: **72.1”** Distance: **116.99”**
init.Pol.: **241.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

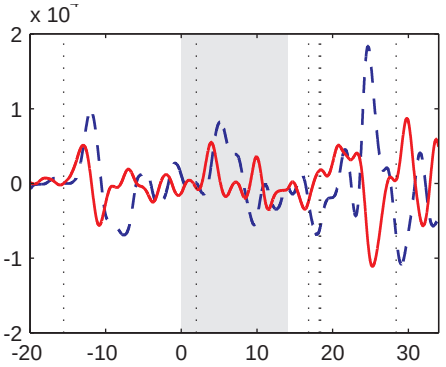
Rotation Correlation:	-12<	5° <	24	0.5<0.8s<1.2
Minimum Energy:	9<	30° <	50	0.6<1.0s<1.4
Eigenvalue:	5<	18° <	33	0.8<0.9s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





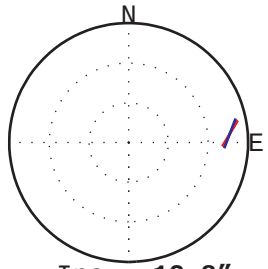




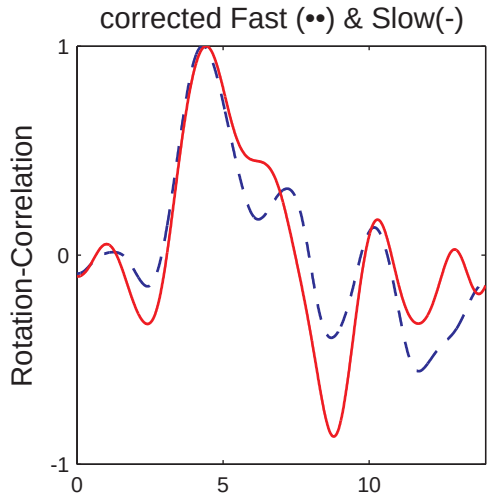
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **AUMIH** Backazimuth: **84.9”** Distance: **92.70”**
init.Pol.: **254.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

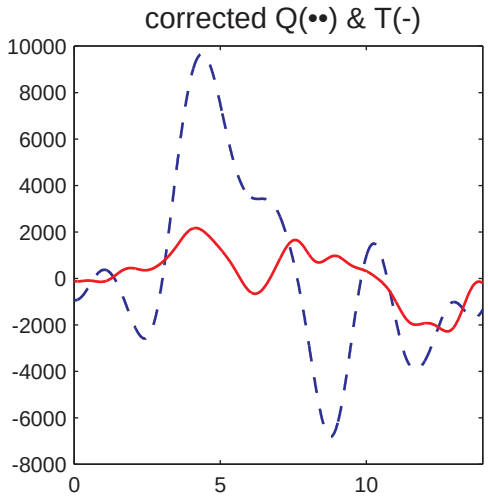
Rotation Correlation:	18<	25° <	34	0.8<1.0s<1.1
Minimum Energy:	21<	31° <	43	0.7<0.9s<1.2
Eigenvalue:	9<	21° <	35	0.8<1.0s<1.2

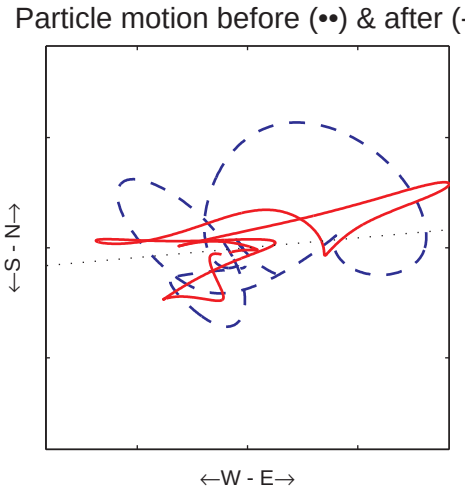
Quality: **good** IsNull: **No** Phase: **SKKS**

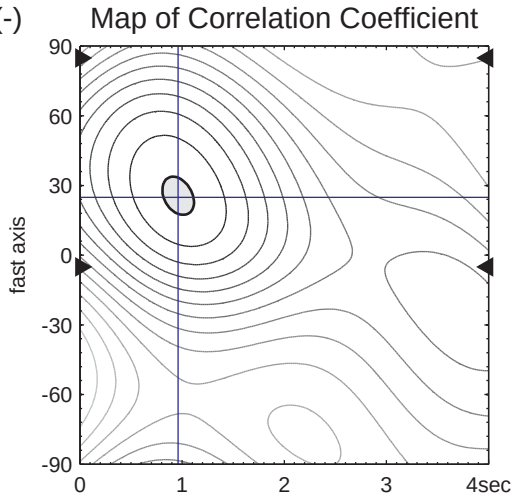


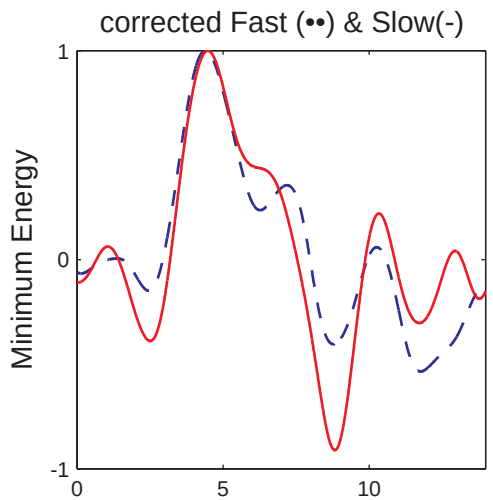
Inc = **12.8”**

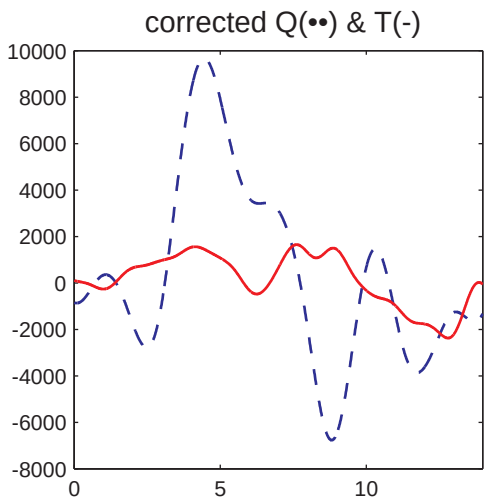


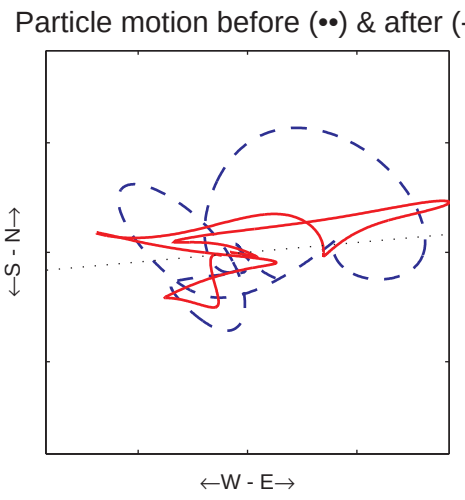


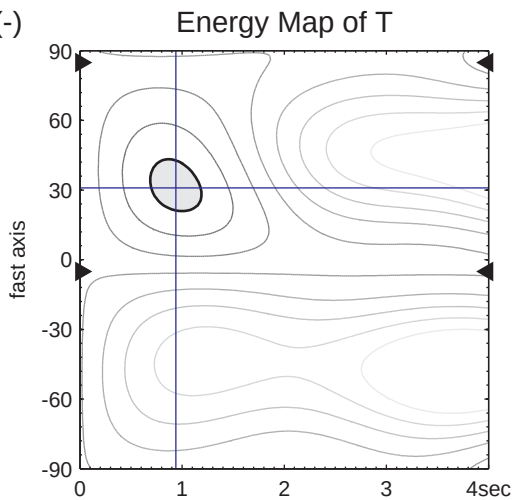


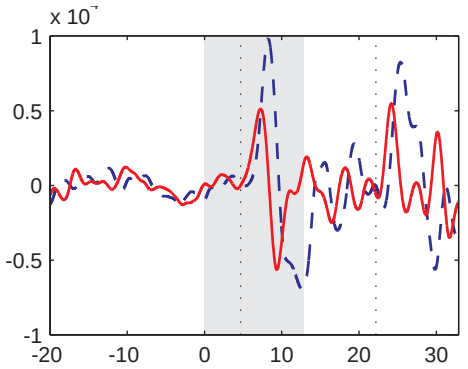








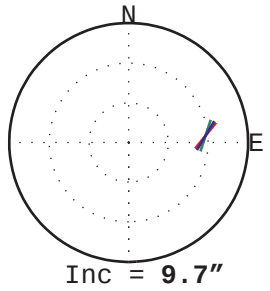


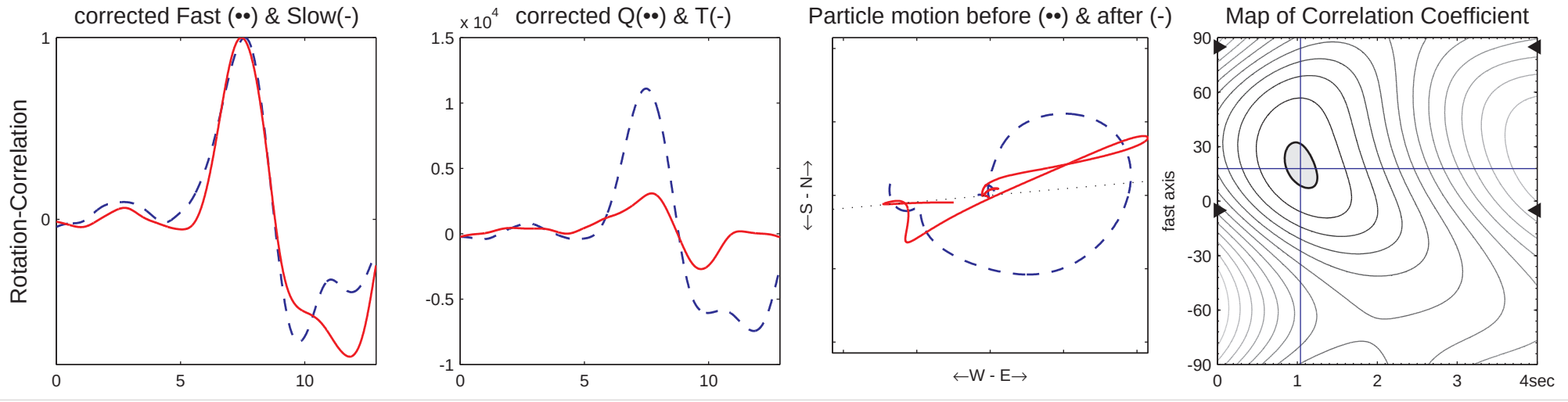


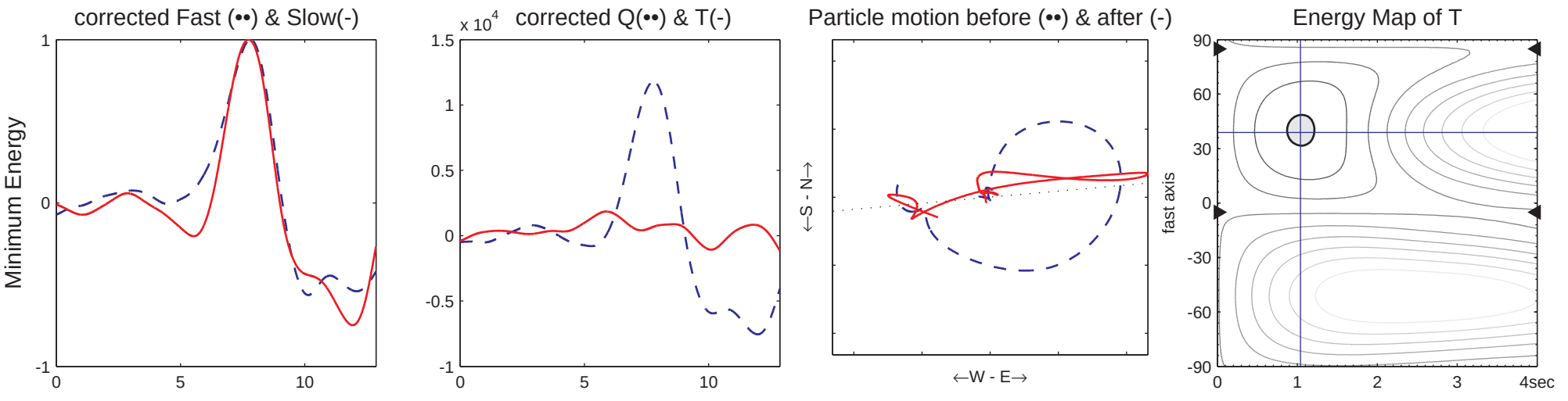
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **AUMIH** Backazimuth: **84.9”** Distance: **92.70”**
init.Pol.: **258.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.3**

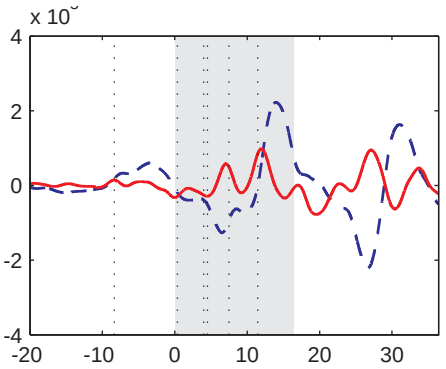
Rotation Correlation:	8<	18° <	33	0.8<1.0s<1.3
Minimum Energy:	31<	39° <	48	0.9<1.0s<1.2
Eigenvalue:	21<	31° <	41	0.9<1.1s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





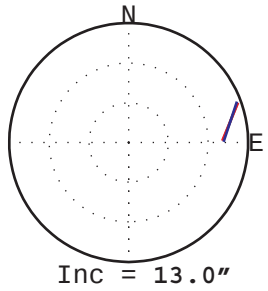


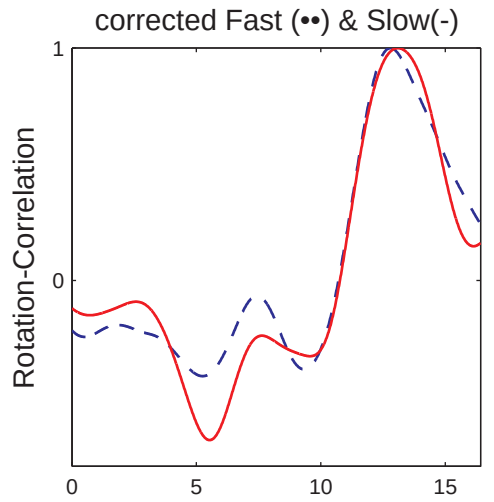


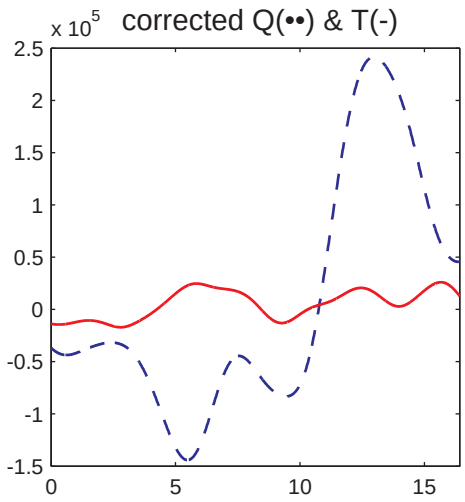
Event: **31-Aug-2012 (244) 12:47 10.81N 126.64E 28km Mw=7.6**
Station: **AUMIH** Backazimuth: **78.4”** Distance: **86.99”**
init.Pol.: **255.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.8**

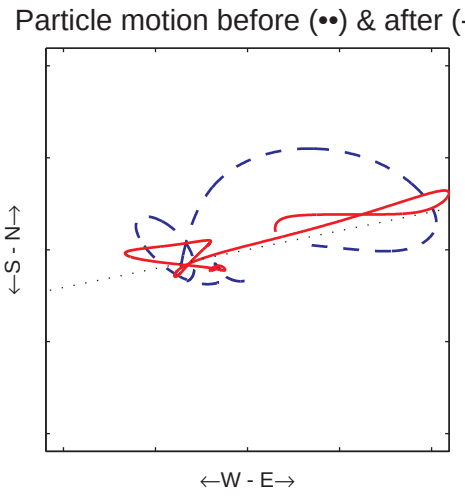
Rotation Correlation:	9<	21° <	41	0.8<1.2s<1.7
Minimum Energy:	13<	22° <	37	0.9<1.3s<1.6
Eigenvalue:	9<	18° <	35	1.0<1.3s<1.7

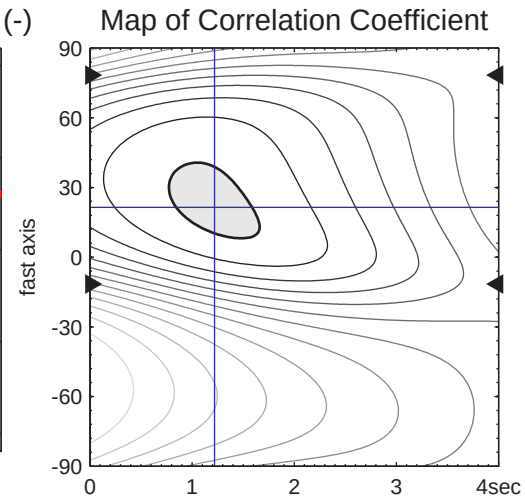
Quality: **fair** IsNull: **No** Phase: **SKKS**

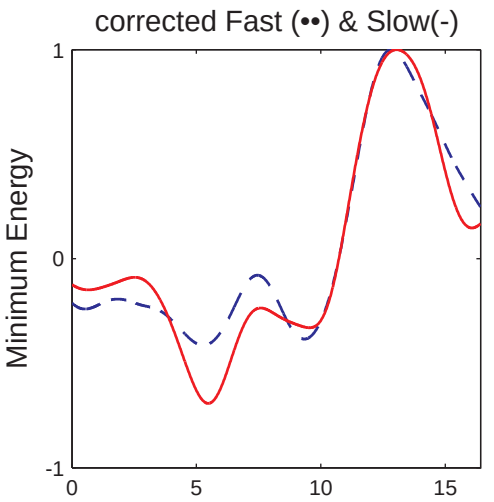


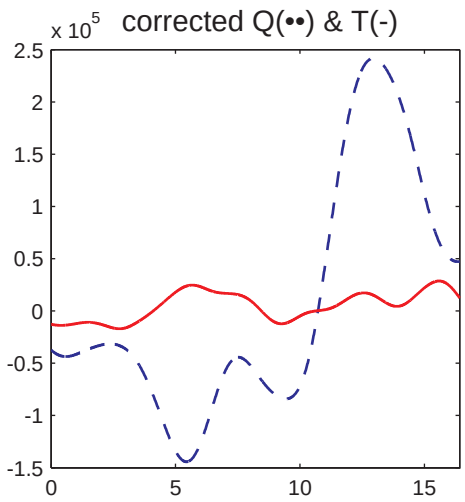


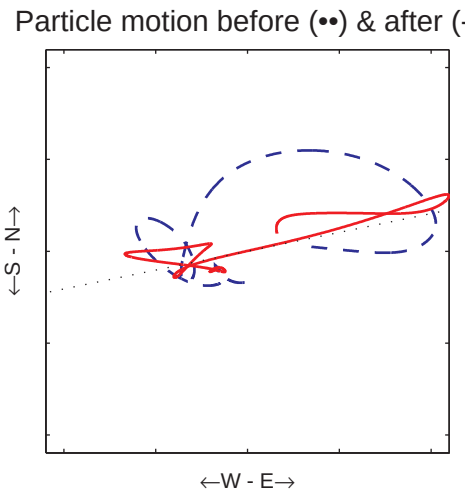


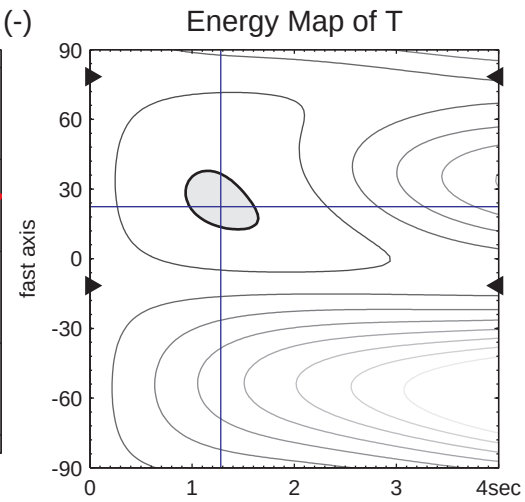


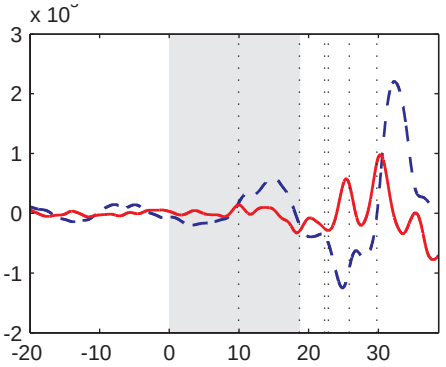








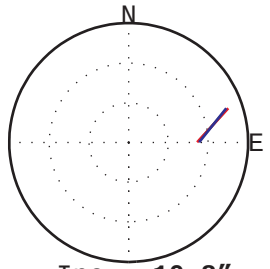




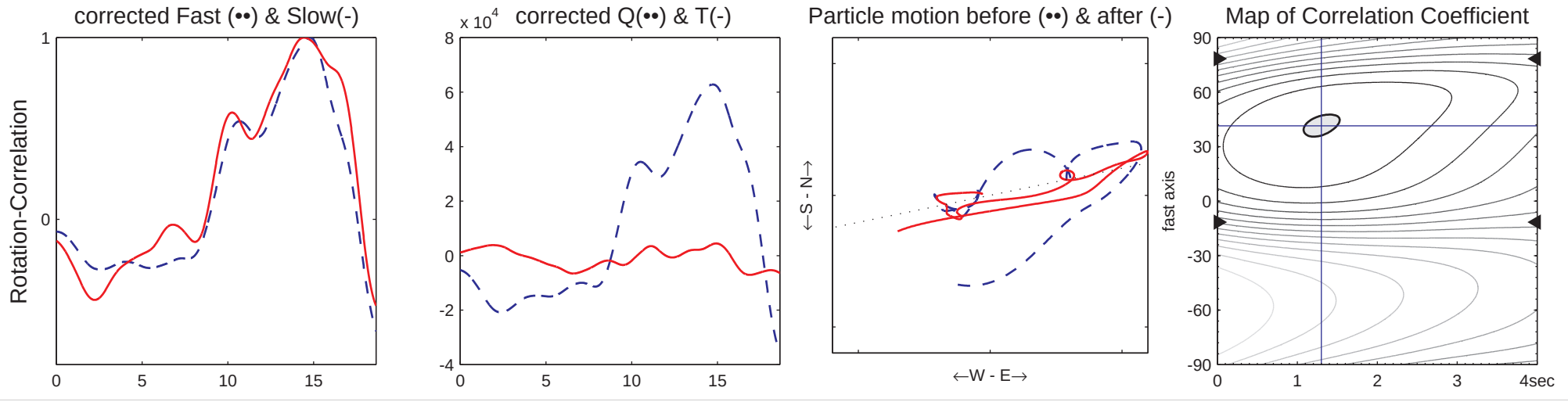
Event: **31-Aug-2012 (244) 12:47 10.81N 126.64E 28km Mw=7.6**
Station: **AUMIH** Backazimuth: **78.4”** Distance: **86.99”**
init.Pol.: **255.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.2**

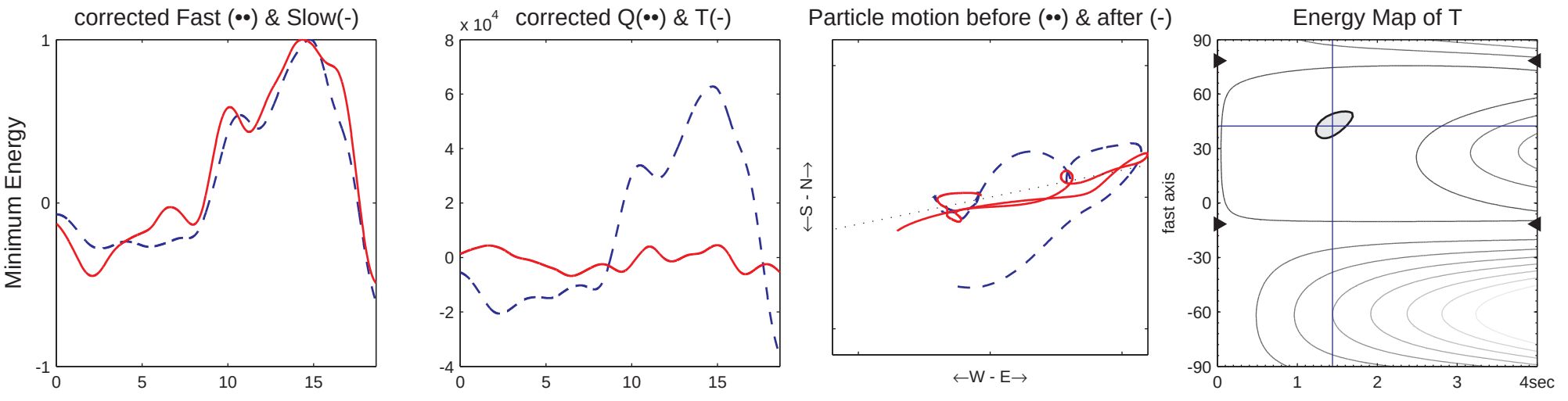
Rotation Correlation:	36<	41° <	48	1.1<1.3s<1.5
Minimum Energy:	35<	42° <	50	1.2<1.4s<1.7
Eigenvalue:	31<	38° <	48	1.2<1.4s<1.6

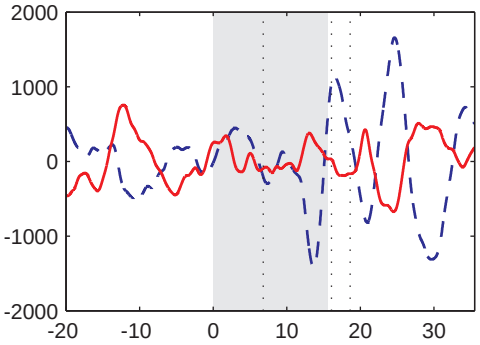
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



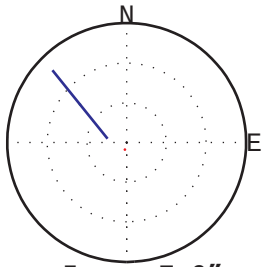




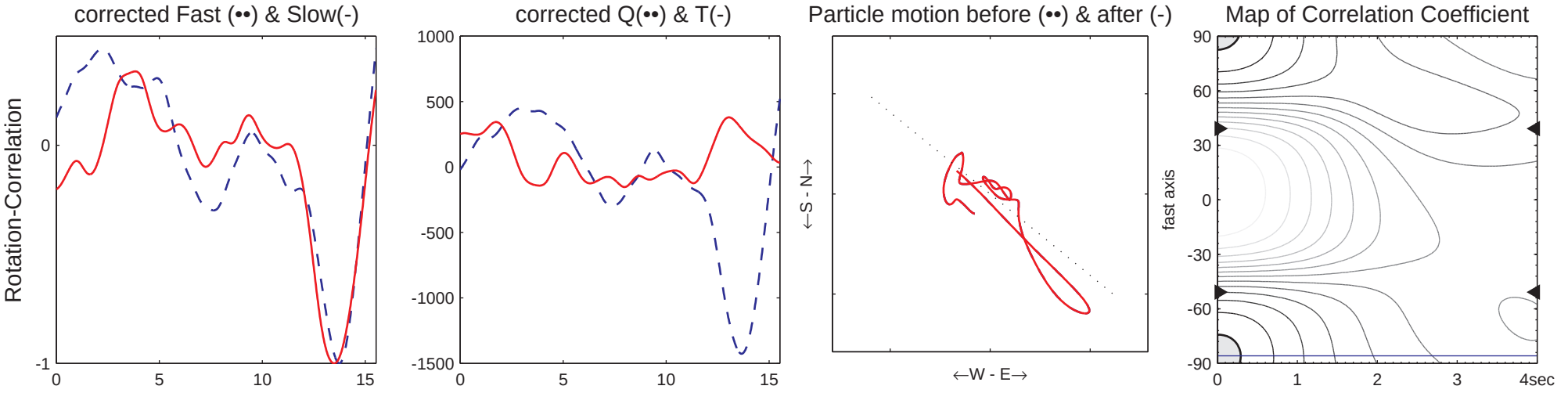
Event: **30-Jun-2010 (181) 07:22 16.40N -97.78E 20km Mw=6.3**
Station: **AUSIV** Backazimuth: **309.1”** Distance: **106.87”**
init.Pol.: **148.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.0**

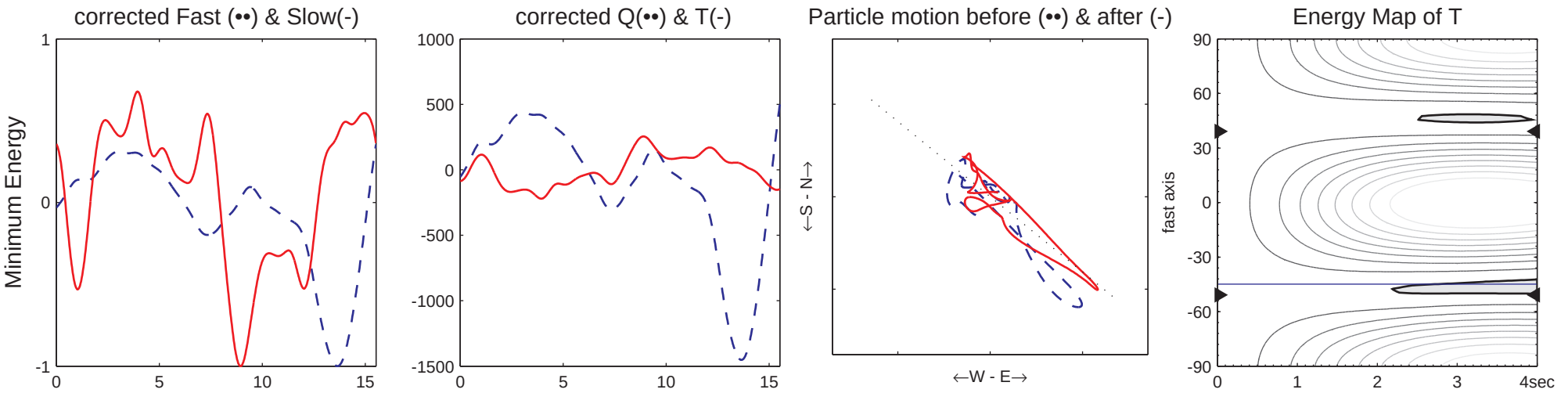
Rotation Correlation:	83<	-86° < -75	0.0<0.0s<0.3
Minimum Energy:	-52<	-45° < -43	2.2<4.0s<4.0
Eigenvalue:	-46<	-39° < -35	2.2<2.8s<3.5

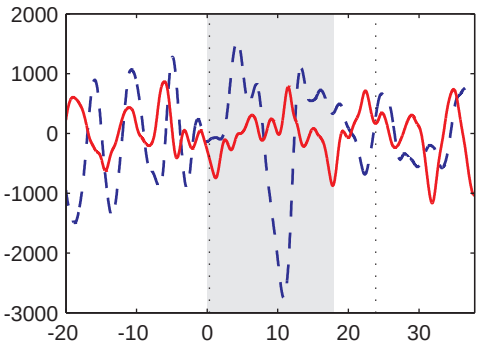
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.6”**



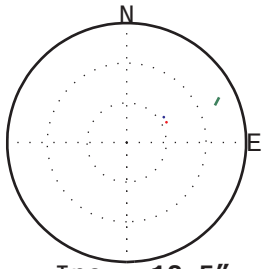




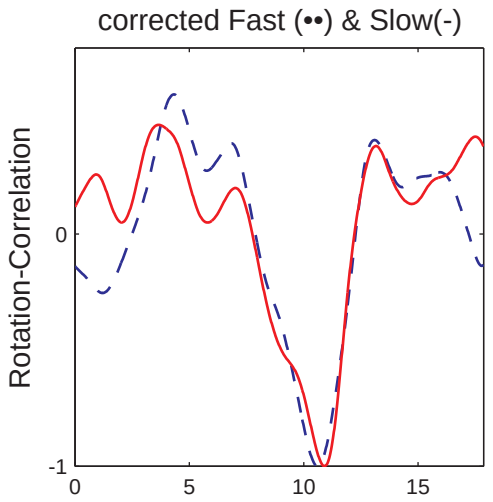
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **AUSIV** Backazimuth: **65.5”** Distance: **101.01”**
init.Pol.: **256.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.7**

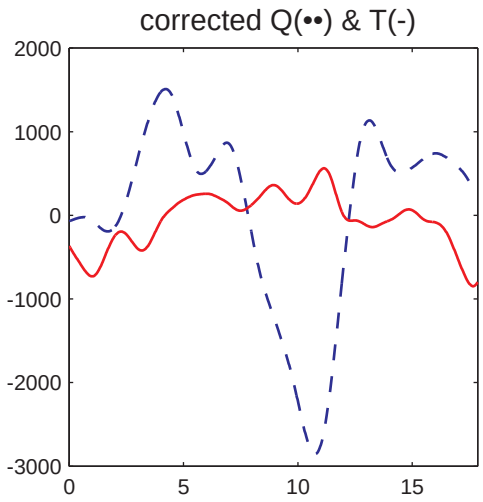
Rotation Correlation:	18<	27° <	37	0.1<0.3s<0.5
Minimum Energy:	64<	67° <	74	1.4<3.4s<4.0
Eigenvalue:	68<	73° <	82	1.3<3.5s<4.0

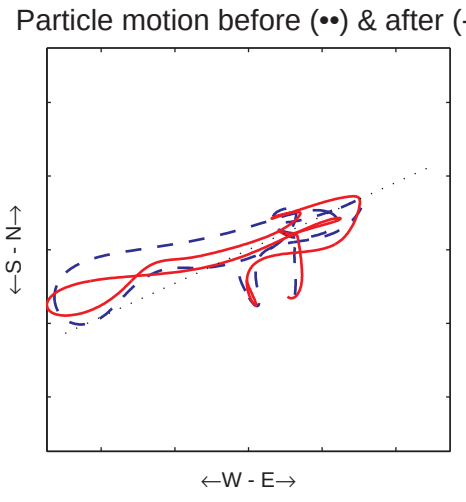
Quality: **good** IsNull: **Yes** Phase: **SKKS**

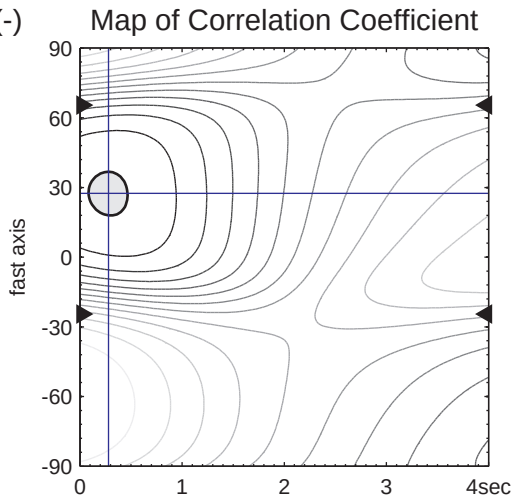


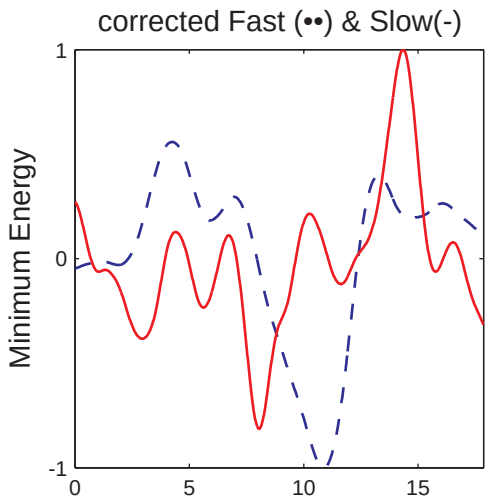
Inc = **12.5”**

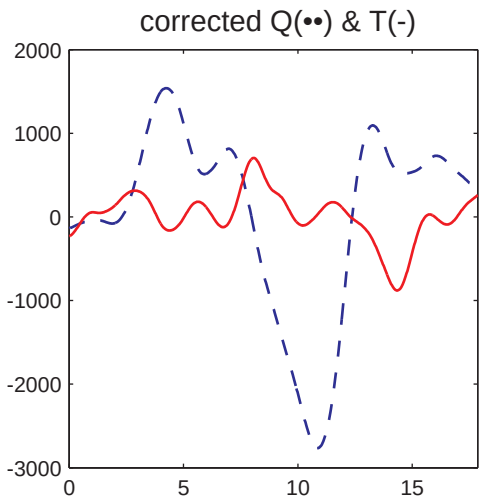


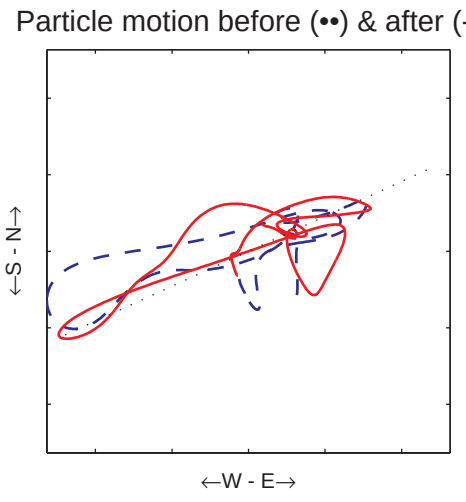


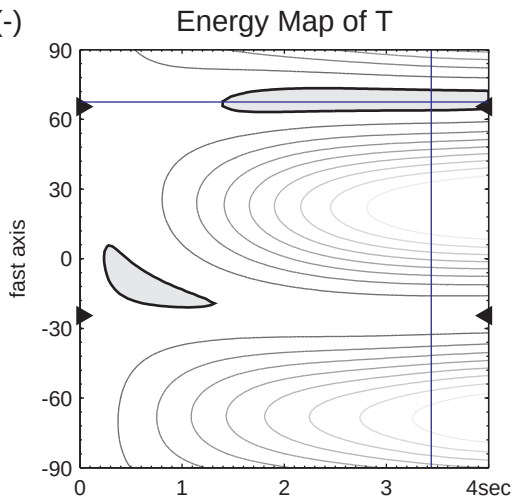


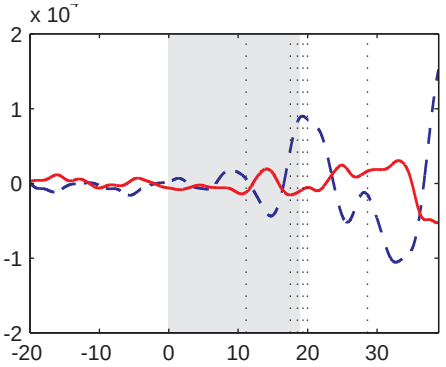








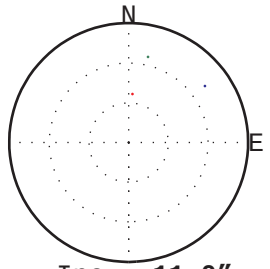




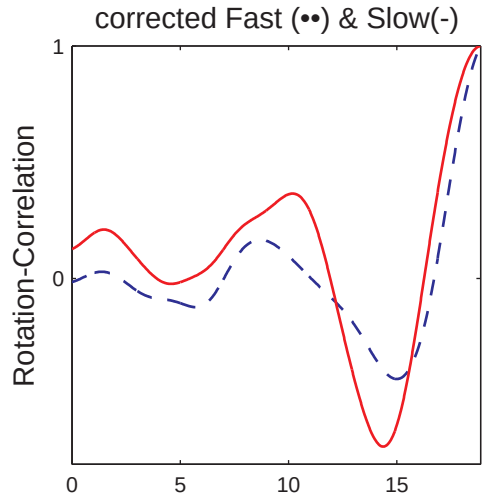
Event: **18-Jul-2010 (199) 05:56 52.88N -169.85E 14km Mw=6.7**
Station: **AUSIV** Backazimuth: **12.7”** Distance: **85.84”**
init.Pol.: **203.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

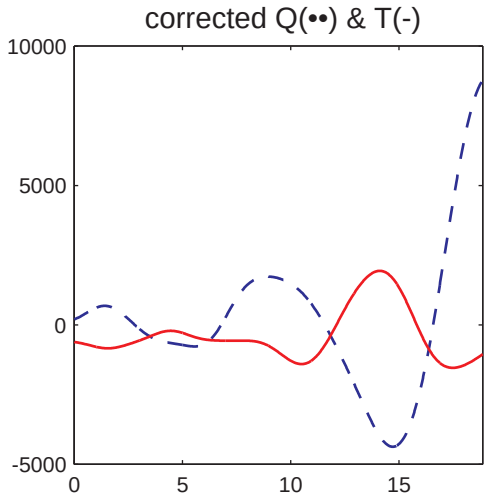
Rotation Correlation:	-29<	-15° <	-4	0.0<0.0s<0.0
Minimum Energy:	17<	23° <	37	1.0<2.5s<4.0
Eigenvalue:	-Inf<	-63° <	Inf	0.0<4.0s<Inf

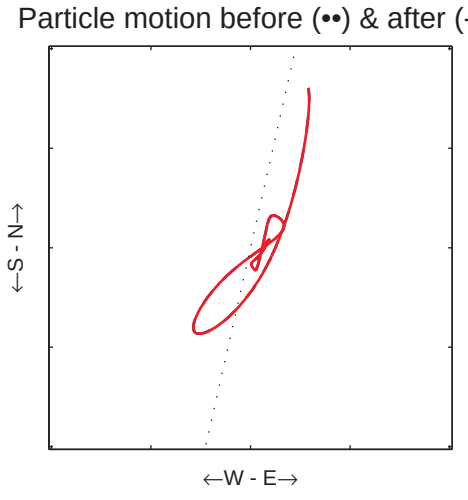
Quality: **good** IsNull: **Yes** Phase: **SKS**

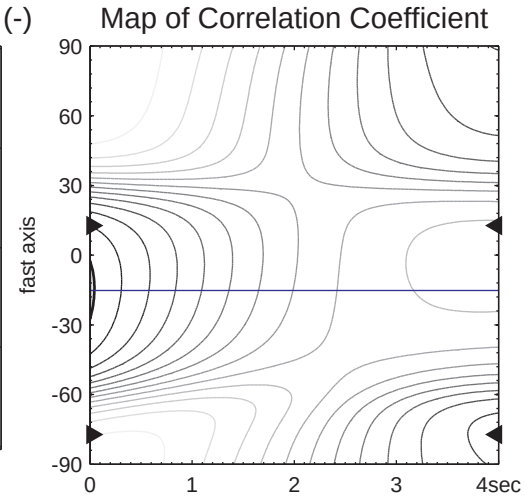


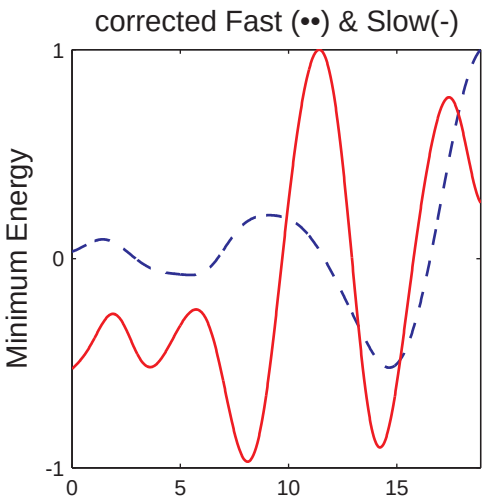
Inc = **11.0”**

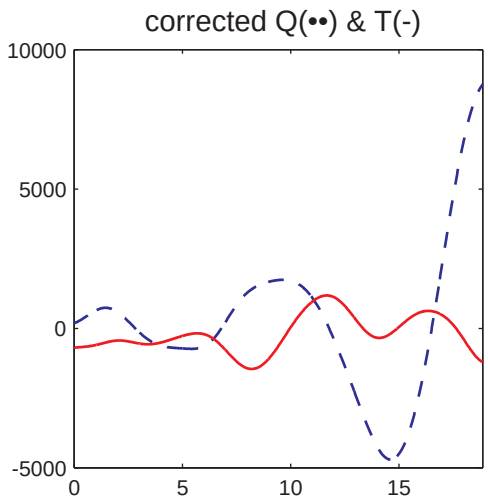


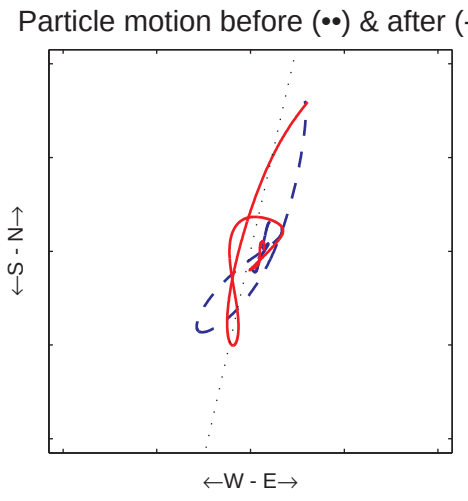


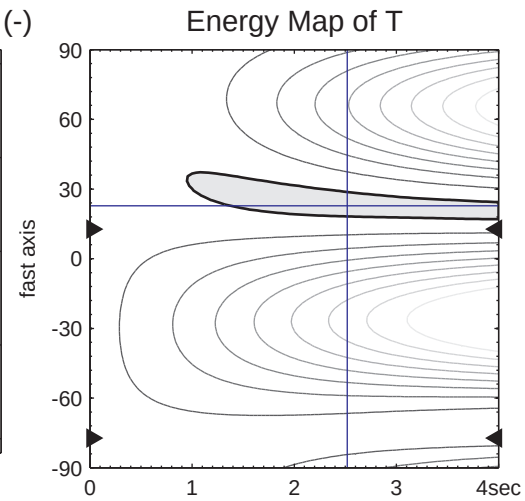


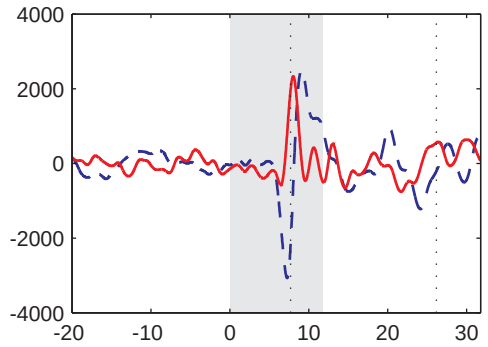








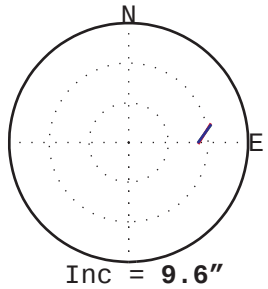


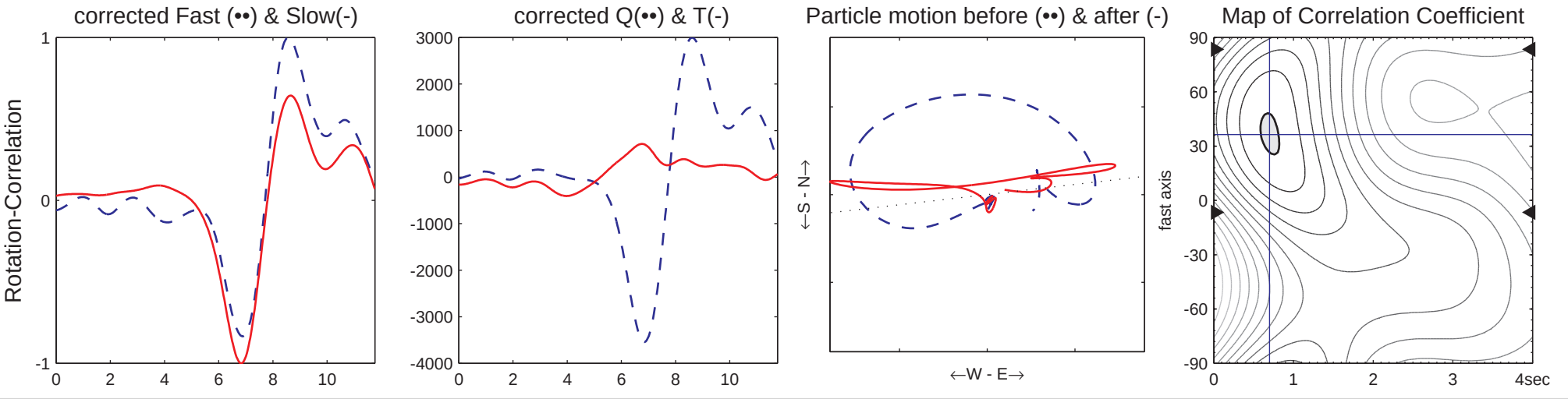


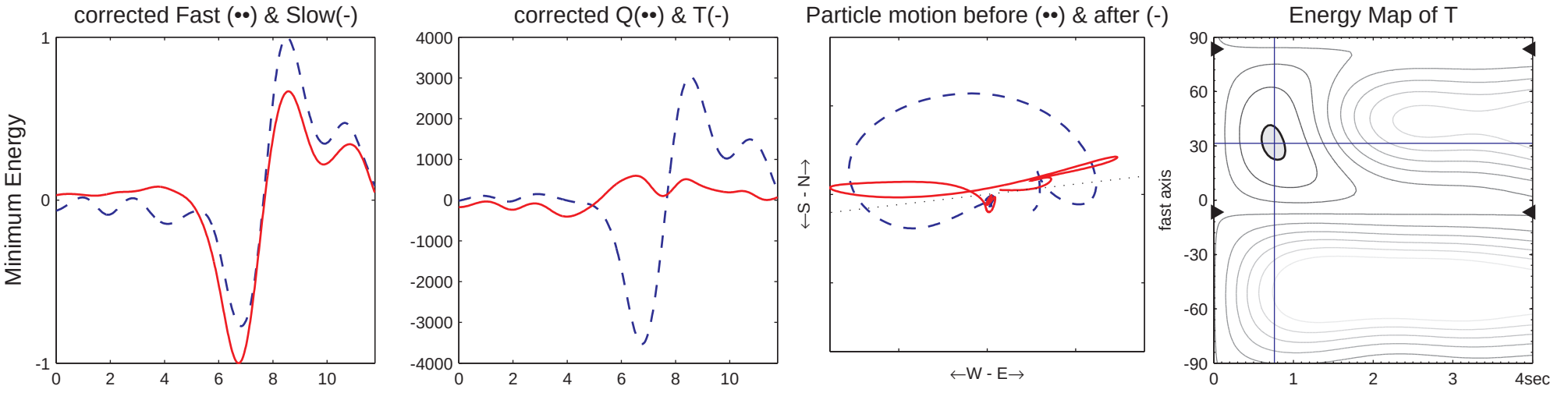
Event: **21-Jul-2010 (202) 09:16 3.04N 128.22E 100km Mw=6.1**
Station: **AUSIV** Backazimuth: **83.4”** Distance: **93.21”**
init.Pol.: **266.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.4**

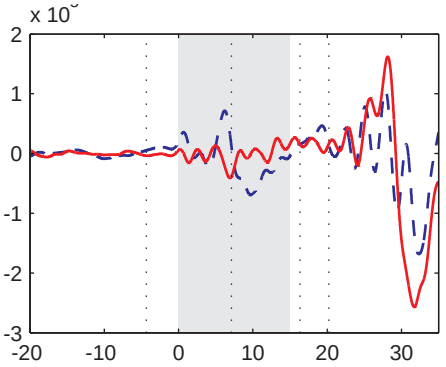
Rotation Correlation:	26<	36° <	48	0.6<0.7s<0.8
Minimum Energy:	23<	31° <	41	0.6<0.8s<0.9
Eigenvalue:	19<	35° <	52	0.6<0.7s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





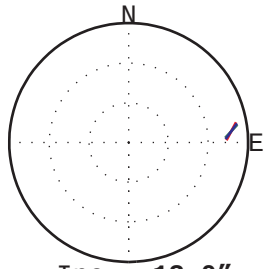




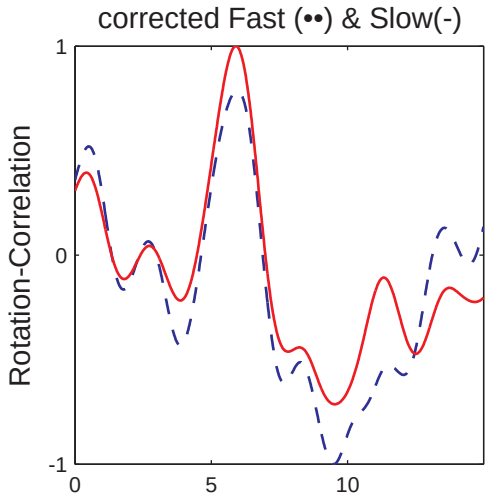
Event: **23-Jul-2010 (204) 22:51 6.50N 123.48E 578km Mw=7.6**
Station: **AUSIV** Backazimuth: **83.7”** Distance: **87.37”**
init.Pol.: **269.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.8**

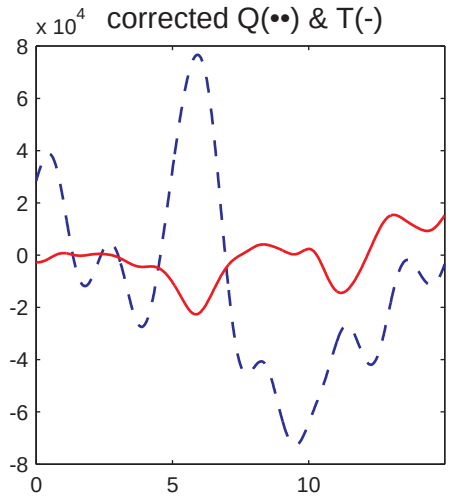
Rotation Correlation:	35<	43° <	52	0.4<0.6s<0.7
Minimum Energy:	15<	28° <	41	0.5<0.6s<0.9
Eigenvalue:	19<	36° <	54	0.4<0.6s<0.8

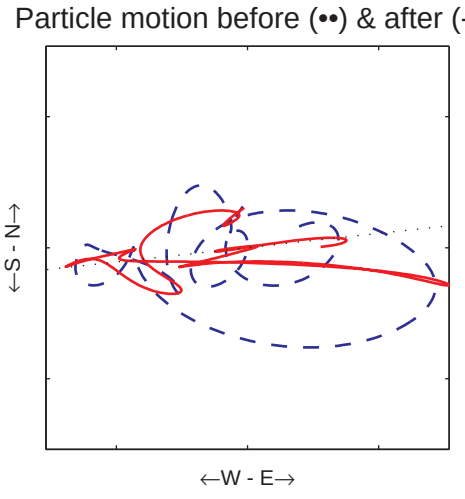
Quality: **fair** IsNull: **No** Phase: **SKKS**

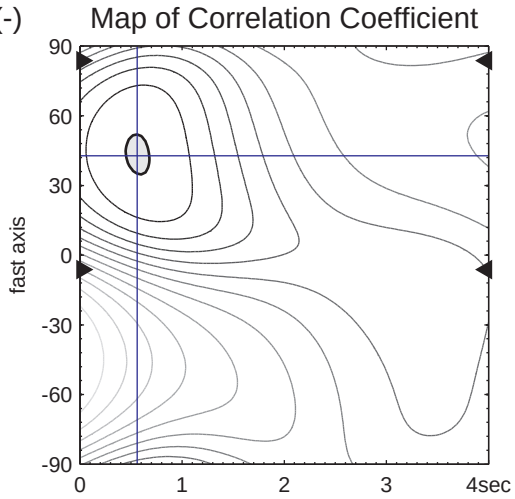


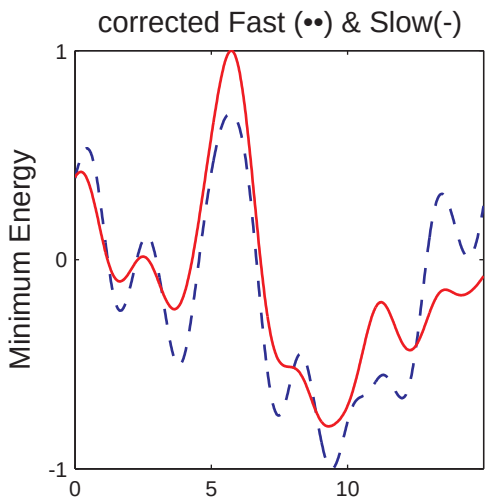
Inc = **13.0”**

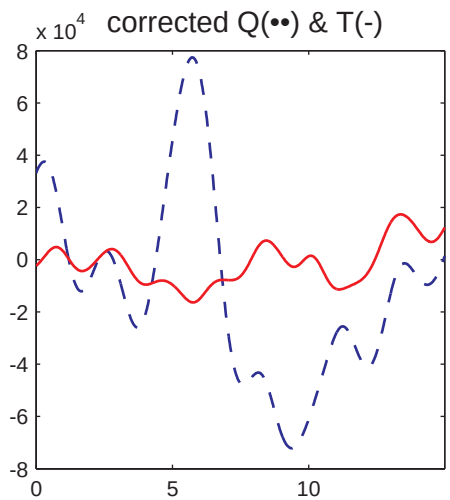


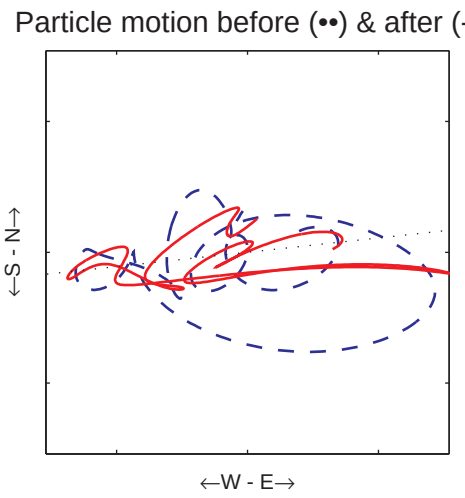


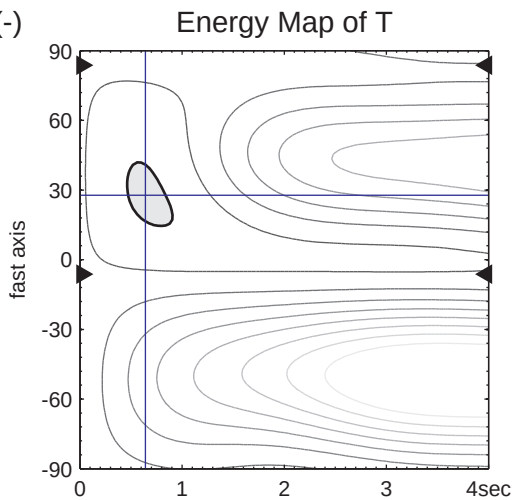


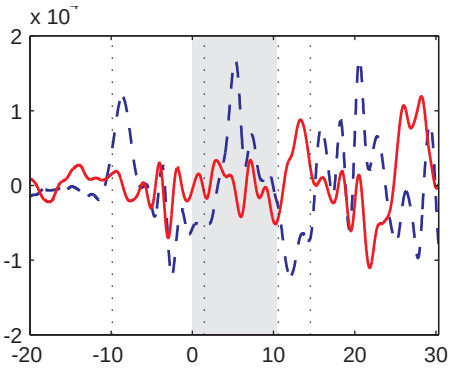








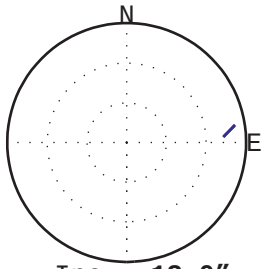




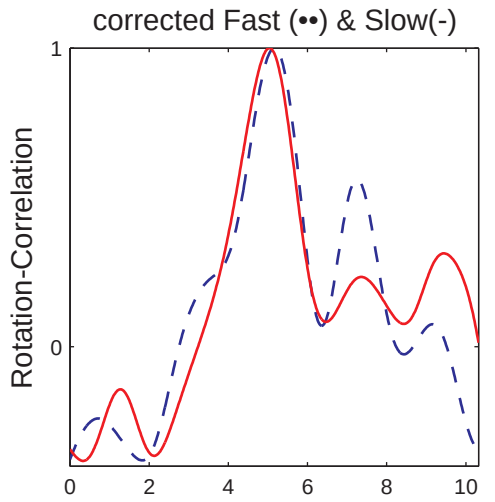
Event: **23-Jul-2010 (204) 22:08 6.72N 123.41E 607km Mw=7.3**
Station: **AUSIV** Backazimuth: **83.6”** Distance: **87.17”**
init.Pol.: **265.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.7**

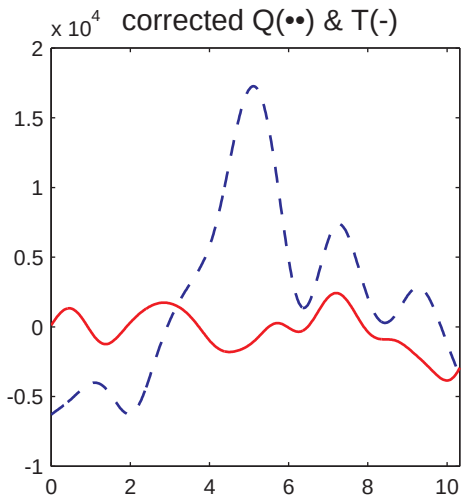
Rotation Correlation:	35<	46° <	57	0.3<0.5s<0.6
Minimum Energy:	15<	42° <	62	0.3<0.5s<0.8
Eigenvalue:	17<	46° <	66	0.3<0.5s<0.8

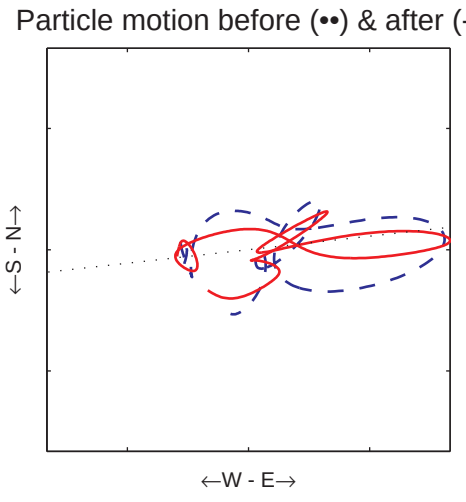
Quality: **good** IsNull: **No** Phase: **SKKS**

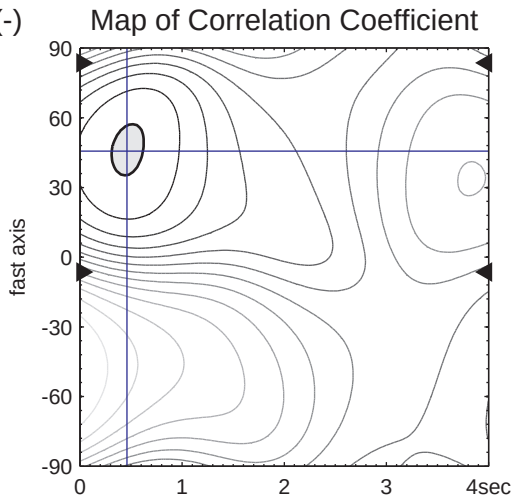


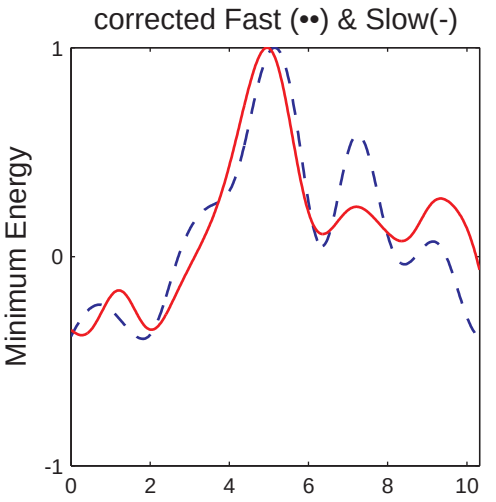
Inc = **13.0”**

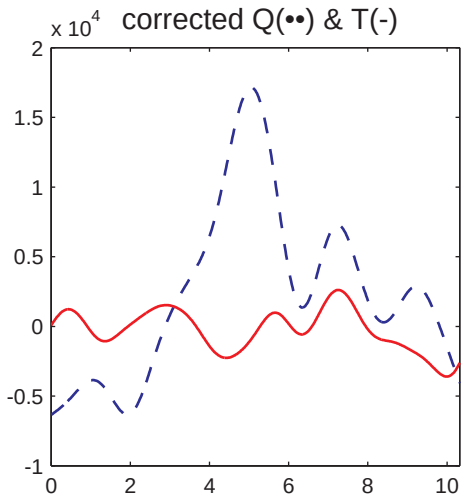


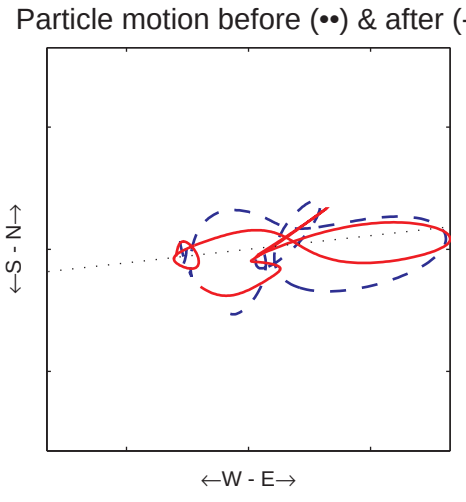


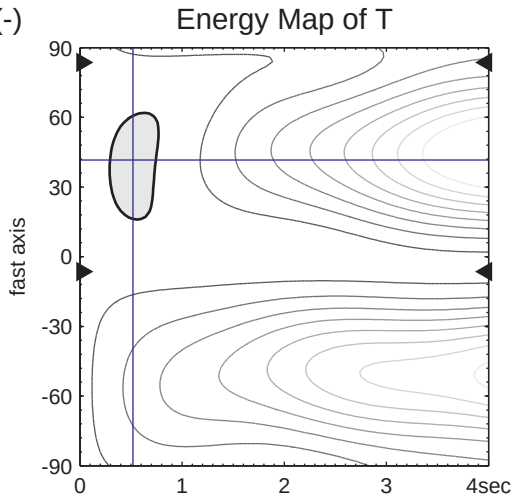


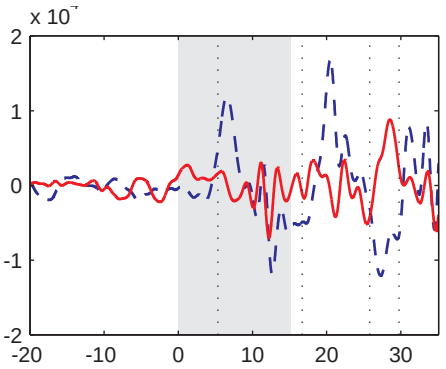








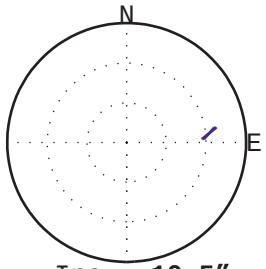




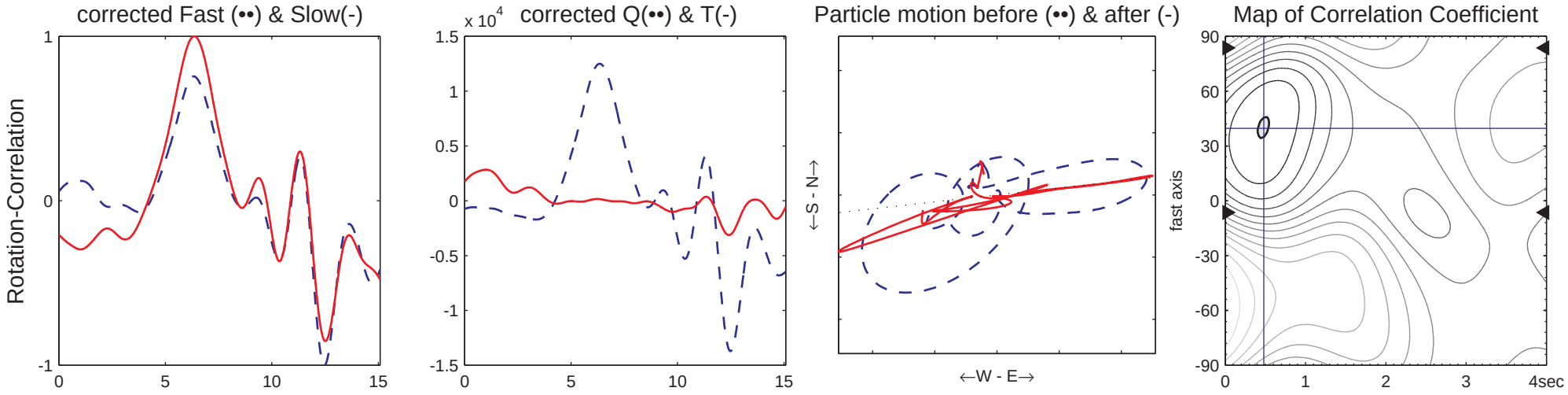
Event: **23-Jul-2010 (204) 22:08 6.72N 123.41E 607km Mw=7.3**
Station: **AUSIV** Backazimuth: **83.6”** Distance: **87.17”**
init.Pol.: **260.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.2**

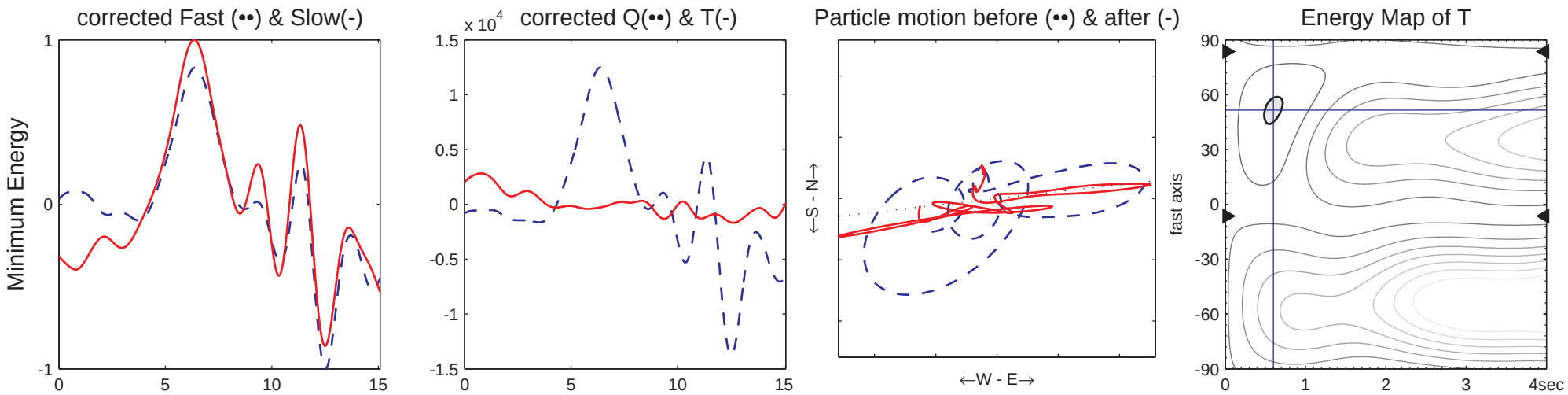
Rotation Correlation:	35<	40° <	46	0.4<0.5s<0.6
Minimum Energy:	43<	52° <	60	0.5<0.6s<0.7
Eigenvalue:	37<	48° <	58	0.4<0.6s<0.7

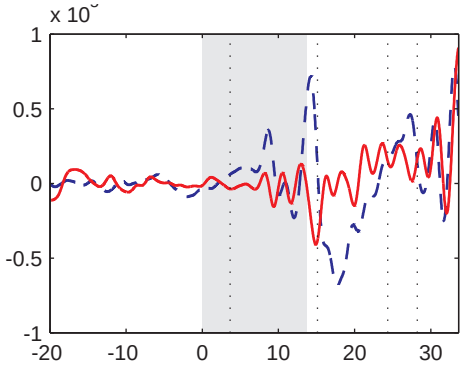
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.5”**



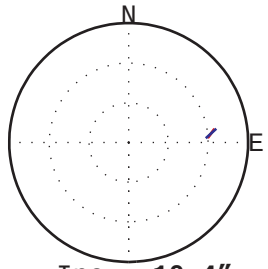




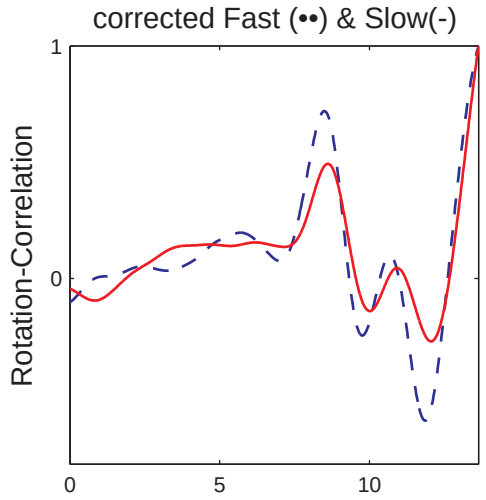
Event: **23-Jul-2010 (204) 22:51 6.50N 123.48E 578km Mw=7.6**
Station: **AUSIV** Backazimuth: **83.7”** Distance: **87.37”**
init.Pol.: **270.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.4**

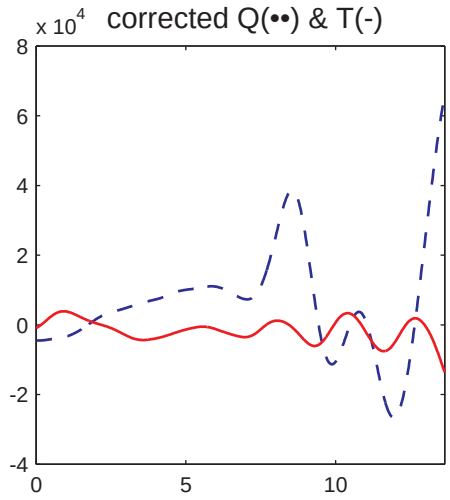
Rotation Correlation:	27<	40° <	56	0.2<0.3s<0.5
Minimum Energy:	17<	36° <	54	0.3<0.4s<0.5
Eigenvalue:	29<	48° <	66	0.3<0.4s<0.6

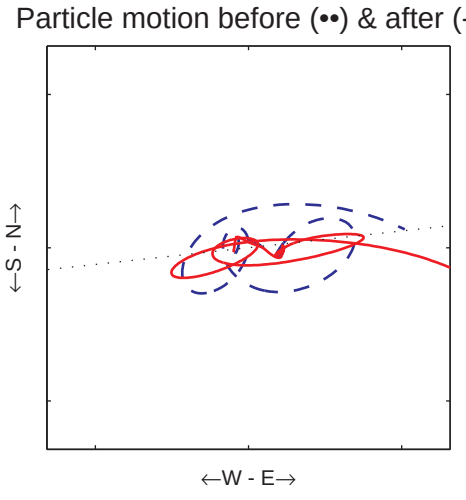
Quality: **good** IsNull: **No** Phase: **SKS**

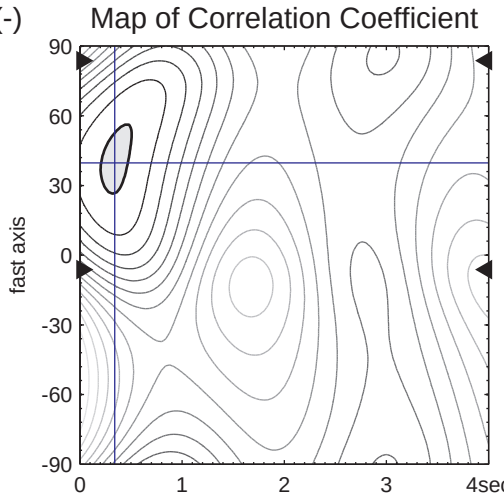


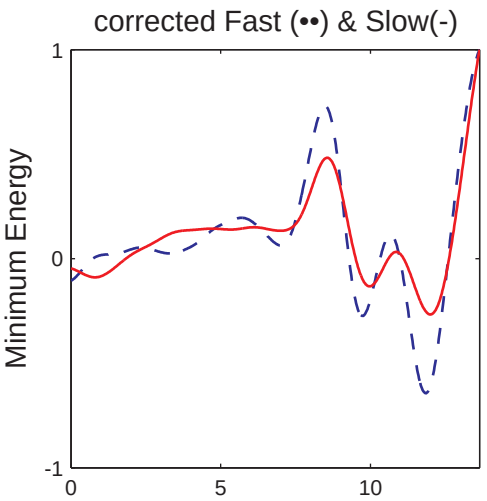
Inc = **10.4”**

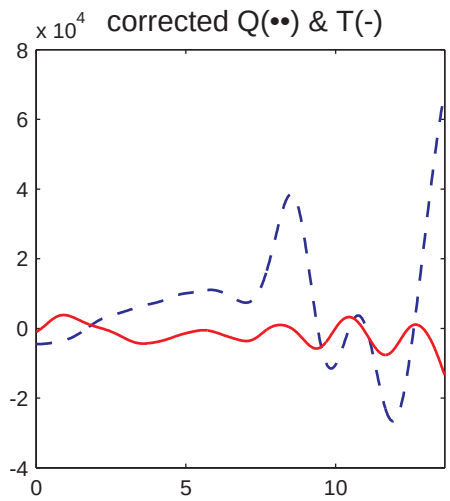


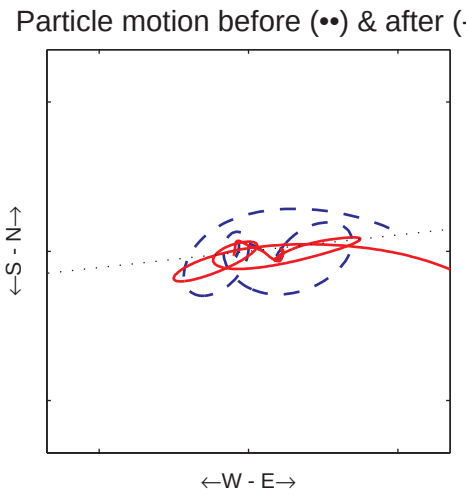


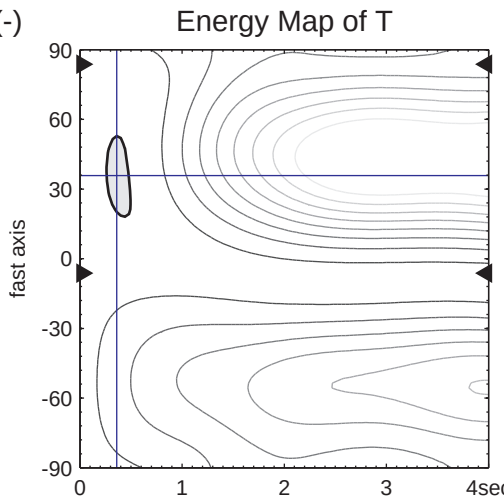


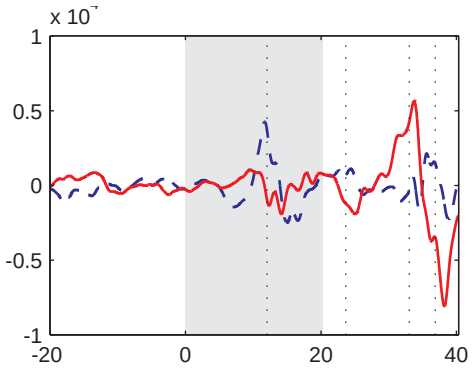








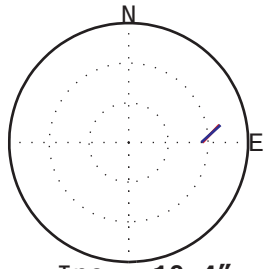




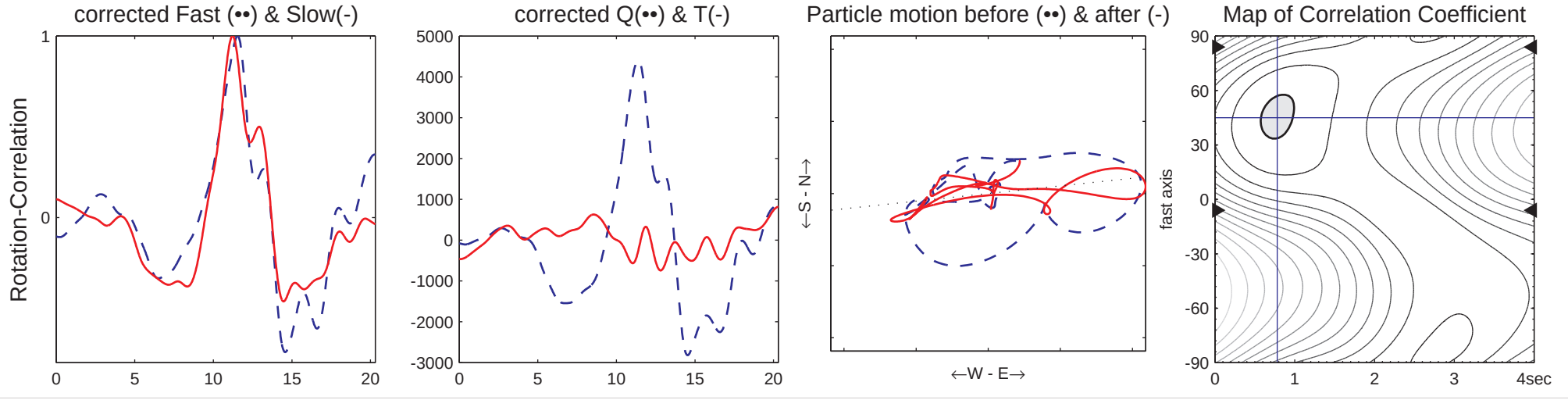
Event: **24-Jul-2010 (205) 05:35 6.22N 123.52E 553km Mw=6.6**
Station: **AUSIV** Backazimuth: **83.9”** Distance: **87.58”**
init.Pol.: **265.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

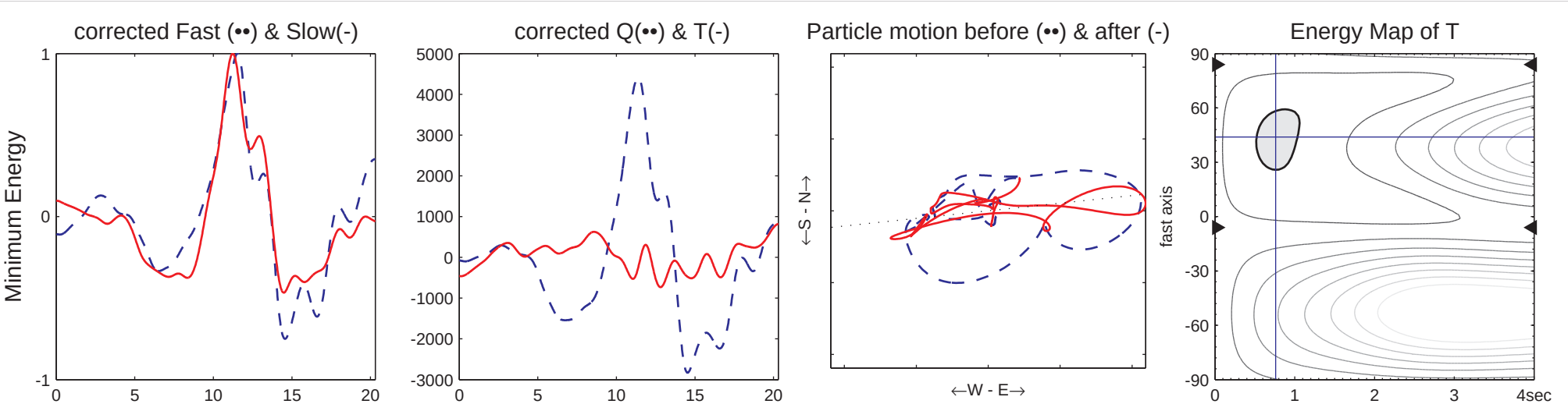
Rotation Correlation:	34<	45° <	58	0.6<0.8s<1.0
Minimum Energy:	25<	44° <	60	0.5<0.8s<1.1
Eigenvalue:	23<	48° <	66	0.5<0.8s<1.1

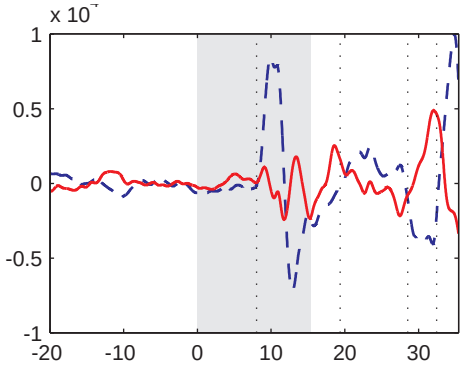
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



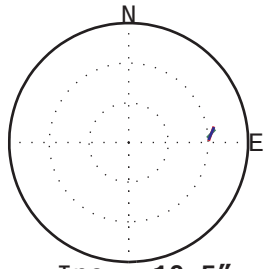




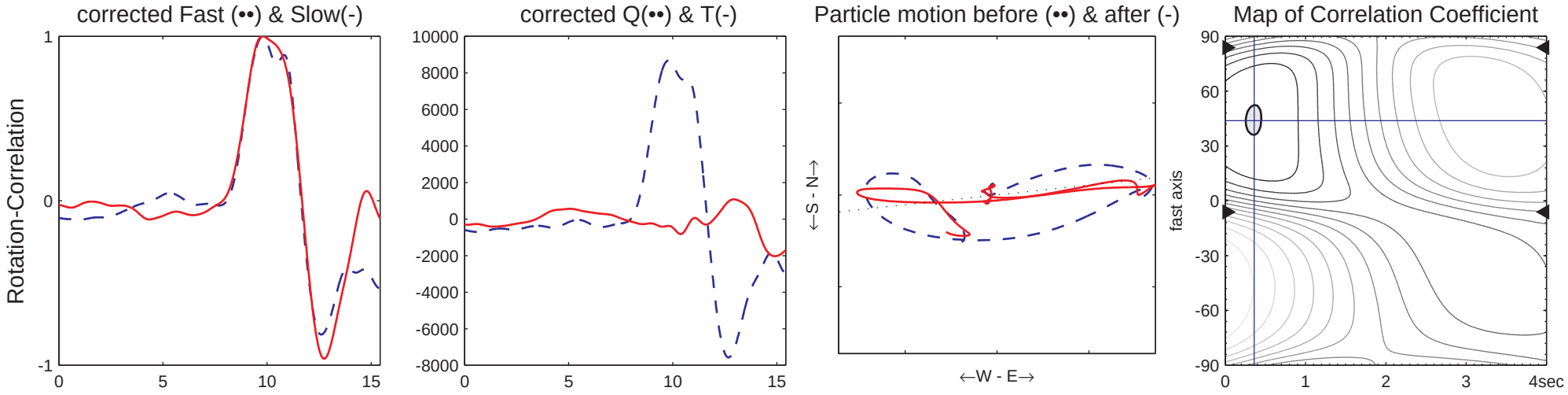
Event: **29-Jul-2010 (210) 07:31 6.55N 123.22E 618km Mw=6.6**
Station: **AUSIV** Backazimuth: **83.9”** Distance: **87.14”**
init.Pol.: **265.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.1**

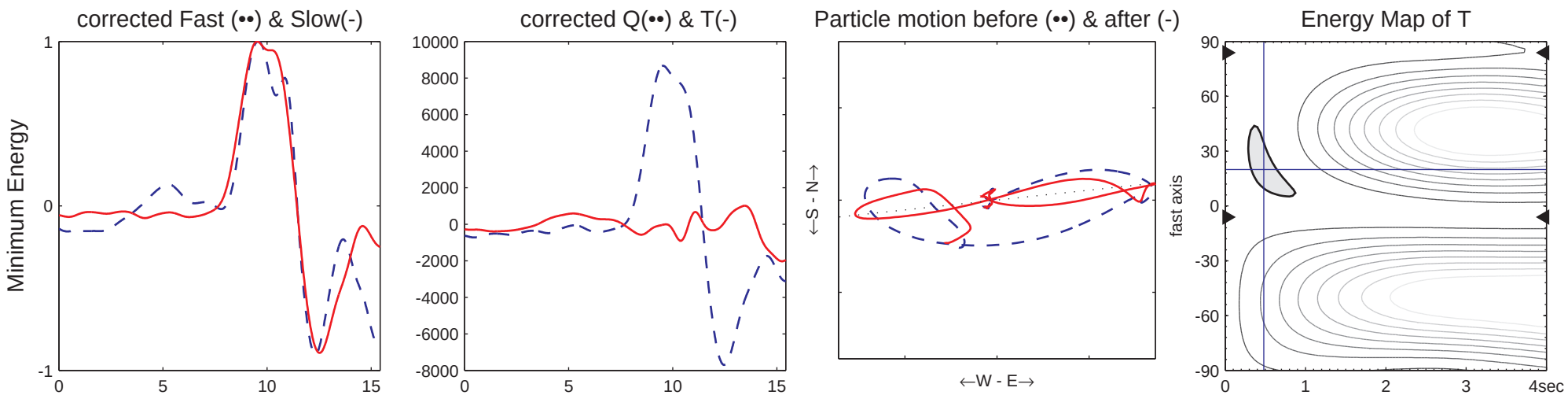
Rotation Correlation:	36<	44° <	53	0.2<0.4s<0.4
Minimum Energy:	5<	20° <	43	0.3<0.5s<0.9
Eigenvalue:	5<	24° <	54	0.3<0.4s<0.8

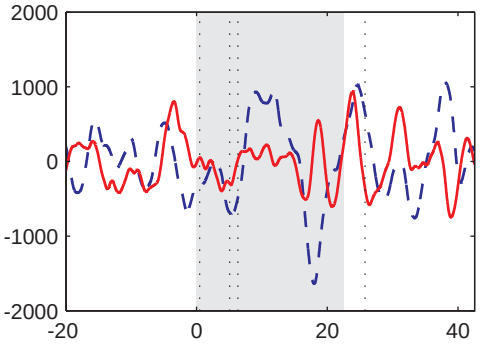
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.5”**



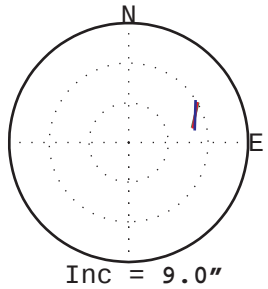


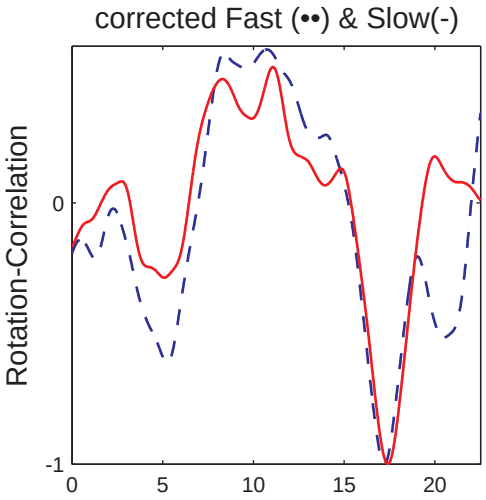


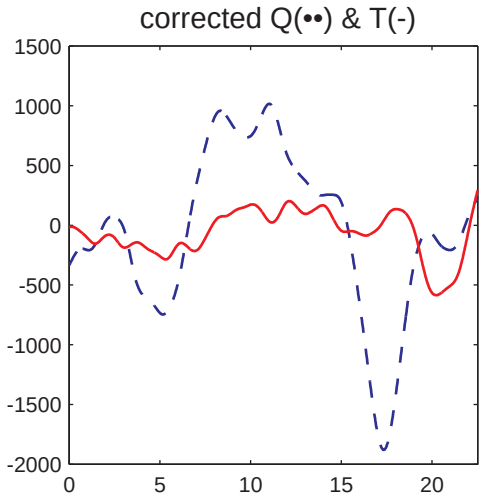
Event: **14-Aug-2010 (226) 07:30 12.35N 141.49E 10km Mw=6.2**
Station: **AUSIV** Backazimuth: **67.7”** Distance: **96.98”**
init.Pol.: **241.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

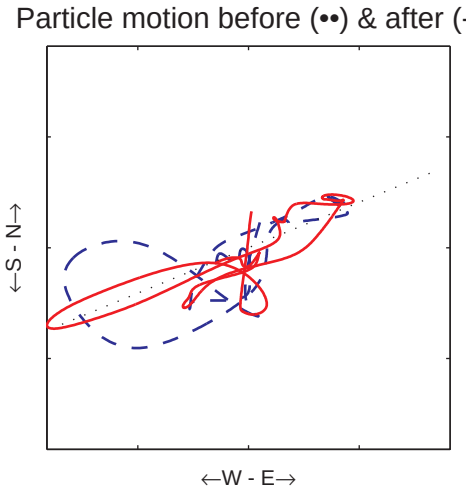
Rotation Correlation:	7<	14° <	23	0.6<0.8s<1.0
Minimum Energy:	-9<	10° <	33	0.4<0.8s<1.3
Eigenvalue:	-13<	2° <	21	0.6<1.0s<1.4

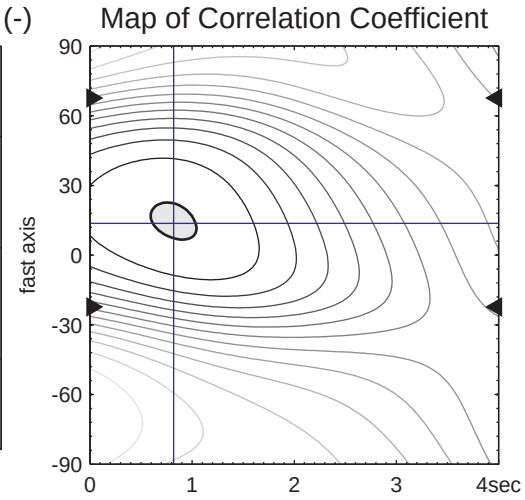
Quality: **fair** IsNull: **No** Phase: **SKS**

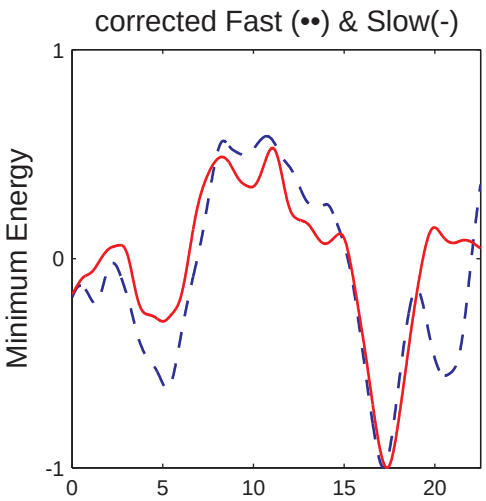


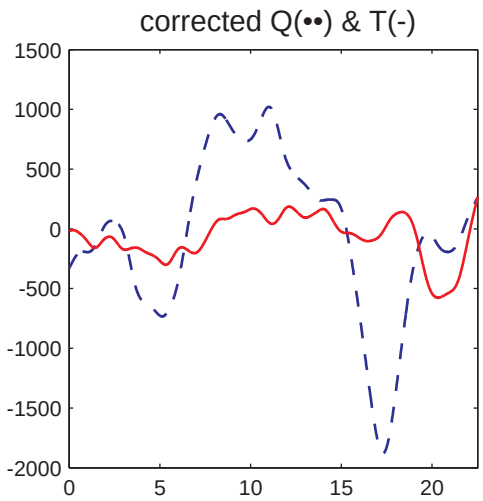


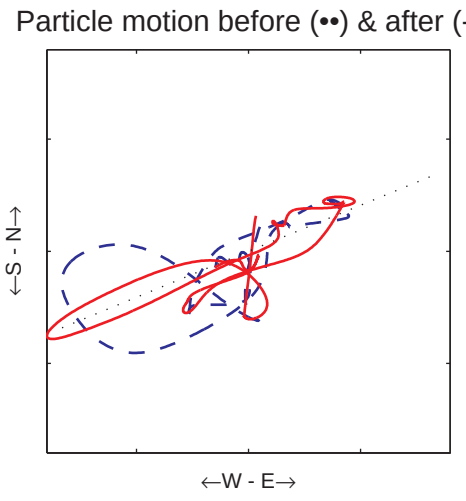


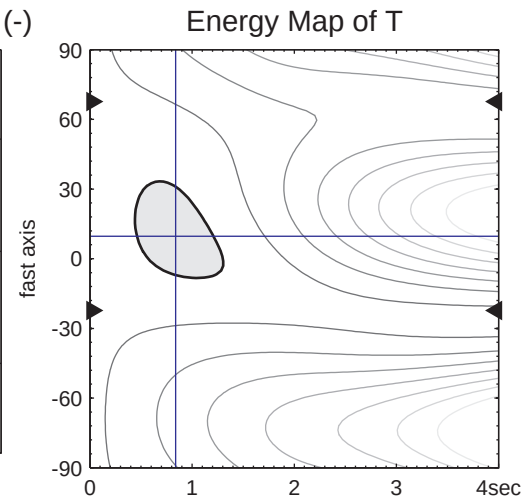


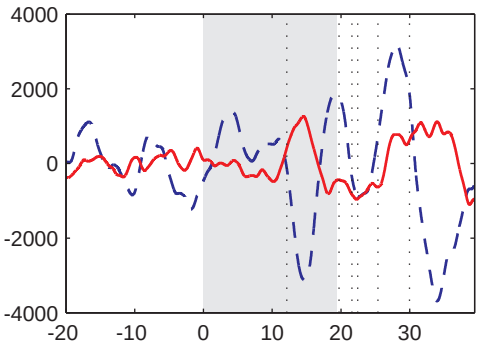








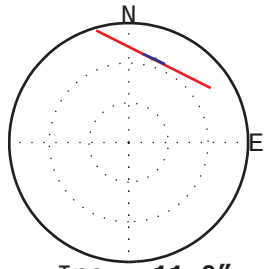




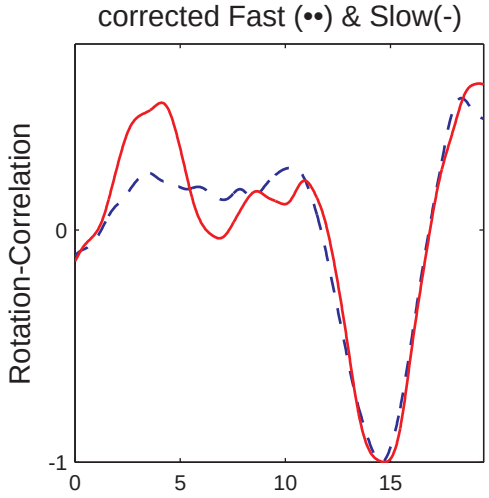
Event: **03-Sep-2010 (246) 11:16 51.45N -175.87E 23km Mw=6.5**
Station: **AUSIV** Backazimuth: **16.7”** Distance: **86.01”**
init.Pol.: **216.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.2**

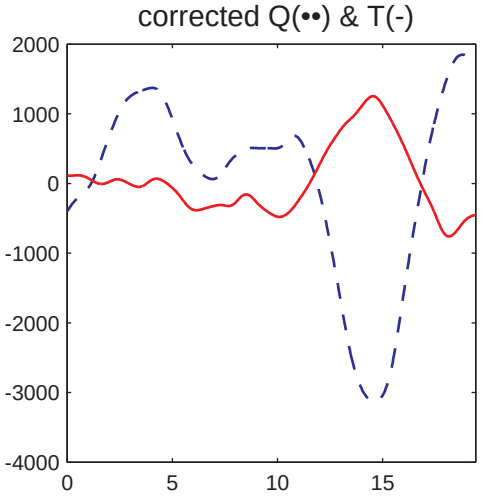
Rotation Correlation:	65<	82° < -81	0.0<0.2s<0.5
Minimum Energy:	-70<	-63° < -62	3.5<4.0s<4.0
Eigenvalue:	35<	-65° < -54	0.0<0.8s<3.4

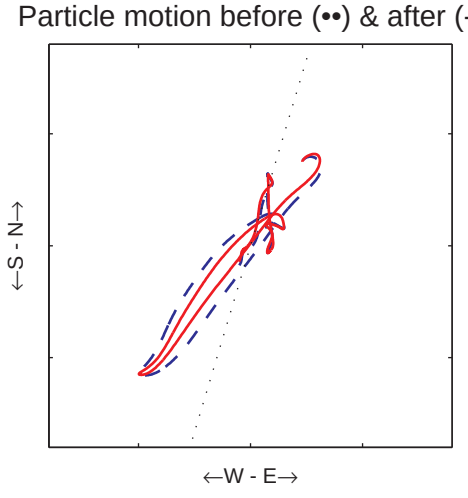
Quality: **fair** IsNull: **Yes** Phase: **SKS**

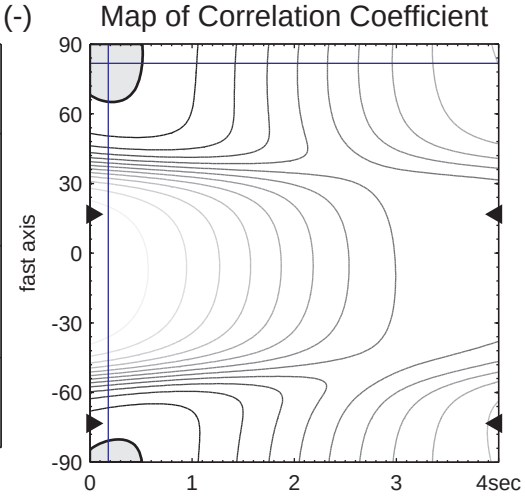


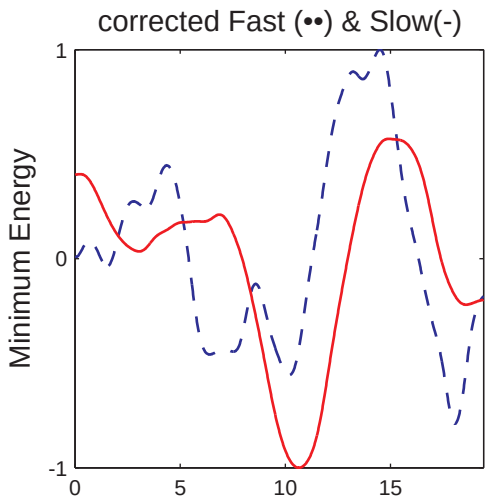
Inc = **11.0”**

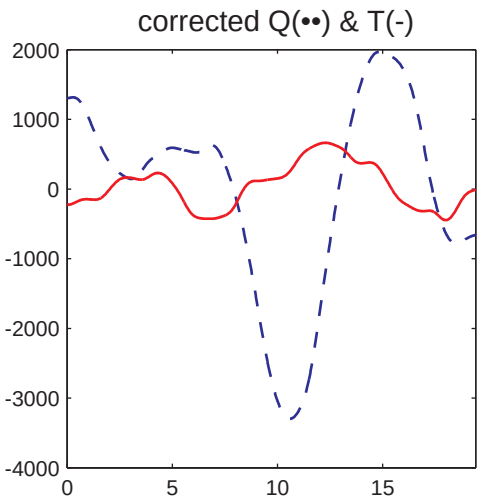


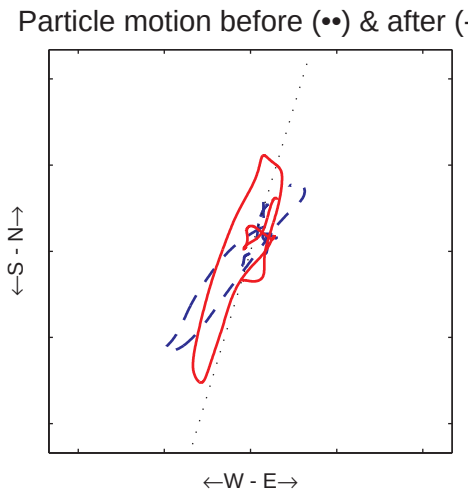


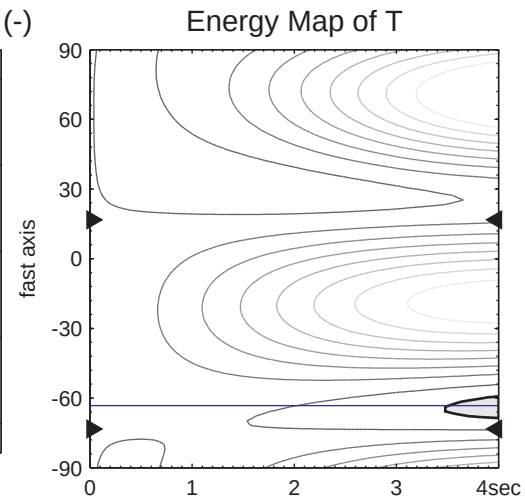


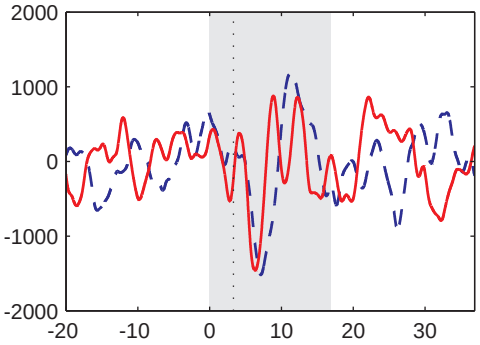








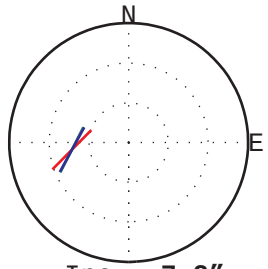




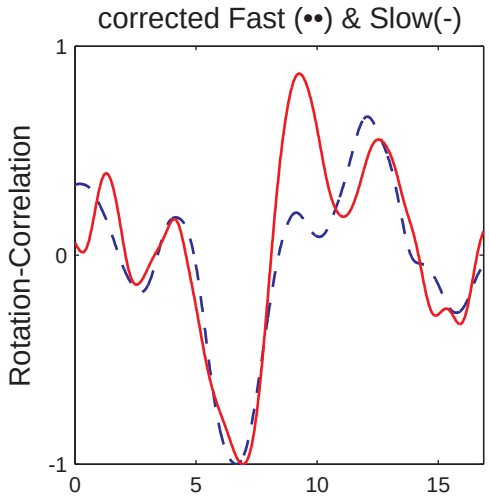
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **AUSIV** Backazimuth: **262.8”** Distance: **109.57”**
init.Pol.: **61.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

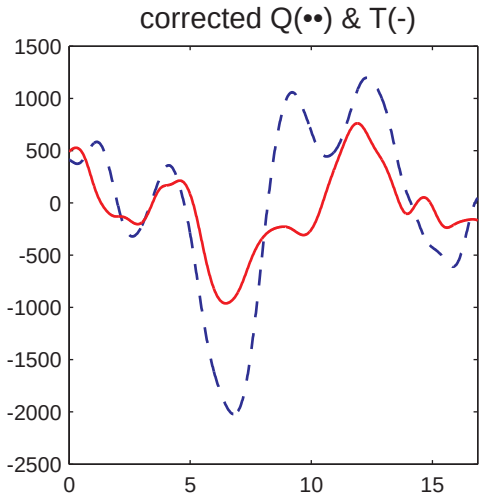
Rotation Correlation:	17<	27° <	37	1.3<1.6s<1.8
Minimum Energy:	33<	45° <	58	1.3<1.7s<2.2
Eigenvalue:	17<	29° <	41	1.3<1.6s<1.9

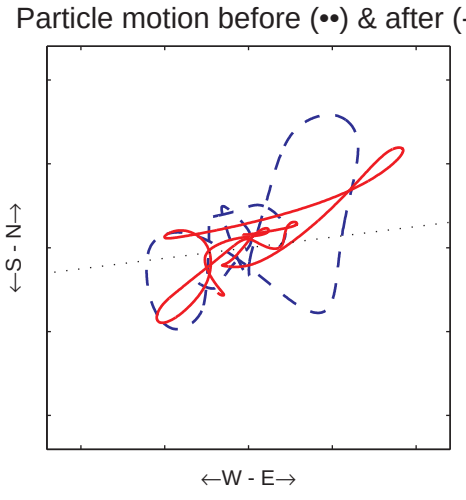
Quality: **fair** IsNull: **No** Phase: **SKS**

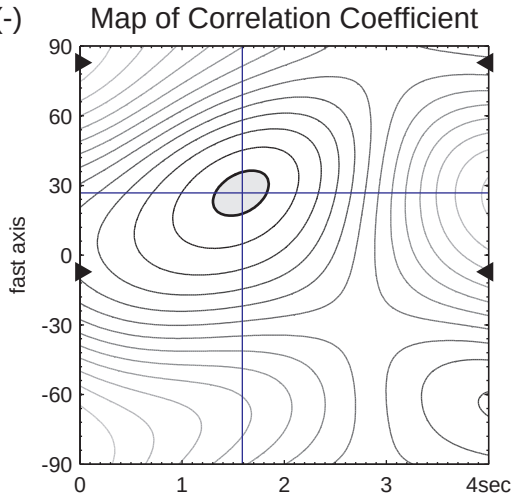


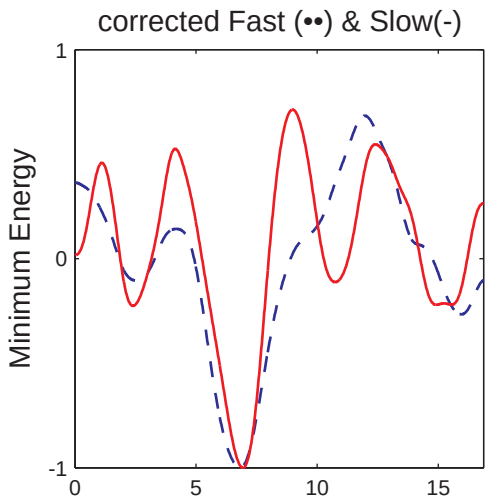
Inc = **7.2”**

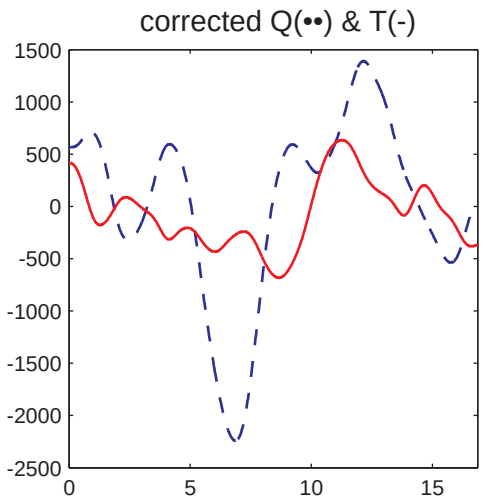


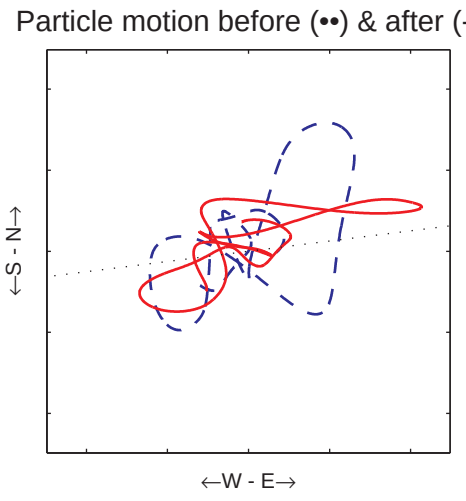


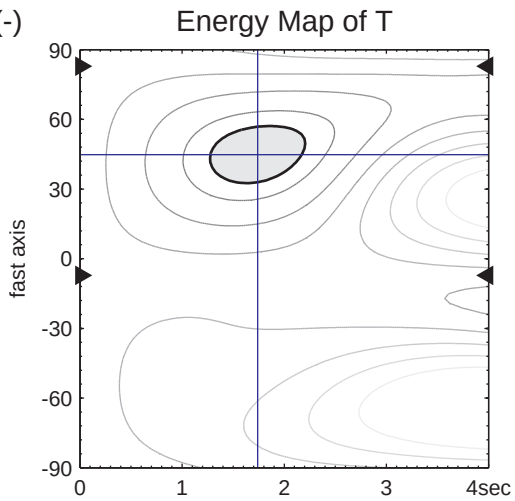


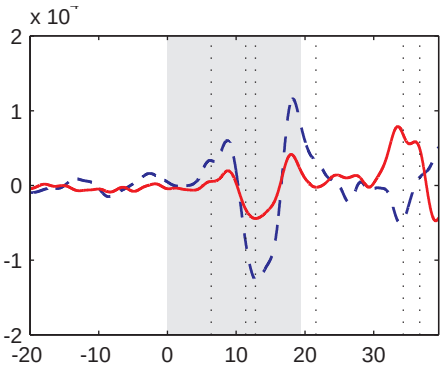








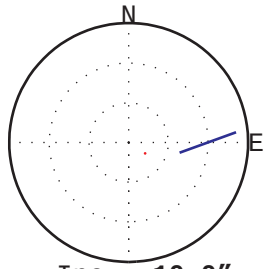




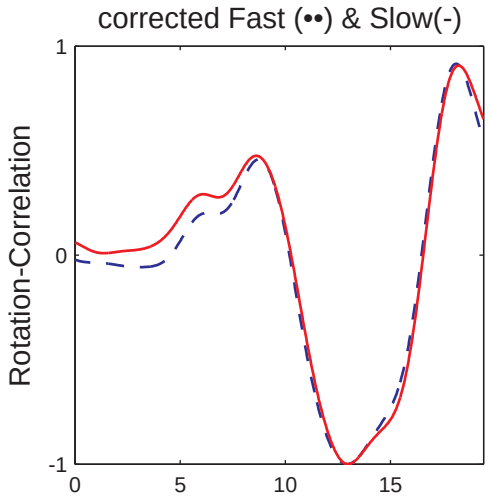
Event: **20-Feb-2007 (051) 08:04 -1.02N 126.99E 11km Mw=6.7**
Station: **BNN** Backazimuth: **90.1”** Distance: **91.53”**
init.Pol.: **254.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.3**

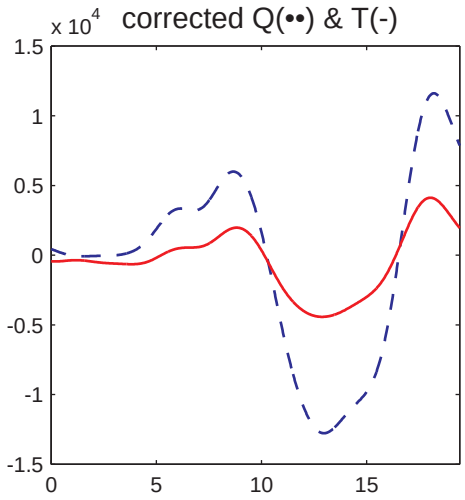
Rotation Correlation:	-2<	26° <	55	0.0<0.0s<0.3
Minimum Energy:	78<	80° <	86	2.8<4.0s<4.0
Eigenvalue:	-7<	70° <	76	0.1<1.9s<3.6

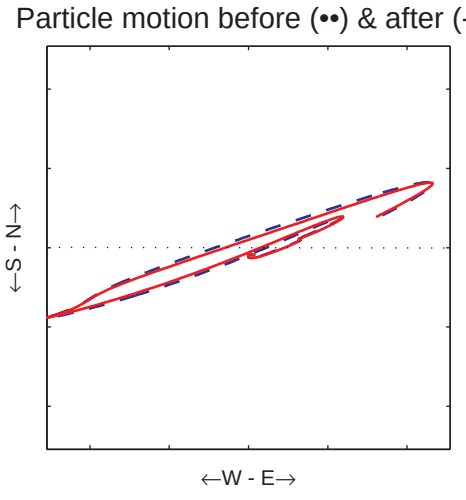
Quality: **fair** IsNull: **Yes** Phase: **SKS**

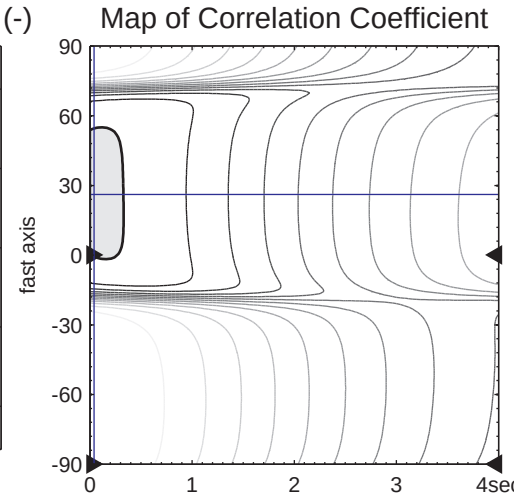


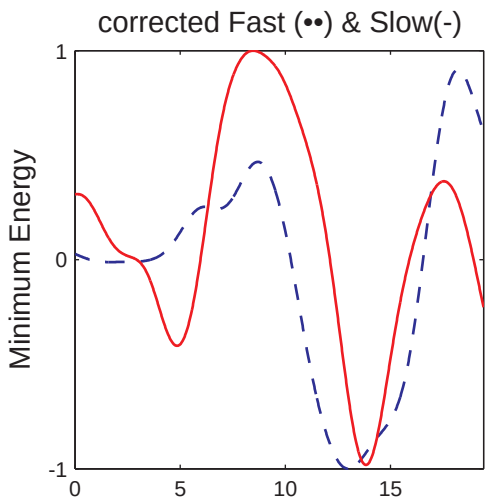
Inc = **10.0”**

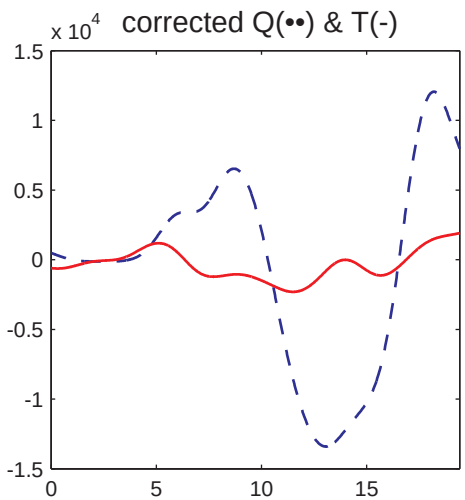


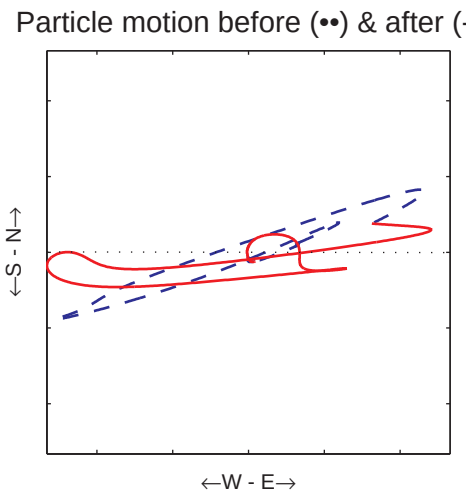


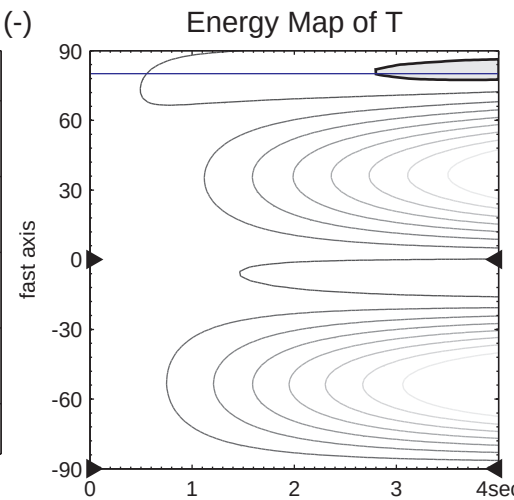


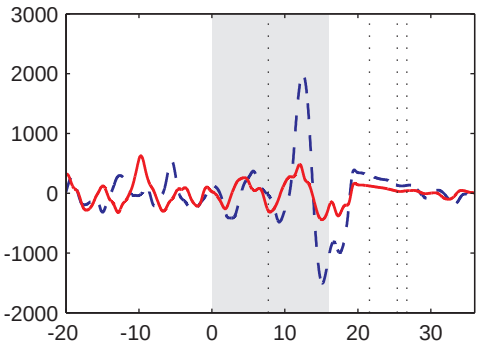








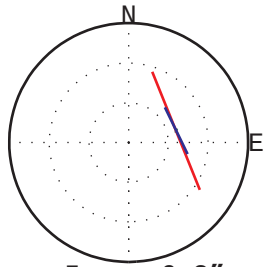




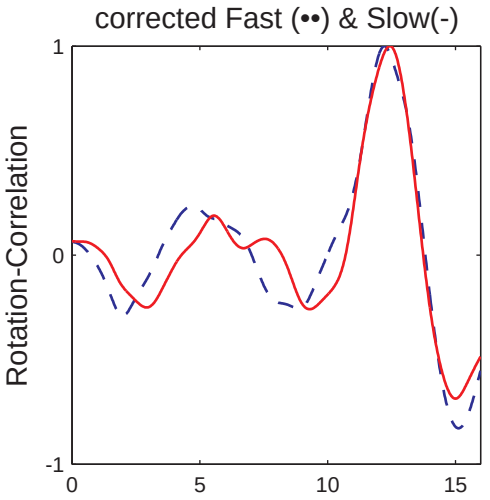
Event: **04-Apr-2007 (094) 06:34 -7.78N 156.49E 31km Mw=6.4**
Station: **BNN** Backazimuth: **76.1”** Distance: **118.57”**
init.Pol.: **236.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.6**

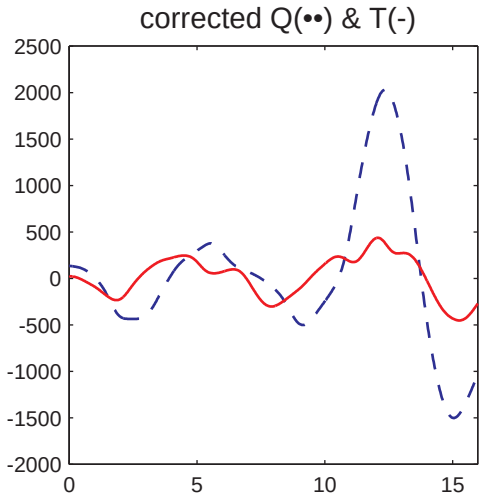
Rotation Correlation:	-5<	17° <	41	0.0<0.1s<0.4
Minimum Energy:	-27<	-22° <	-19	3.5<4.0s<4.0
Eigenvalue:	-35<	-26° <	60	0.1<1.6s<2.7

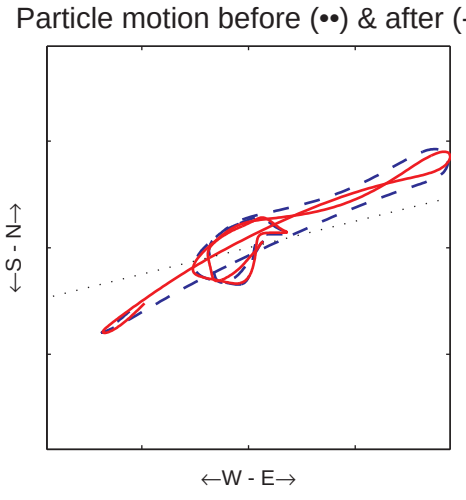
Quality: **good** IsNull: **Yes** Phase: **SKS**

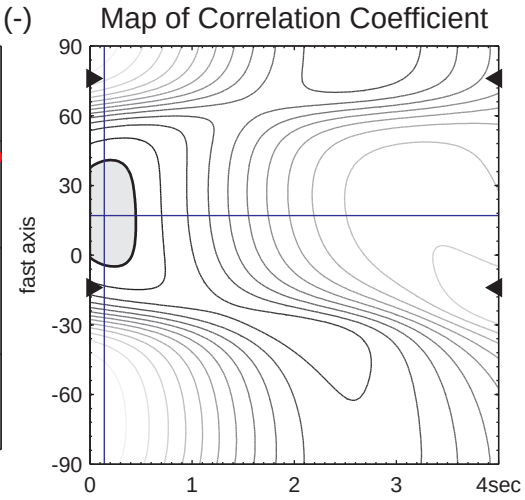


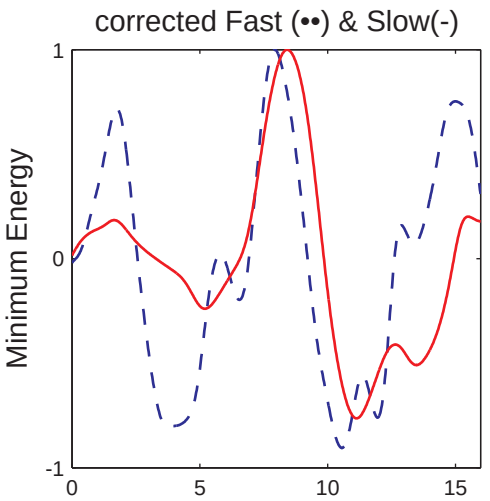
Inc = **6.2”**

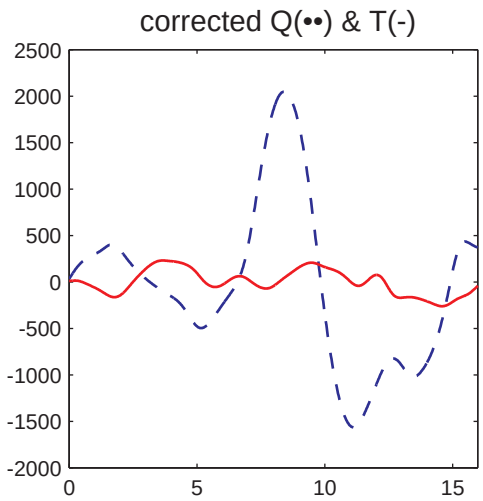


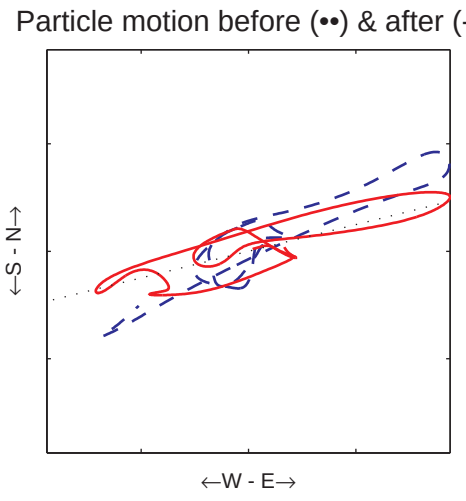


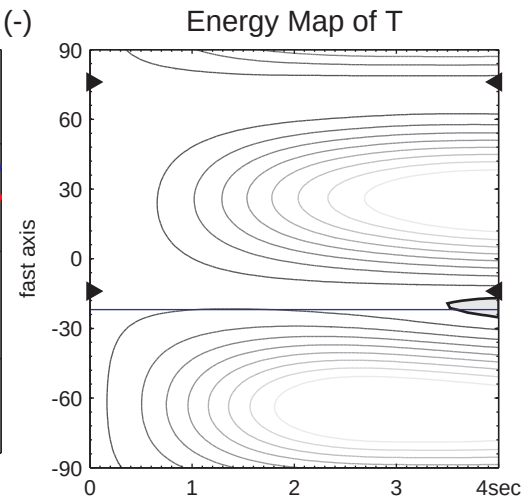


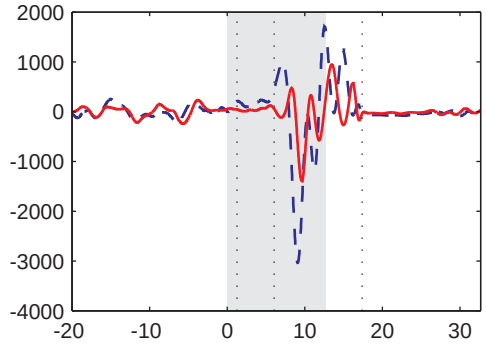








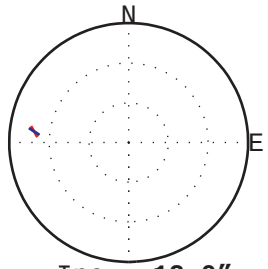




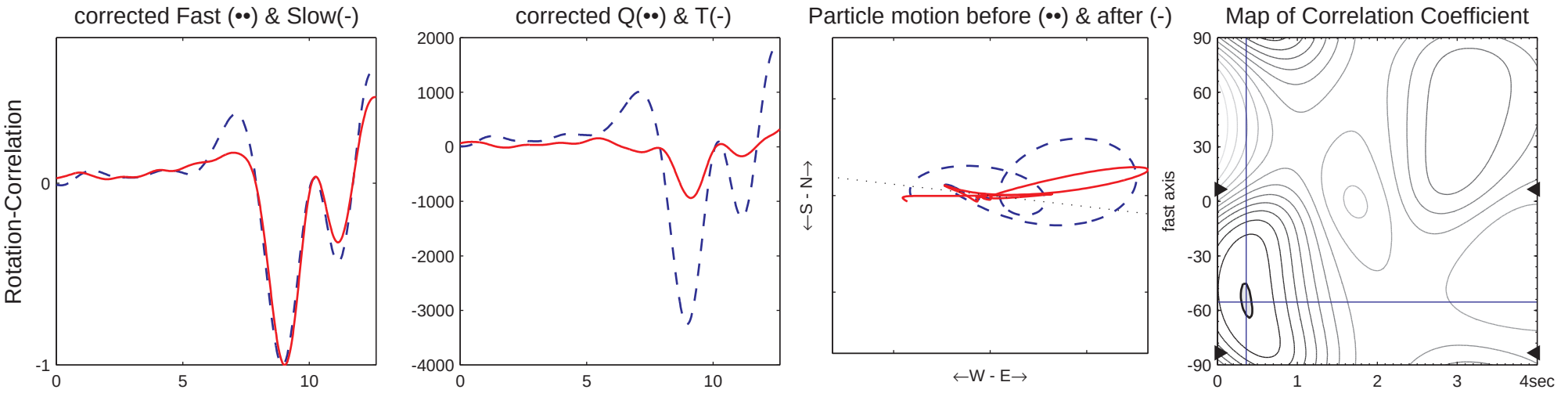
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **BNN** Backazimuth: **276.6”** Distance: **110.71”**
init.Pol.: **83.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.9**

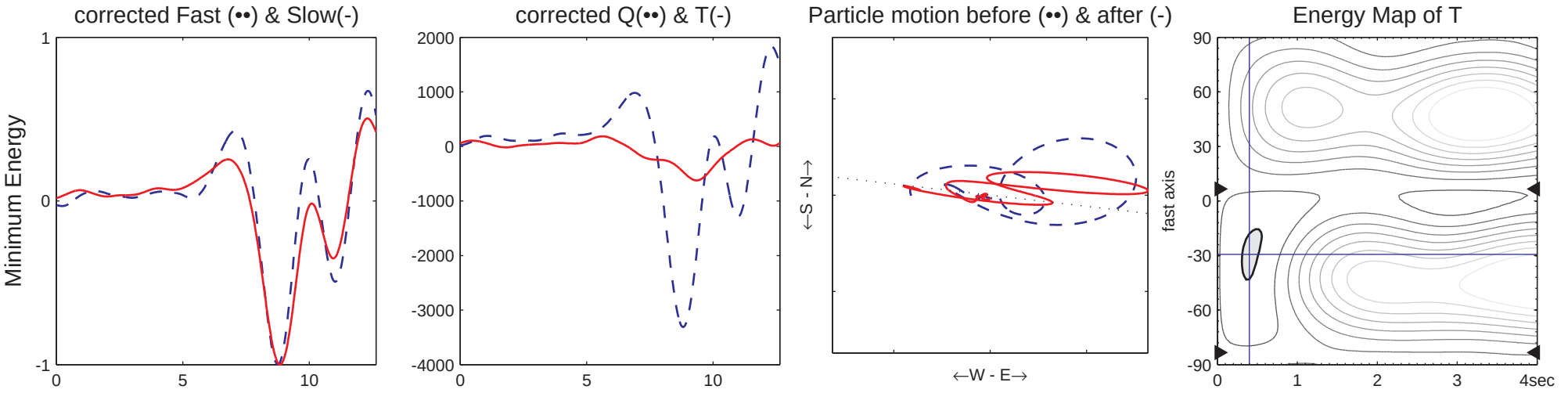
Rotation Correlation:	-65<	-55° <	-46	0.3<0.4s<0.4
Minimum Energy:	-46<	-29° <	-17	0.3<0.4s<0.6
Eigenvalue:	-72<	-57° <	-52	0.4<0.4s<0.5

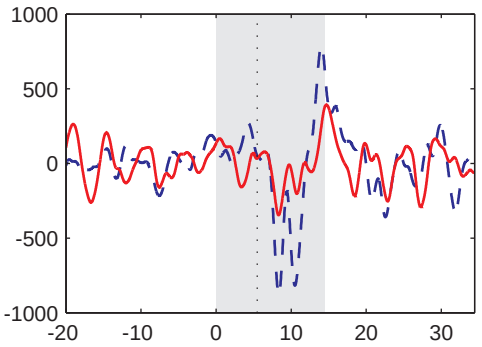
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



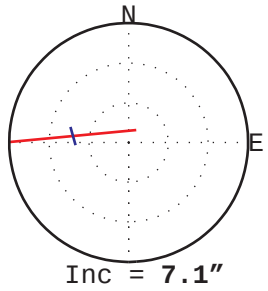


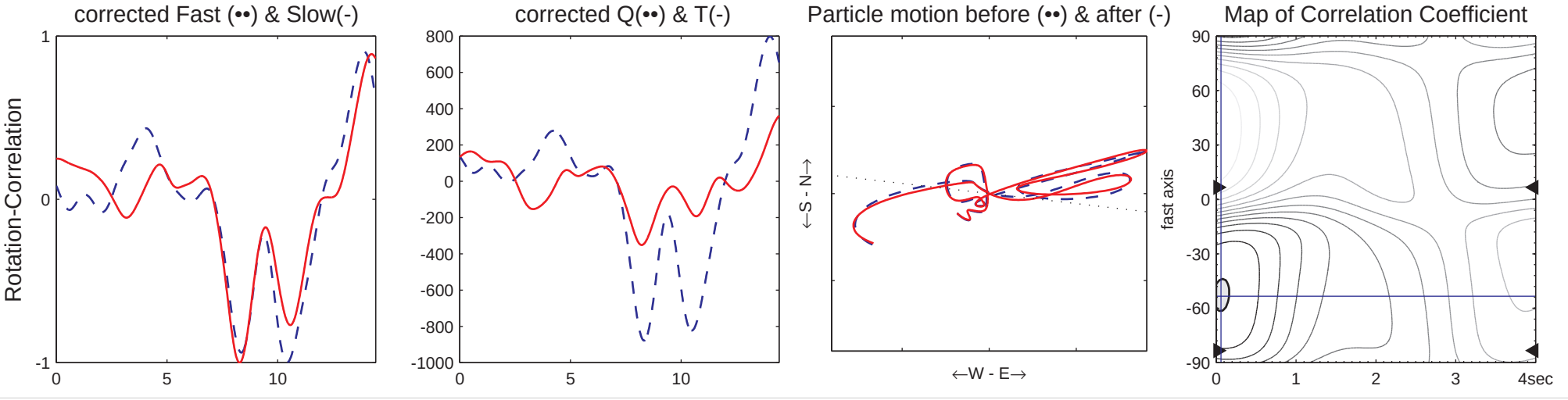


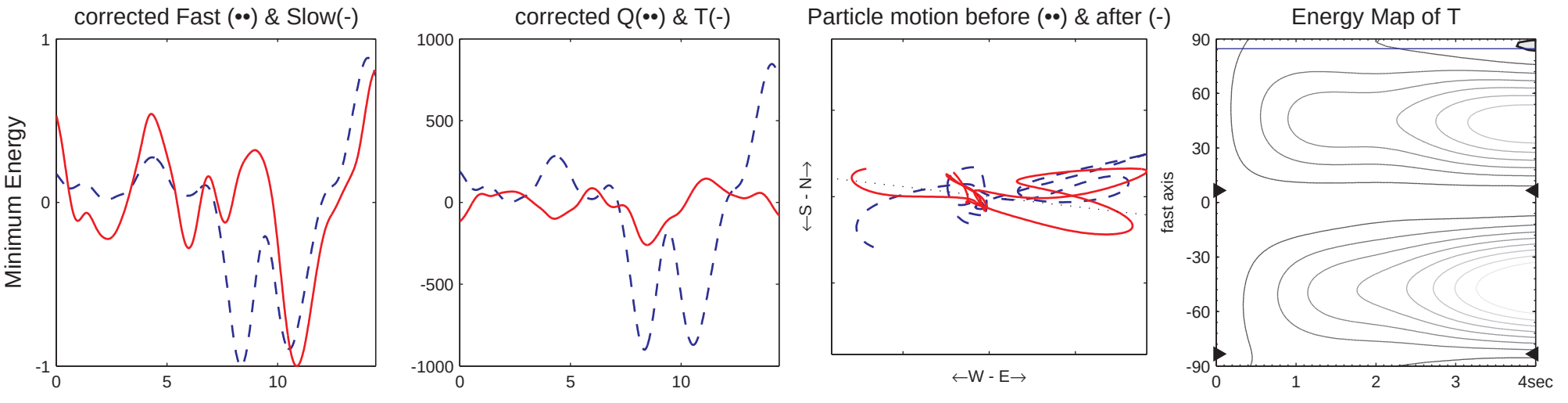
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **BNN** Backazimuth: **276.6”** Distance: **110.71”**
init.Pol.: **82.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

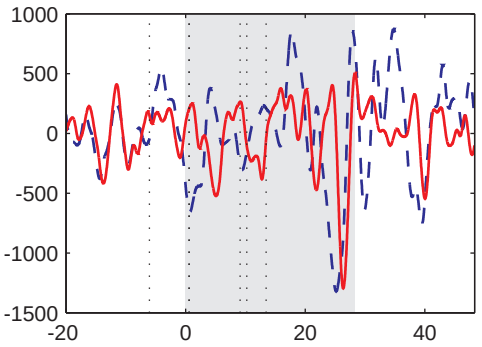
Rotation Correlation:	-63<	-53° < -45	0.0<0.1s<0.2
Minimum Energy:	84<	85° < -92	3.8<4.0s<4.0
Eigenvalue:	-Inf<	-15° < Inf	0.0<0.6s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





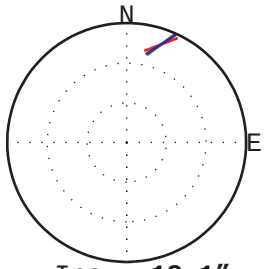




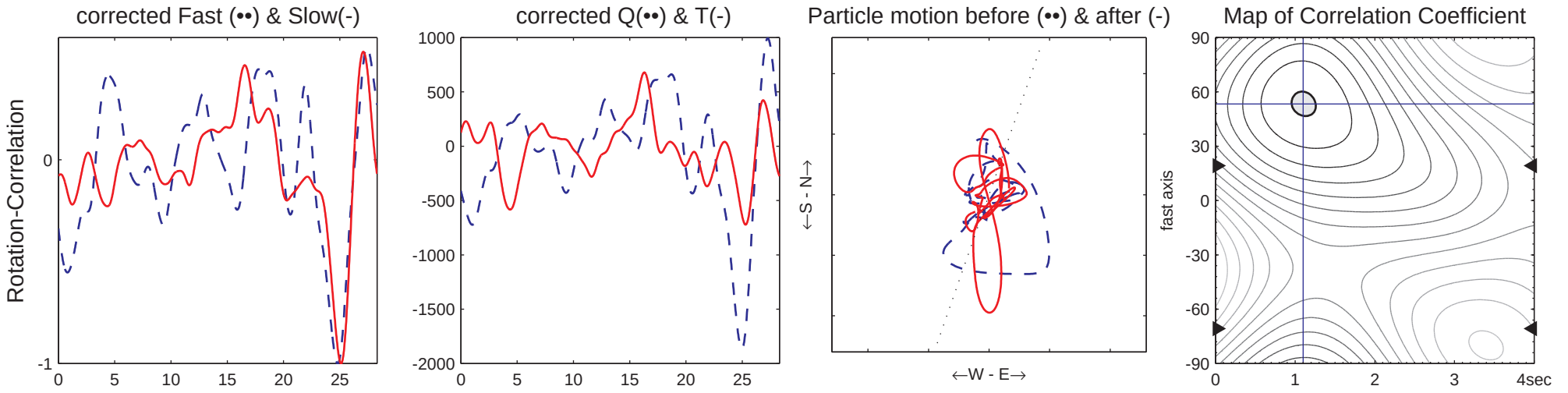
Event: **13-Jul-2007 (194) 21:54 51.78N -176.24E 35km Mw=6.0**
Station: **BNN** Backazimuth: **19.3”** Distance: **85.14”**
init.Pol.: **188.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

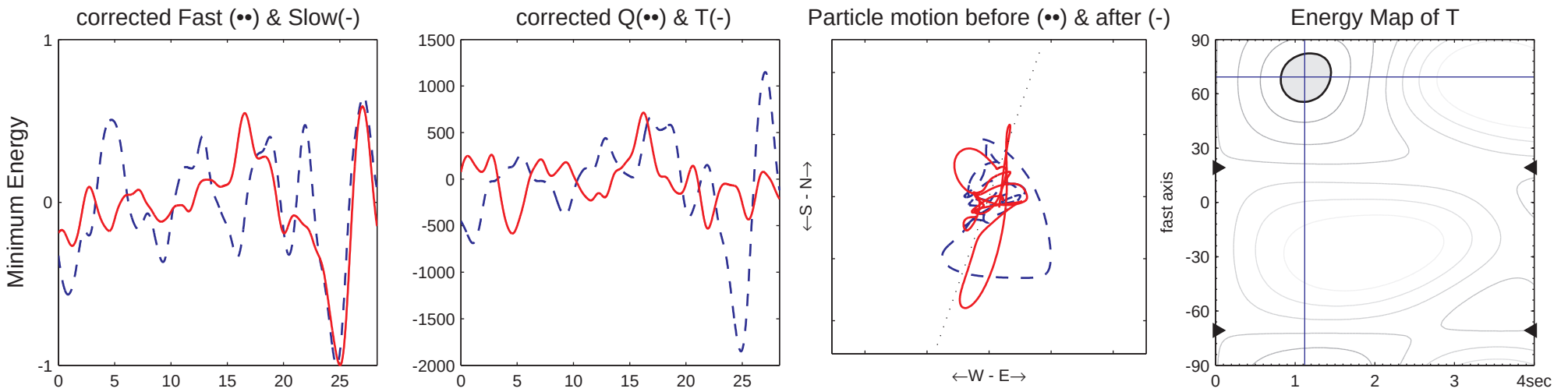
Rotation Correlation:	47<	53° <	60	1.0<1.1s<1.2
Minimum Energy:	56<	69° <	82	0.8<1.1s<1.4
Eigenvalue:	33<	57° <	78	0.8<1.1s<1.4

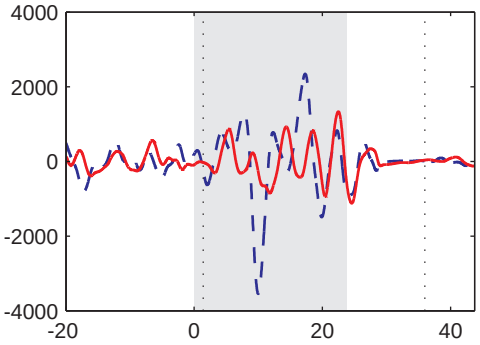
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.1”**

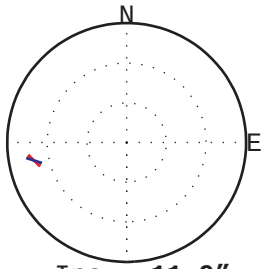




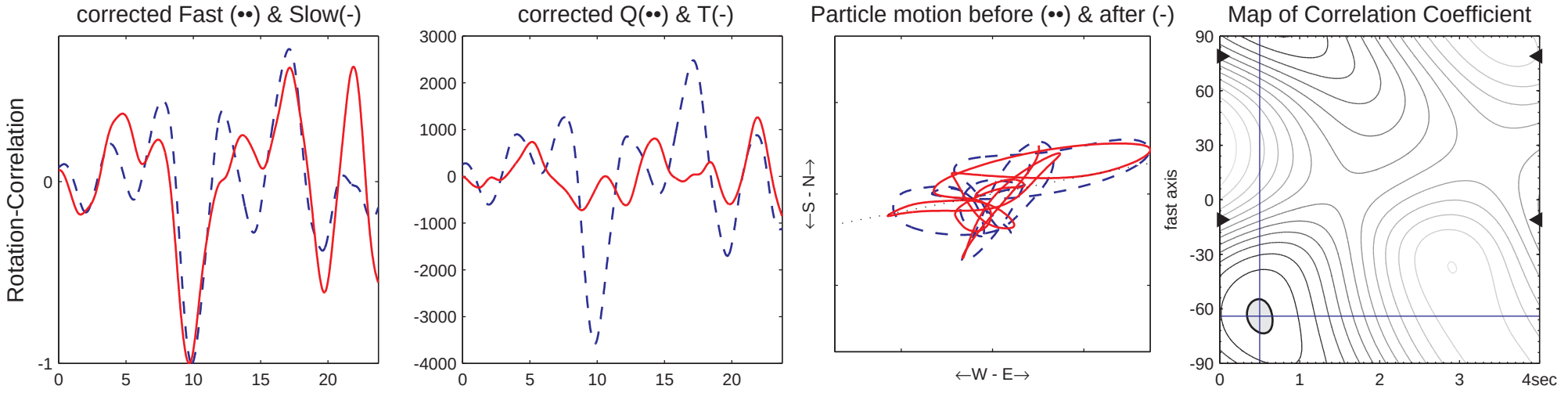


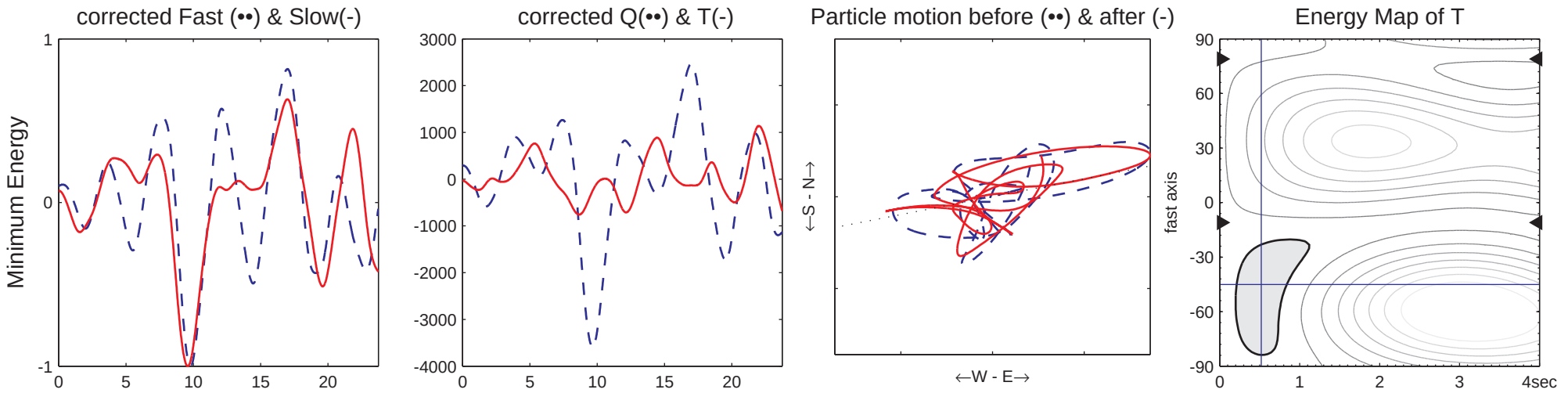
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **BNN** Backazimuth: **259.0”** Distance: **112.52”**
init.Pol.: **70.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

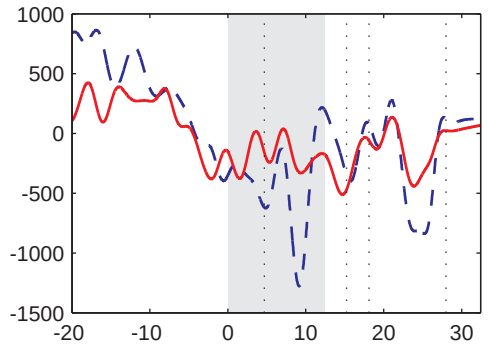
Rotation Correlation: -75< -64° < -56 0.4<0.5s<0.7
Minimum Energy: -86< -45° < -23 0.2<0.5s<1.1
Eigenvalue: 76< -73° < -27 0.2<0.5s<1.2
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.9”**



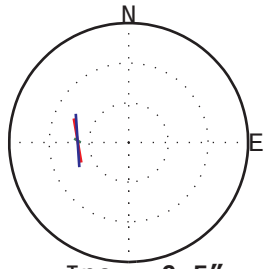




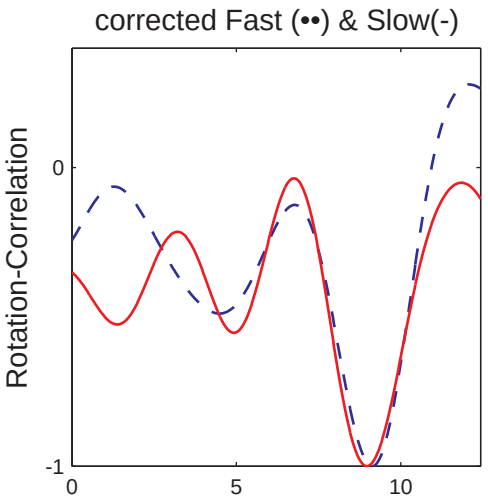
Event: **16-Aug-2007 (228) 05:16 -14.28N -76.13E 23km Mw=6.3**
Station: **BNN** Backazimuth: **272.3”** Distance: **115.92”**
init.Pol.: **96.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

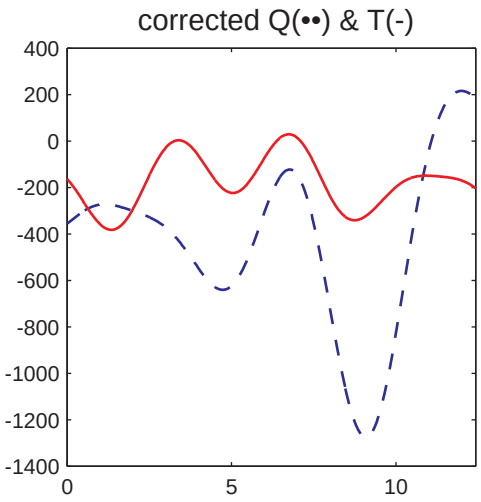
Rotation Correlation:	84<	-60° < -25	0.0<0.2s<2.0
Minimum Energy:	-Inf<	-10° < Inf	0.0<1.4s<Inf
Eigenvalue:	-Inf<	-4° < Inf	0.0<1.7s<Inf

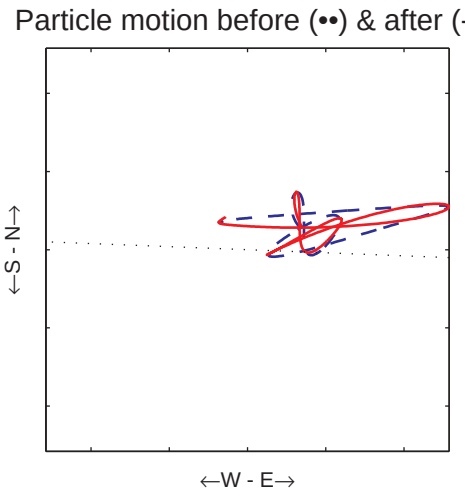
Quality: **good** IsNull: **Yes** Phase: **SKS**

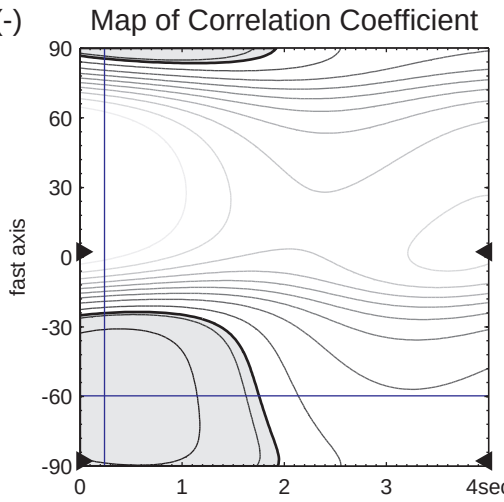


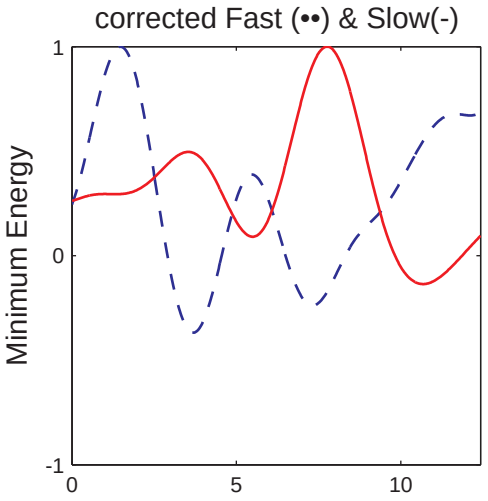
Inc = **6.5”**

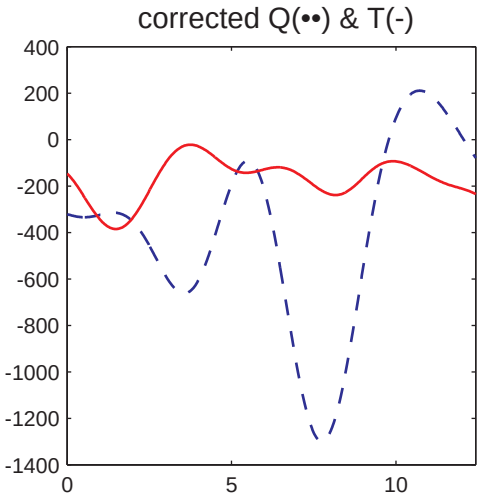


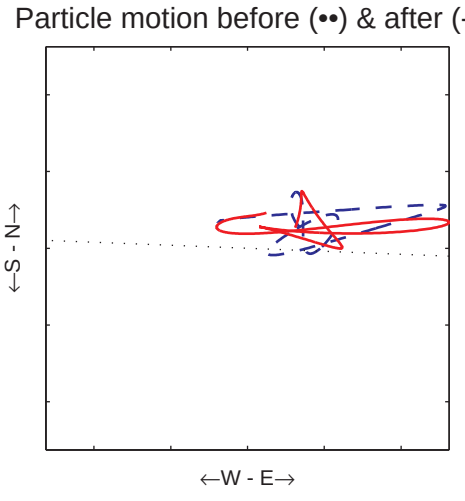


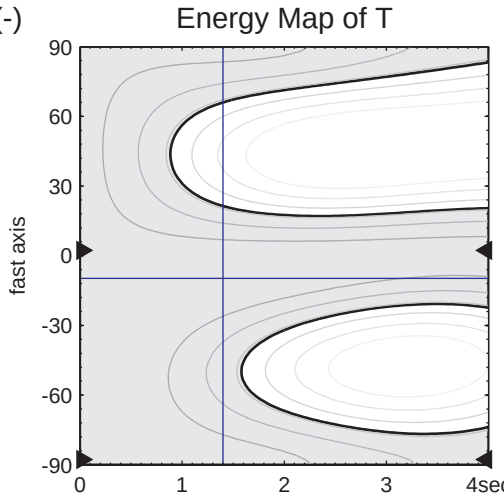


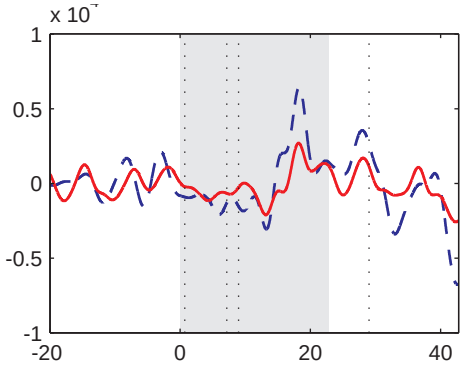








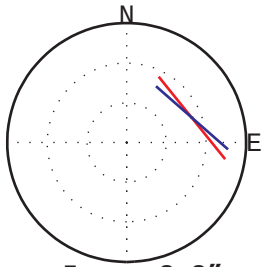




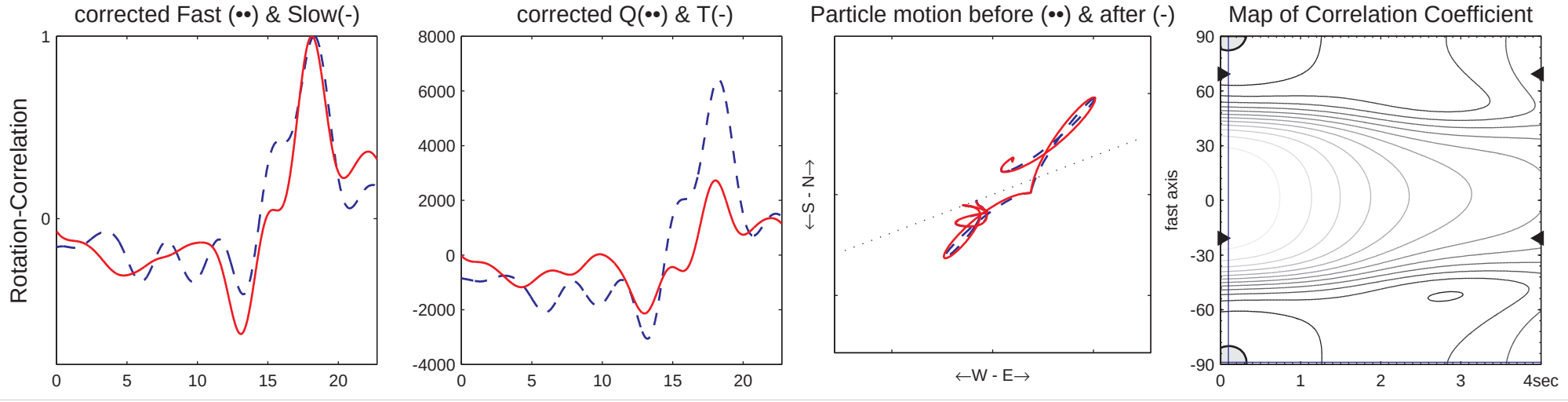
Event: **30-Sep-2007 (273) 02:08 10.46N 145.68E 14km Mw=7.1**
Station: **BNN** Backazimuth: **69.2”** Distance: **98.39”**
init.Pol.: **231.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

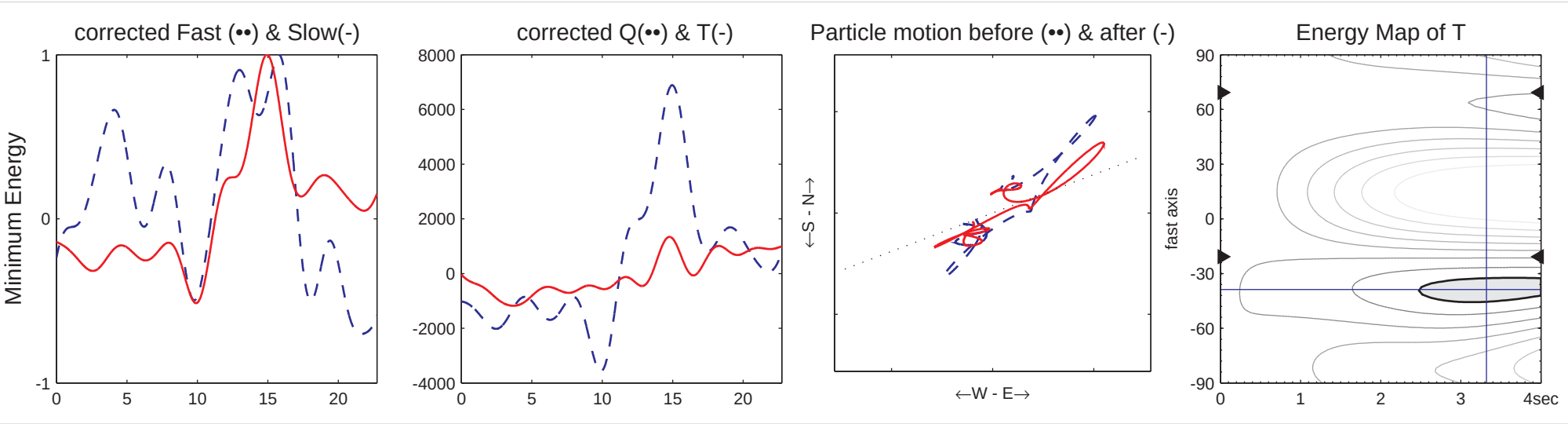
Rotation Correlation:	82<	-89° < -81	0.0<0.1s<0.3
Minimum Energy:	-48<	-39° < -33	2.5<3.3s<4.0
Eigenvalue:	-56<	-49° < -48	2.4<3.0s<3.6

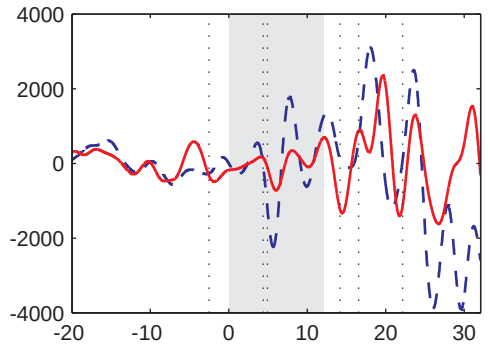
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **8.8”**



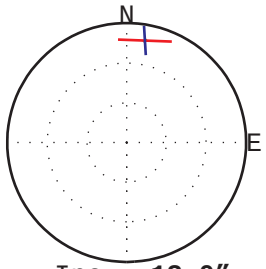




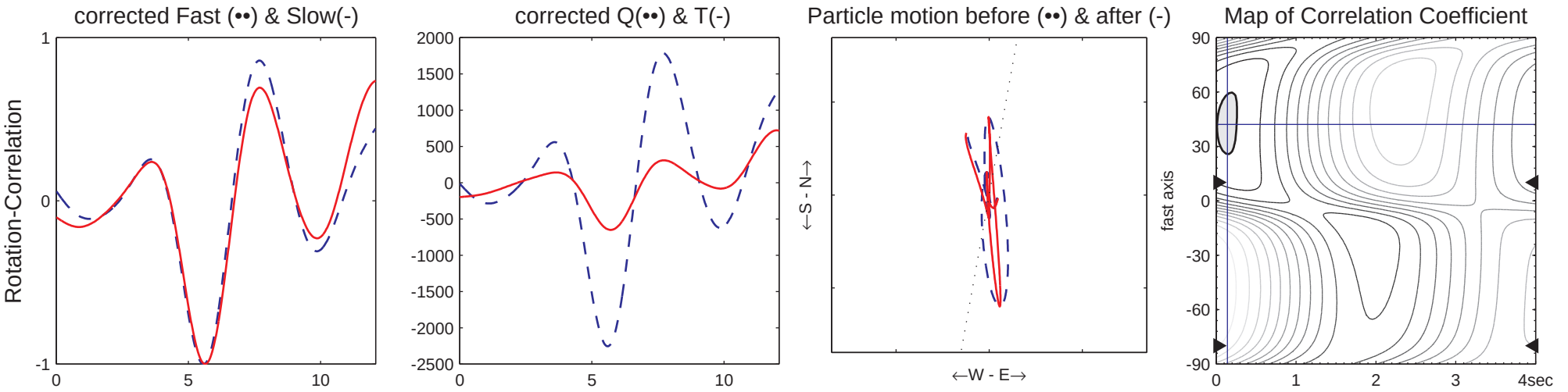
Event: **02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3**
Station: **BNN** Backazimuth: **10.1”** Distance: **85.35”**
init.Pol.: **169.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

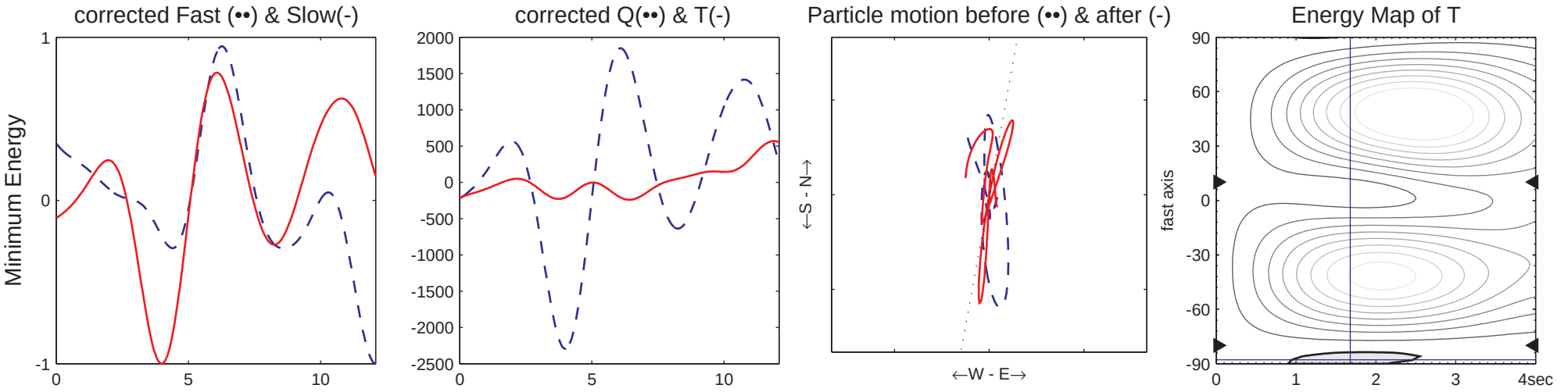
Rotation Correlation:	26<	42° <	60	0.0<0.1s<0.3
Minimum Energy:	-92<	-88° <	-86	1.0<1.7s<2.6
Eigenvalue:	-9<	-4° <	84	0.0<0.9s<1.3

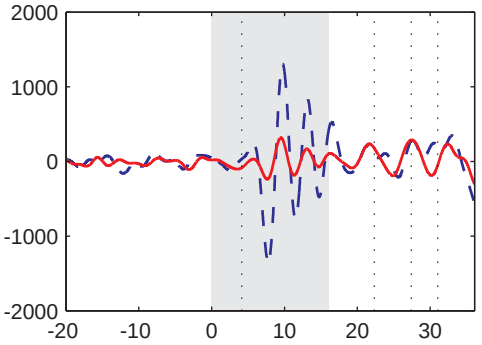
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **13.0”**



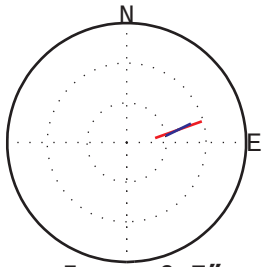




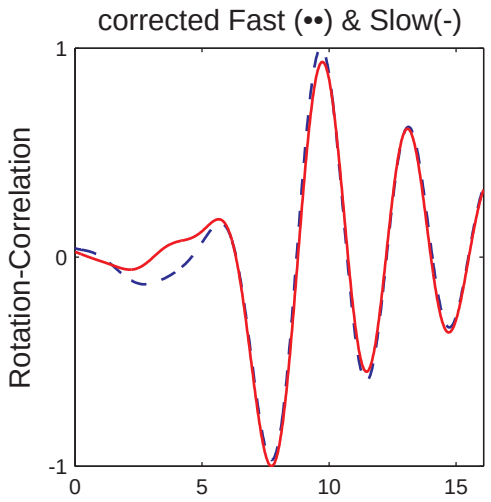
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **BNN** Backazimuth: **76.1”** Distance: **113.88”**
init.Pol.: **247.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.9**

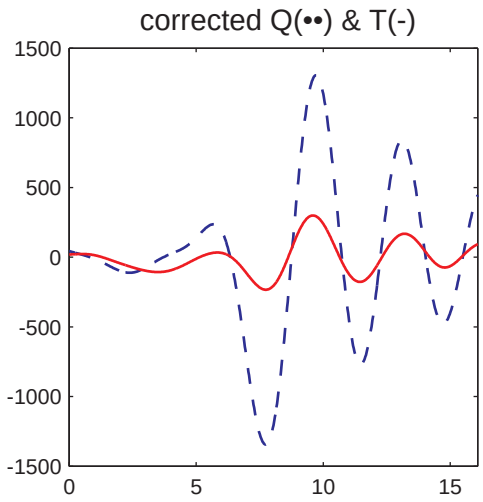
Rotation Correlation:	5<	20° <	37	0.0<0.1s<0.1
Minimum Energy:	70<	70° <	72	1.3<1.6s<1.8
Eigenvalue:	-23<	64° <	70	0.0<0.9s<1.6

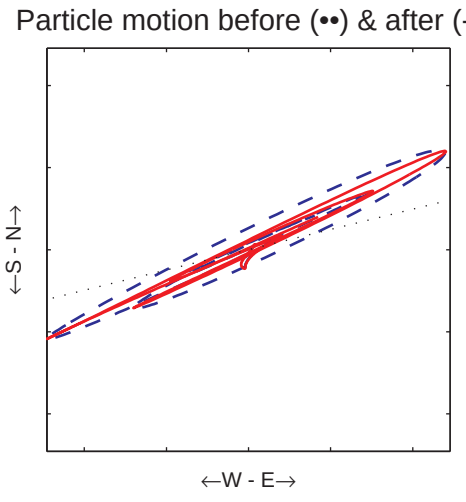
Quality: **good** IsNull: **Yes** Phase: **SKS**

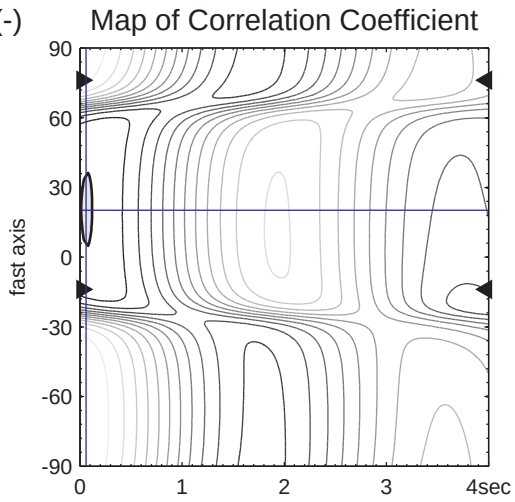


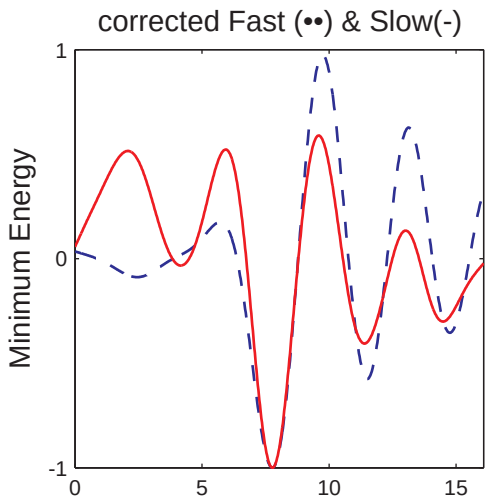
Inc = **6.7”**

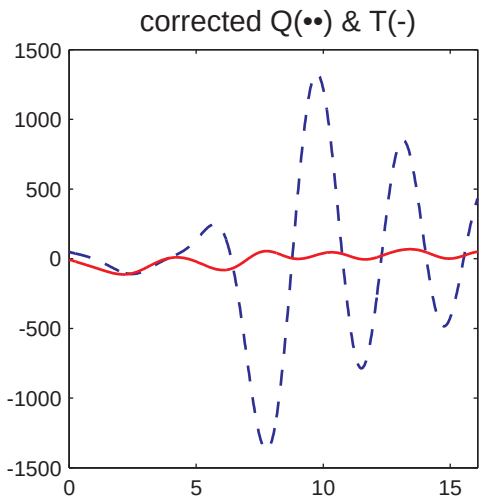


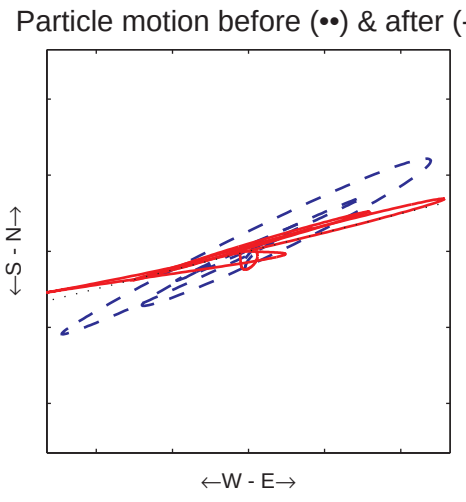


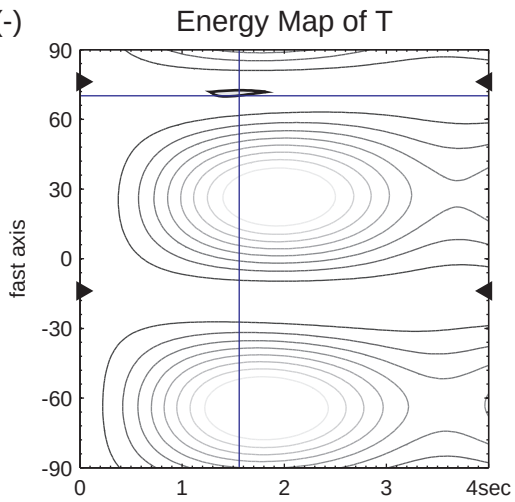


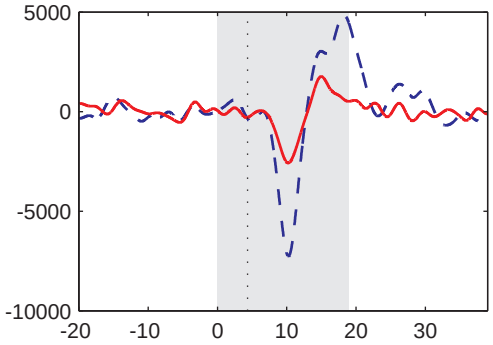








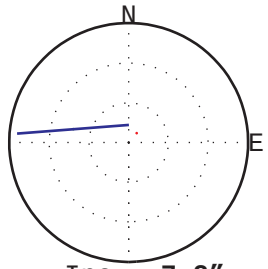


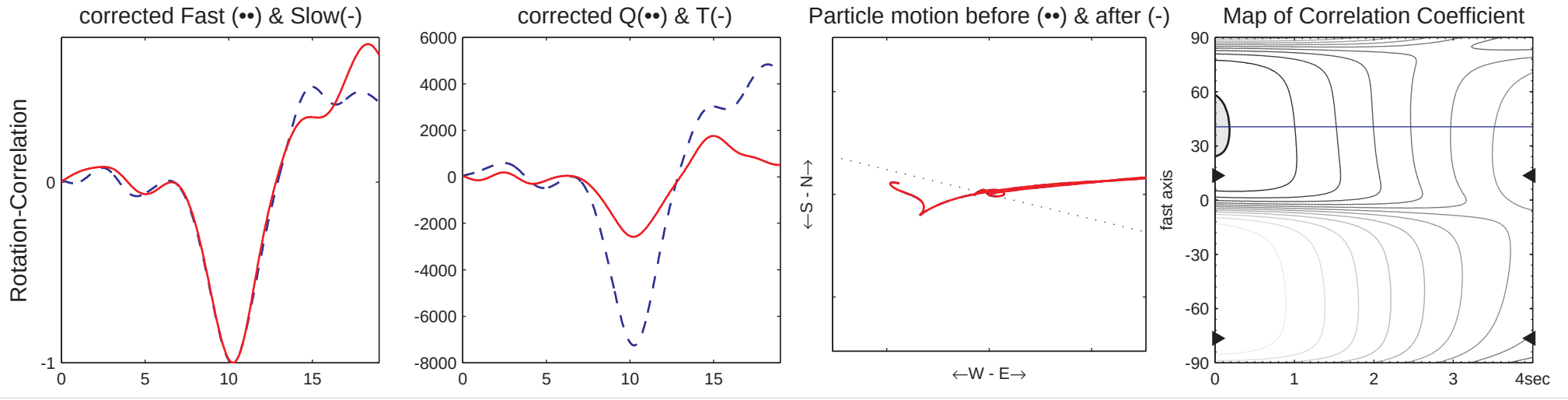


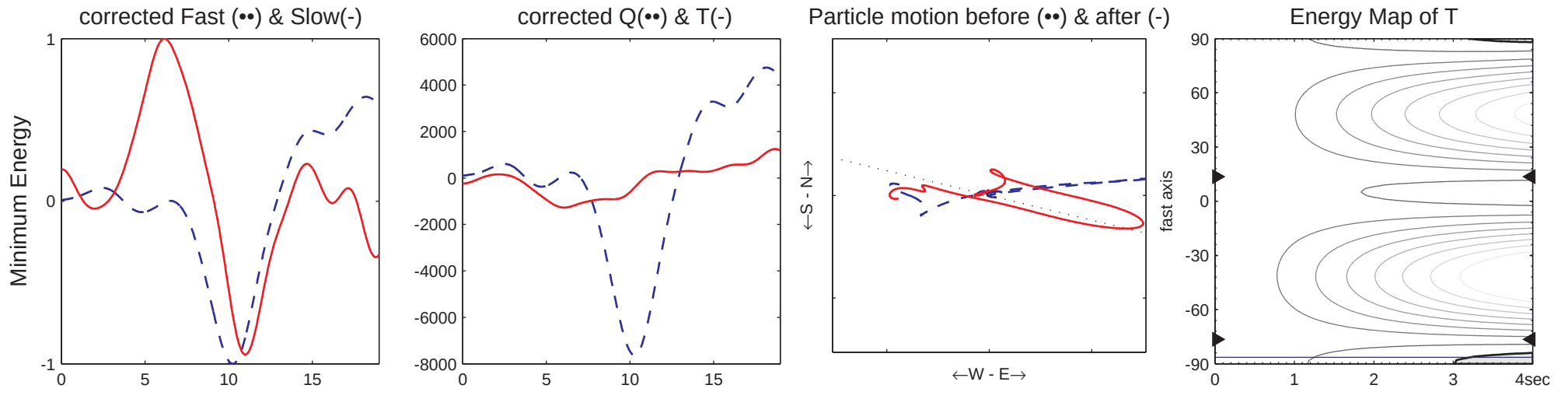
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **BNN** Backazimuth: **283.5”** Distance: **109.75”**
init.Pol.: **89.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

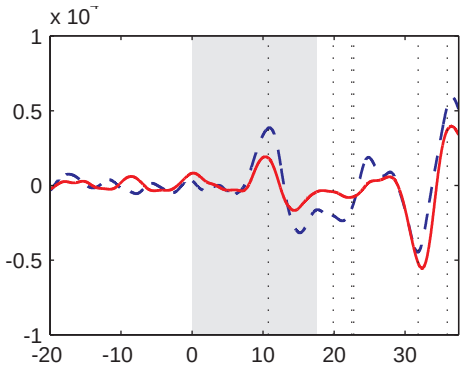
Rotation Correlation:	25<	41° <	58	0.0<0.0s<0.2
Minimum Energy:	88<	-86° <	-86	3.0<4.0s<4.0
Eigenvalue:	-3<	86° <	-9	0.1<3.5s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





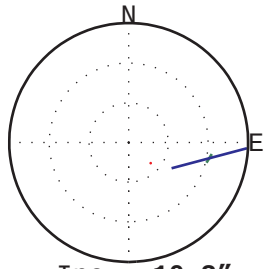




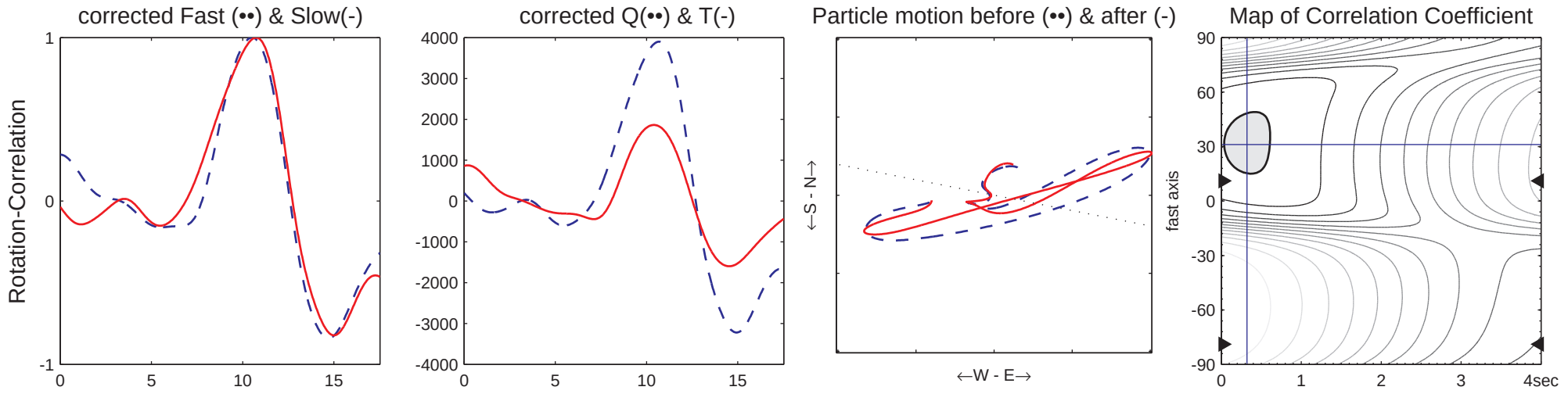
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **BNN** Backazimuth: **101.1”** Distance: **89.44”**
init.Pol.: **263.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

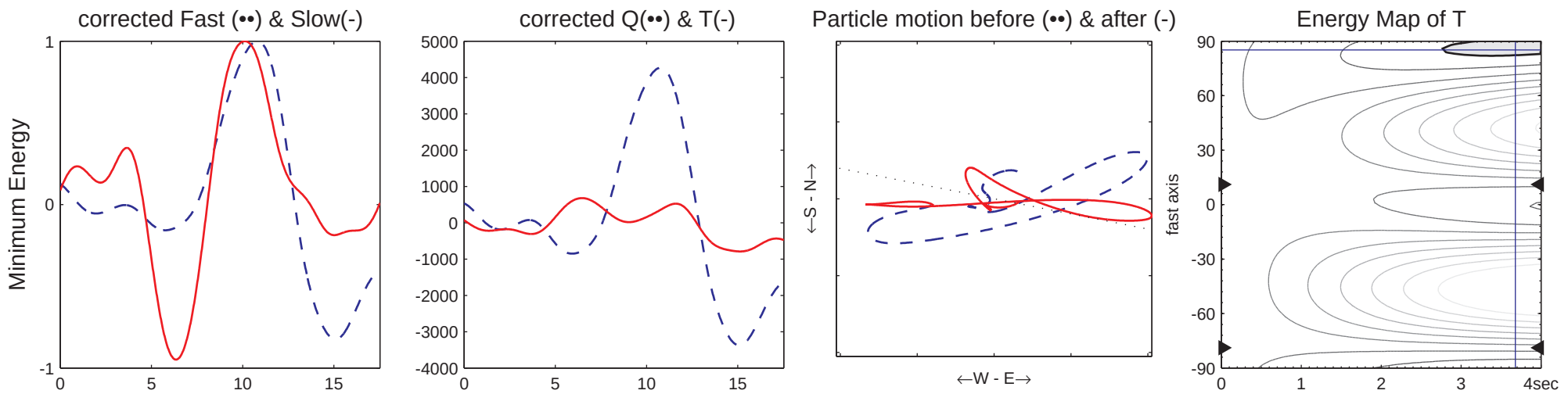
Rotation Correlation:	15<	31° <	49	0.0<0.3s<0.6
Minimum Energy:	82<	85° <	-92	2.8<3.7s<4.0
Eigenvalue:	72<	75° <	80	1.6<2.4s<3.3

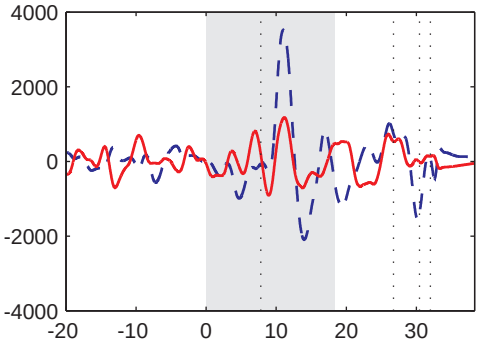
Quality: **fair** IsNull: **Yes** Phase: **SKS**



Inc = **10.3”**



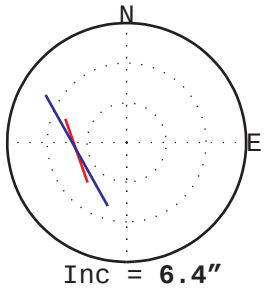


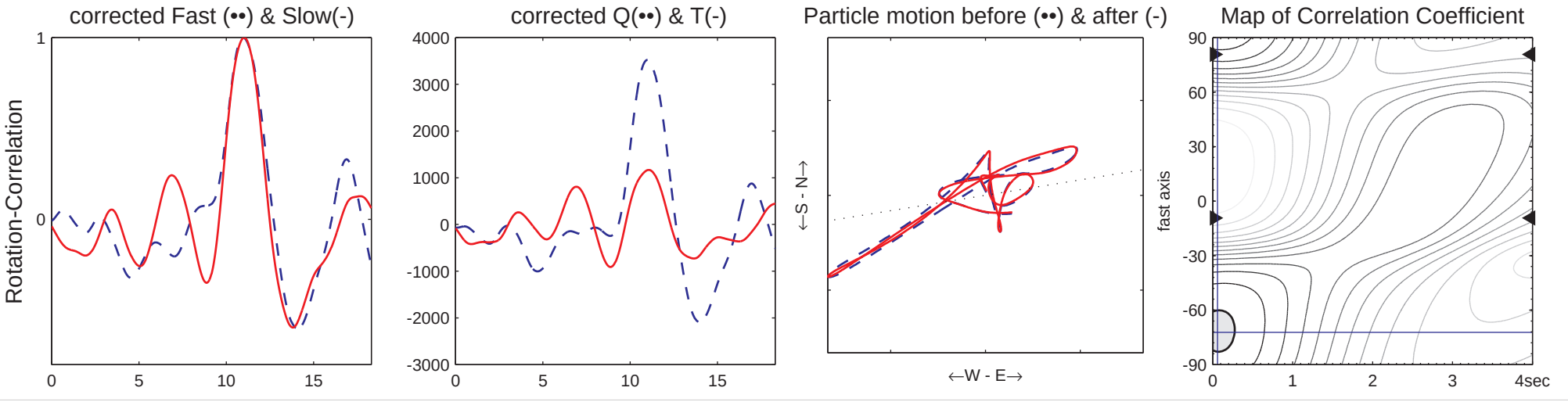


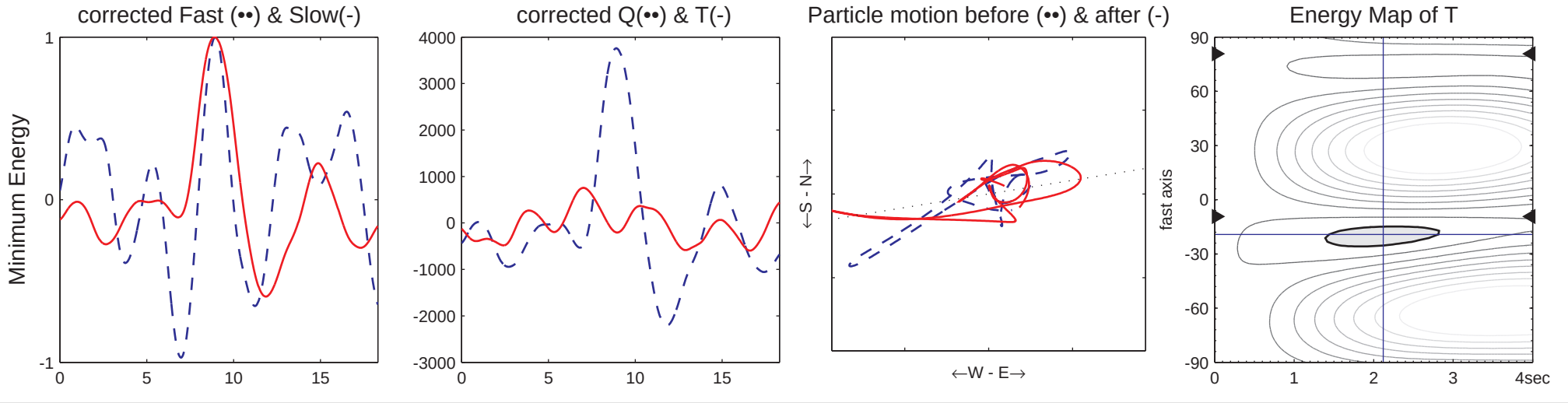
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km** Mw=**6.7**
Station: **BNN** Backazimuth: **260.7”** Distance: **116.27”**
init.Pol.: **51.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.4**

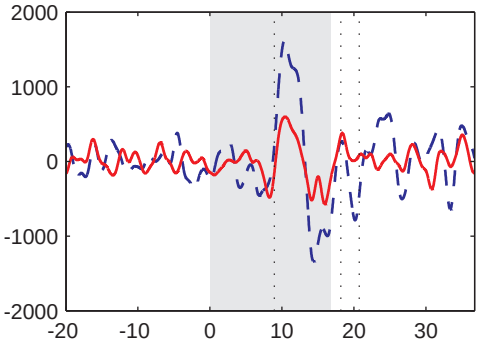
Rotation Correlation:	-84< -72° < -61	0.0<0.1s<0.3
Minimum Energy:	-27< -19° < -17	1.4<2.1s<2.8
Eigenvalue:	-37< -29° < -25	3.6<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





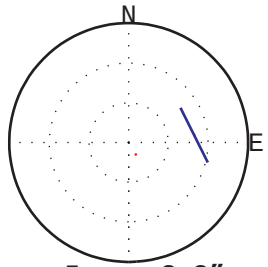


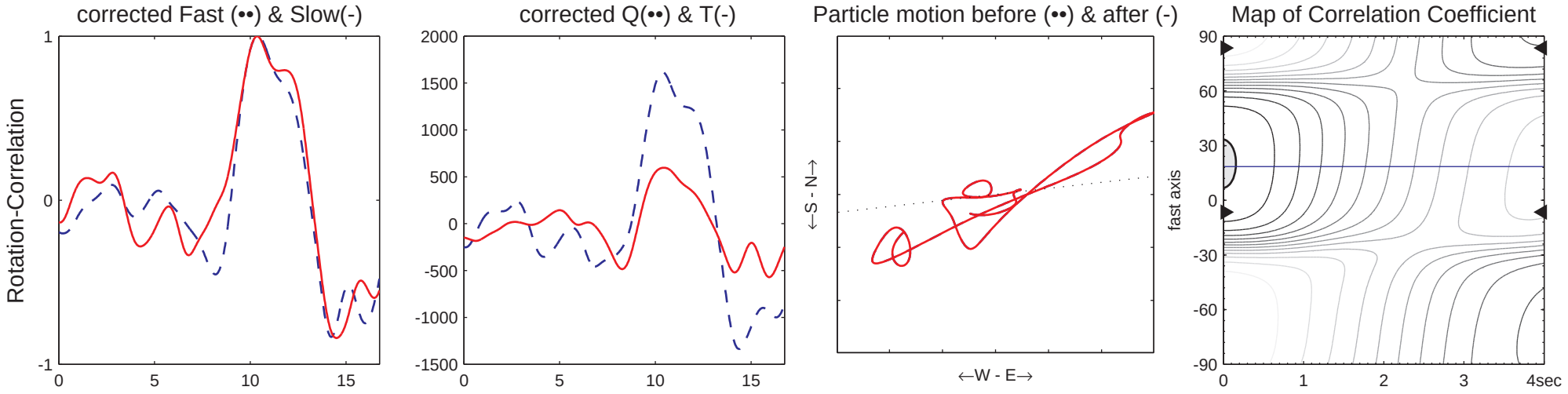


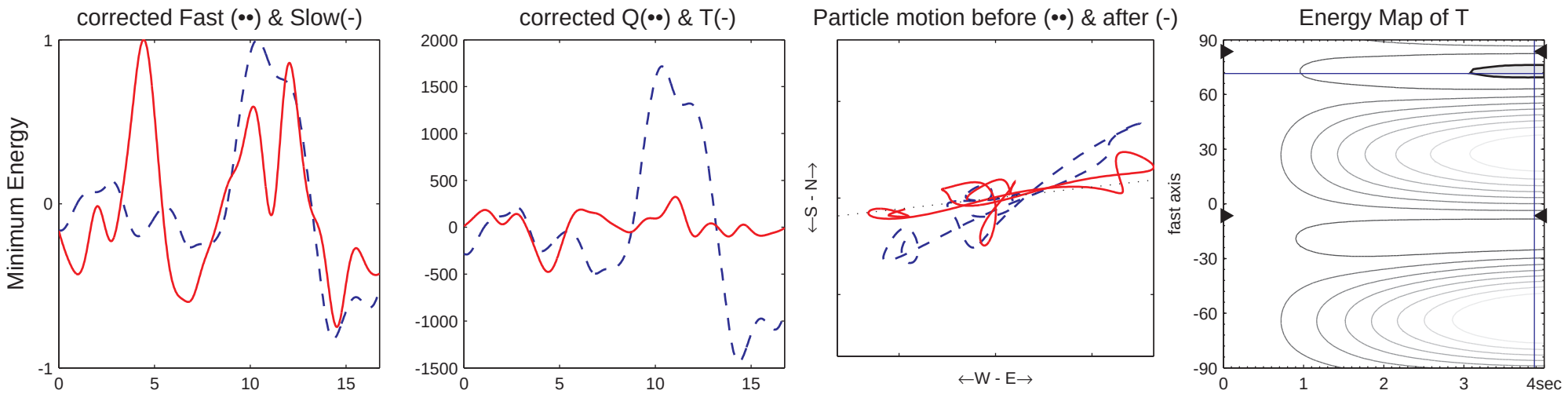
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **BNN** Backazimuth: **83.5”** Distance: **101.79”**
init.Pol.: **246.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

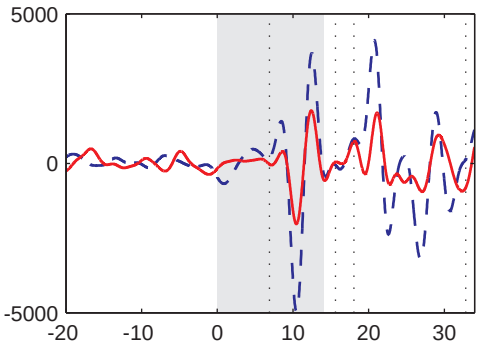
Rotation Correlation:	7<	19° <	34	0.0<0.0s<0.2
Minimum Energy:	70<	72° <	76	3.1<3.9s<4.0
Eigenvalue:	-Inf<	-26° <	Inf	0.0<1.9s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





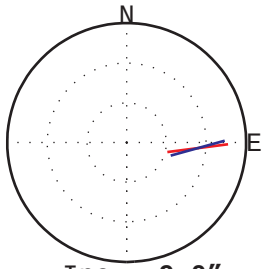




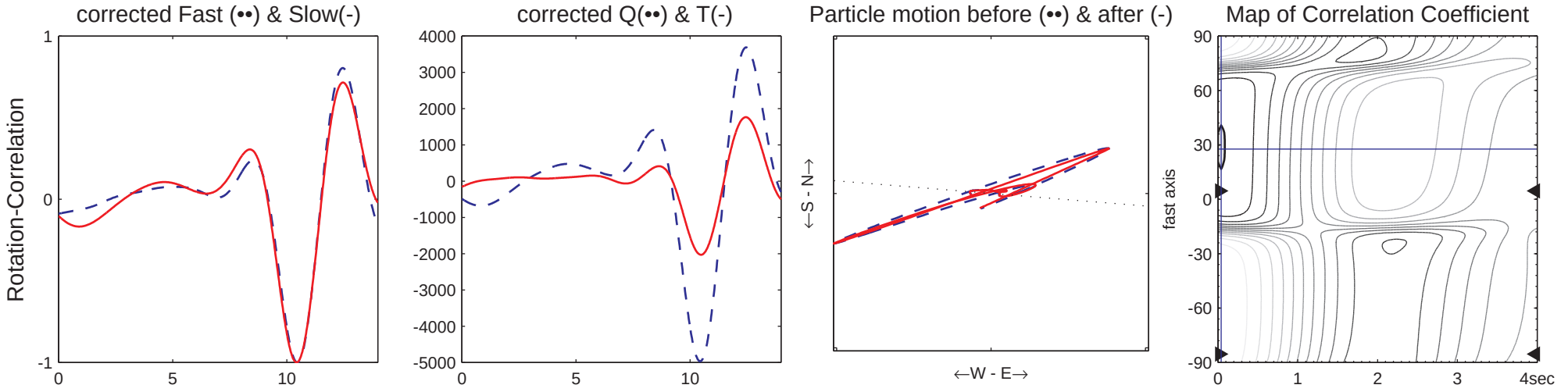
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **BNN** Backazimuth: **94.6”** Distance: **97.28”**
init.Pol.: **259.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.8**

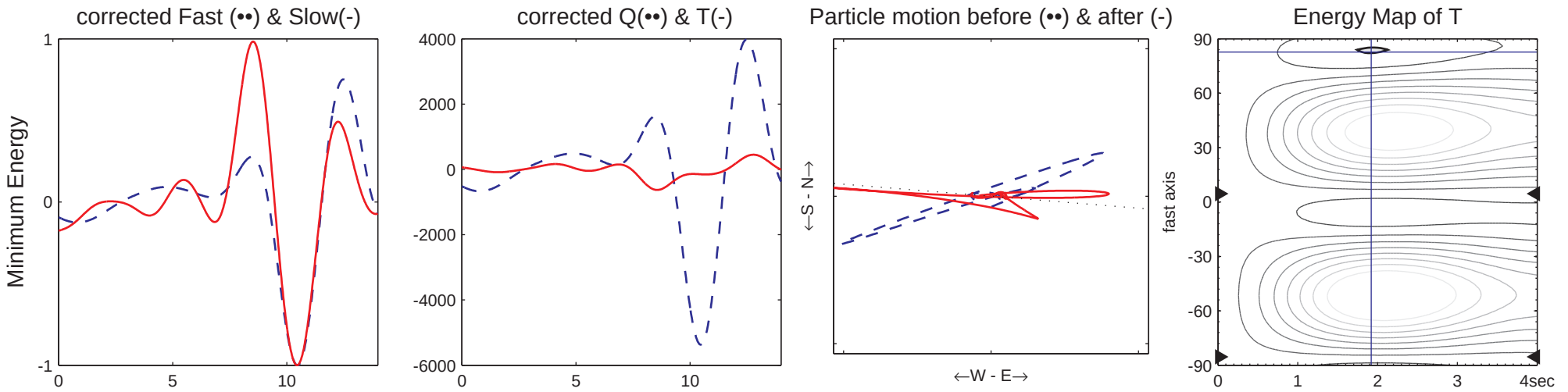
Rotation Correlation:	17<	28° <	41	0.0<0.0s<0.1
Minimum Energy:	82<	83° <	86	1.8<1.9s<2.1
Eigenvalue:	76<	75° <	76	1.6<1.8s<1.9

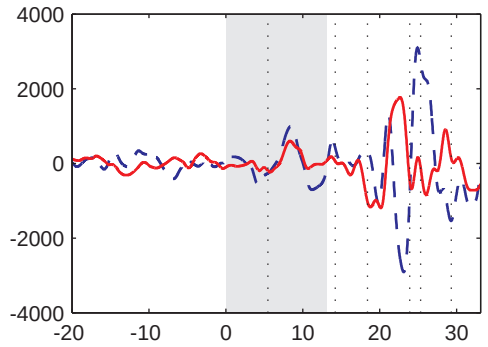
Quality: **fair** IsNull: **Yes** Phase: **SKS**



Inc = **9.0”**



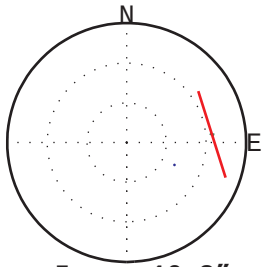




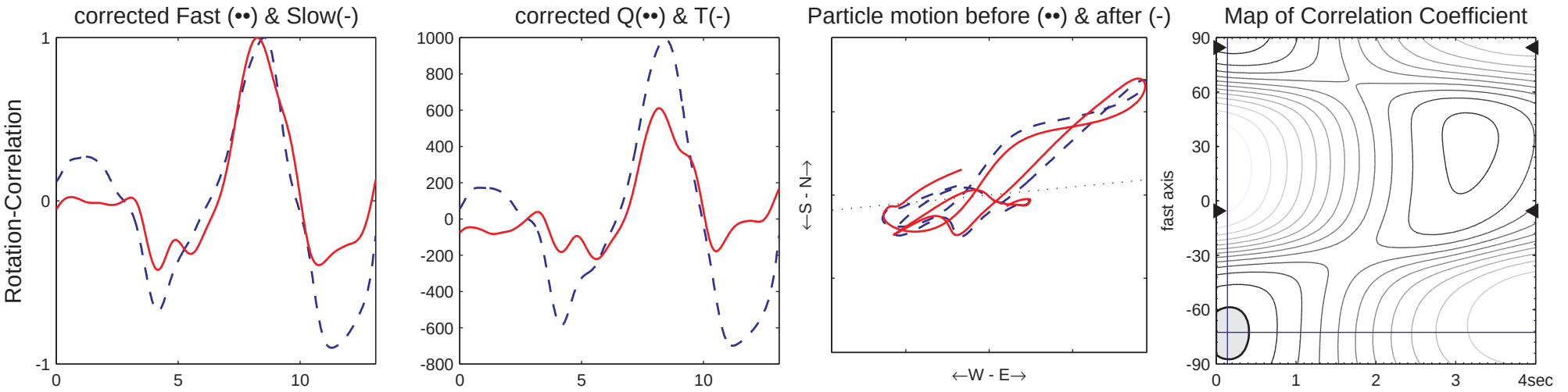
Event: **20-Mar-2008 (080) 14:10 6.19N 126.93E 45km Mw=6.1**
Station: **BNN** Backazimuth: **84.5”** Distance: **86.96”**
init.Pol.: **33.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

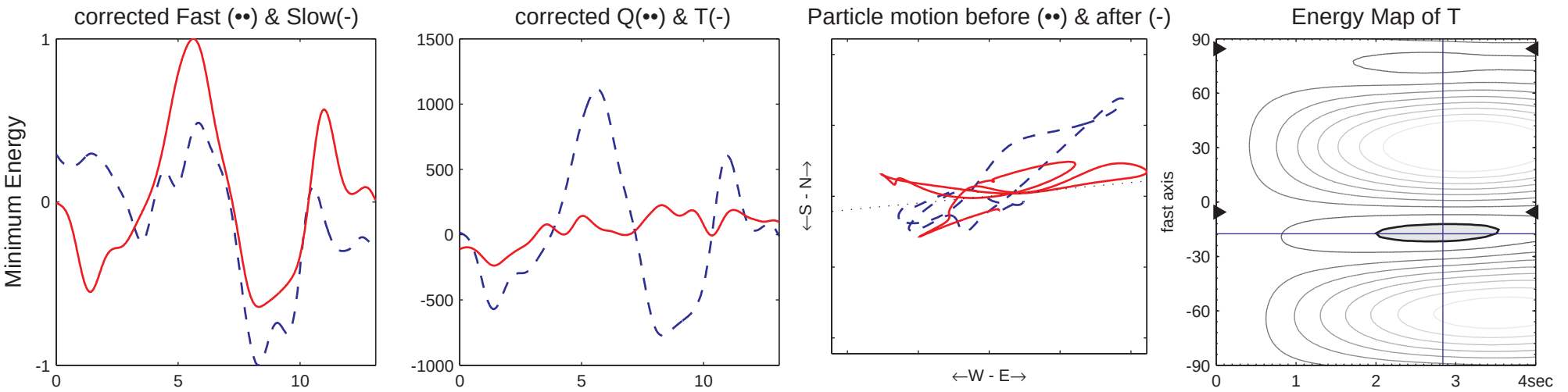
Rotation Correlation:	-88<	-73° < -60	0.0<0.1s<0.4
Minimum Energy:	-23<	-18° < -15	2.0<2.8s<3.5
Eigenvalue:	43<	50° < 62	2.4<3.0s<3.4

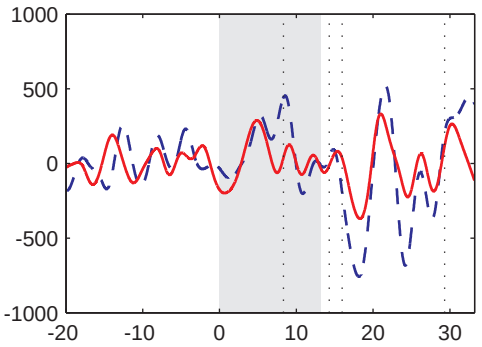
Quality: **fair** IsNull: **Yes** Phase: **SKS**



Inc = **10.8”**



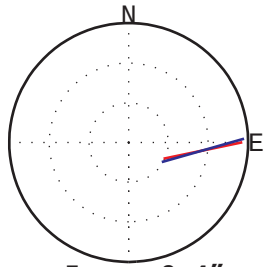


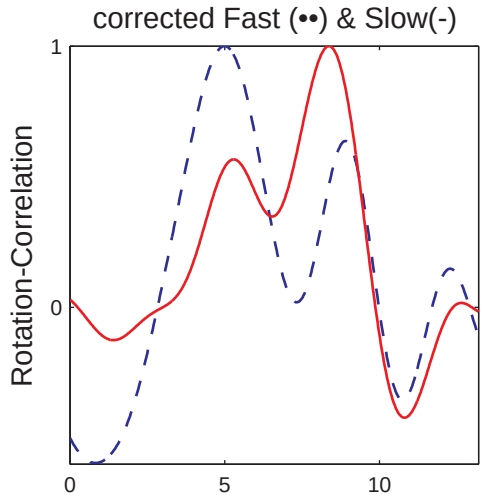


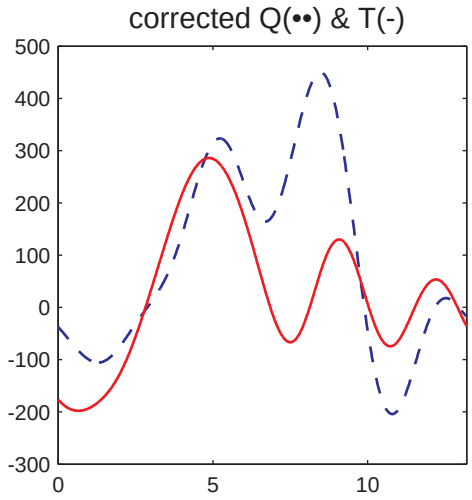
Event: **19-Apr-2008 (110) 03:12 -7.82N 125.69E 13km Mw=6.1**
Station: **BNN** Backazimuth: **96.2”** Distance: **94.77”**
init.Pol.: **267.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.9**

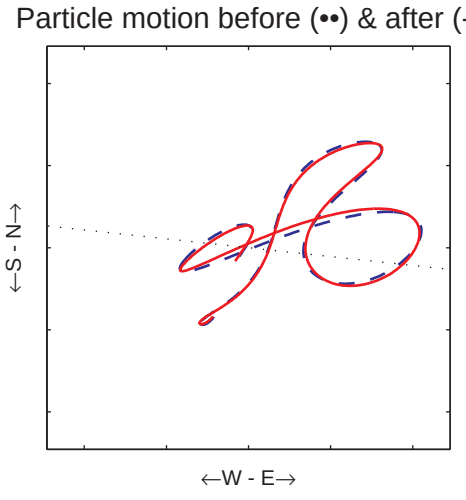
Rotation Correlation:	12<	22° <	35	0.0<0.1s<0.4
Minimum Energy:	68<	78° <	-92	1.6<2.5s<4.0
Eigenvalue:	60<	74° <	-92	1.7<2.7s<4.0

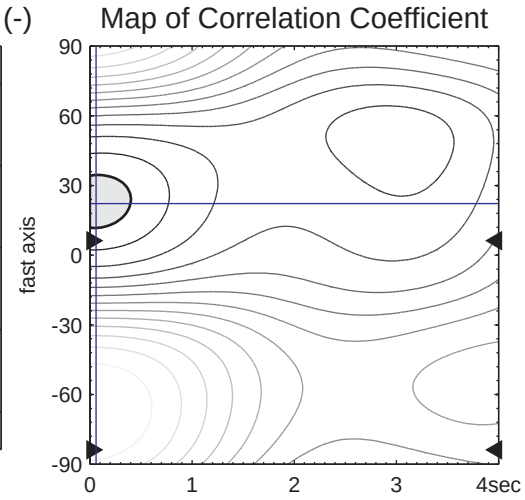
Quality: **fair** IsNull: **Yes** Phase: **SKS**

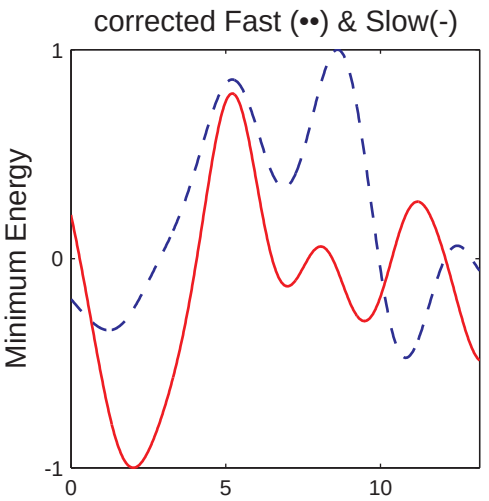


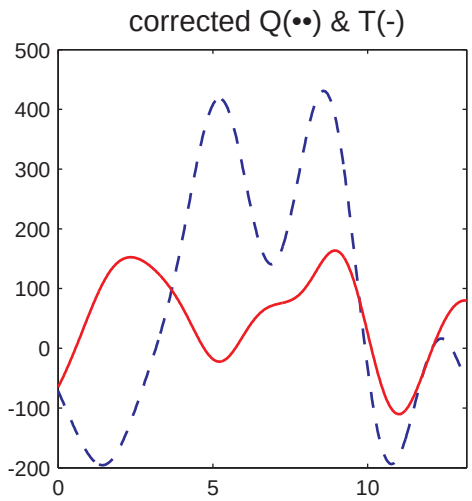


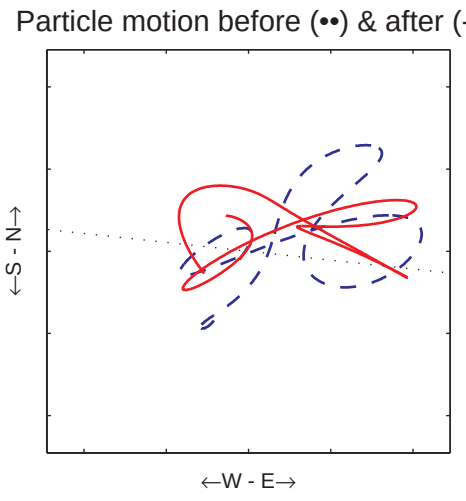


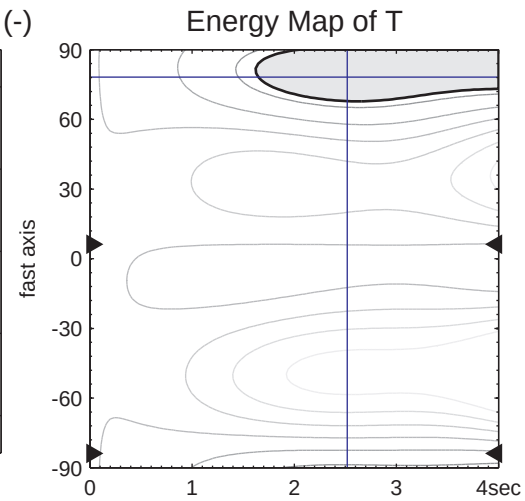


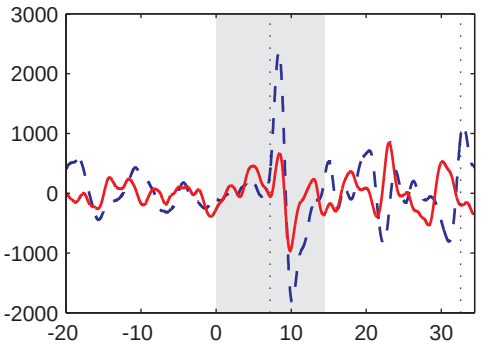








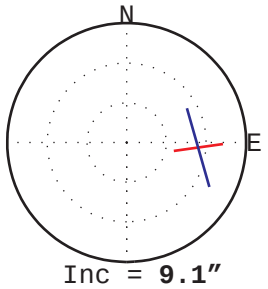


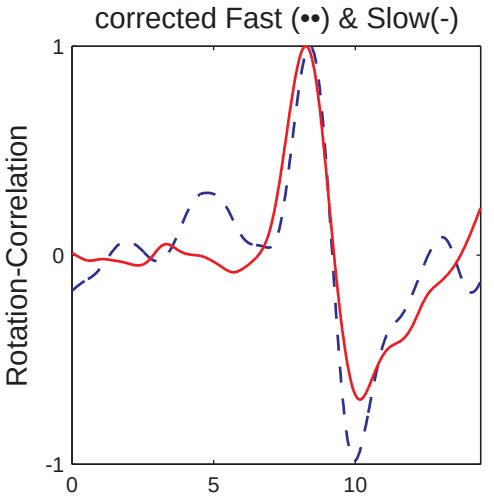


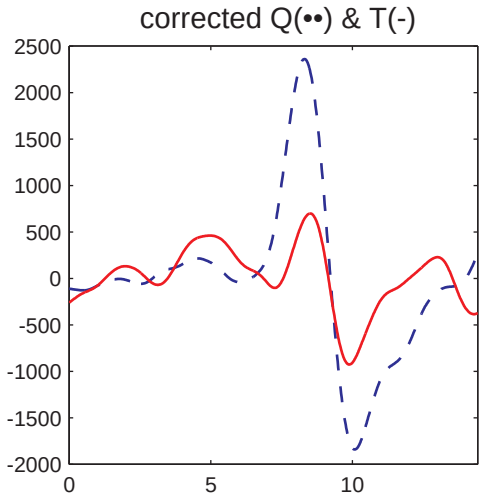
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **BNN** Backazimuth: **94.0”** Distance: **96.69”**
init.Pol.: **244.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

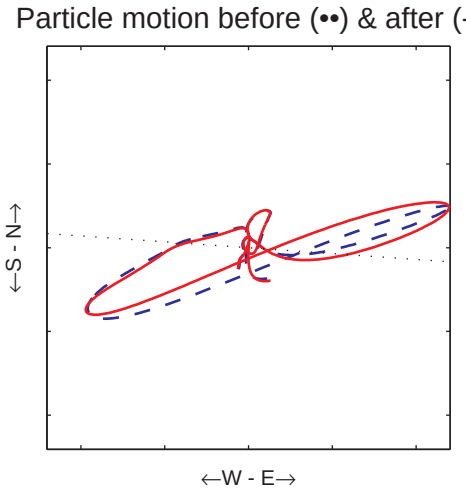
Rotation Correlation:	23<	31° <	42	0.0<0.1s<0.2
Minimum Energy:	80<	82° <	88	1.1<1.6s<2.0
Eigenvalue:	-23<	-16° <	-13	2.1<2.6s<3.2

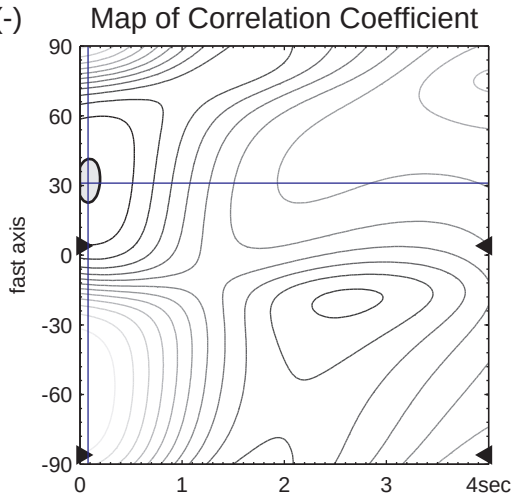
Quality: **good** IsNull: **Yes** Phase: **SKS**

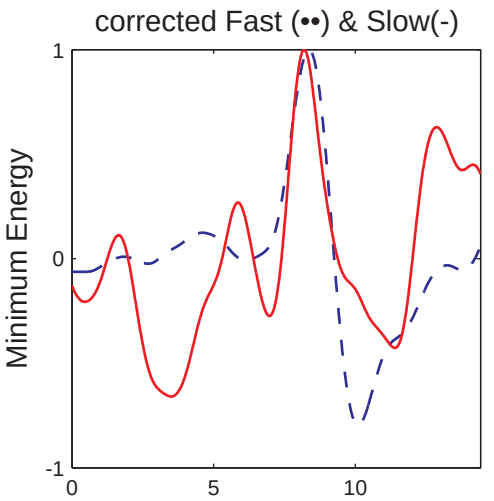


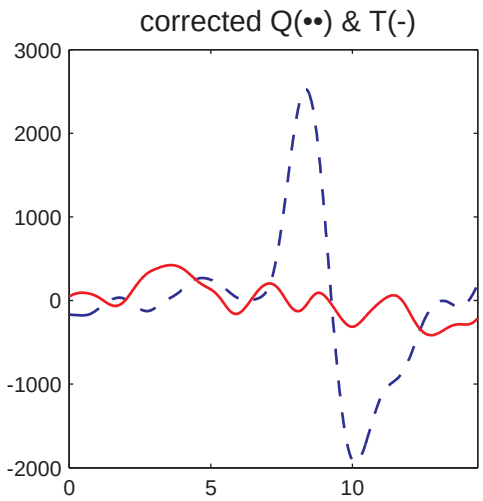


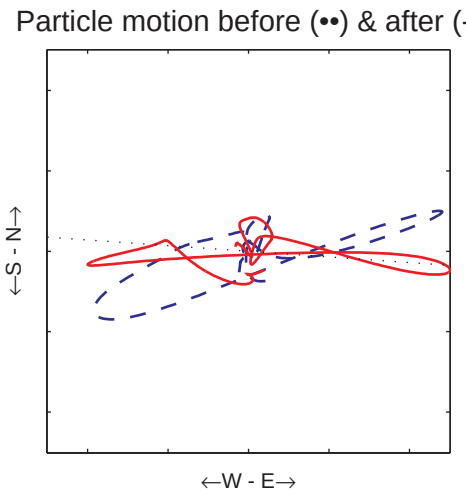


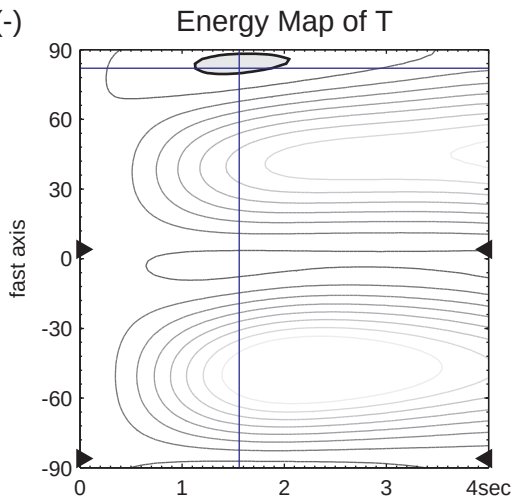


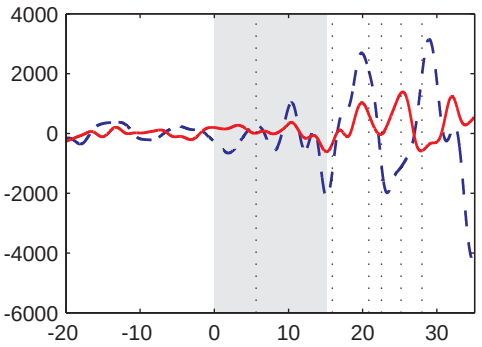








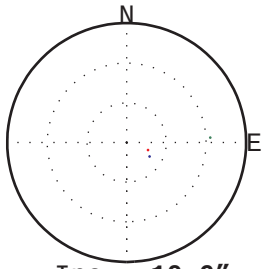




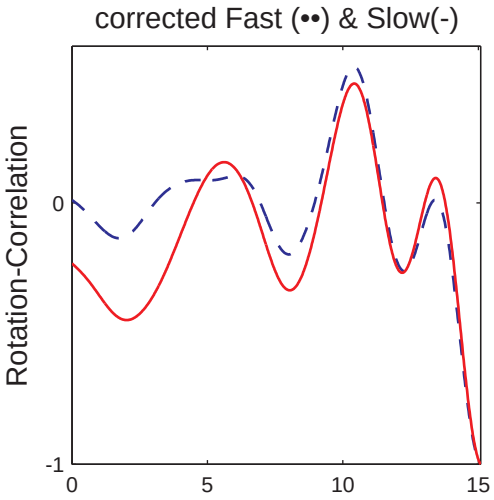
Event: **16-Mar-2009 (075) 14:15** **3.81N 126.55E** **35km** Mw=**6.3**
Station: **BNN** Backazimuth: **86.6”** Distance: **88.16”**
init.Pol.: **252.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

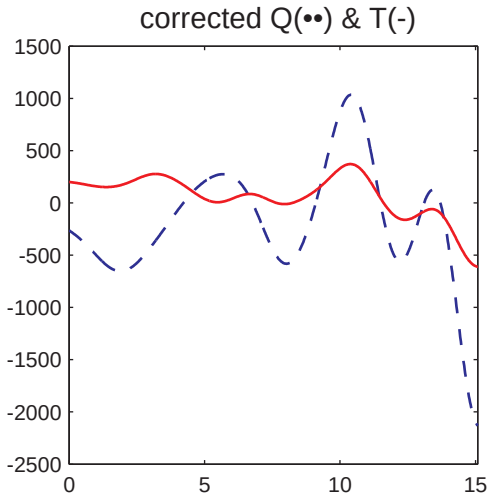
Rotation Correlation:	19<	31° <	45	0.0<0.0s<0.1
Minimum Energy:	76<	79° <	82	3.6<4.0s<4.0
Eigenvalue:	68<	73° <	78	2.0<4.0s<4.0

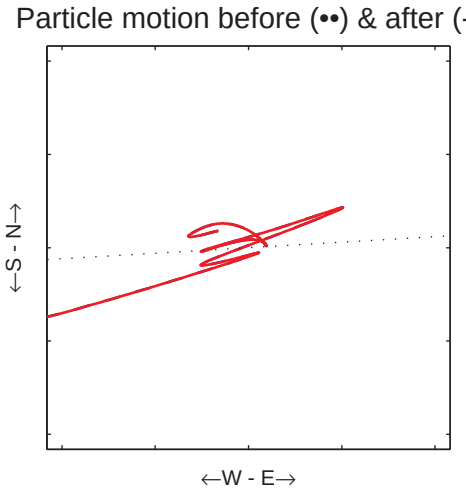
Quality: **good** IsNull: **Yes** Phase: **SKS**

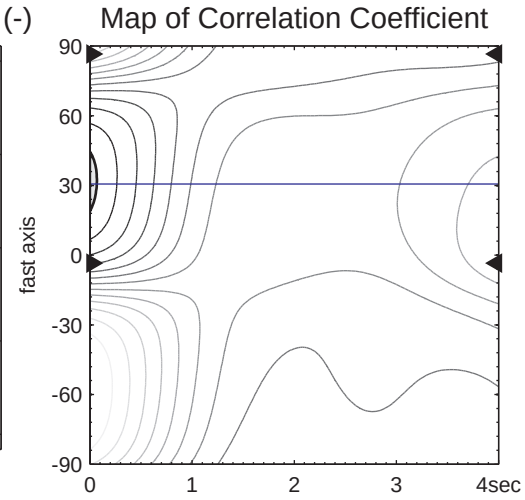


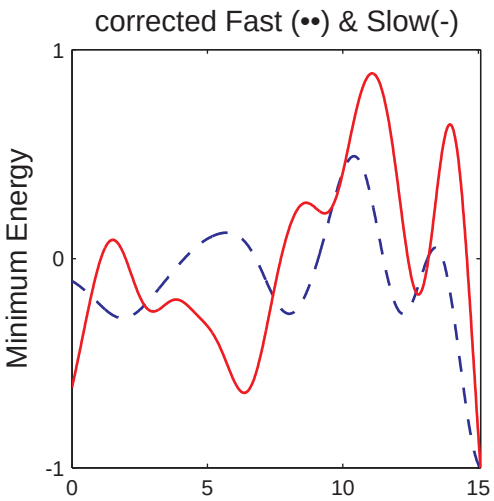
Inc = **10.6”**

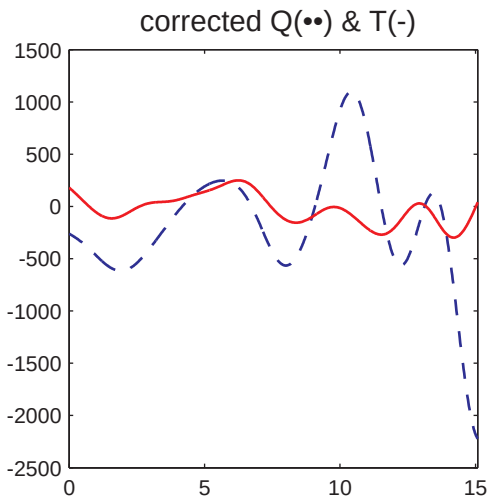


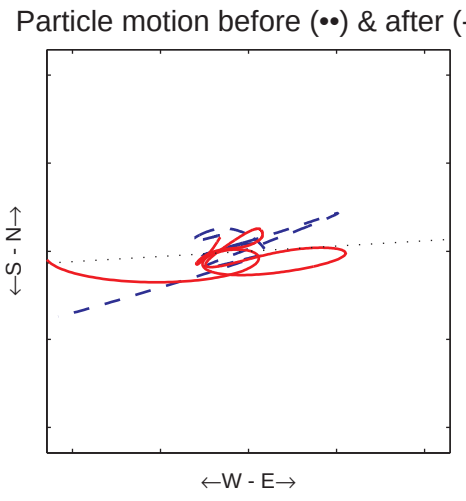


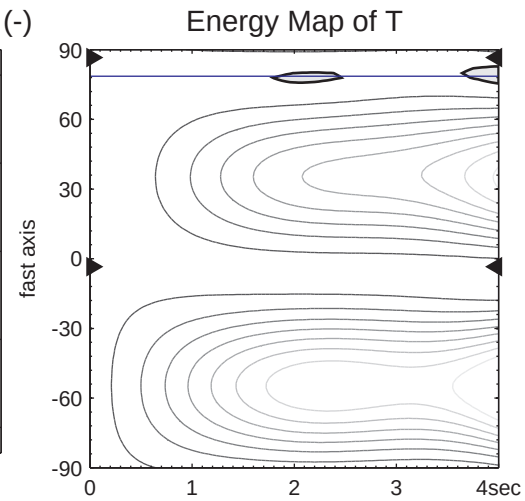


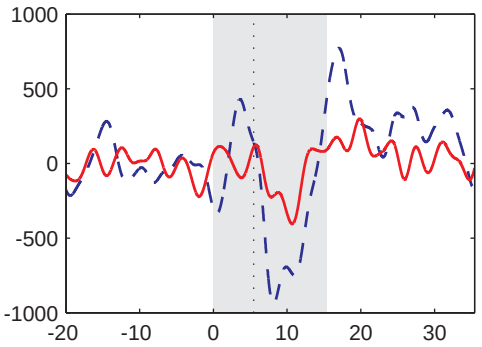








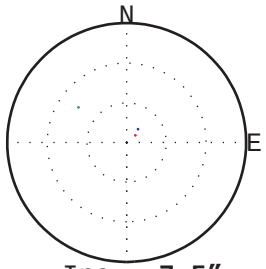




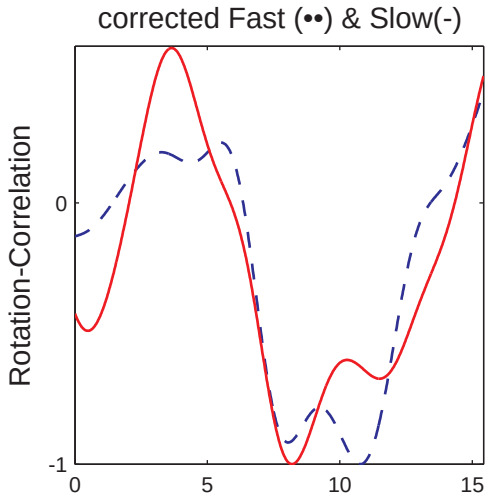
Event: **03-May-2009 (123) 16:21 14.55N -91.14E 108km Mw=6.3**
Station: **BNN** Backazimuth: **306.0”** Distance: **107.22”**
init.Pol.: **110.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.9**

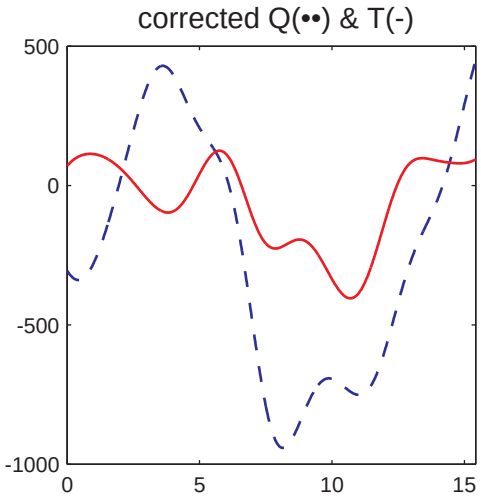
Rotation Correlation:	51<	66° <	84	0.0<0.0s<0.6
Minimum Energy:	-74<	-64° <	-60	2.8<4.0s<4.0
Eigenvalue:	-82<	-70° <	-66	0.6<4.0s<4.0

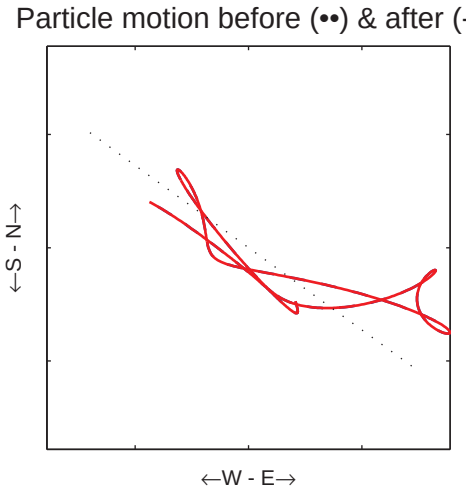
Quality: **good** IsNull: **Yes** Phase: **SKS**

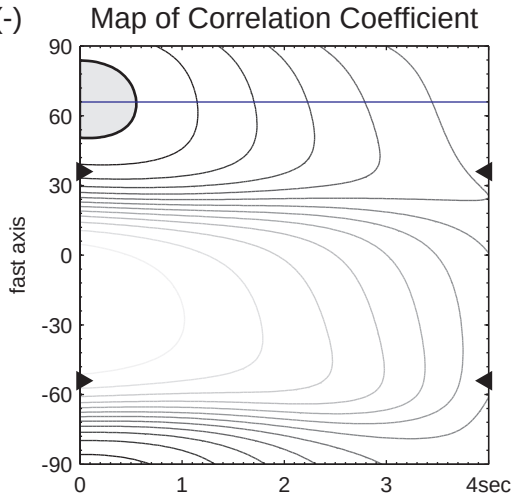


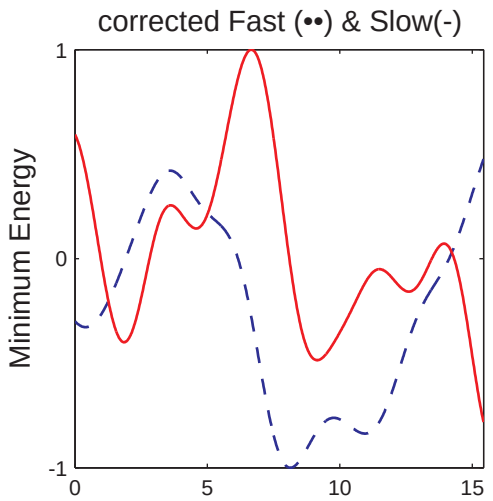
Inc = **7.5”**

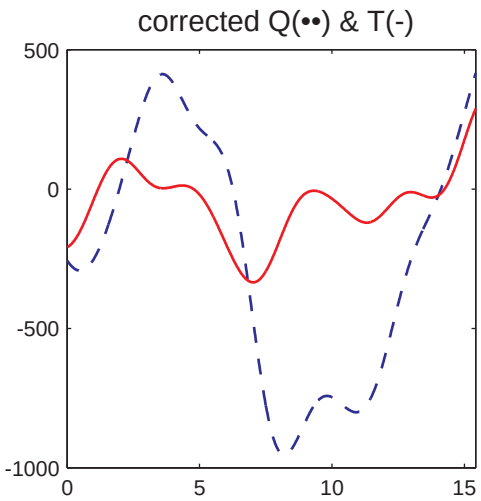


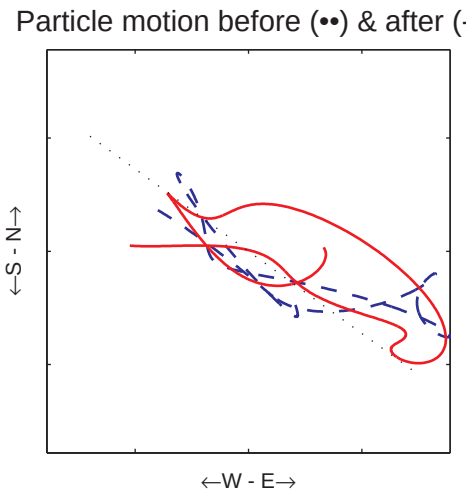


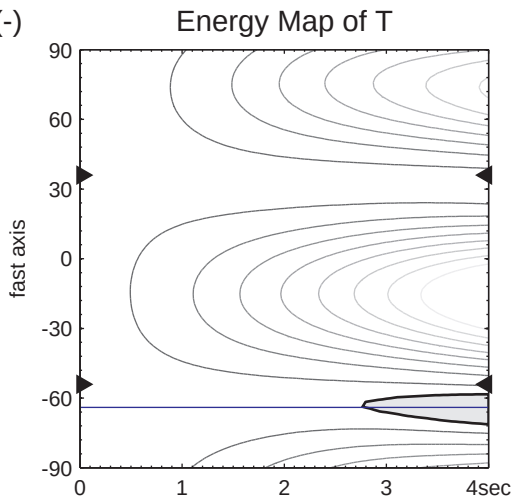


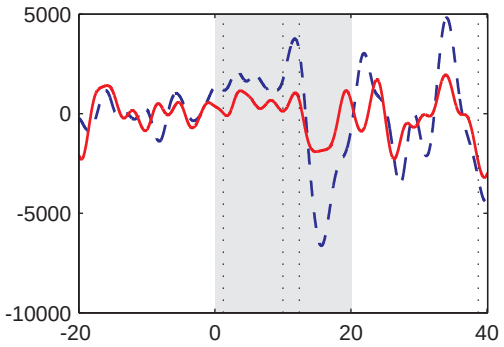








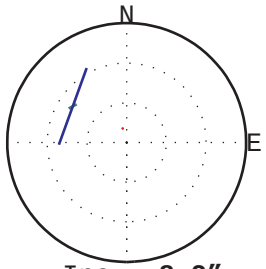




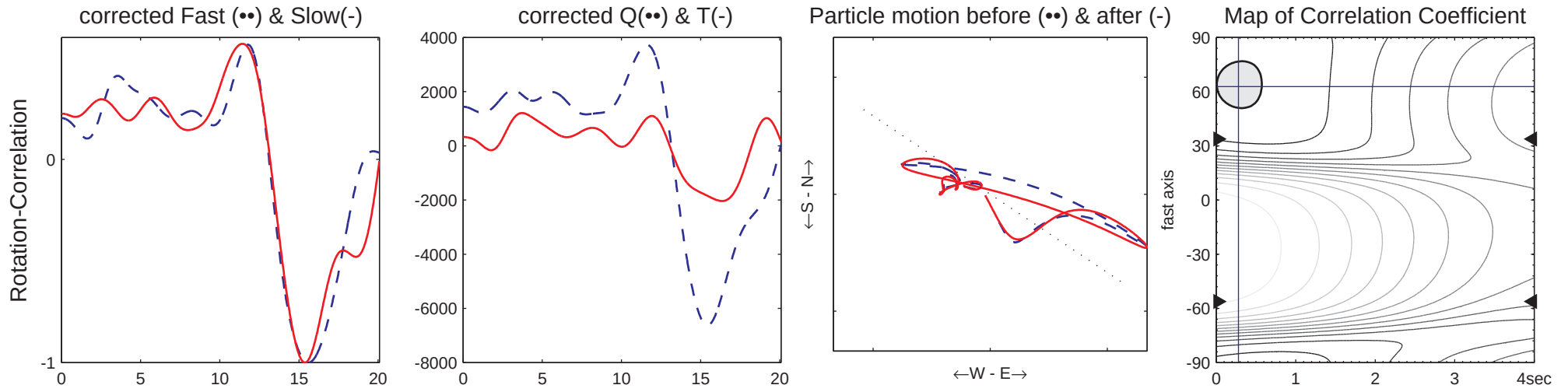
Event: **28-May-2009 (148) 08:24 16.73N -86.22E 19km Mw=7.3**
Station: **BNN** Backazimuth: **303.8”** Distance: **102.43”**
init.Pol.: **104.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

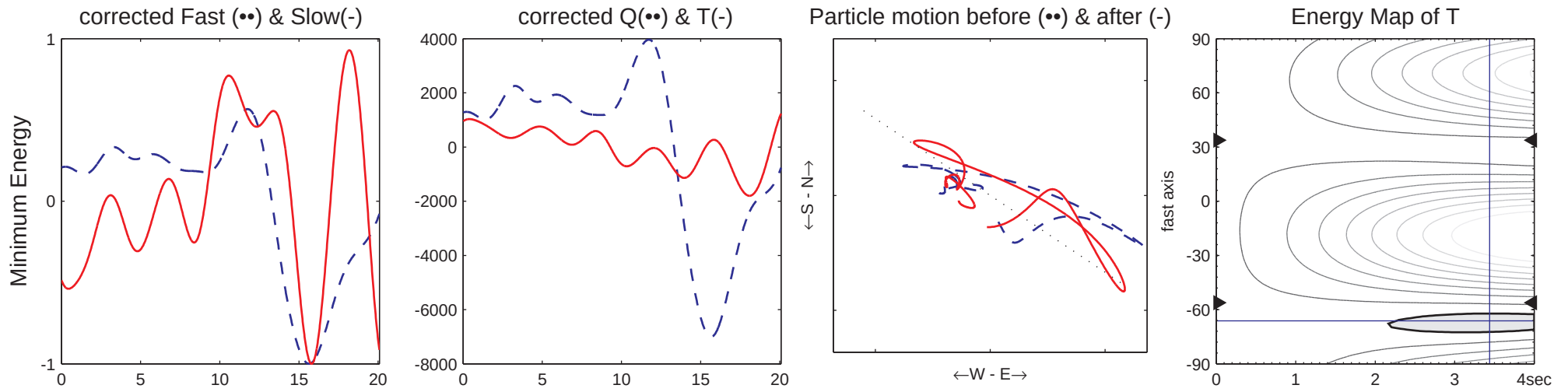
Rotation Correlation:	51<	63° <	77	0.0<0.3s<0.6
Minimum Energy:	-74<	-66° <	-64	2.2<3.4s<4.0
Eigenvalue:	13<	20° <	-80	0.1<2.6s<4.0

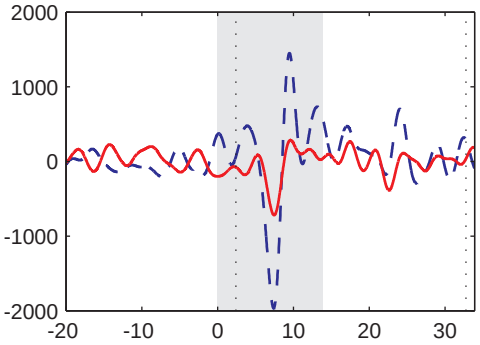
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **8.2”**



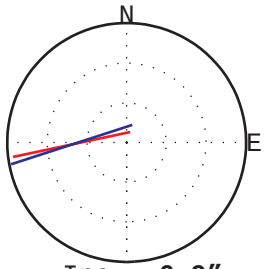




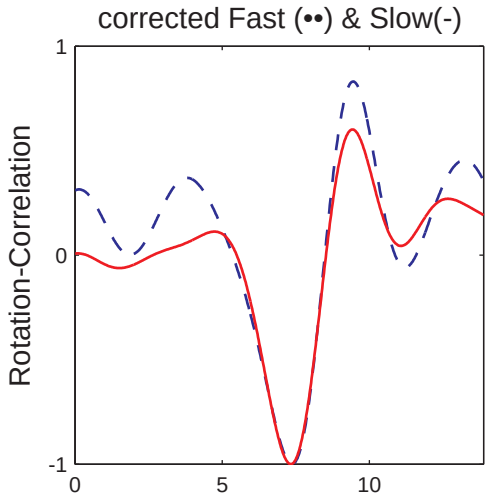
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km Mw=6.1**
Station: **BNN** Backazimuth: **268.0”** Distance: **111.95”**
init.Pol.: **75.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

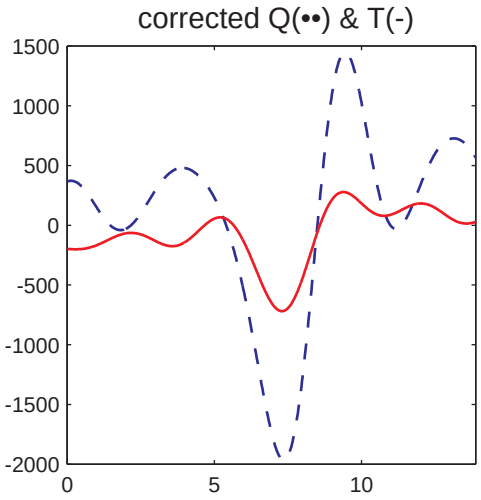
Rotation Correlation:	-75<	-62° <	-51	0.0<0.1s<0.2
Minimum Energy:	76<	78° <	84	3.0<3.8s<4.0
Eigenvalue:	70<	72° <	76	3.5<4.0s<4.0

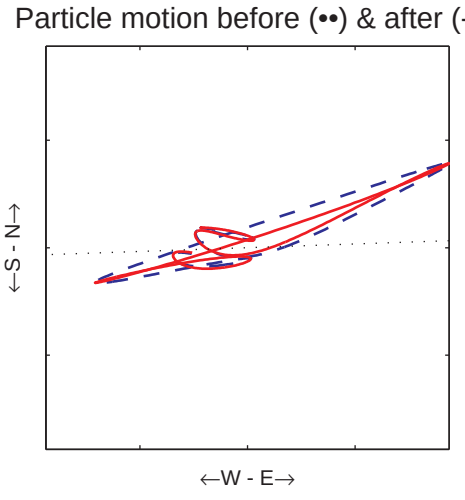
Quality: **good** IsNull: **Yes** Phase: **SKS**

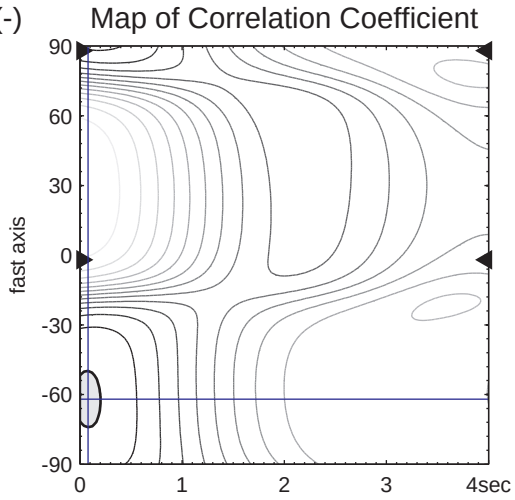


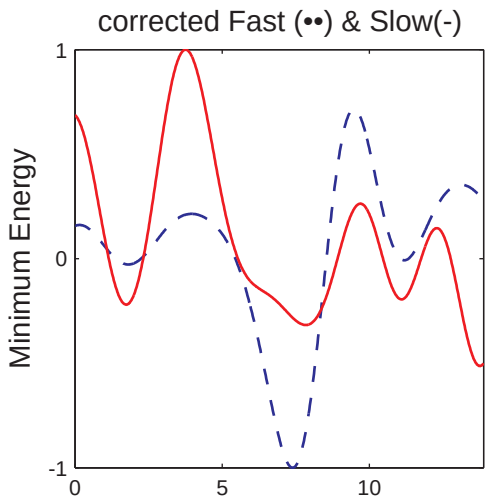
Inc = **6.9”**

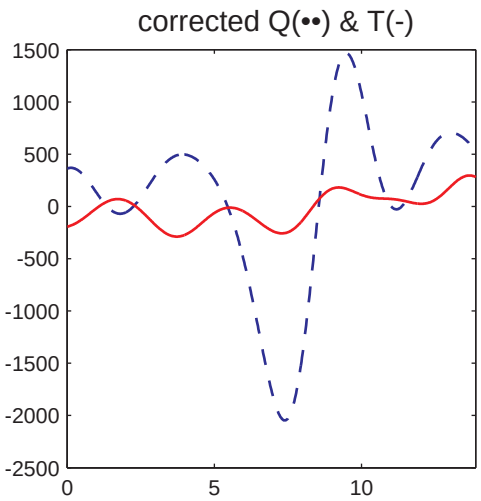


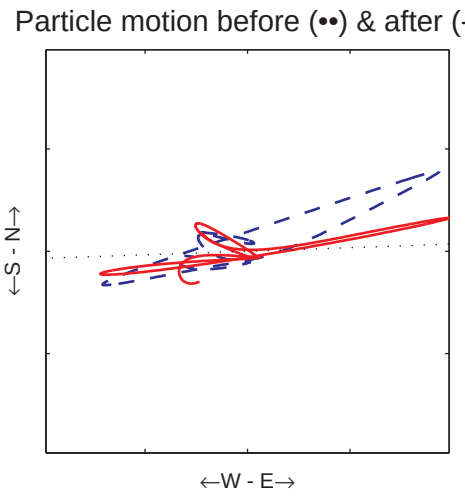


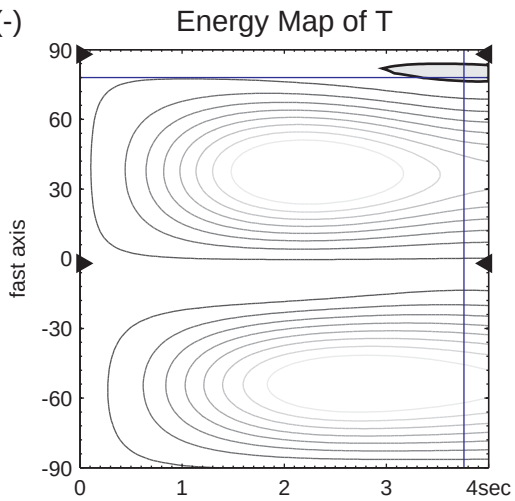


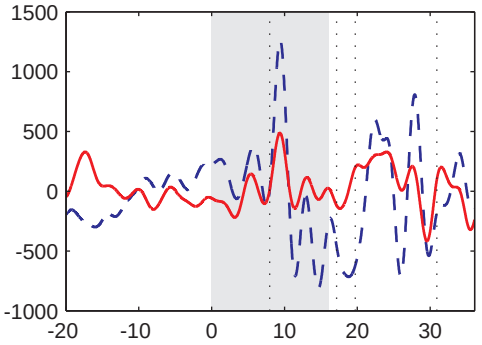








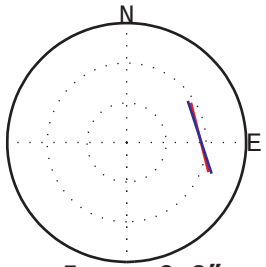




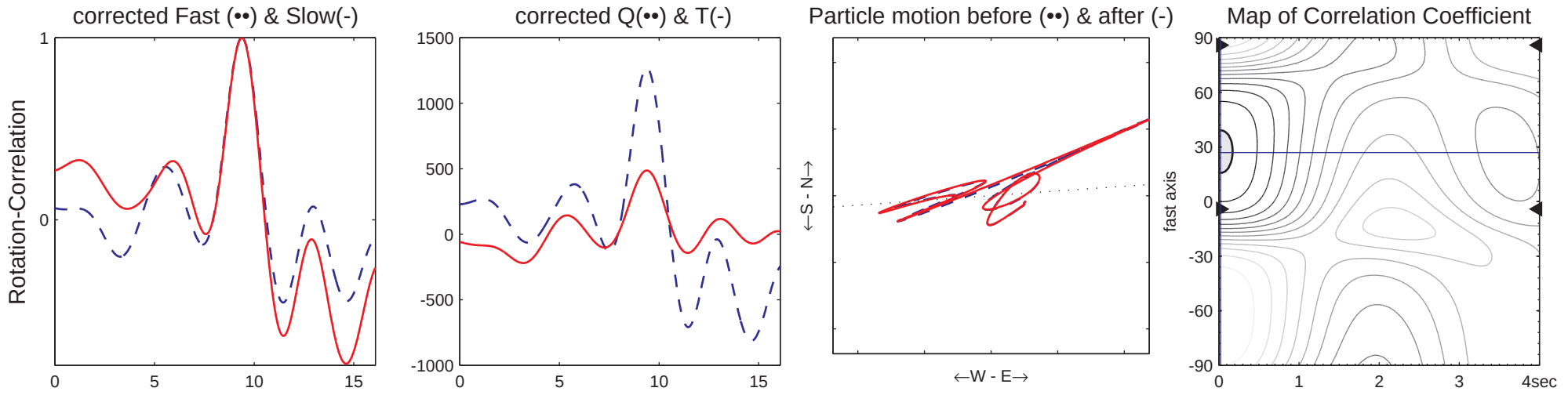
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **BNN** Backazimuth: **85.9”** Distance: **95.77”**
init.Pol.: **260.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.9**

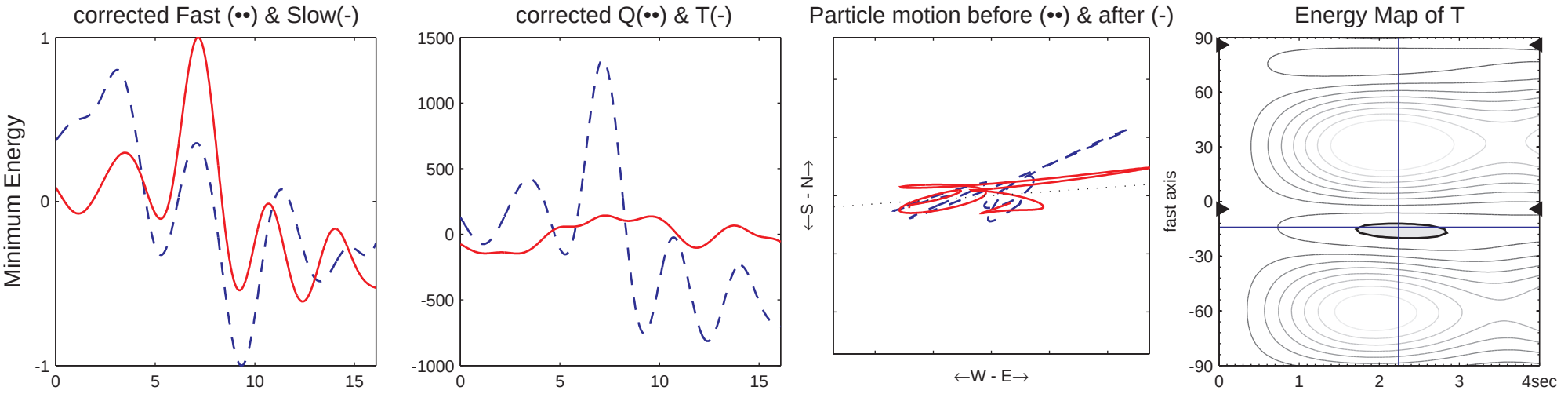
Rotation Correlation:	16<	27° <	39	0.0<0.0s<0.2
Minimum Energy:	-21<	-14° <	-15	1.7<2.2s<2.8
Eigenvalue:	-29<	-18° <	-15	1.7<2.4s<3.4

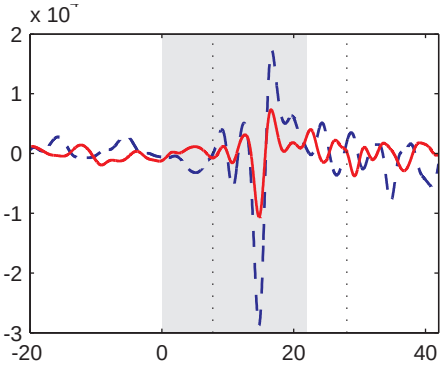
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **9.2”**



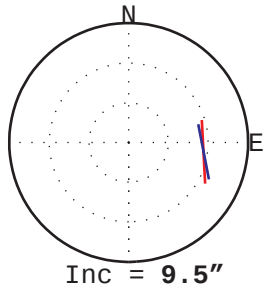


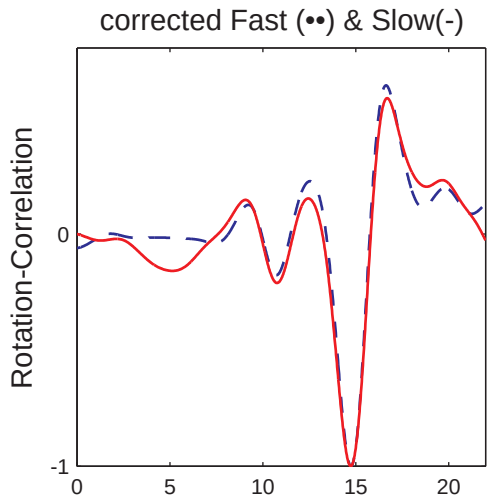


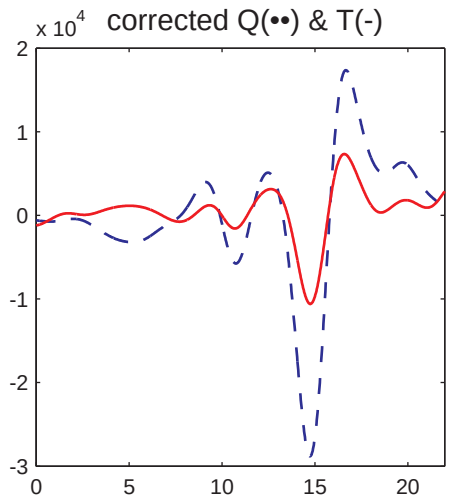
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **BNN** Backazimuth: **97.1”** Distance: **92.60”**
init.Pol.: **261.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.5**

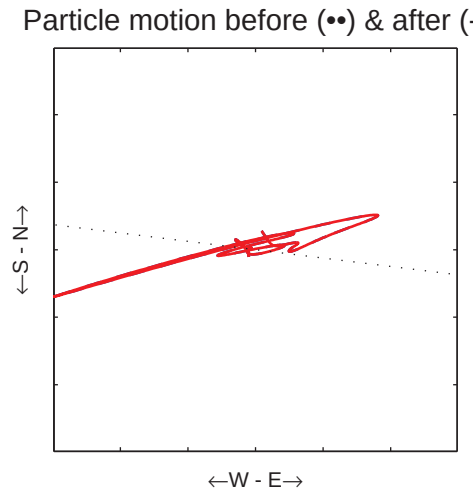
Rotation Correlation:	24<	33° <	43	0.0<0.0s<0.1
Minimum Energy:	-7<	-3° <	-3	1.6<2.0s<2.4
Eigenvalue:	-17<	-11° <	-11	0.4<1.8s<2.6

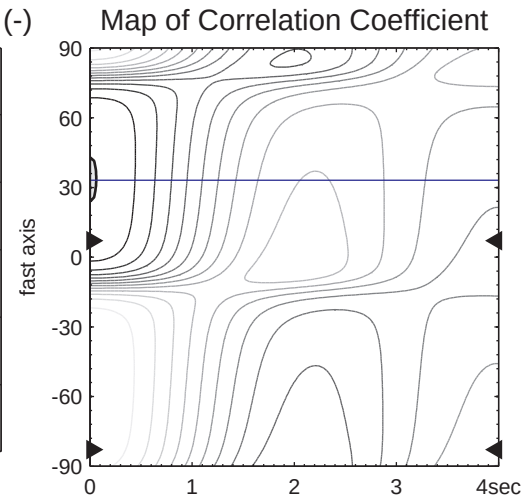
Quality: **fair** IsNull: **Yes** Phase: **SKS**

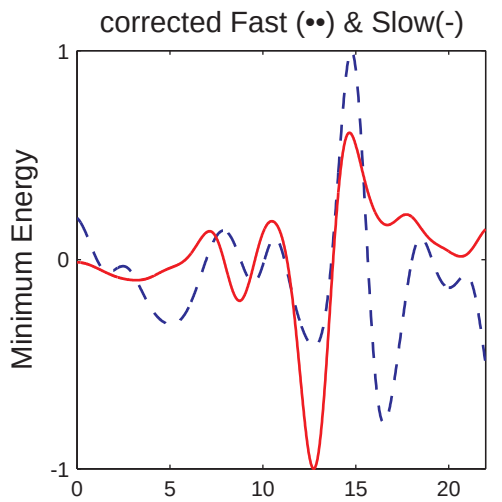


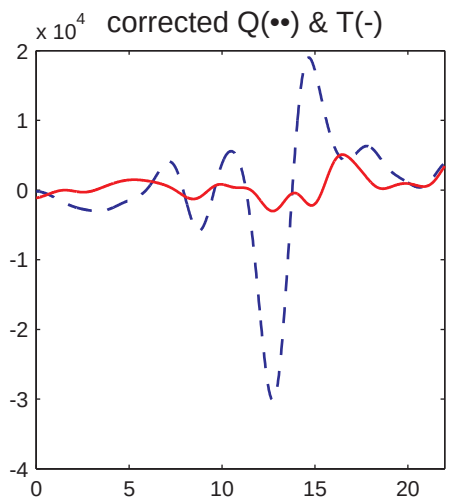


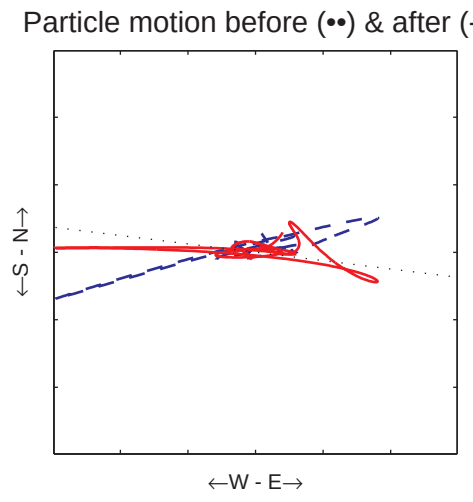


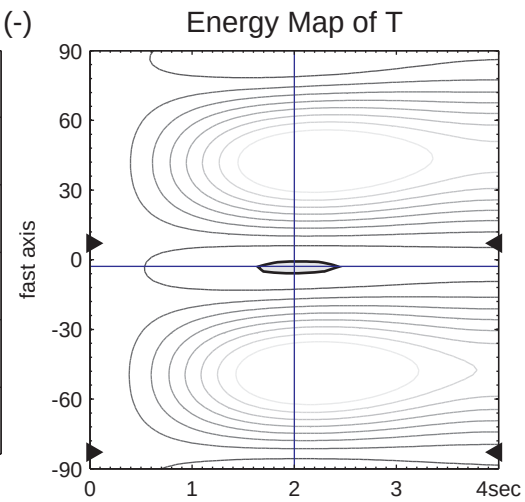


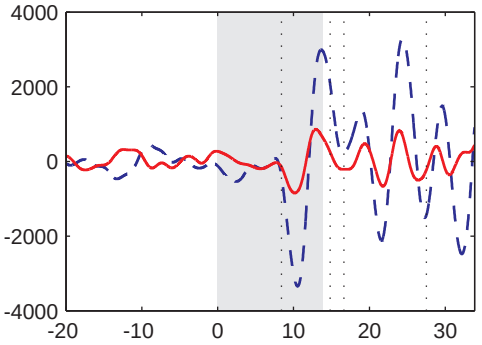








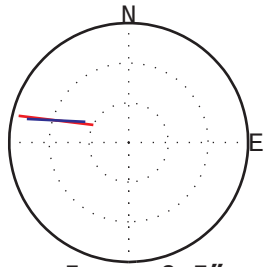


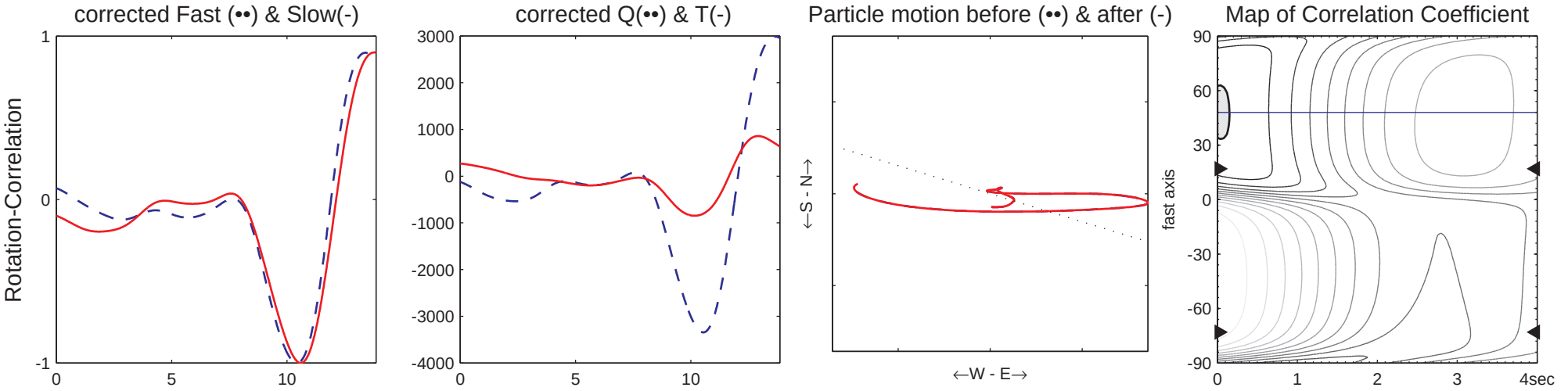


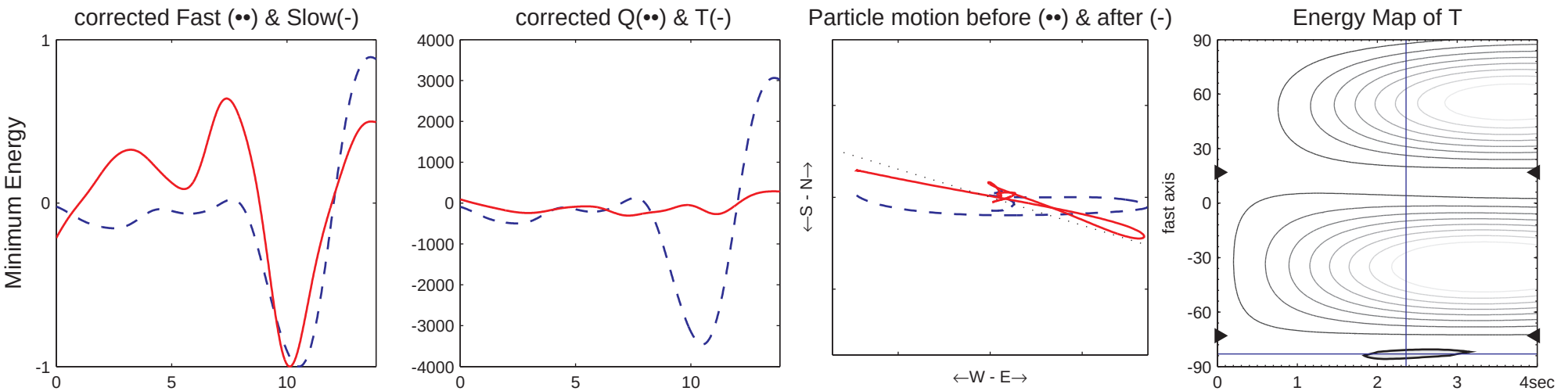
Event: **12-Sep-2009 (255) 20:06 10.71N -67.93E 14km Mw=6.4**
Station: **BNN** Backazimuth: **287.0”** Distance: **93.76”**
init.Pol.: **99.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.3**

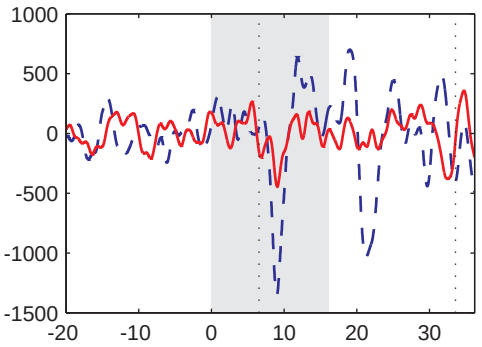
Rotation Correlation:	34<	48° <	63	0.0<0.0s<0.2
Minimum Energy:	-88<	-83° <	-82	1.8<2.4s<3.2
Eigenvalue:	-90<	-87° <	-88	1.5<1.8s<2.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





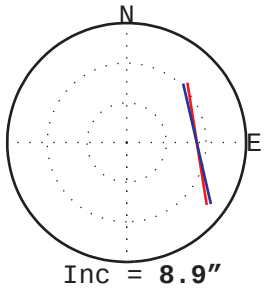


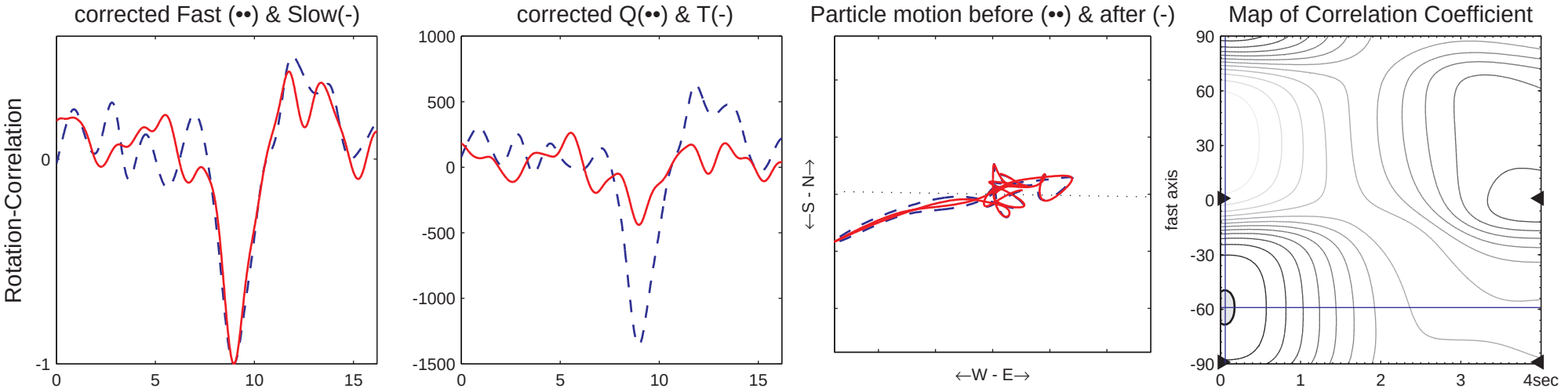


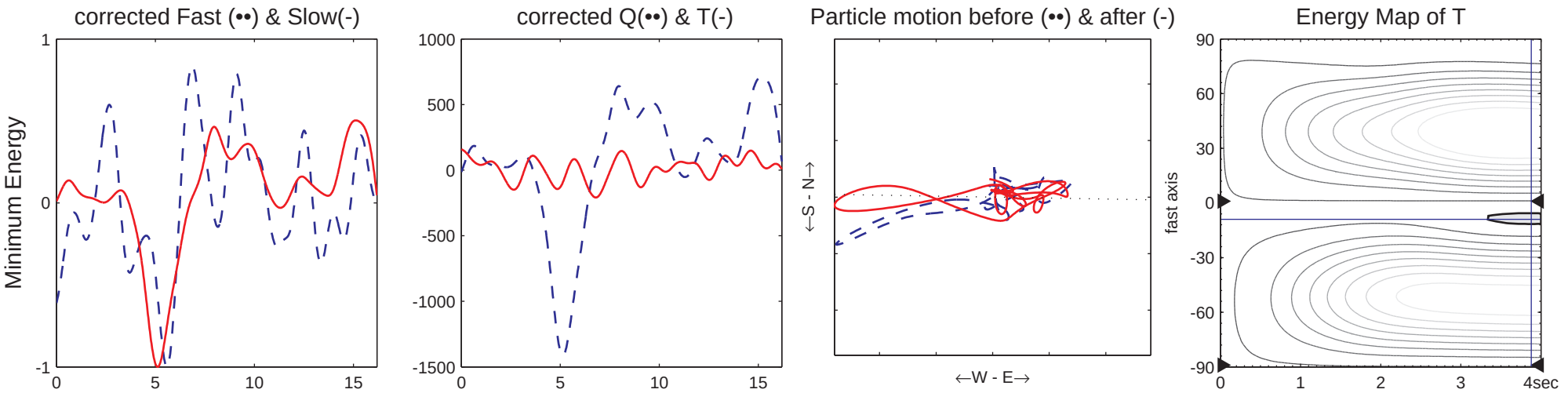
Event: **26-Dec-2009 (360) 08:57 -5.53N 131.21E 85km Mw=6.1**
Station: **BNN** Backazimuth: **91.0”** Distance: **97.63”**
init.Pol.: **263.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.2**

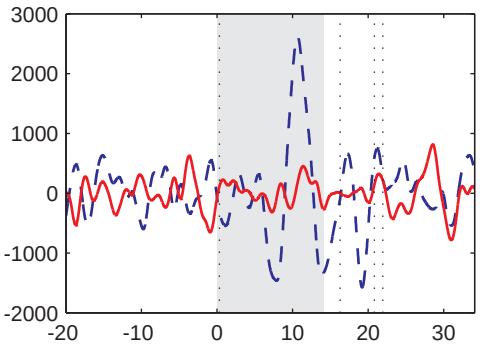
Rotation Correlation:	-70<	-59° < -51	0.0<0.1s<0.2
Minimum Energy:	-13<	-9° < -7	3.3<3.9s<4.0
Eigenvalue:	-19<	-13° < -9	3.2<3.9s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





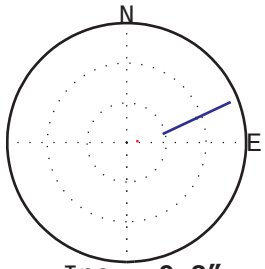




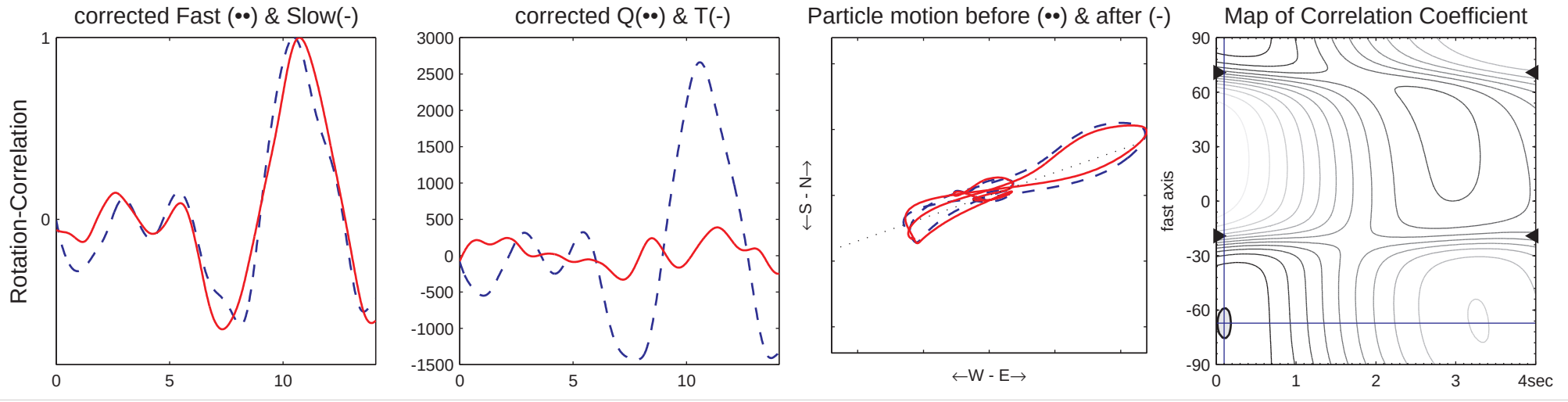
Event: **14-Jan-2010 (014) 14:03 11.51N 142.08E 37km Mw=5.8**
Station: **BNN** Backazimuth: **70.8”** Distance: **95.06”**
init.Pol.: **240.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.7**

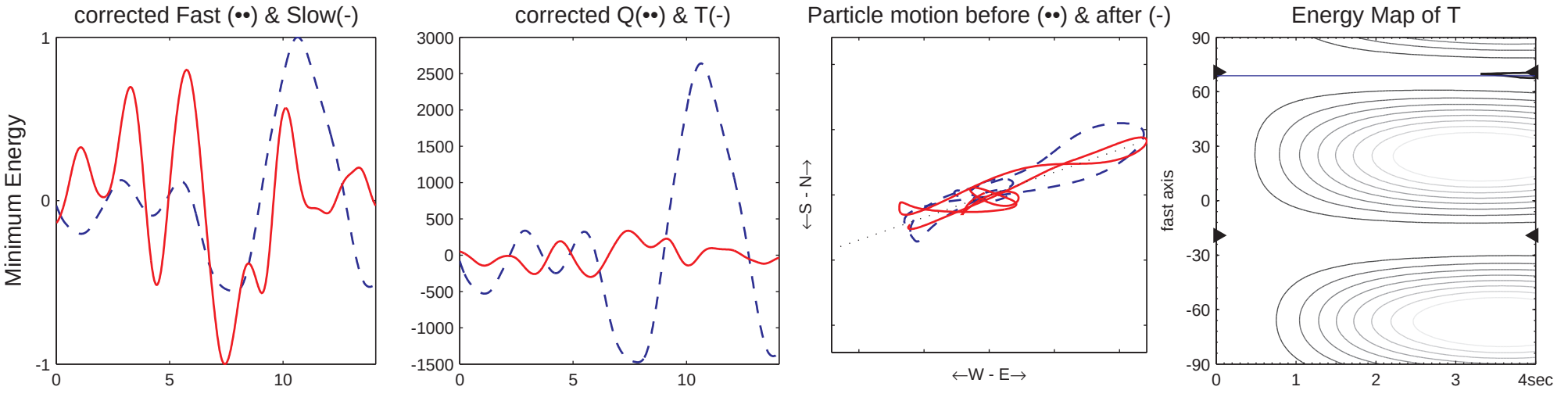
Rotation Correlation:	-76<	-67° <	-60	0.0<0.1s<0.2
Minimum Energy:	68<	69° <	70	3.3<4.0s<4.0
Eigenvalue:	64<	65° <	78	0.5<2.4s<2.9

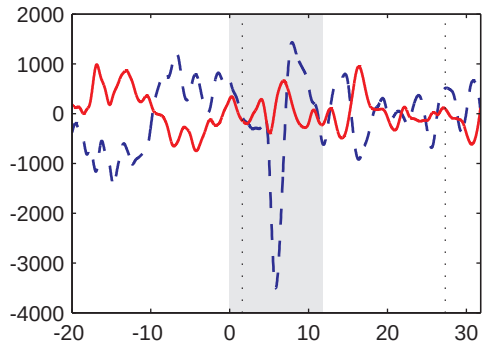
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **9.3”**



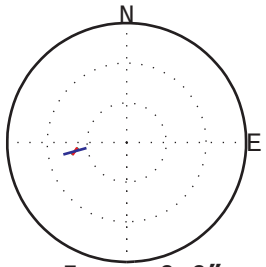


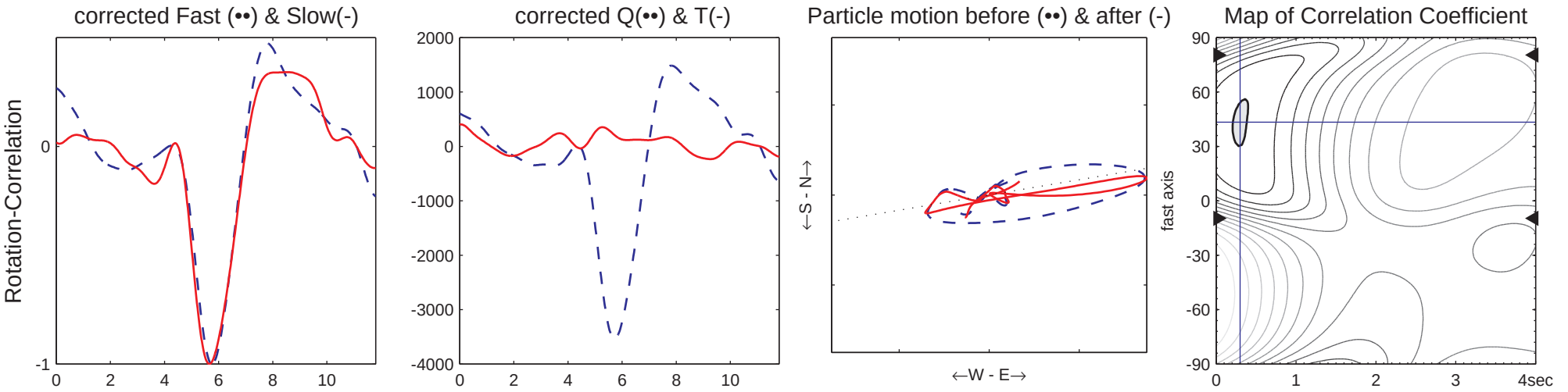


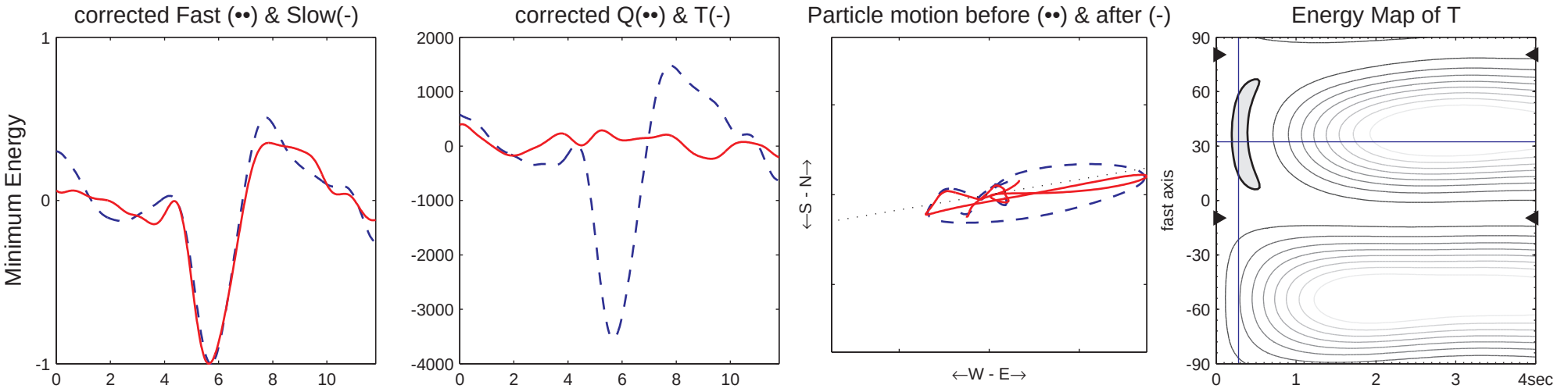
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **BNN** Backazimuth: **260.4”** Distance: **114.45”**
init.Pol.: **88.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.5**

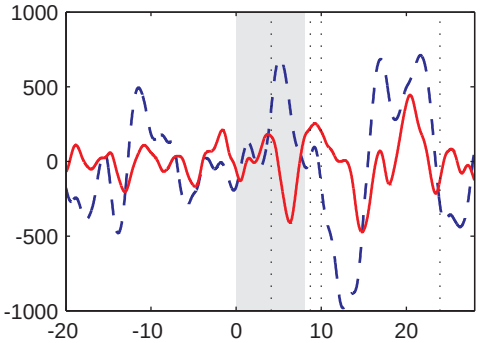
Rotation Correlation:	30<	43° <	56	0.2<0.3s<0.4
Minimum Energy:	7<	32° <	68	0.2<0.3s<0.6
Eigenvalue:	48<	74° <	82	0.3<0.8s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





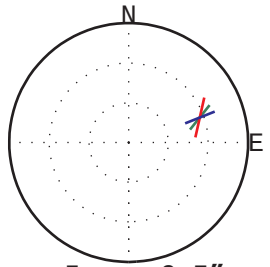


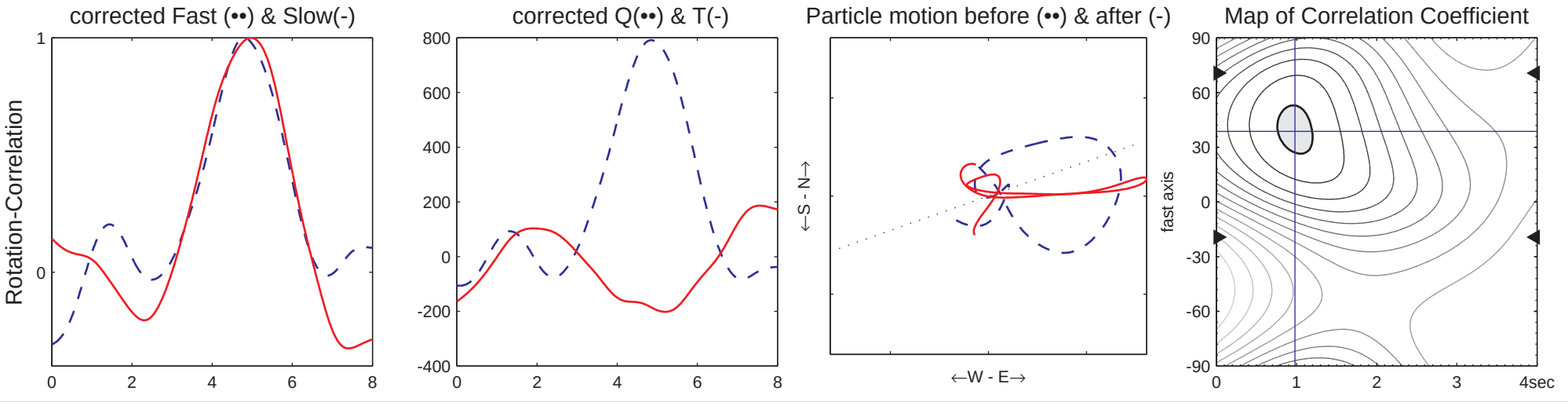


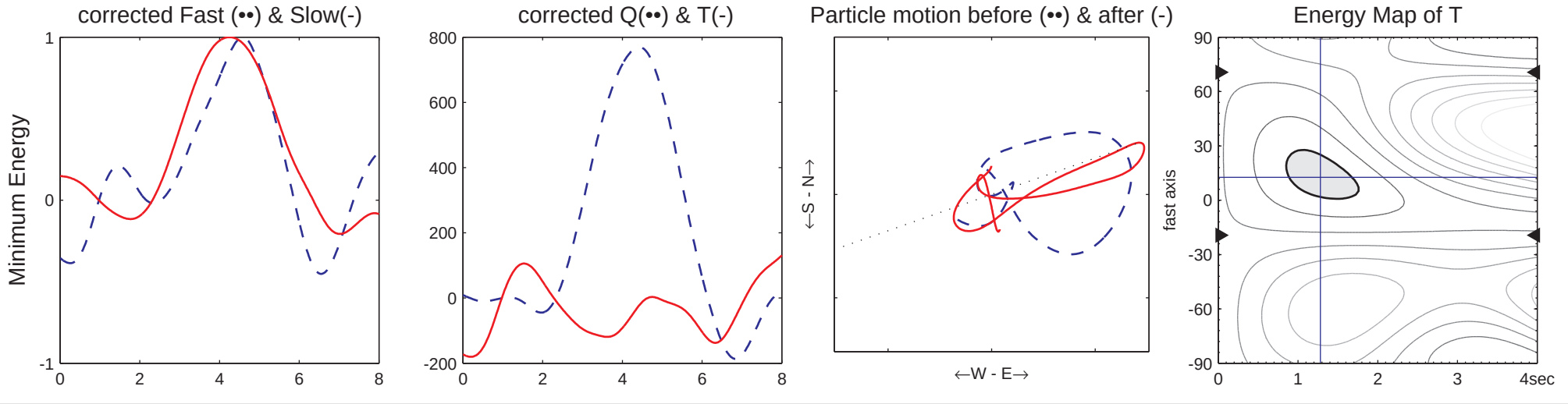
Event: **18-Aug-2010 (230) 16:28 12.23N 141.51E 10km Mw=6.3**
Station: **BNN** Backazimuth: **70.6”** Distance: **94.16”**
init.Pol.: **285.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.7**

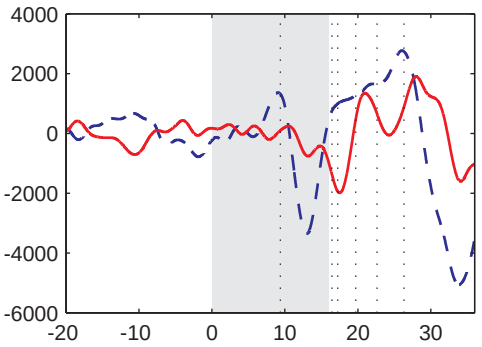
Rotation Correlation:	27<	39° <	53	0.8<1.0s<1.2
Minimum Energy:	1<	13° <	27	0.8<1.3s<1.8
Eigenvalue:	19<	69° <	-90	0.8<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





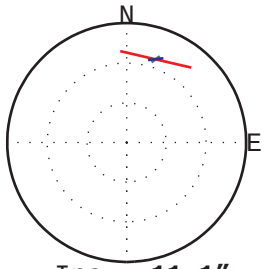




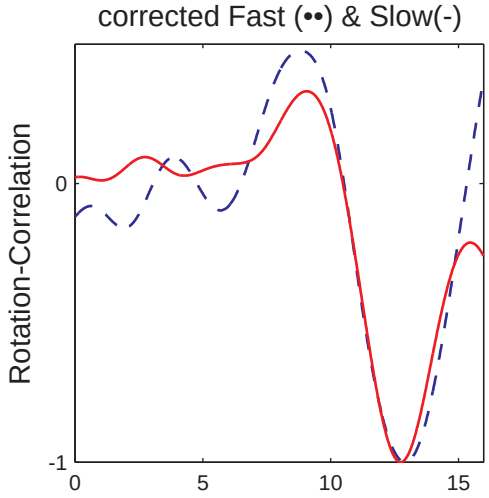
Event: **03-Sep-2010 (246) 11:16 51.45N -175.87E 23km Mw=6.5**
Station: **BNN** Backazimuth: **19.2”** Distance: **85.54”**
init.Pol.: **190.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

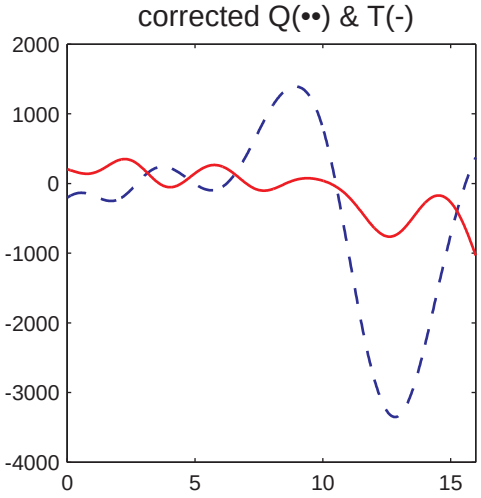
Rotation Correlation:	44<	53° <	63	0.2<0.3s<0.5
Minimum Energy:	-90<	-77° <	-76	0.7<2.3s<4.0
Eigenvalue:	39<	83° <	-84	0.1<0.5s<2.0

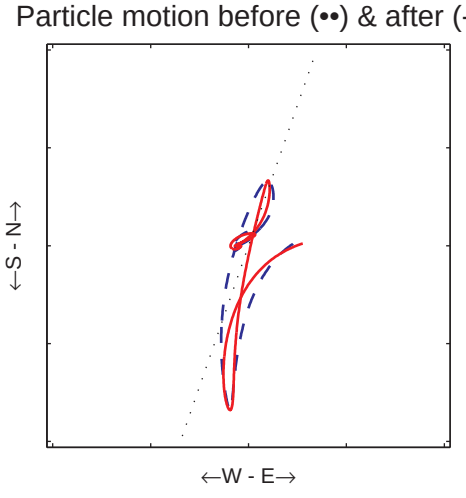
Quality: **good** IsNull: **Yes** Phase: **SKS**

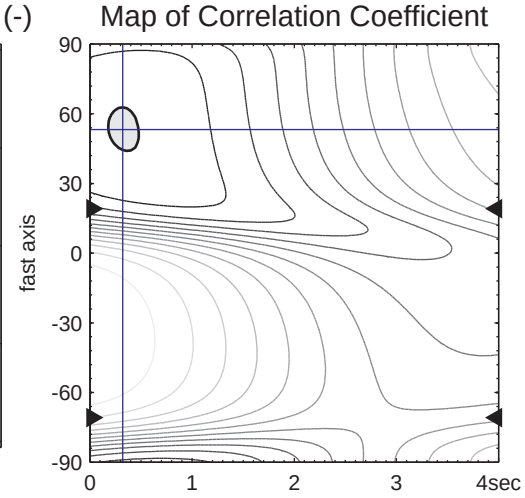


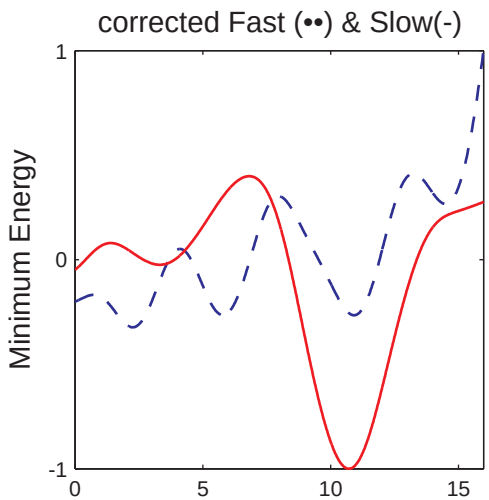
Inc = **11.1”**

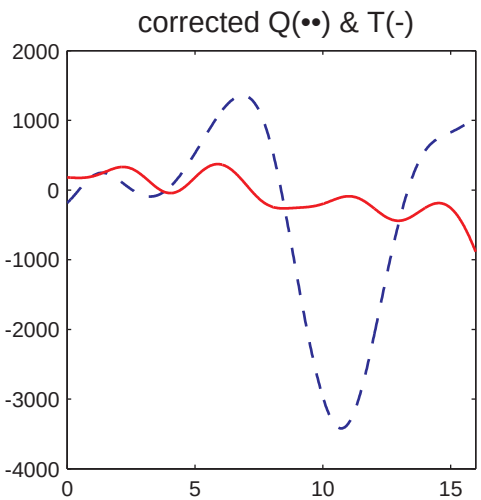


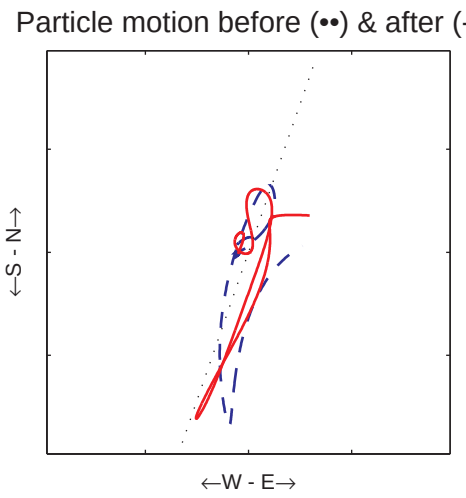


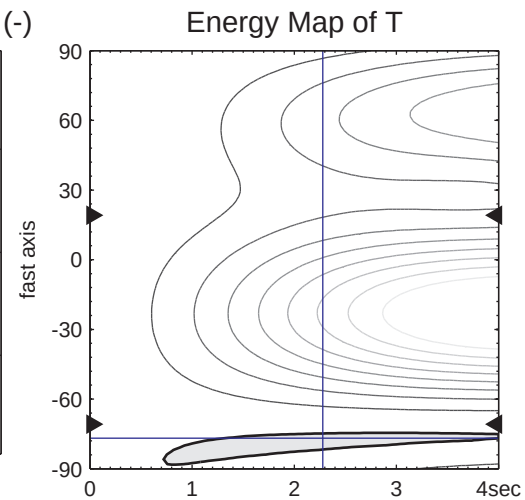


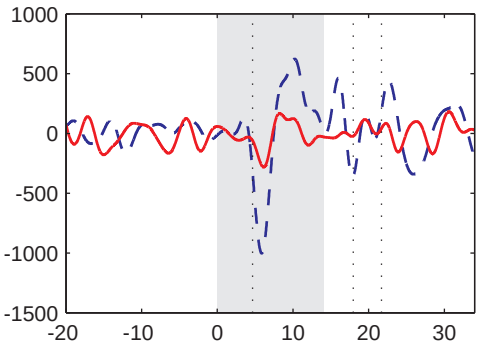








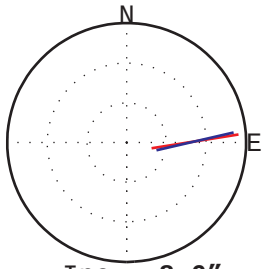




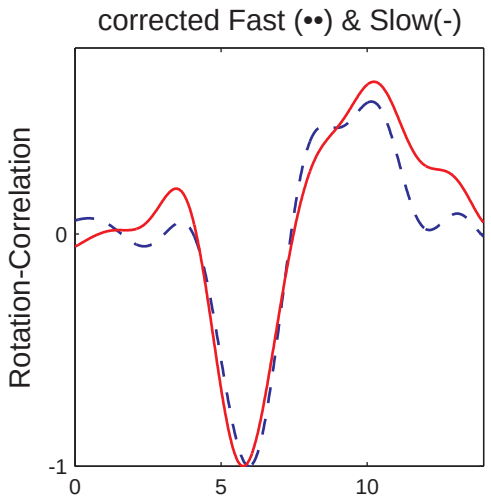
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **BNN** Backazimuth: **89.1”** Distance: **99.61”**
init.Pol.: **263.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.3**

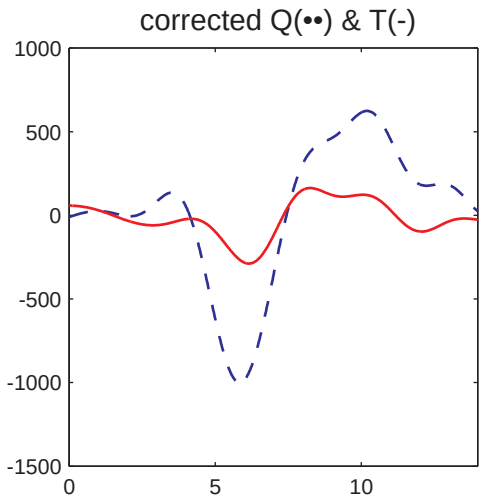
Rotation Correlation:	17<	31° <	47	0.0<0.0s<0.2
Minimum Energy:	78<	81° <	84	2.1<2.8s<3.4
Eigenvalue:	76<	77° <	80	2.0<2.5s<3.0

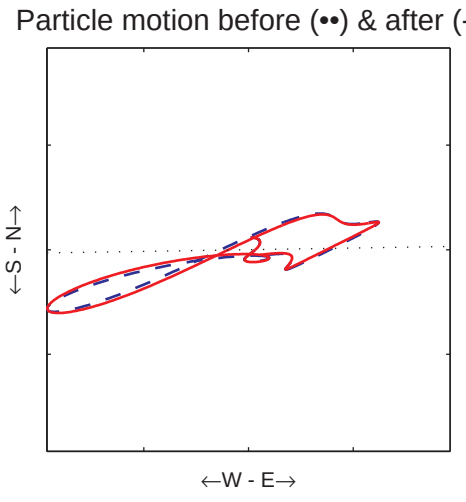
Quality: **good** IsNull: **Yes** Phase: **SKS**

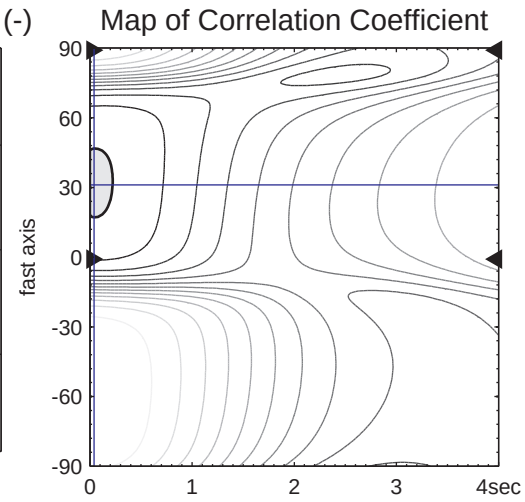


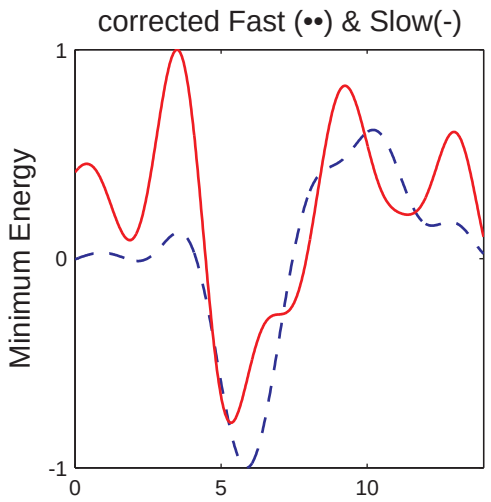
Inc = **8.6”**

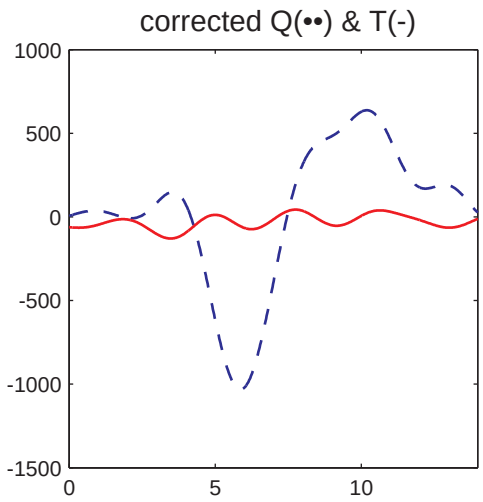


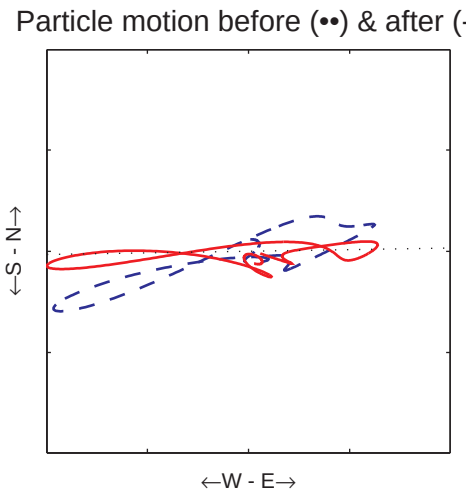


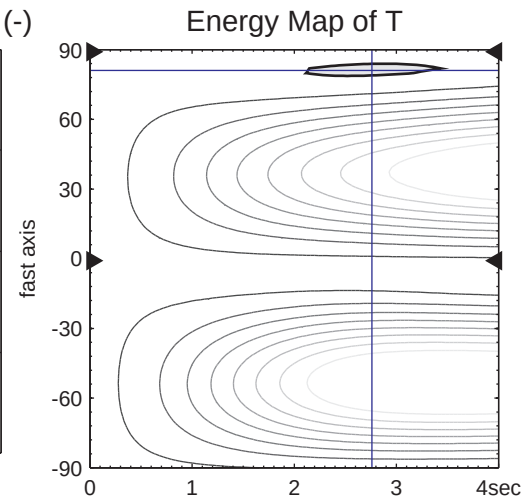


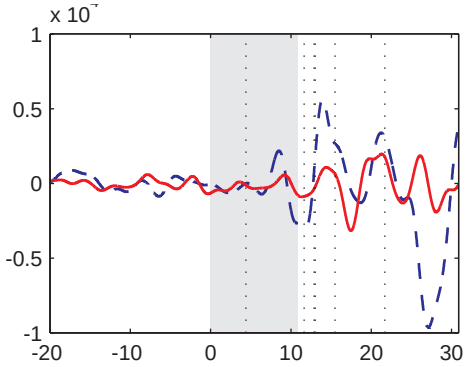








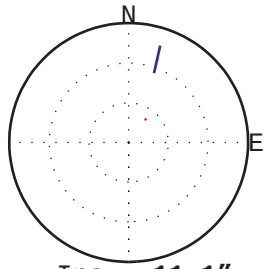




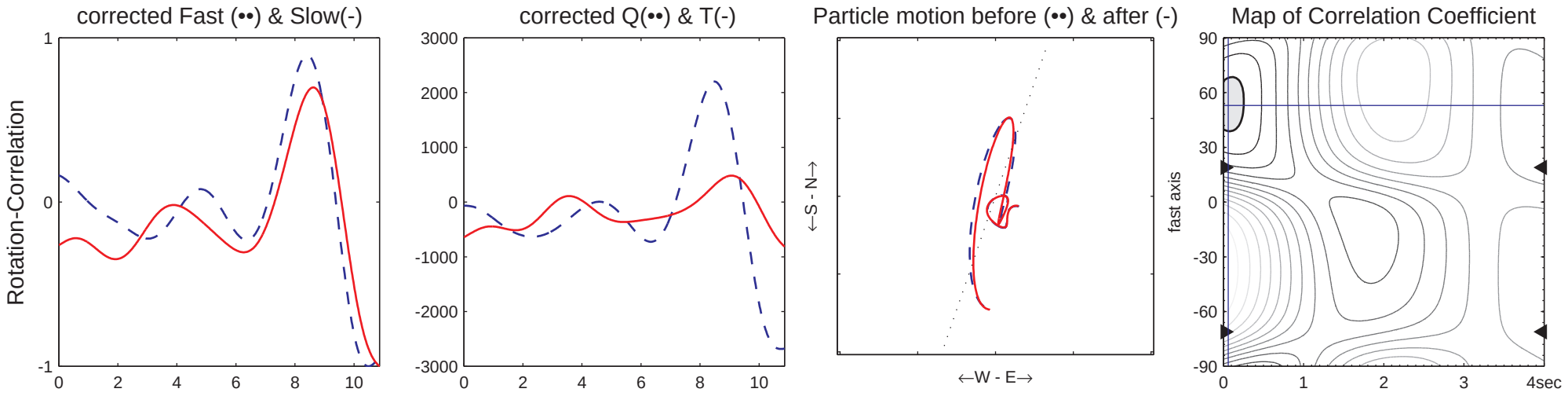
Event: **08-Oct-2010 (281) 03:26 51.37N -175.36E 19km Mw=6.4**
Station: **BNN** Backazimuth: **18.9”** Distance: **85.74”**
init.Pol.: **180.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

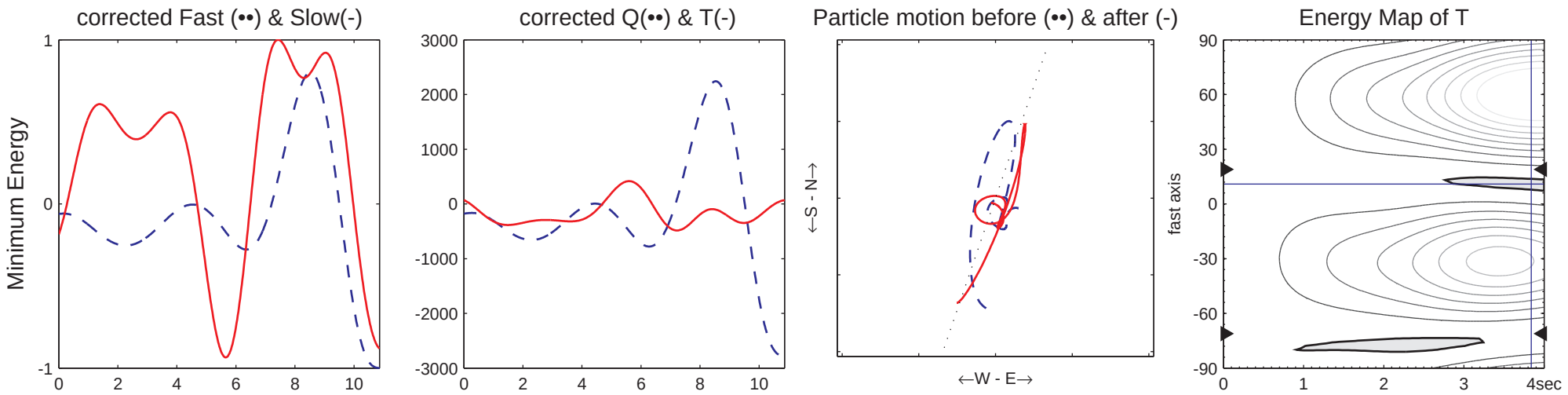
Rotation Correlation:	39<	53° <	69	0.0<0.1s<0.2
Minimum Energy:	7<	11° <	15	2.8<3.8s<4.0
Eigenvalue:	5<	13° <	46	0.3<0.9s<1.5

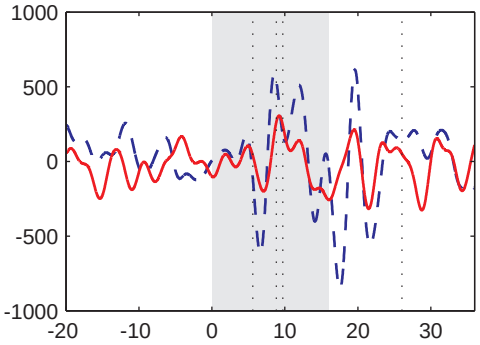
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **11.1”**



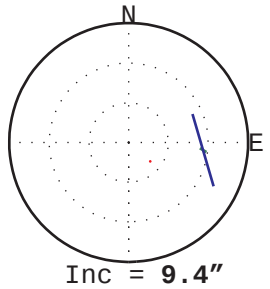


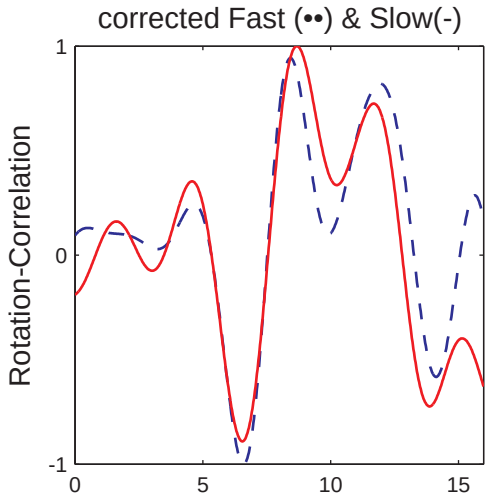


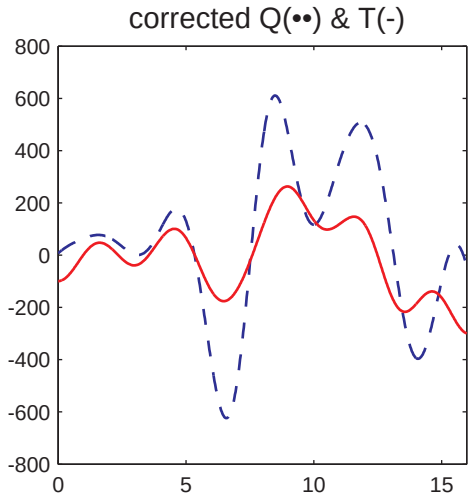
Event: **16-Oct-2010 (289) 15:44 -7.37N 125.70E 7km Mw=5.9**
Station: **BNN** Backazimuth: **95.8”** Distance: **94.50”**
init.Pol.: **246.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

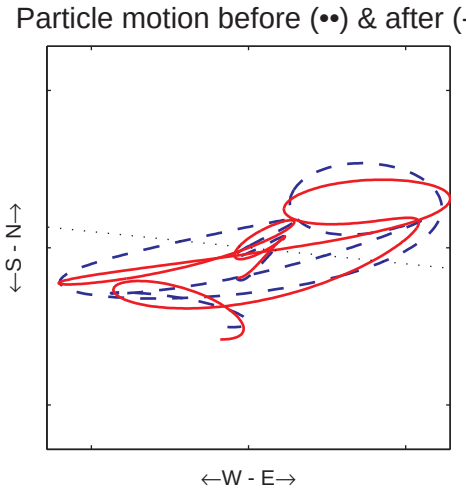
Rotation Correlation:	-73<	-60° <	-49	0.1<0.2s<0.4
Minimum Energy:	74<	78° <	84	3.0<3.4s<3.9
Eigenvalue:	-25<	-16° <	-11	1.8<2.4s<2.9

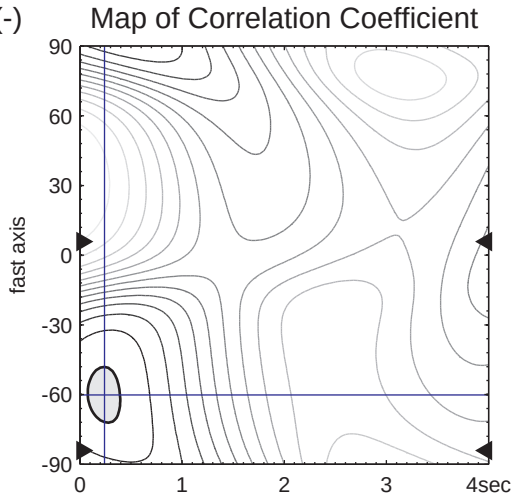
Quality: **good** IsNull: **Yes** Phase: **SKS**

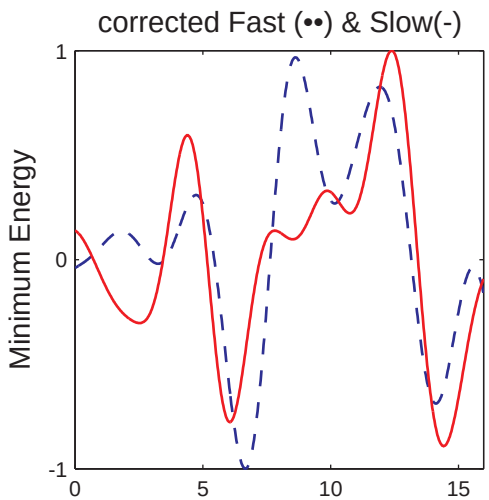


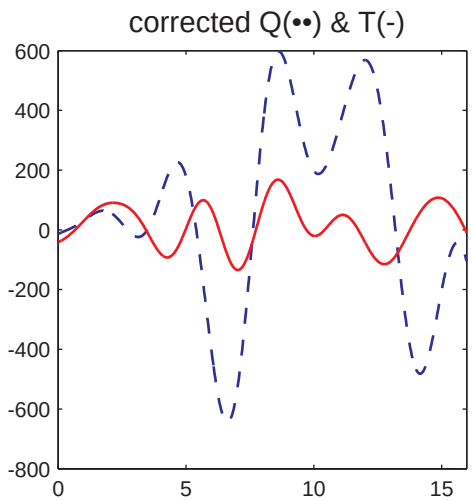


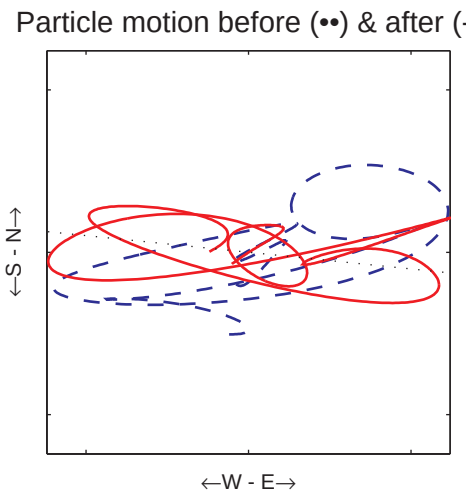


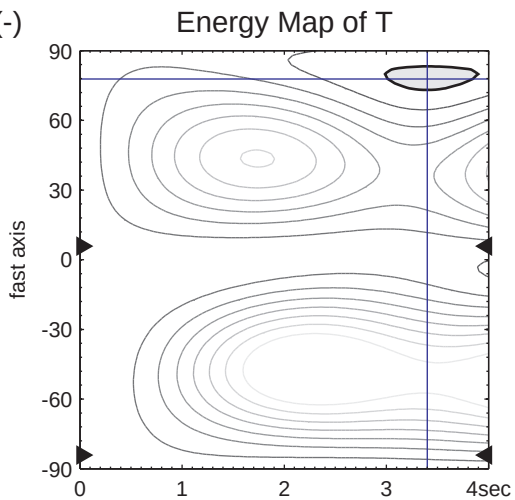


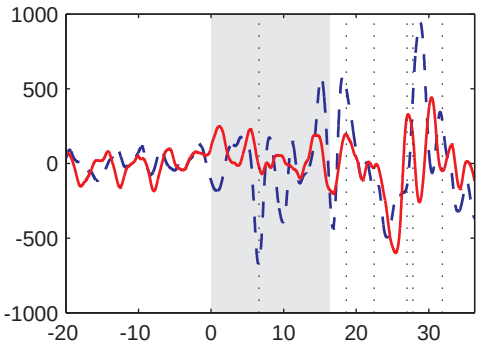








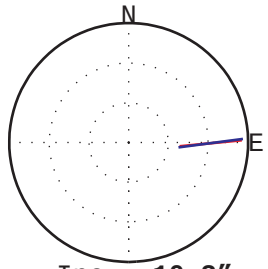




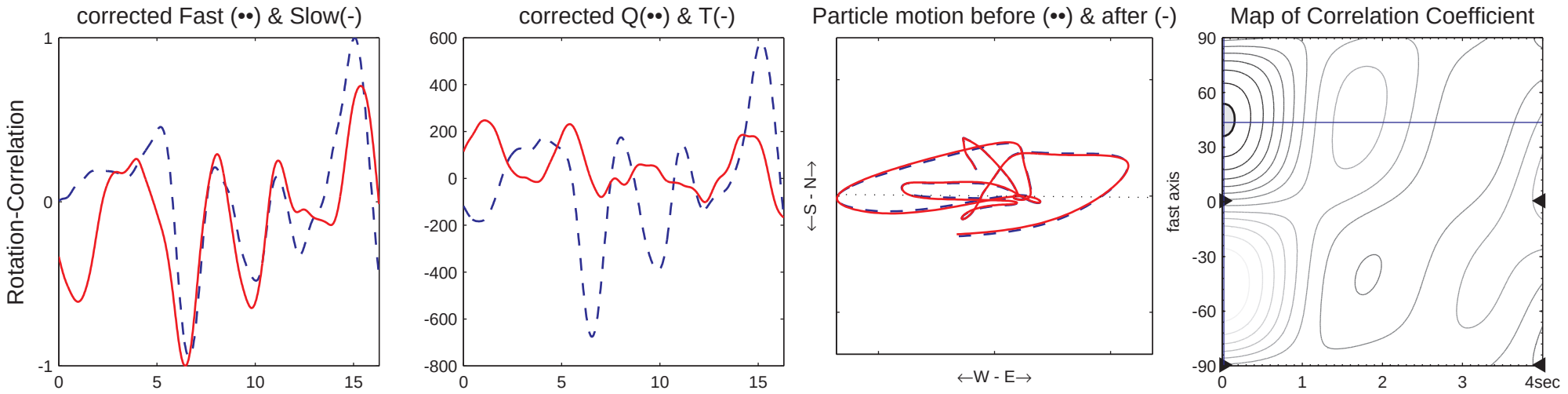
Event: **25-Oct-2010 (298) 12:05 -0.07N 125.06E 37km Mw=5.8**
Station: **BNN** Backazimuth: **90.5”** Distance: **89.43”**
init.Pol.: **264.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.6**

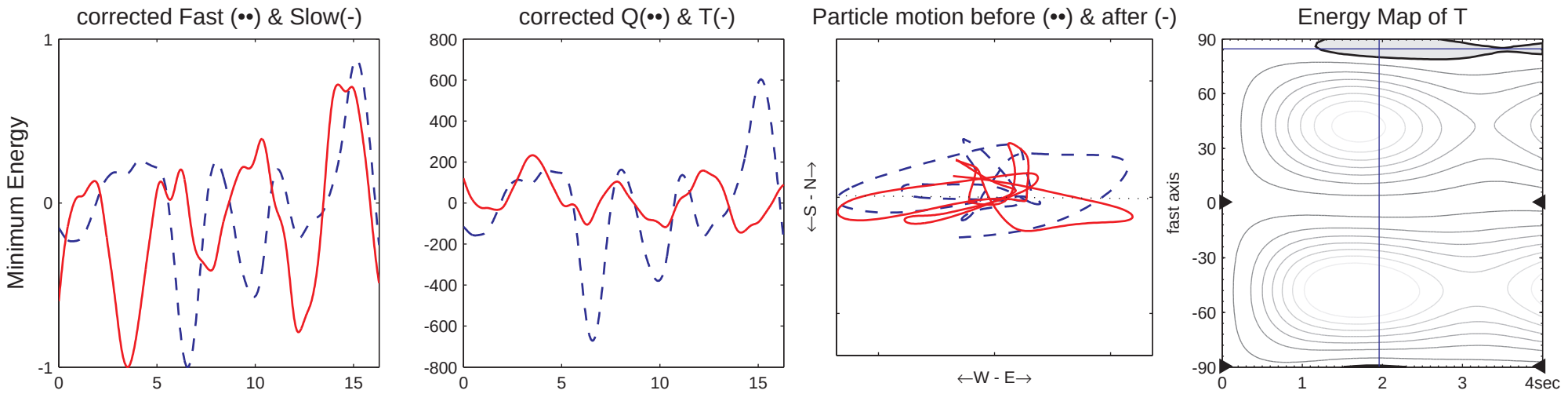
Rotation Correlation:	36<	44° <	54	0.0<0.0s<0.2
Minimum Energy:	78<	85° <	-90	1.2<2.0s<4.0
Eigenvalue:	1<	83° <	-7	0.0<2.0s<4.0

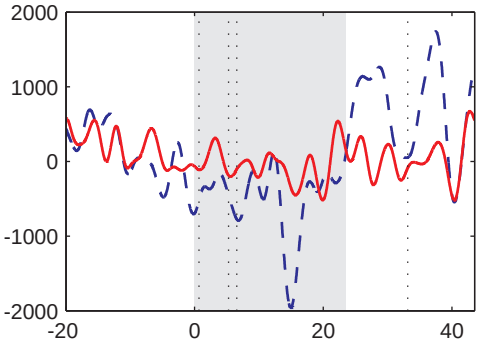
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.3”**



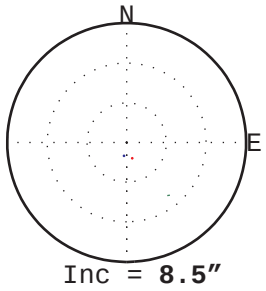


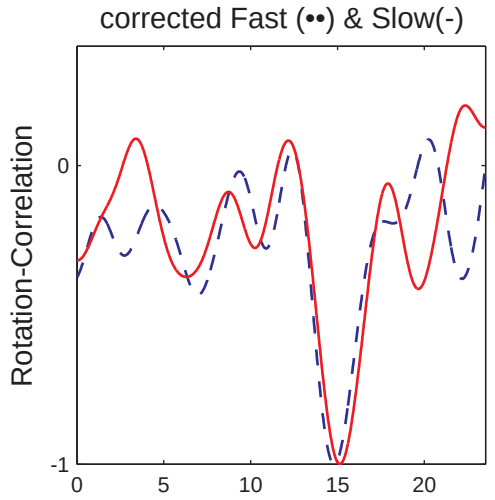


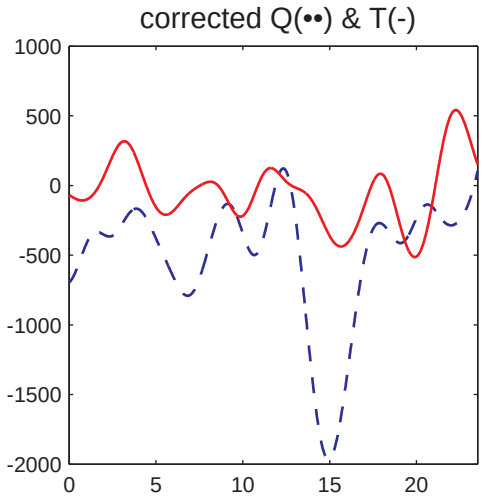
Event: **10-Nov-2010 (314) 04:05 -45.46N 96.39E 10km Mw=6.5**
Station: **BNN** Backazimuth: **141.6”** Distance: **100.29”**
init.Pol.: **305.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.5**

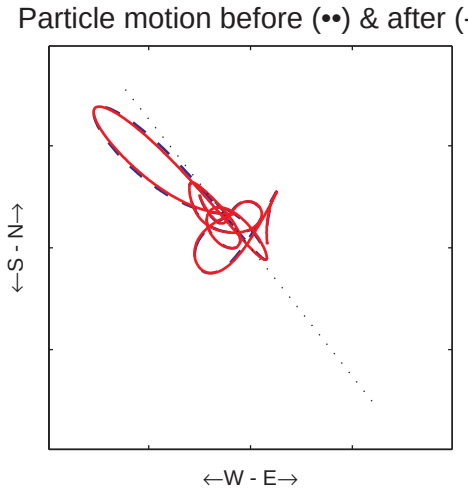
Rotation Correlation:	-14<	-3° <	7	0.0<0.0s<0.4
Minimum Energy:	-Inf<	-44° <	Inf	0.0<3.3s<Inf
Eigenvalue:	-Inf<	-48° <	Inf	0.0<3.8s<Inf

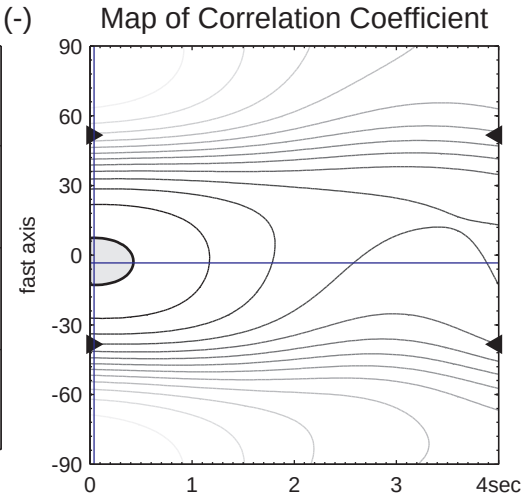
Quality: **good** IsNull: **Yes** Phase: **SKS**

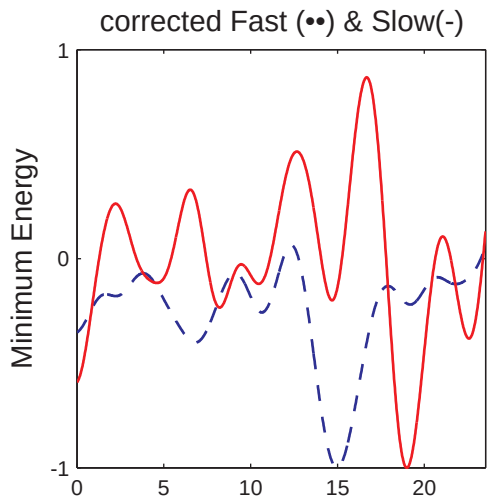


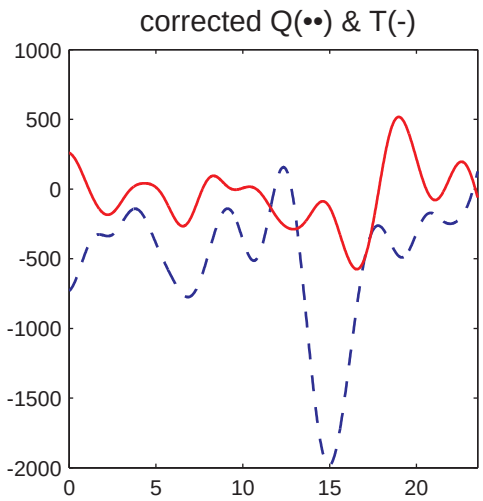


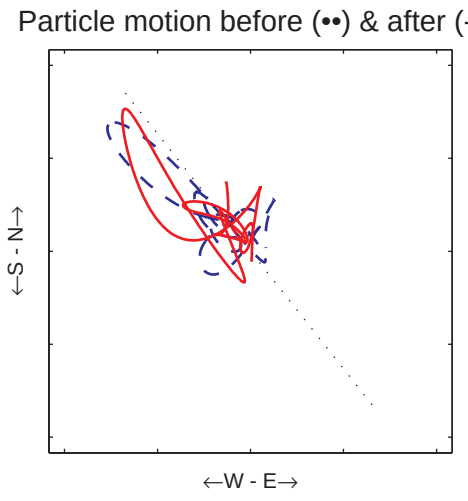


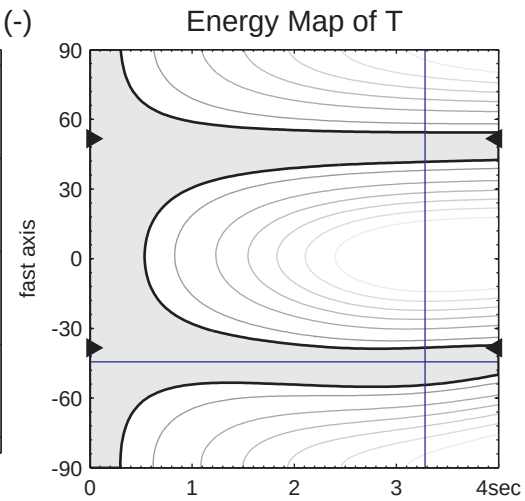


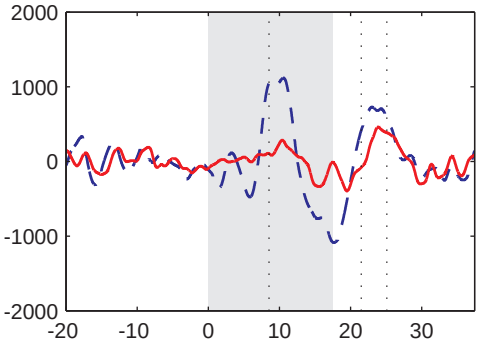








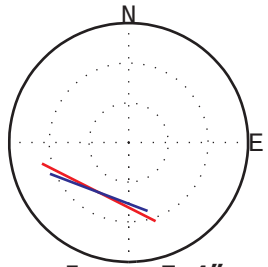


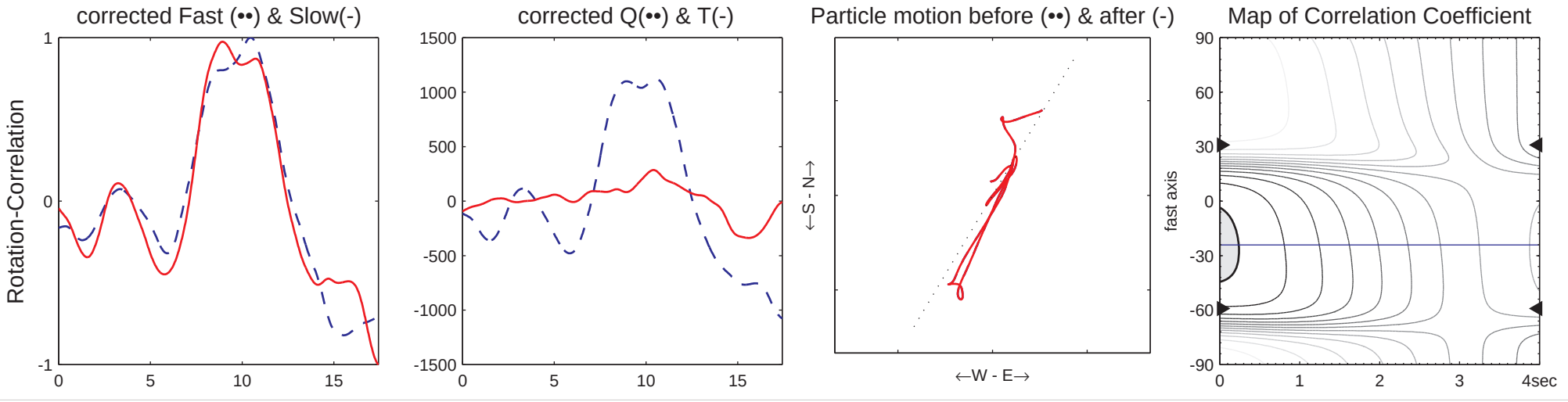


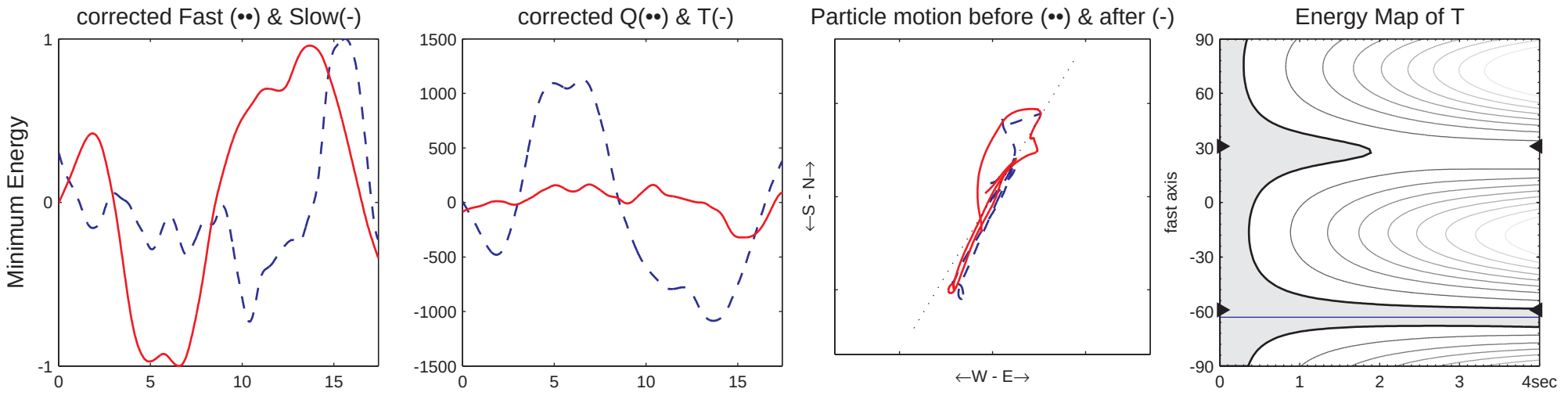
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **BNN** Backazimuth: **210.9”** Distance: **108.52”**
init.Pol.: **18.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

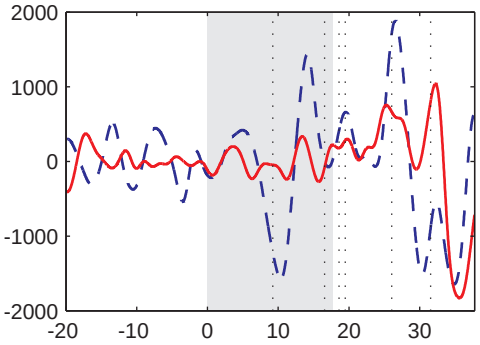
Rotation Correlation:	-46<	-24° <	-5	0.0<0.0s<0.2
Minimum Energy:	-Inf<	-63° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-69° <	Inf	0.0<3.3s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





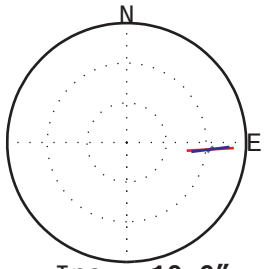




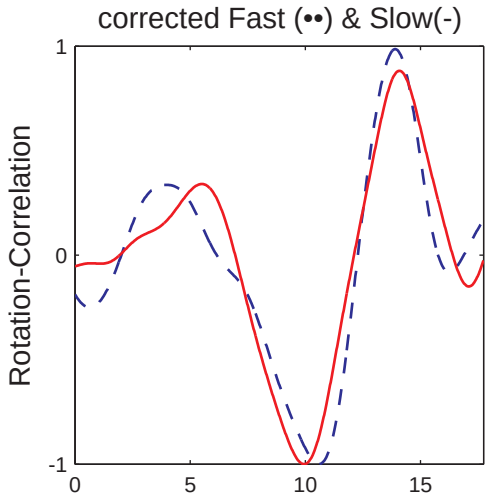
Event: **15-Feb-2011 (046) 13:33 -2.50N 121.48E 16km Mw=6.1**
Station: **BNN** Backazimuth: **94.7”** Distance: **88.17”**
init.Pol.: **271.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

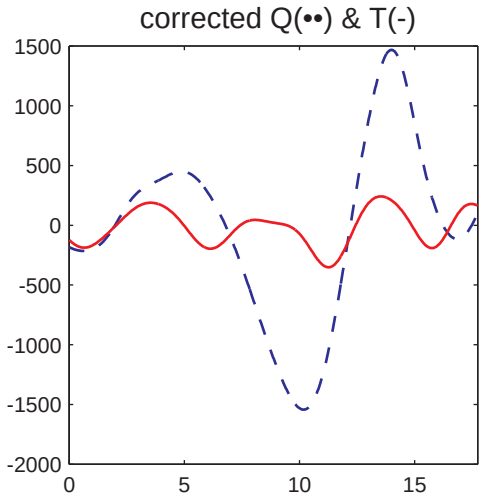
Rotation Correlation:	33<	45° <	59	0.0<0.3s<0.5
Minimum Energy:	72<	87° <	-90	0.4<1.5s<2.4
Eigenvalue:	1<	83° <	-92	0.0<1.2s<2.2

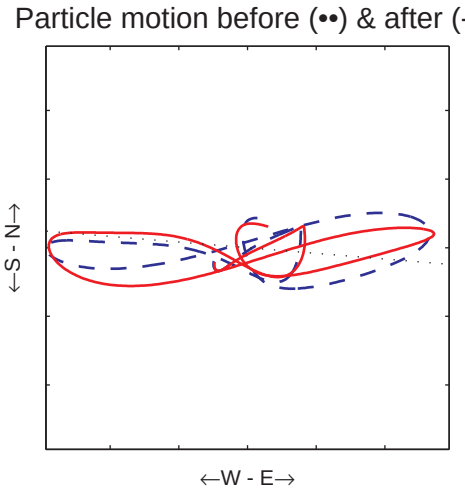
Quality: **good** IsNull: **Yes** Phase: **SKS**

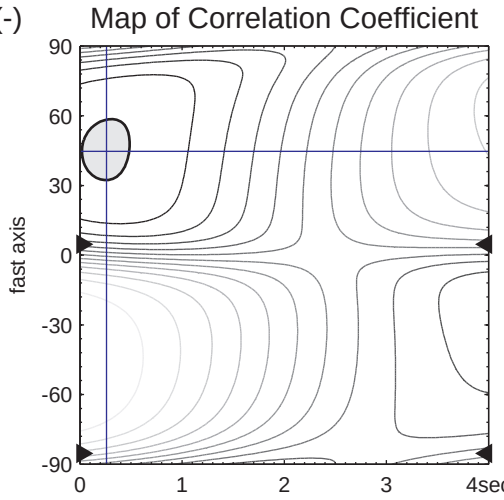


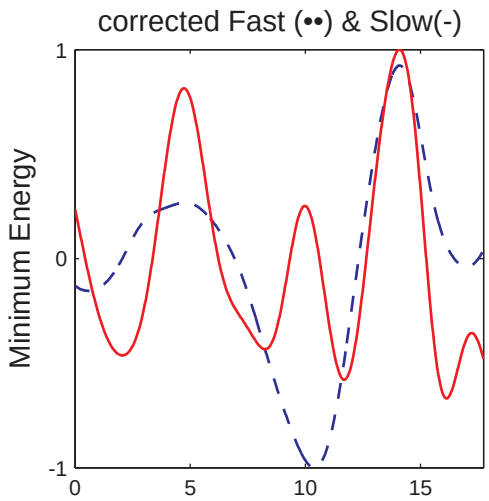
Inc = **10.6”**

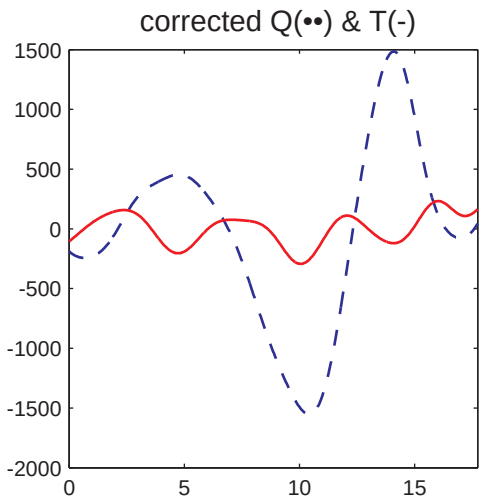


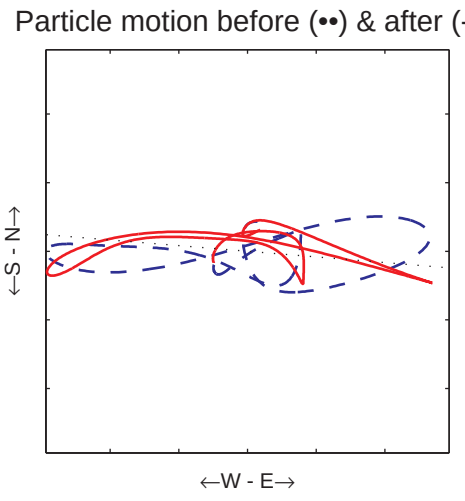


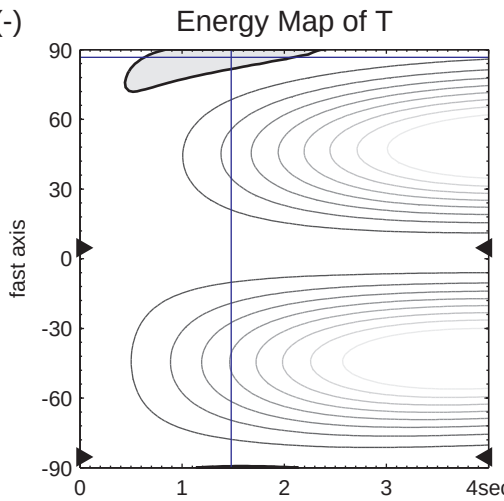


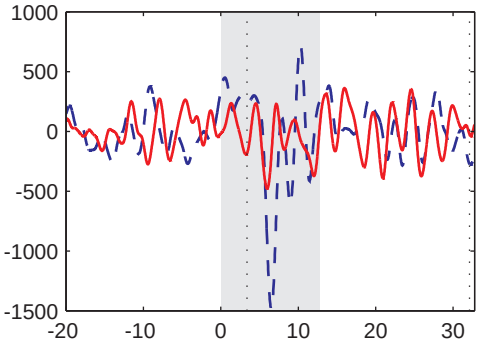








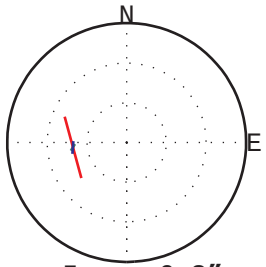




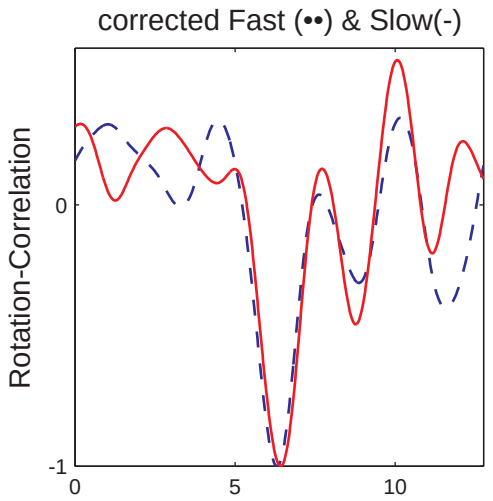
Event: **06-Mar-2011 (065) 12:31 -18.02N -69.36E 118km** Mw=**6.3**
Station: **BNN** Backazimuth: **264.7”** Distance: **112.85”**
init.Pol.: **74.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

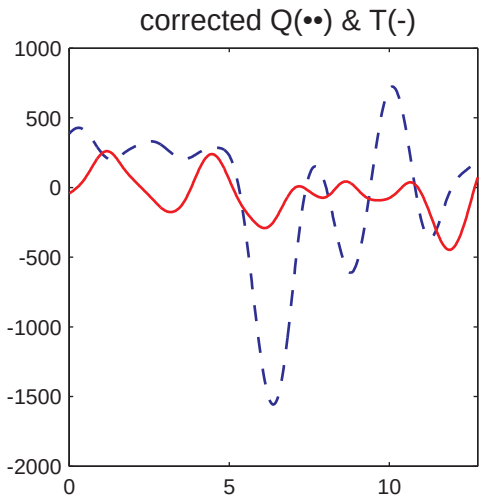
Rotation Correlation:	21<	30° <	42	0.1<0.2s<0.4
Minimum Energy:	-23<	-15° <	-9	1.6<2.0s<2.4
Eigenvalue:	-13<	5° <	68	0.1<0.4s<0.9

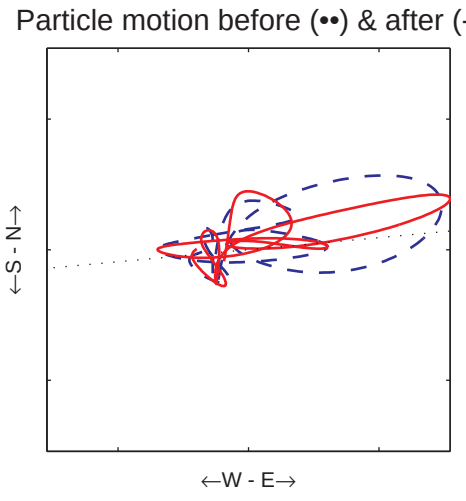
Quality: **good** IsNull: **Yes** Phase: **SKS**

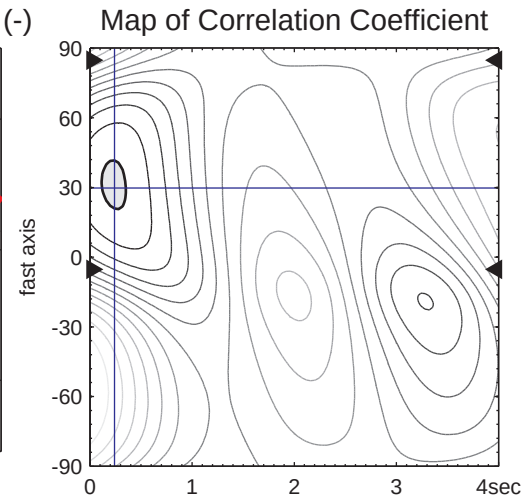


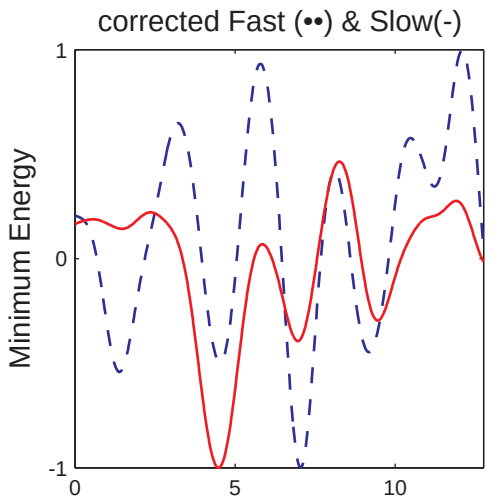
Inc = **6.8”**

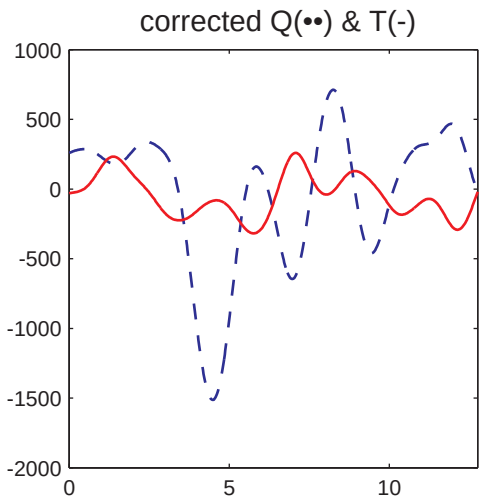


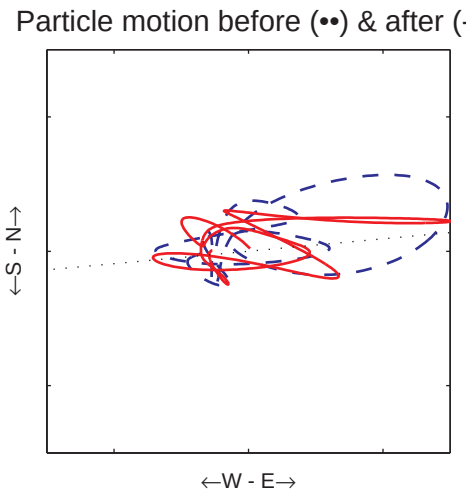


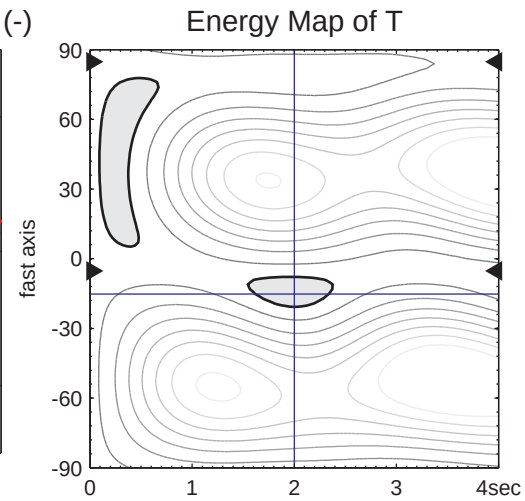


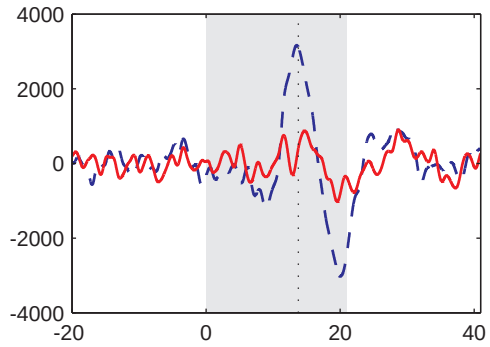








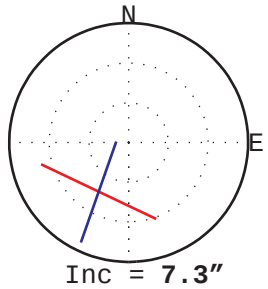


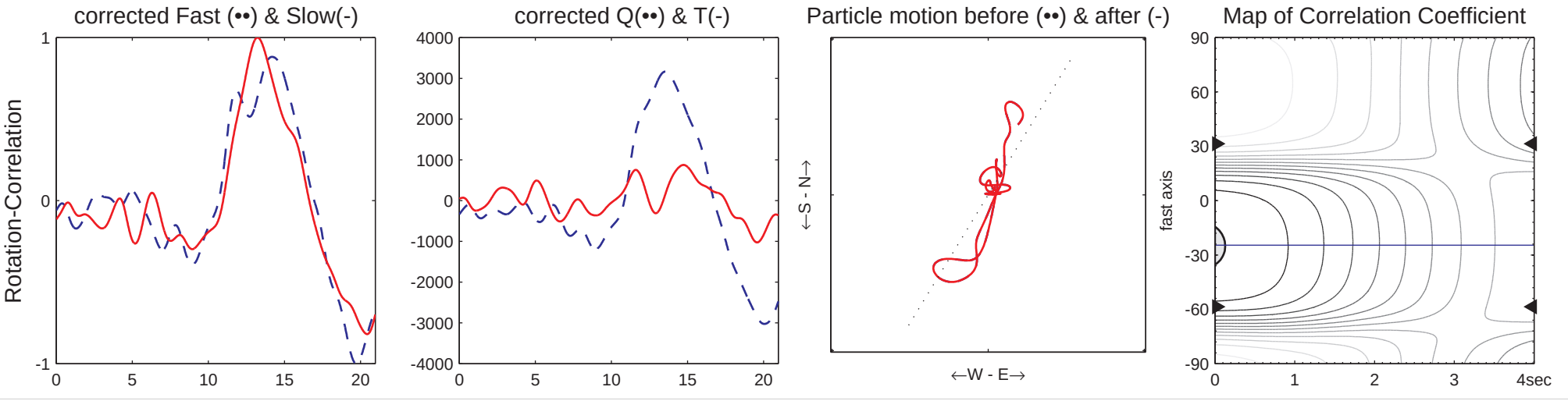


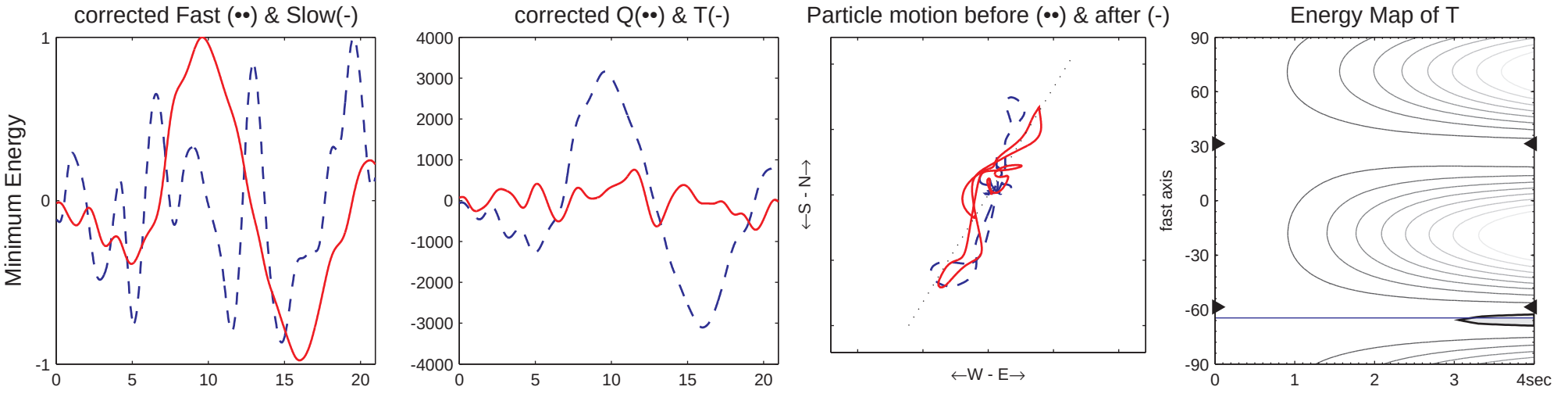
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **BNN** Backazimuth: **211.4”** Distance: **109.06”**
init.Pol.: **15.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

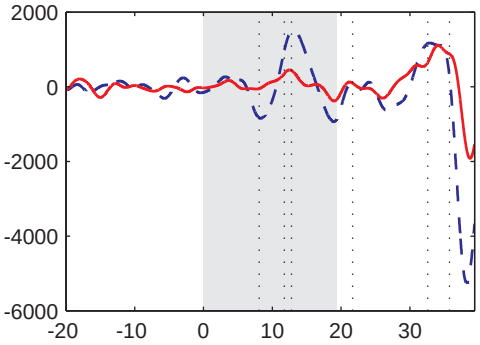
Rotation Correlation:	-37<	-25° <	-16	0.0<0.0s<0.1
Minimum Energy:	-72<	-65° <	-64	3.0<4.0s<4.0
Eigenvalue:	-Inf<	19° <	Inf	0.0<3.4s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





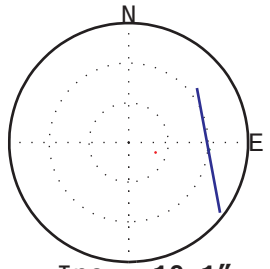




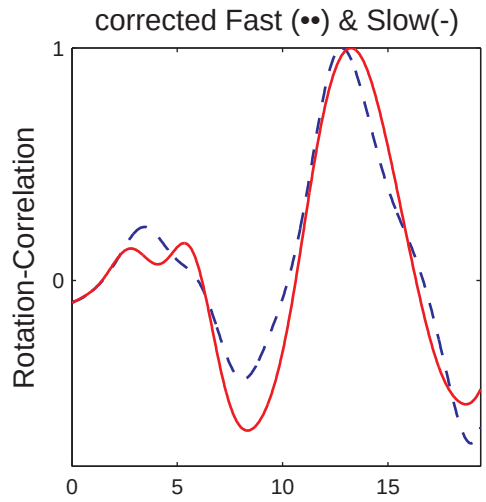
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **BNN** Backazimuth: **95.5”** Distance: **90.49”**
init.Pol.: **251.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

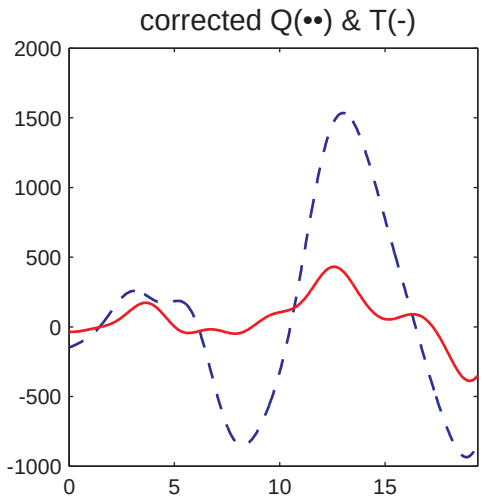
Rotation Correlation:	23<	39° <	57	0.0<0.1s<0.4
Minimum Energy:	84<	87° <	-90	1.8<3.4s<4.0
Eigenvalue:	-17<	-11° <	-7	2.8<4.0s<4.0

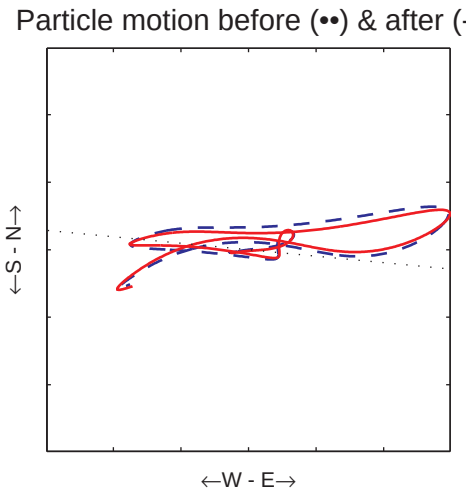
Quality: **good** IsNull: **Yes** Phase: **SKS**

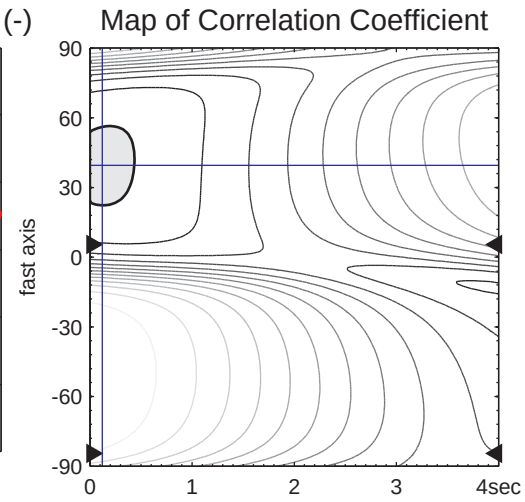


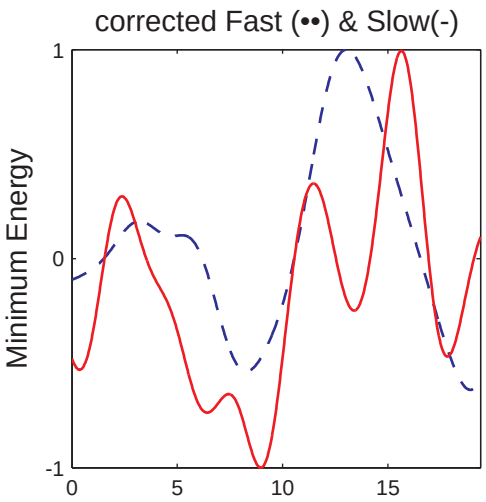
Inc = **10.1”**

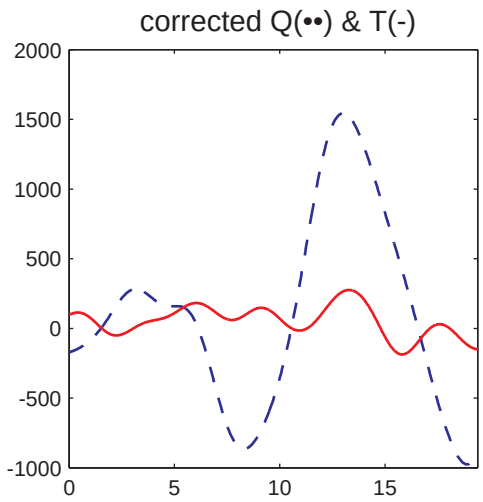


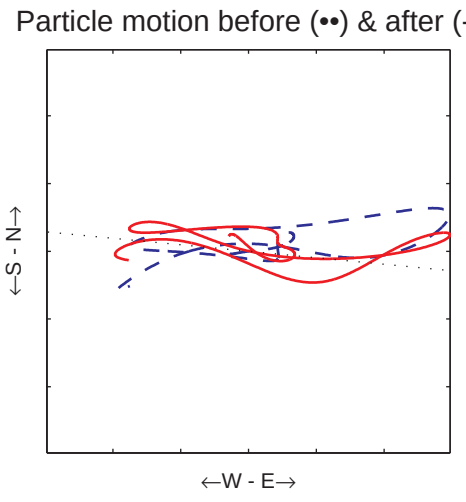


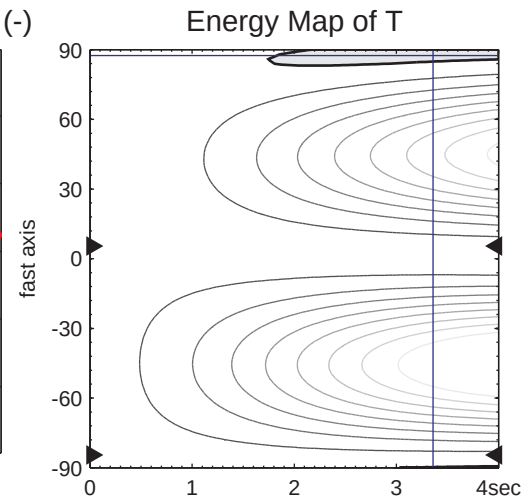


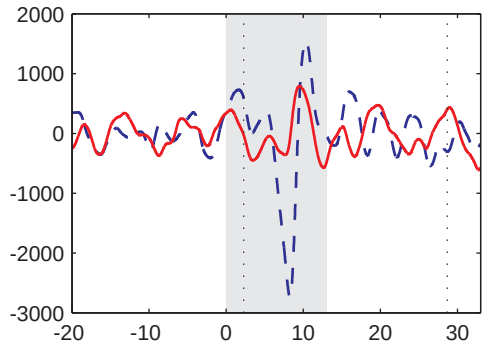








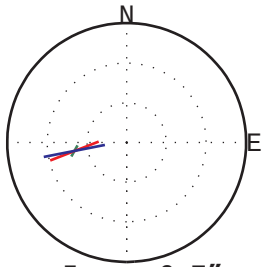


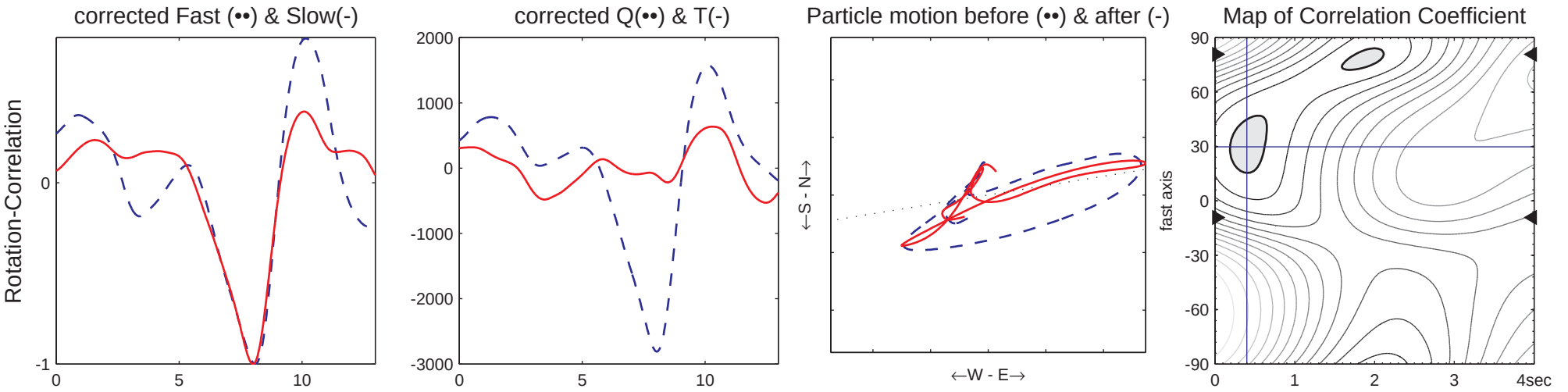


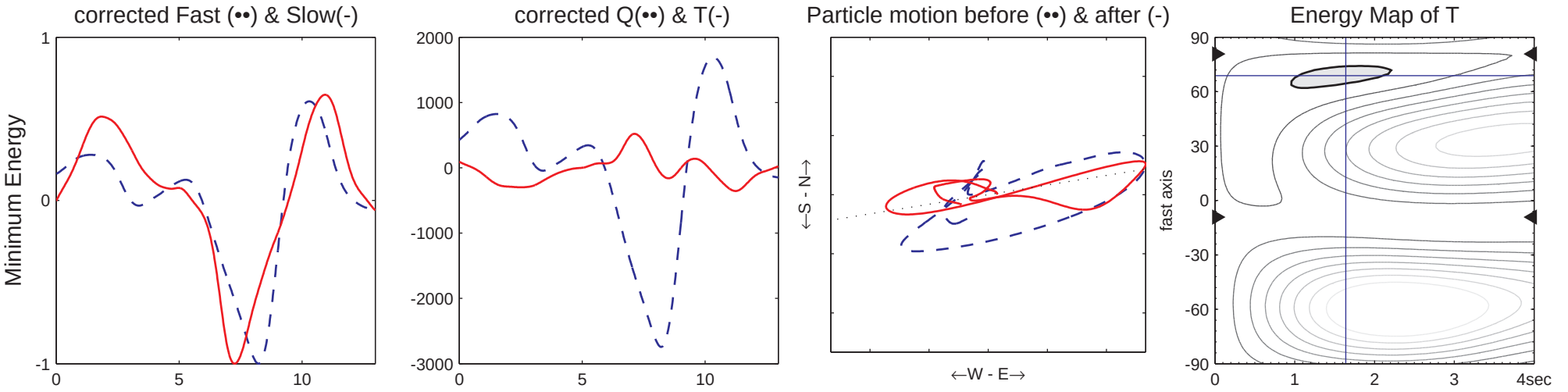
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **BNN** Backazimuth: **260.8”** Distance: **114.07”**
init.Pol.: **97.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.8**

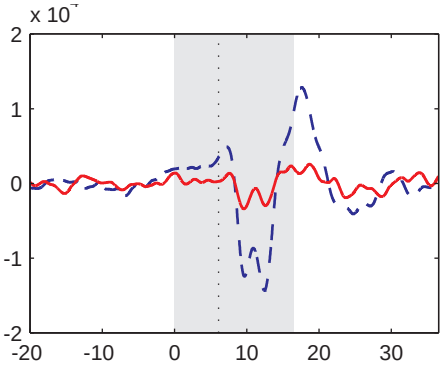
Rotation Correlation:	16<	30° <	47	0.2<0.4s<0.6
Minimum Energy:	62<	69° <	74	1.0<1.6s<2.2
Eigenvalue:	76<	79° <	86	1.7<2.0s<2.2

Quality: **fair** IsNull: **Yes** Phase: **SKS**





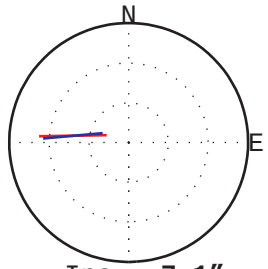


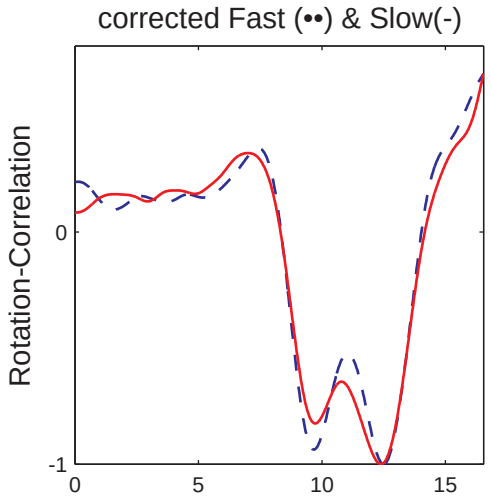


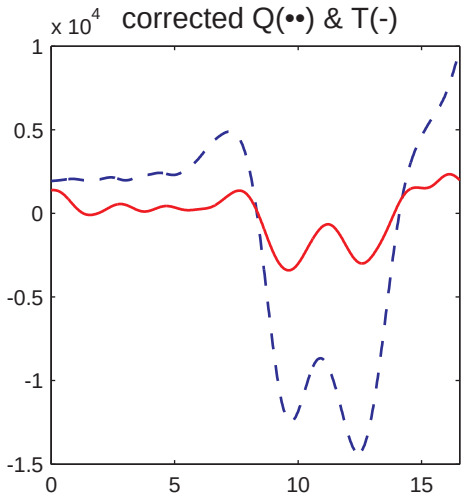
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **BNN** Backazimuth: **276.9”** Distance: **110.62”**
init.Pol.: **88.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.2**

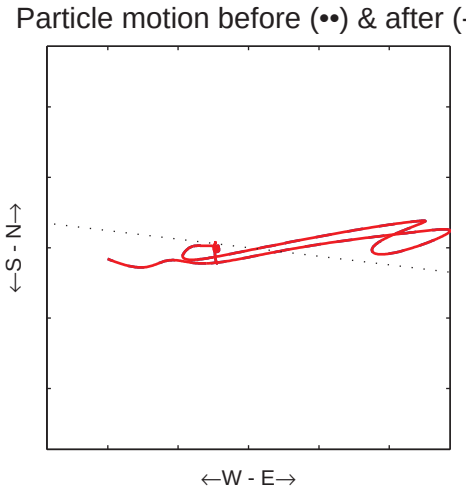
Rotation Correlation:	27<	40° <	55	0.0<0.0s<0.0
Minimum Energy:	84<	89° <	-90	1.3<2.1s<4.0
Eigenvalue:	84<	85° <	86	1.4<1.9s<2.3

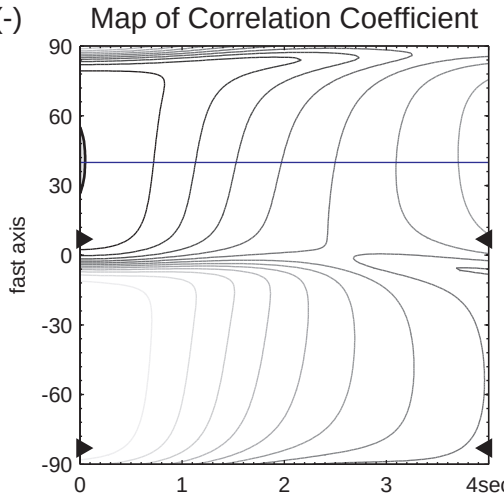
Quality: **good** IsNull: **Yes** Phase: **SKS**

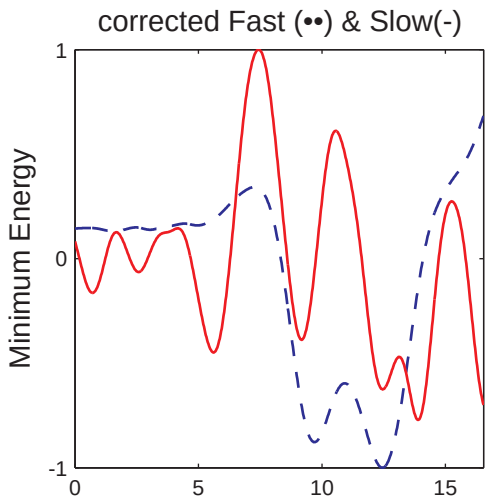


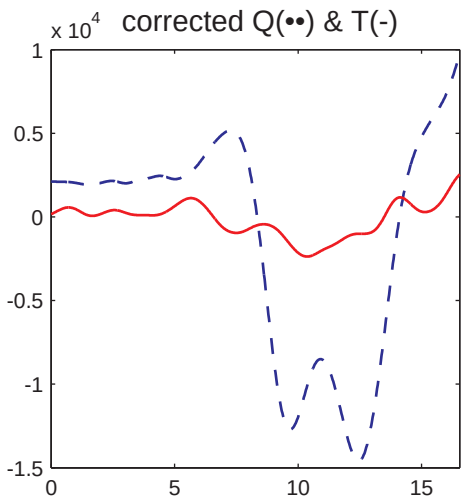


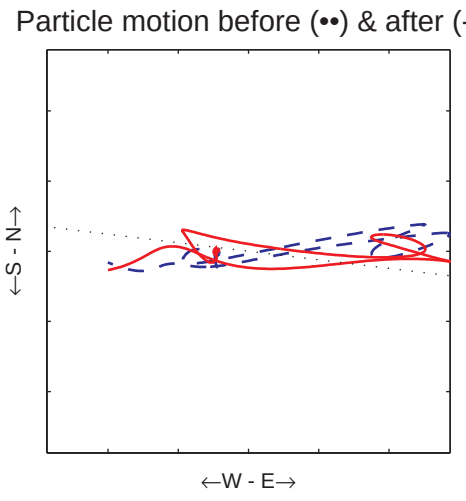


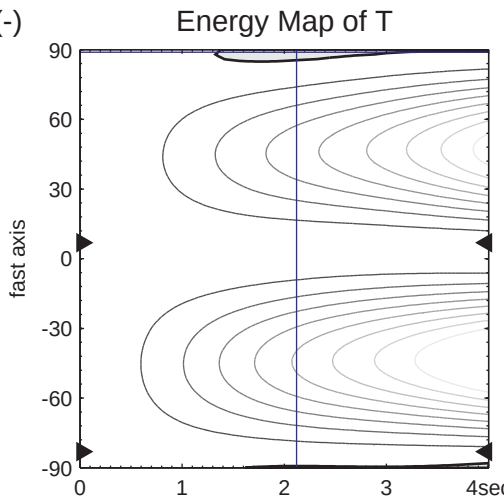


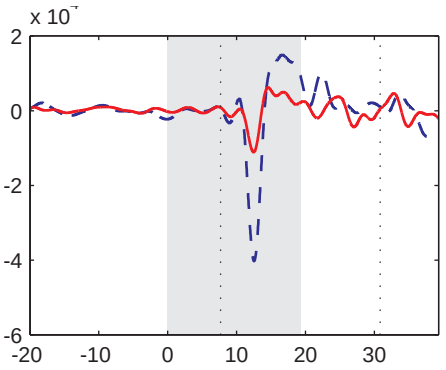








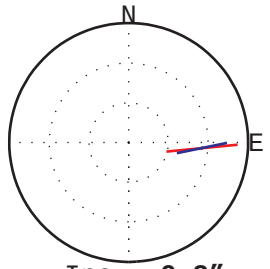


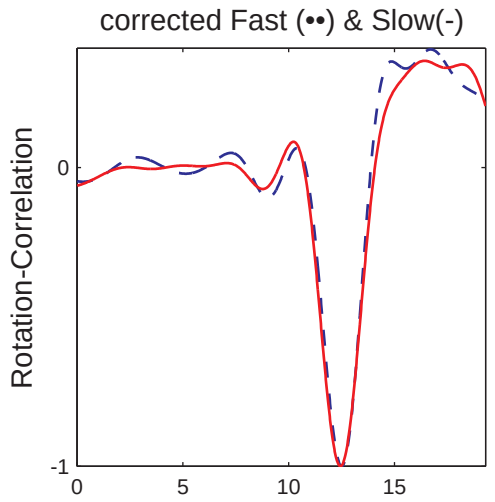


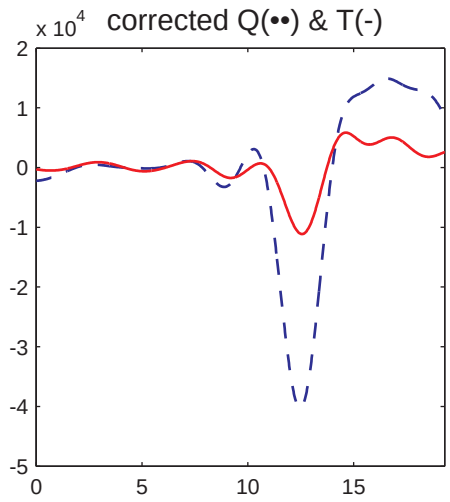
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **BNN** Backazimuth: **94.4”** Distance: **94.69”**
init.Pol.: **262.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.2**

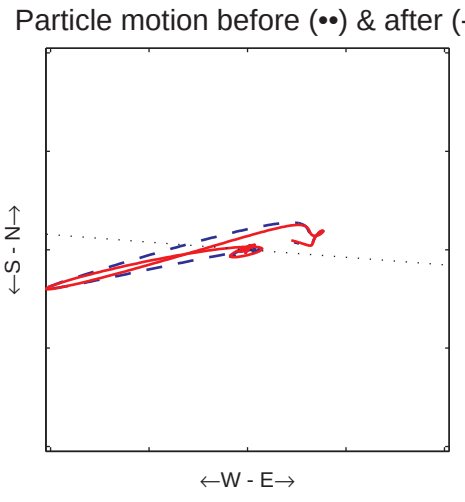
Rotation Correlation:	25<	34° <	45	0.0<0.1s<0.2
Minimum Energy:	84<	84° <	88	1.7<2.2s<3.0
Eigenvalue:	78<	78° <	80	1.1<1.6s<1.9

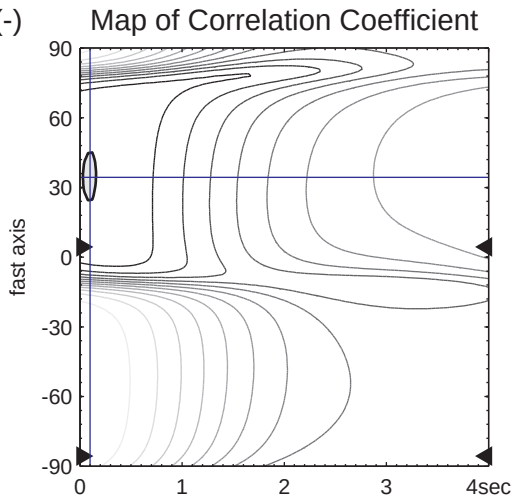
Quality: **good** IsNull: **Yes** Phase: **SKS**

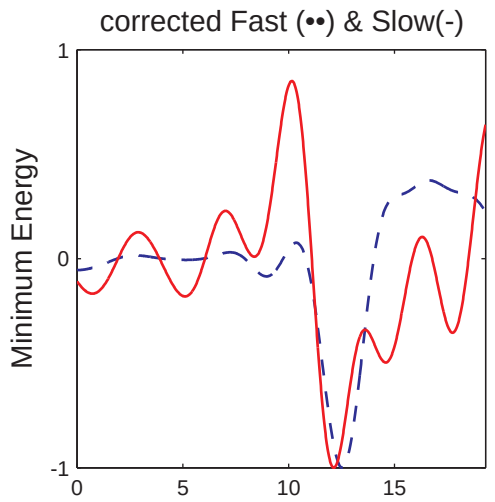


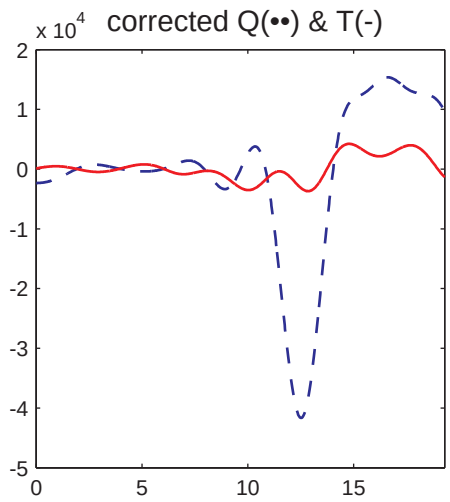


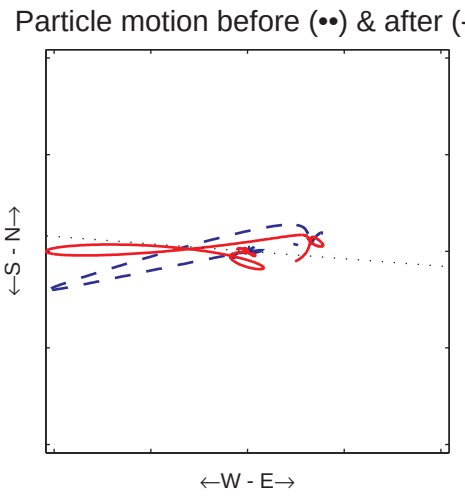


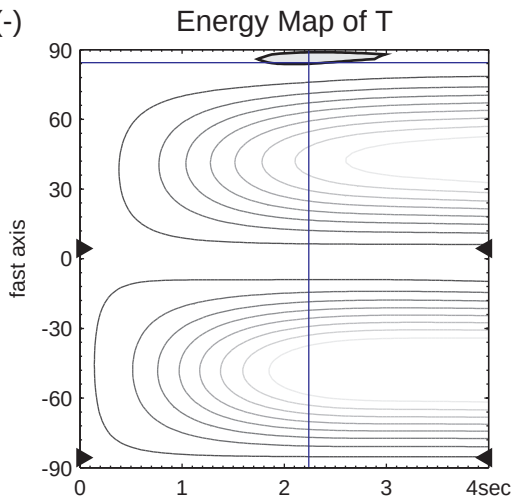


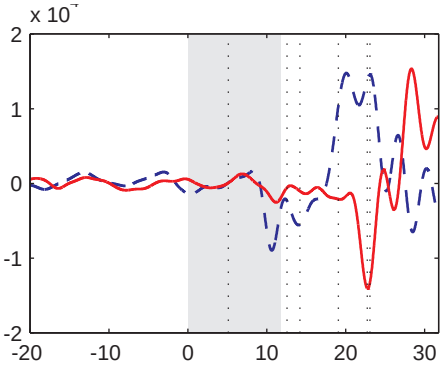








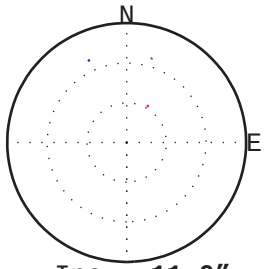




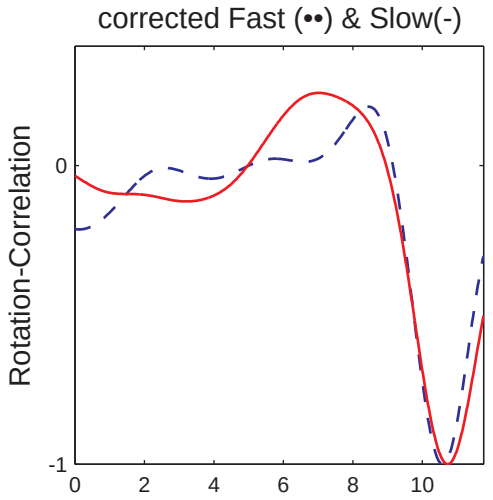
Event: **02-Sep-2011 (245) 10:55 52.17N -171.71E 32km Mw=6.9**
Station: **BNN** Backazimuth: **16.5”** Distance: **85.87”**
init.Pol.: **184.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

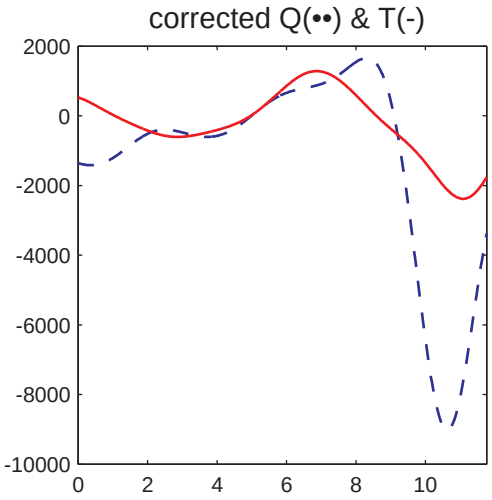
Rotation Correlation:	33<	47° <	63	0.0<0.1s<0.2
Minimum Energy:	-1<	5° <	11	2.3<3.0s<3.8
Eigenvalue:	86<	89° < -90		3.3<3.9s<4.0

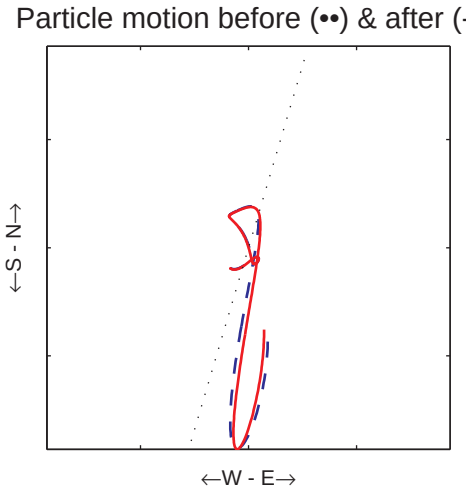
Quality: **good** IsNull: **Yes** Phase: **SKS**

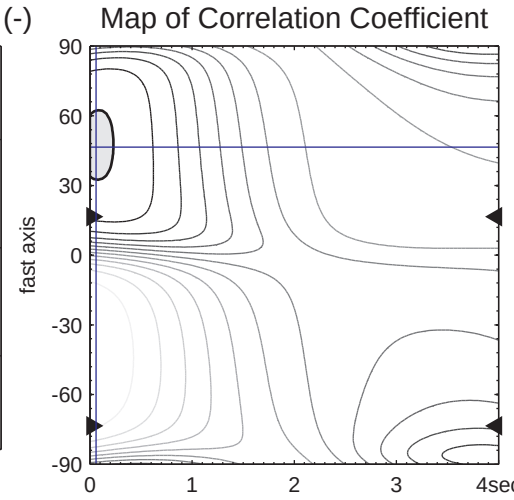


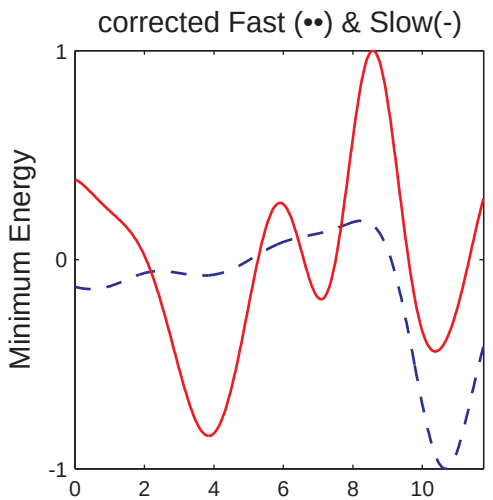
Inc = **11.0”**

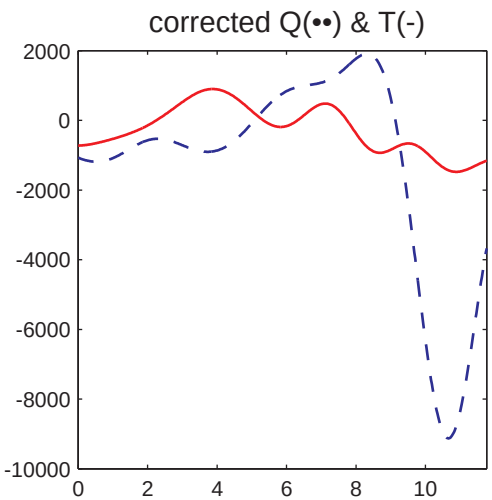


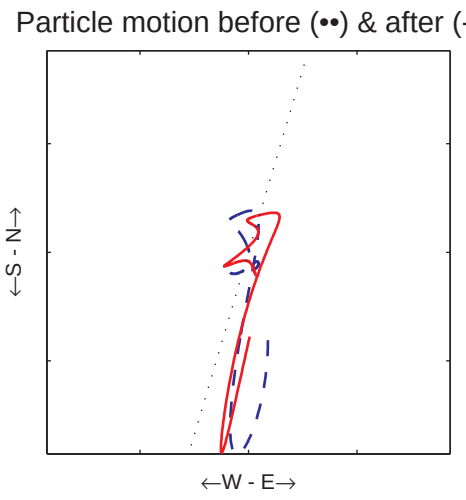


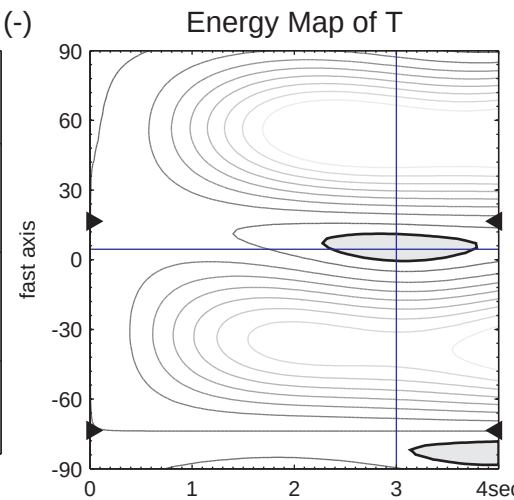


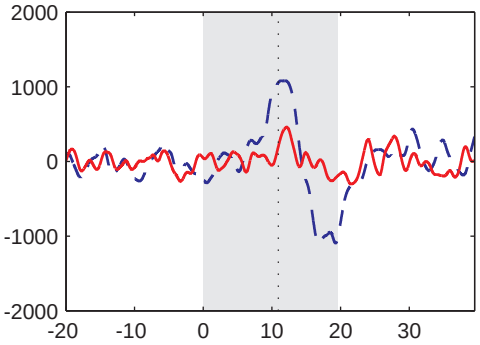








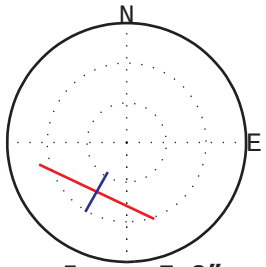


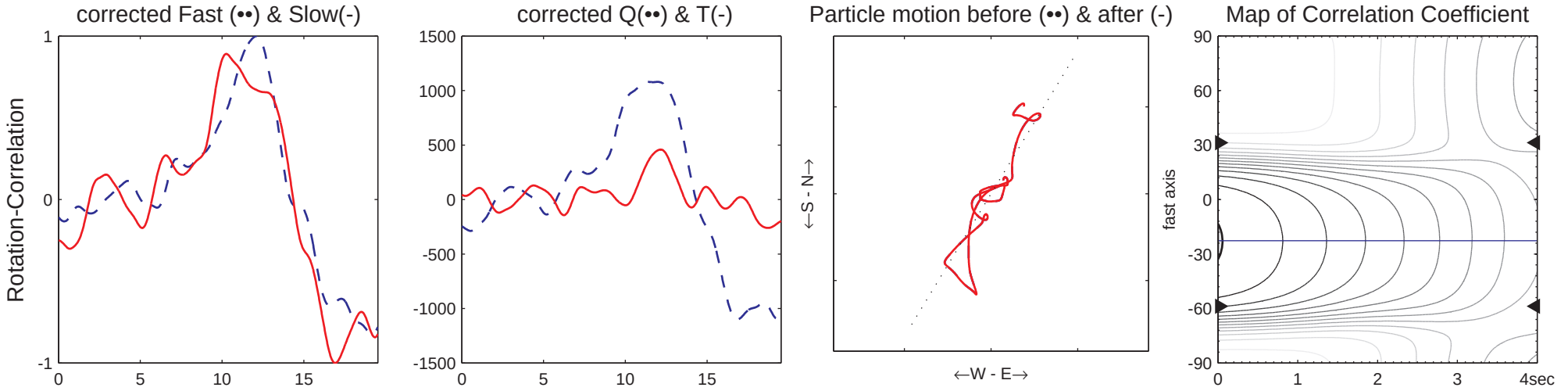


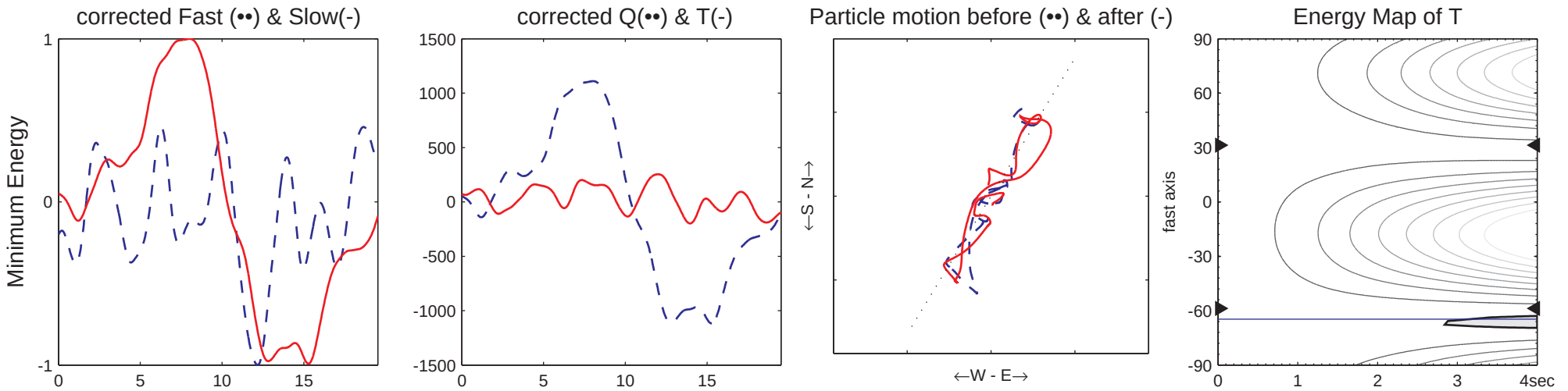
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **BNN** Backazimuth: **211.3”** Distance: **108.99”**
init.Pol.: **19.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

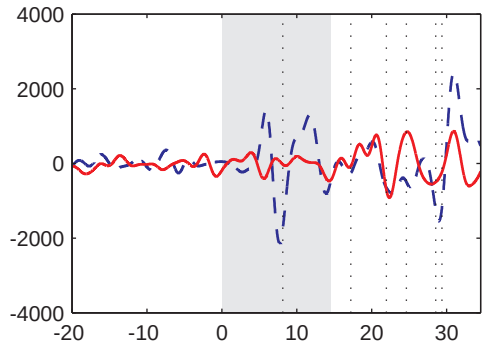
Rotation Correlation:	-34<	-23° < -15	0.0<0.0s<0.0
Minimum Energy:	-72<	-65° < -66	2.8<4.0s<4.0
Eigenvalue:	21<	29° < 66	0.3<1.4s<2.4

Quality: **good** IsNull: **Yes** Phase: **SKS**





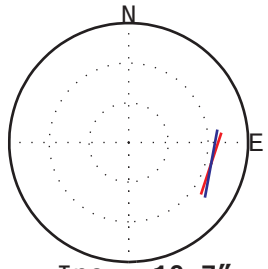




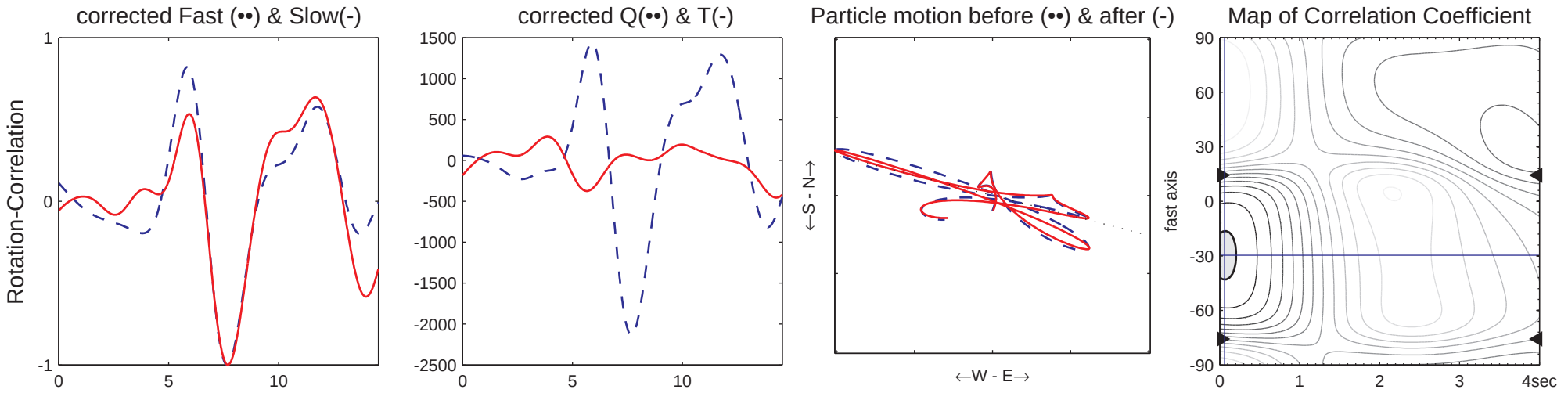
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **BNN** Backazimuth: **104.3”** Distance: **87.24”**
init.Pol.: **270.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

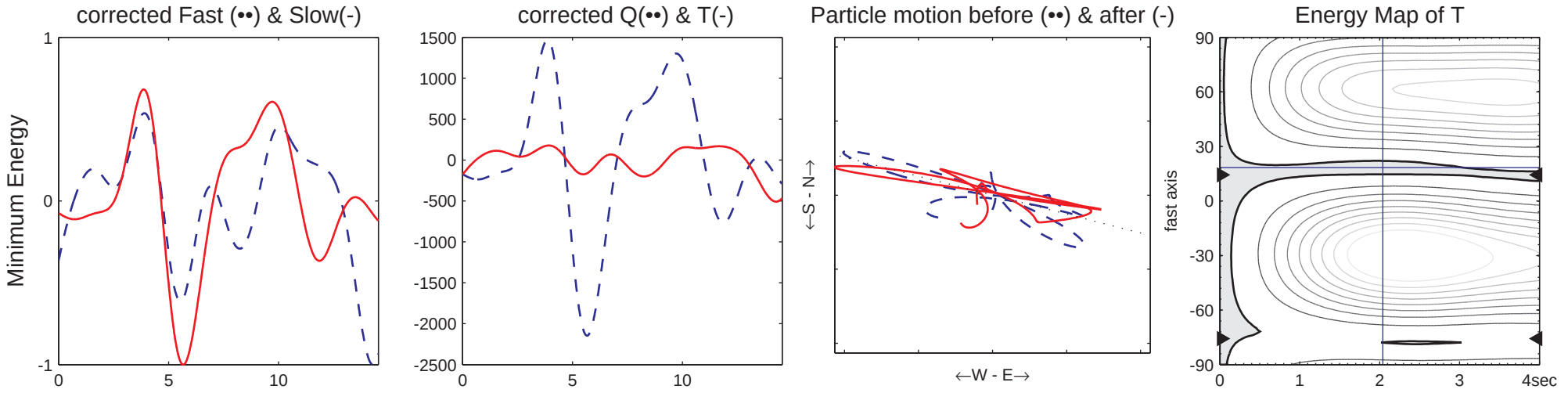
Rotation Correlation:	-44<	-30° < -18	0.0<0.1s<0.2
Minimum Energy:	-Inf<	18° < Inf	0.0<2.0s<Inf
Eigenvalue:	5<	10° < 15	1.8<2.2s<2.5

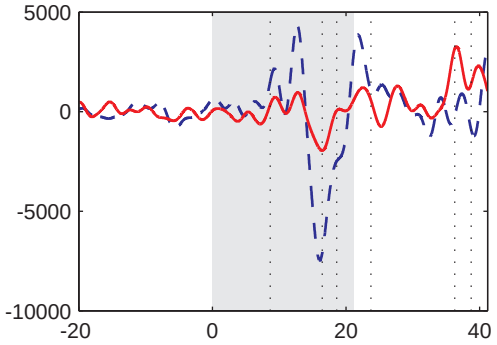
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.7”**



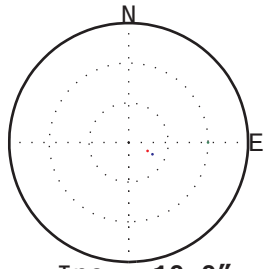




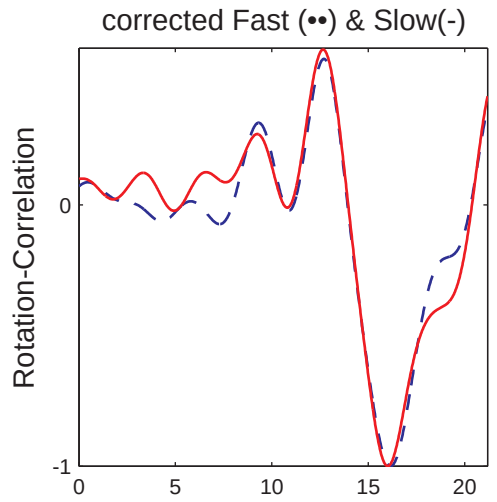
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **BNN** Backazimuth: **90.1”** Distance: **91.42”**
init.Pol.: **262.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.1**

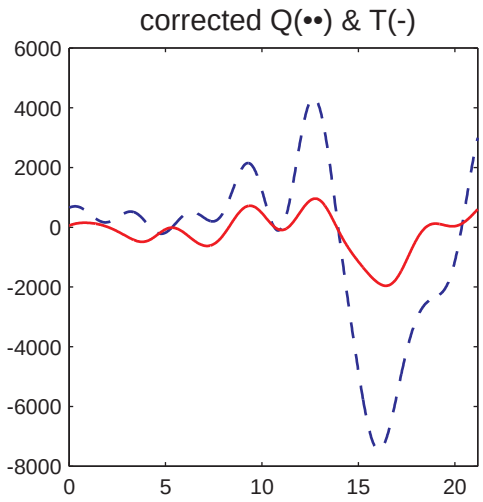
Rotation Correlation:	21<	32° <	45	0.0<0.0s<0.1
Minimum Energy:	82<	82° <	86	3.2<3.8s<4.0
Eigenvalue:	76<	78° <	82	2.6<3.6s<4.0

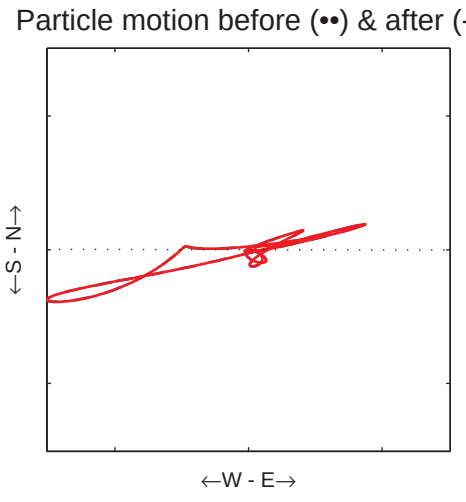
Quality: **good** IsNull: **Yes** Phase: **SKS**

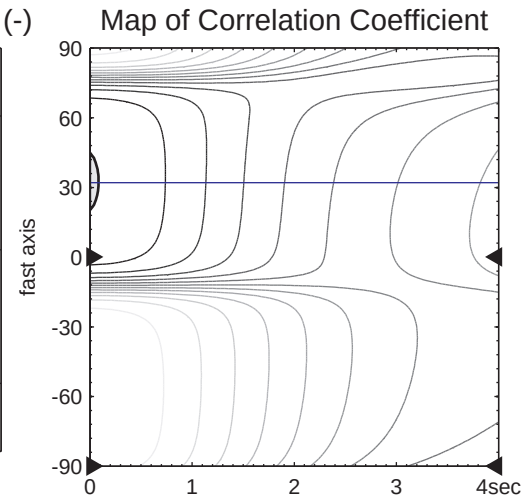


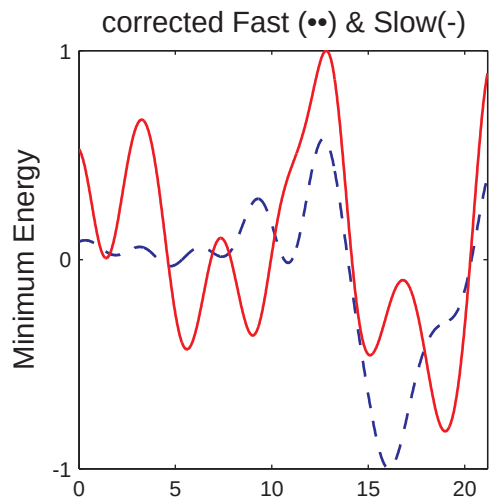
Inc = **10.0”**

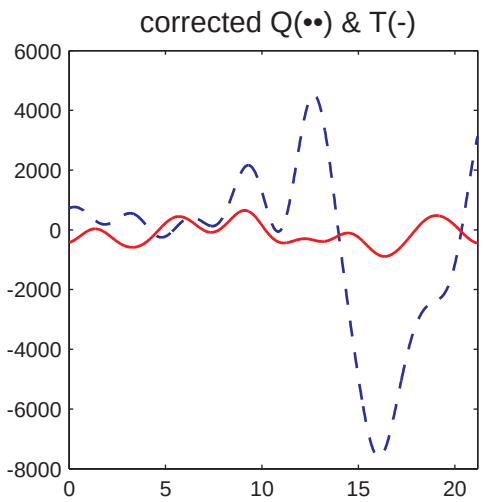


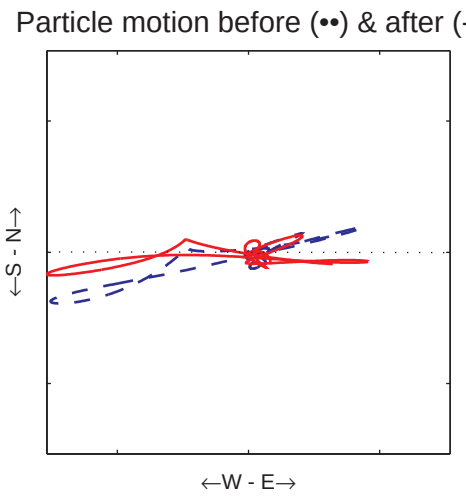


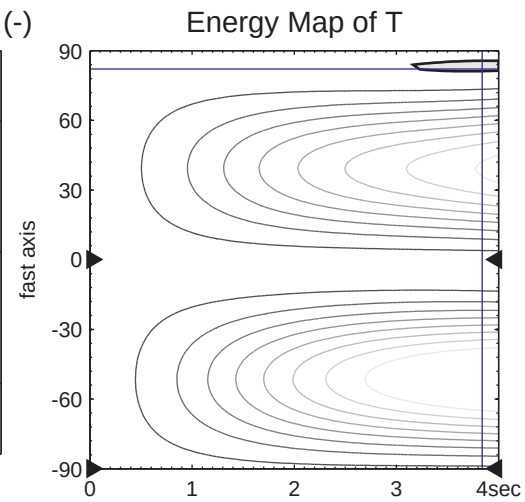


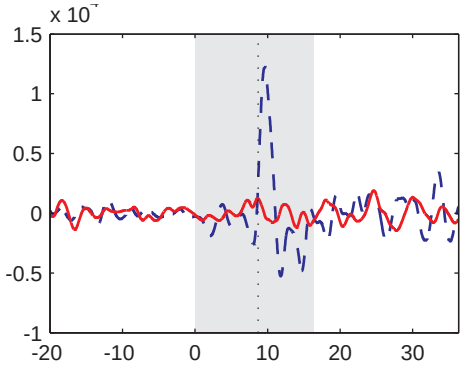








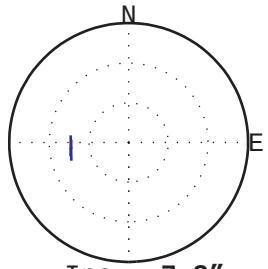


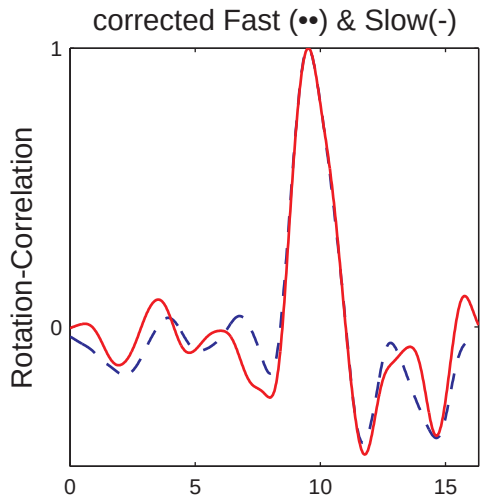


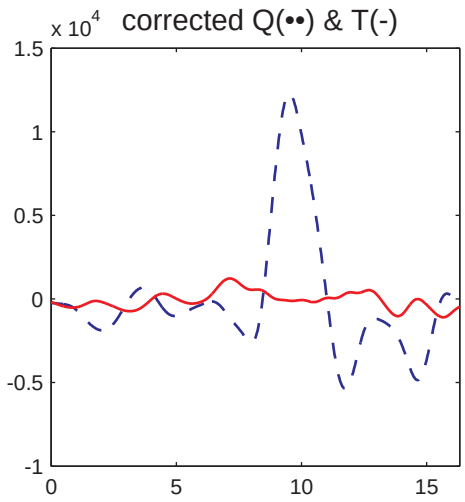
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **BNN** Backazimuth: **264.5”** Distance: **107.98”**
init.Pol.: **81.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.7**

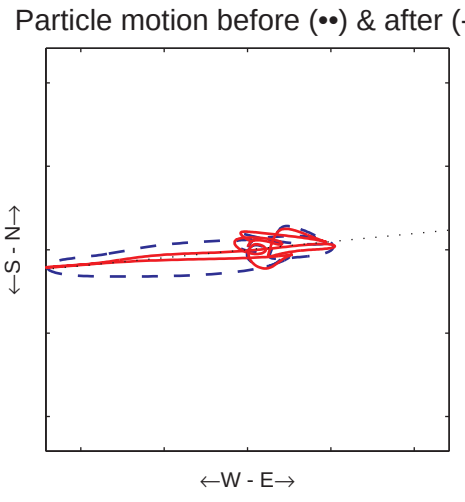
Rotation Correlation:	31<	39° <	49	0.1<0.1s<0.2
Minimum Energy:	-3<	2° <	66	0.1<0.5s<1.2
Eigenvalue:	-9<	-2° <	39	0.1<0.8s<1.9

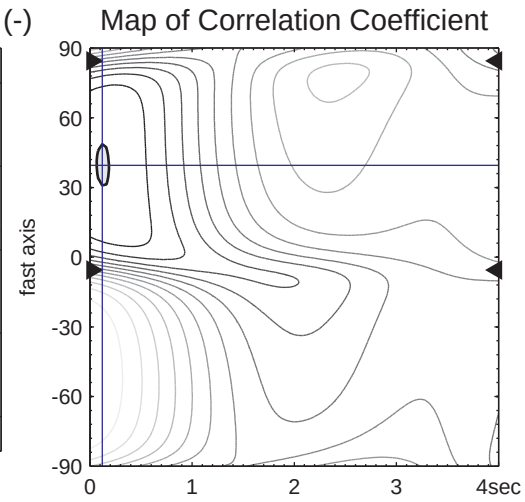
Quality: **fair** IsNull: **Yes** Phase: **SKS**

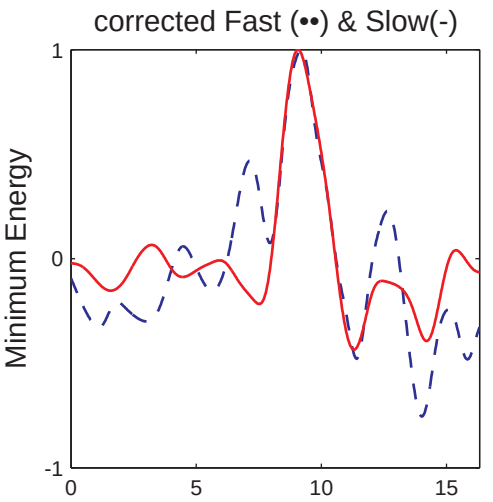


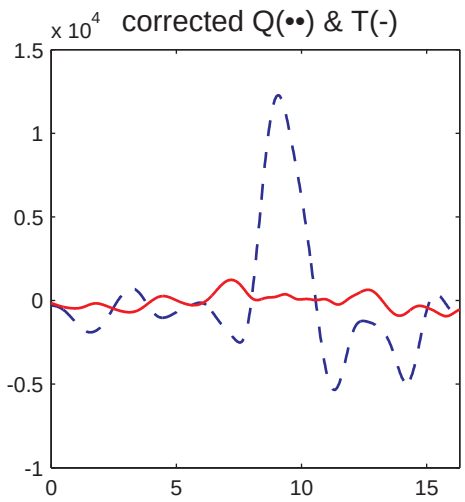


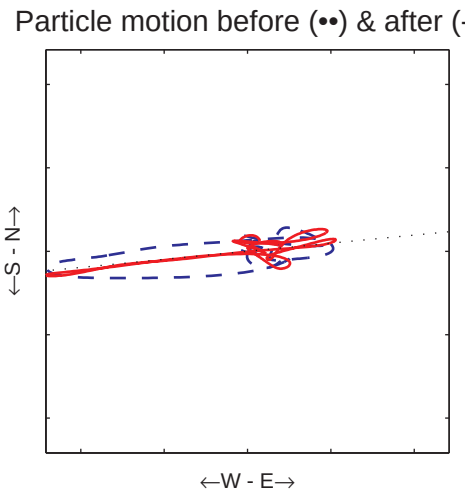


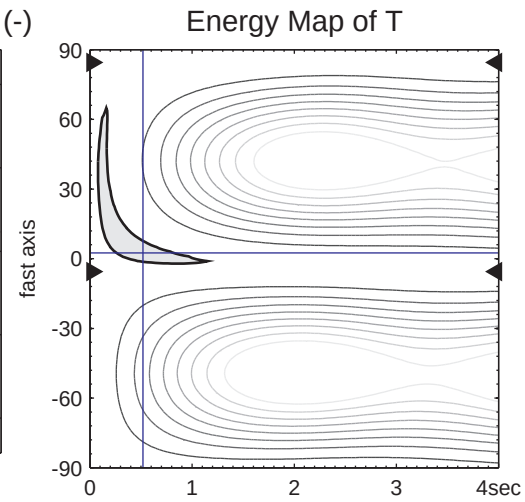


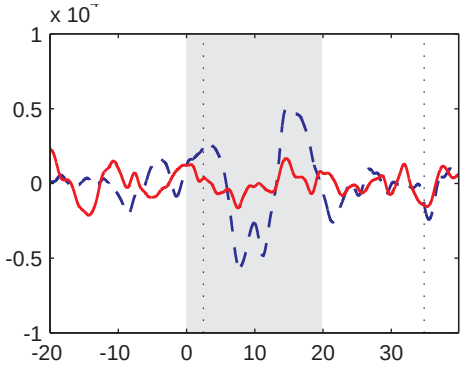








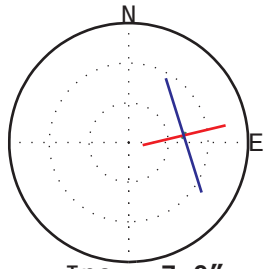




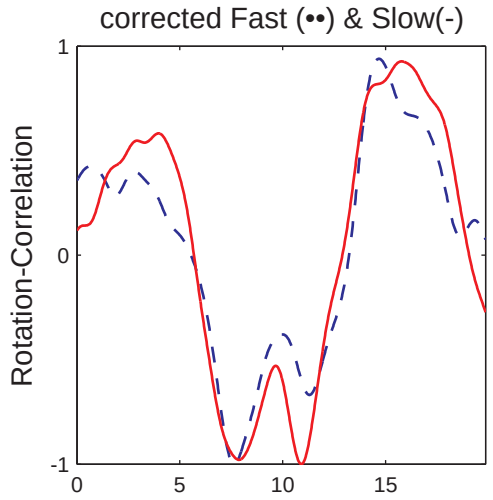
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **BNN** Backazimuth: **82.6”** Distance: **111.02”**
init.Pol.: **246.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.2**

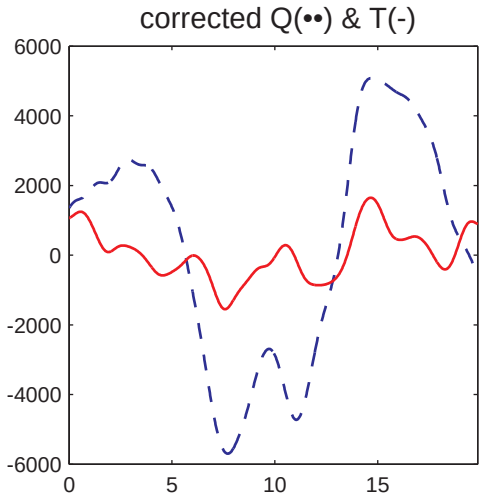
Rotation Correlation:	19<	30° <	42	0.0<0.2s<0.5
Minimum Energy:	72<	77° <	82	1.3<2.7s<4.0
Eigenvalue:	-23<	-17° <	-15	2.8<3.8s<4.0

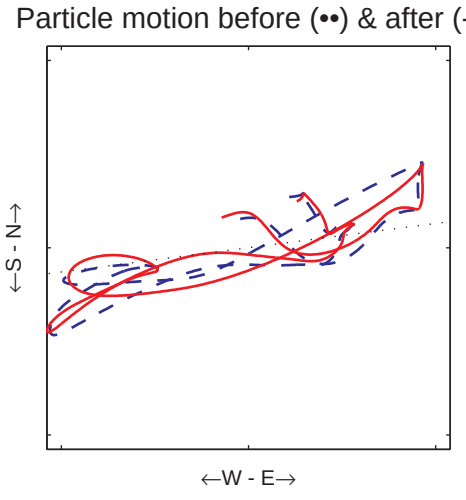
Quality: **good** IsNull: **Yes** Phase: **SKS**

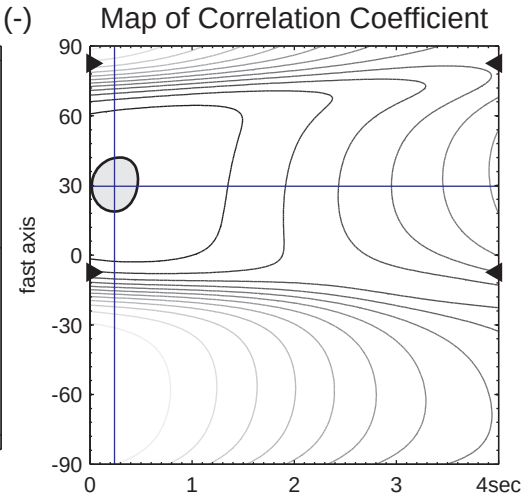


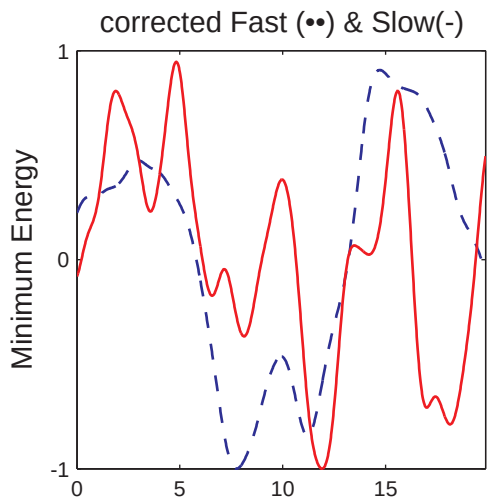
Inc = **7.0”**

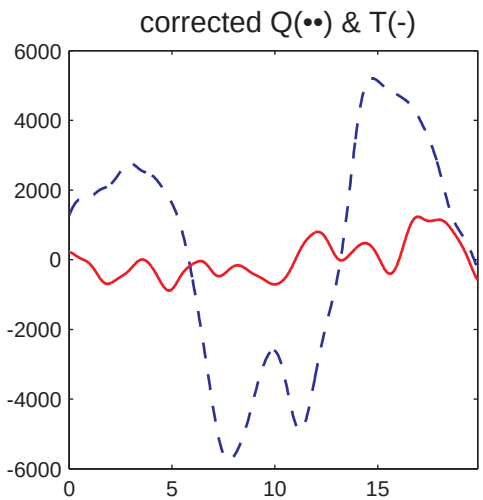


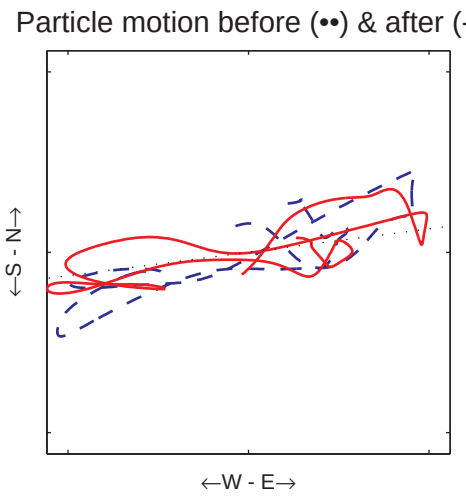


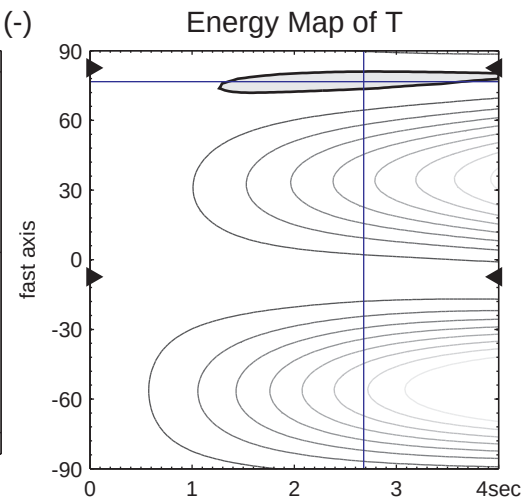


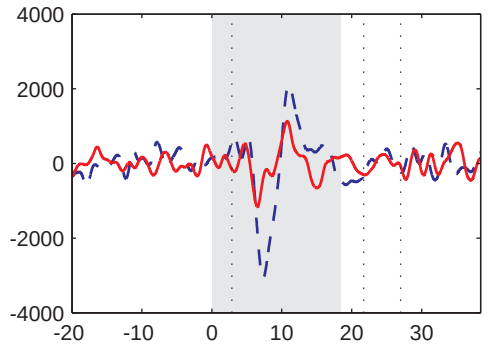








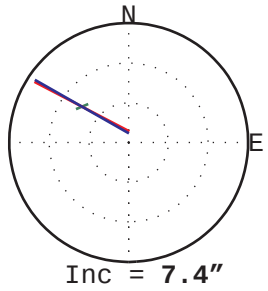


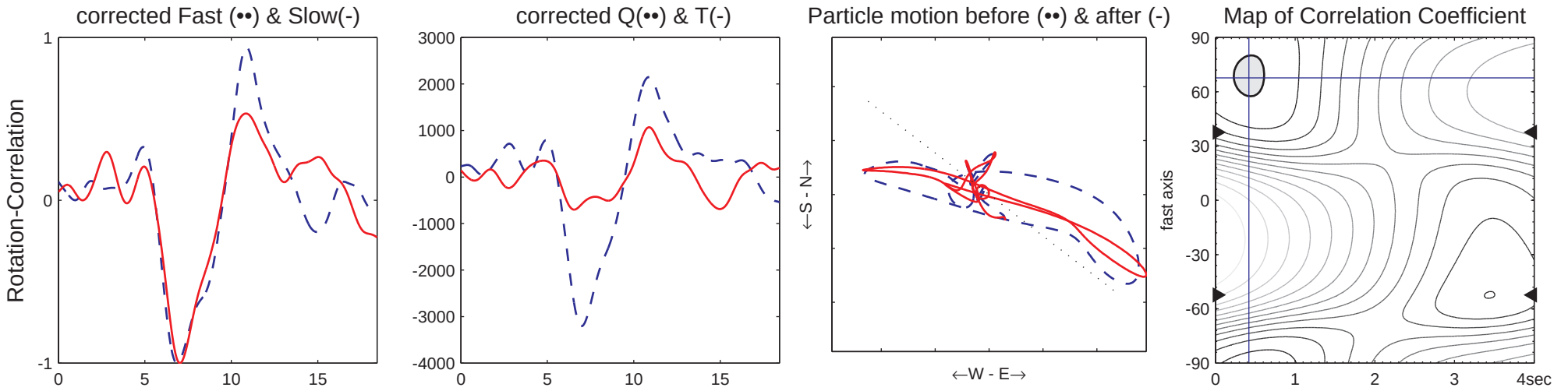


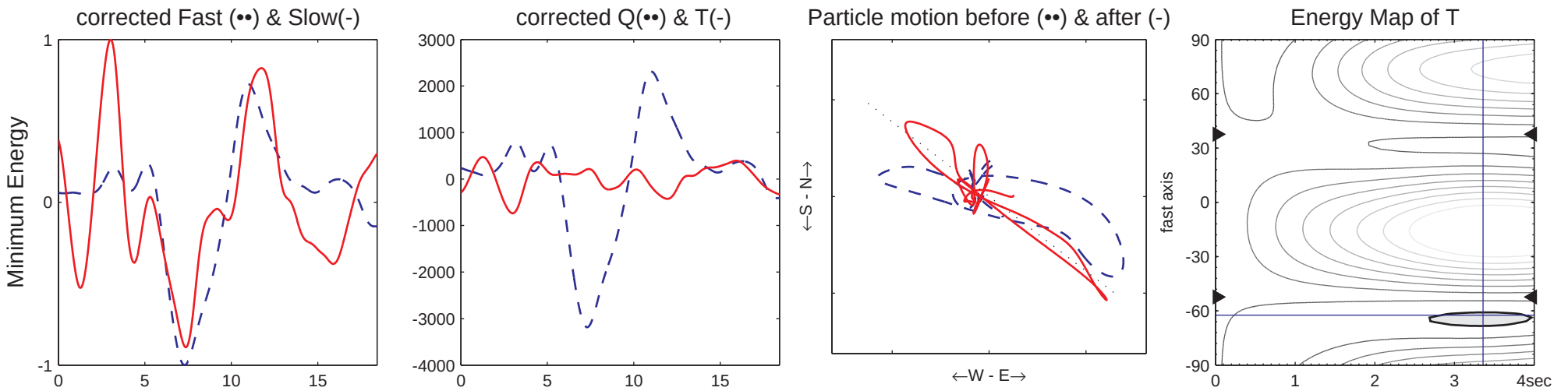
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **BNN** Backazimuth: **307.6”** Distance: **108.13”**
init.Pol.: **133.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

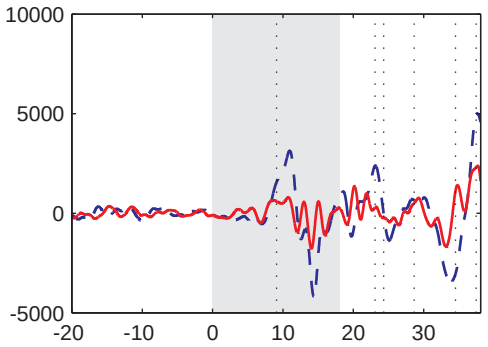
Rotation Correlation:	58<	68° <	80	0.2<0.4s<0.6
Minimum Energy:	-70<	-62° <	-64	2.7<3.4s<4.0
Eigenvalue:	-72<	-60° <	-56	2.8<3.4s<3.9

Quality: **good** IsNull: **Yes** Phase: **SKS**





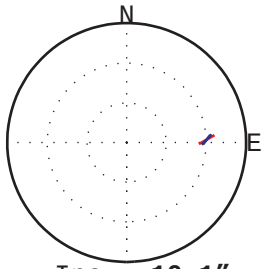




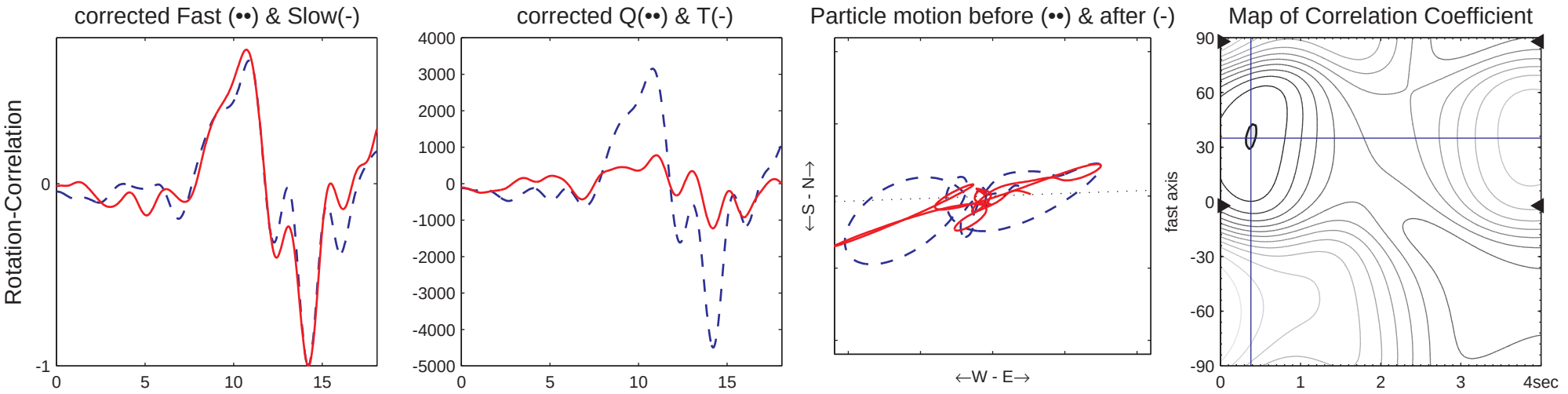
Event: **17-Mar-2007 (076) 17:42** **1.15N 126.25E** **35km** Mw=**6.2**
Station: **CDAG** Backazimuth: **87.9”** Distance: **90.71”**
init.Pol.: **255.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

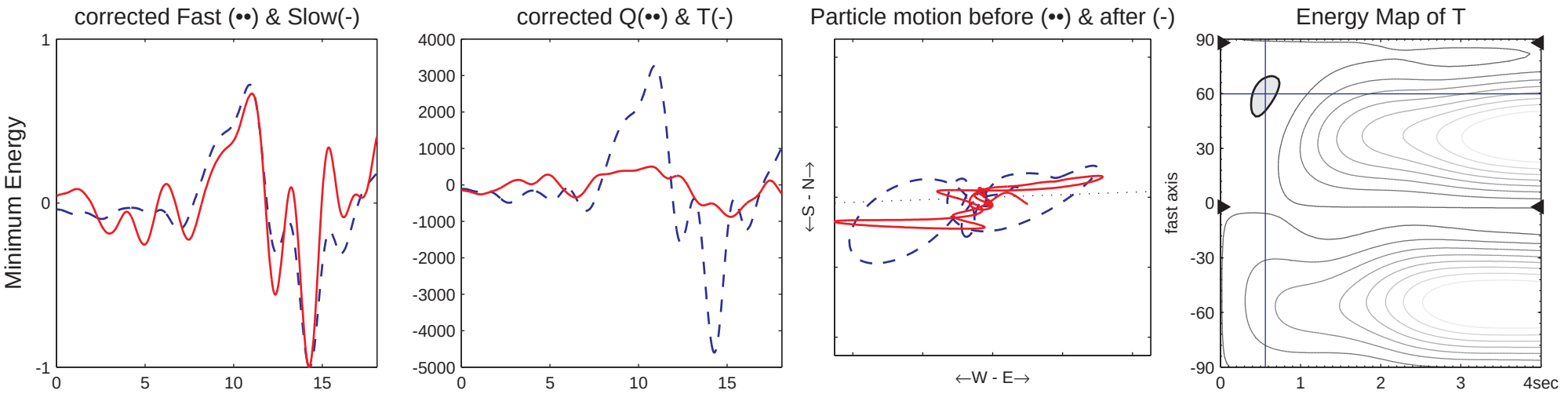
Rotation Correlation:	29<	35° <	43	0.3<0.4s<0.4
Minimum Energy:	48<	60° <	70	0.4<0.6s<0.7
Eigenvalue:	31<	44° <	54	0.3<0.4s<0.5

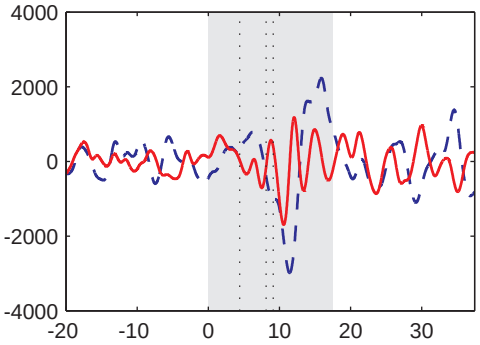
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



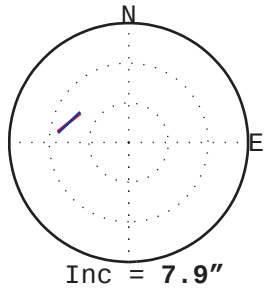


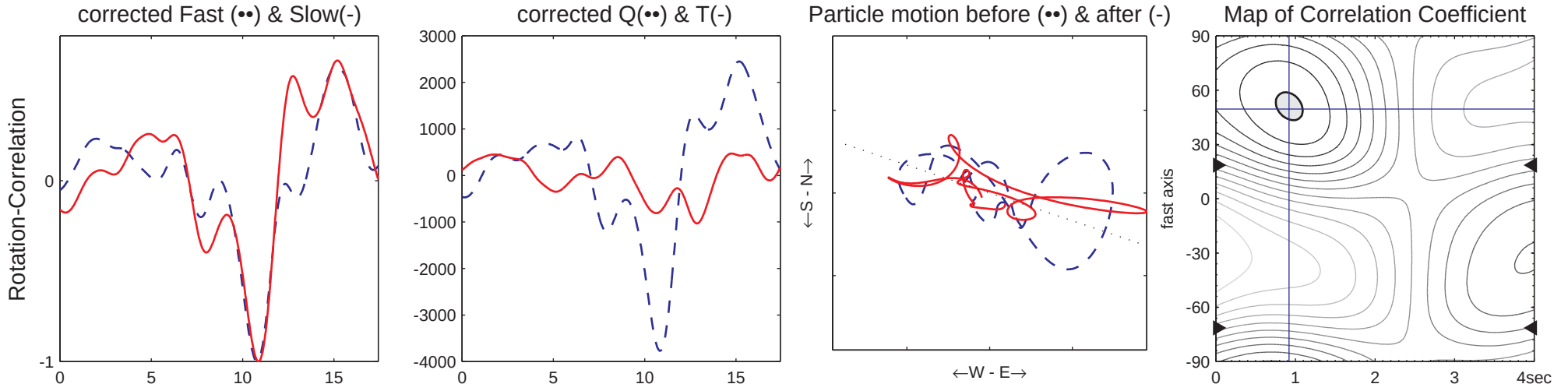


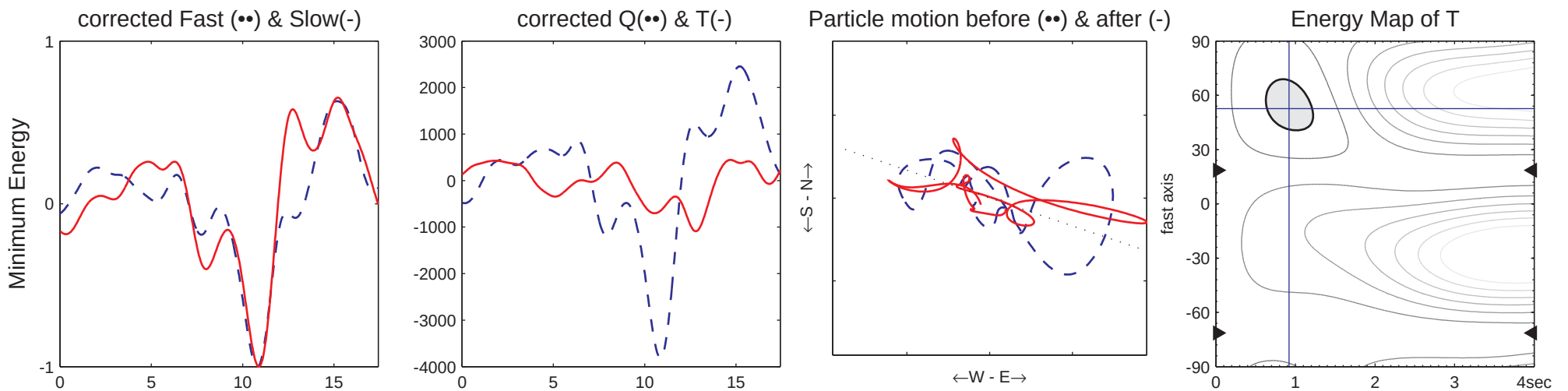
Event: **18-Mar-2007 (077) 02:11 4.58N -78.52E 8km Mw=6.4**
Station: **CDAG** Backazimuth: **288.6”** Distance: **104.34”**
init.Pol.: **100.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

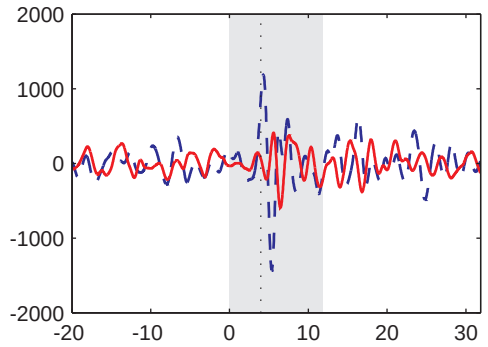
Rotation Correlation:	44<	50° <	59	0.8<0.9s<1.1
Minimum Energy:	41<	53° <	70	0.6<0.9s<1.2
Eigenvalue:	33<	47° <	62	0.7<1.0s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





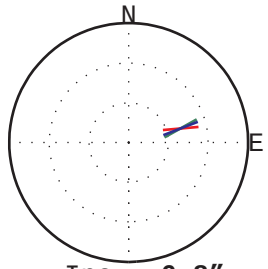


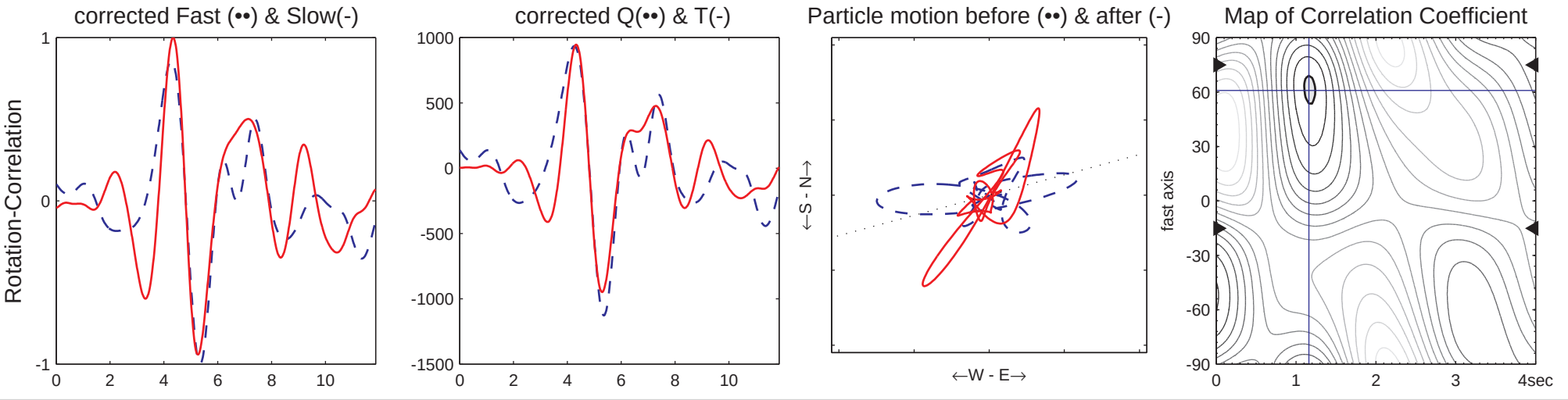


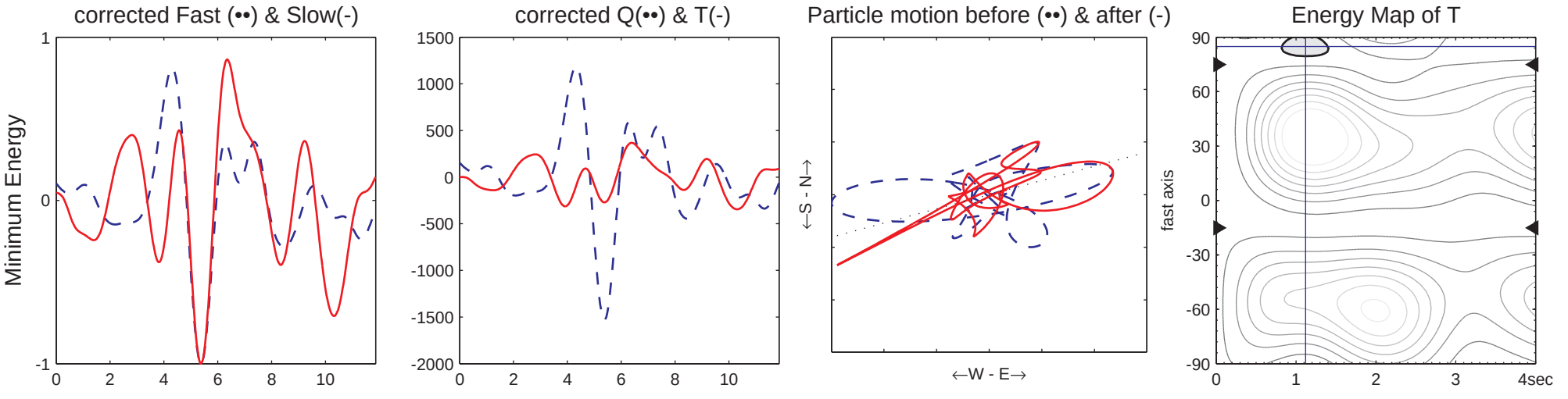
Event: **21-Apr-2007 (111) 07:12 -3.55N 151.27E 407km Mw=6.1**
Station: **CDAG** Backazimuth: **74.9”** Distance: **112.79”**
init.Pol.: **226.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

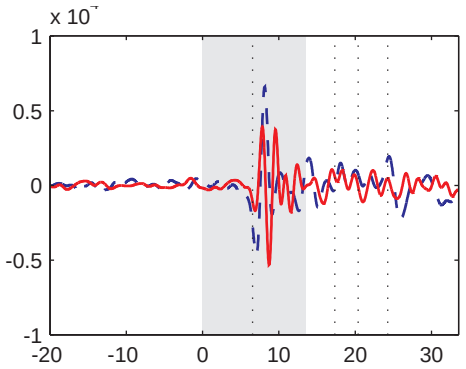
Rotation Correlation:	54<	61° <	69	1.1<1.2s<1.2
Minimum Energy:	80<	85° <	-92	0.8<1.1s<1.4
Eigenvalue:	58<	69° <	80	1.0<1.2s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





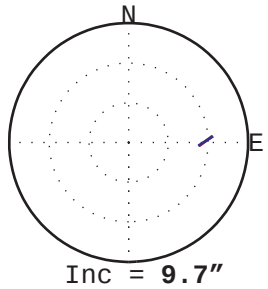


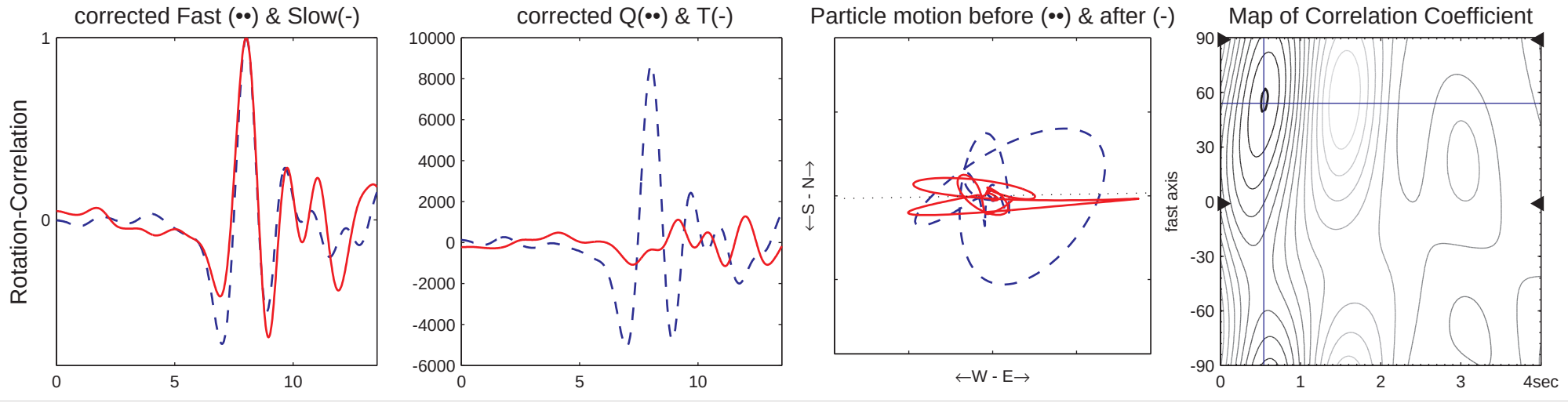


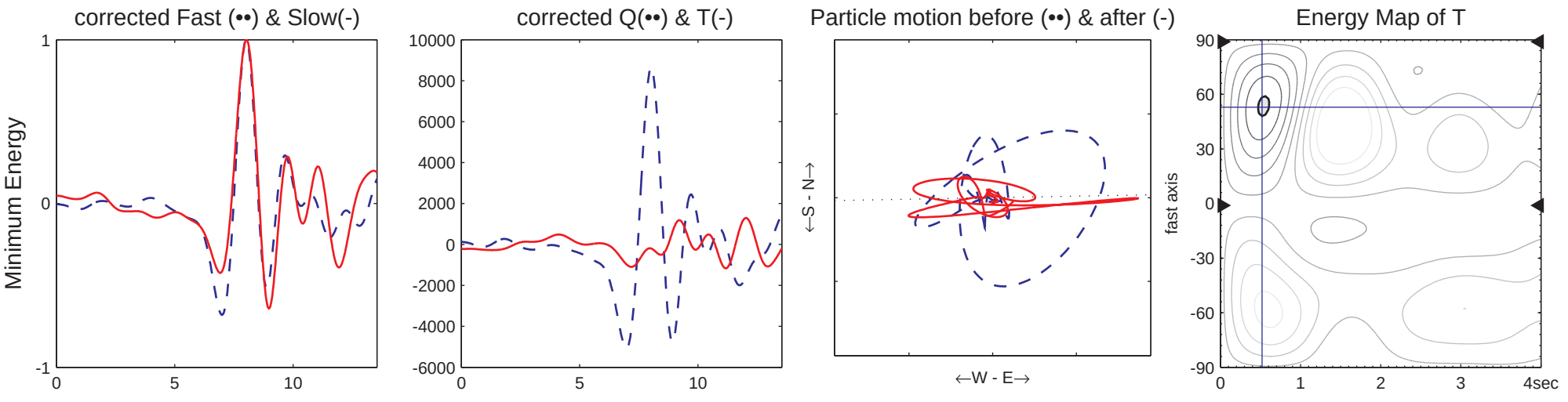
Event: **29-May-2007 (149) 09:36 -1.07N 127.34E 24km Mw=6.1**
Station: **CDAG** Backazimuth: **88.9”** Distance: **92.97”**
init.Pol.: **273.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.1**

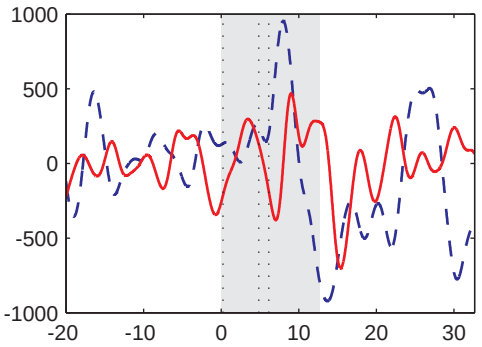
Rotation Correlation:	50<	54° <	62	0.5<0.5s<0.6
Minimum Energy:	48<	53° <	60	0.5<0.5s<0.6
Eigenvalue:	48<	57° <	66	0.5<0.6s<0.6

Quality: **good** IsNull: **No** Phase: **SKS**





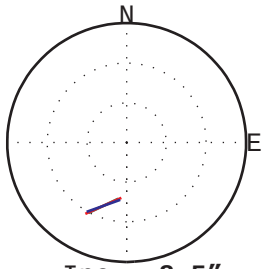




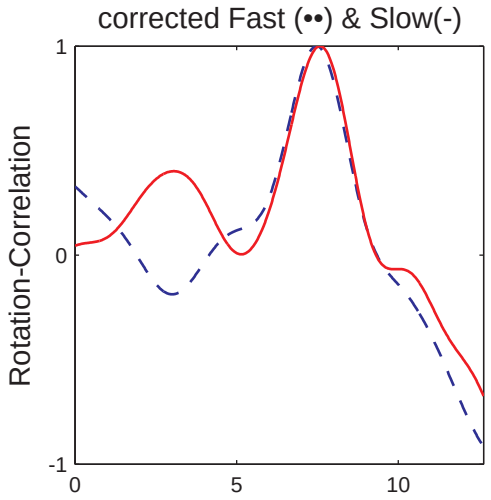
Event: **24-Jun-2007 (175) 00:25 -55.65N -2.63E 10km Mw=6.5**
Station: **CDAG** Backazimuth: **200.2”** Distance: **100.34”**
init.Pol.: **24.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

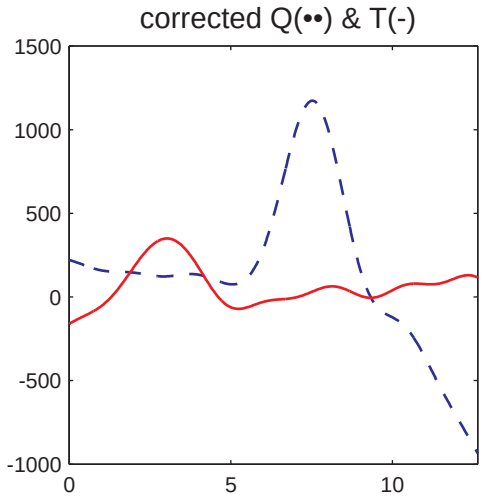
Rotation Correlation:	51<	64° <	80	0.7<1.0s<1.4
Minimum Energy:	52<	66° <	84	0.8<1.2s<1.6
Eigenvalue:	52<	70° <	-90	0.8<1.1s<1.5

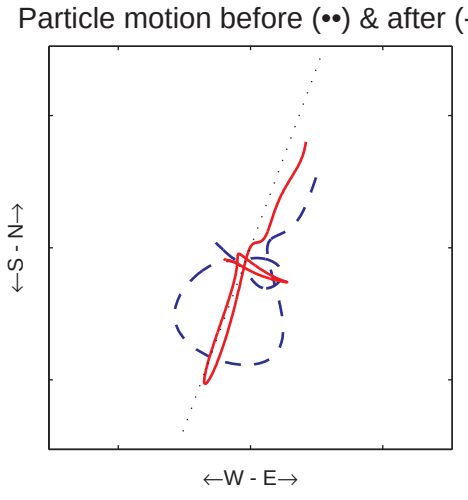
Quality: **good** IsNull: **No** Phase: **SKS**

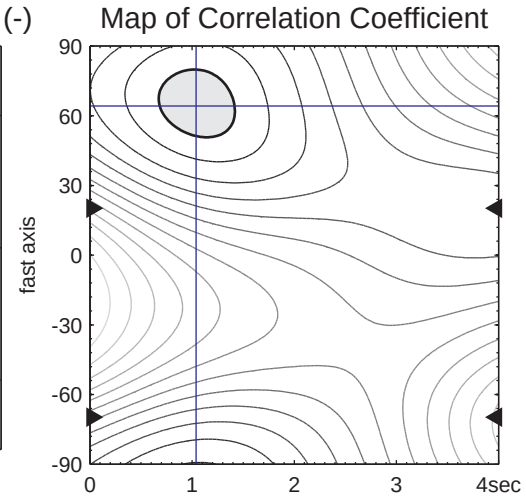


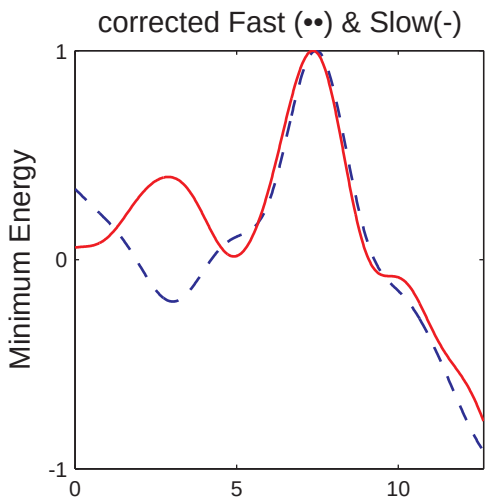
Inc = **8.5”**

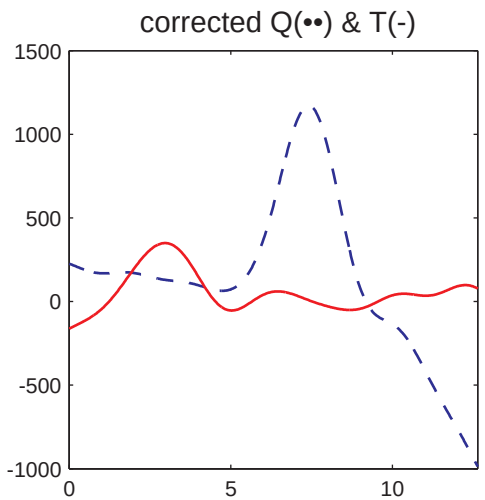


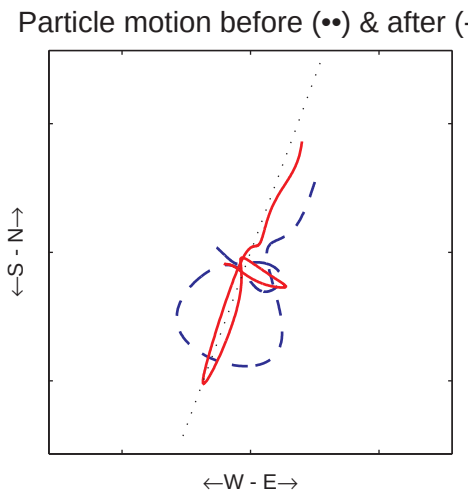


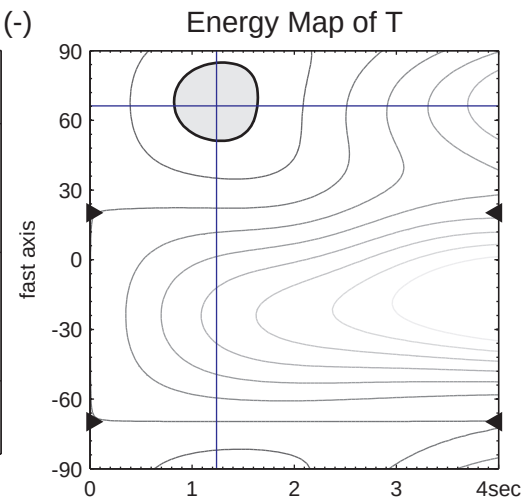


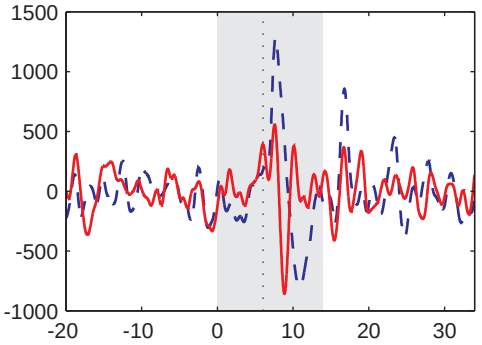








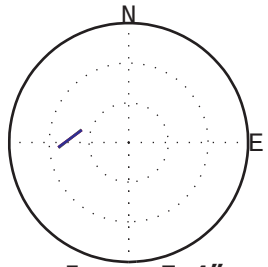


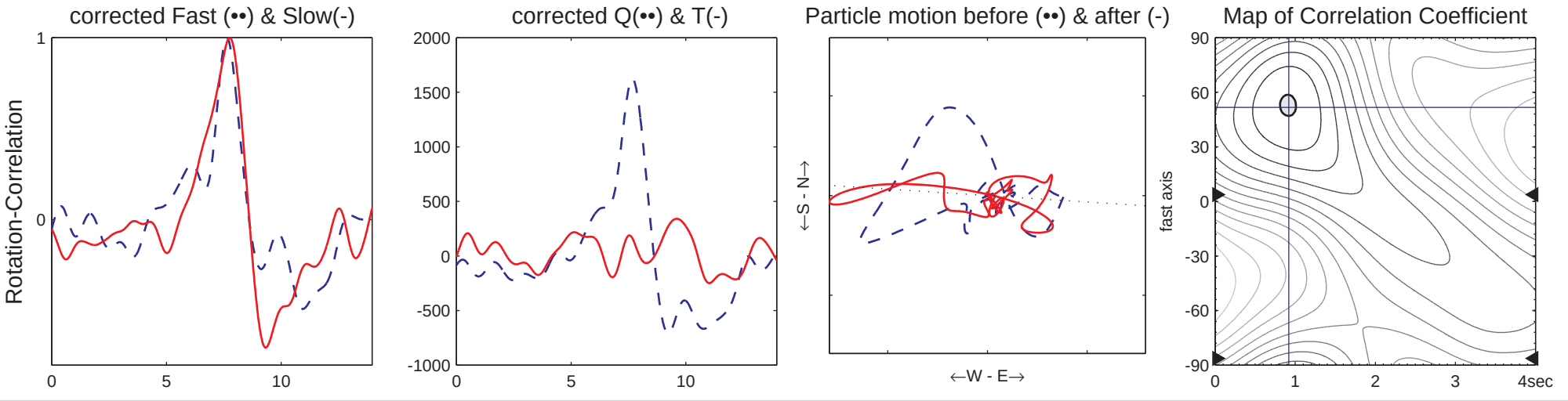


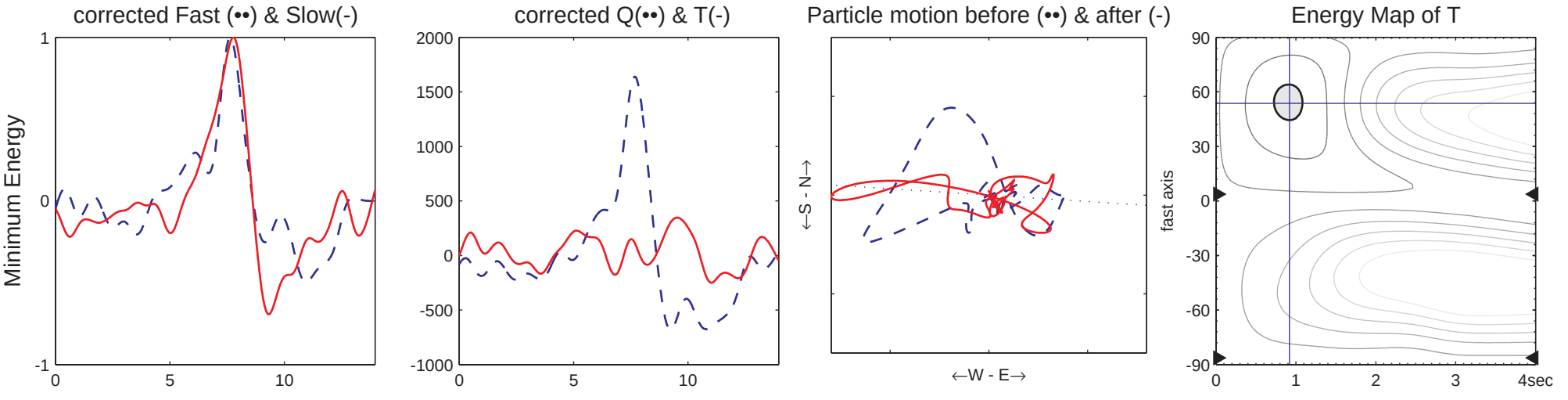
Event: **21-Jul-2007 (202) 13:27 -7.98N -71.13E 633km Mw=6.1**
Station: **CDAG** Backazimuth: **273.7”** Distance: **107.00”**
init.Pol.: **93.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

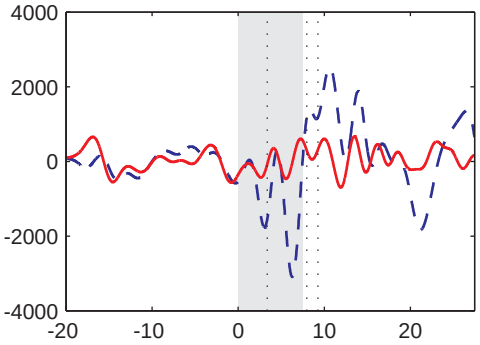
Rotation Correlation:	47<	52° <	59	0.8<0.9s<1.0
Minimum Energy:	43<	54° <	64	0.7<0.9s<1.1
Eigenvalue:	41<	54° <	66	0.7<0.9s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





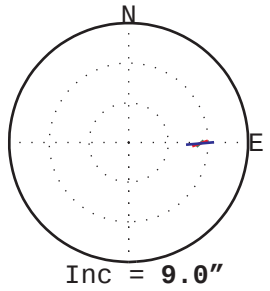


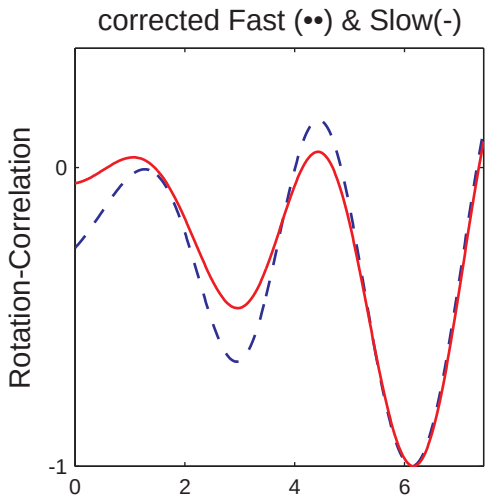


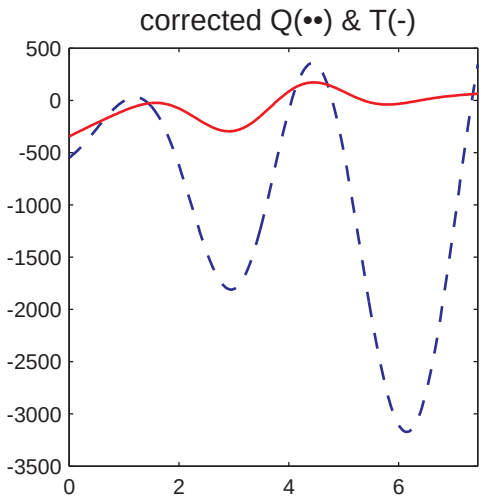
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **CDAG** Backazimuth: **90.8”** Distance: **97.24”**
init.Pol.: **281.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.7**

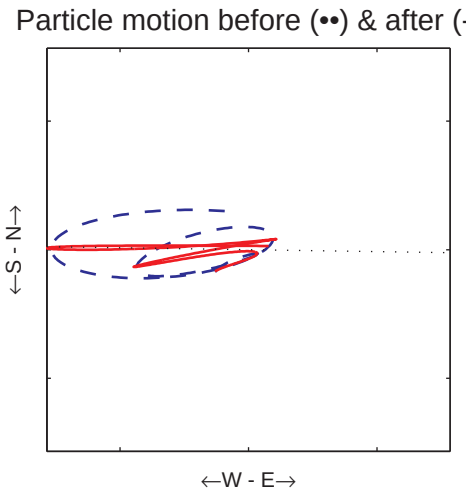
Rotation Correlation:	31<	49° <	67	0.2<0.3s<0.4
Minimum Energy:	58<	71° <	80	0.3<0.5s<0.7
Eigenvalue:	80<	85° <	-92	0.7<0.9s<1.0

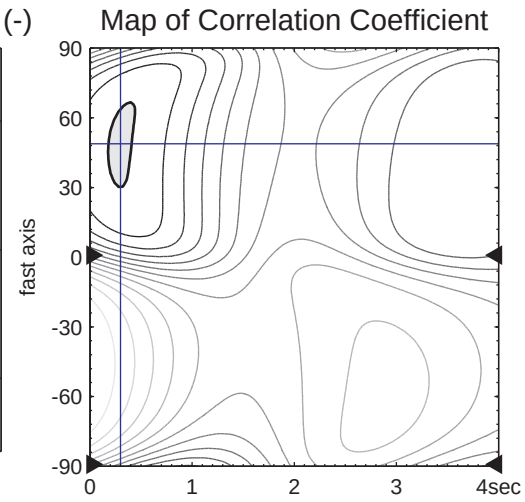
Quality: **fair** IsNull: **No** Phase: **SKS**

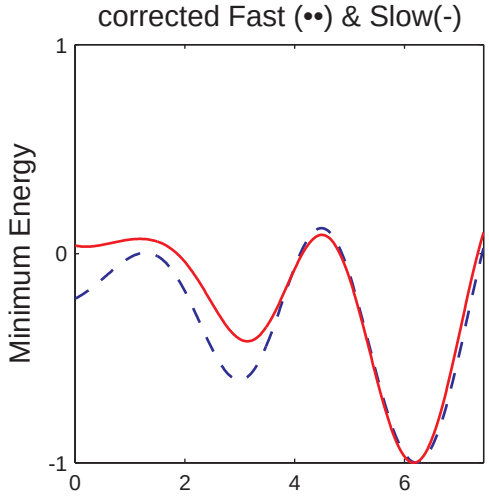


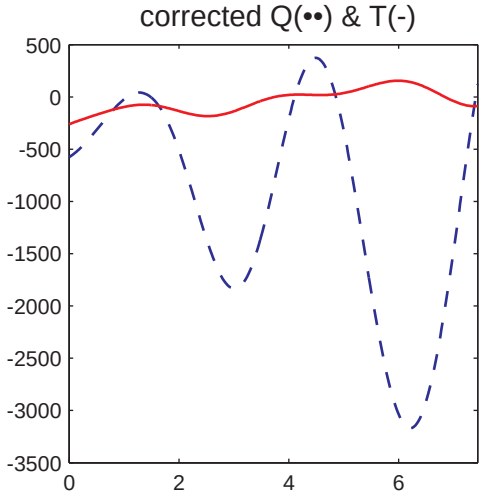


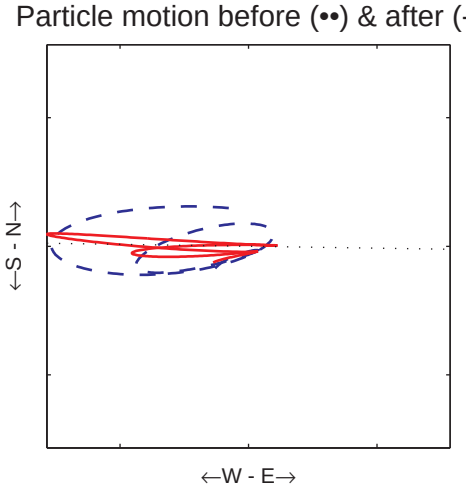


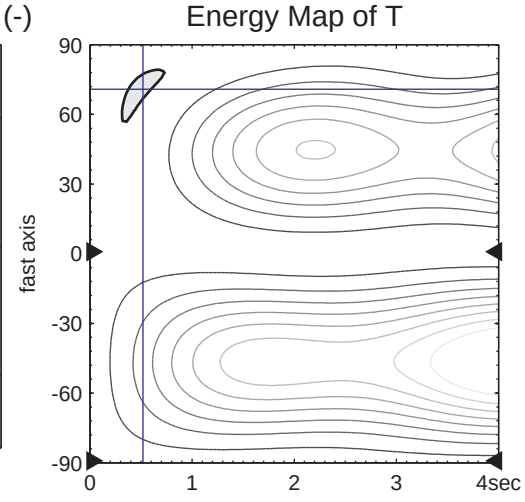


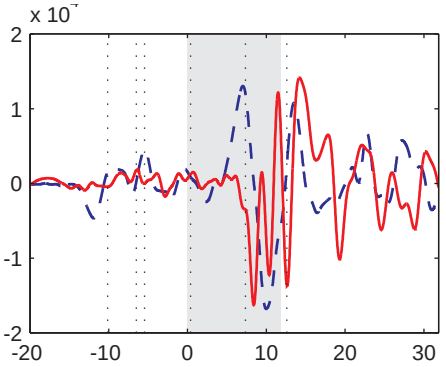








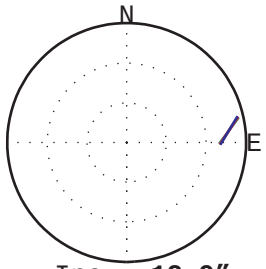




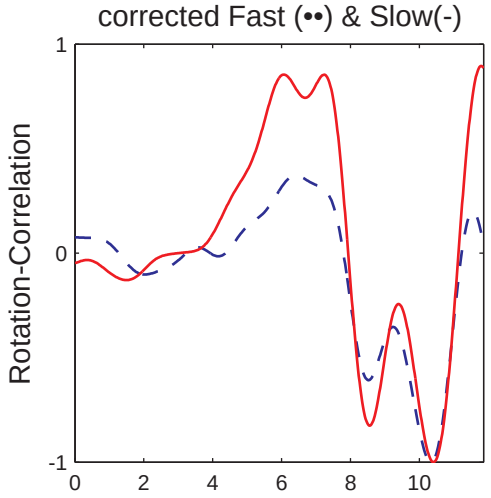
Event: **20-Aug-2007 (232) 13:46 6.13N 127.38E 8km Mw=6.5**
Station: **CDAG** Backazimuth: **83.4”** Distance: **88.40”**
init.Pol.: **259.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.0**

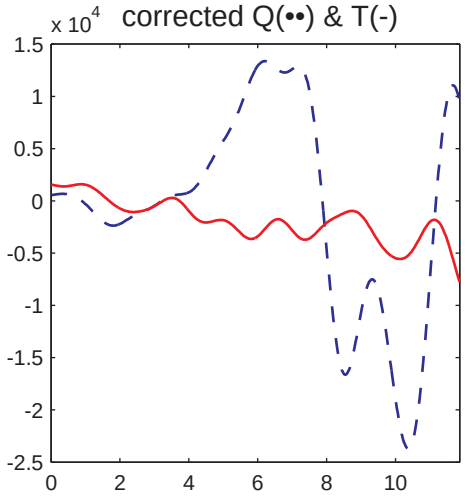
Rotation Correlation:	30<	36° <	44	0.9<1.0s<1.1
Minimum Energy:	27<	33° <	41	0.8<1.0s<1.2
Eigenvalue:	23<	31° <	39	0.9<1.0s<1.2

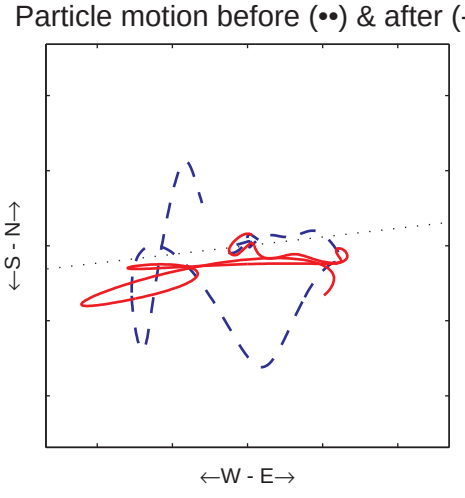
Quality: **good** IsNull: **No** Phase: **SKKS**

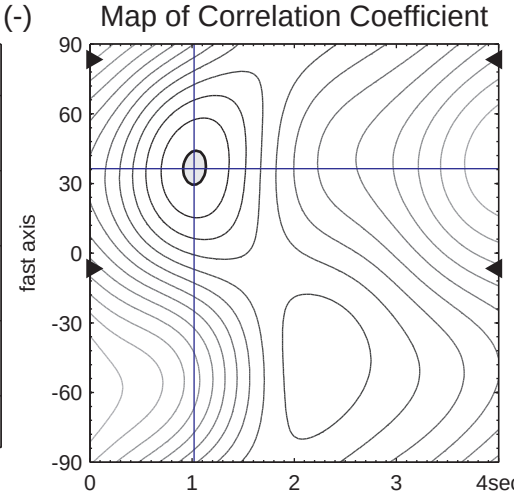


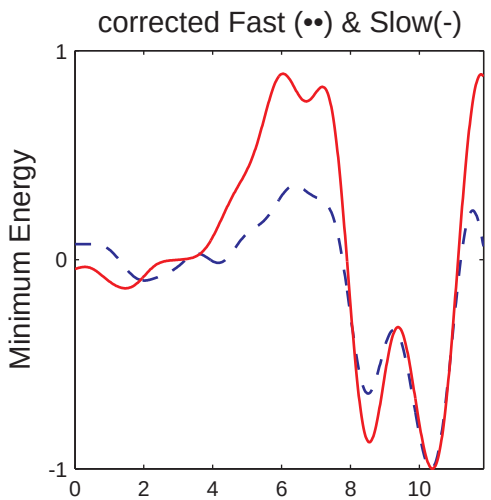
Inc = **12.9”**

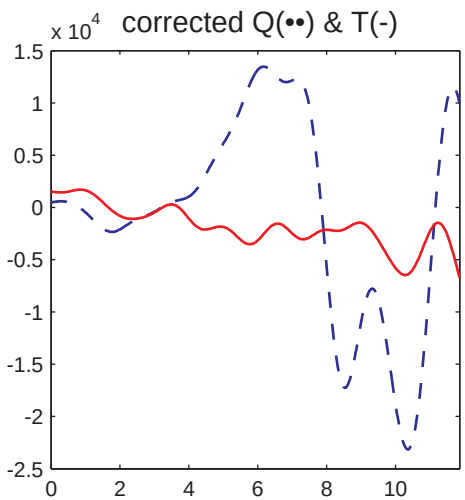


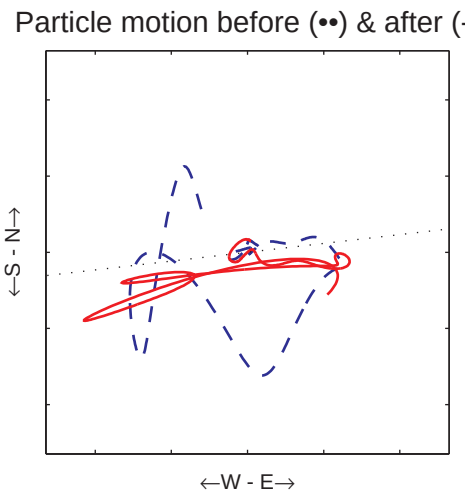


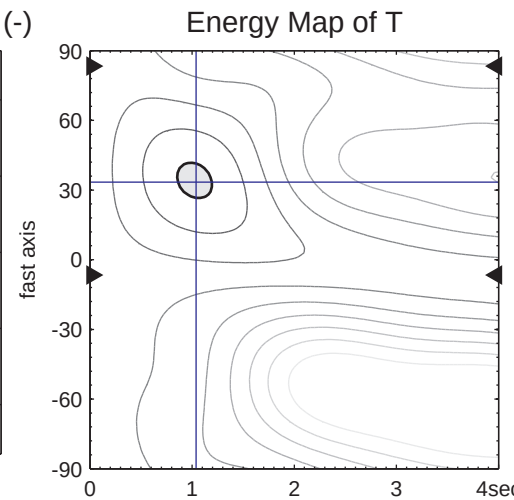


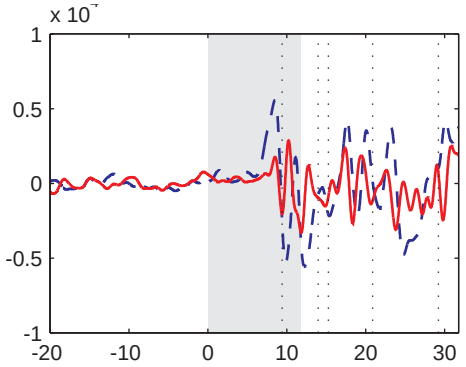








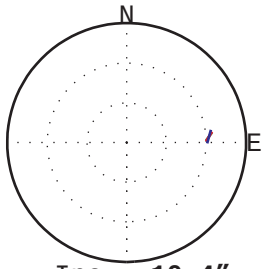




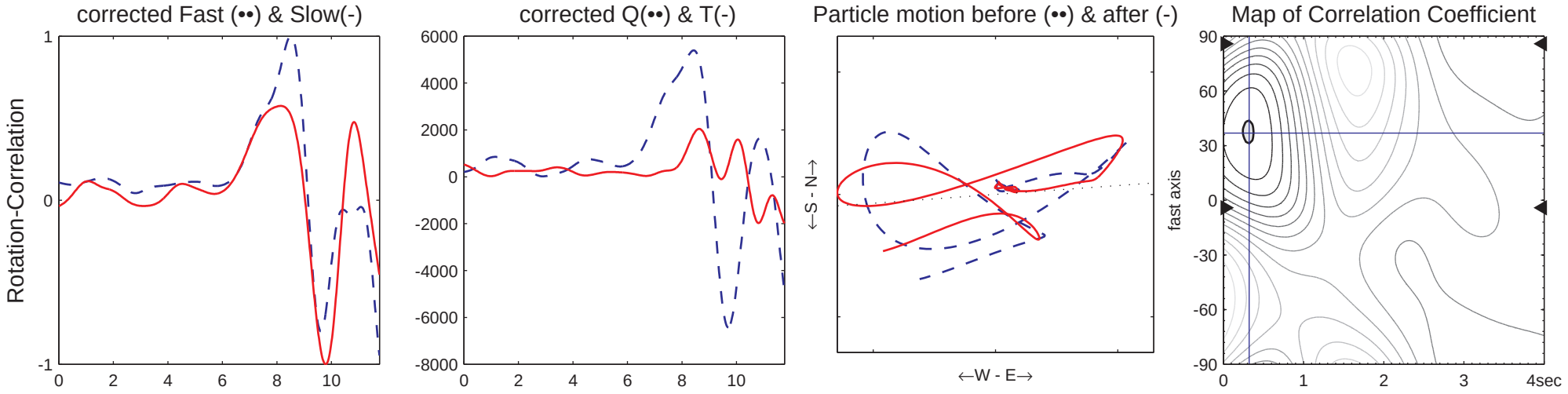
Event: **13-Sep-2007 (256) 09:48 3.79N 126.31E 10km Mw=6.3**
Station: **CDAG** Backazimuth: **85.8”** Distance: **89.07”**
init.Pol.: **257.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.4**

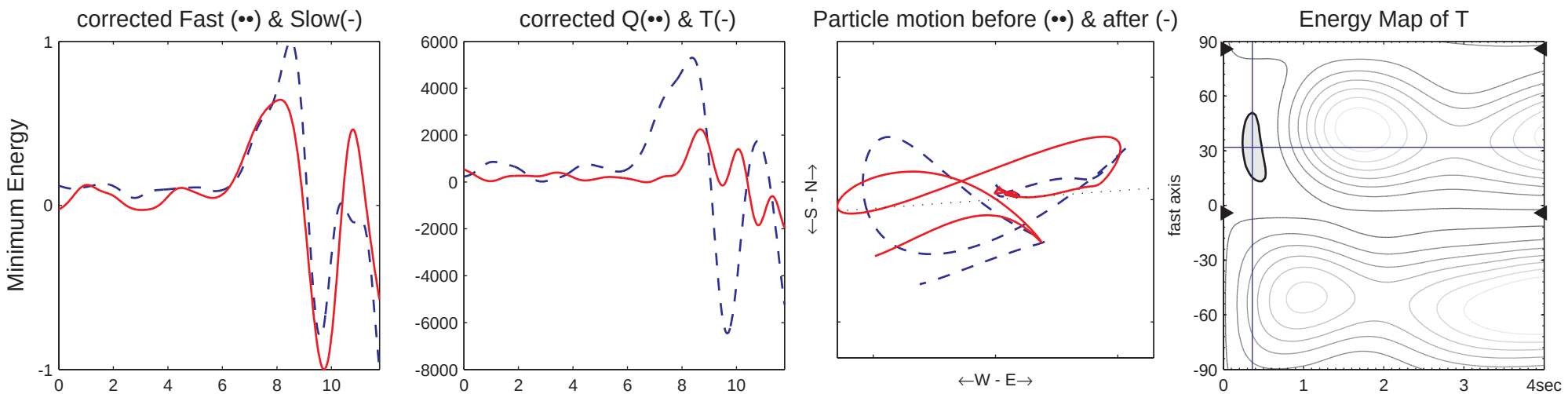
Rotation Correlation:	32<	37° <	44	0.2<0.3s<0.4
Minimum Energy:	13<	32° <	52	0.2<0.4s<0.5
Eigenvalue:	1<	16° <	37	0.3<0.4s<0.6

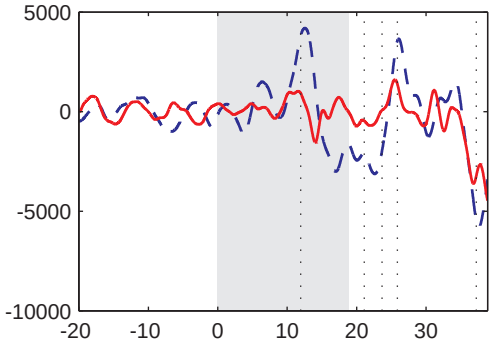
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



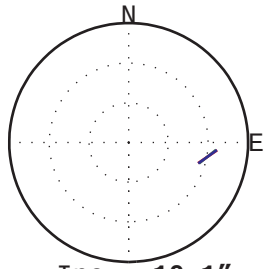




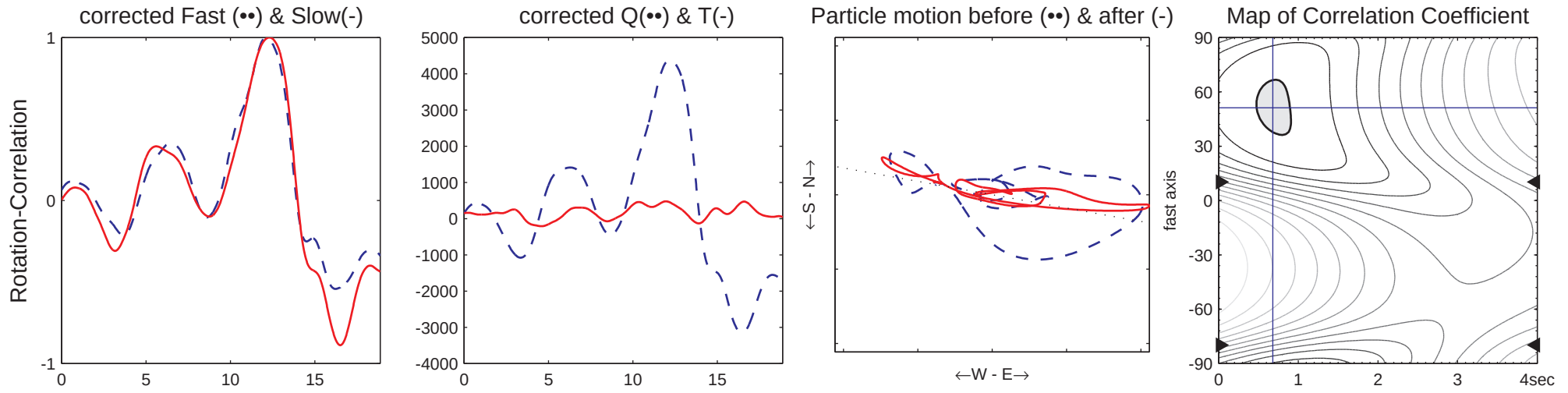
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **CDAG** Backazimuth: **100.2”** Distance: **90.70”**
init.Pol.: **279.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**12.9**

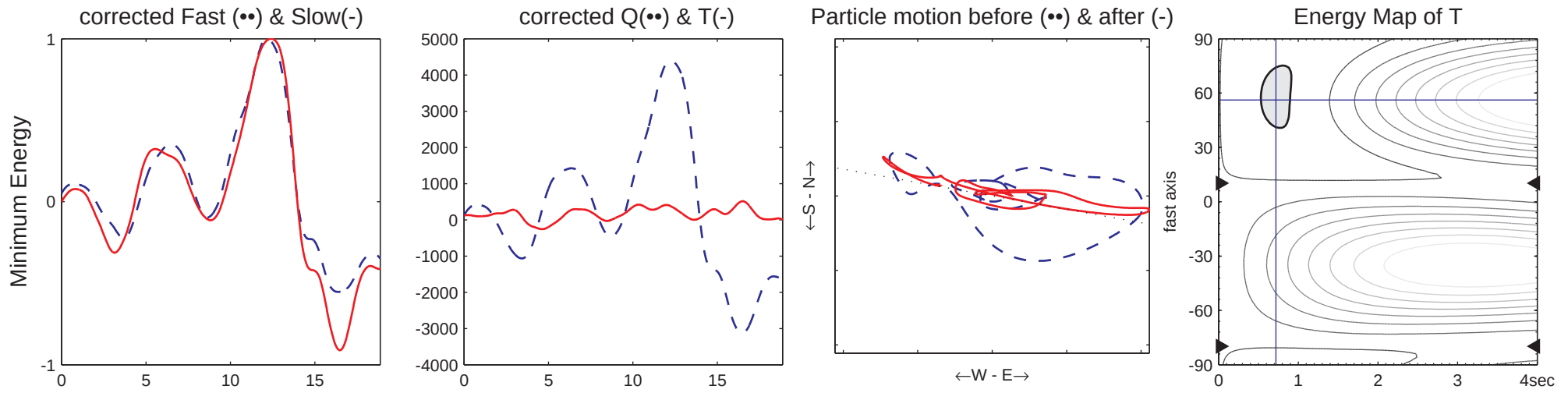
Rotation Correlation:	37<	51° <	67	0.5<0.7s<0.9
Minimum Energy:	41<	56° <	76	0.5<0.7s<0.9
Eigenvalue:	39<	54° <	70	0.6<0.7s<0.9

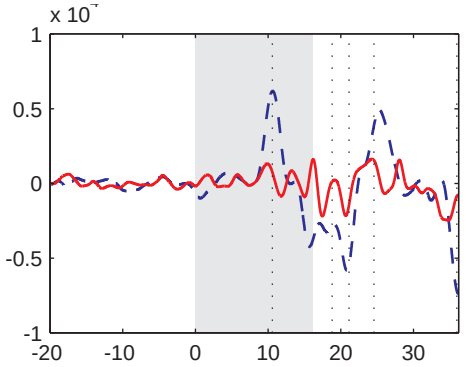
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



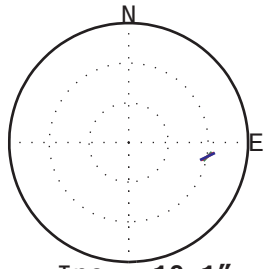




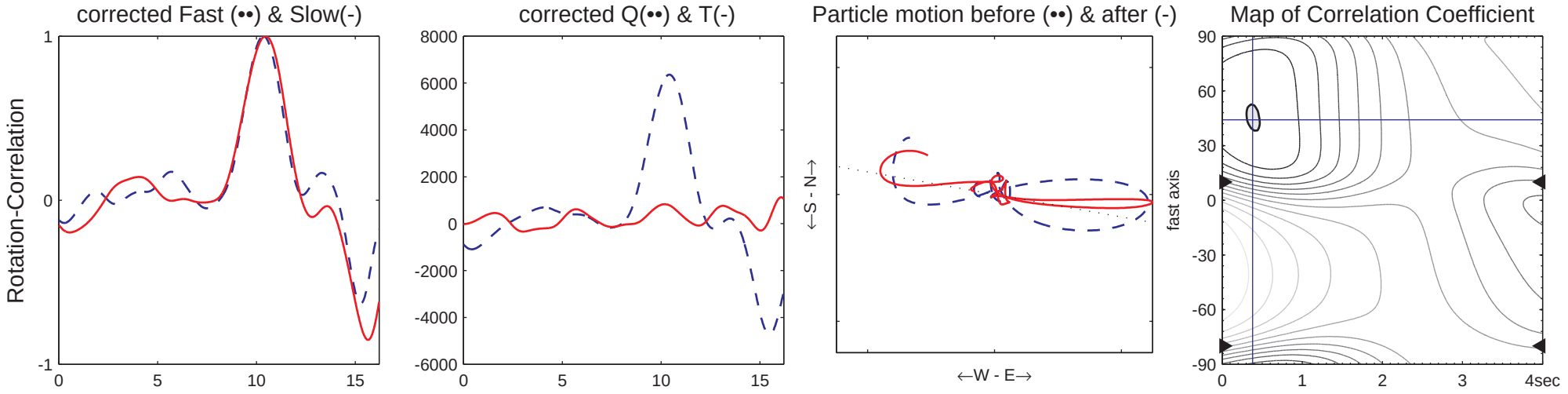
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **CDAG** Backazimuth: **100.1”** Distance: **90.73”**
init.Pol.: **280.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.4**

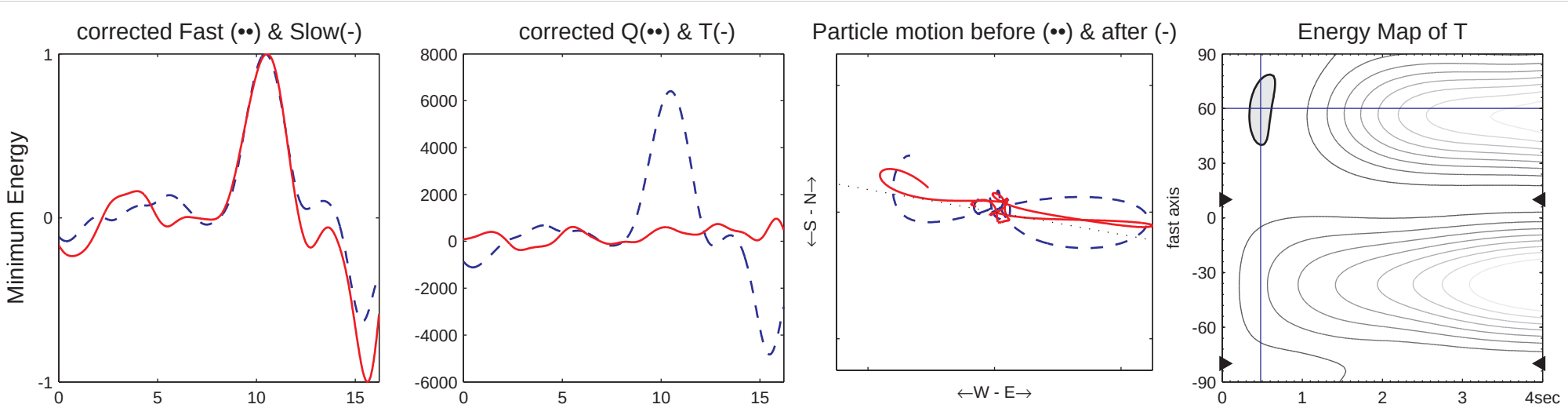
Rotation Correlation:	38<	44° <	53	0.3<0.4s<0.5
Minimum Energy:	39<	60° <	78	0.3<0.5s<0.7
Eigenvalue:	46<	64° <	78	0.4<0.5s<0.6

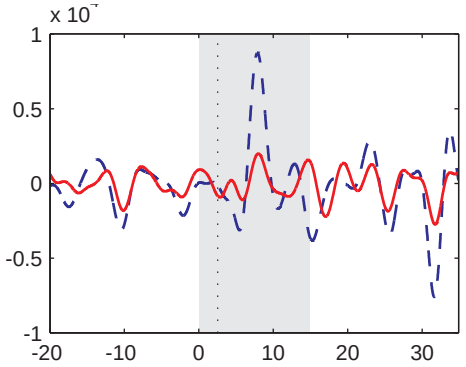
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



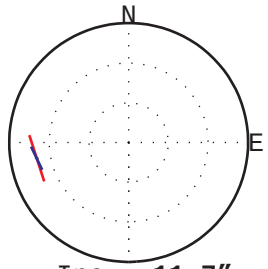




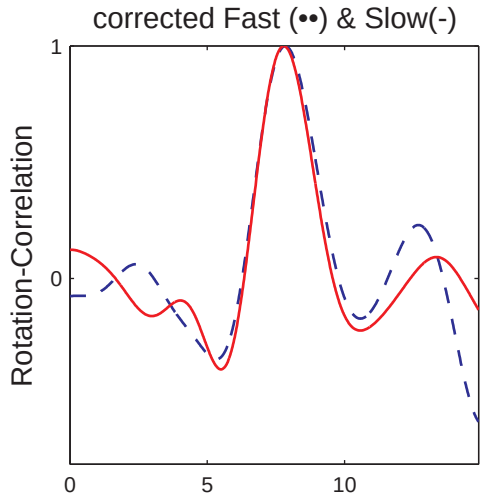
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **CDAG** Backazimuth: **260.3”** Distance: **115.27”**
init.Pol.: **72.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

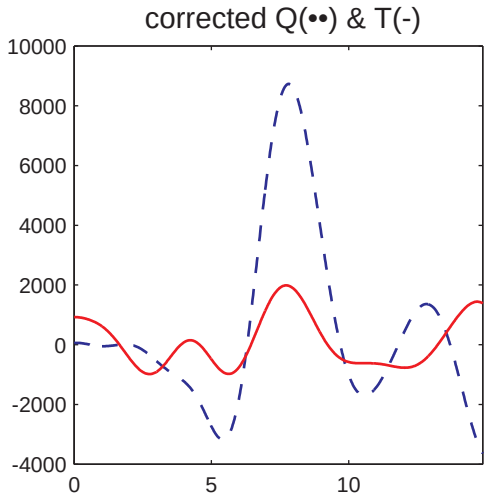
Rotation Correlation:	-80<	-66° <	-55 0.0<0.1s<0.3
Minimum Energy:	-29<	-18° <	-13 0.5<1.5s<2.8
Eigenvalue:	-Inf<	-26° <	Inf 0.0<0.8s<Inf

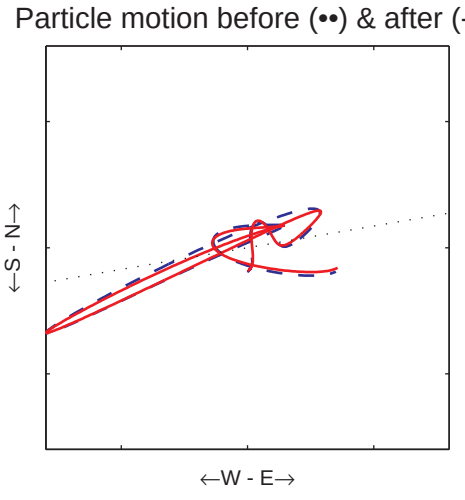
Quality: **good** IsNull: **Yes** Phase: **SKKS**

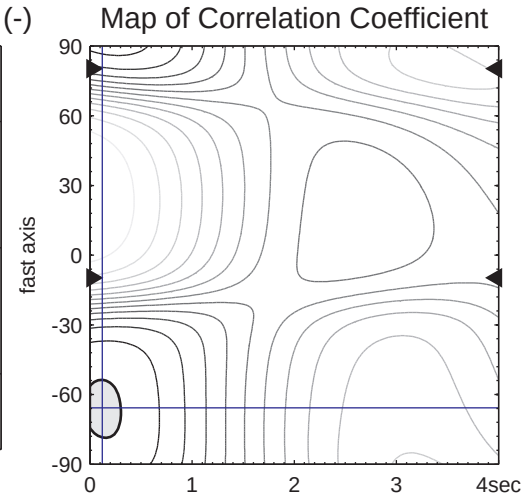


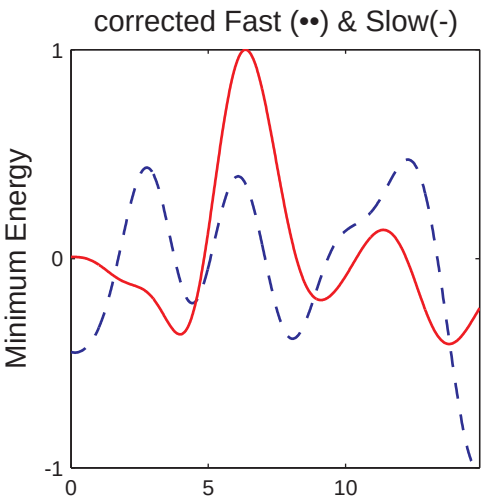
Inc = **11.7”**

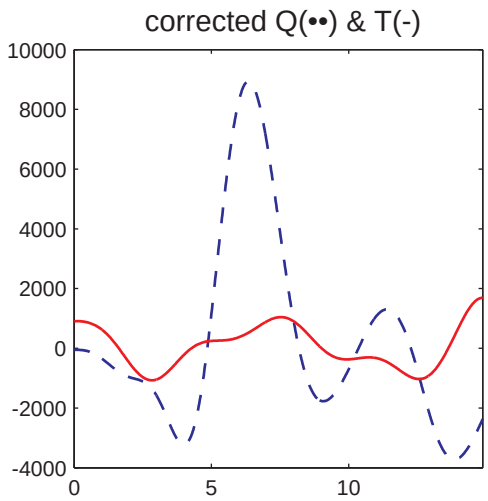


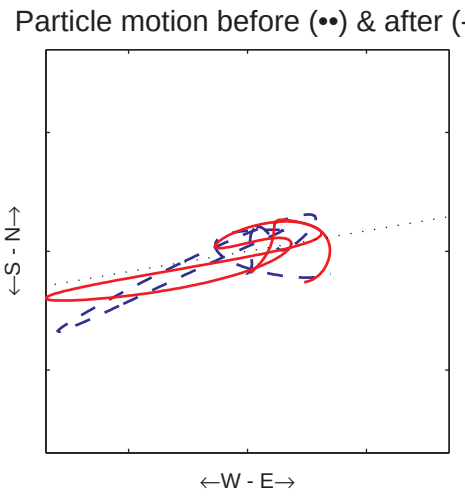


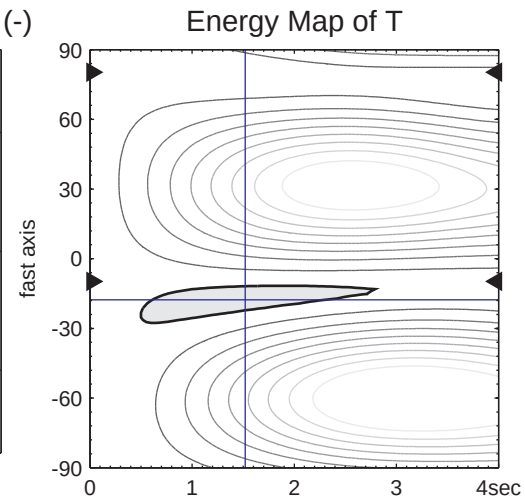


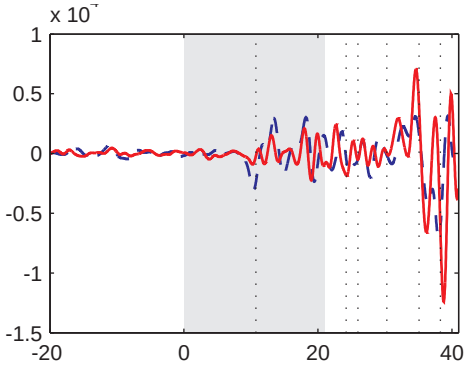








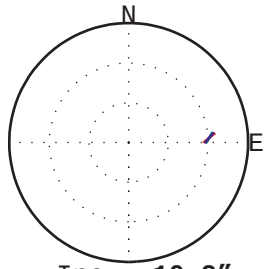




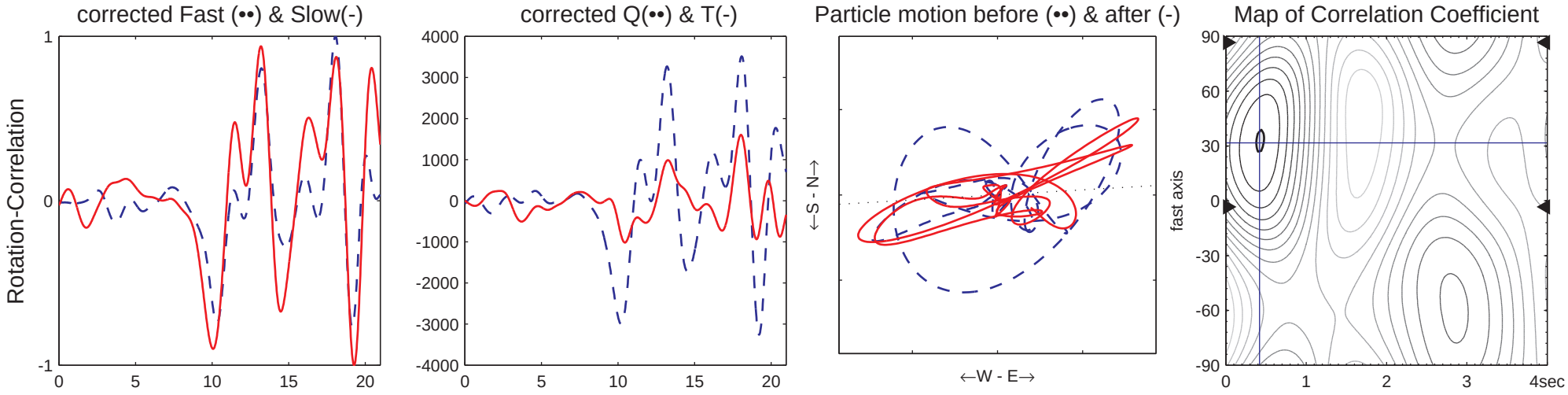
Event: **20-Jan-2008 (020) 20:26 2.35N 126.82E 35km Mw=6.1**
Station: **CDAG** Backazimuth: **86.6”** Distance: **90.38”**
init.Pol.: **256.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

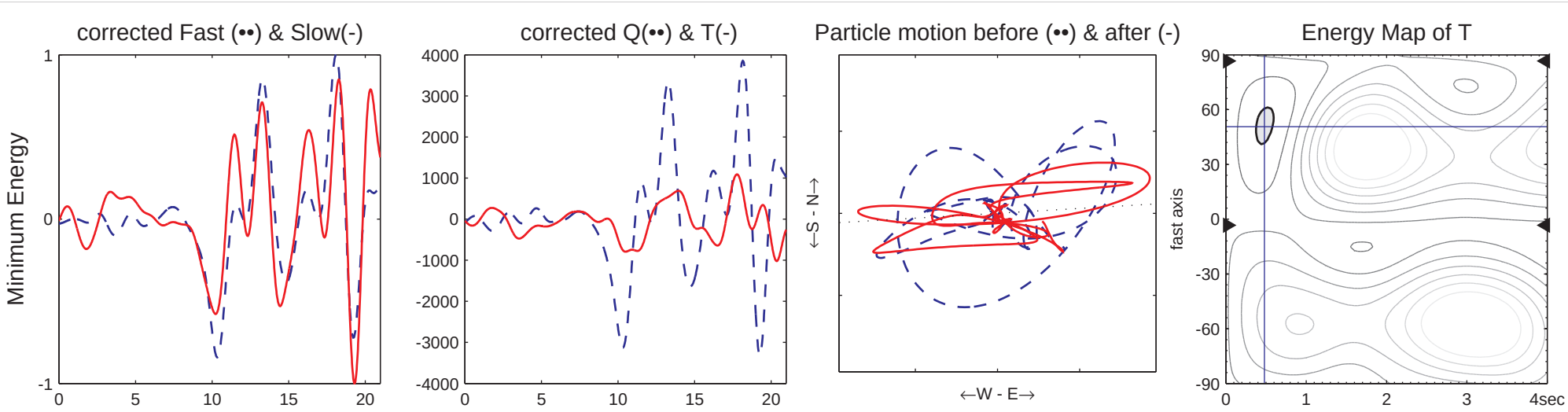
Rotation Correlation:	27<	32° <	39	0.4<0.4s<0.5
Minimum Energy:	41<	51° <	62	0.4<0.5s<0.6
Eigenvalue:	23<	39° <	52	0.4<0.4s<0.6

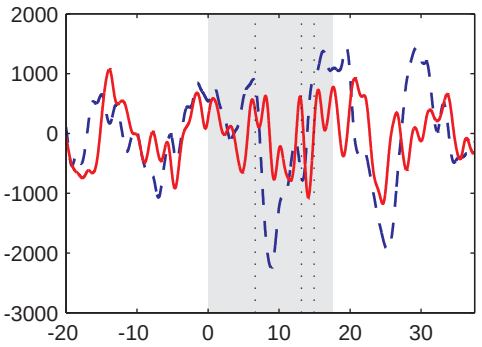
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.2”**



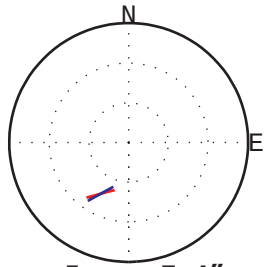


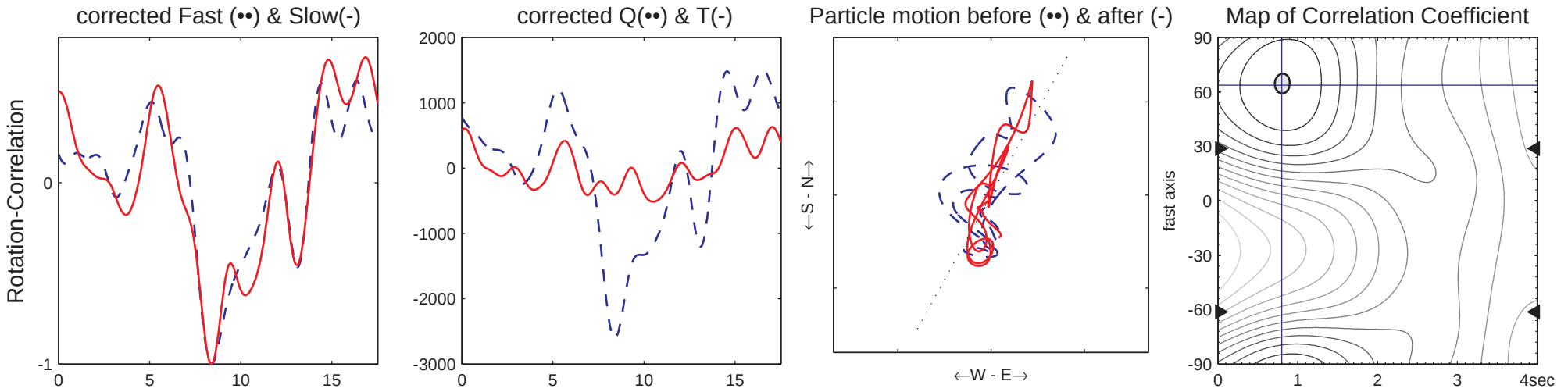


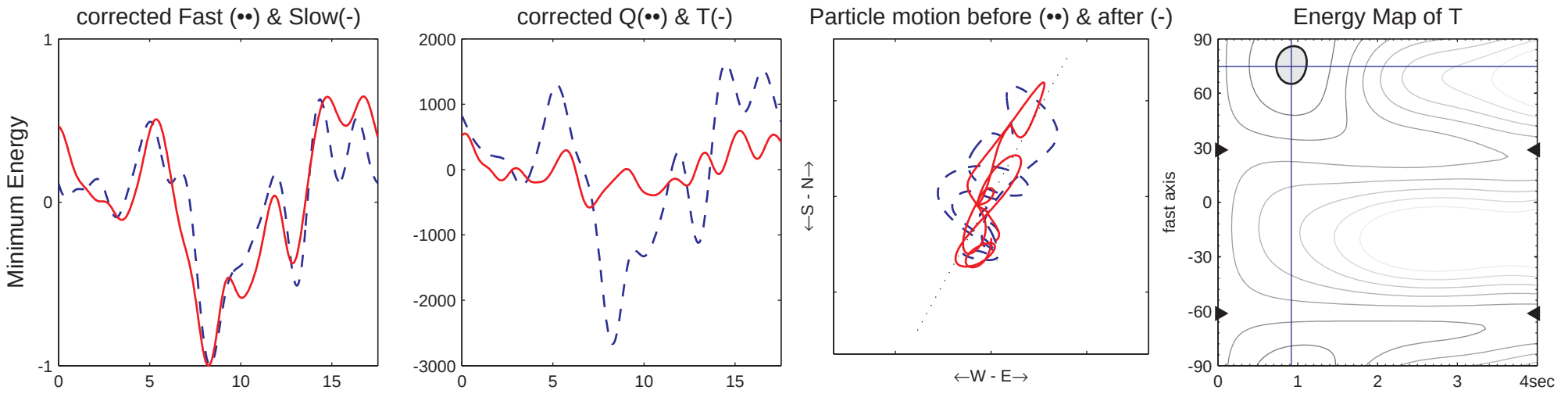
Event: **23-Feb-2008 (054) 15:57 -57.34N -23.43E 14km** Mw=**6.8**
Station: **CDAG** Backazimuth: **208.8”** Distance: **108.38”**
init.Pol.: **15.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

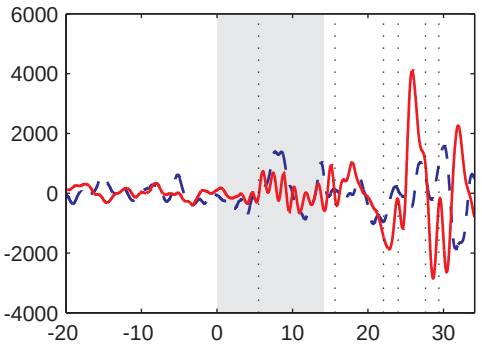
Rotation Correlation:	59<	64° <	70	0.7<0.8s<0.9
Minimum Energy:	66<	75° <	86	0.7<0.9s<1.1
Eigenvalue:	54<	61° <	70	0.8<0.9s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





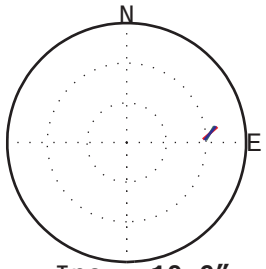




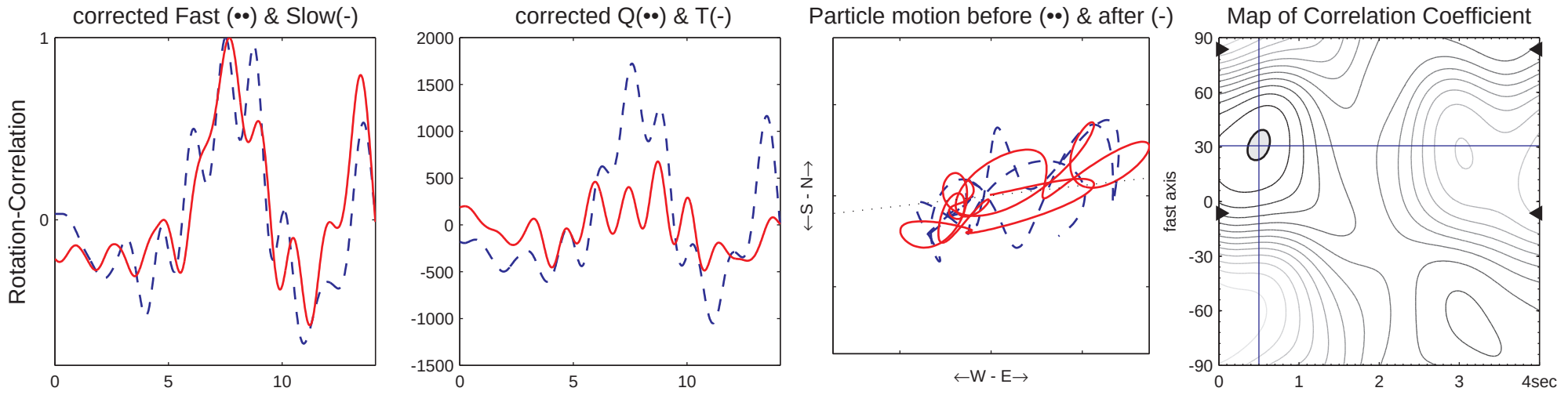
Event: **20-Mar-2008 (080) 14:10 6.19N 126.93E 45km Mw=6.1**
Station: **CDAG** Backazimuth: **83.6”** Distance: **88.02”**
init.Pol.: **251.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

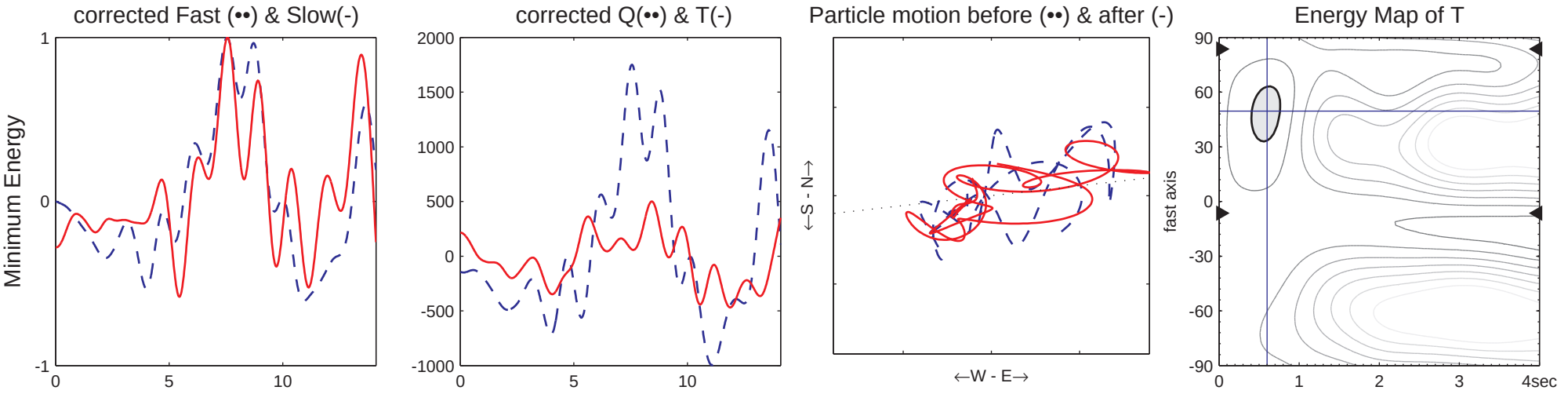
Rotation Correlation:	23<	31° <	40	0.4<0.5s<0.6
Minimum Energy:	33<	50° <	64	0.4<0.6s<0.8
Eigenvalue:	25<	40° <	54	0.4<0.6s<0.7

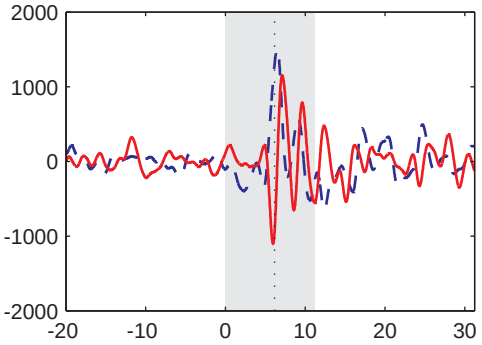
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.6”**



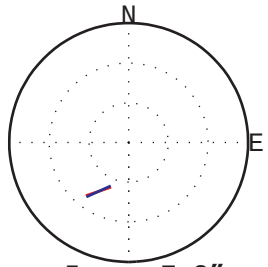




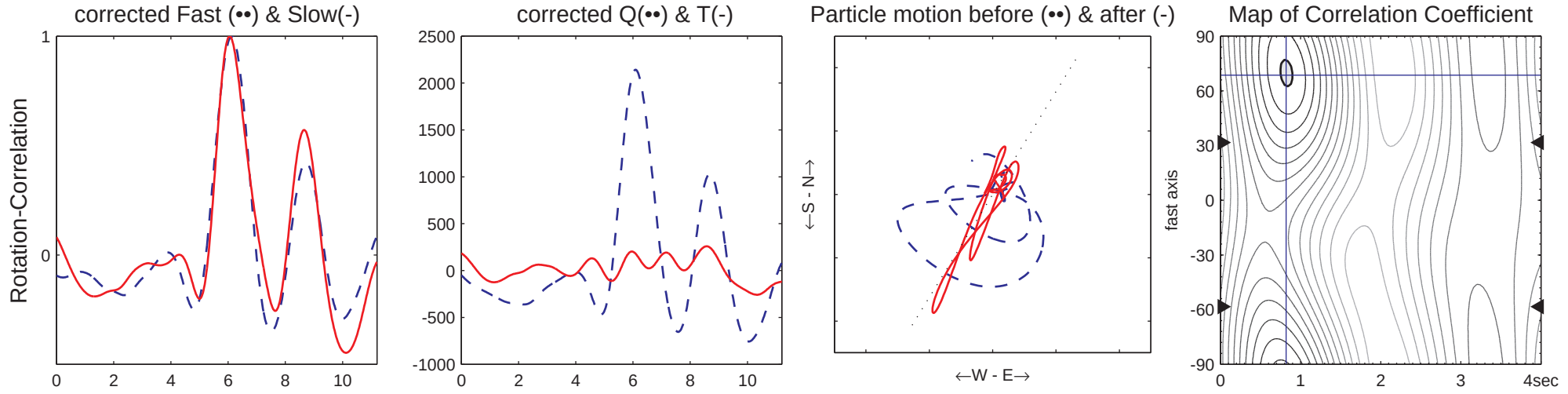
Event: **14-Apr-2008 (105) 09:45 -56.02N -28.04E 140km** Mw=**6.0**
Station: **CDAG** Backazimuth: **211.6”** Distance: **109.24”**
init.Pol.: **23.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.3**

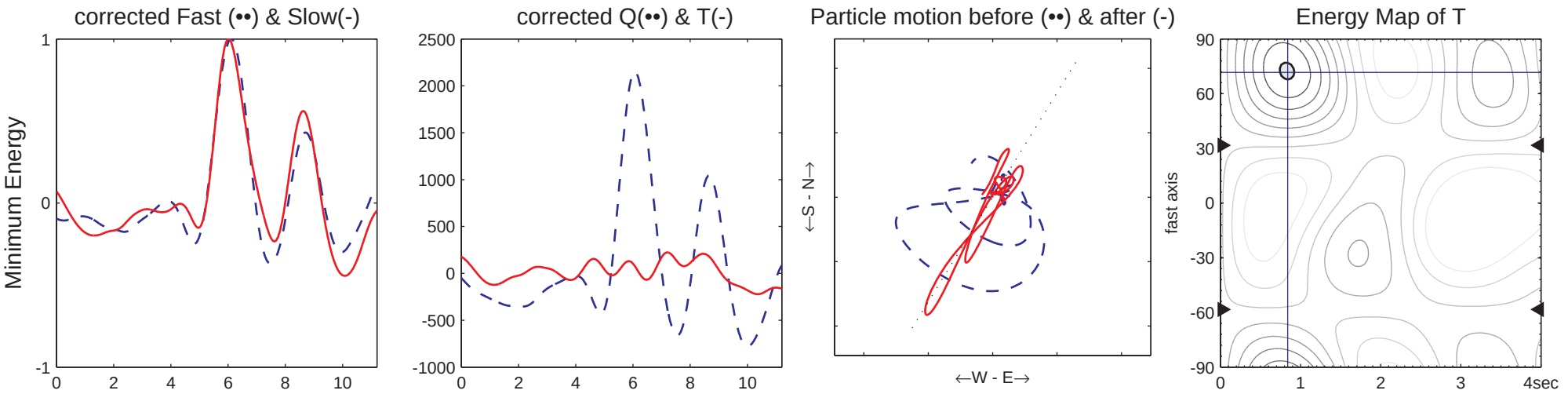
Rotation Correlation:	63<	69° <	77	0.8<0.8s<0.9
Minimum Energy:	68<	72° <	78	0.8<0.8s<0.9
Eigenvalue:	58<	66° <	74	0.8<0.8s<0.9

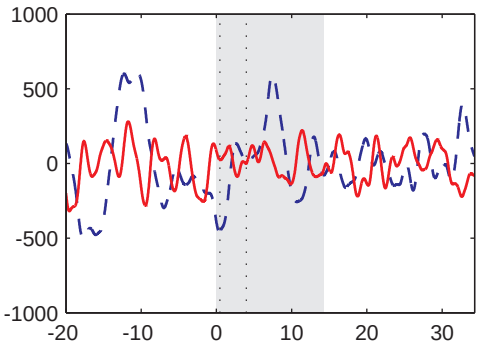
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



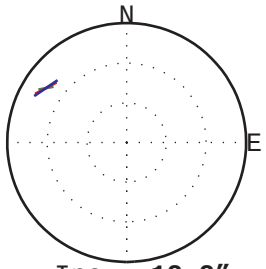




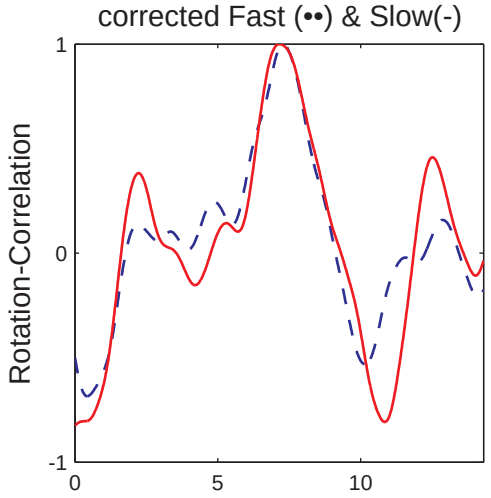
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **CDAG** Backazimuth: **303.9”** Distance: **106.24”**
init.Pol.: **120.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

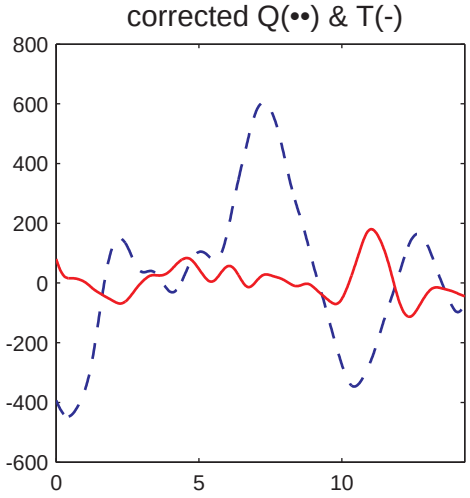
Rotation Correlation:	71<	80° <	-90	0.3<0.5s<0.6
Minimum Energy:	52<	62° <	78	0.5<0.8s<1.1
Eigenvalue:	43<	56° <	74	0.6<0.9s<1.3

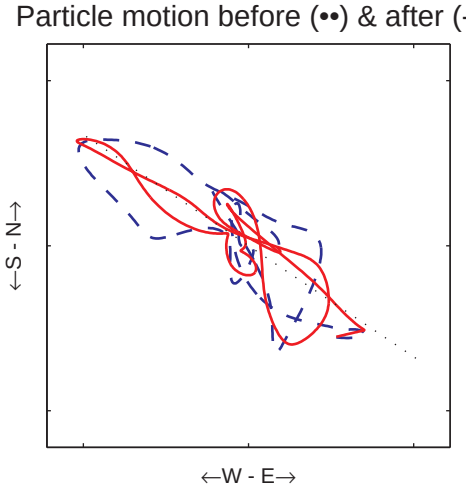
Quality: **fair** IsNull: **No** Phase: **SKKS**

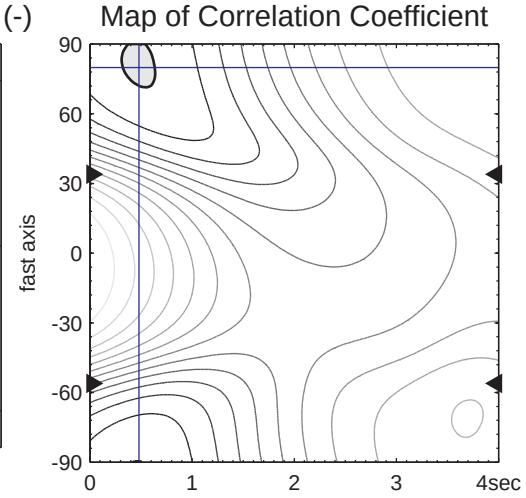


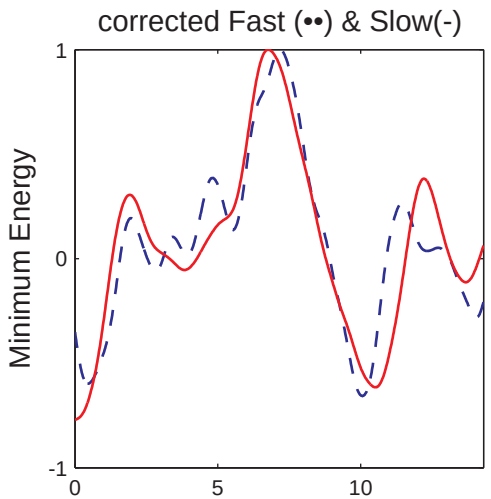
Inc = **12.2”**

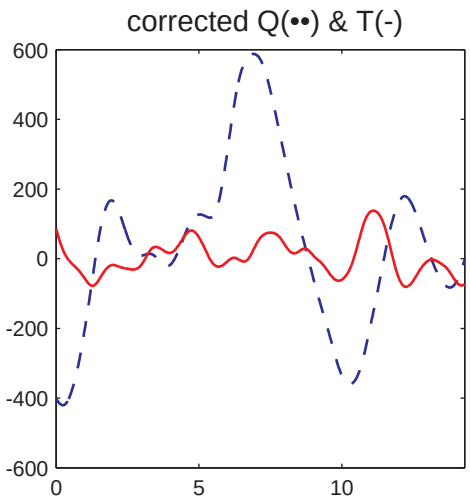


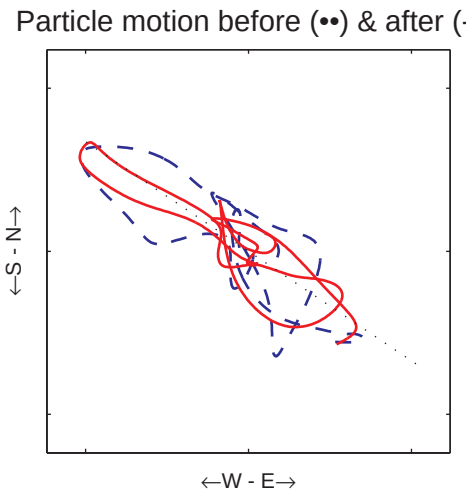


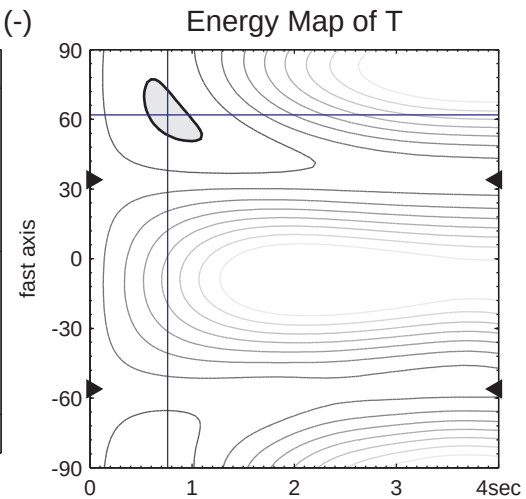


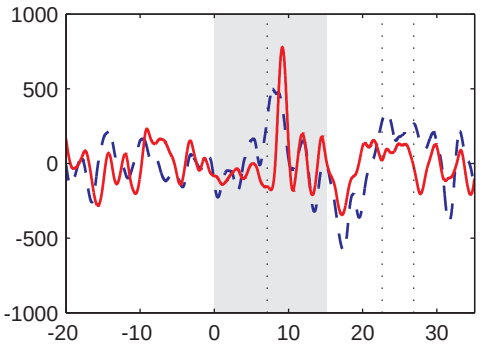








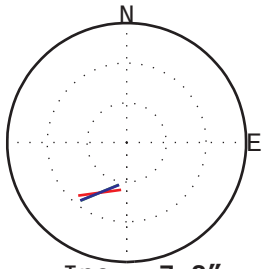




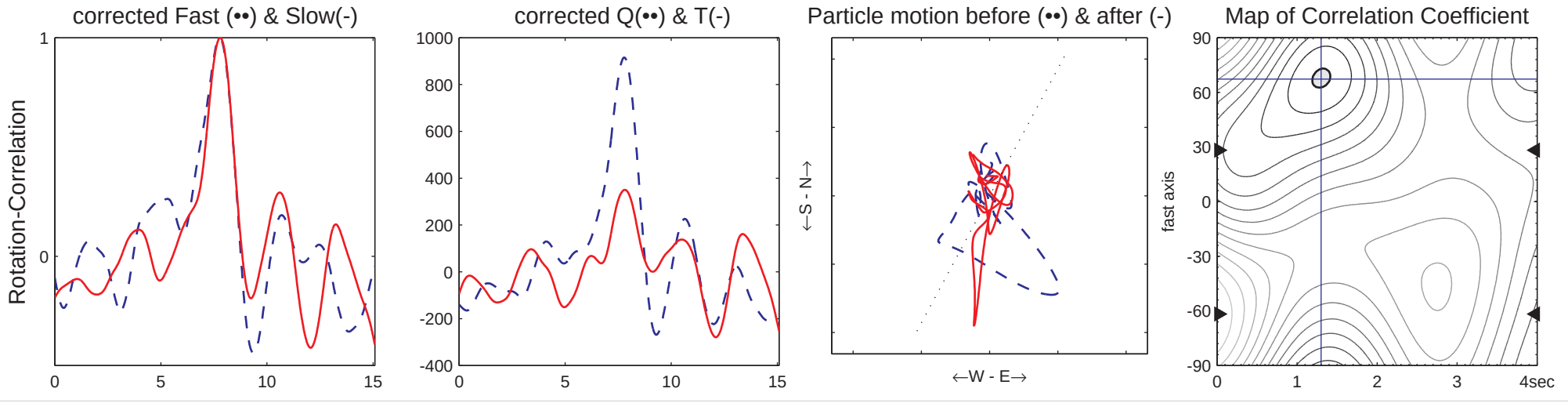
Event: **28-Apr-2008 (119) 15:57 -58.74N -24.71E 35km Mw=6.1**
Station: **CDAG** Backazimuth: **208.3”** Distance: **109.86”**
init.Pol.: **7.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

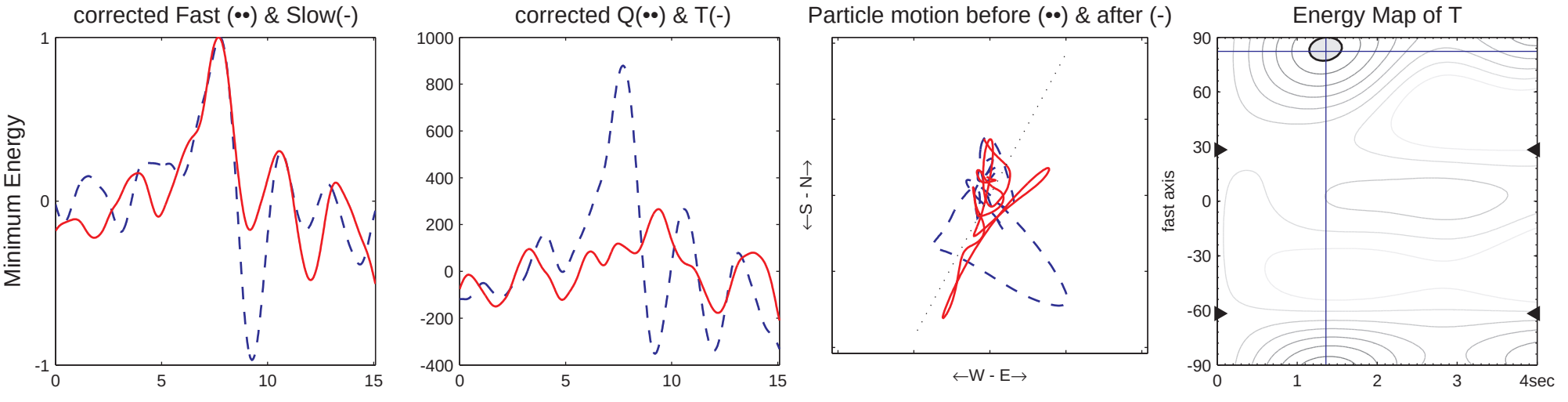
Rotation Correlation:	63<	67° <	73	1.2<1.3s<1.4
Minimum Energy:	78<	82° <	-92	1.2<1.4s<1.6
Eigenvalue:	62<	68° <	78	1.1<1.3s<1.5

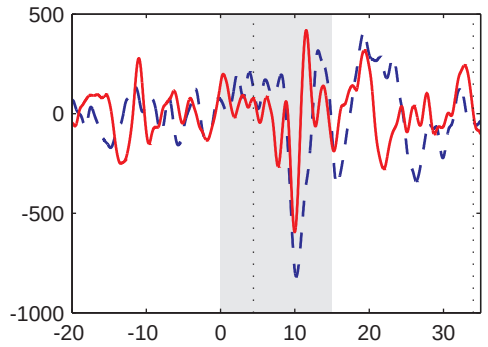
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



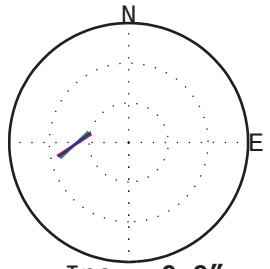




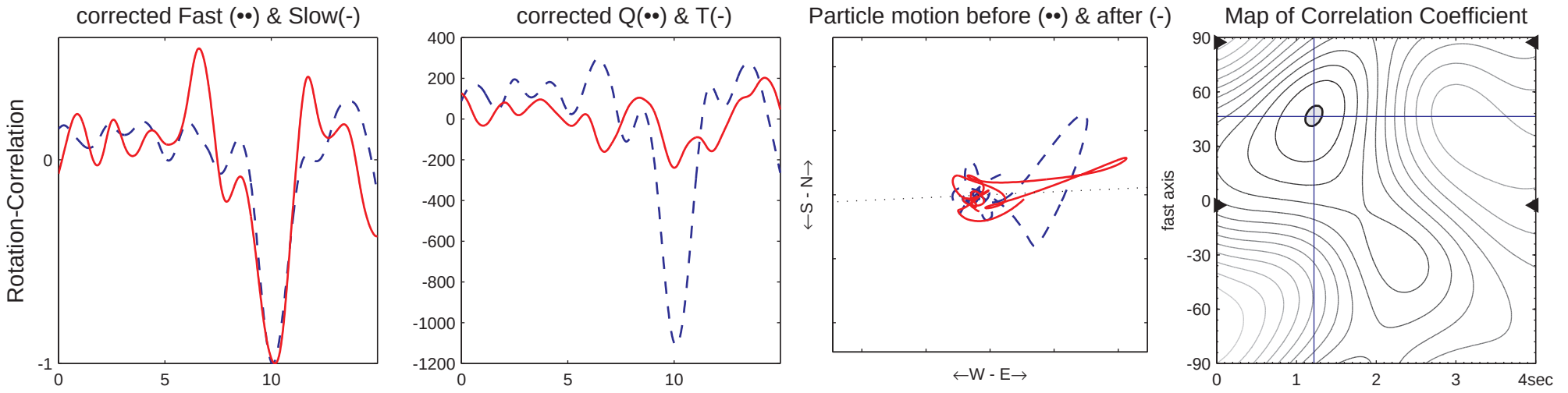
Event: **08-Jul-2008 (190) 09:13 -15.99N -71.75E 123km Mw=6.2**
Station: **CDAG** Backazimuth: **267.4”** Distance: **112.41”**
init.Pol.: **81.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.7**

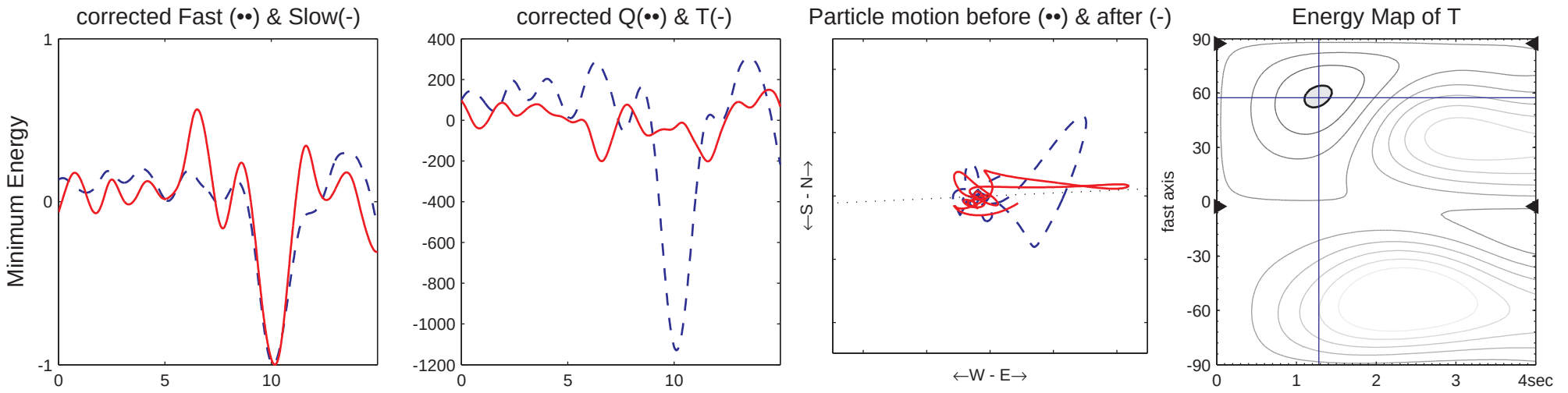
Rotation Correlation:	41<	46° <	53	1.1<1.2s<1.3
Minimum Energy:	52<	57° <	64	1.1<1.3s<1.4
Eigenvalue:	46<	53° <	62	1.0<1.2s<1.4

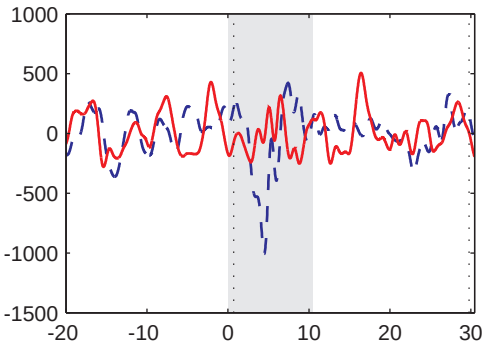
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.9”**



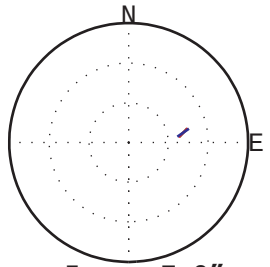


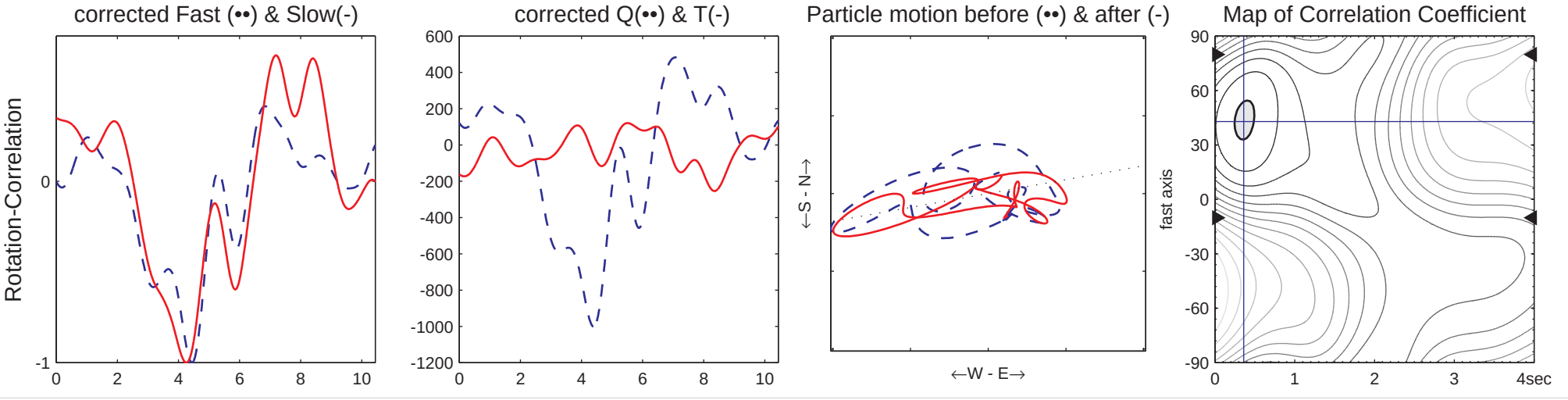


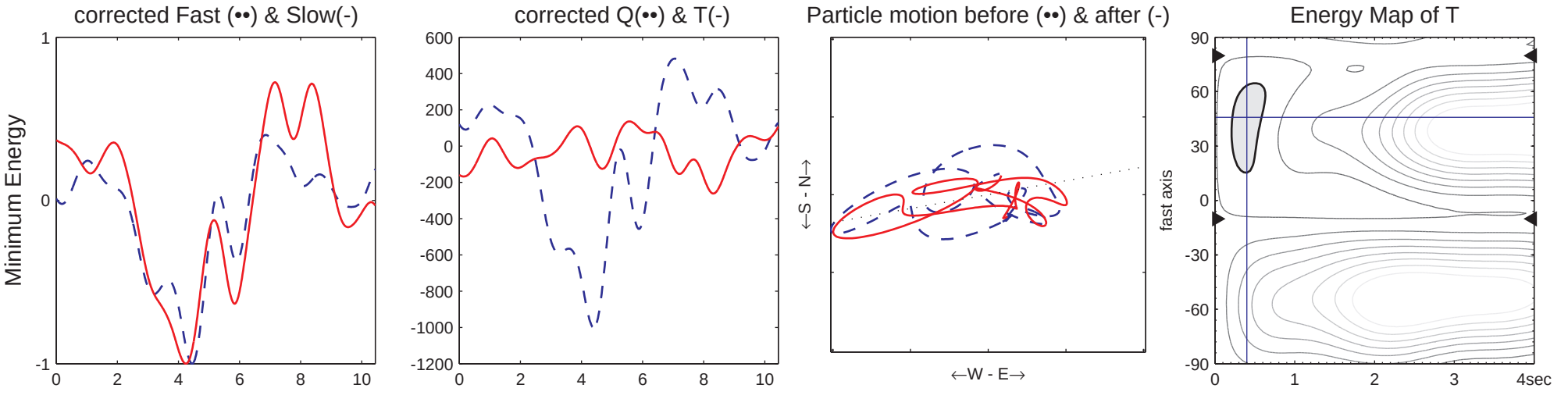
Event: **30-Aug-2008 (243) 06:54 -6.15N 147.26E 75km Mw=6.4**
Station: **CDAG** Backazimuth: **79.8”** Distance: **111.48”**
init.Pol.: **267.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

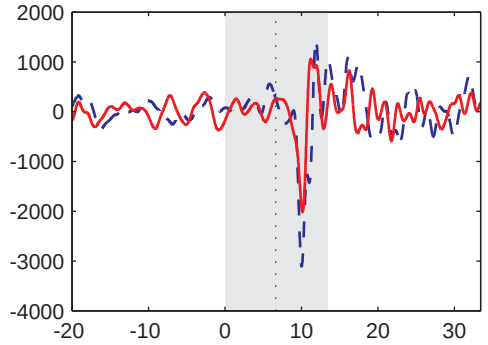
Rotation Correlation:	33<	43° <	55	0.2<0.4s<0.5
Minimum Energy:	15<	46° <	64	0.2<0.4s<0.6
Eigenvalue:	29<	56° <	72	0.2<0.4s<0.6

Quality: **good** IsNull: **No** Phase: **SKS**





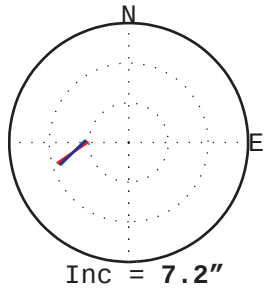


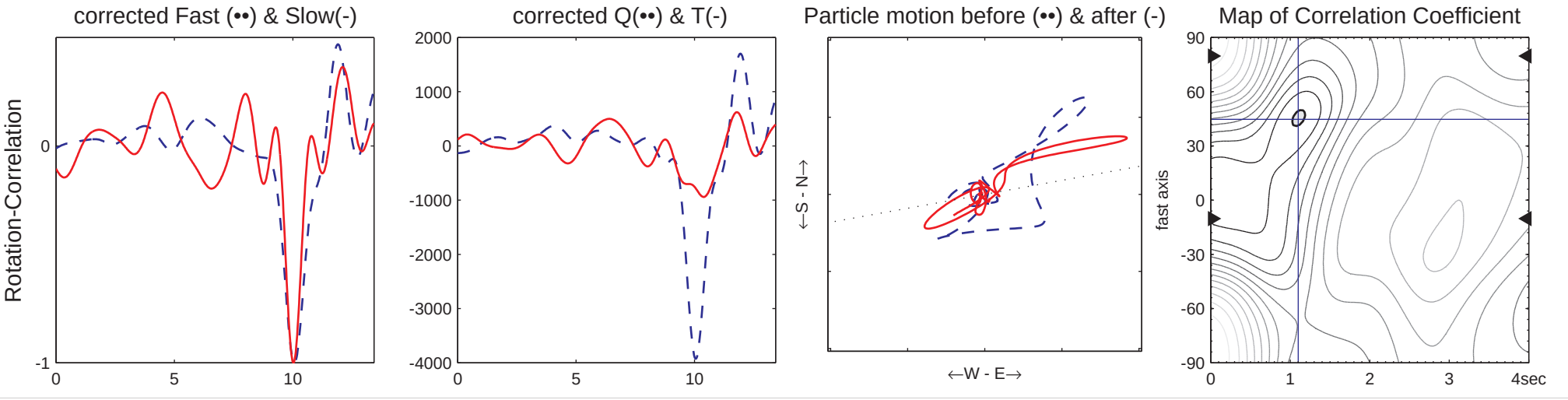


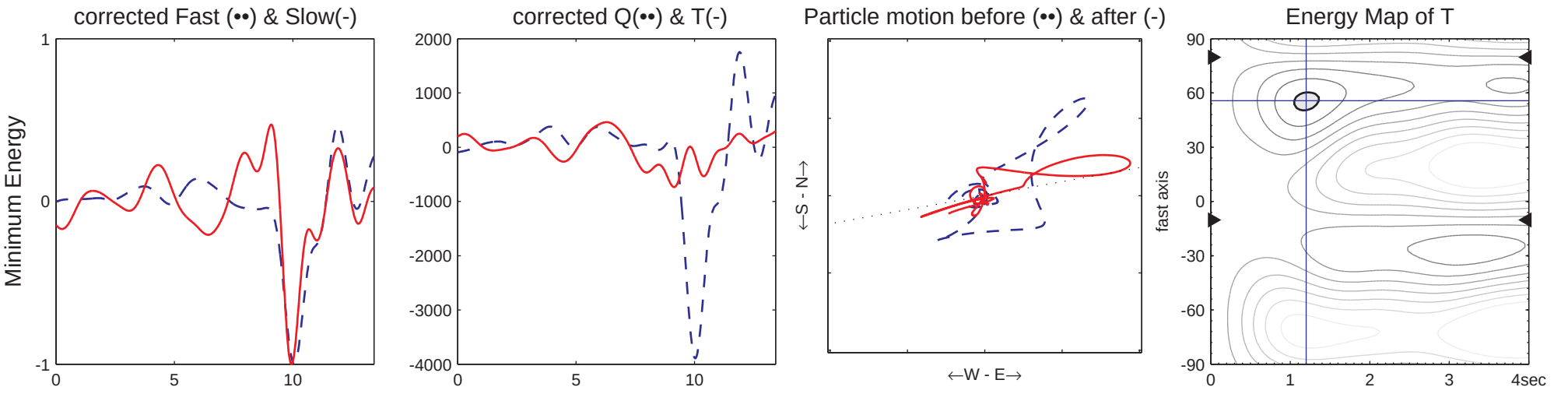
Event: **12-Oct-2008 (286) 20:55 -20.12N -64.97E 352km** Mw=**6.2**
Station: **CDAG** Backazimuth: **259.7”** Distance: **109.68”**
init.Pol.: **65.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.0**

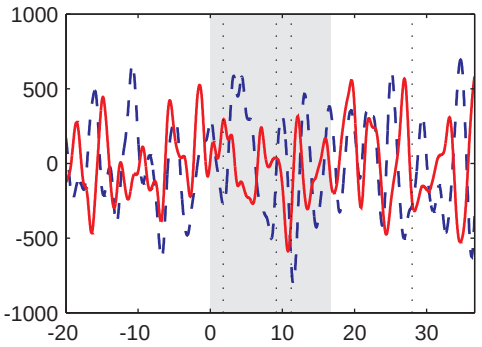
Rotation Correlation:	41<	45° <	50	1.0<1.1s<1.2
Minimum Energy:	50<	56° <	60	1.0<1.2s<1.4
Eigenvalue:	41<	48° <	52	1.0<1.2s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





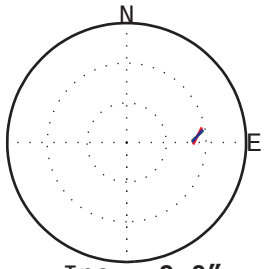


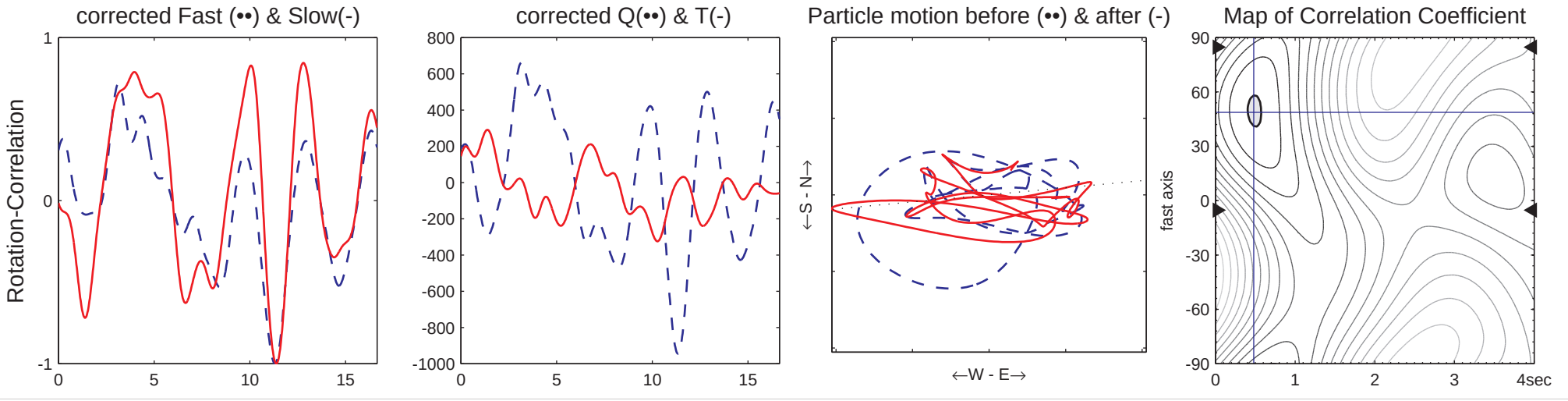


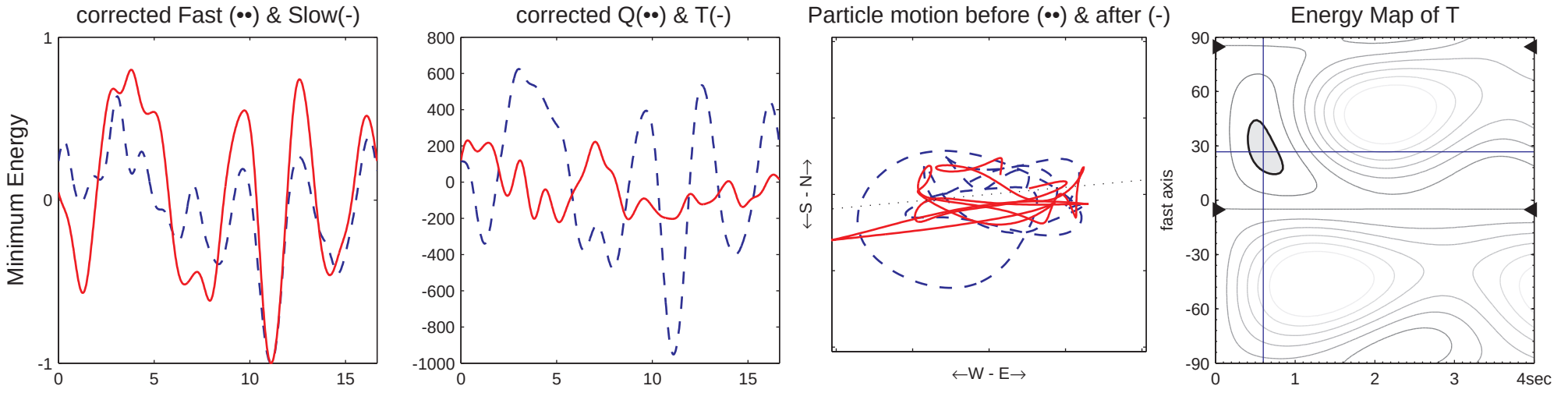
Event: **06-Jan-2009 (006) 22:48 -0.66N 133.43E 16km Mw=6.0**
Station: **CDAG** Backazimuth: **84.7”** Distance: **97.39”**
init.Pol.: **271.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

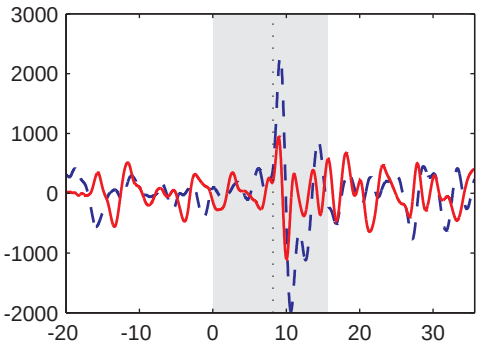
Rotation Correlation:	41<	49° <	58	0.4<0.5s<0.6
Minimum Energy:	15<	27° <	43	0.4<0.6s<0.8
Eigenvalue:	13<	41° <	78	0.4<0.5s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





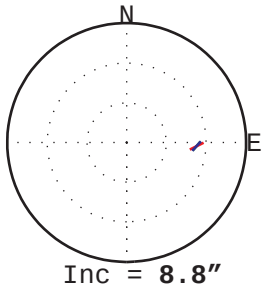


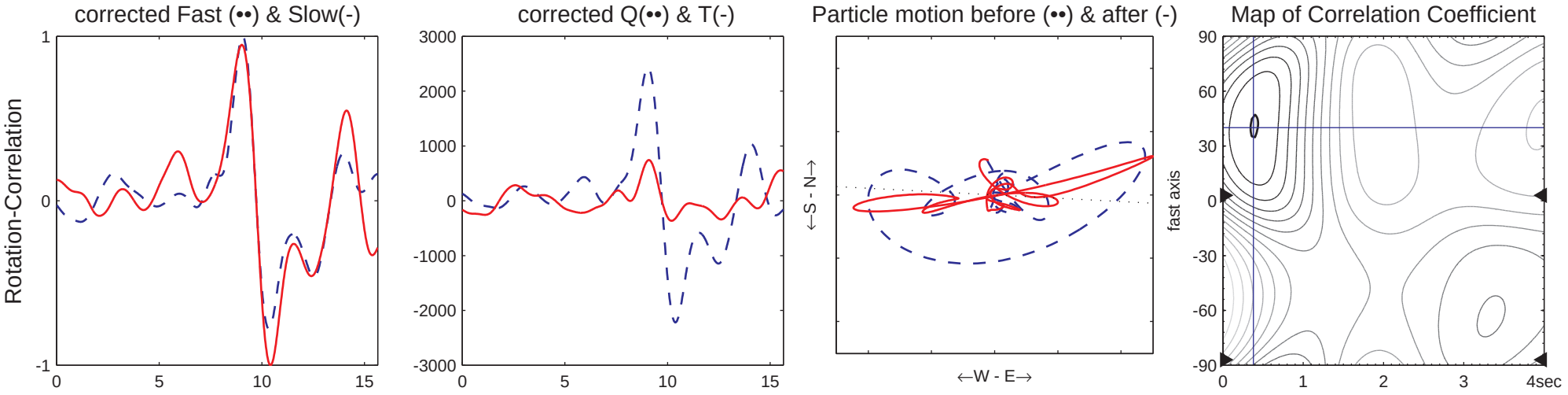


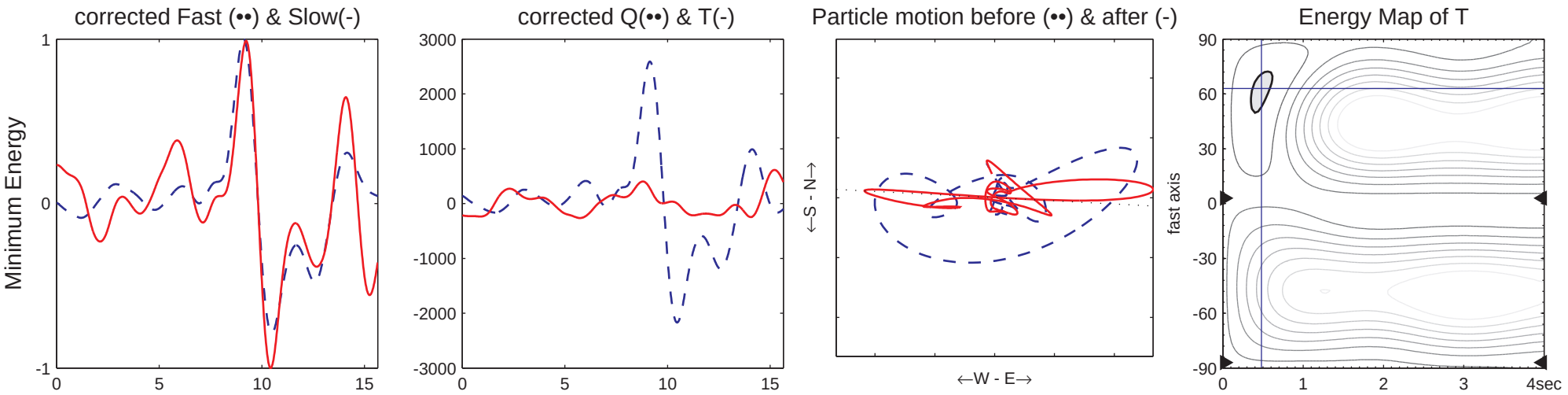
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **CDAG** Backazimuth: **93.0”** Distance: **97.87”**
init.Pol.: **263.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.0**

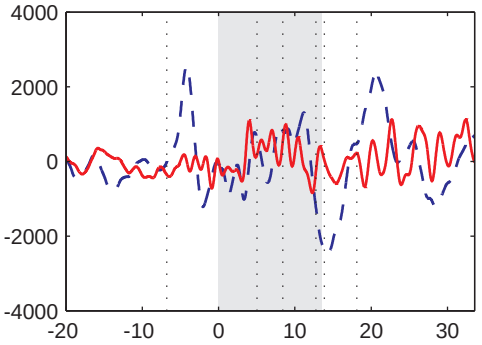
Rotation Correlation:	35<	40° <	47	0.4<0.4s<0.4
Minimum Energy:	50<	63° <	72	0.4<0.5s<0.6
Eigenvalue:	23<	43° <	60	0.3<0.4s<0.5

Quality: **fair** IsNull: **No** Phase: **SKS**





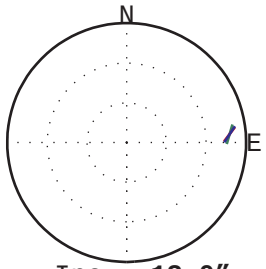




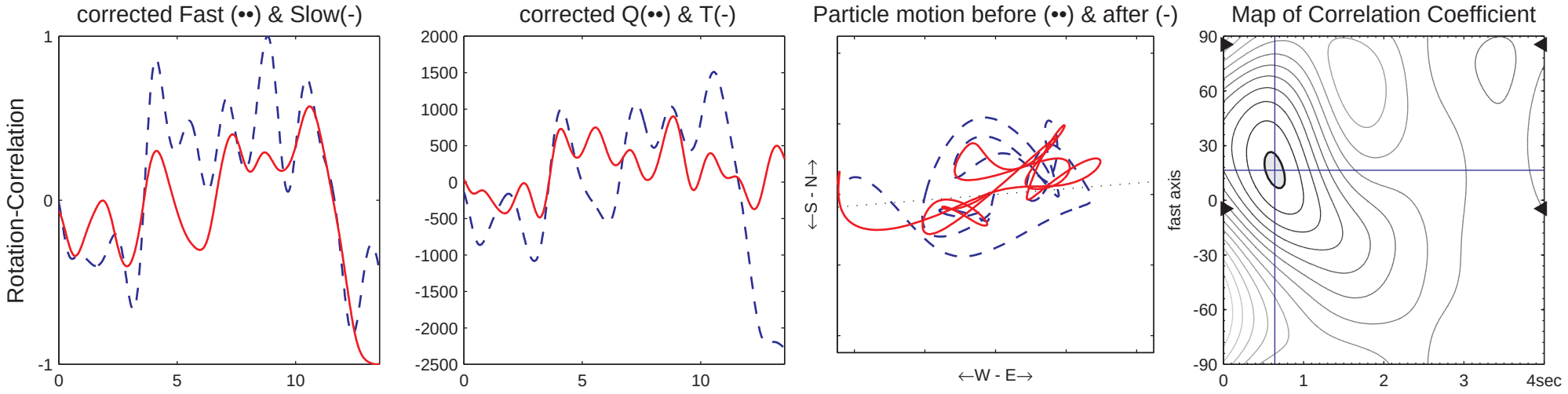
Event: **12-Feb-2009 (043) 08:30 3.97N 126.72E 35km Mw=6.0**
Station: **CDAG** Backazimuth: **85.4”** Distance: **89.28”**
init.Pol.: **261.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

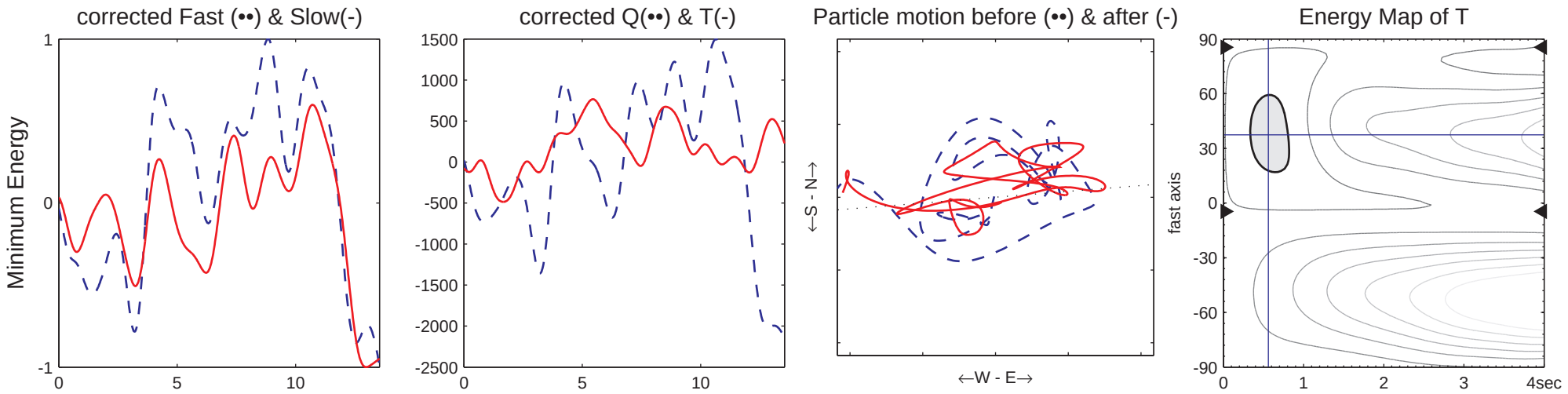
Rotation Correlation:	7<	16° <	27	0.5<0.6s<0.8
Minimum Energy:	17<	37° <	60	0.3<0.6s<0.8
Eigenvalue:	13<	33° <	56	0.4<0.6s<0.8

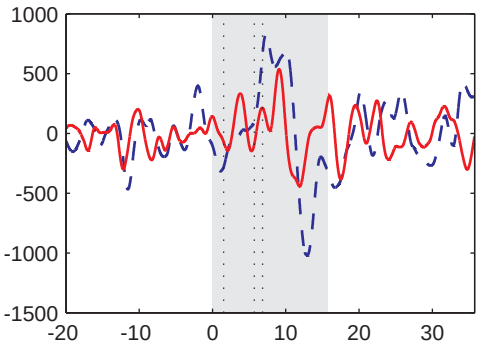
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



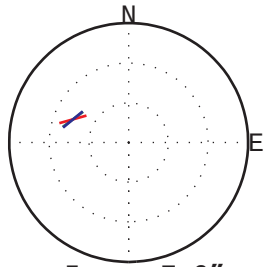




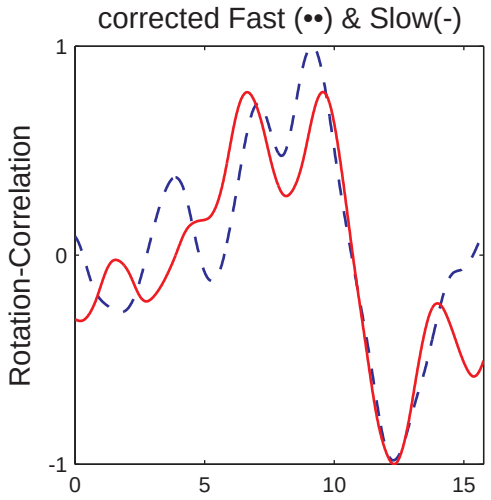
Event: **12-Mar-2009 (071) 23:23 5.69N -82.77E 9km Mw=6.3**
Station: **CDAG** Backazimuth: **292.4”** Distance: **106.64”**
init.Pol.: **99.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.2**

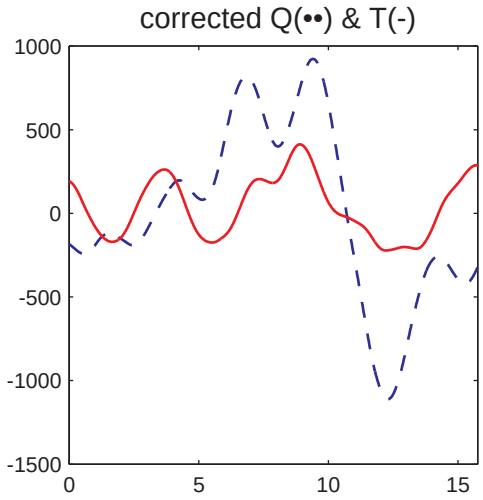
Rotation Correlation:	44<	53° <	64	0.6<0.8s<1.0
Minimum Energy:	46<	74° <	-84	0.4<0.9s<1.7
Eigenvalue:	25<	50° <	80	0.4<0.8s<1.2

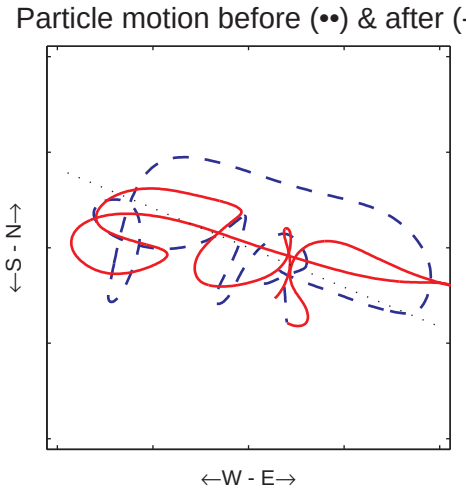
Quality: **fair** IsNull: **No** Phase: **SKS**

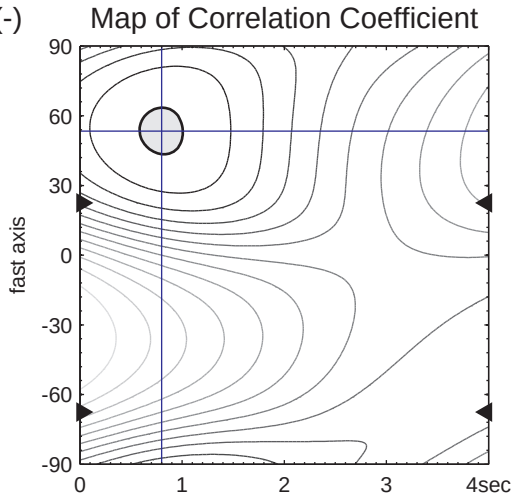


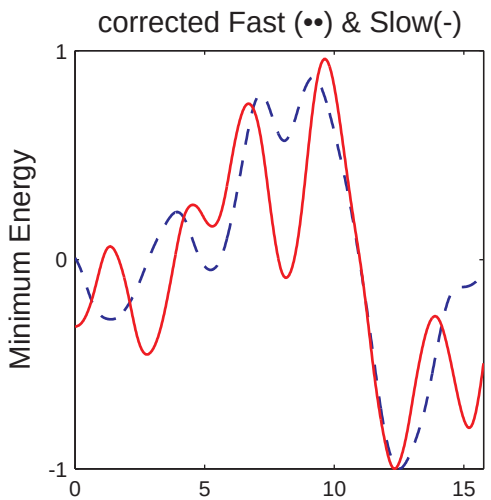
Inc = **7.6”**

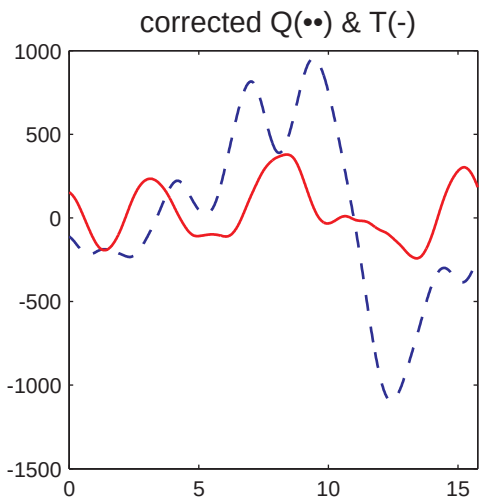


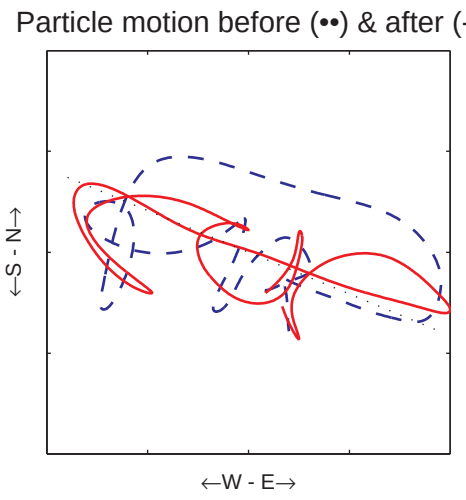


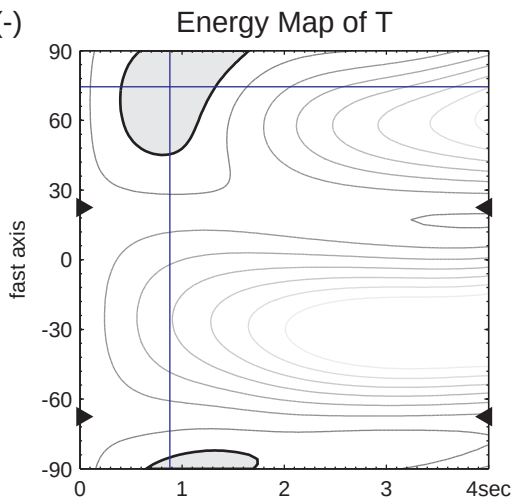


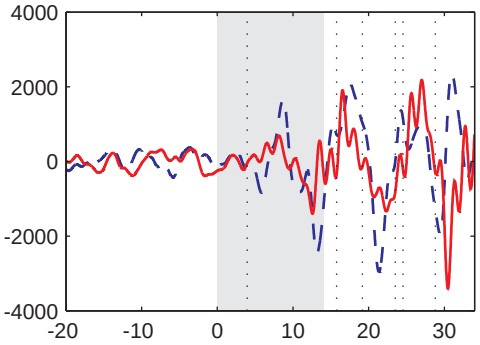








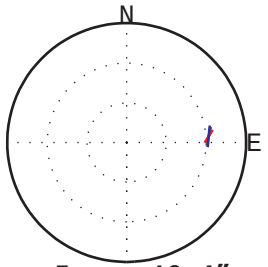




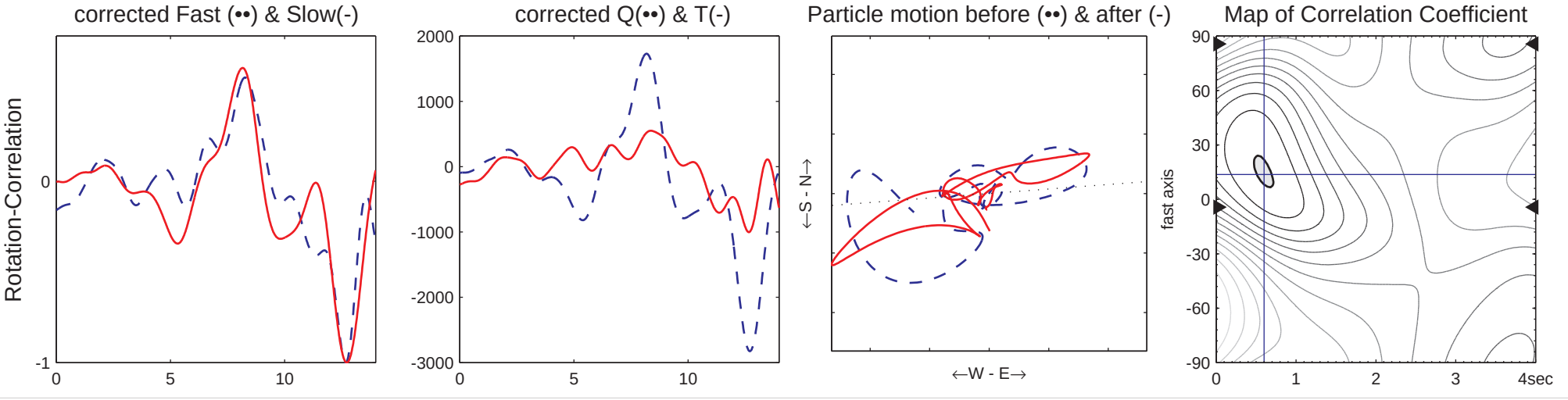
Event: **16-Mar-2009 (075) 14:15 3.81N 126.55E 35km Mw=6.3**
Station: **CDAG** Backazimuth: **85.7”** Distance: **89.25”**
init.Pol.: **246.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

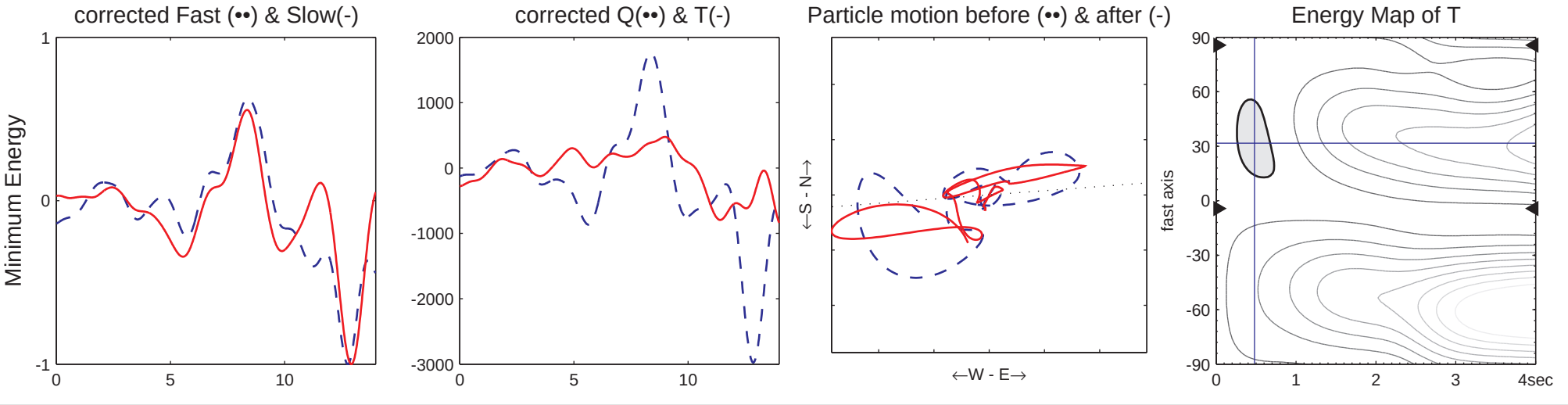
Rotation Correlation:	7<	14° <	25	0.5<0.6s<0.7
Minimum Energy:	13<	32° <	56	0.2<0.5s<0.7
Eigenvalue:	-11<	6° <	23	0.4<0.7s<1.1

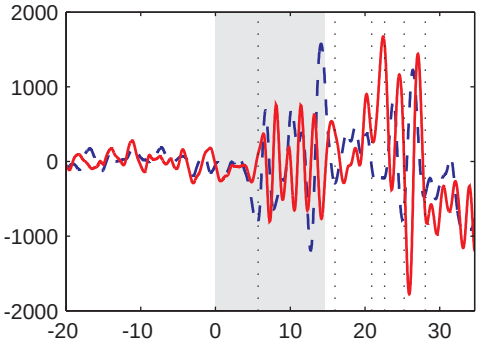
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



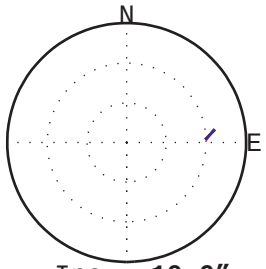




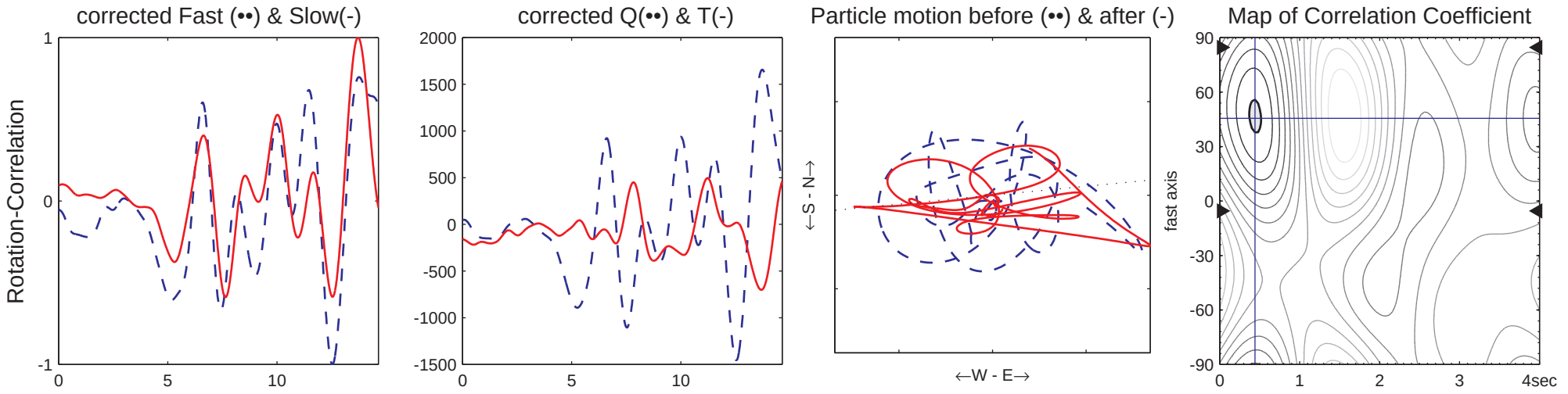
Event: **14-Jun-2009 (165) 05:58 5.36N 126.44E 35km Mw=6.1**
Station: **CDAG** Backazimuth: **84.6”** Distance: **88.17”**
init.Pol.: **273.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

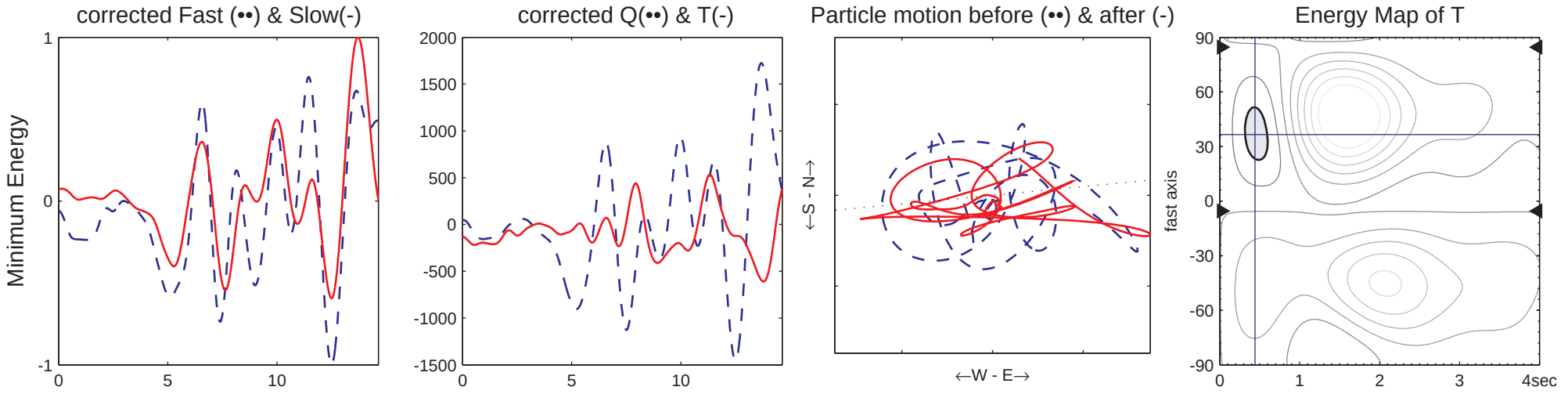
Rotation Correlation:	38<	46° <	56	0.4<0.4s<0.5
Minimum Energy:	23<	37° <	52	0.3<0.4s<0.6
Eigenvalue:	29<	45° <	62	0.3<0.4s<0.6

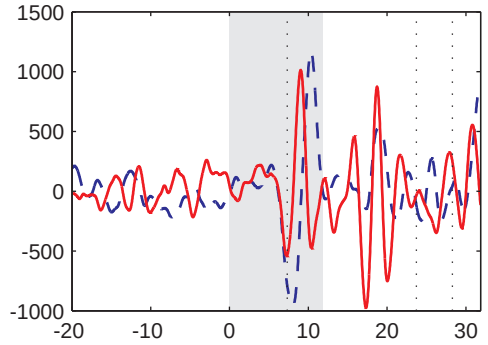
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.6”**



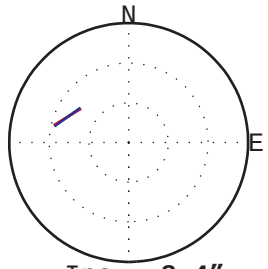




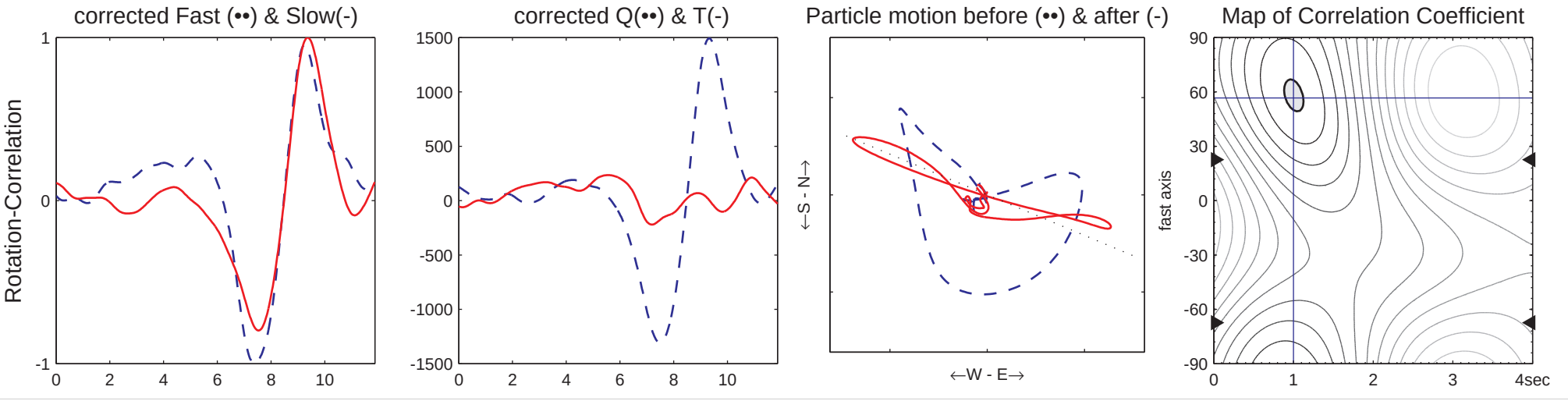
Event: **04-Jul-2009 (185) 06:49** **9.59N -78.97E** **38km** Mw=**6.1**
Station: **CDAG** Backazimuth: **292.6”** Distance: **101.22”**
init.Pol.: **107.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.5**

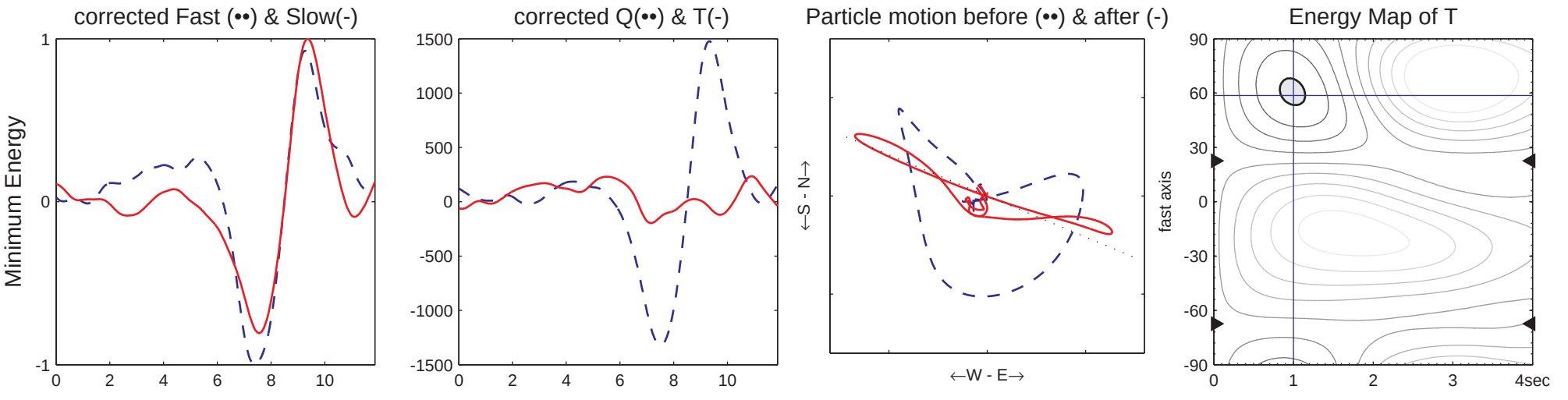
Rotation Correlation:	50<	57° <	67	0.9<1.0s<1.1
Minimum Energy:	54<	59° <	68	0.8<1.0s<1.2
Eigenvalue:	46<	55° <	68	0.9<1.0s<1.2

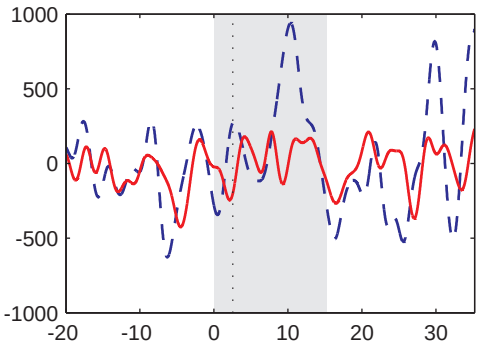
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **8.4”**



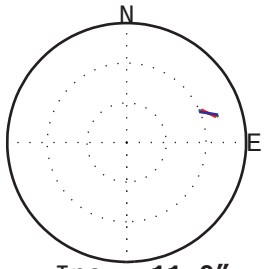




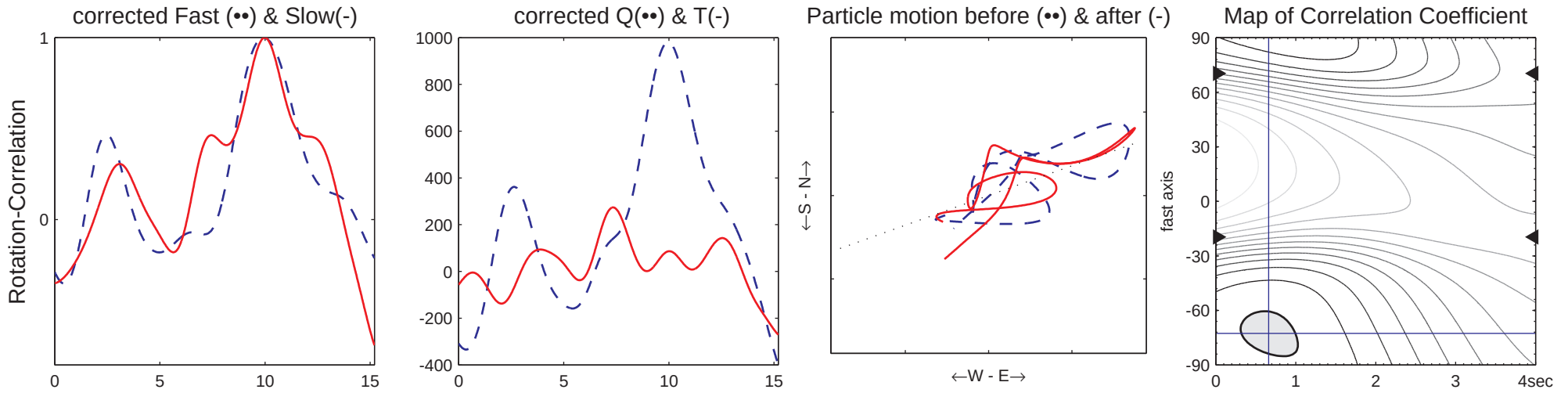
Event: **10-Aug-2009 (222) 04:06 -11.61N 166.09E 35km Mw=6.6**
Station: **CDAG** Backazimuth: **70.4”** Distance: **129.08”**
init.Pol.: **243.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.6**

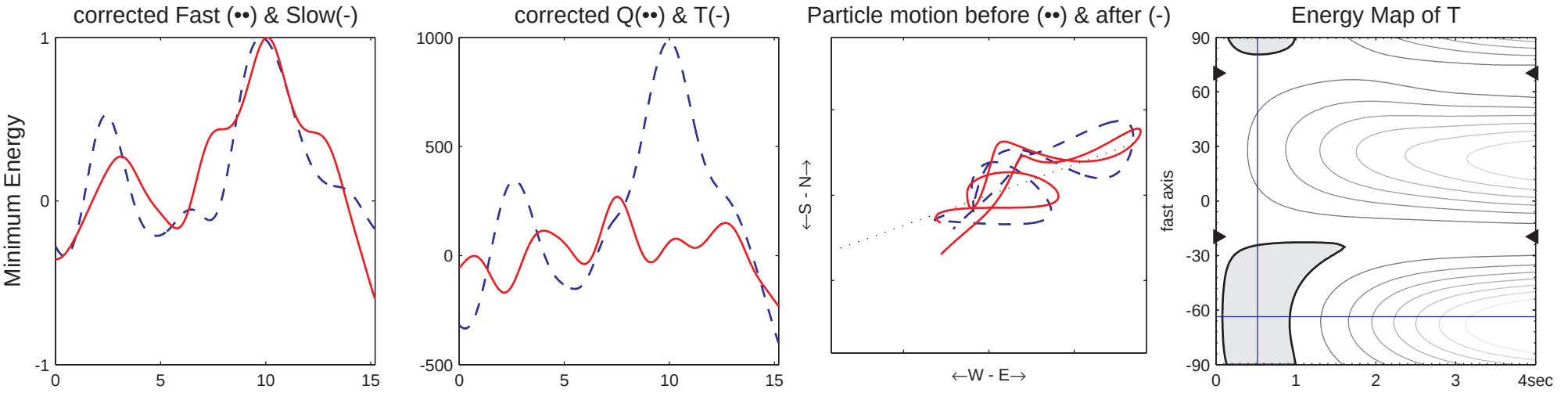
Rotation Correlation:	-86<	-73° <	-62 0.3<0.7s<1.0
Minimum Energy:	80<	-64° <	-25 0.1<0.5s<1.6
Eigenvalue:	60<	-82° <	-31 0.1<0.6s<3.0

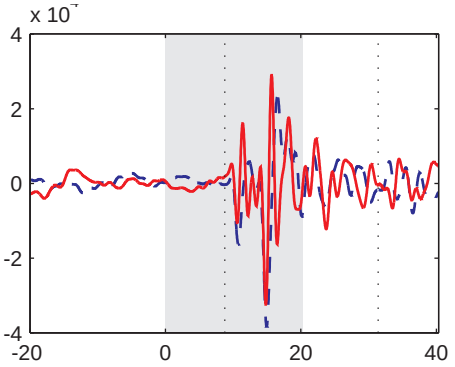
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.0”**



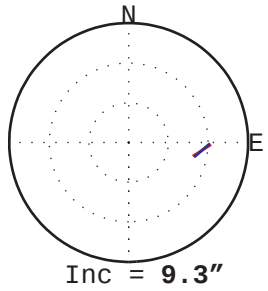


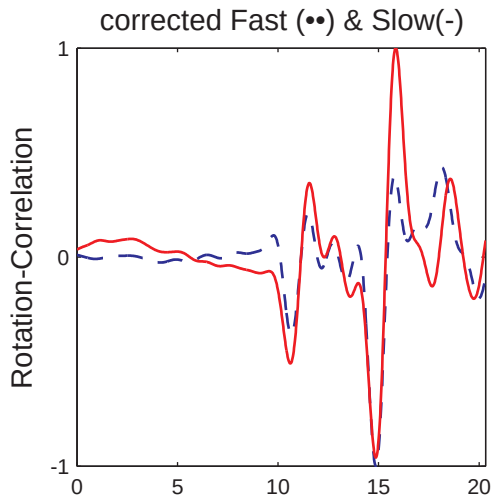


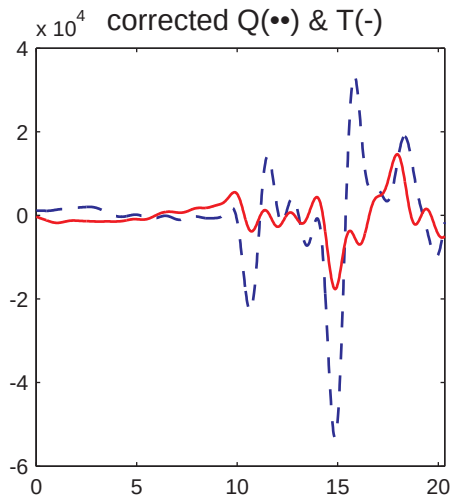
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **CDAG** Backazimuth: **96.1”** Distance: **93.83”**
init.Pol.: **264.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.8**

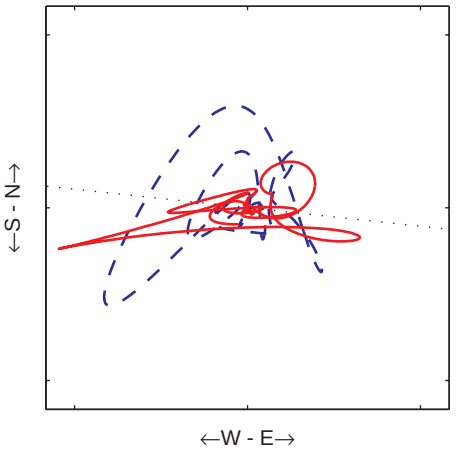
Rotation Correlation:	46<	49° <	53	0.6<0.7s<0.7
Minimum Energy:	56<	58° <	66	0.6<0.7s<0.8
Eigenvalue:	43<	50° <	60	0.6<0.6s<0.7

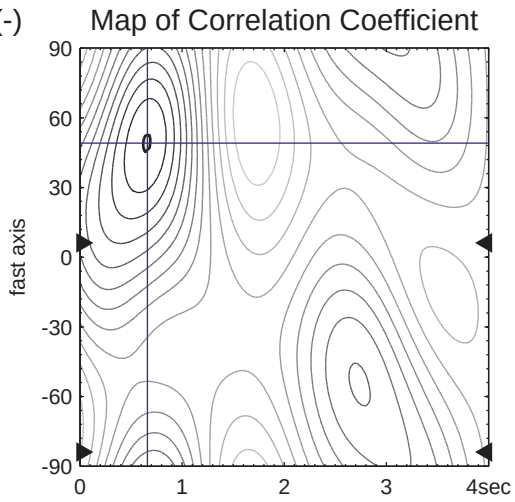
Quality: **fair** IsNull: **No** Phase: **SKS**

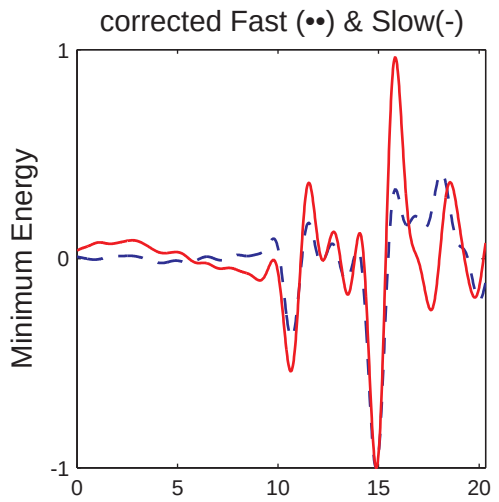


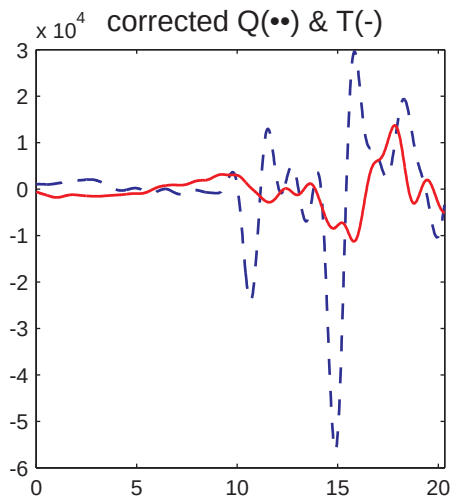


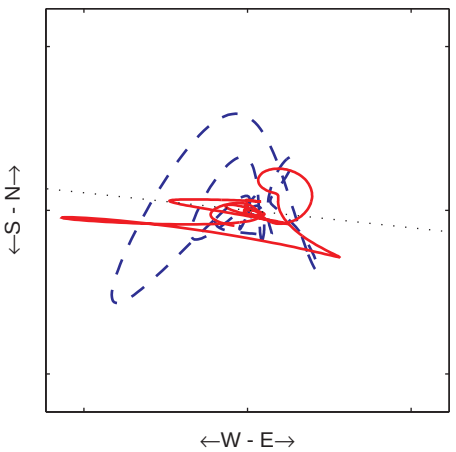


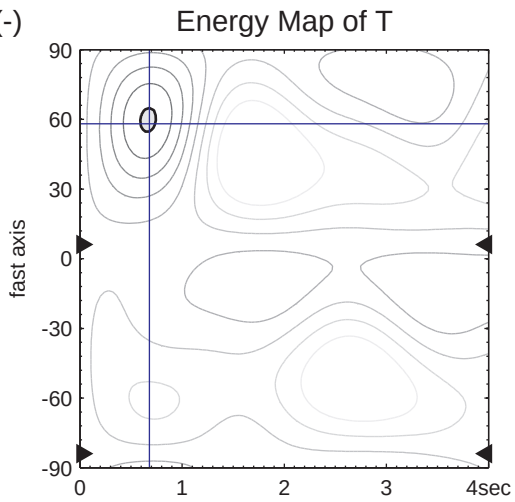


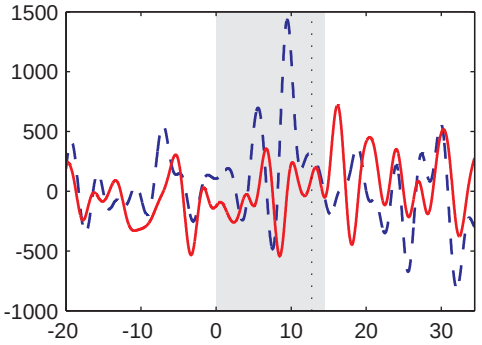








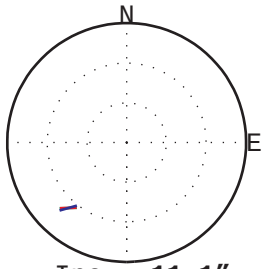




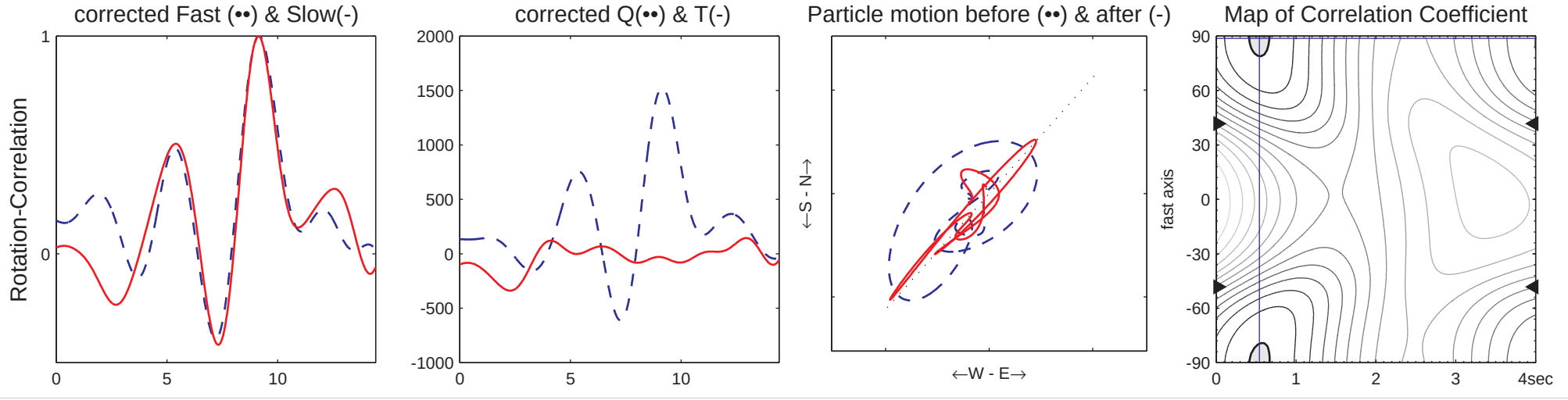
Event: **17-Jan-2010 (017) 12:00 -57.66N -65.88E 5km Mw=6.3**
Station: **CDAG** Backazimuth: **221.7”** Distance: **127.75”**
init.Pol.: **36.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

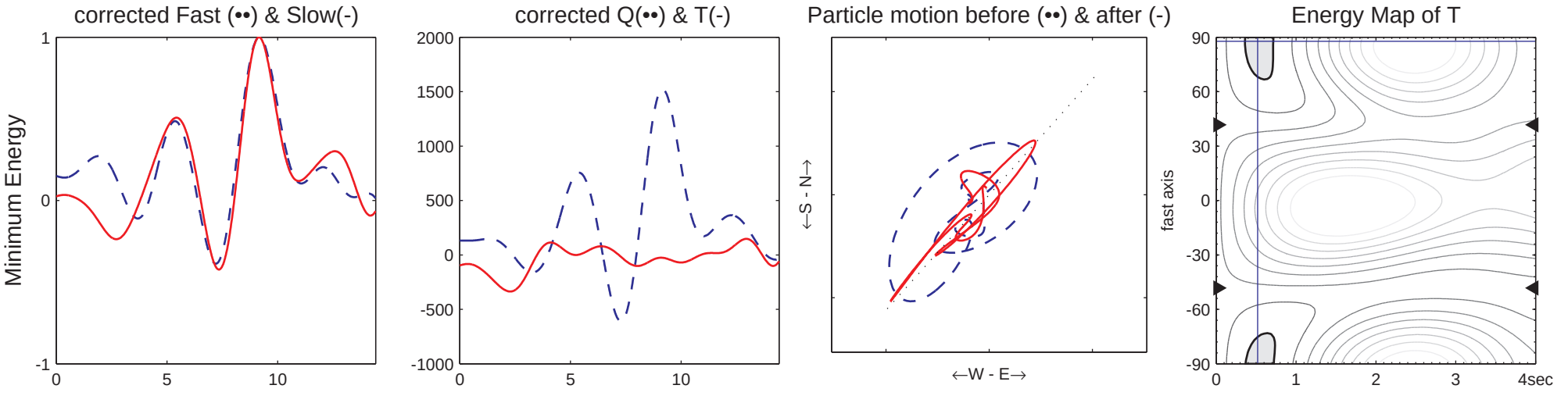
Rotation Correlation:	-Inf<	89° < Inf	0.0<0.5s<Inf
Minimum Energy:	66<	88° < -76	0.4<0.5s<0.7
Eigenvalue:	50<	74° < -74	0.4<0.6s<0.8

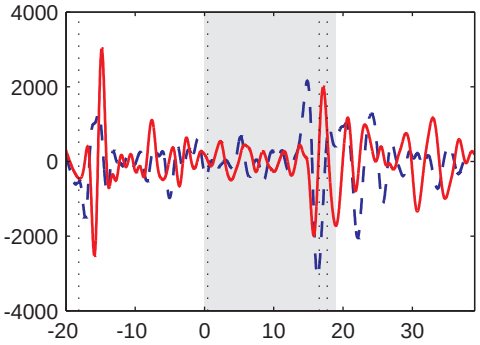
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **11.1”**



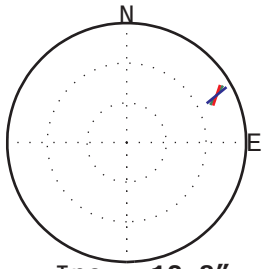




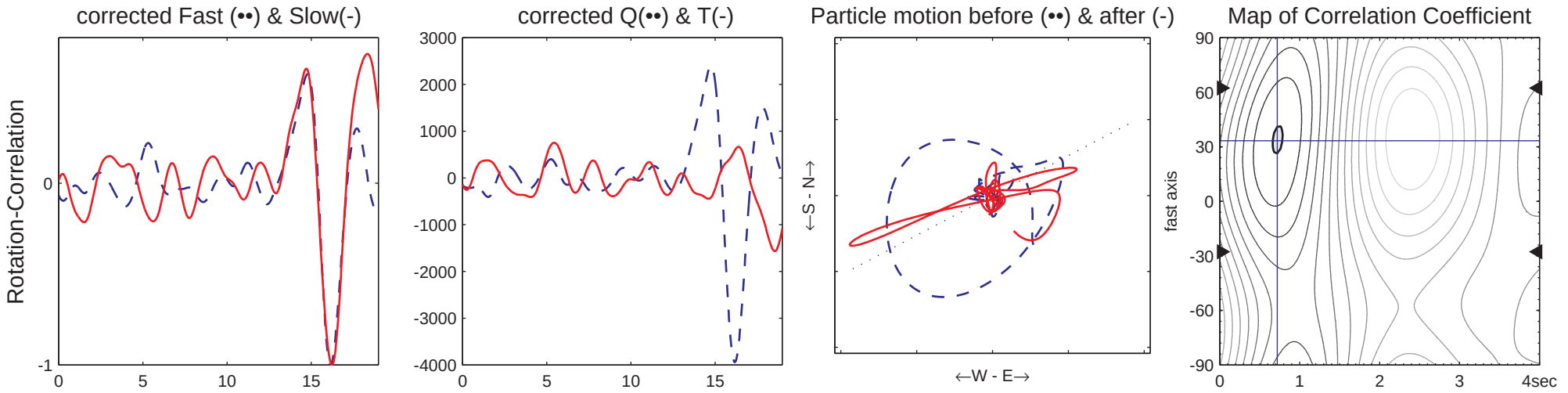
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **CDAG** Backazimuth: **62.3”** Distance: **92.39”**
init.Pol.: **269.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

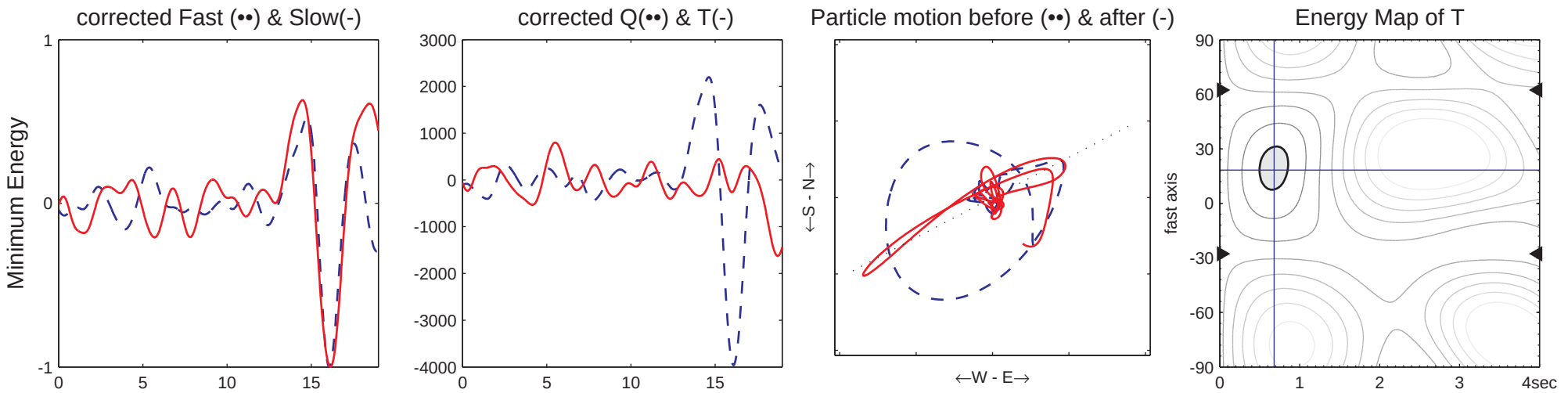
Rotation Correlation:	27<	33° <	42	0.7<0.7s<0.8
Minimum Energy:	7<	18° <	31	0.5<0.7s<0.8
Eigenvalue:	31<	50° <	68	0.6<0.8s<1.0

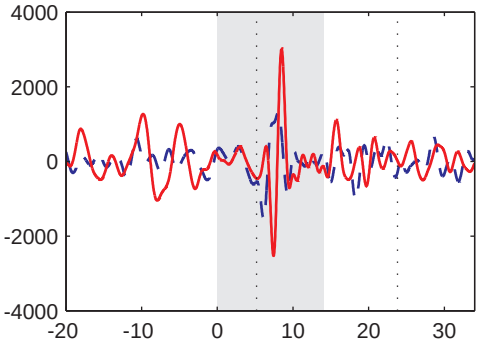
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.8”**



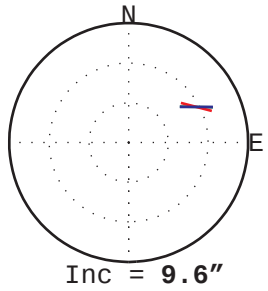


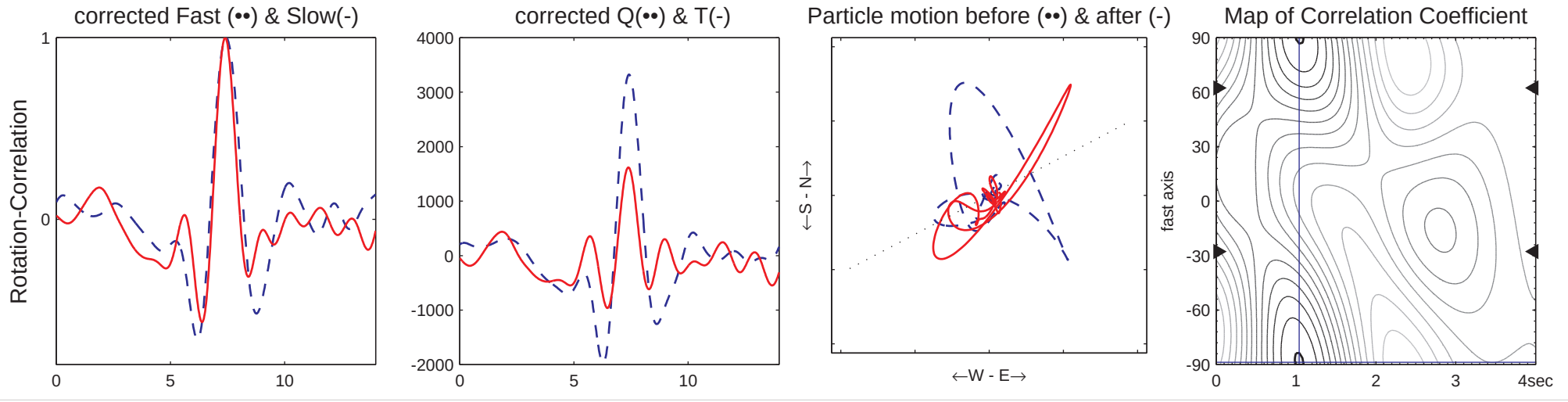


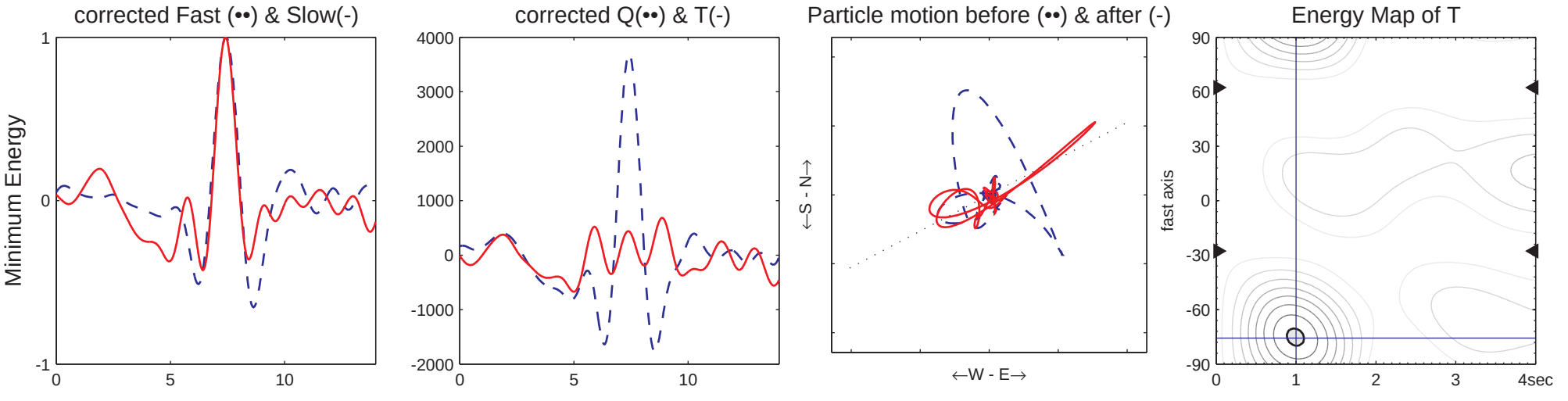
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **CDAG** Backazimuth: **62.3”** Distance: **92.39”**
init.Pol.: **218.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.9**

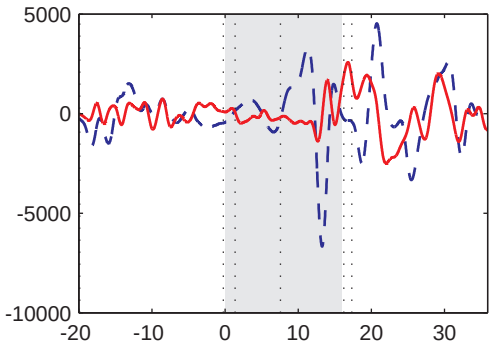
Rotation Correlation:	87< -89° < -85	1.0<1.0s<1.1
Minimum Energy:	-82< -76° < -72	0.9<1.0s<1.1
Eigenvalue:	-Inf< -90° < Inf	0.0<1.0s<Inf

Quality: **fair** IsNull: **No** Phase: **SKS**





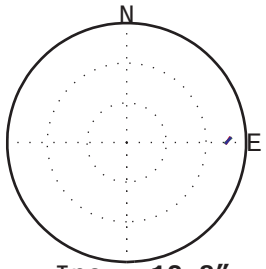




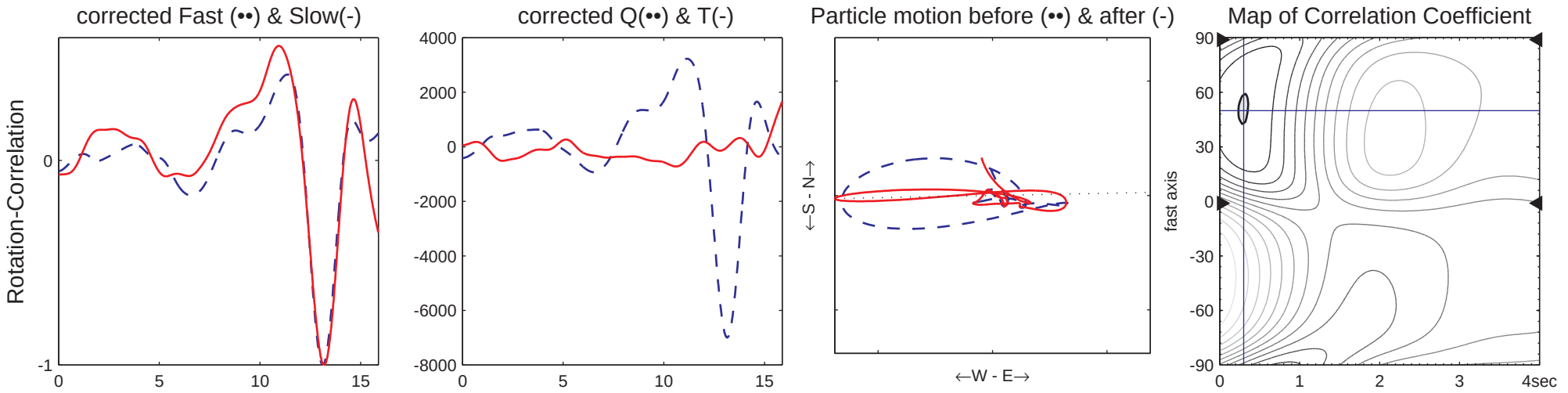
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **CDAG** Backazimuth: **88.9”** Distance: **93.98”**
init.Pol.: **271.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.0**

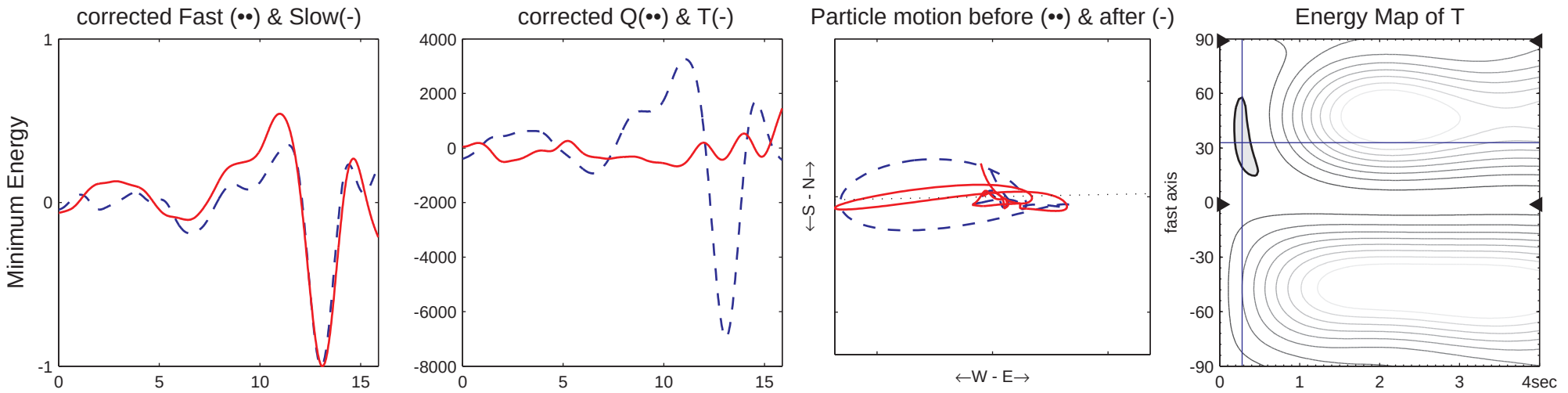
Rotation Correlation:	43<	50° <	59	0.2<0.3s<0.4
Minimum Energy:	15<	33° <	58	0.2<0.3s<0.5
Eigenvalue:	19<	39° <	66	0.2<0.3s<0.4

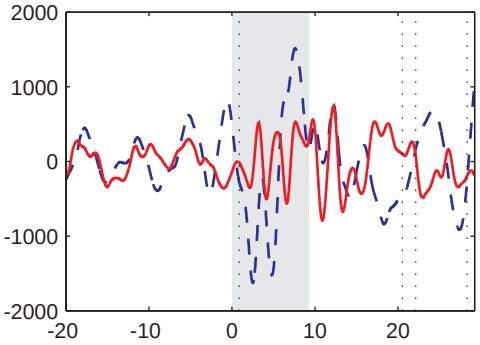
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.8”**



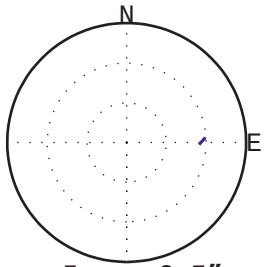


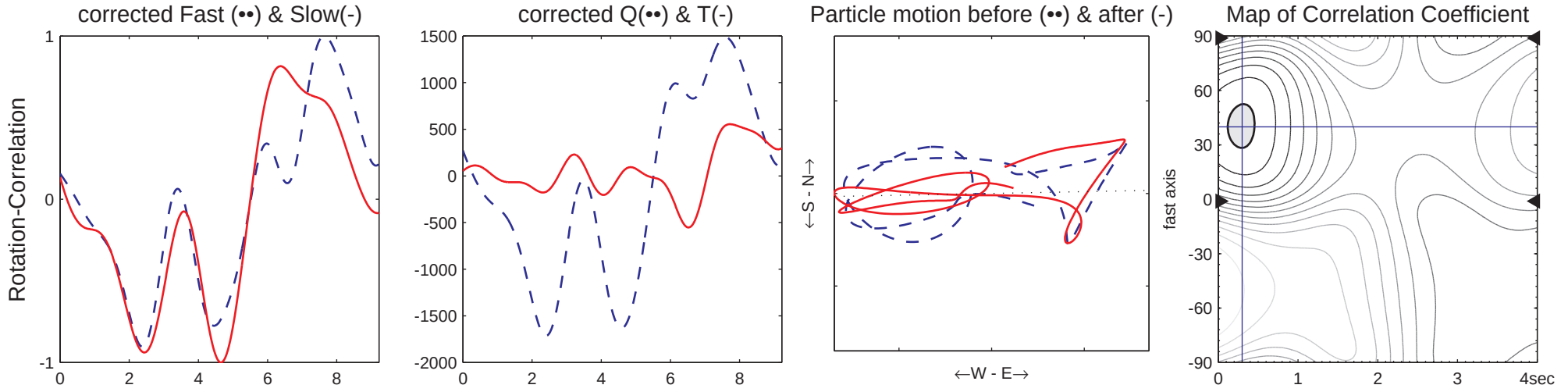


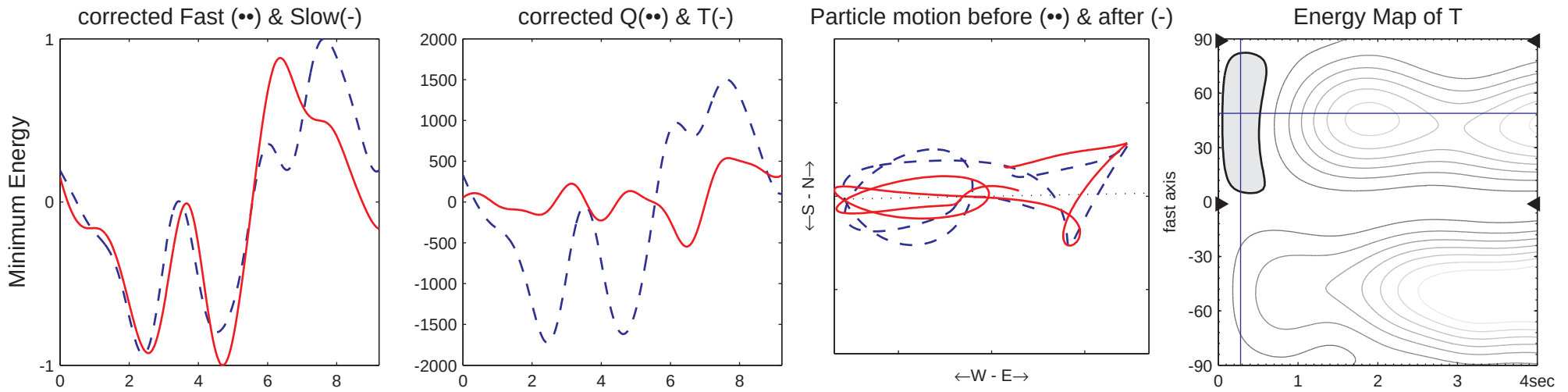
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **CDAG** Backazimuth: **88.9”** Distance: **93.98”**
init.Pol.: **263.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.3**

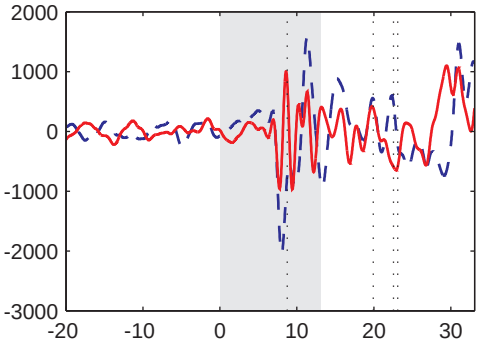
Rotation Correlation:	29<	40° <	53	0.1<0.3s<0.4
Minimum Energy:	5<	49° <	82	0.0<0.3s<0.6
Eigenvalue:	-1<	41° <	78	0.1<0.3s<0.6

Quality: **fair** IsNull: **No** Phase: **SKS**





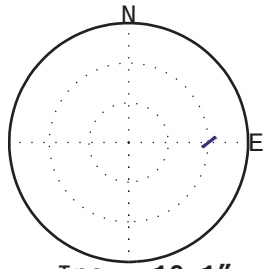




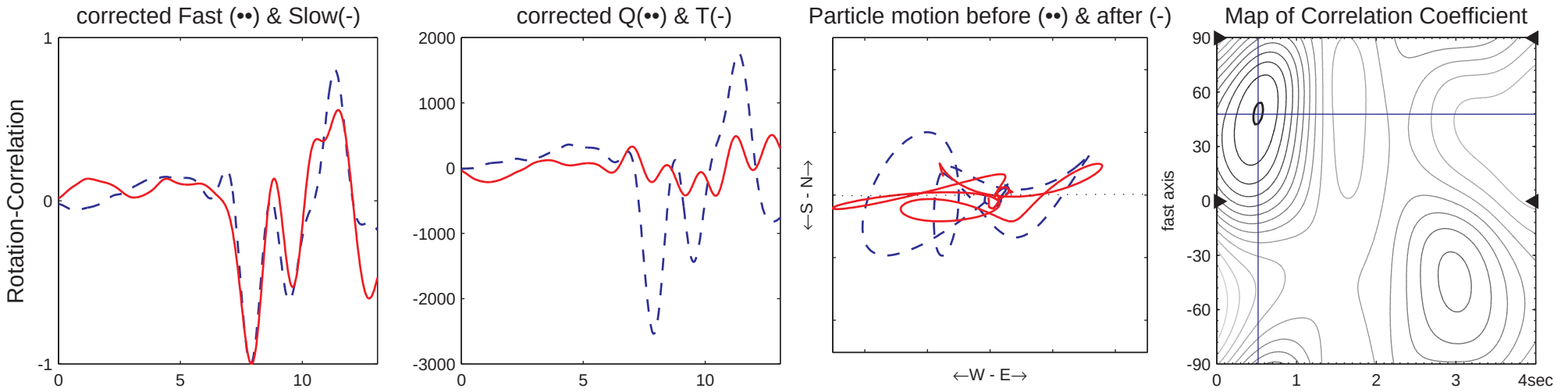
Event: **05-Apr-2010 (095) 10:05 -0.18N 125.01E 25km Mw=6.2**
Station: **CDAG** Backazimuth: **89.7”** Distance: **90.61”**
init.Pol.: **266.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.4**

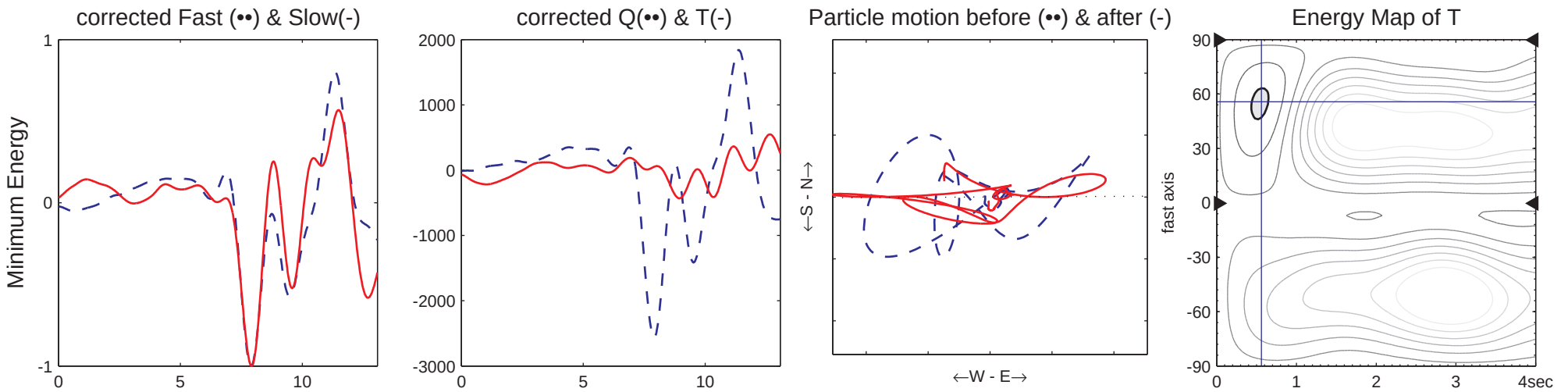
Rotation Correlation:	42<	48° <	54	0.4<0.5s<0.6
Minimum Energy:	46<	56° <	64	0.4<0.6s<0.6
Eigenvalue:	41<	52° <	64	0.4<0.5s<0.6

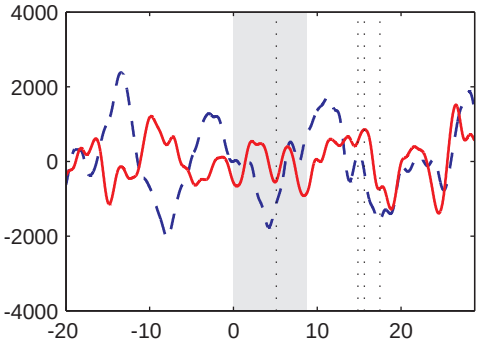
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



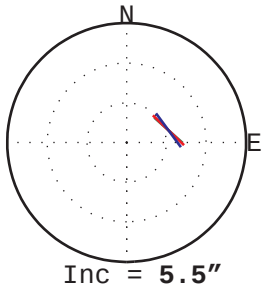


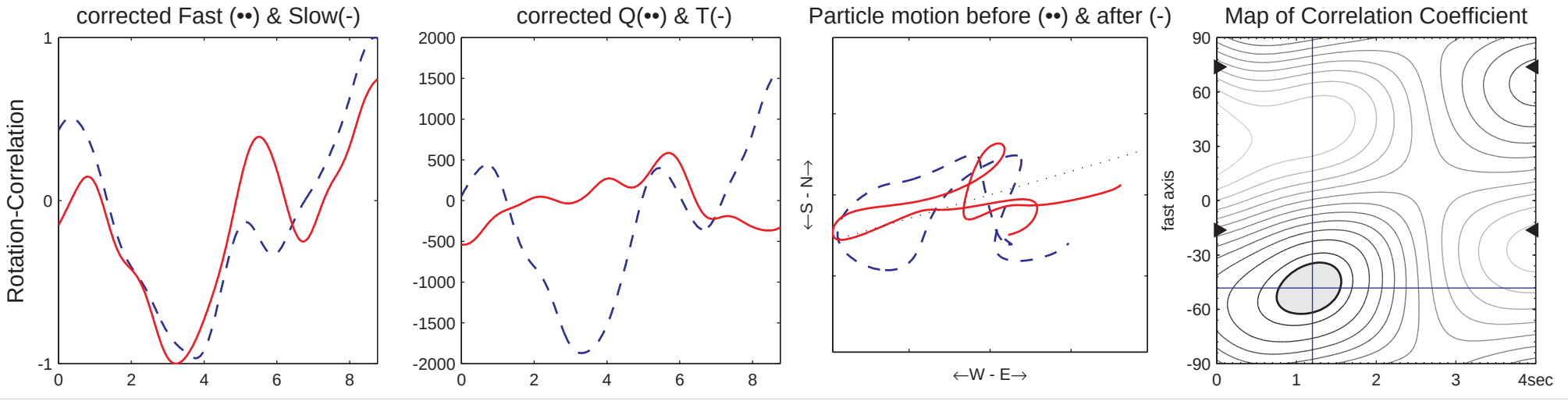


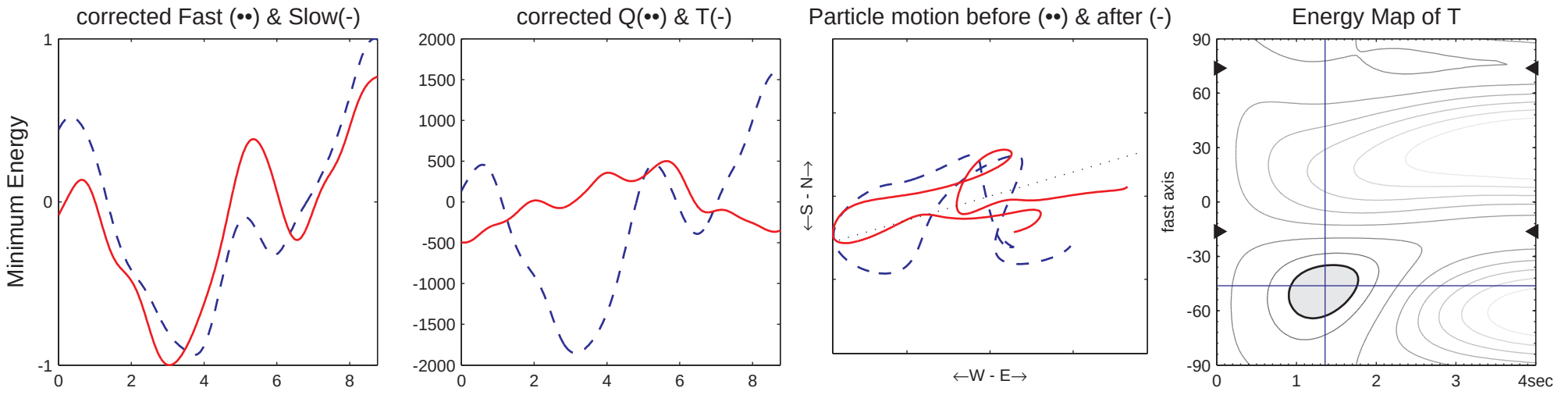
Event: **11-Apr-2010 (101) 09:40 -10.88N 161.12E 21km Mw=6.9**
Station: **CDAG** Backazimuth: **73.8”** Distance: **124.95”**
init.Pol.: **266.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.4**

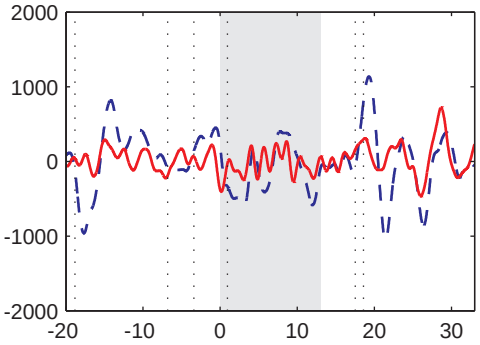
Rotation Correlation:	-64<	-48° <	-36 0.8<1.2s<1.6
Minimum Energy:	-66<	-46° <	-37 0.9<1.4s<1.8
Eigenvalue:	-56<	-36° <	-23 1.0<1.3s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





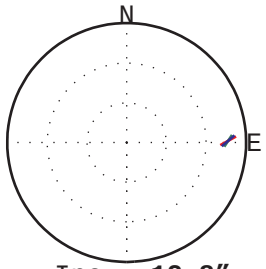




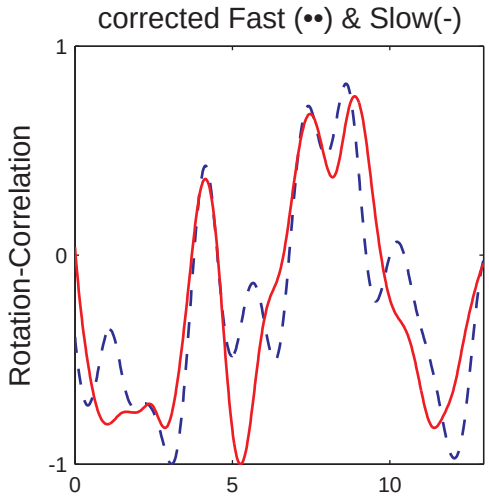
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **CDAG** Backazimuth: **89.1”** Distance: **94.11”**
init.Pol.: **256.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

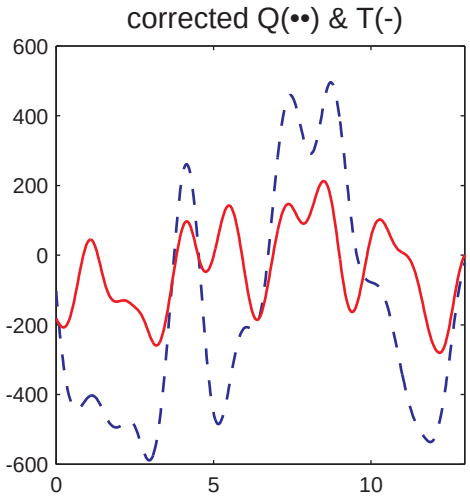
Rotation Correlation:	28<	33° <	40	0.4<0.4s<0.5
Minimum Energy:	48<	61° <	74	0.4<0.6s<0.8
Eigenvalue:	37<	49° <	62	0.4<0.5s<0.7

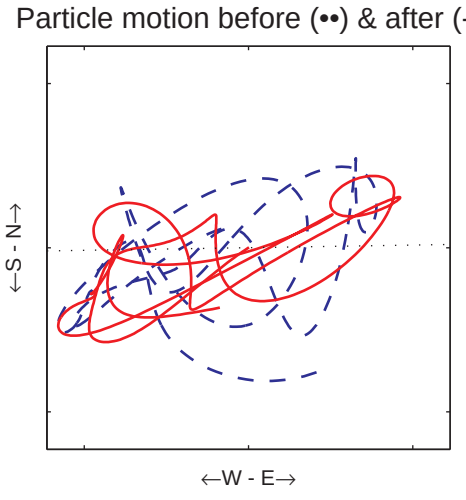
Quality: **fair** IsNull: **No** Phase: **SKKS**

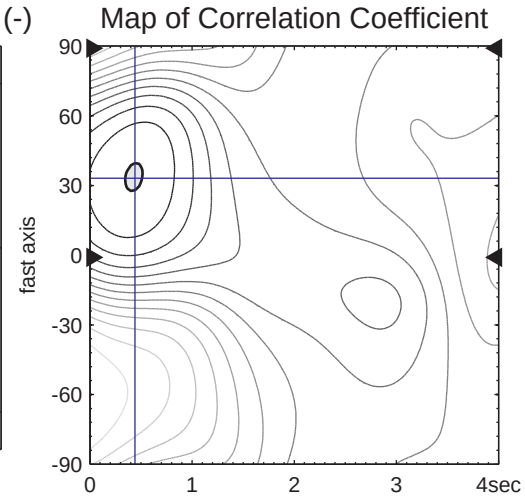


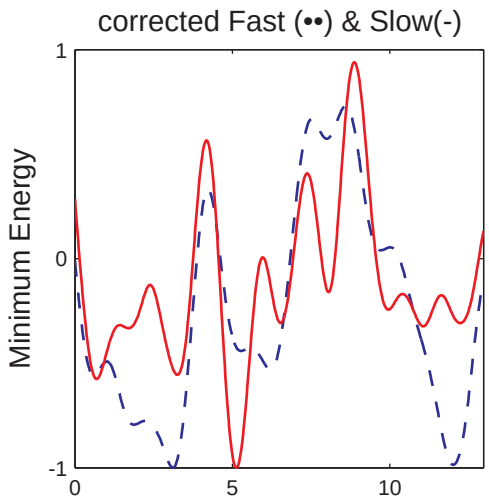
Inc = **12.8”**

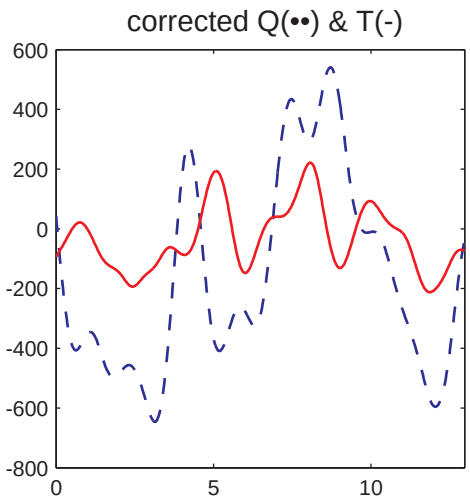


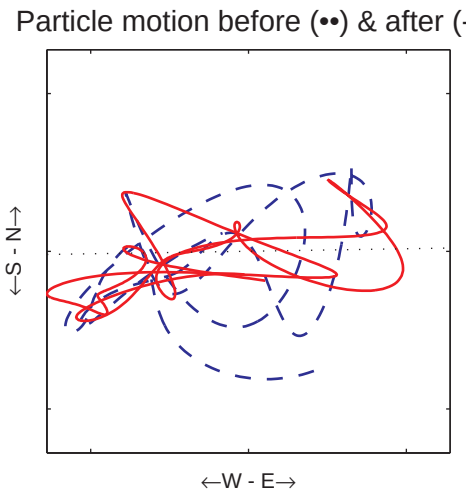


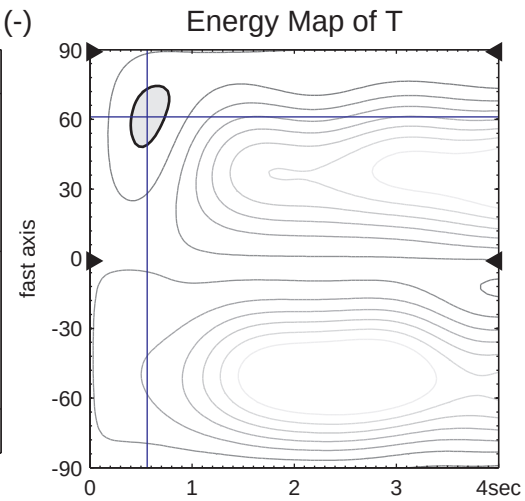


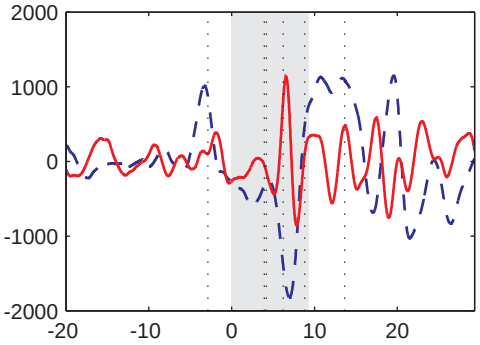








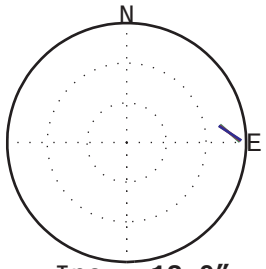




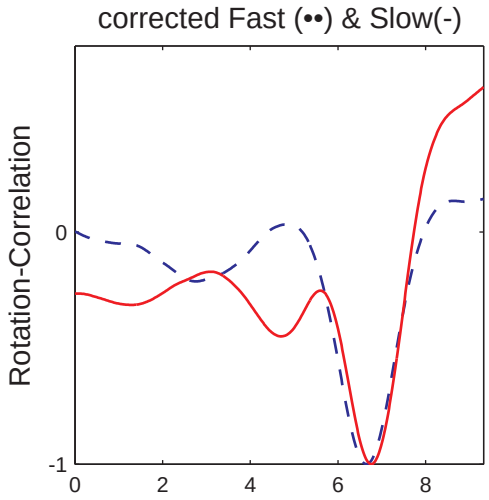
Event: **31-May-2010 (151) 10:16 6.95N 124.03E 20km Mw=6.0**
Station: **CDAG** Backazimuth: **84.9”** Distance: **85.31”**
init.Pol.: **263.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.4**

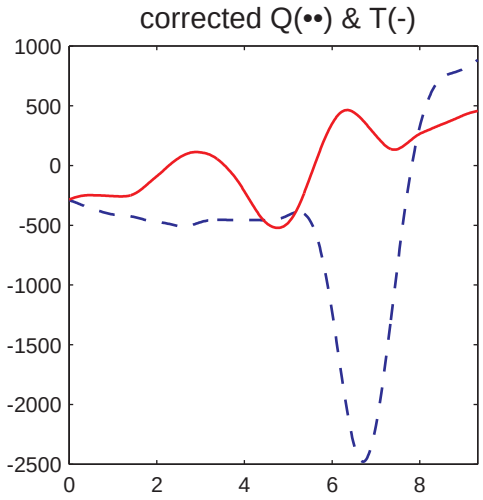
Rotation Correlation:	-61< **-49°** < -40	0.6<0.8s<1.0
Minimum Energy:	-74< **-55°** < -39	0.5<0.8s<1.1
Eigenvalue:	-84< **-57°** < -27	0.4<0.8s<1.2

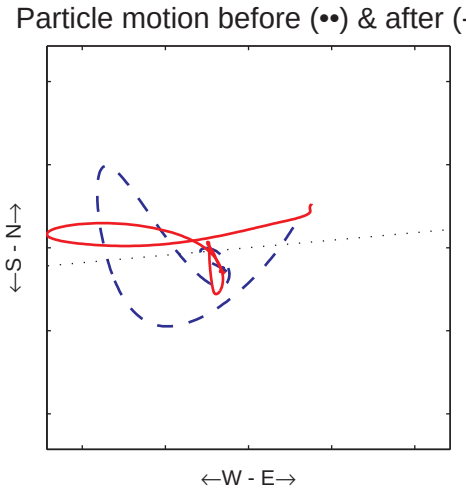
Quality: **good** IsNull: **No** Phase: **SKKS**

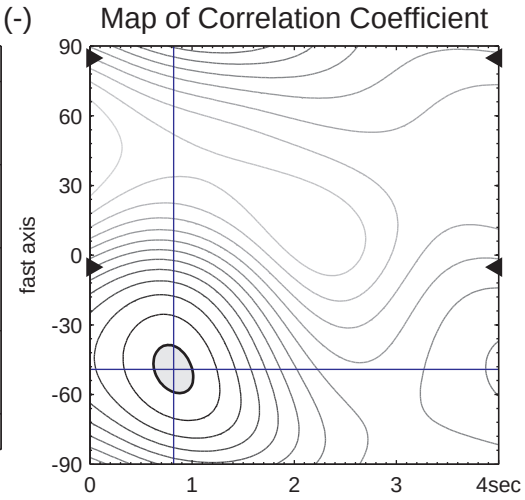


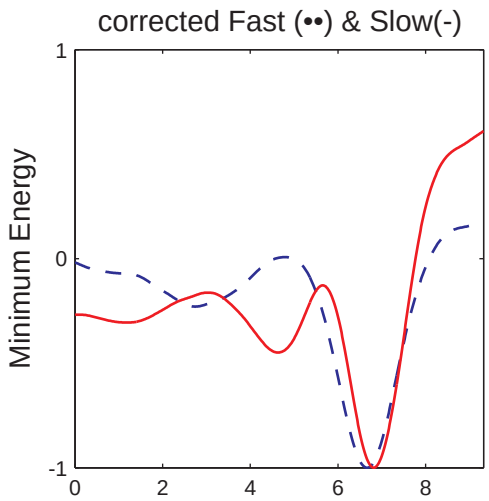
Inc = **13.0”**

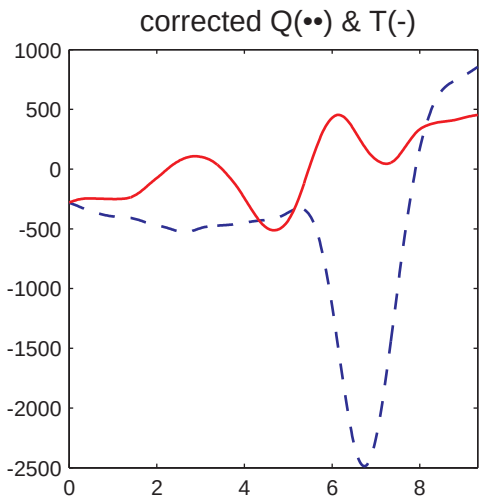


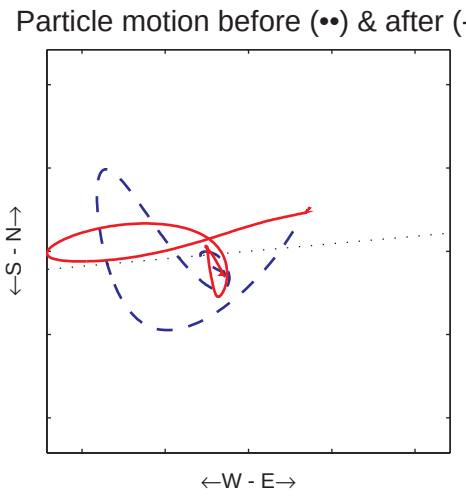


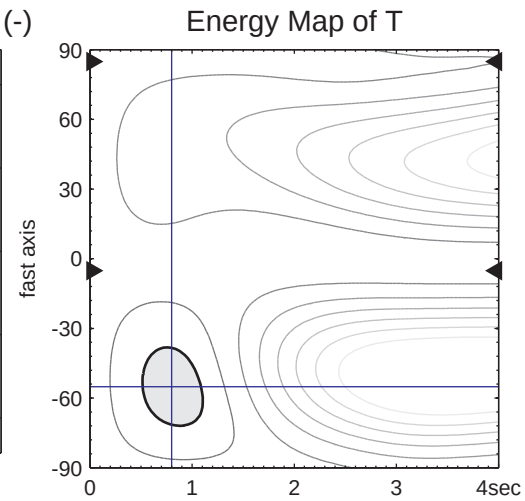


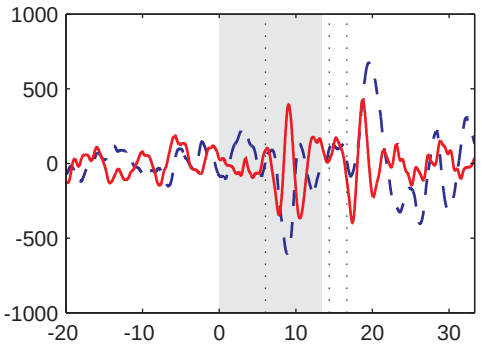








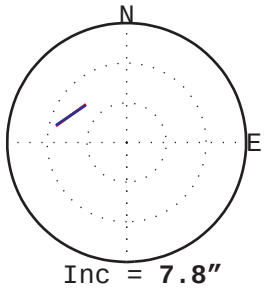


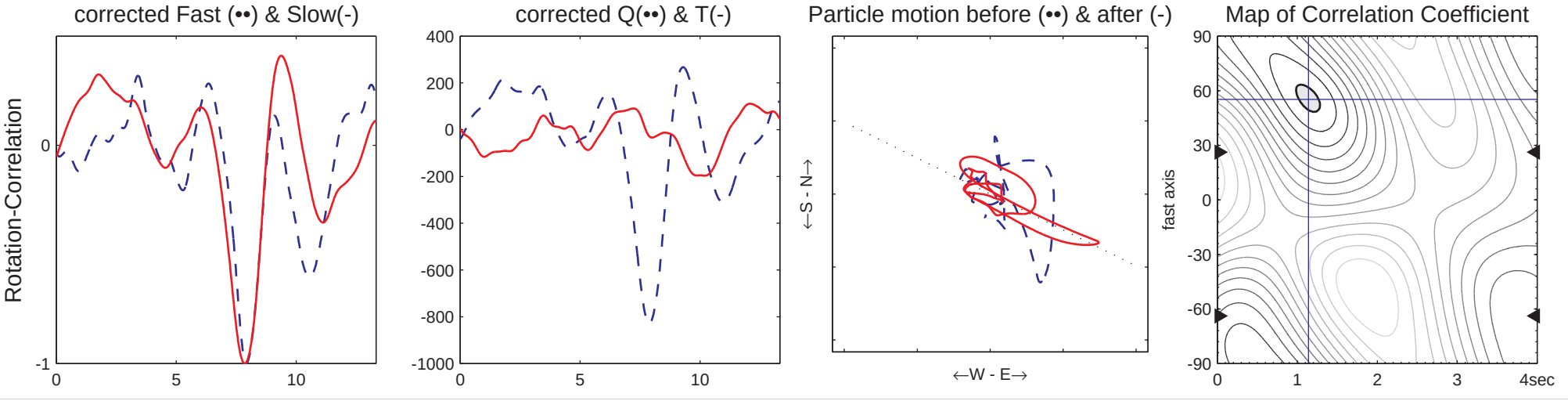


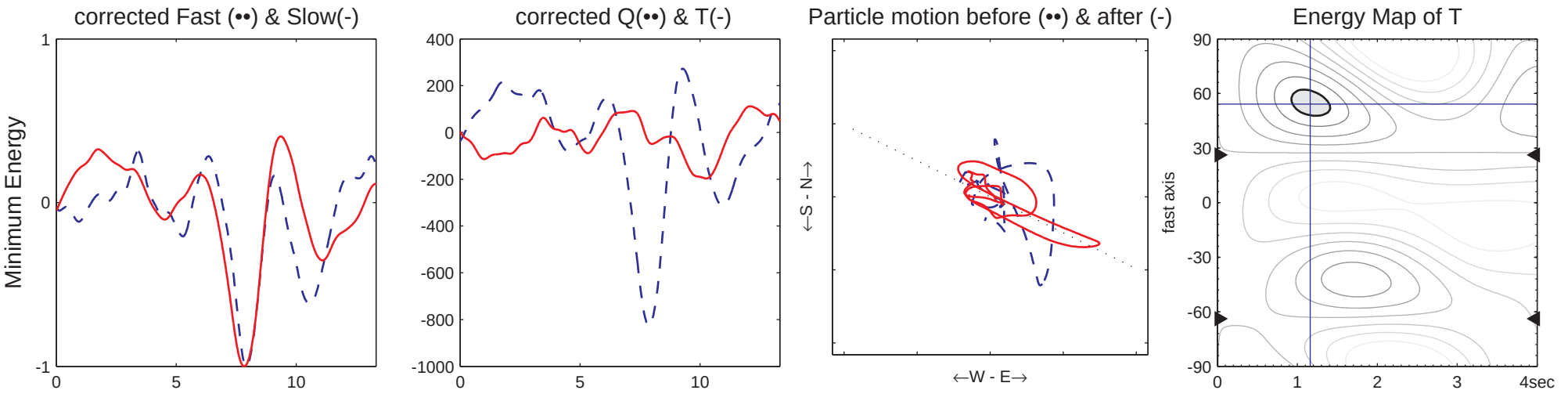
Event: **01-Jun-2010 (152) 03:26 9.33N -84.21E 18km Mw=6.0**
Station: **CDAG** Backazimuth: **296.2”** Distance: **105.08”**
init.Pol.: **121.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

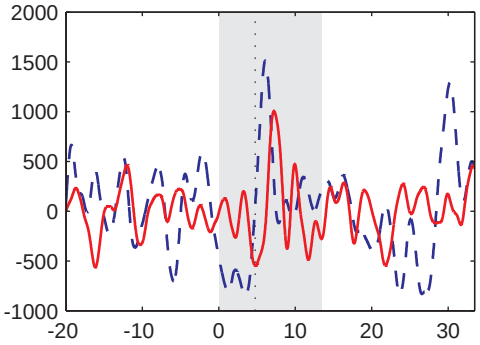
Rotation Correlation:	49<	55° <	63	1.0<1.1s<1.3
Minimum Energy:	48<	54° <	62	0.9<1.2s<1.4
Eigenvalue:	48<	56° <	70	0.8<1.1s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





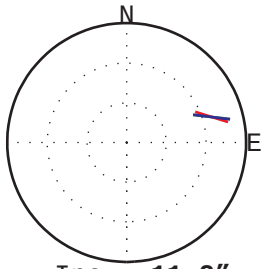




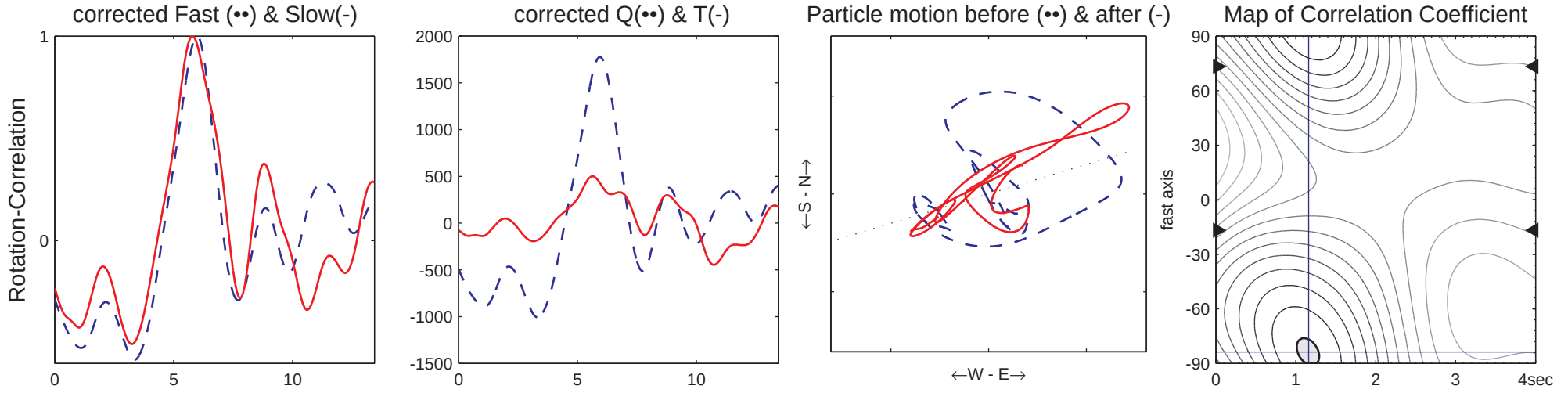
Event: **26-Jun-2010 (177) 05:30 -10.63N 161.45E 35km Mw=6.7**
Station: **CDAG** Backazimuth: **73.3”** Distance: **125.03”**
init.Pol.: **241.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

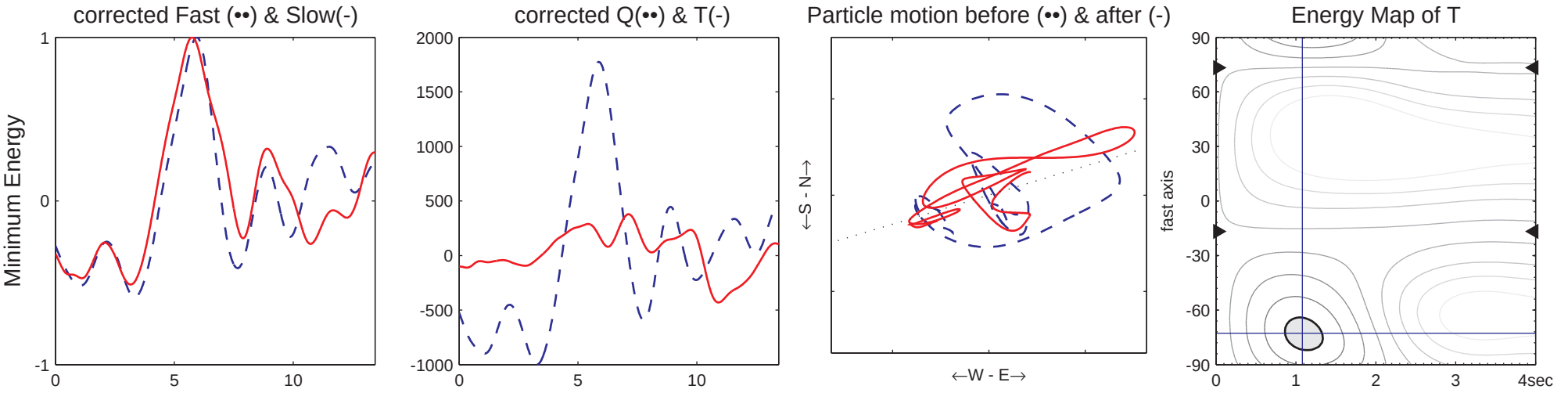
Rotation Correlation:	-91<	-84° <	-77	1.0<1.2s<1.3
Minimum Energy:	-84<	-73° <	-66	0.9<1.1s<1.3
Eigenvalue:	88<	-83° <	-74	1.0<1.2s<1.4

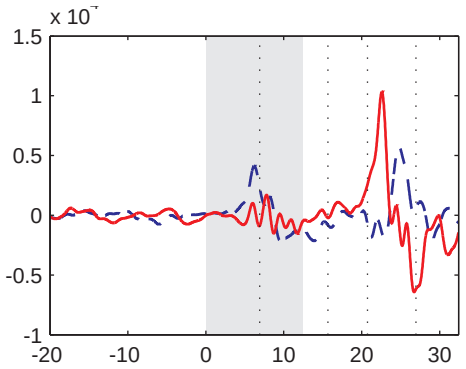
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.2”**



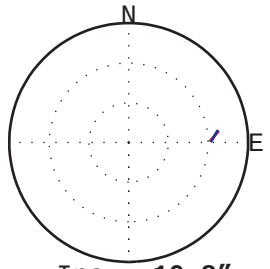




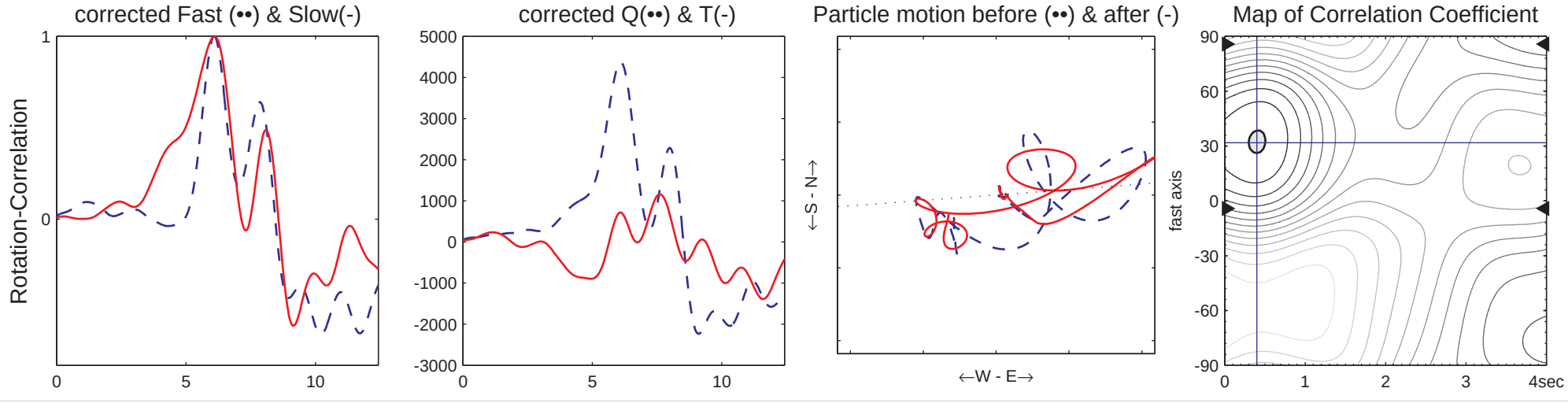
Event: **24-Jul-2010 (205) 05:35 6.22N 123.52E 553km Mw=6.6**
Station: **CDAG** Backazimuth: **85.7”** Distance: **85.38”**
init.Pol.: **254.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

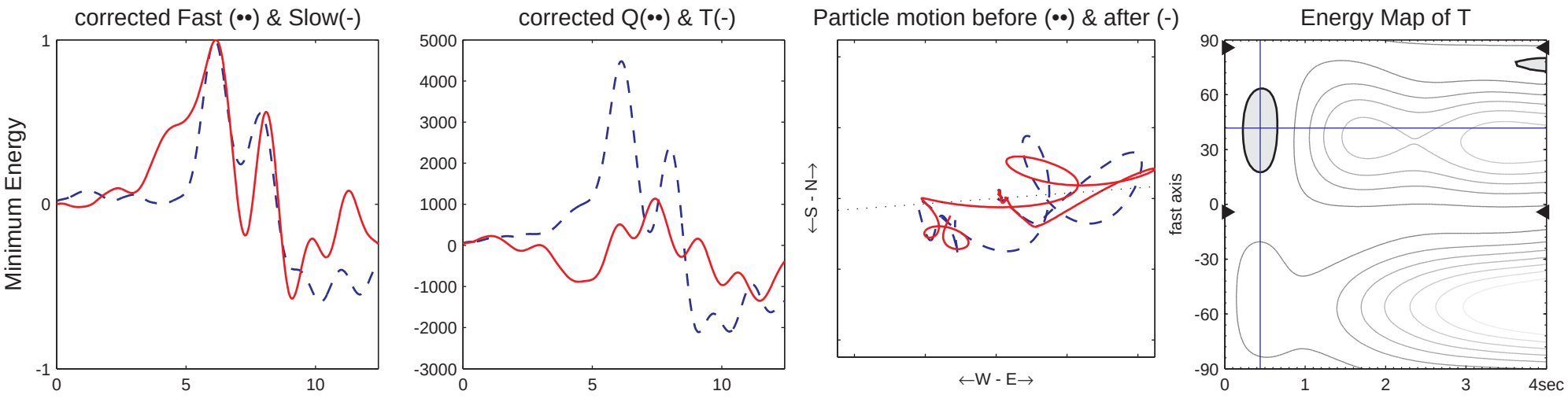
Rotation Correlation:	26<	32° <	39	0.3<0.4s<0.5
Minimum Energy:	17<	42° <	64	0.2<0.4s<0.6
Eigenvalue:	11<	32° <	52	0.2<0.4s<0.6

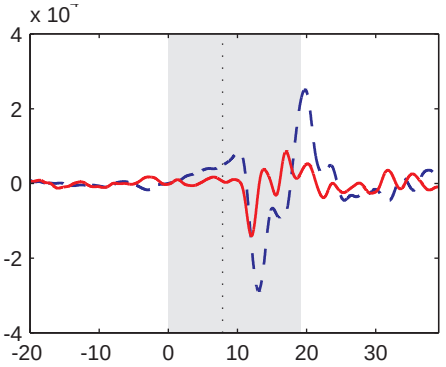
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



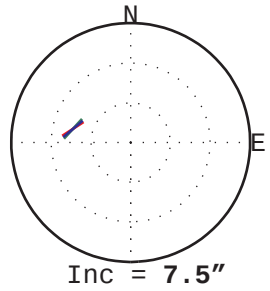


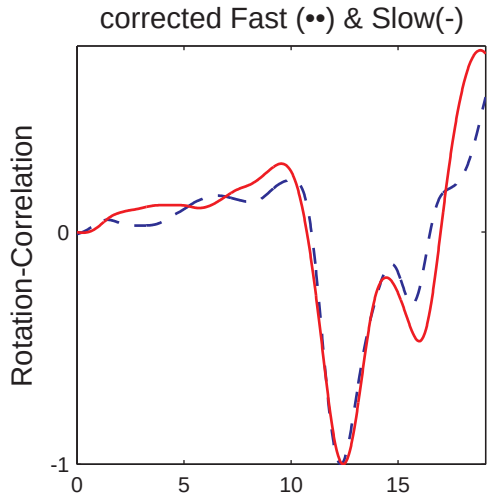


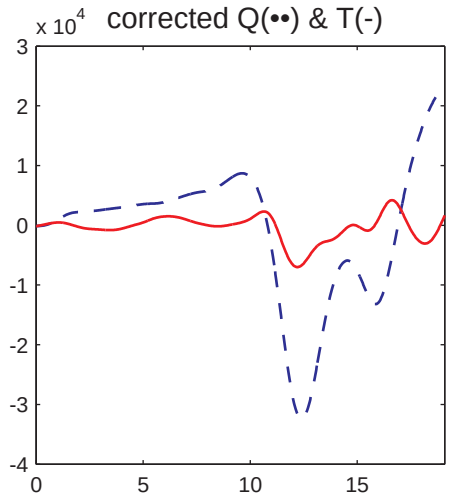
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **CDAG** Backazimuth: **283.2”** Distance: **107.37”**
init.Pol.: **98.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.6**

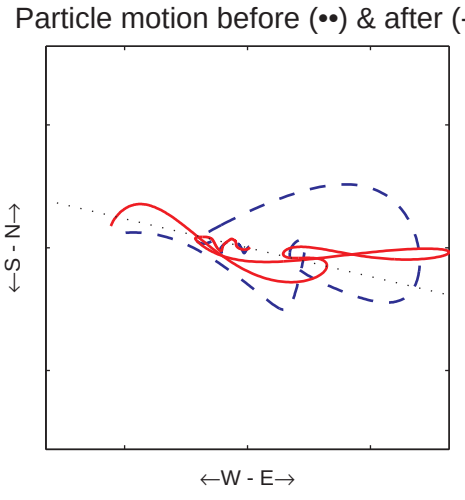
Rotation Correlation:	33<	42° <	55	0.7<0.8s<1.0
Minimum Energy:	46<	57° <	72	0.6<0.8s<1.0
Eigenvalue:	33<	49° <	64	0.6<0.8s<1.0

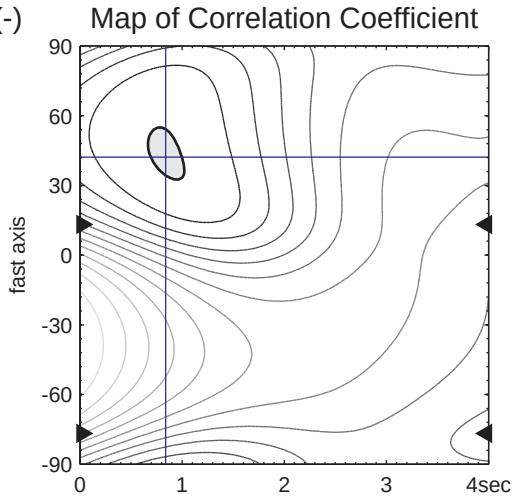
Quality: **fair** IsNull: **No** Phase: **SKS**

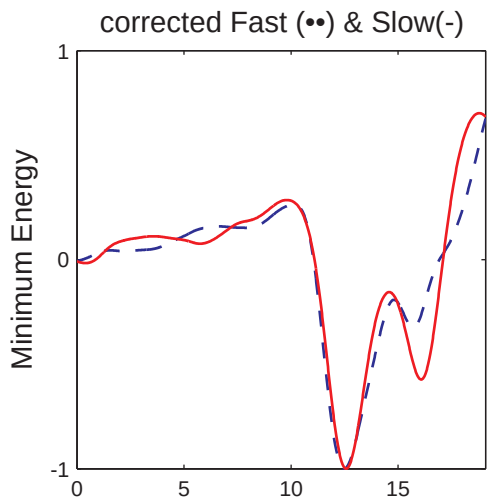


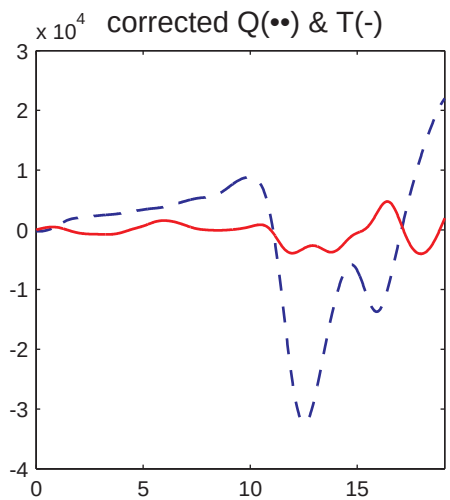


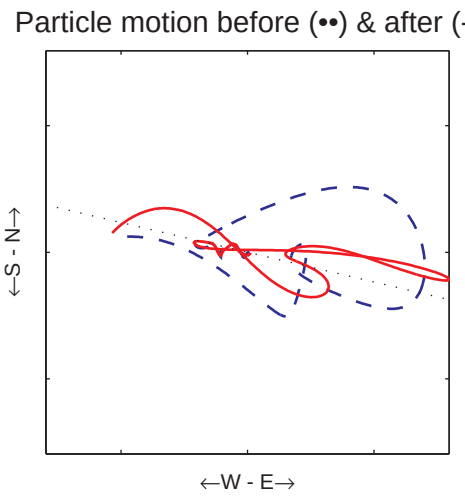


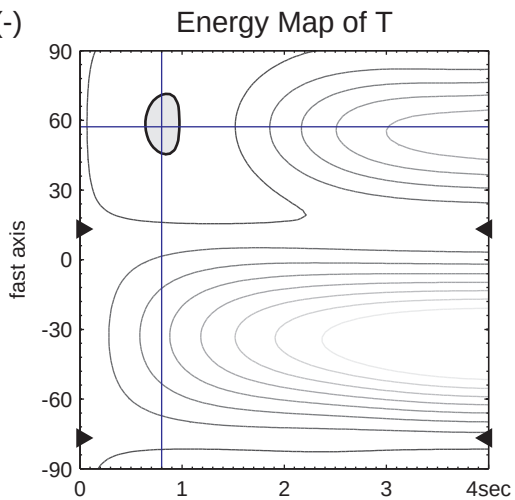


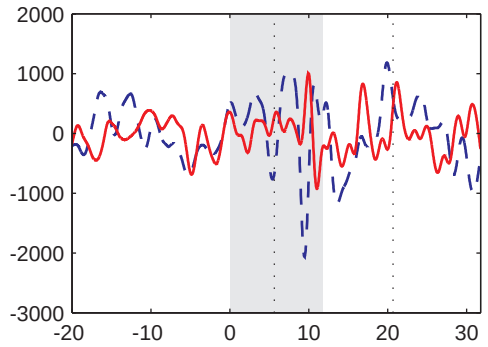








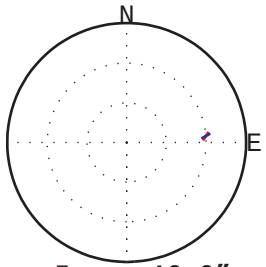




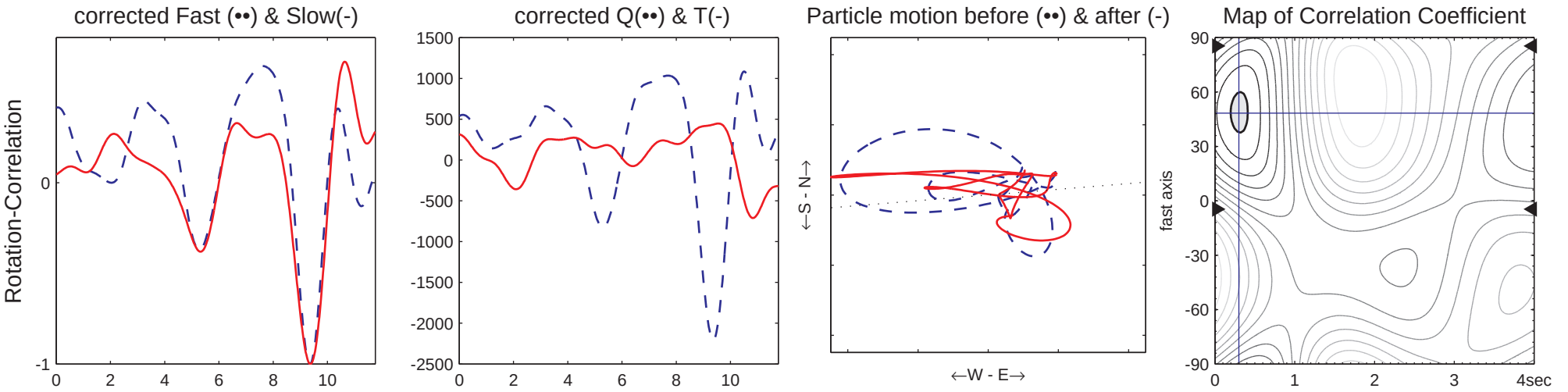
Event: **08-Oct-2010 (281) 05:43 2.83N 128.22E 120km Mw=6.2**
Station: **CDAG** Backazimuth: **85.4”** Distance: **91.15”**
init.Pol.: **276.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

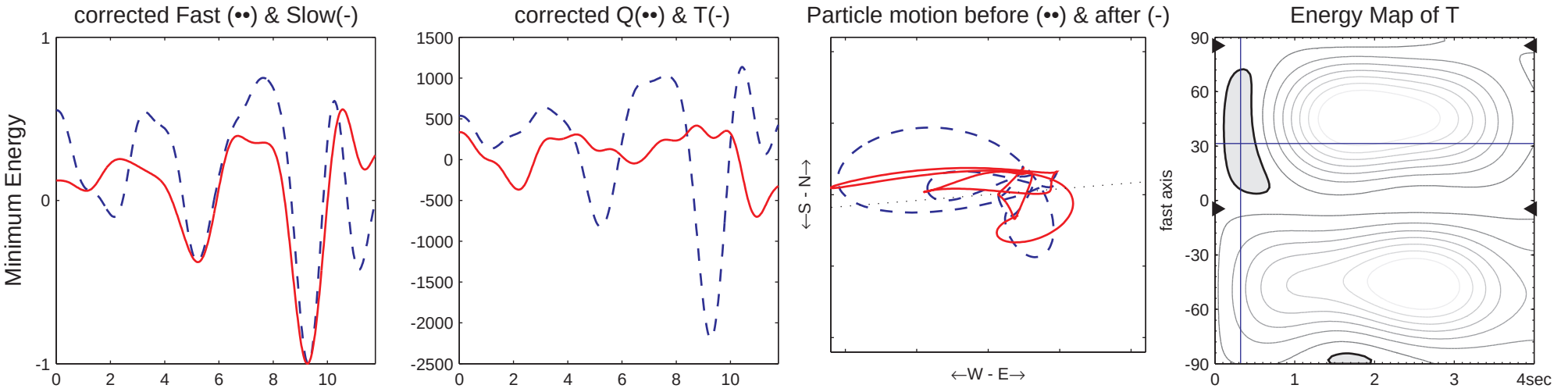
Rotation Correlation:	38<	48° <	60	0.2<0.3s<0.4
Minimum Energy:	3<	31° <	72	0.1<0.3s<0.7
Eigenvalue:	13<	61° <	-90	0.1<0.3s<0.6

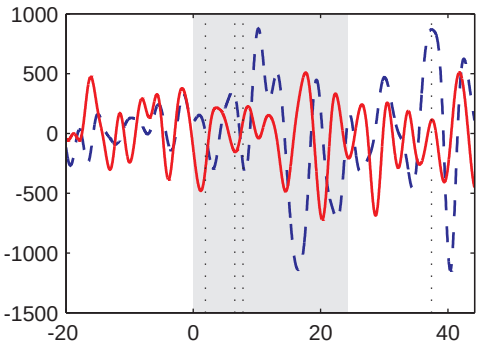
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.0”**



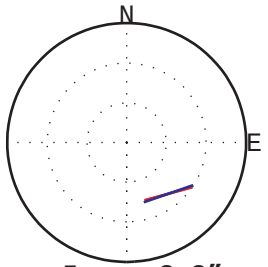




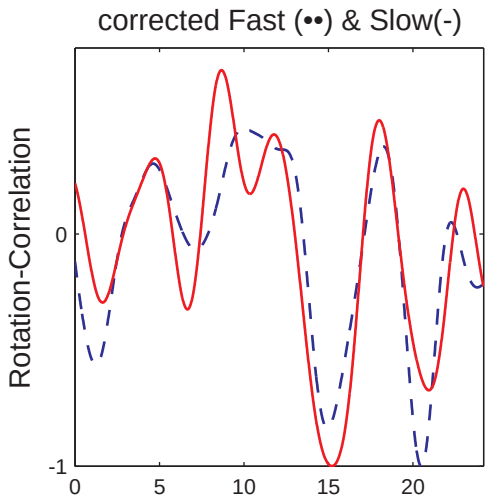
Event: **10-Nov-2010 (314) 04:05 -45.46N 96.39E 10km Mw=6.5**
Station: **CDAG** Backazimuth: **140.8”** Distance: **101.60”**
init.Pol.: **315.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

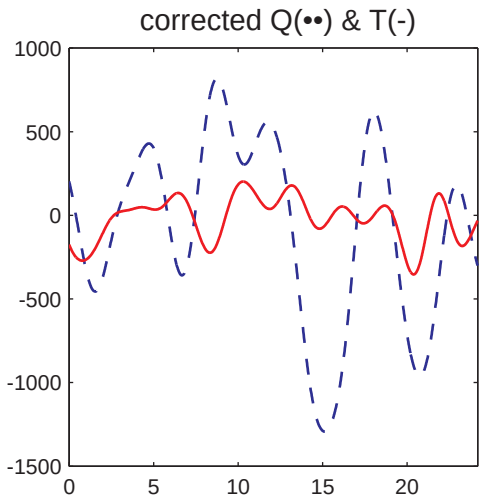
Rotation Correlation:	68<	74° <	84	1.3<1.6s<1.8
Minimum Energy:	70<	75° <	84	1.2<1.6s<1.9
Eigenvalue:	64<	71° <	82	1.3<1.6s<2.0

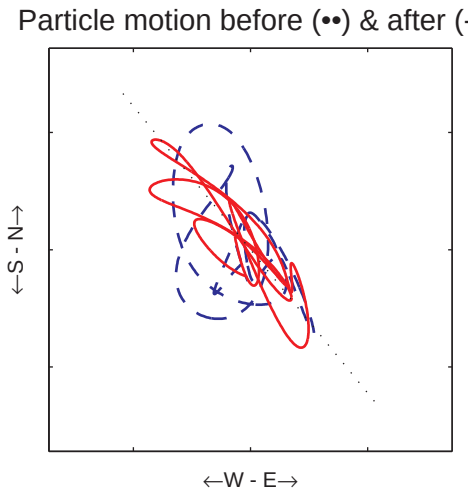
Quality: **good** IsNull: **No** Phase: **SKS**

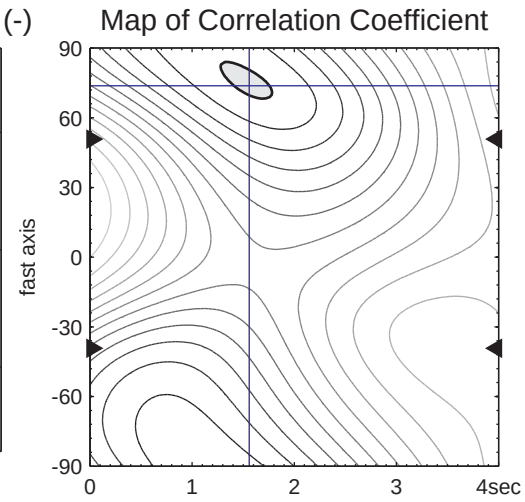


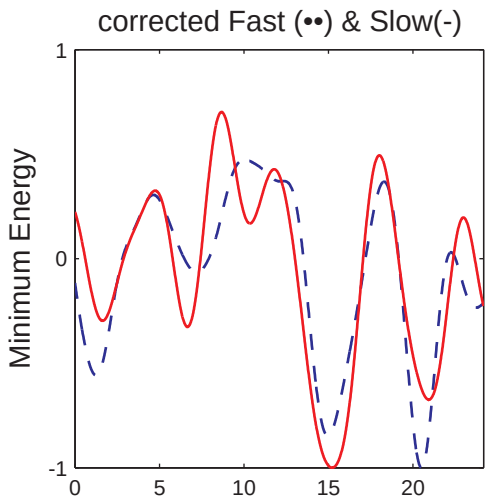
Inc = **8.3”**

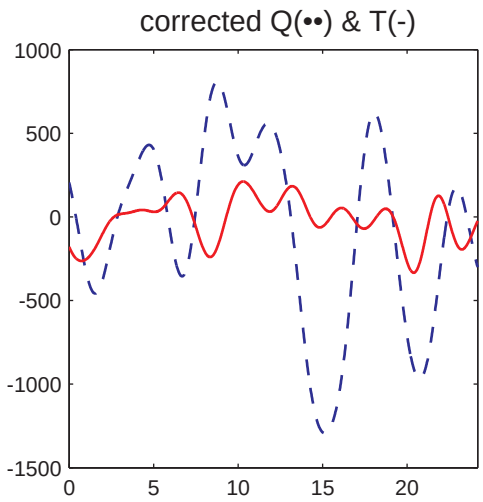


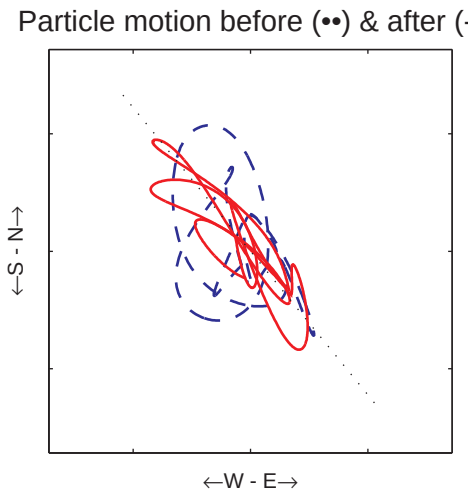


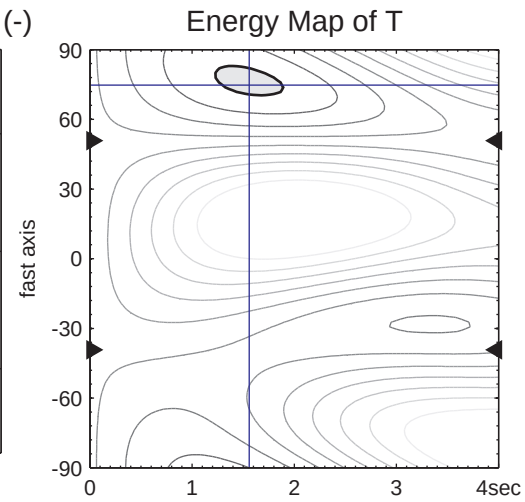


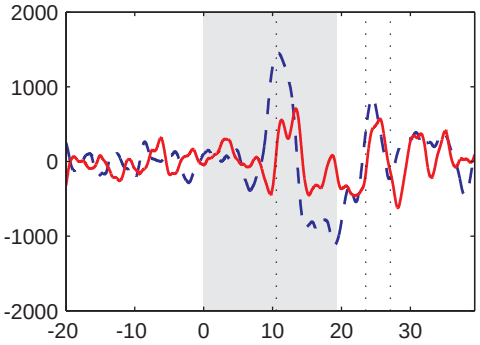








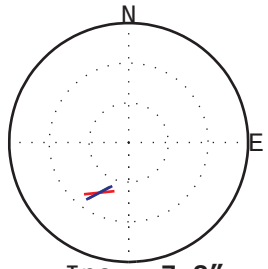




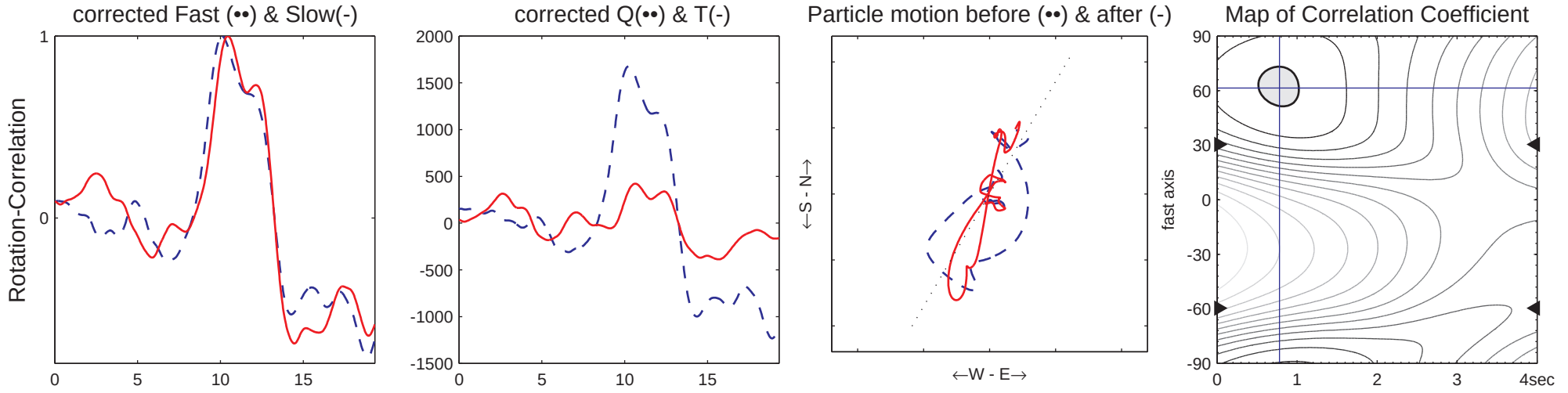
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **CDAG** Backazimuth: **210.4”** Distance: **108.60”**
init.Pol.: **17.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

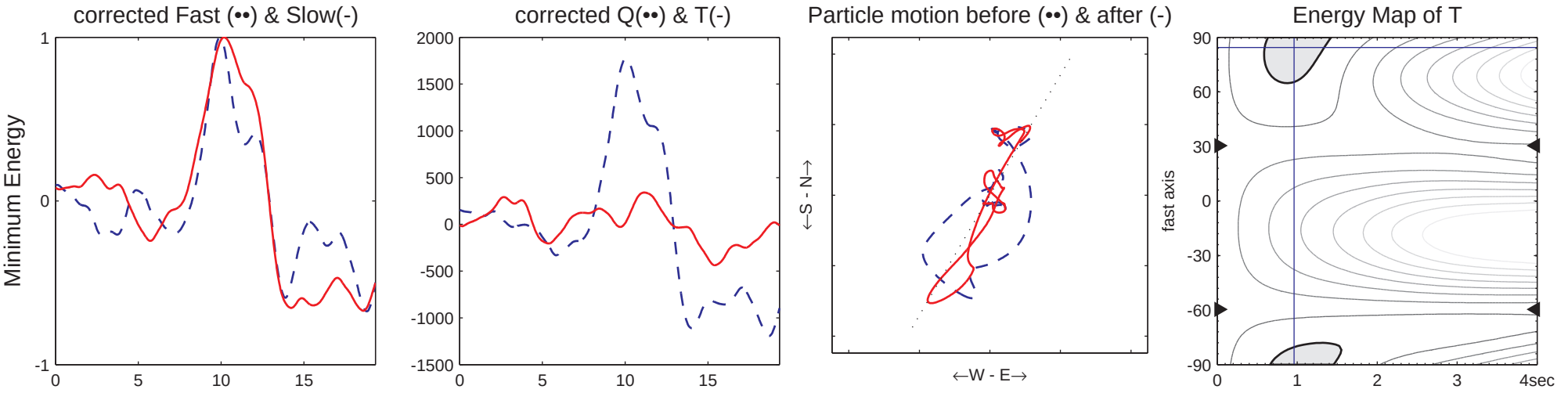
Rotation Correlation:	52<	61° <	73	0.5<0.8s<1.0
Minimum Energy:	66<	84° <	-80	0.6<1.0s<1.6
Eigenvalue:	50<	62° <	80	0.7<0.9s<1.1

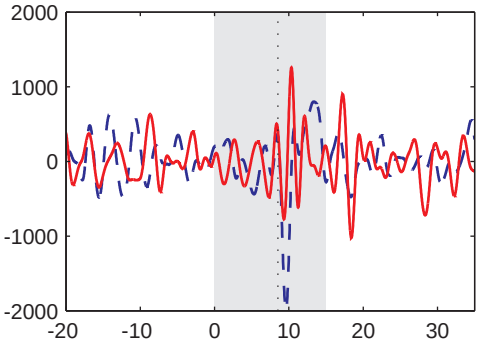
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.3”**



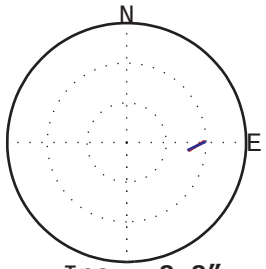


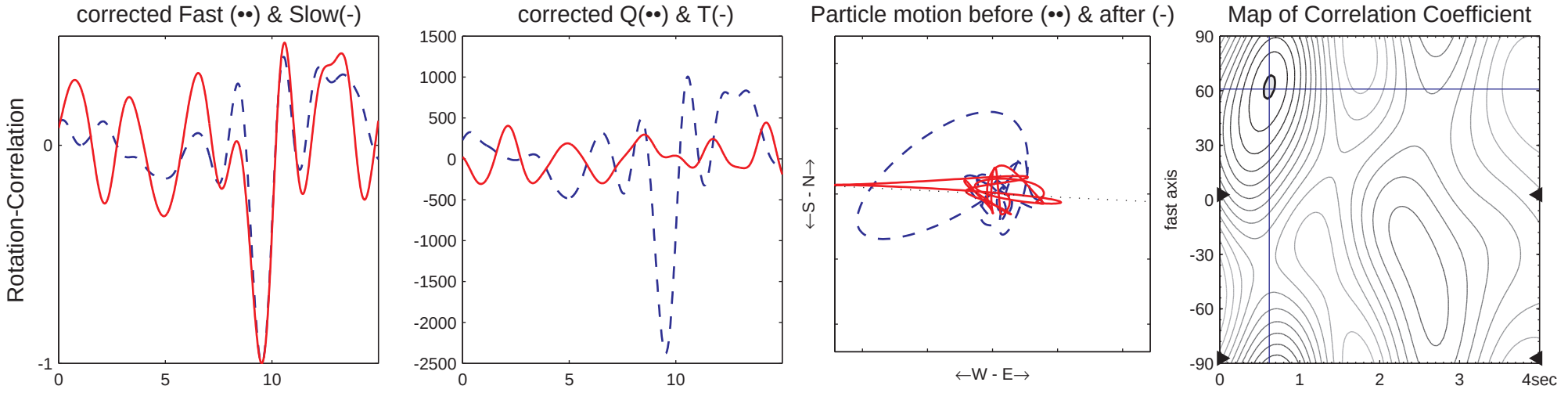


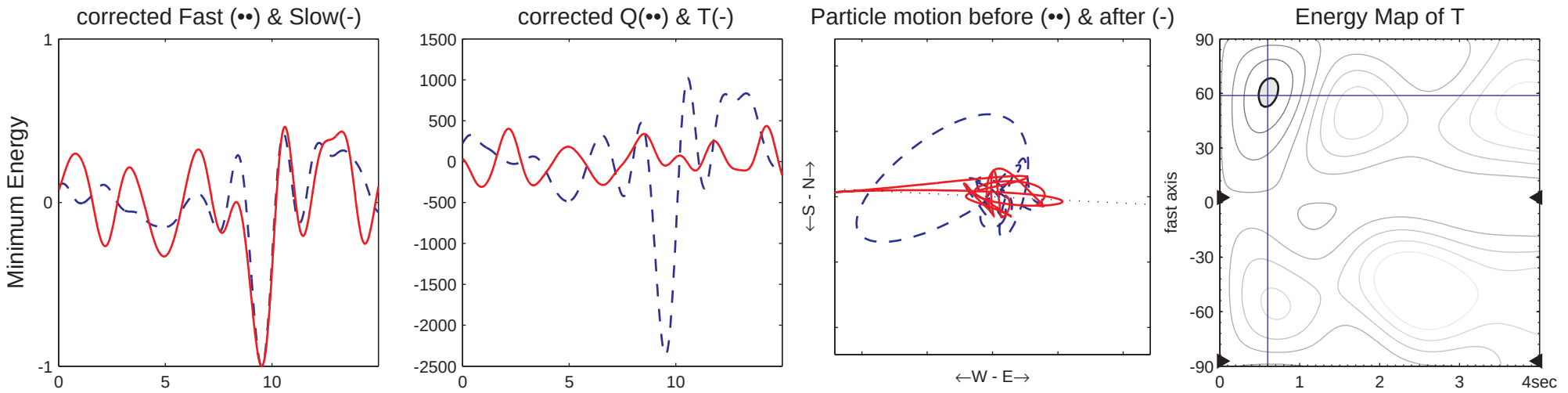
Event: **15-Dec-2010 (349) 11:29 -7.27N 128.79E 134km Mw=6.0**
Station: **CDAG** Backazimuth: **92.8”** Distance: **98.02”**
init.Pol.: **278.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.2**

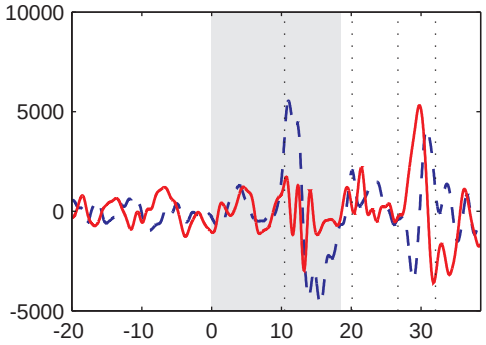
Rotation Correlation:	56<	61° <	69	0.6<0.6s<0.7
Minimum Energy:	54<	59° <	68	0.5<0.6s<0.7
Eigenvalue:	54<	65° <	76	0.5<0.6s<0.8

Quality: **good** IsNull: **No** Phase: **SKS**





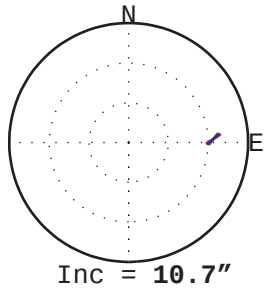


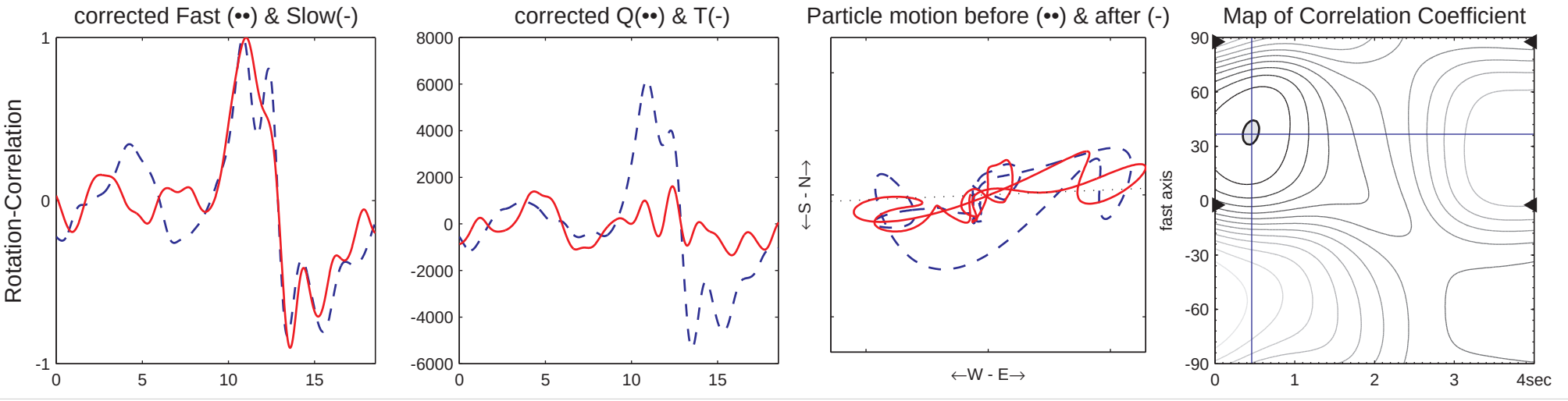


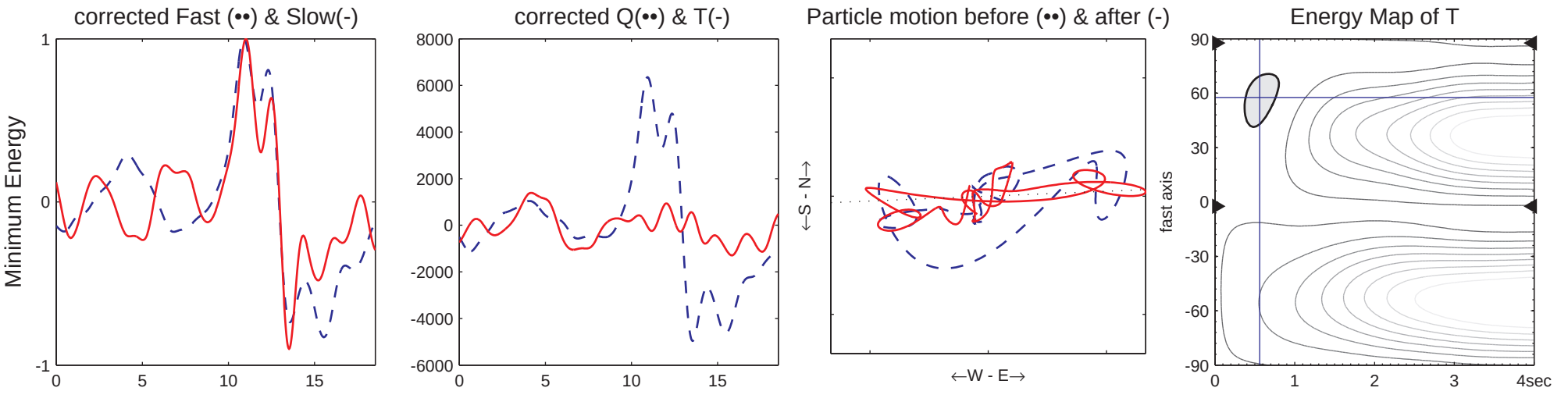
Event: **10-Feb-2011 (041) 14:39 4.20N 122.97E 523km Mw=6.5**
Station: **CDAG** Backazimuth: **87.7”** Distance: **86.25”**
init.Pol.: **259.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

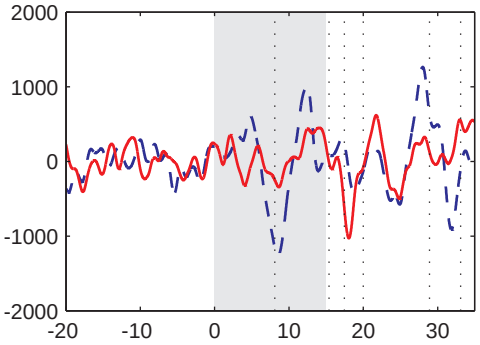
Rotation Correlation:	31<	37° <	45	0.4<0.5s<0.6
Minimum Energy:	41<	58° <	70	0.4<0.6s<0.8
Eigenvalue:	29<	48° <	62	0.3<0.5s<0.7

Quality: **fair** IsNull: **No** Phase: **SKS**





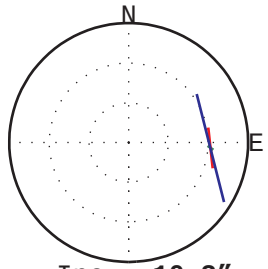




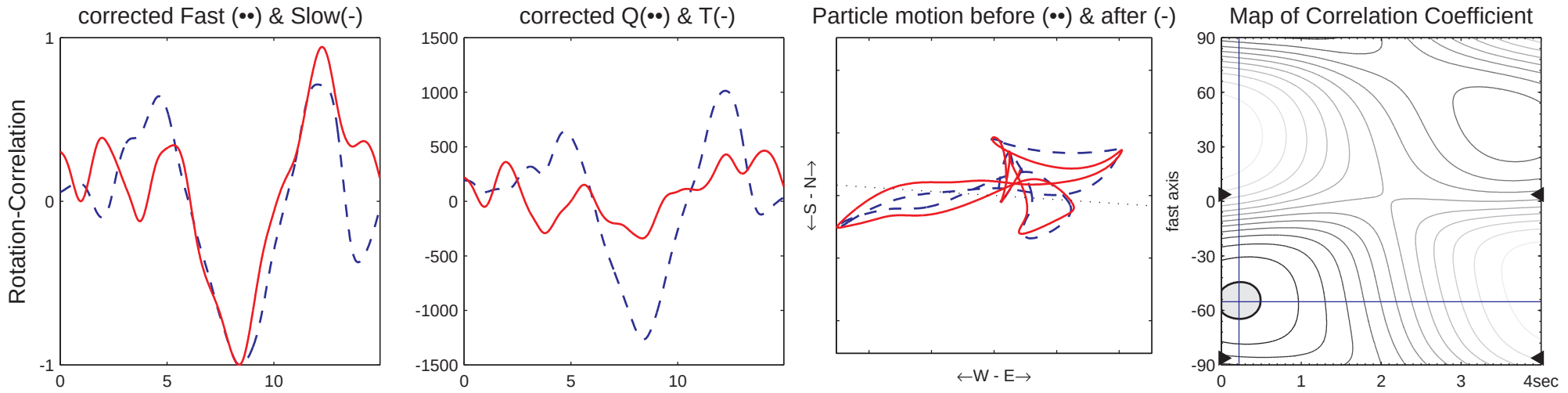
Event: **15-Feb-2011 (046) 13:33 -2.50N 121.48E 16km Mw=6.1**
Station: **CDAG** Backazimuth: **93.8”** Distance: **89.37”**
init.Pol.: **246.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.0**

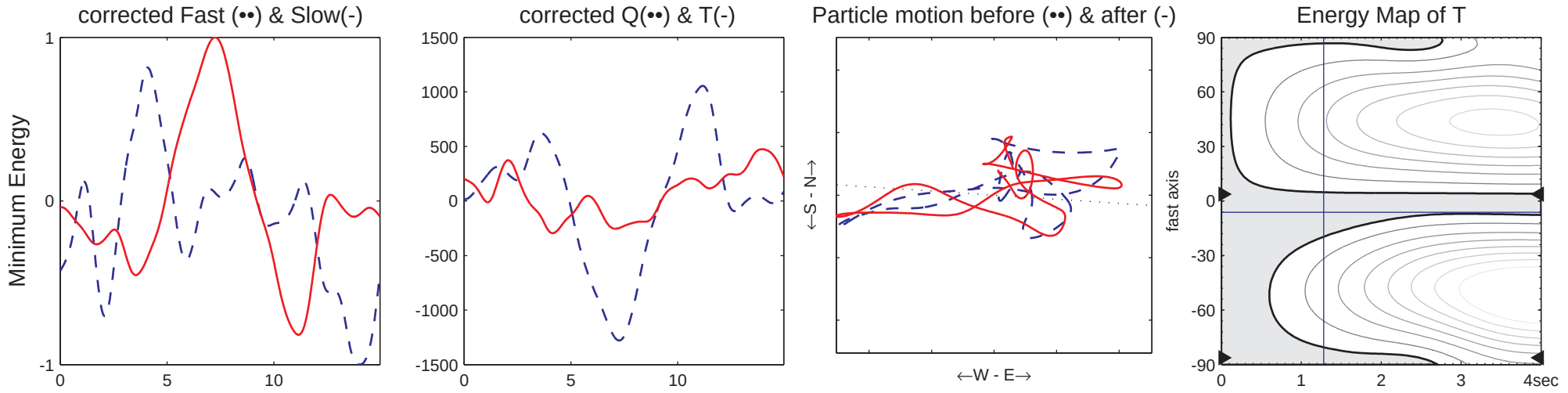
Rotation Correlation:	-66<	-55° <	-46 0.0<0.2s<0.5
Minimum Energy:	-Inf<	-6° <	Inf 0.0<1.3s<Inf
Eigenvalue:	-Inf<	-14° <	Inf 0.0<3.5s<Inf

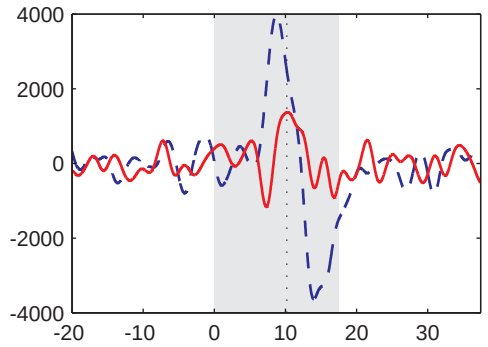
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.3”**



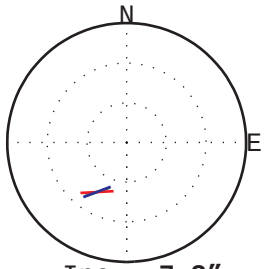




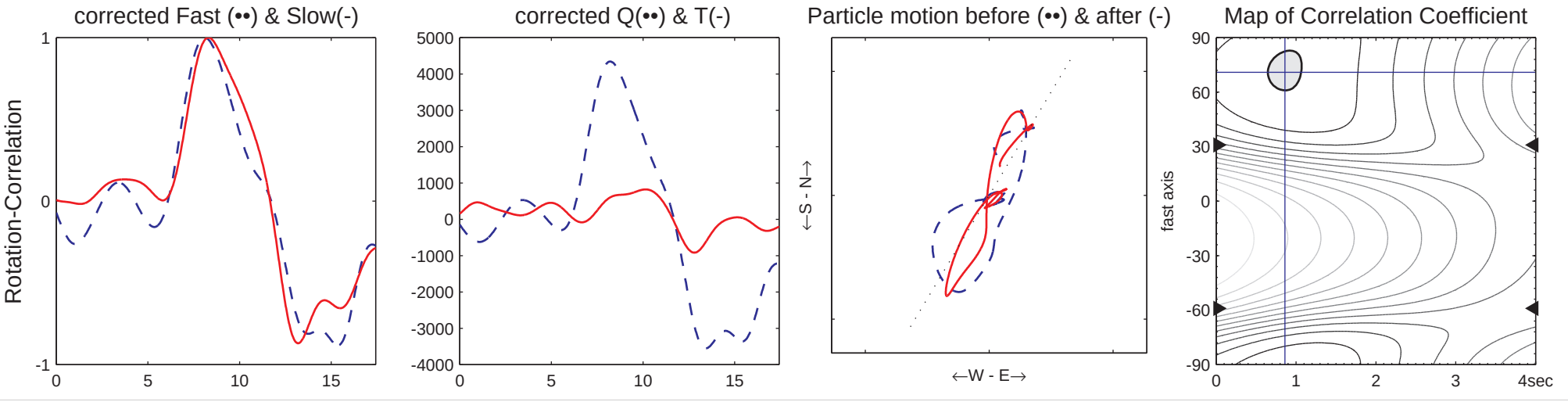
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **CDAG** Backazimuth: **210.9”** Distance: **109.12”**
init.Pol.: **23.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

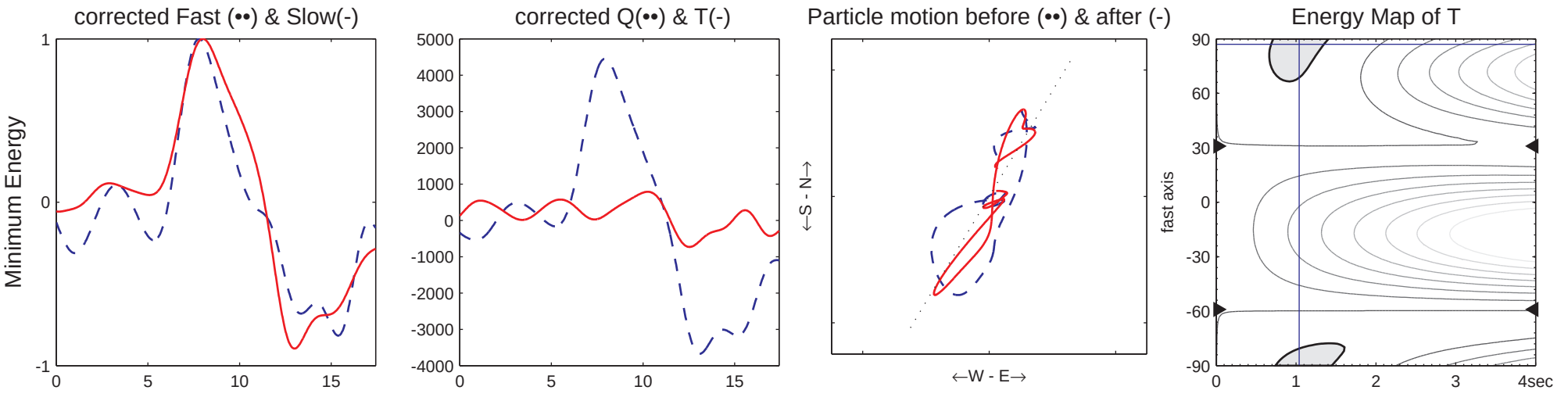
Rotation Correlation:	61<	71° <	83	0.6<0.9s<1.1
Minimum Energy:	66<	87° <	-80	0.7<1.0s<1.6
Eigenvalue:	52<	69° <	88	0.7<0.9s<1.1

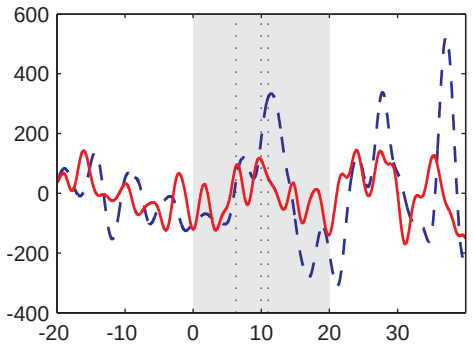
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.3”**



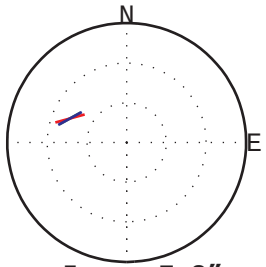


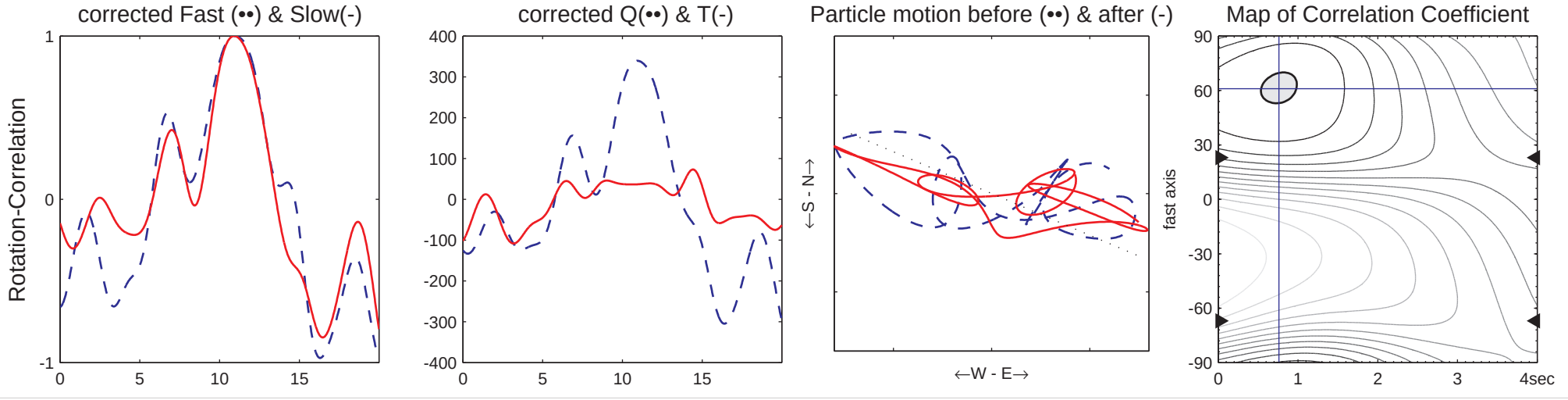


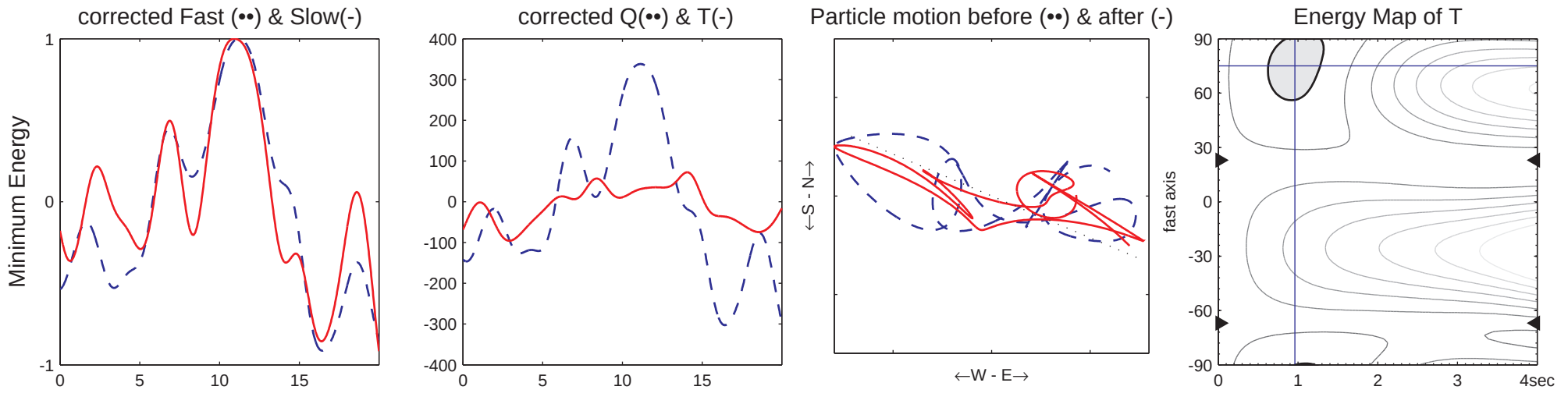
Event: **30-Apr-2011 (120) 08:19 6.85N -82.33E 8km Mw=6.1**
Station: **CDAG** Backazimuth: **293.0”** Distance: **105.52”**
init.Pol.: **101.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

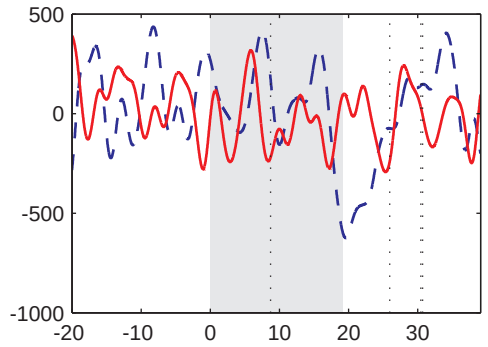
Rotation Correlation:	53<	61° <	70	0.5<0.8s<1.0
Minimum Energy:	56<	75° <	-90	0.6<1.0s<1.3
Eigenvalue:	43<	61° <	78	0.6<0.8s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





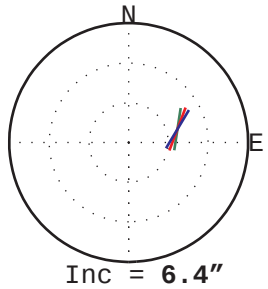


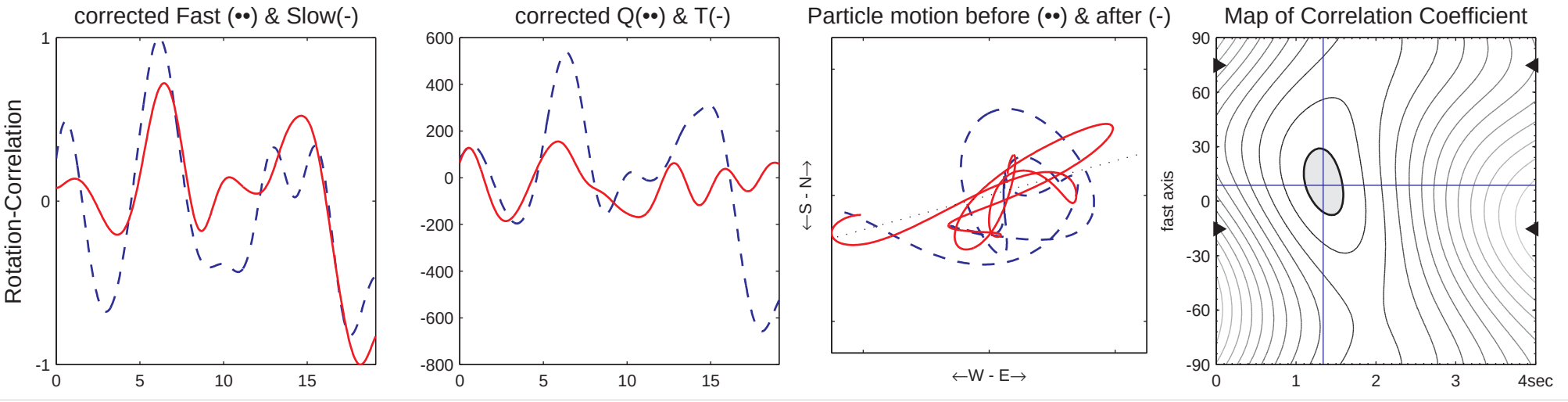


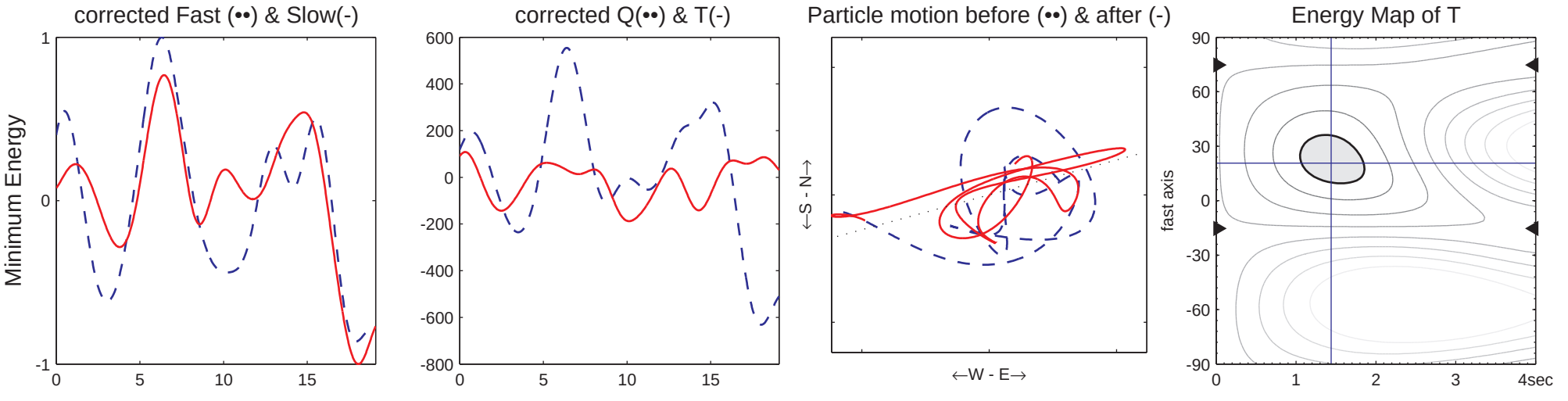
Event: **15-May-2011 (135) 18:37 -6.10N 154.41E 40km Mw=6.4**
Station: **CDAG** Backazimuth: **74.7”** Distance: **116.82”**
init.Pol.: **261.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

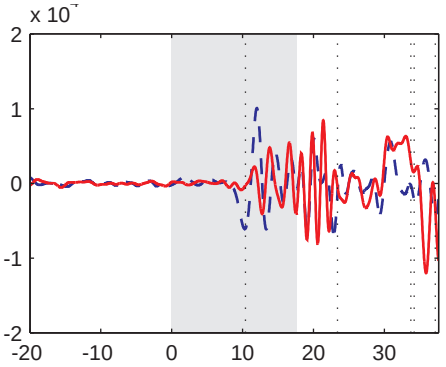
Rotation Correlation:	-8<	9° <	29	1.1<1.3s<1.6
Minimum Energy:	9<	21° <	35	1.0<1.4s<1.8
Eigenvalue:	5<	31° <	58	1.0<1.4s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





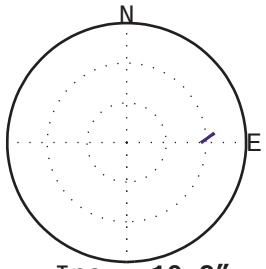


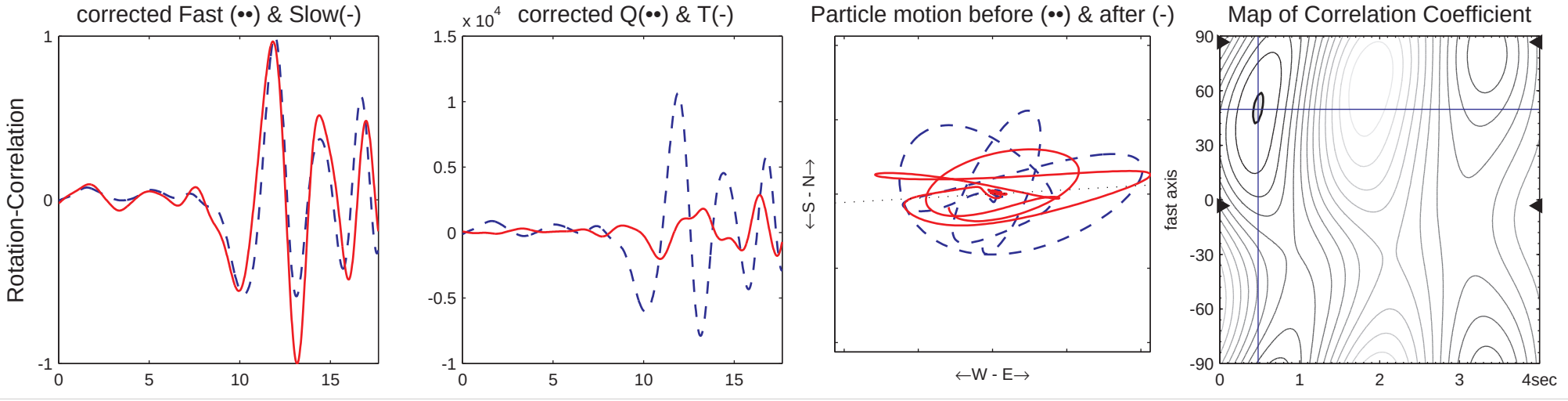


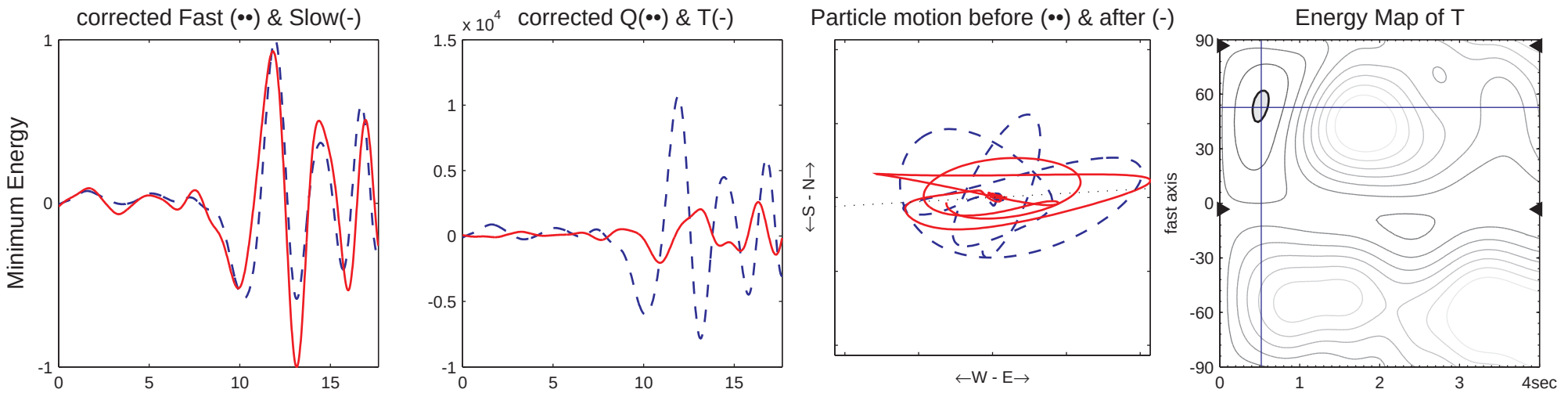
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **CDAG** Backazimuth: **86.7”** Distance: **90.00”**
init.Pol.: **270.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.1**

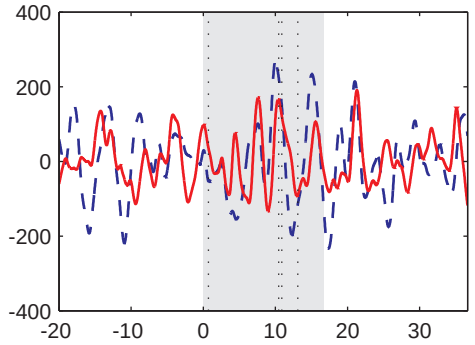
Rotation Correlation:	42<	50° <	59	0.4<0.5s<0.6
Minimum Energy:	46<	53° <	62	0.4<0.5s<0.6
Eigenvalue:	43<	57° <	70	0.4<0.5s<0.6

Quality: **good** IsNull: **No** Phase: **SKS**





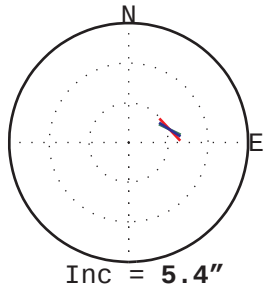


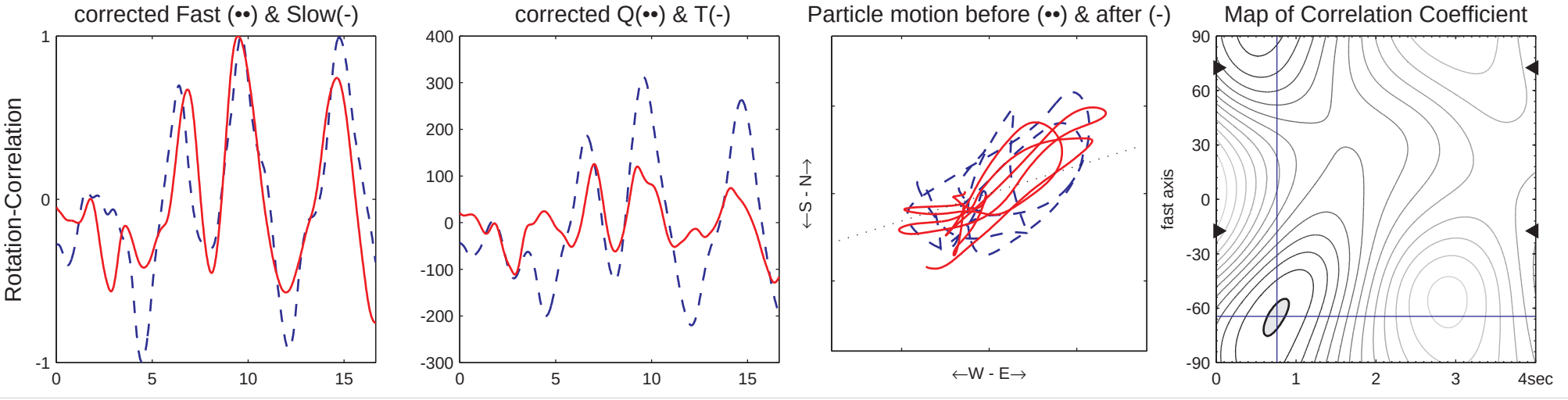


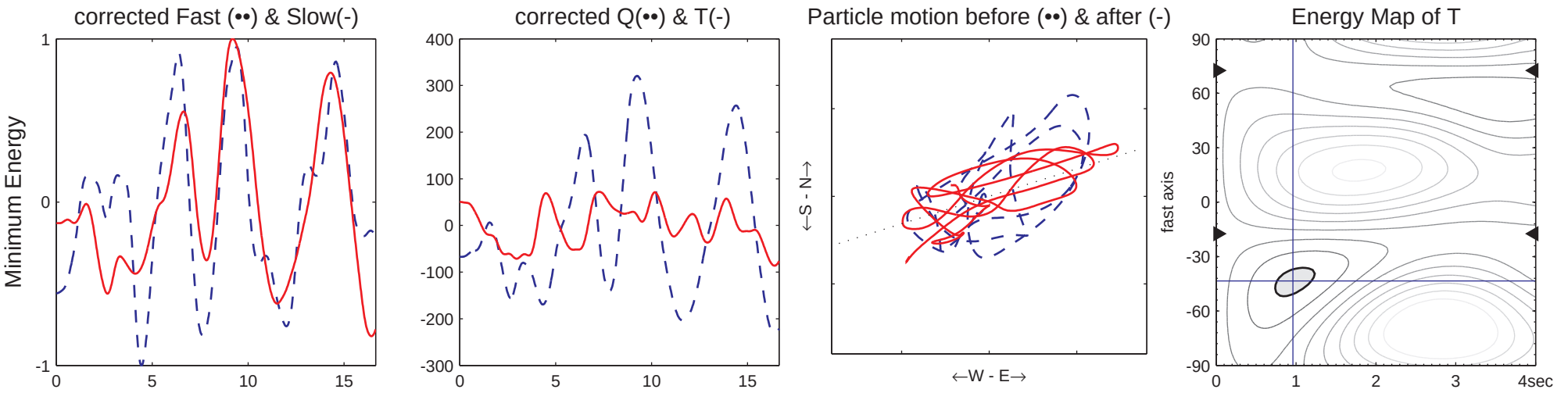
Event: **20-Jul-2011 (201) 22:04 -10.34N 162.01E 21km Mw=6.0**
Station: **CDAG** Backazimuth: **72.6”** Distance: **125.25”**
init.Pol.: **238.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

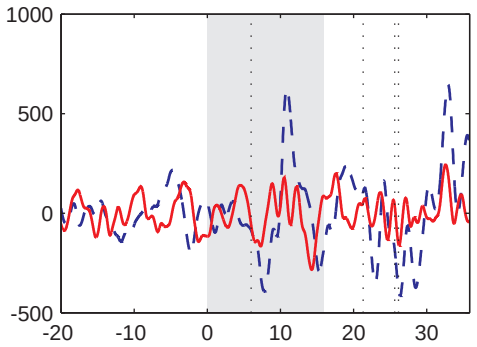
Rotation Correlation:	-76<	-64° <	-56	0.6<0.8s<0.9
Minimum Energy:	-54<	-43° <	-37	0.7<1.0s<1.2
Eigenvalue:	-76<	-57° <	-46	0.5<0.8s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





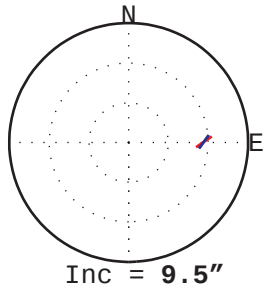


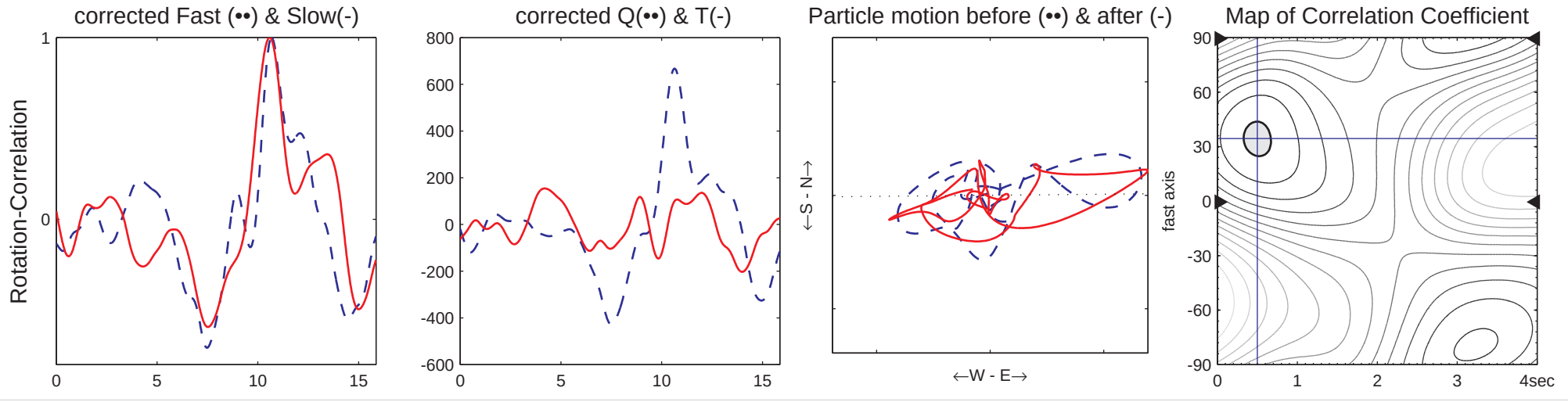


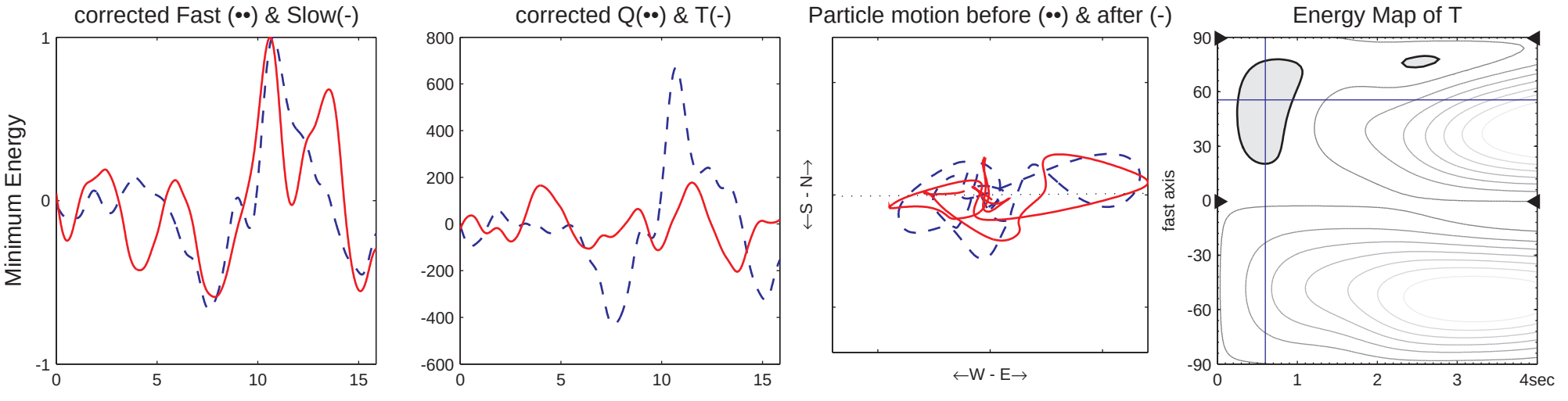
Event: **16-Aug-2011 (228) 11:03 -2.33N 128.00E 35km Mw=6.1**
Station: **CDAG** Backazimuth: **89.5”** Distance: **94.28”**
init.Pol.: **260.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

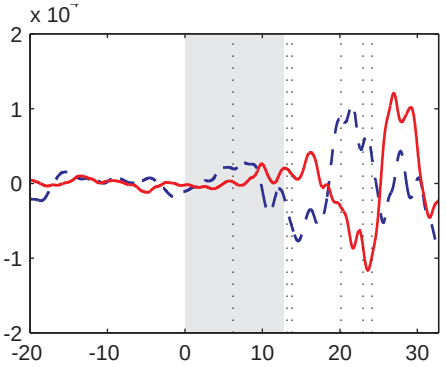
Rotation Correlation:	25<	34° <	44	0.3<0.5s<0.7
Minimum Energy:	21<	55° <	78	0.2<0.6s<1.1
Eigenvalue:	-7<	37° <	72	0.2<0.5s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





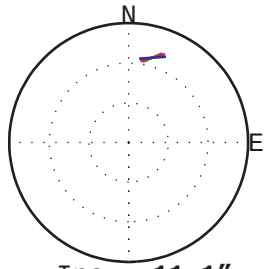




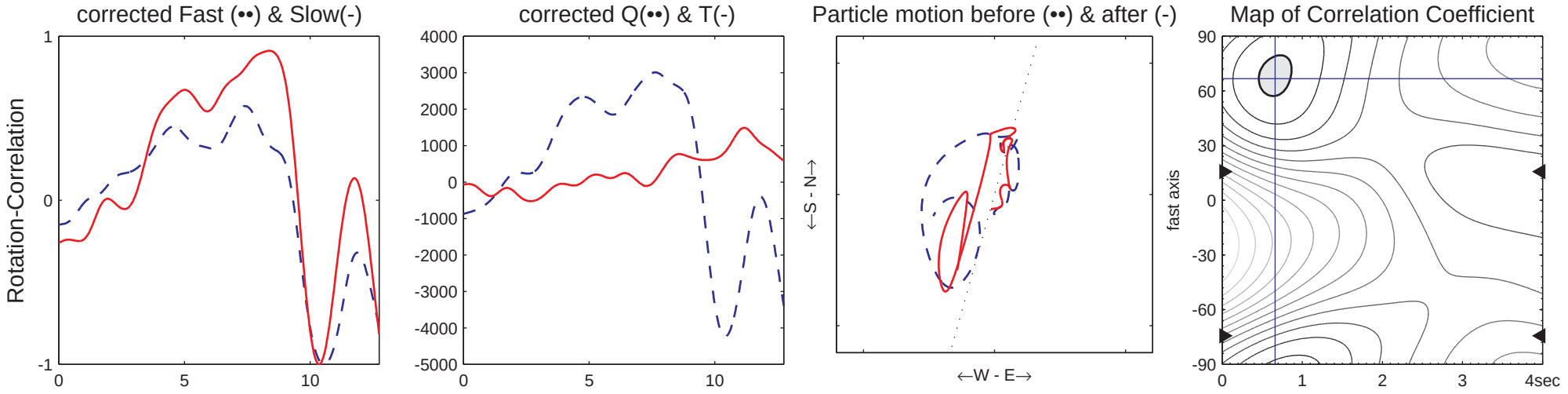
Event: **02-Sep-2011 (245) 10:55 52.17N -171.71E 32km Mw=6.9**
Station: **CDAG** Backazimuth: **15.7”** Distance: **85.45”**
init.Pol.: **206.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

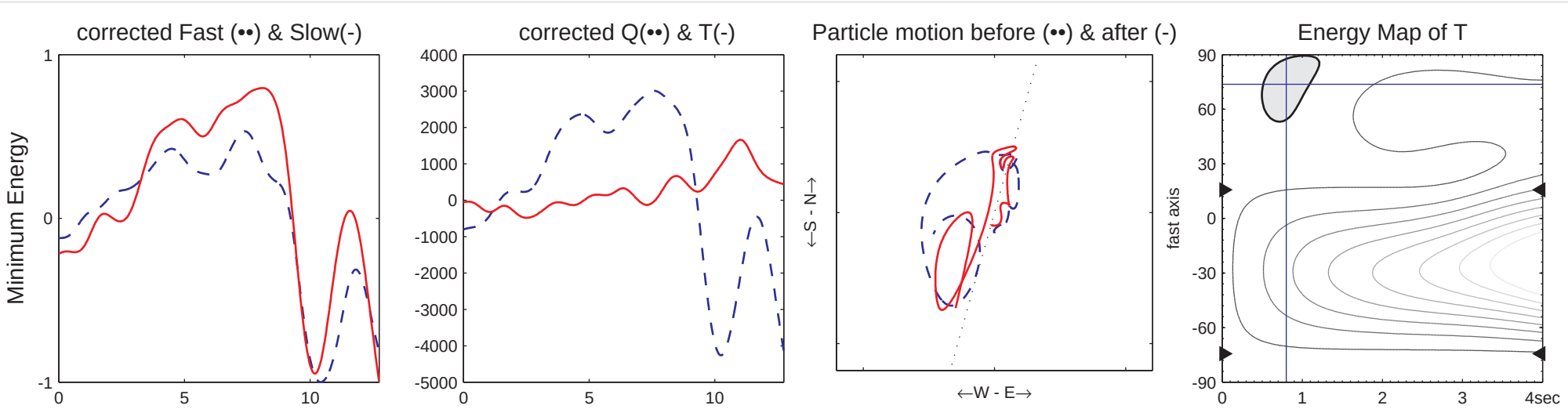
Rotation Correlation:	57<	67° <	80	0.4<0.7s<0.9
Minimum Energy:	54<	74° <	-92	0.5<0.8s<1.2
Eigenvalue:	70<	86° <	-84	0.6<0.8s<1.1

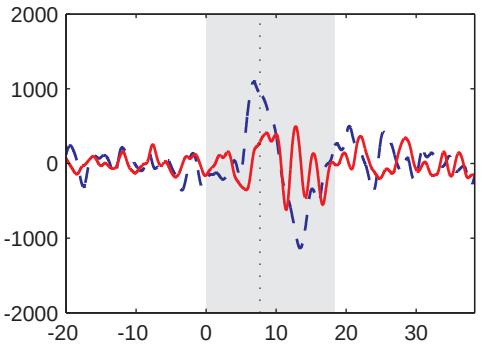
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **11.1”**



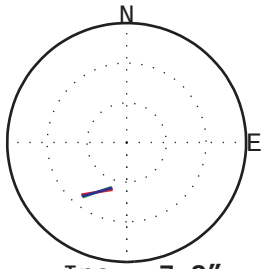




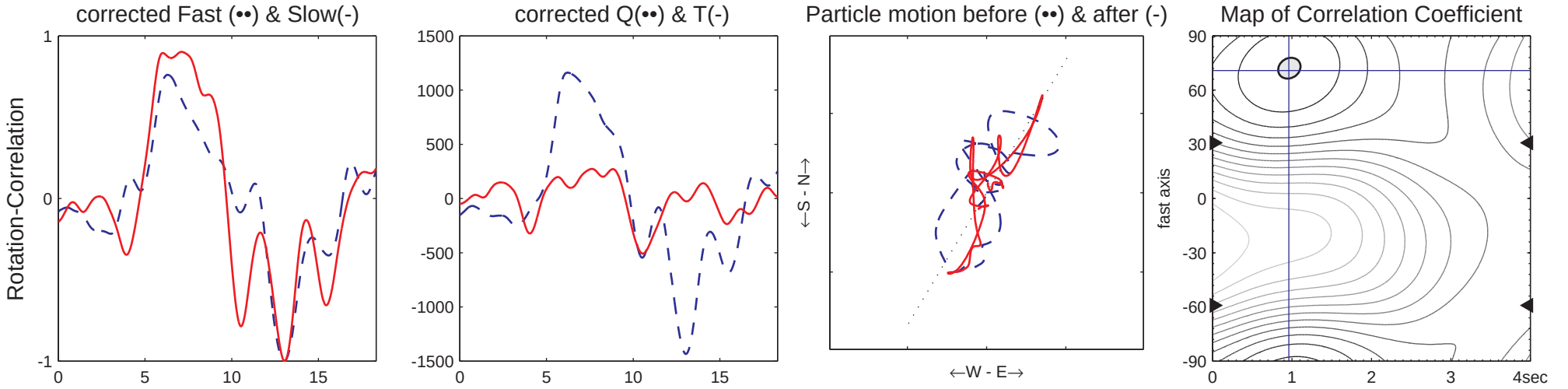
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **CDAG** Backazimuth: **210.8”** Distance: **109.06”**
init.Pol.: **22.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

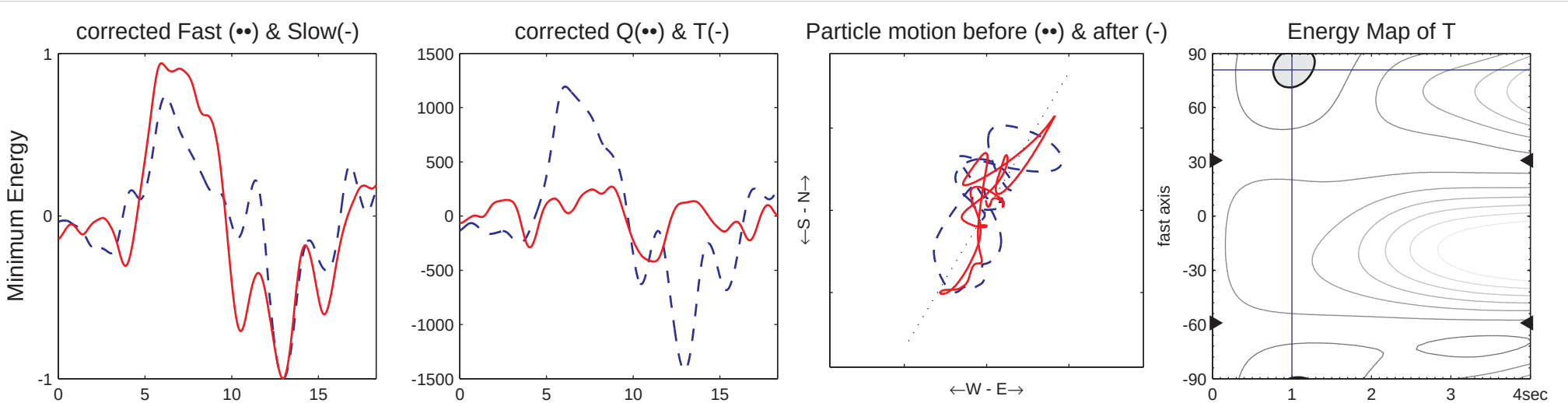
Rotation Correlation:	66<	71° <	78	0.8<1.0s<1.1
Minimum Energy:	72<	81° <	-90	0.8<1.0s<1.3
Eigenvalue:	64<	75° <	86	0.8<1.0s<1.2

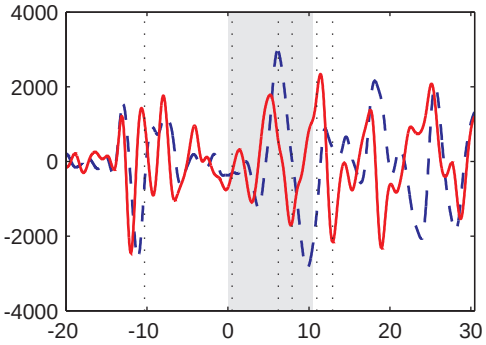
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.3”**



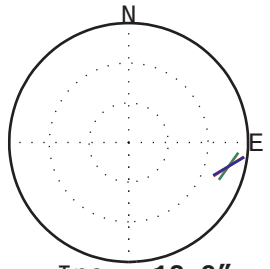




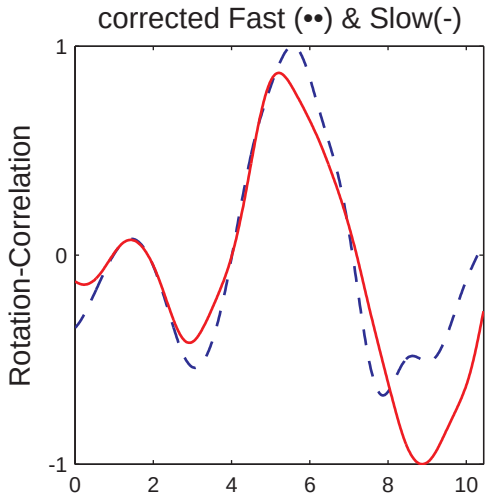
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **CDAG** Backazimuth: **103.4”** Distance: **88.54”**
init.Pol.: **284.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

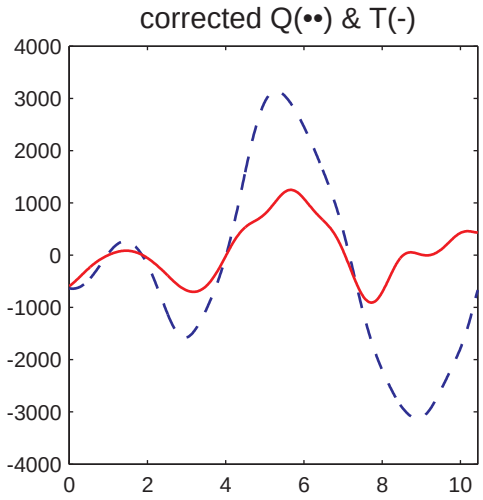
Rotation Correlation:	12<	35° <	68	0.6<1.0s<1.5
Minimum Energy:	41<	57° <	72	0.8<1.1s<1.4
Eigenvalue:	23<	59° <	-90	0.8<1.1s<1.6

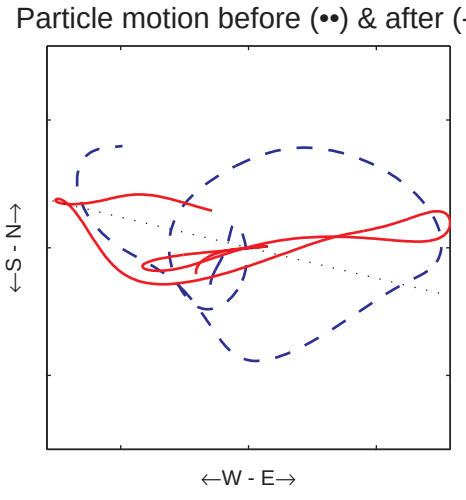
Quality: **fair** IsNull: **No** Phase: **SKKS**

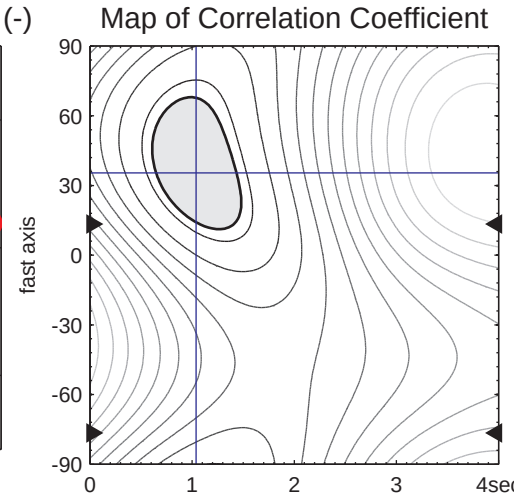


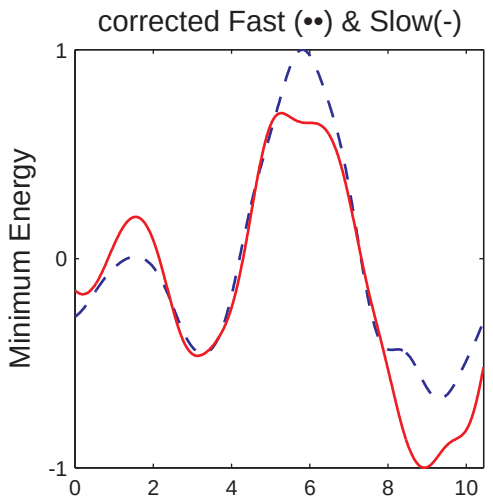
Inc = **12.9”**

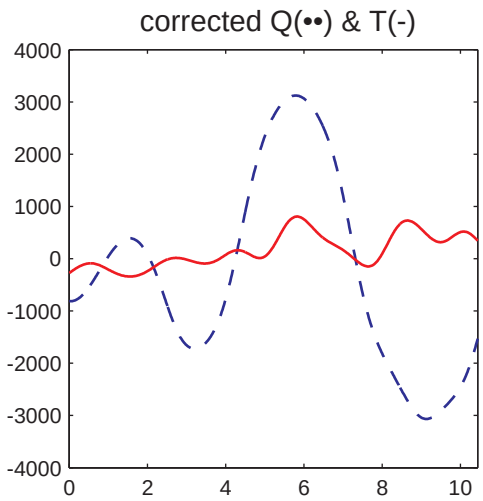


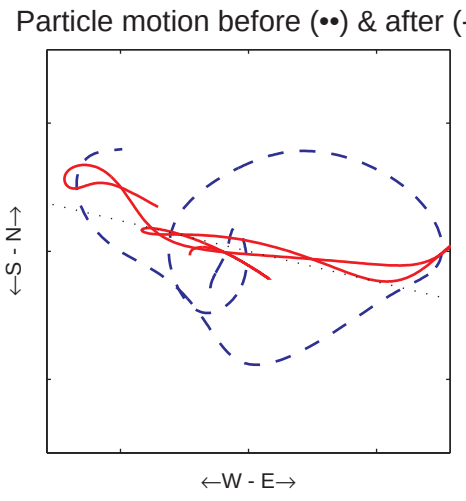


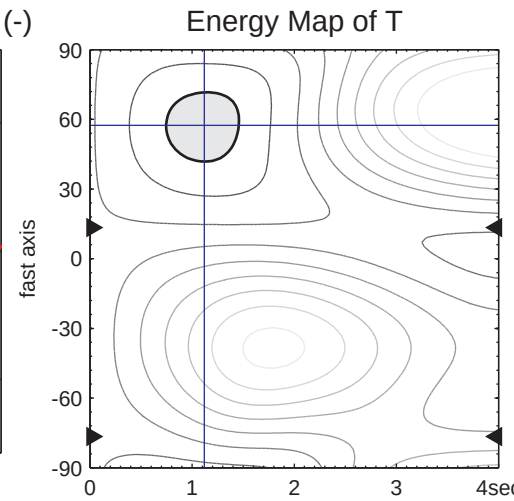


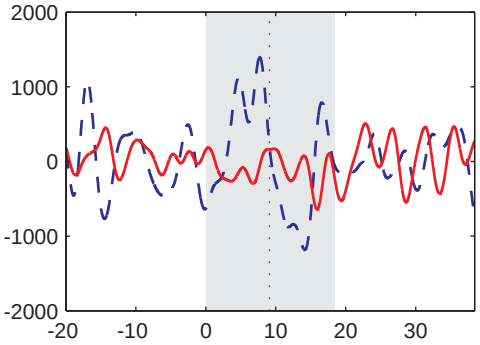








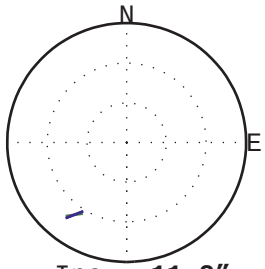




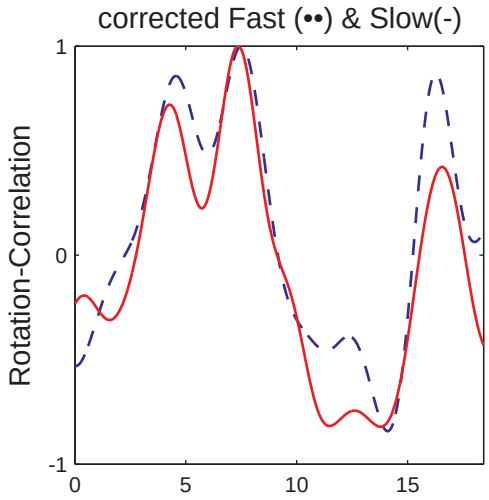
Event: **15-Jan-2012 (015) 13:40 -60.95N -56.11E 8km Mw=6.6**
Station: **CDAG** Backazimuth: **215.9”** Distance: **124.10”**
init.Pol.: **37.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

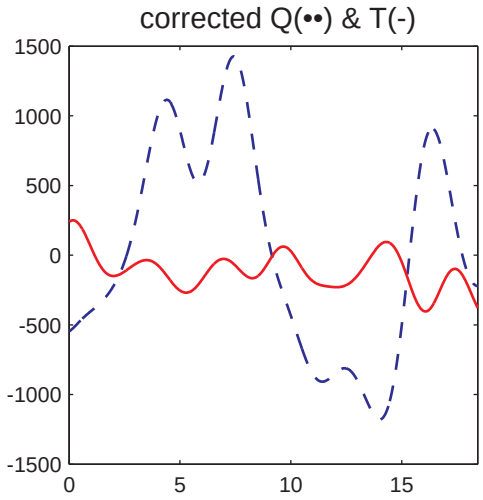
Rotation Correlation:	71<	82° < -87	0.3<0.5s<0.8
Minimum Energy:	50<	70° < -76	0.2<0.6s<1.0
Eigenvalue:	48<	68° < -78	0.3<0.6s<1.1

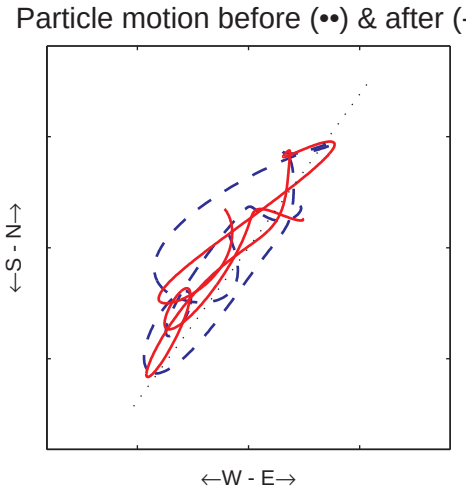
Quality: **fair** IsNull: **No** Phase: **SKKS**

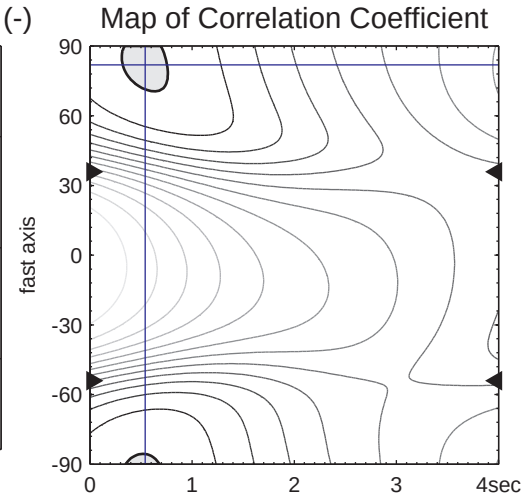


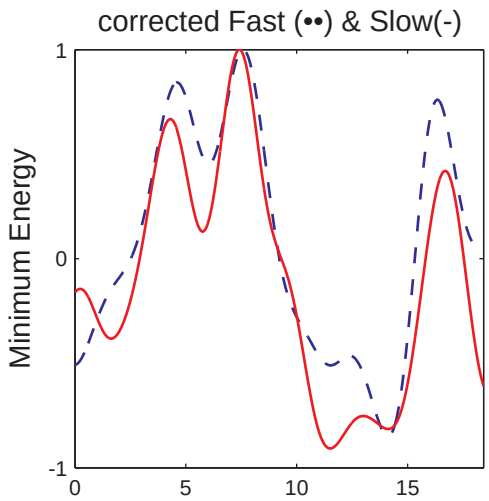
Inc = **11.2”**

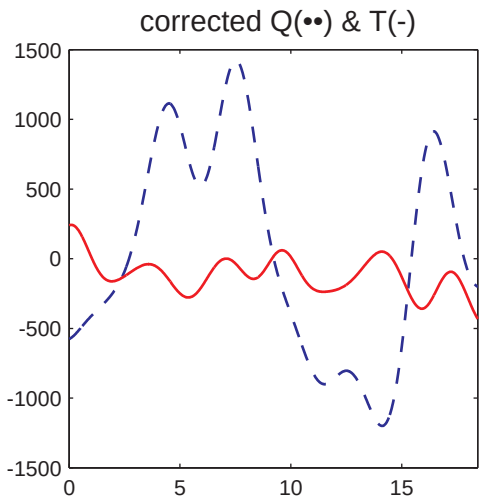


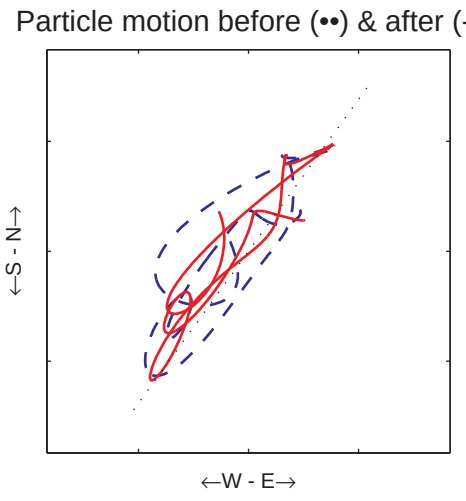


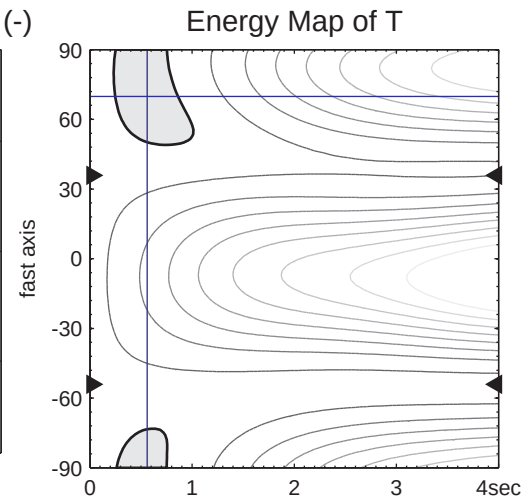


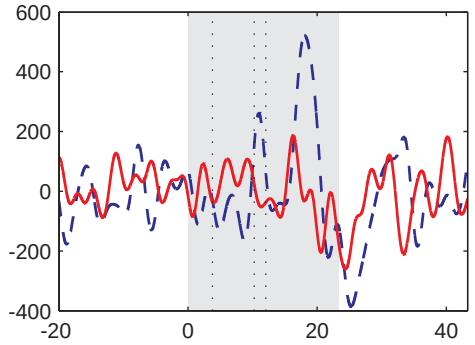








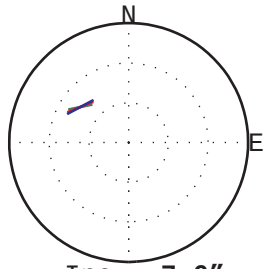




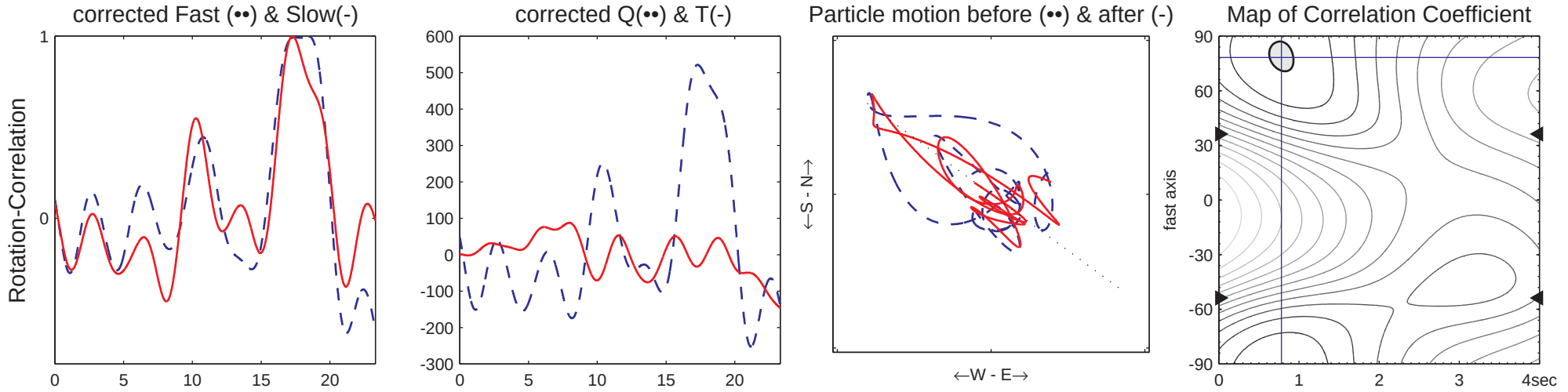
Event: **01-May-2012 (122) 22:43 14.38N -92.90E 14km Mw=6.0**
Station: **CDAG** Backazimuth: **306.3”** Distance: **107.07”**
init.Pol.: **121.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

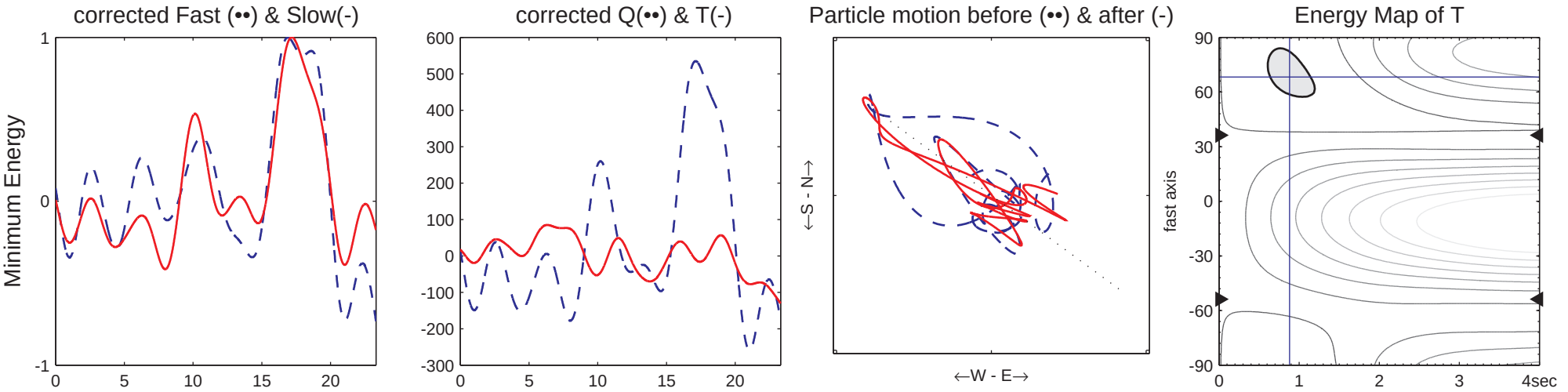
Rotation Correlation:	71<	78° <	87	0.6<0.8s<0.9
Minimum Energy:	58<	68° <	84	0.6<0.9s<1.2
Eigenvalue:	50<	62° <	80	0.7<0.9s<1.3

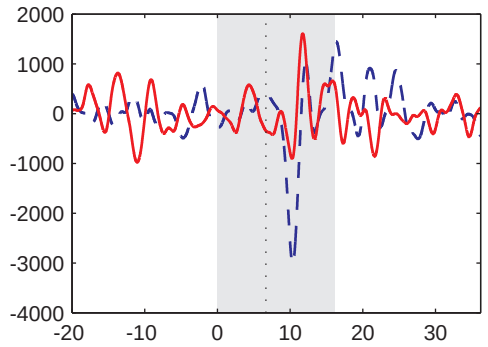
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.6”**



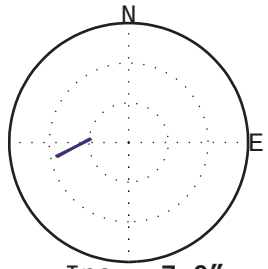




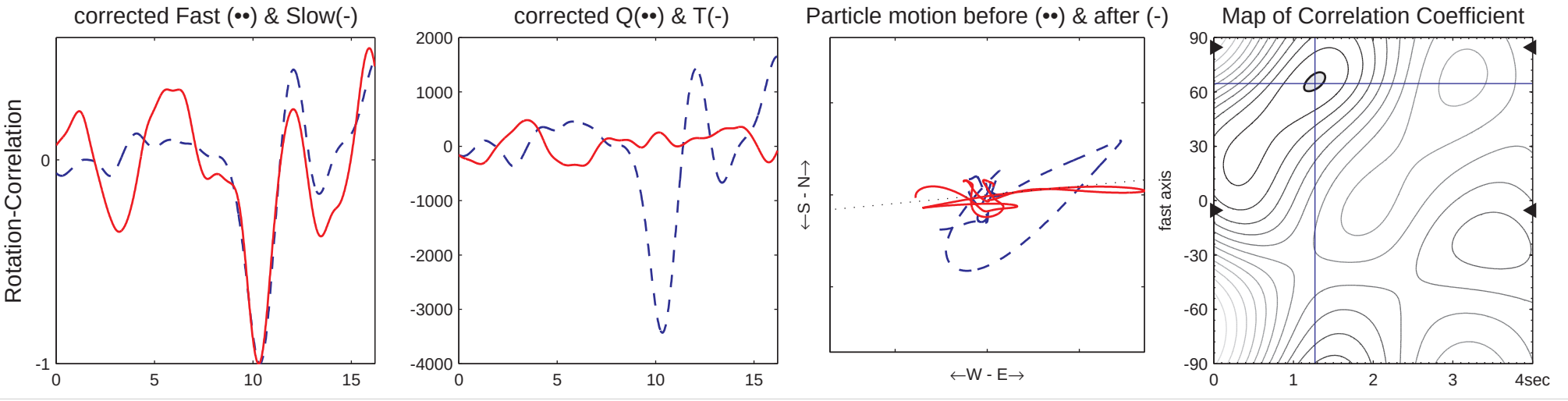
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **CDAG** Backazimuth: **264.6”** Distance: **111.76”**
init.Pol.: **86.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.4**

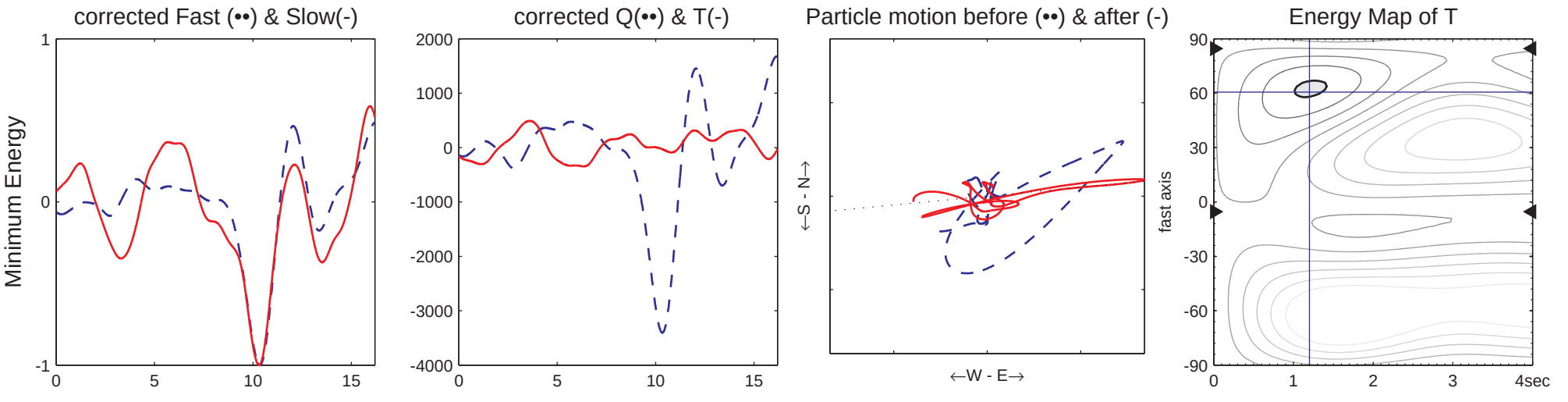
Rotation Correlation:	61<	65° <	71	1.1<1.3s<1.4
Minimum Energy:	58<	61° <	68	1.0<1.2s<1.4
Eigenvalue:	58<	63° <	72	1.0<1.2s<1.4

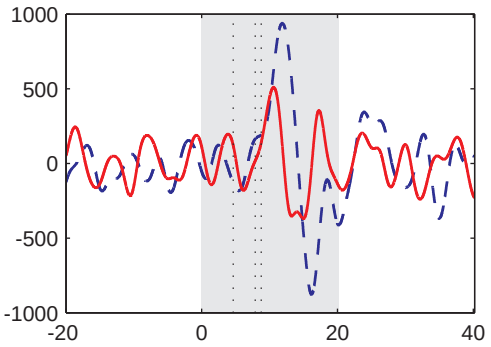
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



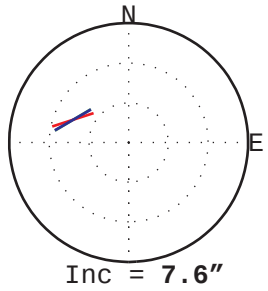


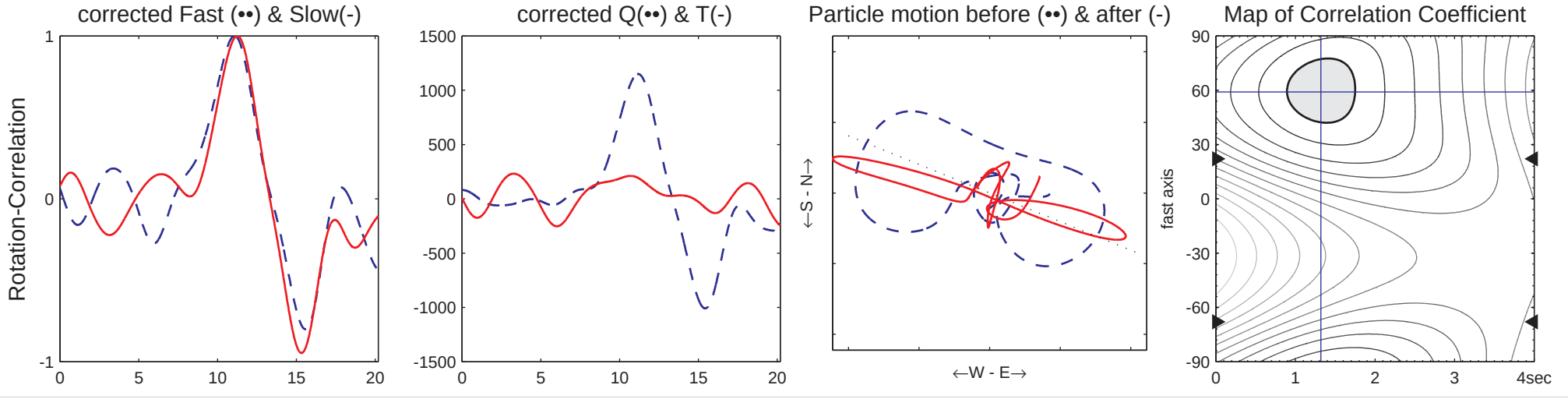


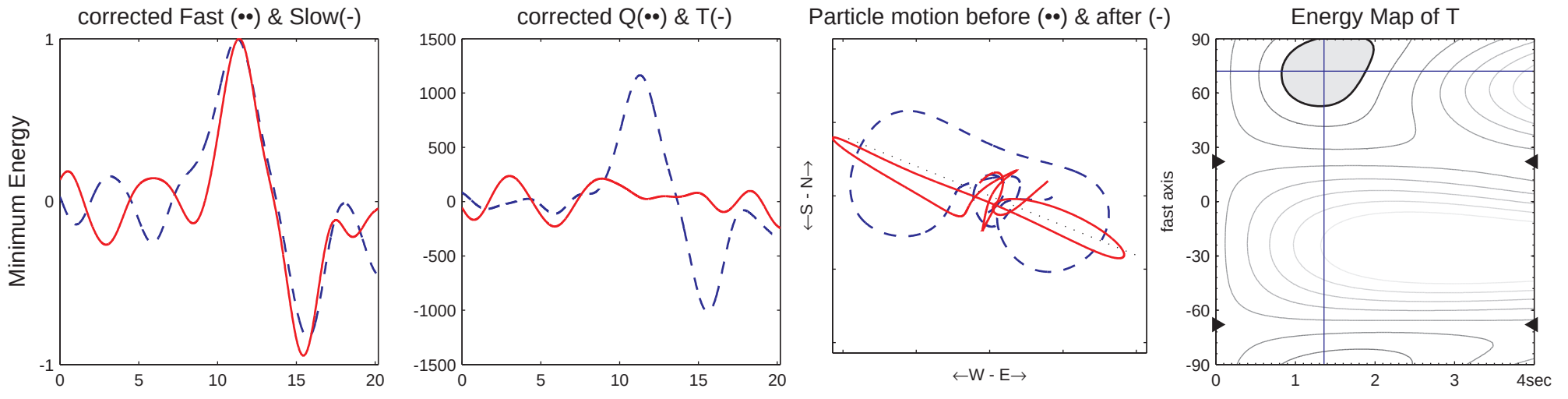
Event: **04-Jun-2012 (156) 00:45 5.30N -82.63E 7km Mw=6.3**
Station: **CDAG** Backazimuth: **292.1”** Distance: **106.81”**
init.Pol.: **104.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.7**

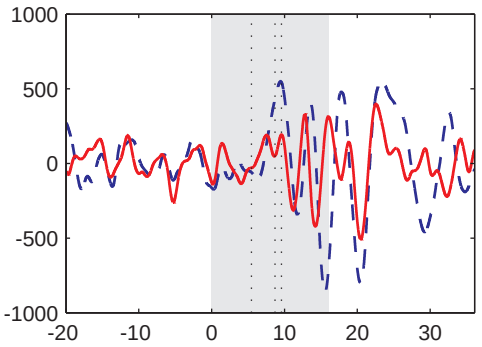
Rotation Correlation:	42<	59° <	78	0.9<1.3s<1.8
Minimum Energy:	54<	72° <	-92	0.8<1.4s<2.0
Eigenvalue:	35<	60° <	86	0.8<1.3s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





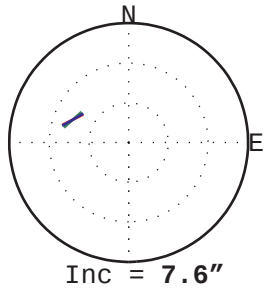


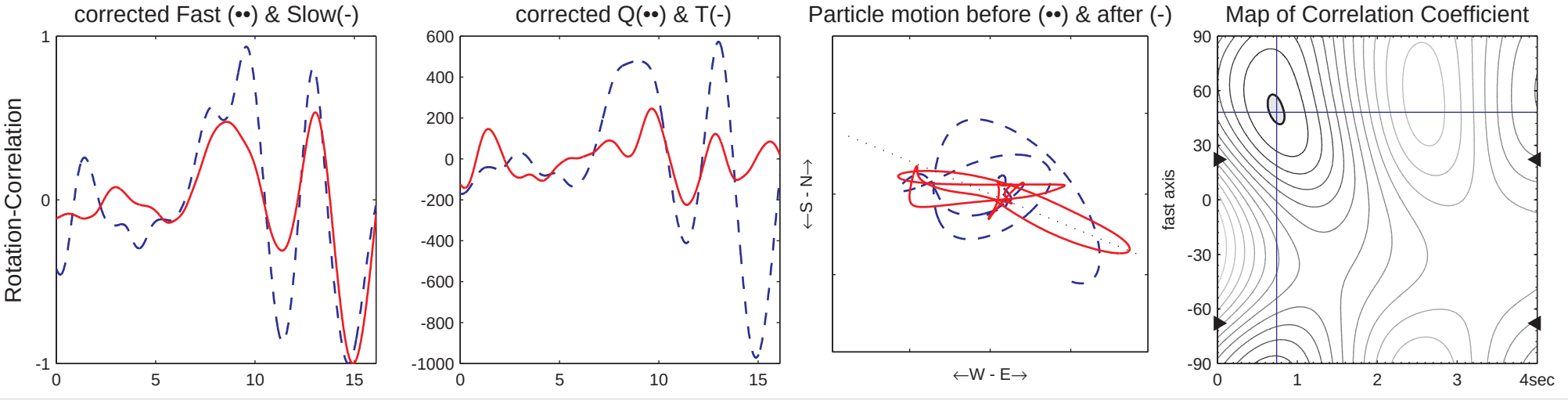


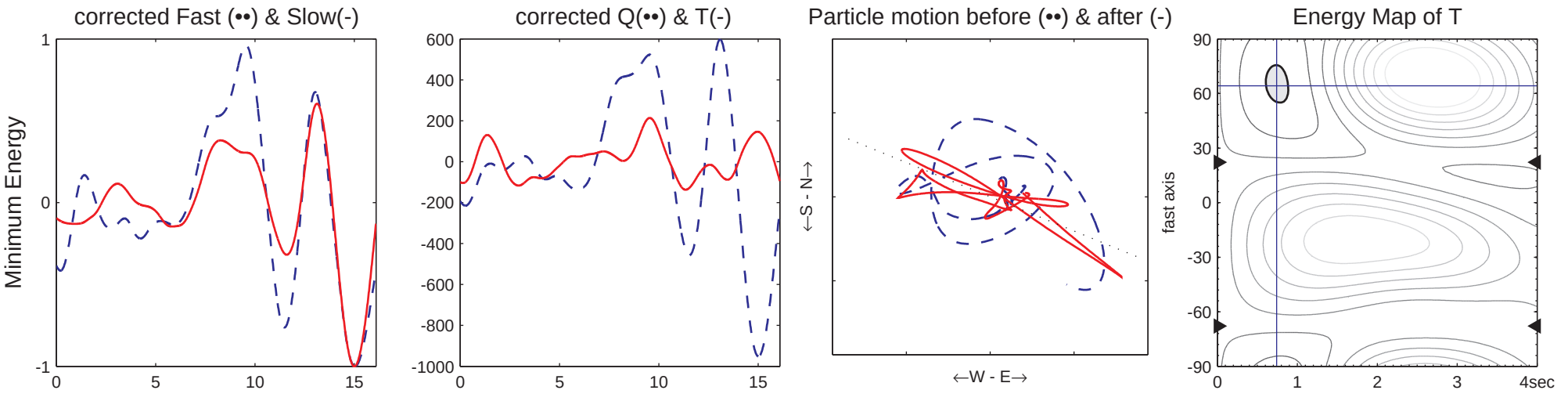
Event: **04-Jun-2012 (156) 03:15 5.51N -82.56E 7km Mw=6.3**
Station: **CDAG** Backazimuth: **292.2”** Distance: **106.62”**
init.Pol.: **109.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

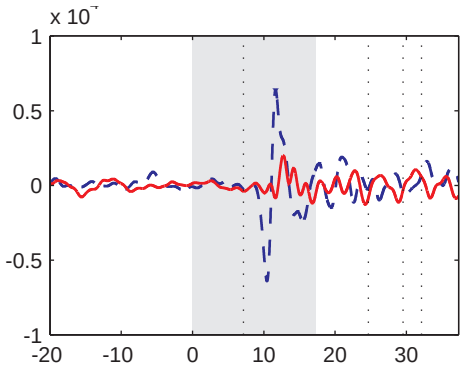
Rotation Correlation:	42<	48° <	58	0.6<0.7s<0.8
Minimum Energy:	56<	64° <	76	0.6<0.7s<0.9
Eigenvalue:	43<	60° <	78	0.6<0.8s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





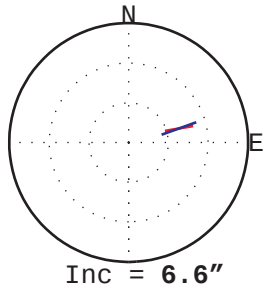


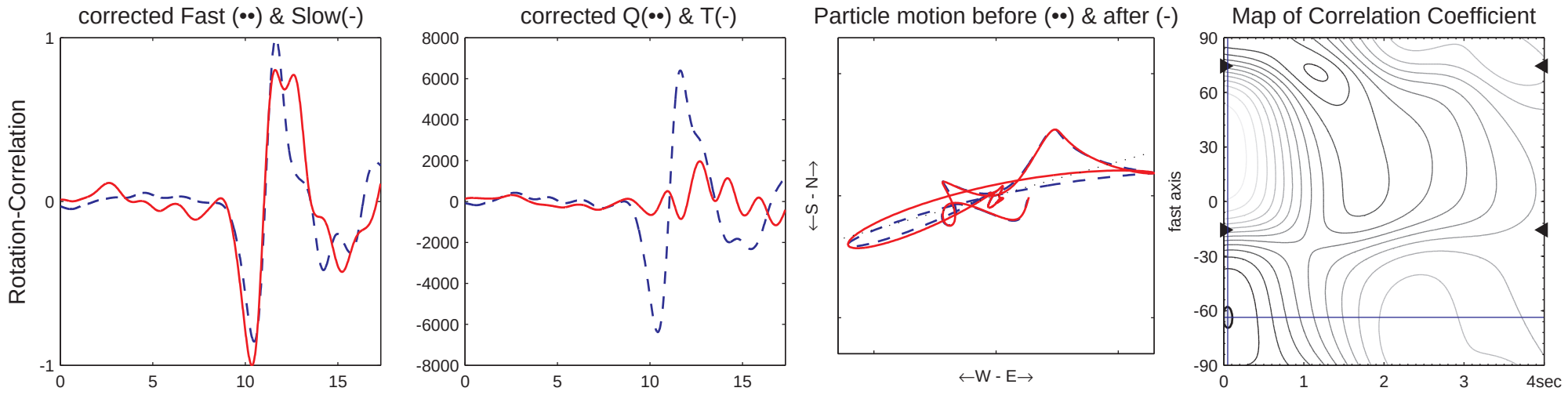


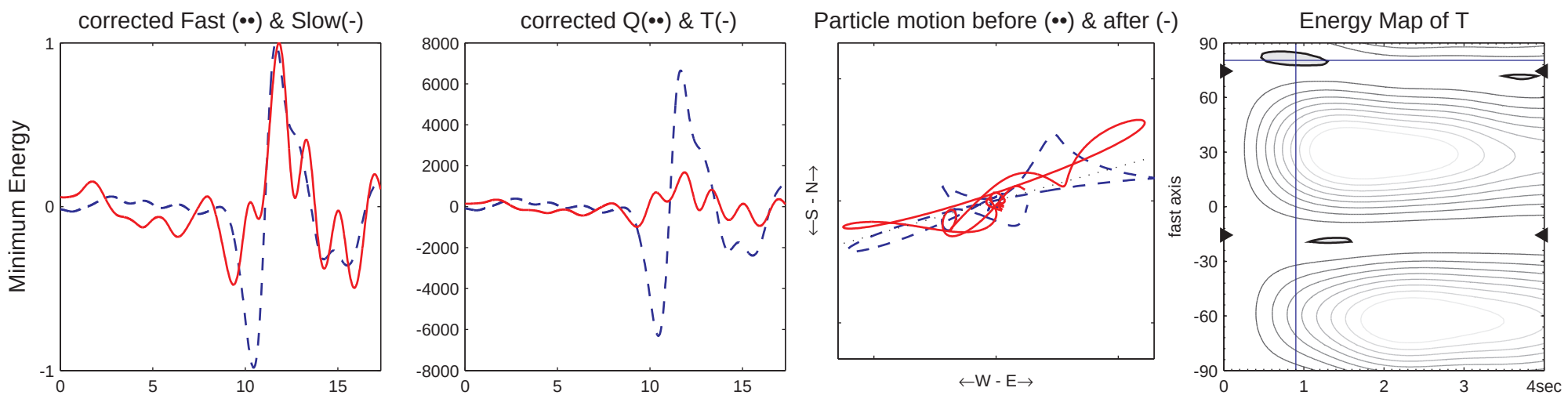
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **CDAG** Backazimuth: **74.4”** Distance: **114.93”**
init.Pol.: **238.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.6**

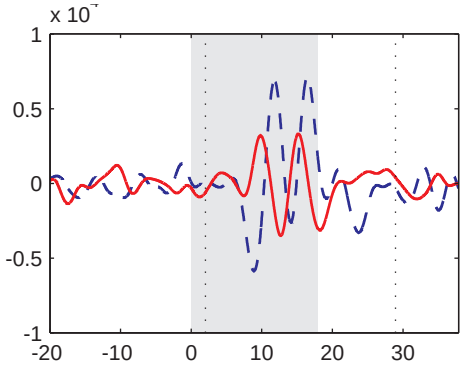
Rotation Correlation:	-70<	-64° <	-59	0.0<0.1s<0.1
Minimum Energy:	78<	80° <	86	0.5<0.9s<1.3
Eigenvalue:	70<	70° <	76	1.0<1.2s<1.3

Quality: **fair** IsNull: **Yes** Phase: **SKS**





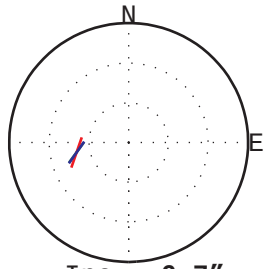


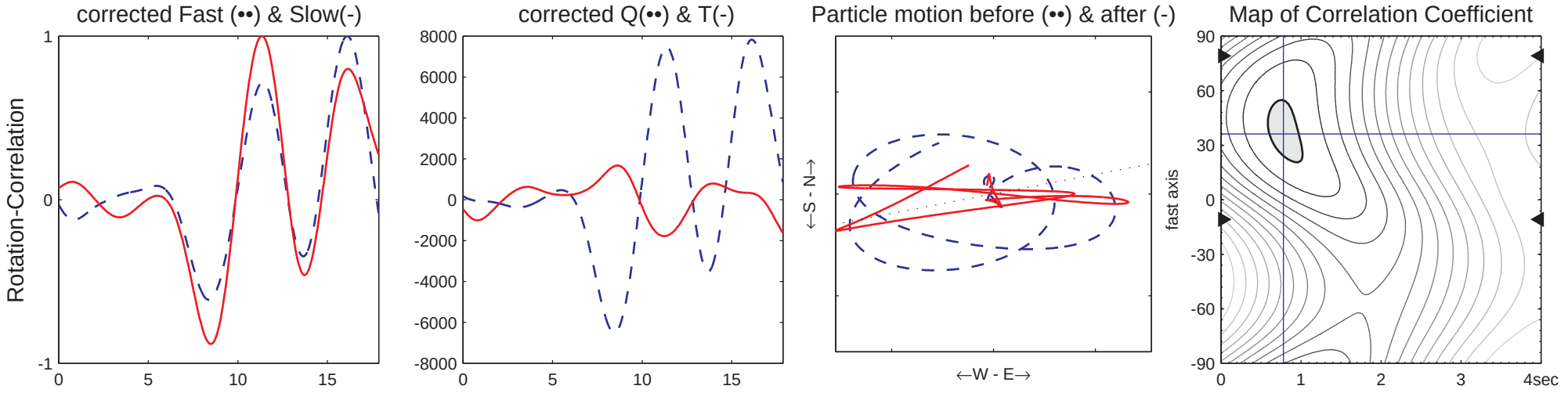


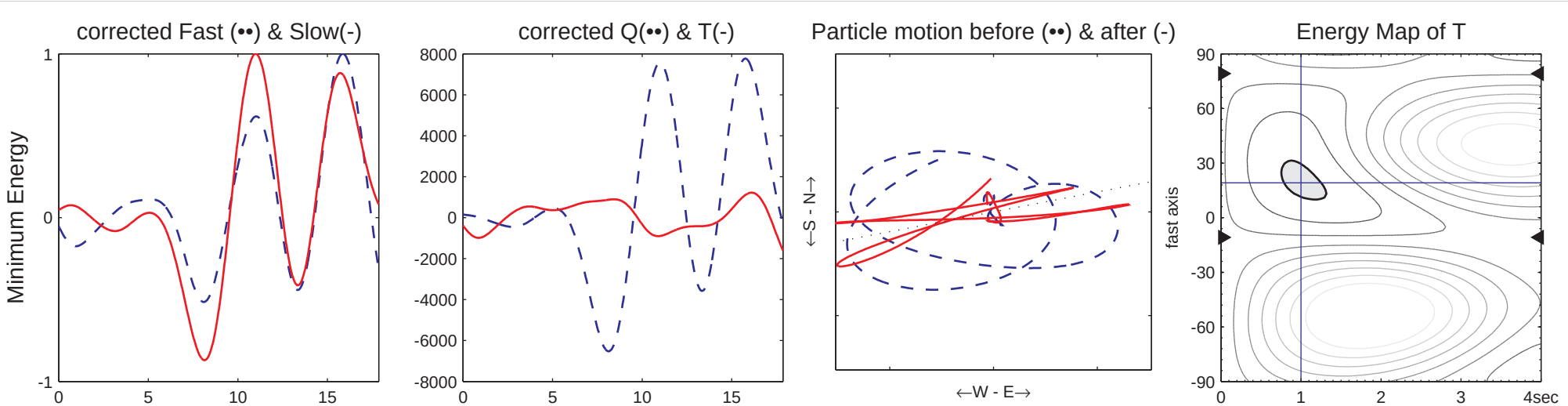
Event: **17-Nov-2005 (321) 19:26 -22.32N -67.89E 162km** Mw=**6.9**
Station: **CEYT** Backazimuth: **259.2”** Distance: **113.75”**
init.Pol.: **87.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

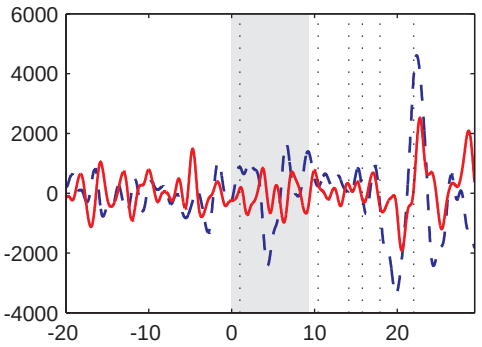
Rotation Correlation:	21<	36° <	55	0.6<0.8s<1.0
Minimum Energy:	9<	19° <	31	0.8<1.0s<1.3
Eigenvalue:	13<	35° <	66	0.6<0.8s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





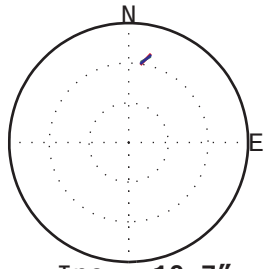




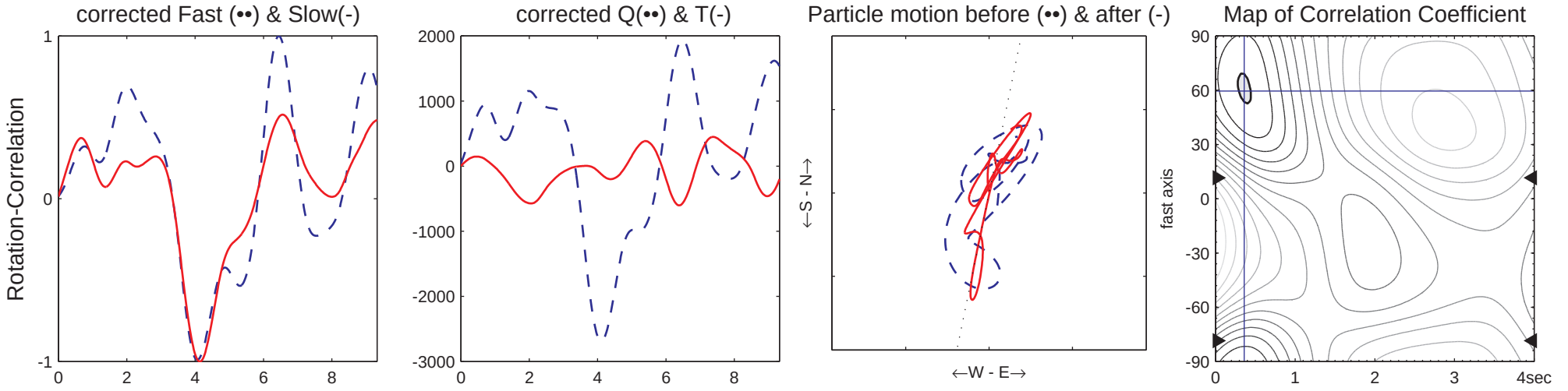
Event: **20-Nov-2005 (324) 12:53 53.84N -164.09E 30km Mw=6.2**
Station: **CEYT** Backazimuth: **11.6”** Distance: **87.55”**
init.Pol.: **195.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.2**

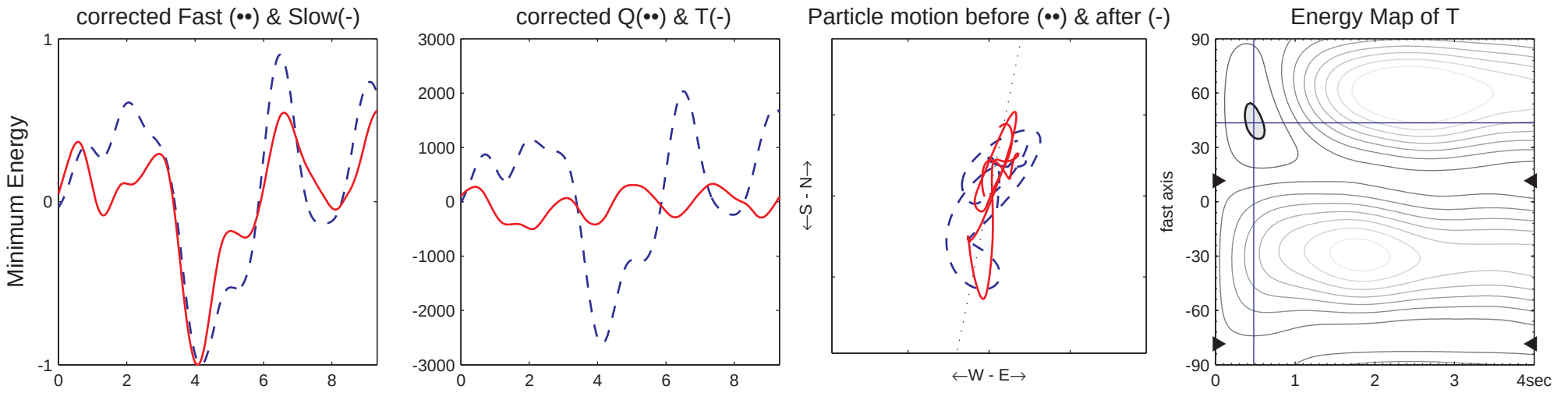
Rotation Correlation:	53<	60° <	69	0.3<0.4s<0.4
Minimum Energy:	35<	44° <	54	0.4<0.5s<0.6
Eigenvalue:	37<	50° <	64	0.3<0.4s<0.6

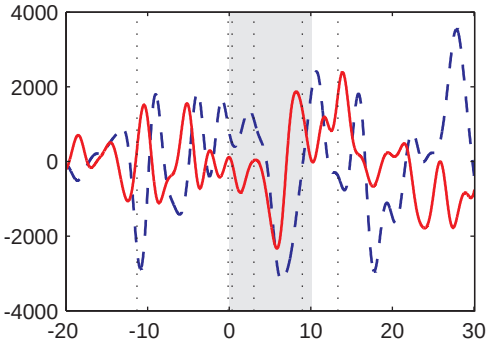
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



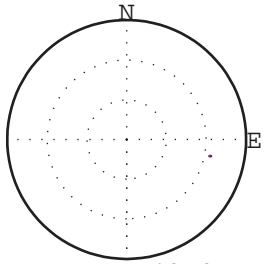




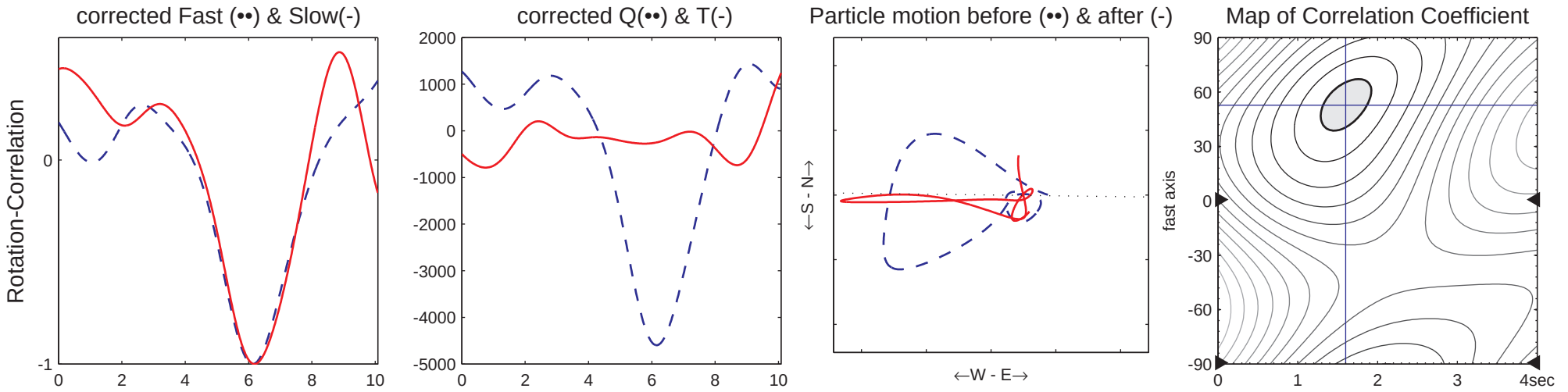
Event: **21-Dec-2005 (355) 07:09 -0.07N 124.67E 25km** Mw=**6.3**
Station: **CEYT** Backazimuth: **90.7”** Distance: **89.18”**
init.Pol.: **270.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

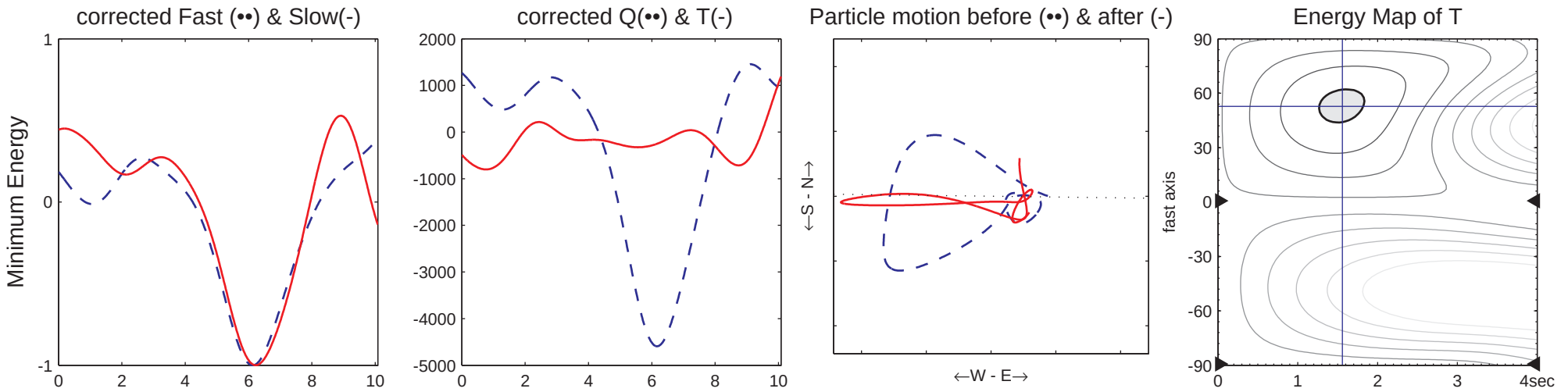
Rotation Correlation:	39<	53° <	67	1.3<1.6s<1.9
Minimum Energy:	43<	53° <	62	1.3<1.6s<1.8
Eigenvalue:	39<	51° <	62	1.3<1.5s<1.8

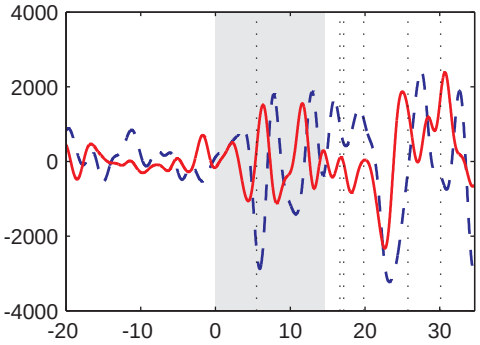
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



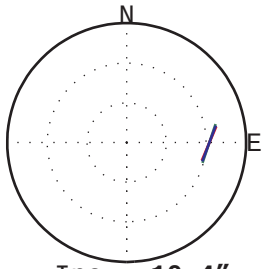




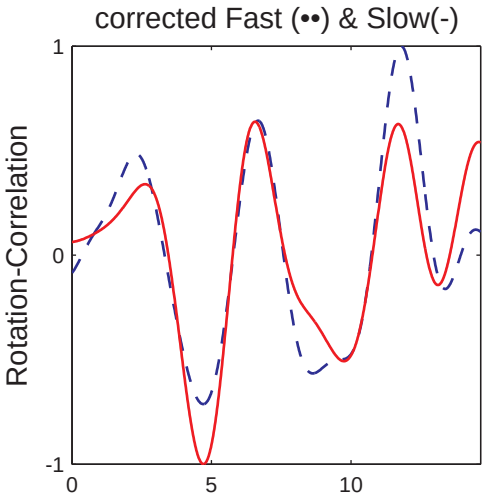
Event: **21-Dec-2005 (355) 07:09 -0.07N 124.67E 25km Mw=6.3**
Station: **CEYT** Backazimuth: **90.7”** Distance: **89.18”**
init.Pol.: **267.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

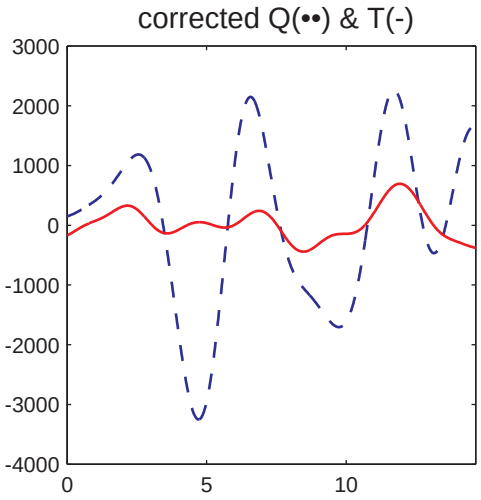
Rotation Correlation:	6<	19° <	36	0.9<1.3s<1.5
Minimum Energy:	19<	23° <	29	0.9<1.2s<1.4
Eigenvalue:	9<	21° <	37	0.8<1.2s<1.5

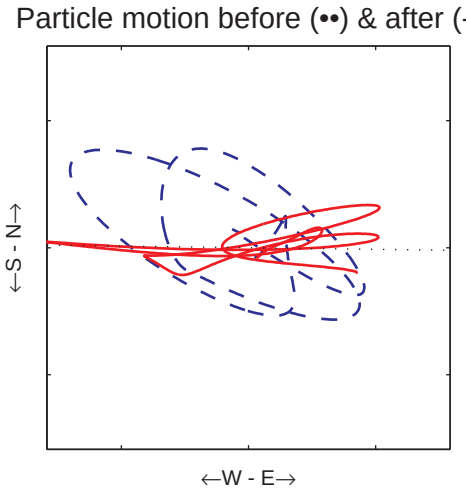
Quality: **good** IsNull: **No** Phase: **SKS**

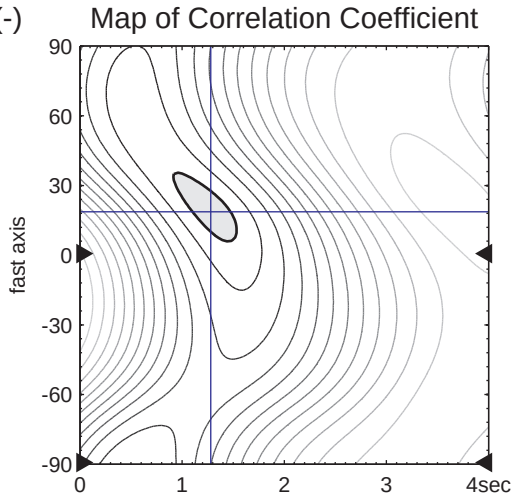


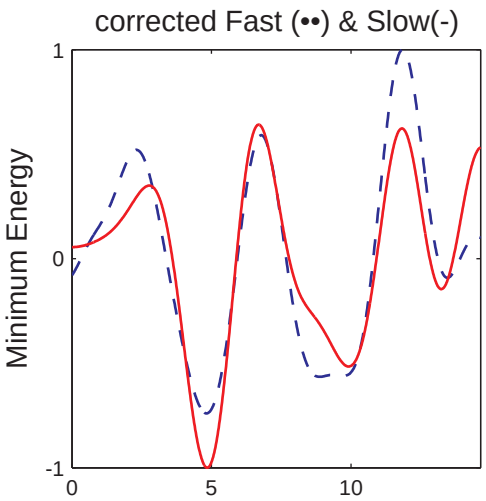
Inc = **10.4”**

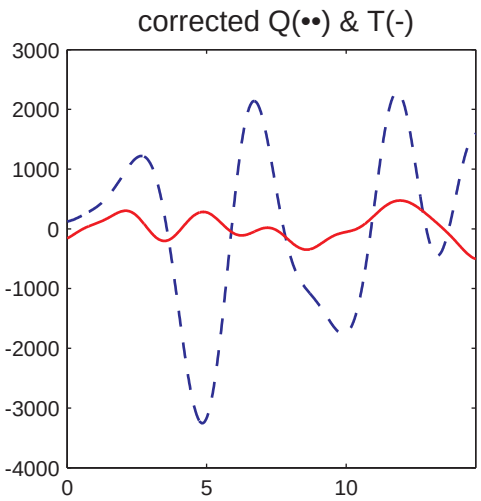


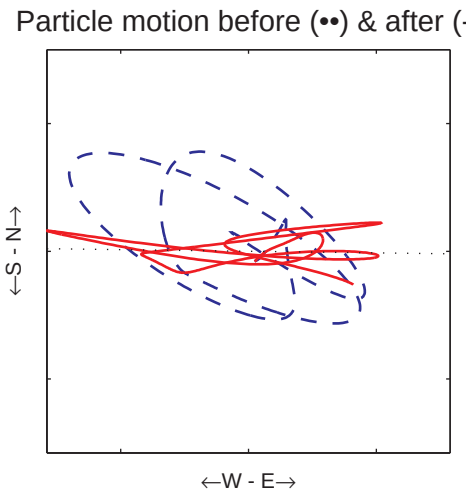


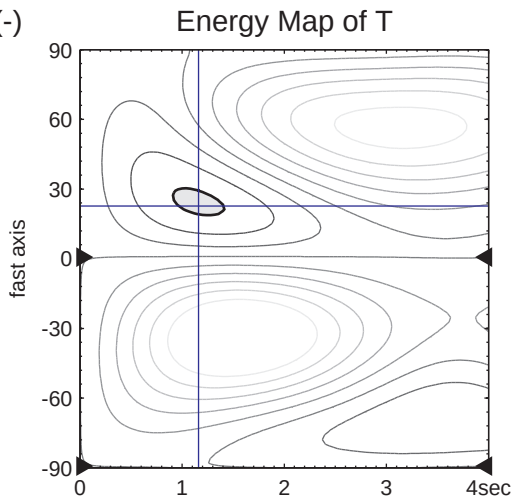


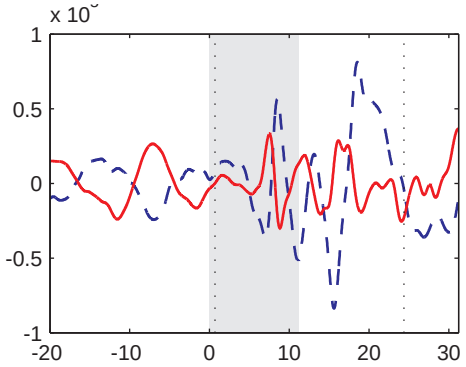








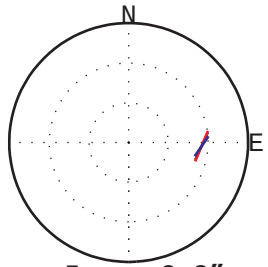


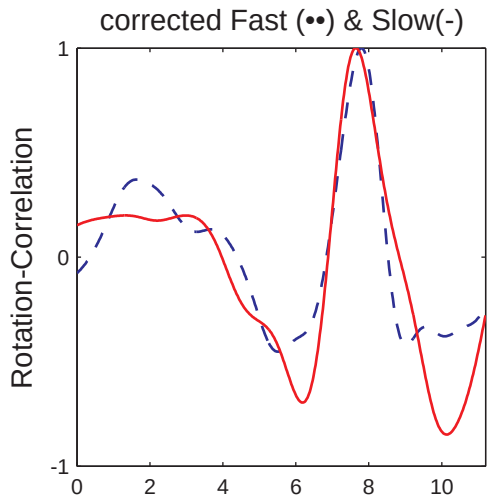


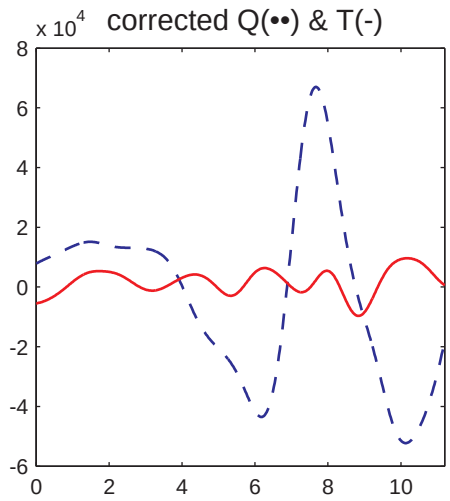
Event: **27-Jan-2006 (027) 16:58 -5.47N 128.13E 397km Mw=7.6**
Station: **CEYT** Backazimuth: **92.9”** Distance: **95.19”**
init.Pol.: **282.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.8**

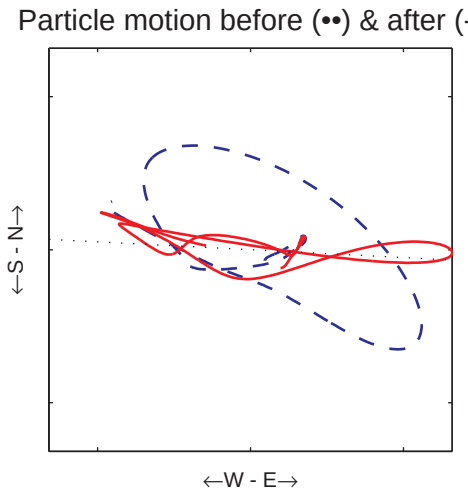
Rotation Correlation:	21<	25° <	35	0.7<0.9s<1.1
Minimum Energy:	21<	23° <	29	0.8<1.0s<1.2
Eigenvalue:	27<	35° <	46	0.6<0.8s<1.0

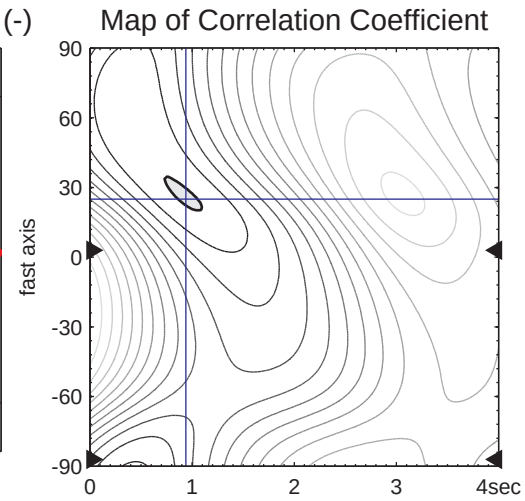
Quality: **good** IsNull: **No** Phase: **SKS**

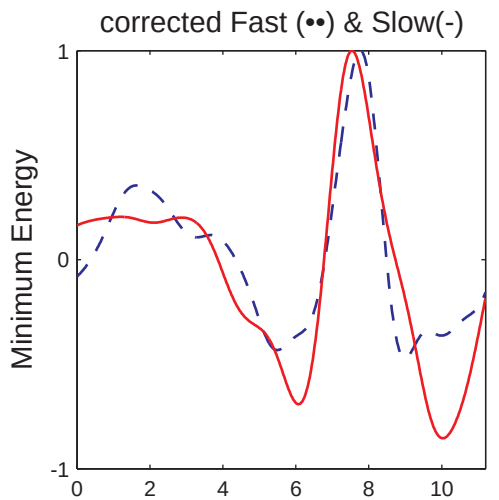


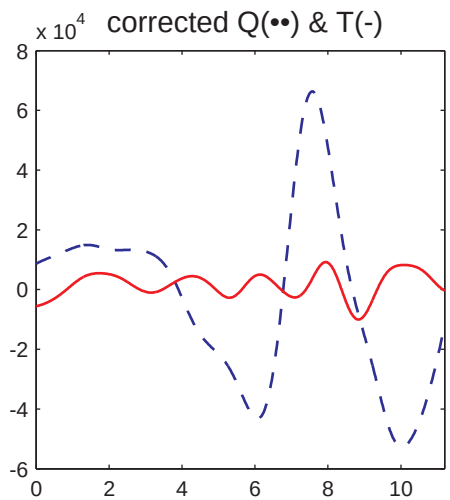


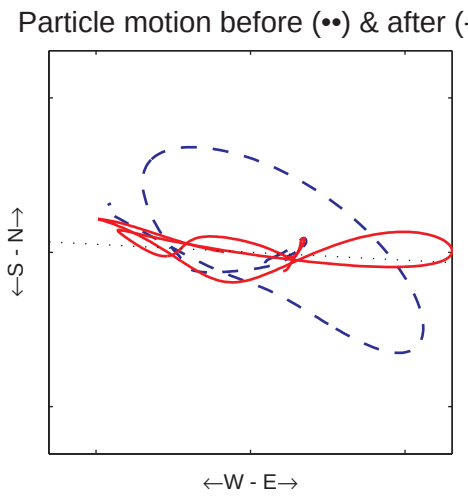


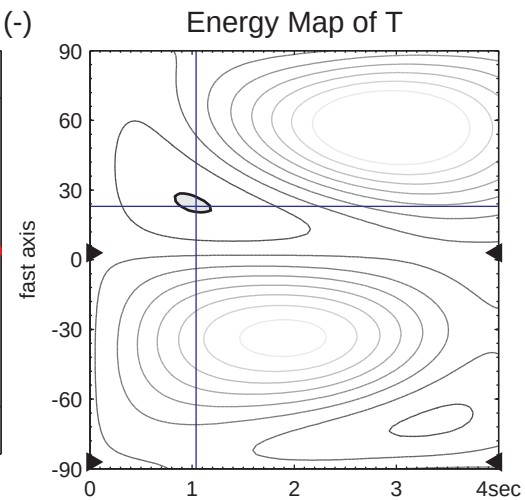


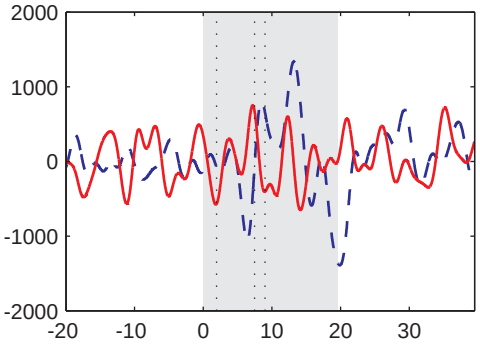








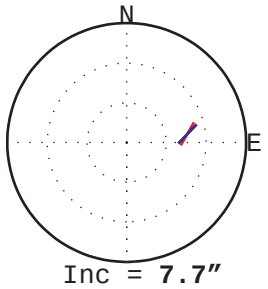


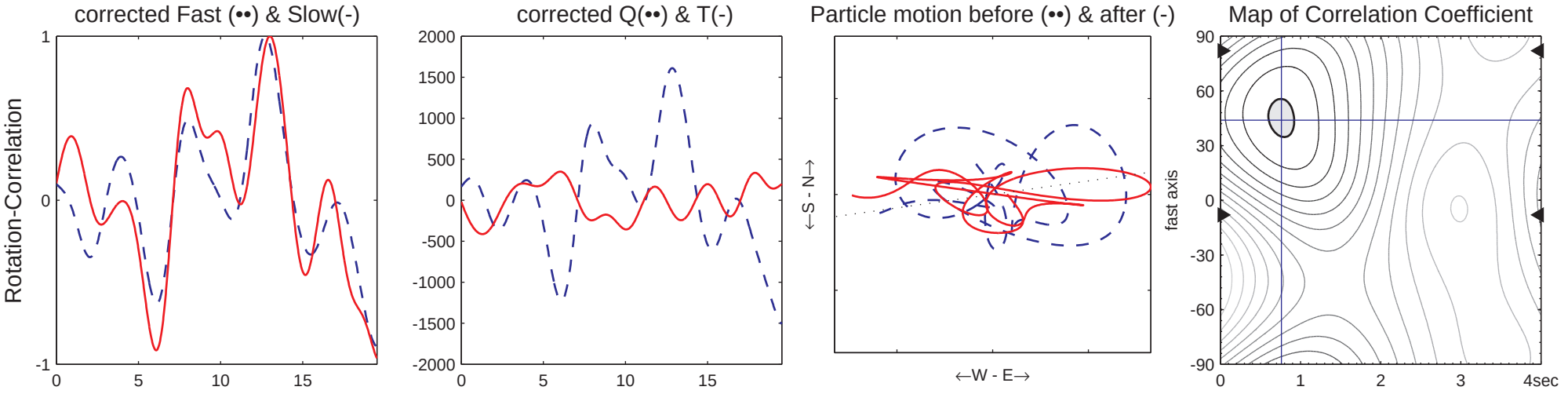


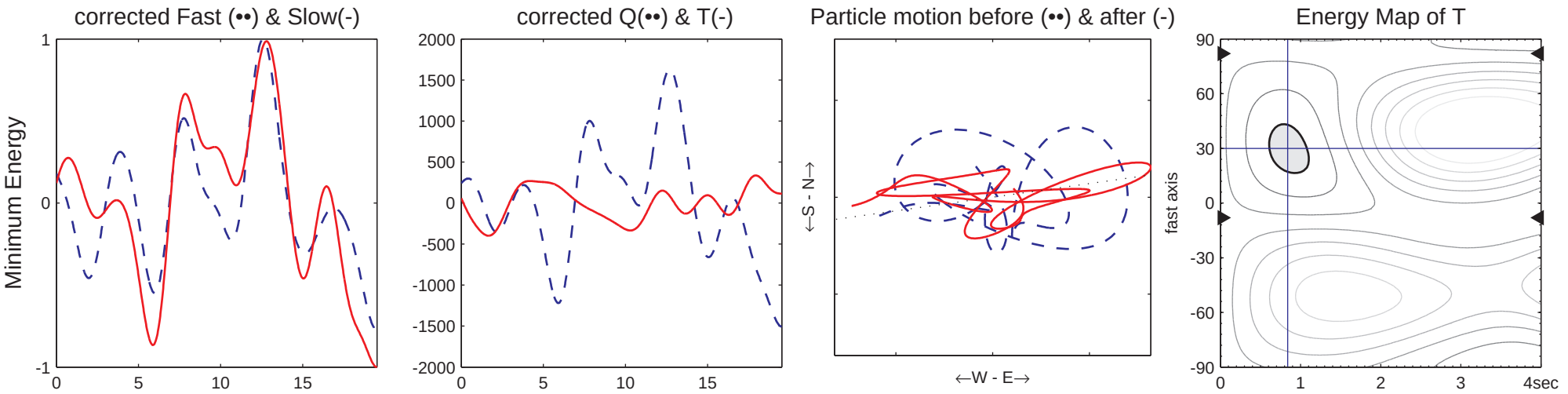
Event: **24-Mar-2006 (083) 12:27 -3.24N 143.14E 12km Mw=6.1**
Station: **CEYT** Backazimuth: **82.0”** Distance: **105.80”**
init.Pol.: **272.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

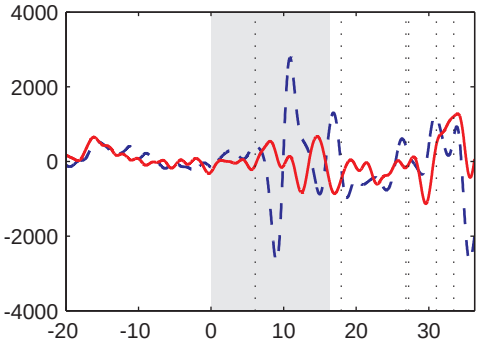
Rotation Correlation:	35<	44° <	56	0.6<0.8s<0.9
Minimum Energy:	17<	30° <	43	0.6<0.8s<1.1
Eigenvalue:	27<	44° <	60	0.6<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





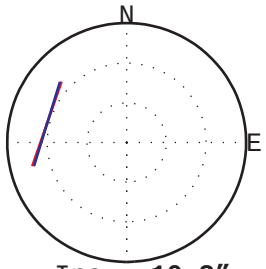




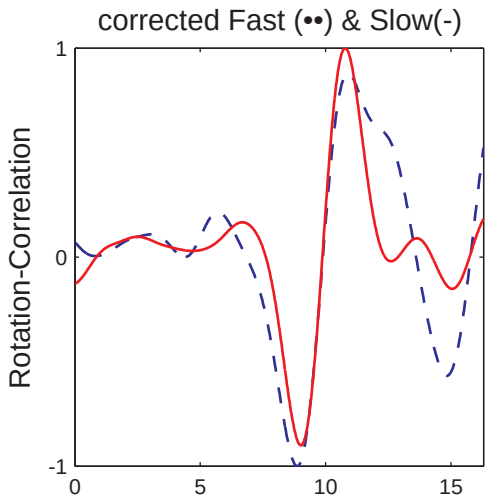
Event: **29-Sep-2006 (272) 13:08 10.91N -61.65E 53km Mw=6.0**
Station: **CEYT** Backazimuth: **283.1”** Distance: **89.26”**
init.Pol.: **99.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

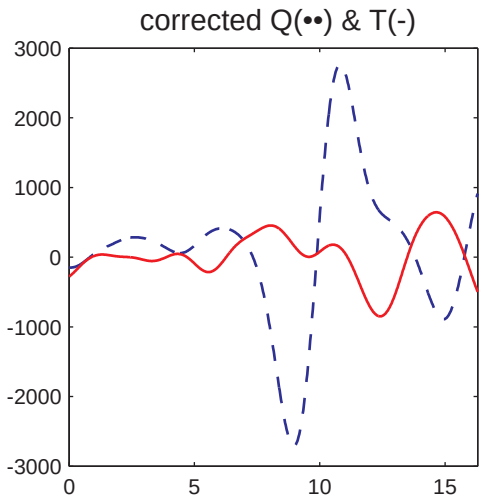
Rotation Correlation:	-34<	-25° <	-17	0.0<0.1s<0.2
Minimum Energy:	15<	19° <	23	2.1<2.8s<3.5
Eigenvalue:	9<	17° <	25	2.1<2.8s<3.5

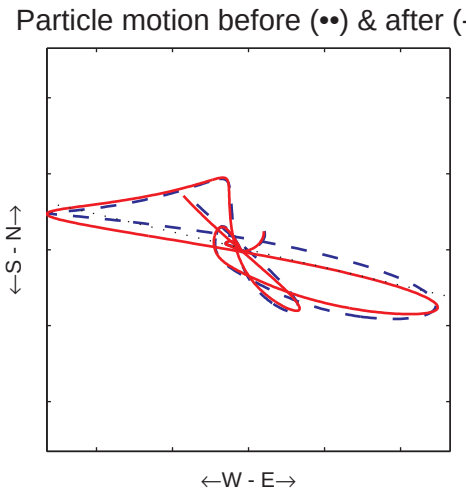
Quality: **good** IsNull: **Yes** Phase: **SKS**

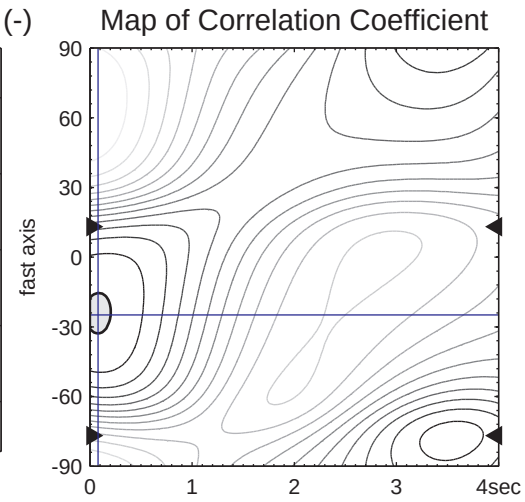


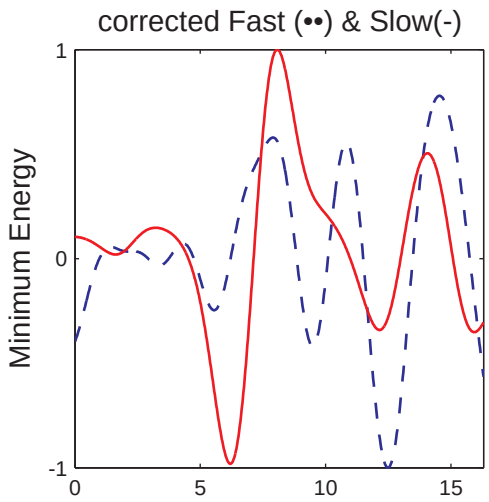
Inc = **10.3”**

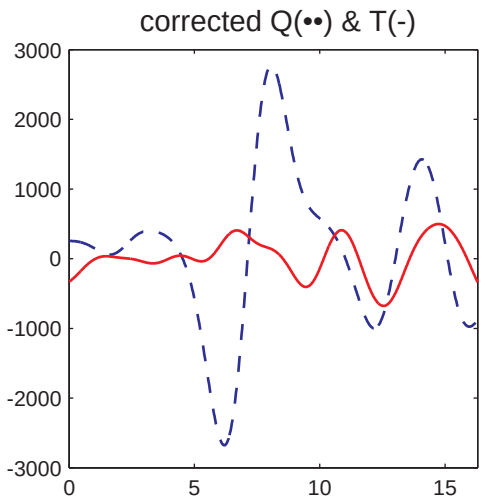


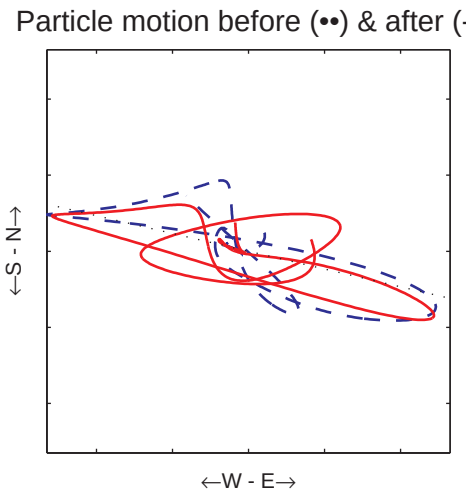


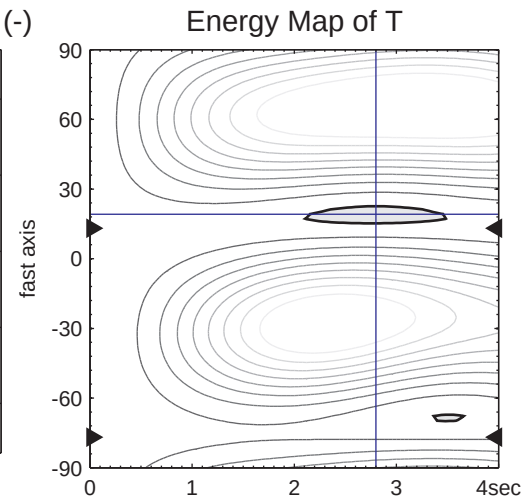


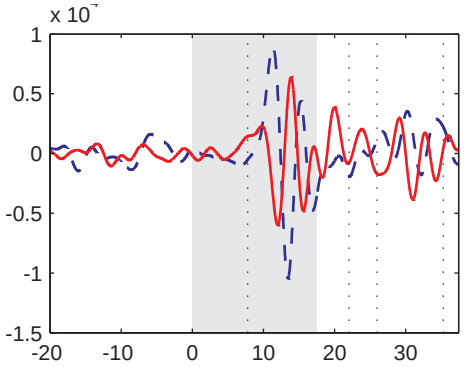








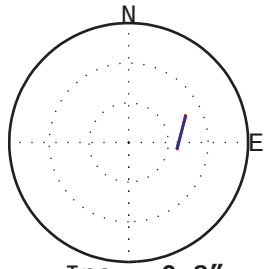


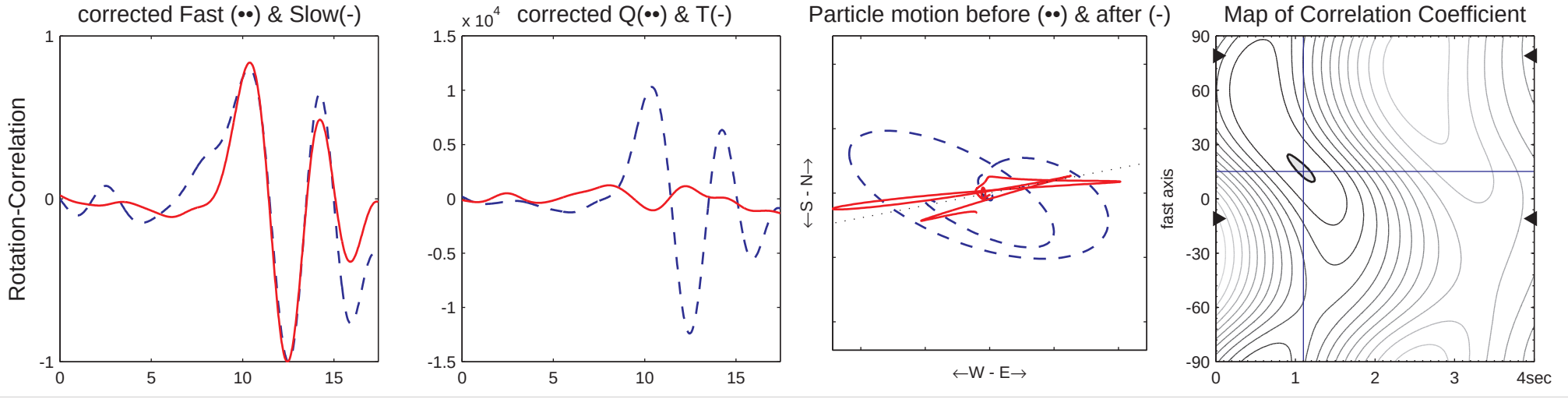


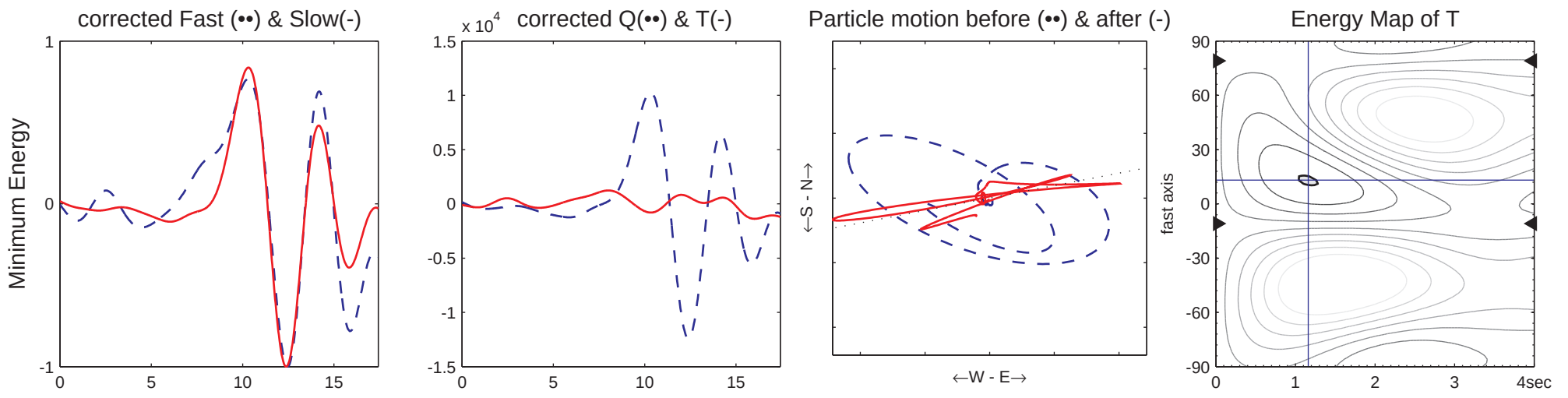
Event: **17-Oct-2006 (290) 01:25 -5.88N 150.98E 32km Mw=6.9**
Station: **CEYT** Backazimuth: **79.1”** Distance: **113.60”**
init.Pol.: **261.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.5**

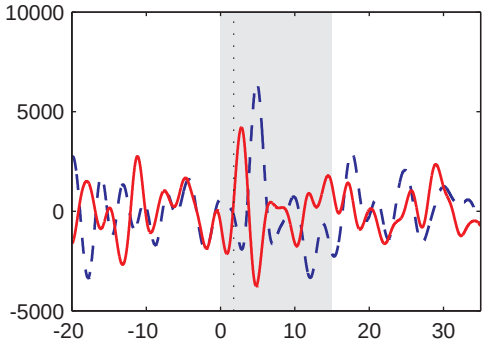
Rotation Correlation:	10<	15° <	25	0.9<1.1s<1.2
Minimum Energy:	11<	13° <	15	1.0<1.2s<1.3
Eigenvalue:	7<	15° <	23	0.9<1.1s<1.3

Quality: **good** IsNull: **No** Phase: **SKS**





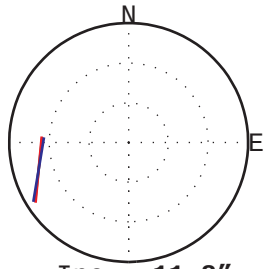




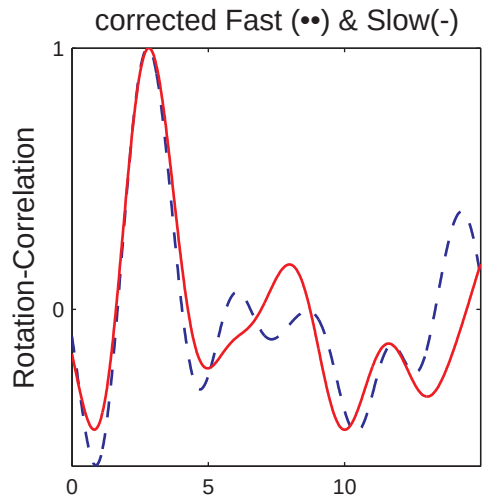
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km Mw=6.8**
Station: **CEYT** Backazimuth: **253.3”** Distance: **112.09”**
init.Pol.: **78.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.3**

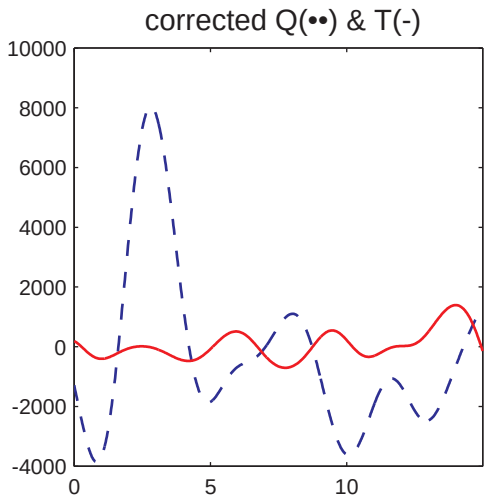
Rotation Correlation:	2<	6° <	12	1.9<2.0s<2.1
Minimum Energy:	3<	5° <	9	1.9<2.1s<2.3
Eigenvalue:	3<	9° <	15	1.8<2.0s<2.2

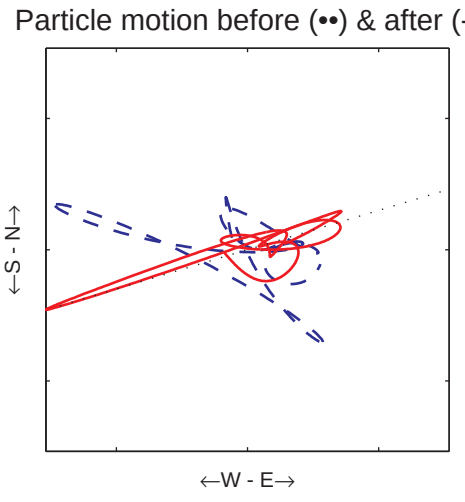
Quality: **good** IsNull: **No** Phase: **SKKS**

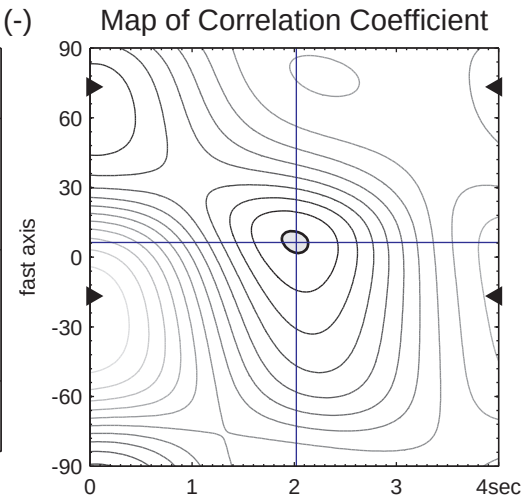


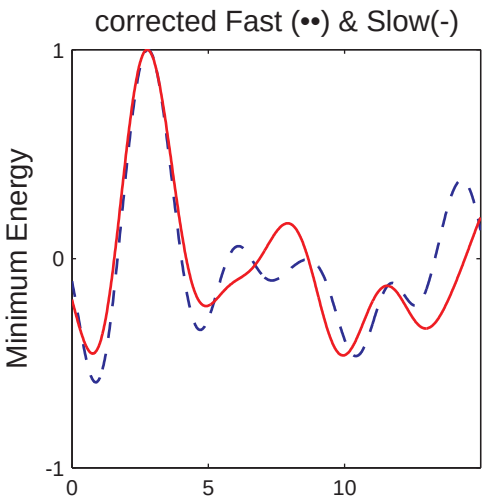
Inc = **11.8”**

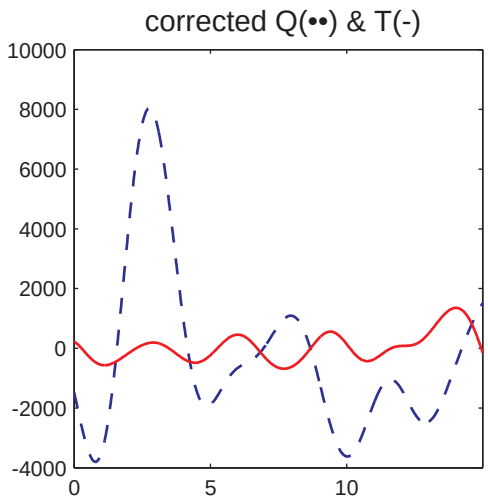


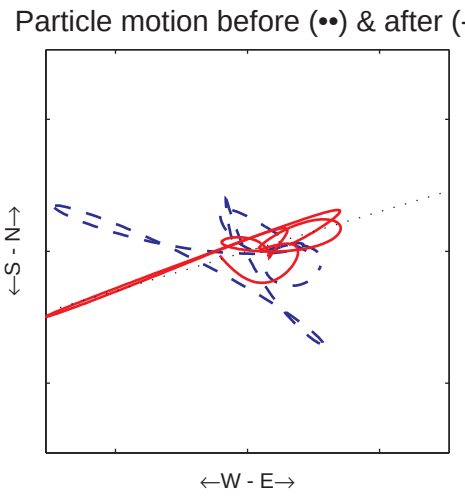


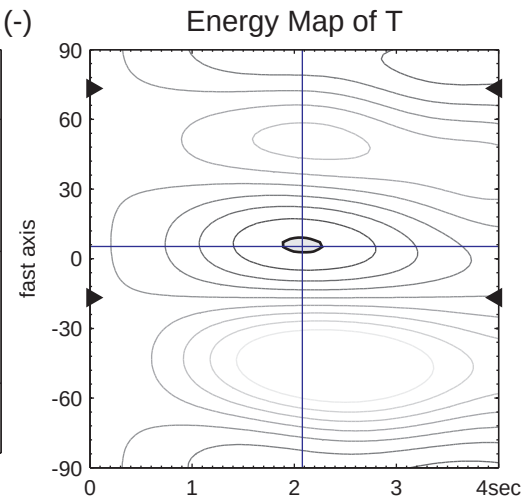


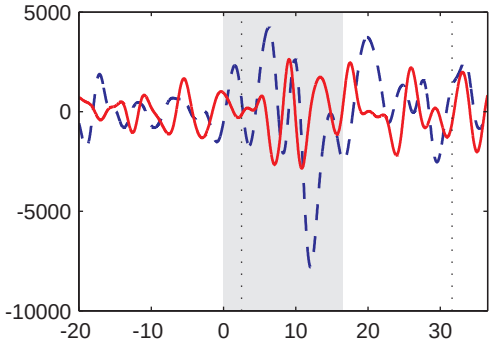








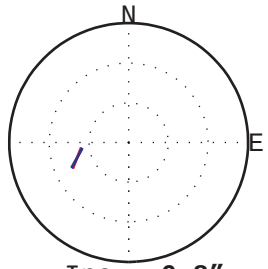




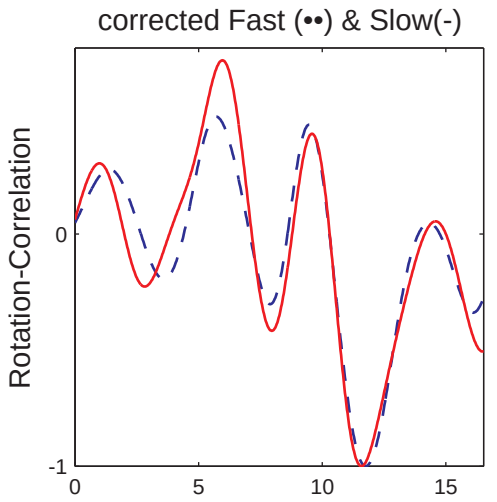
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km Mw=6.8**
Station: **CEYT** Backazimuth: **253.3”** Distance: **112.09”**
init.Pol.: **76.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.4**

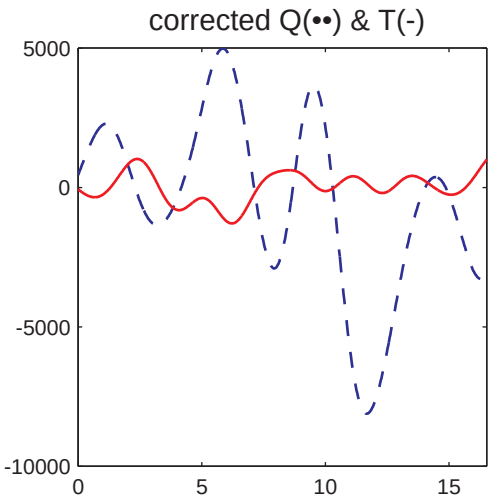
Rotation Correlation:	16<	30° <	47	0.5<0.7s<0.9
Minimum Energy:	11<	21° <	35	0.6<0.7s<0.9
Eigenvalue:	9<	27° <	48	0.6<0.7s<0.9

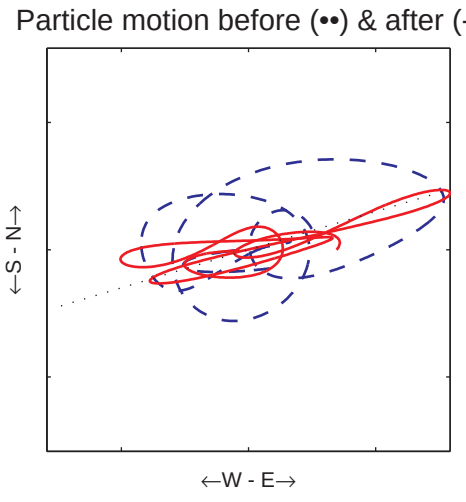
Quality: **fair** IsNull: **No** Phase: **SKS**

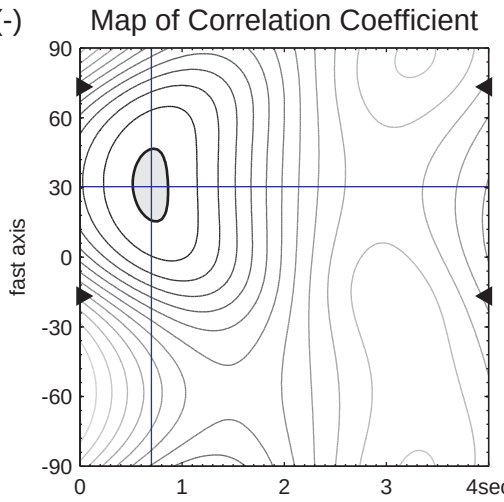


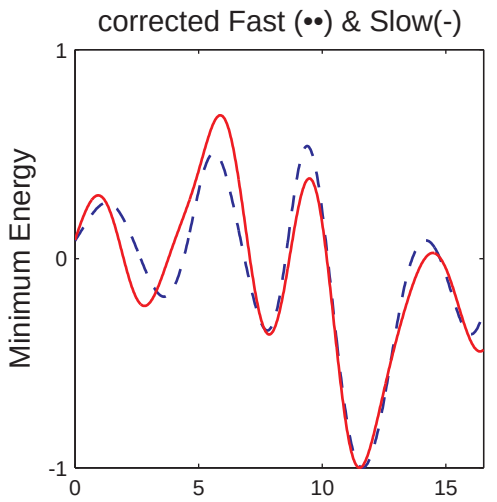
Inc = **6.8”**

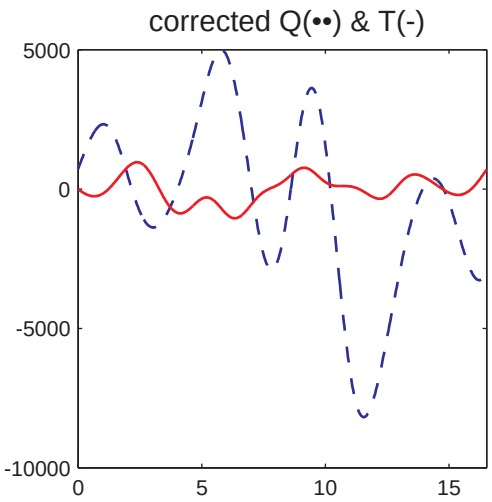


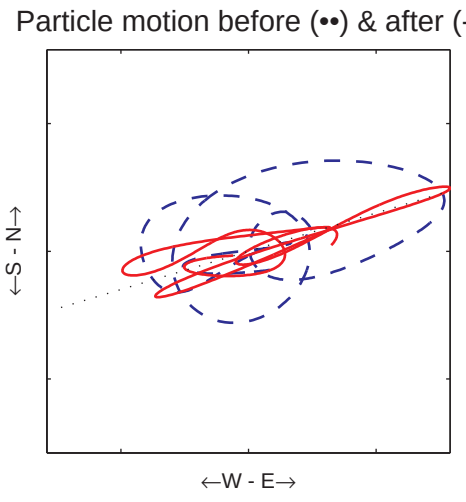


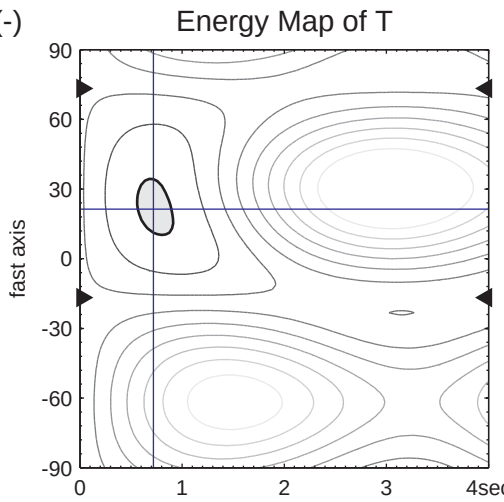


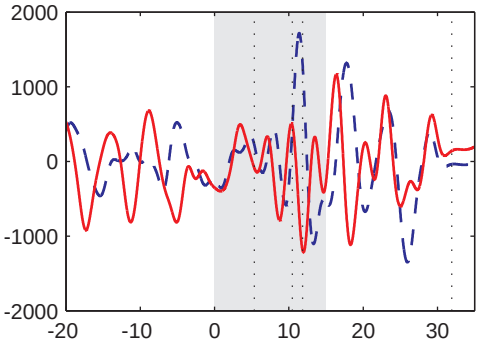








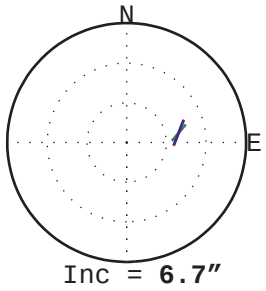


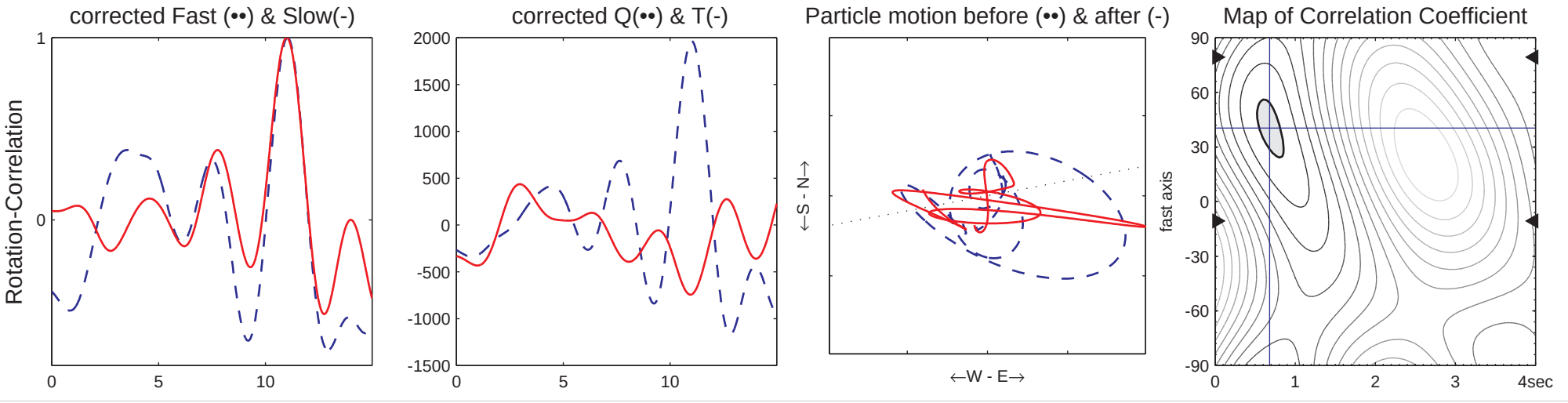


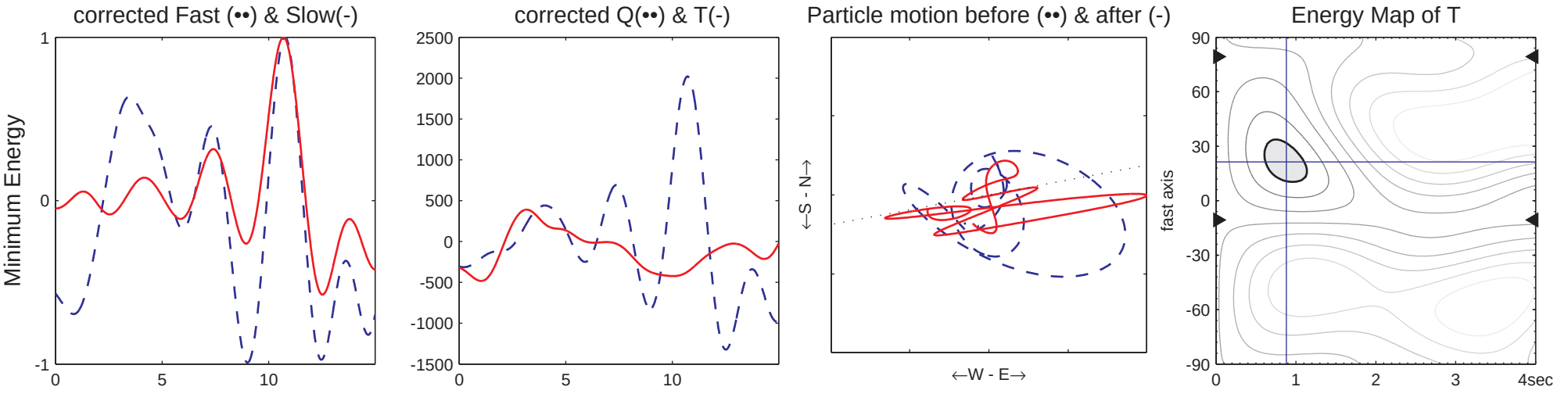
Event: **13-Nov-2006 (317) 16:12 -6.38N 151.23E 11km Mw=6.2**
Station: **CEYT** Backazimuth: **79.4”** Distance: **114.10”**
init.Pol.: **260.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

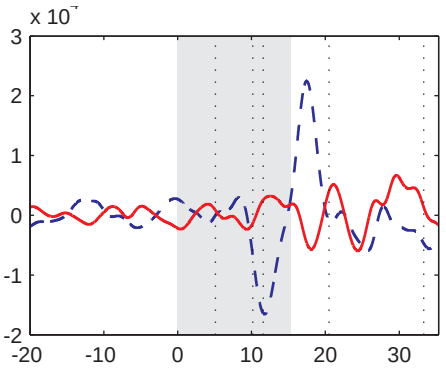
Rotation Correlation:	25<	40° <	56	0.5<0.7s<0.8
Minimum Energy:	11<	21° <	33	0.6<0.9s<1.1
Eigenvalue:	3<	21° <	46	0.6<0.8s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





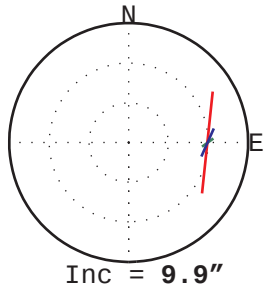


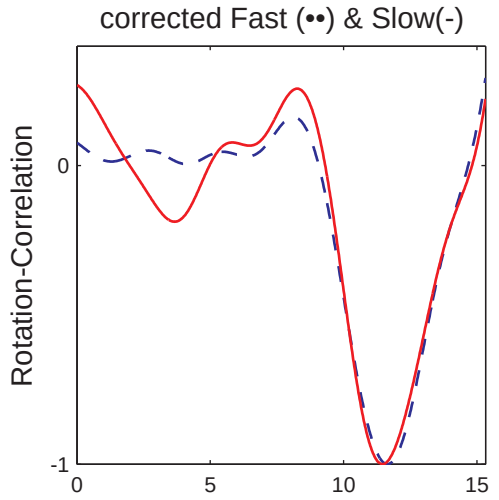


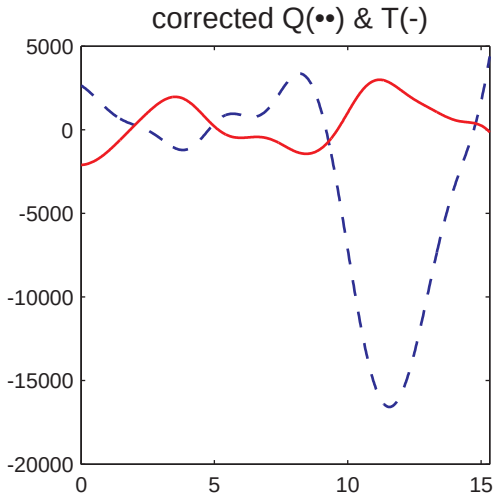
Event: **20-Feb-2007 (051) 08:04 -1.02N 126.99E 11km Mw=6.7**
Station: **CEYT** Backazimuth: **90.1”** Distance: **91.61”**
init.Pol.: **278.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.7**

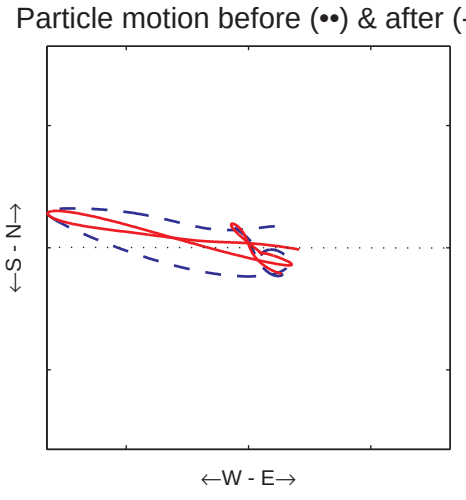
Rotation Correlation:	40<	54° <	70	0.2<0.4s<0.7
Minimum Energy:	5<	6° <	17	1.1<3.2s<4.0
Eigenvalue:	13<	24° <	78	0.4<1.0s<2.1

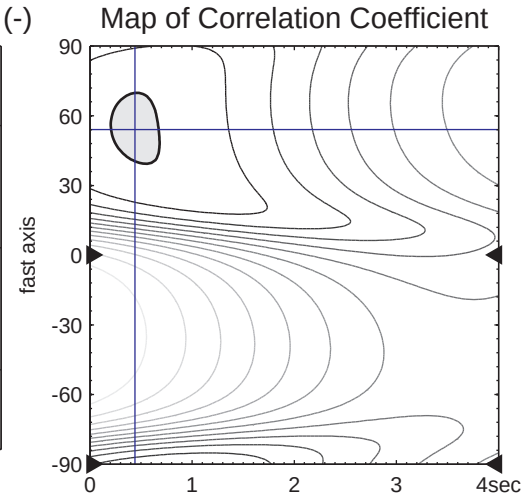
Quality: **good** IsNull: **Yes** Phase: **SKS**

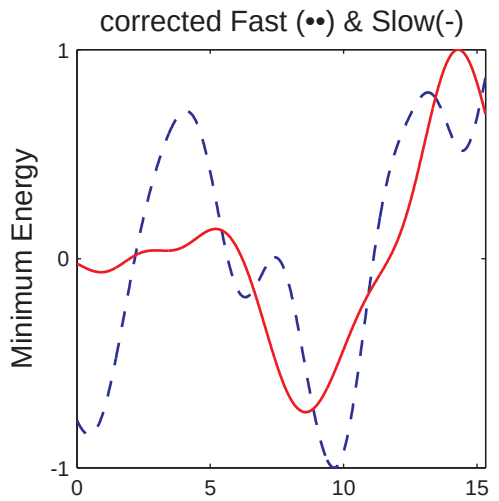


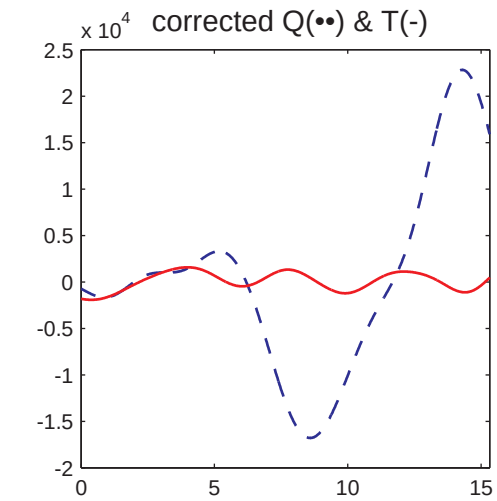


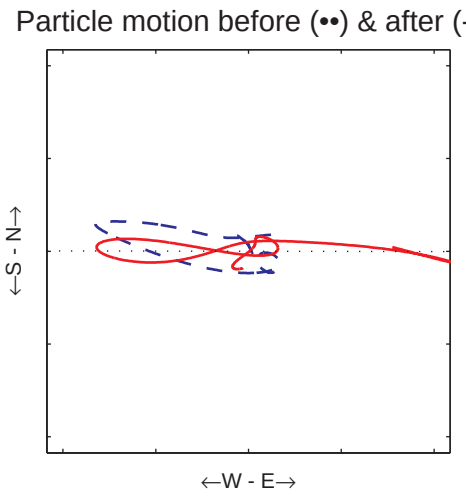


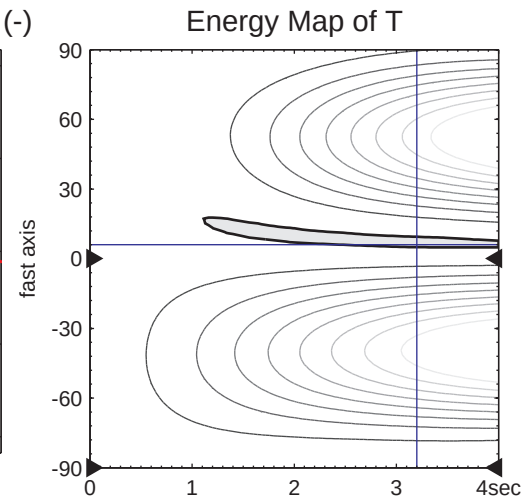


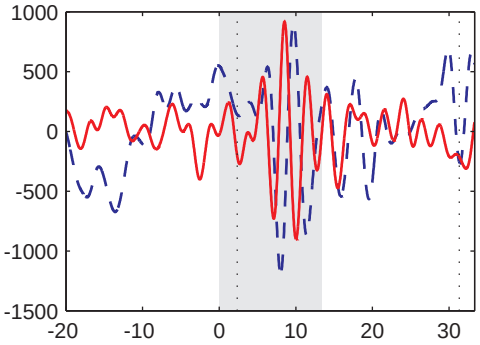








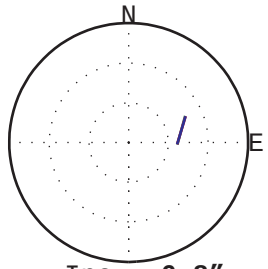


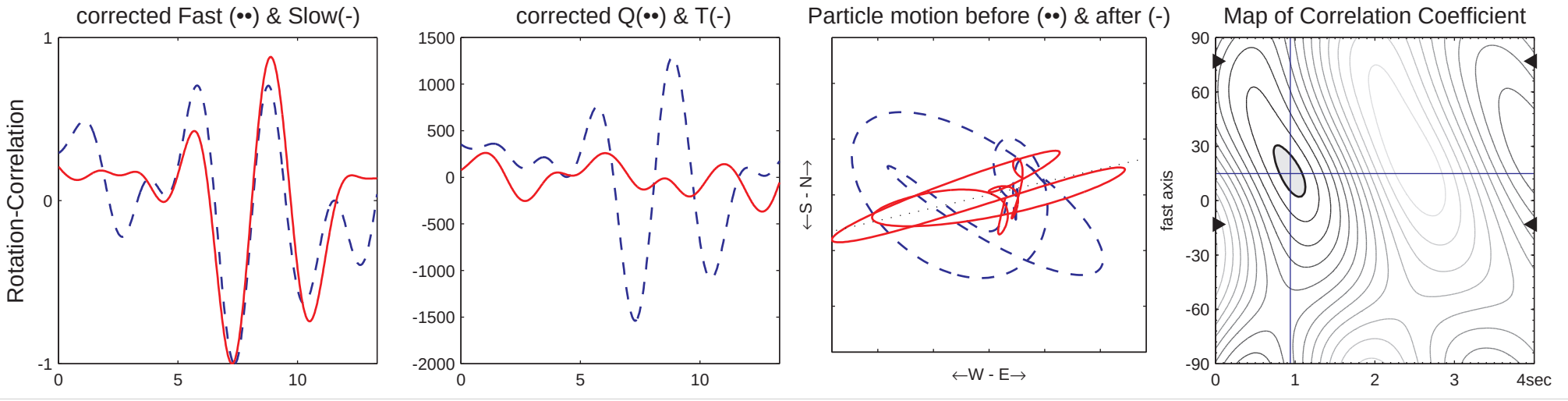


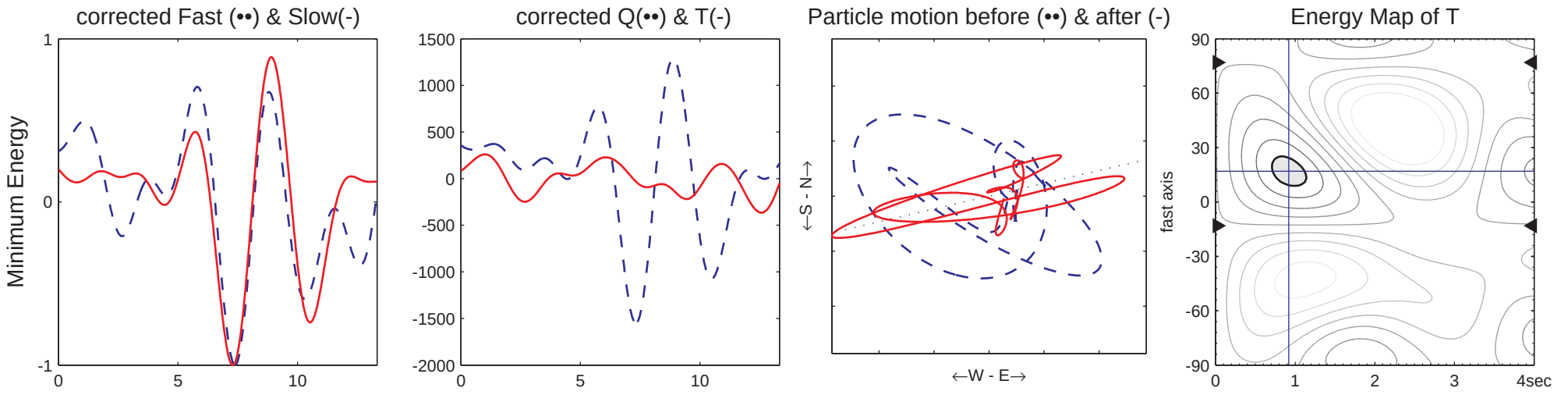
Event: **21-Apr-2007 (111) 07:12 -3.55N 151.27E 407km Mw=6.1**
Station: **CEYT** Backazimuth: **76.9”** Distance: **112.37”**
init.Pol.: **257.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.7**

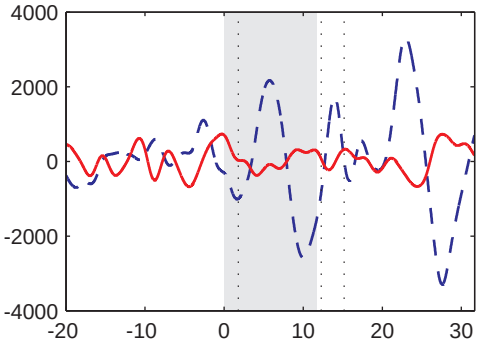
Rotation Correlation:	3<	15° <	31	0.7<0.9s<1.1
Minimum Energy:	9<	17° <	25	0.7<0.9s<1.2
Eigenvalue:	1<	17° <	33	0.6<0.9s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





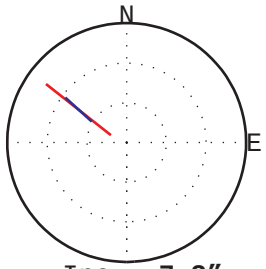




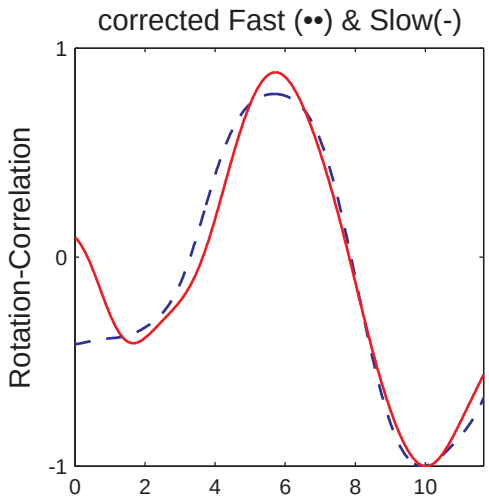
Event: **13-Jun-2007 (164) 19:29 13.55N -90.62E 23km Mw=6.7**
Station: **CEYT** Backazimuth: **304.3”** Distance: **108.62”**
init.Pol.: **130.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.6**

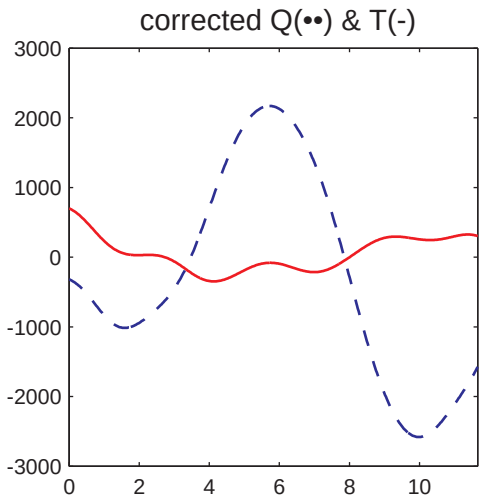
Rotation Correlation:	-33<	-4° <	23	0.0<0.0s<0.5
Minimum Energy:	-58<	-52° <	-48	0.8<2.6s<4.0
Eigenvalue:	-54<	-48° <	-35	0.3<1.1s<3.2

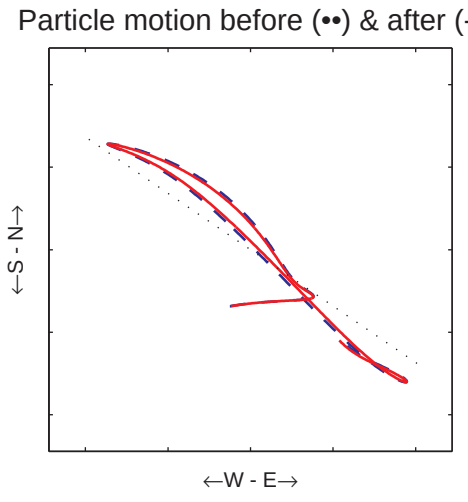
Quality: **good** IsNull: **Yes** Phase: **SKS**

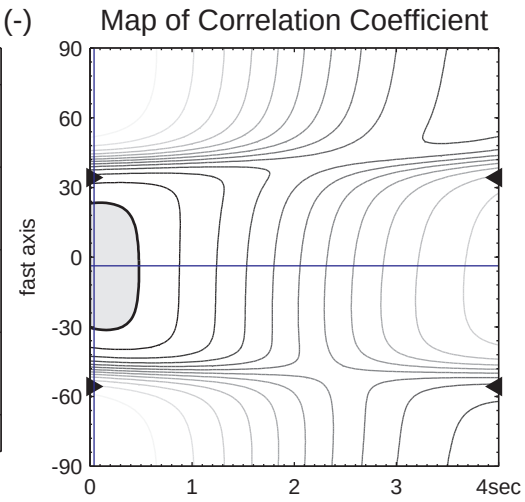


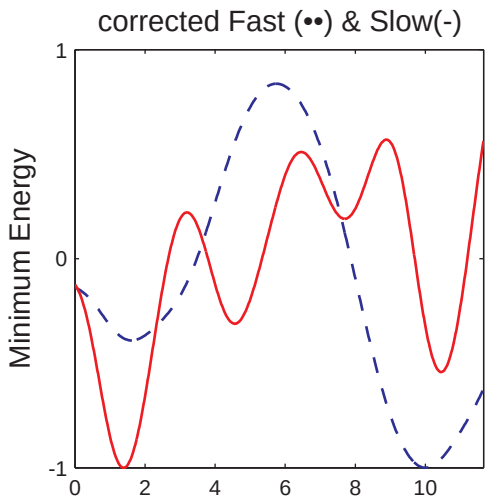
Inc = **7.3”**

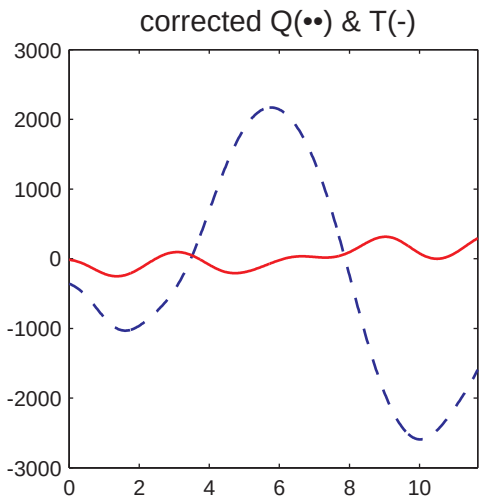


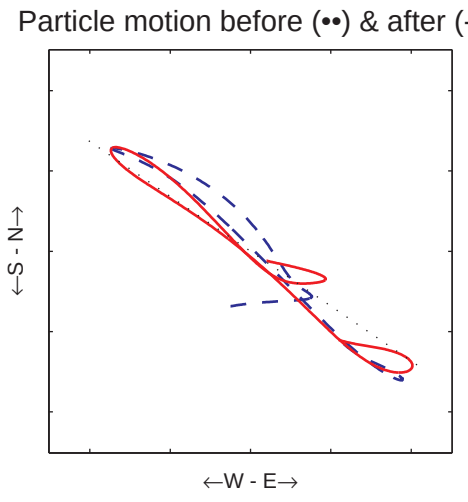


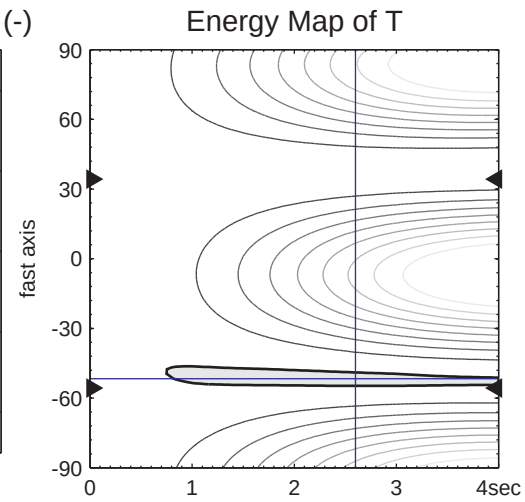


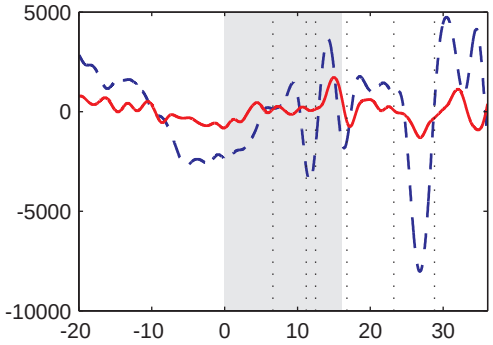








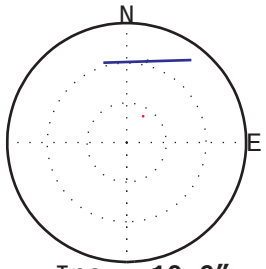




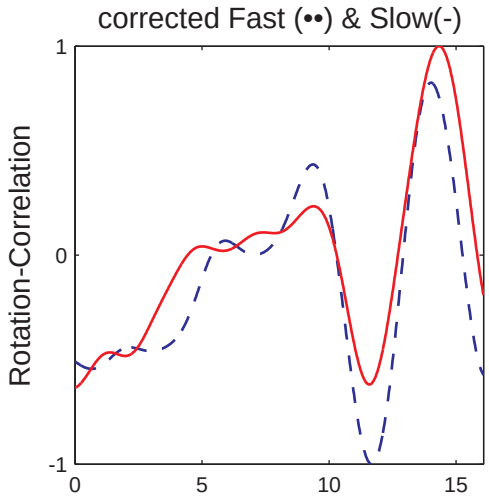
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **CEYT** Backazimuth: **14.2”** Distance: **88.13”**
init.Pol.: **165.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

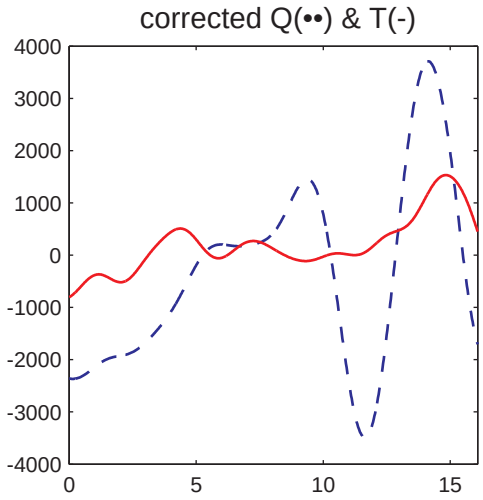
Rotation Correlation:	41<	49° <	59	0.0<0.1s<0.3
Minimum Energy:	1<	4° <	9	3.0<3.5s<3.9
Eigenvalue:	84<	88° <	-90	2.5<2.8s<3.0

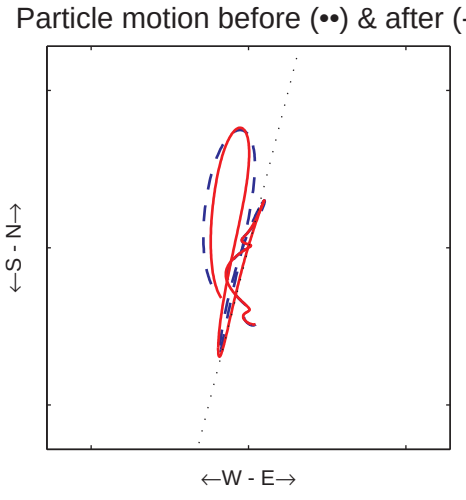
Quality: **good** IsNull: **Yes** Phase: **SKS**

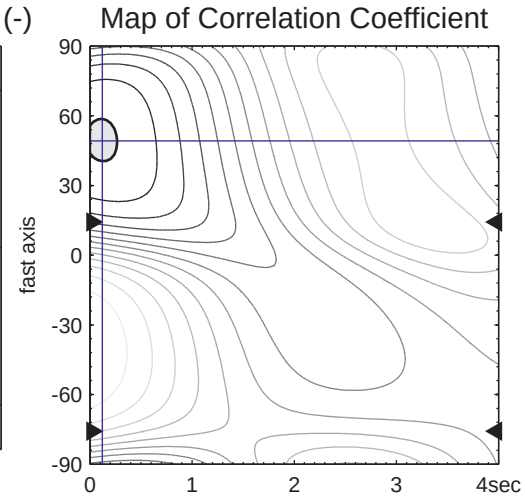


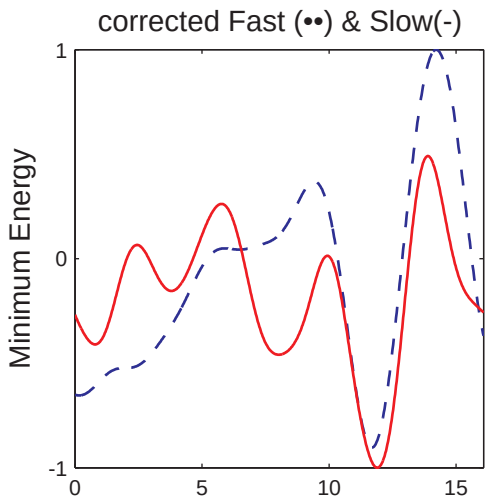
Inc = **10.6”**

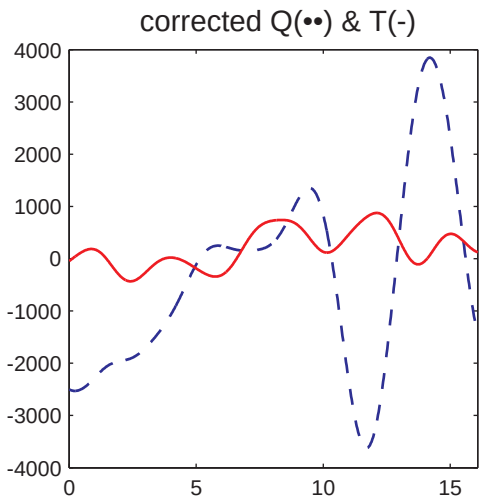


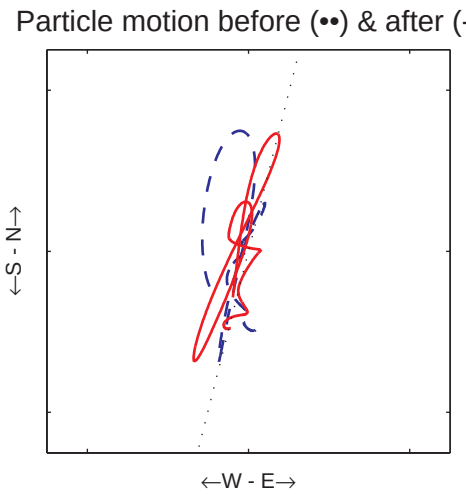


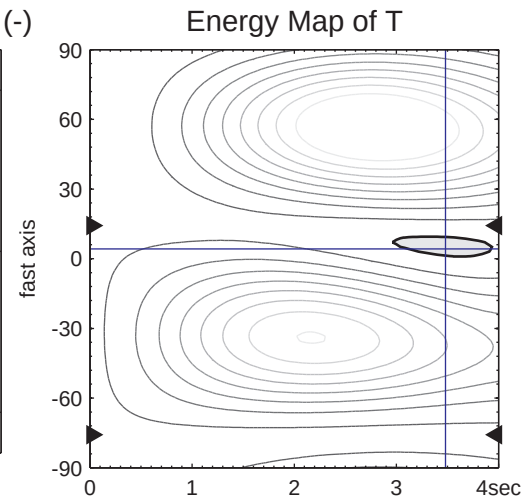


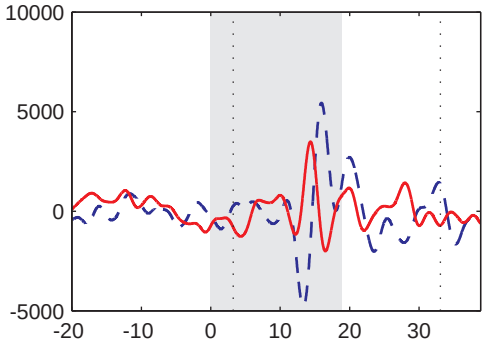








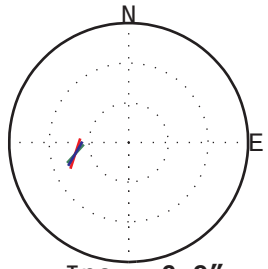




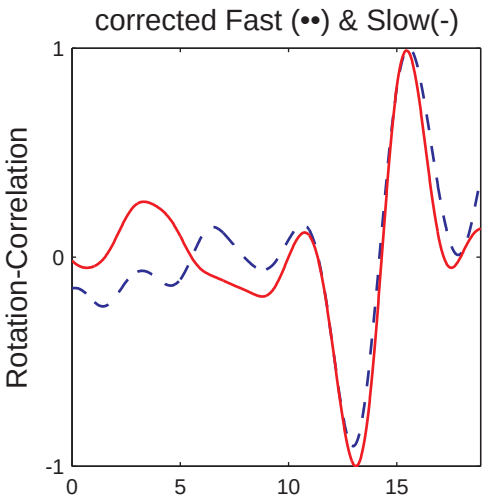
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **CEYT** Backazimuth: **258.2”** Distance: **112.08”**
init.Pol.: **86.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

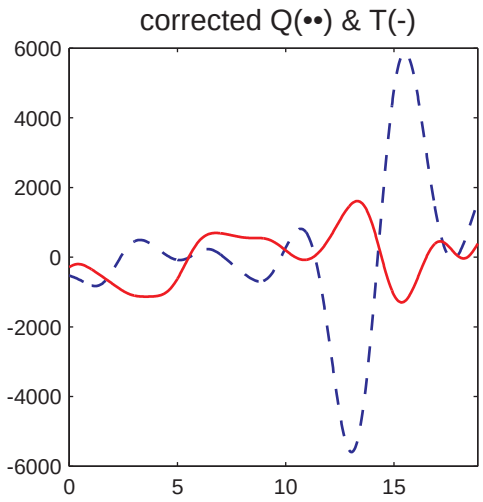
Rotation Correlation:	31<	42° <	56	0.6<0.8s<0.9
Minimum Energy:	11<	18° <	29	0.8<1.0s<1.3
Eigenvalue:	13<	30° <	58	0.6<0.9s<1.2

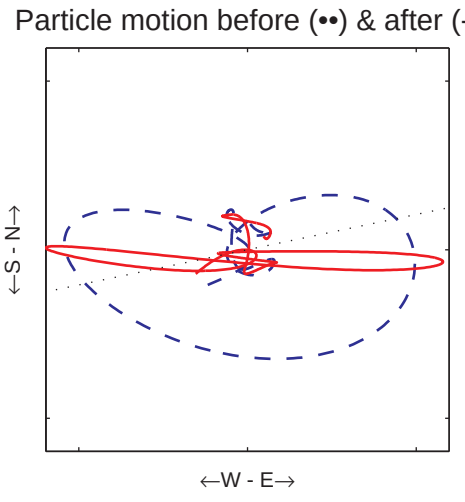
Quality: **fair** IsNull: **No** Phase: **SKS**

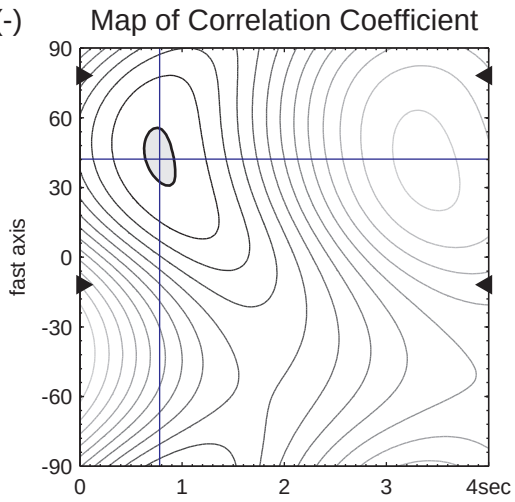


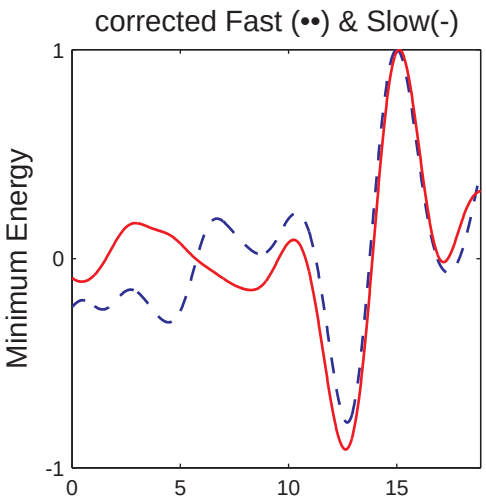
Inc = **6.9”**

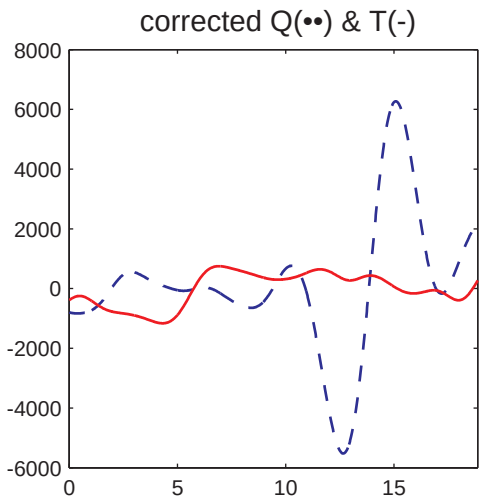


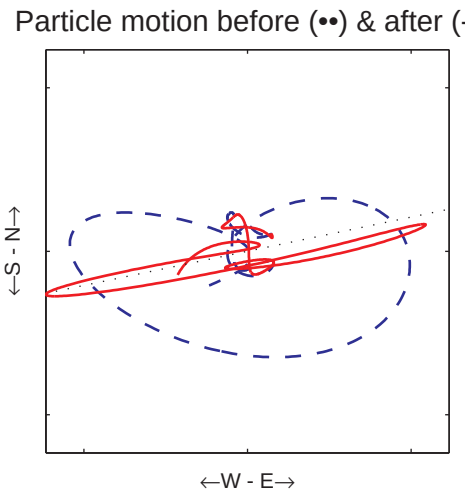


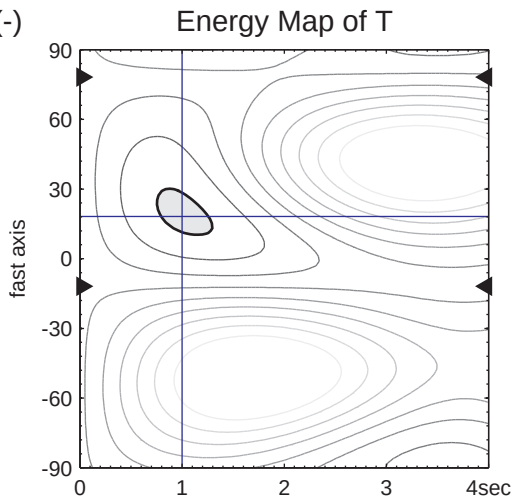


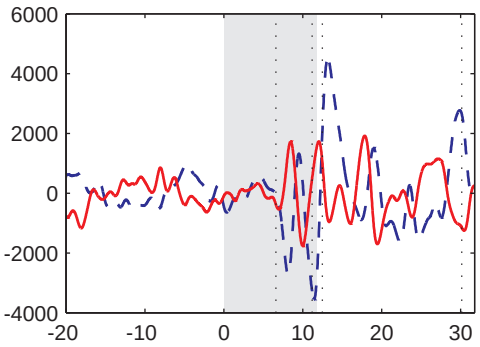








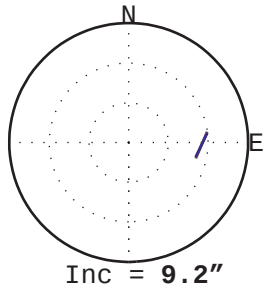


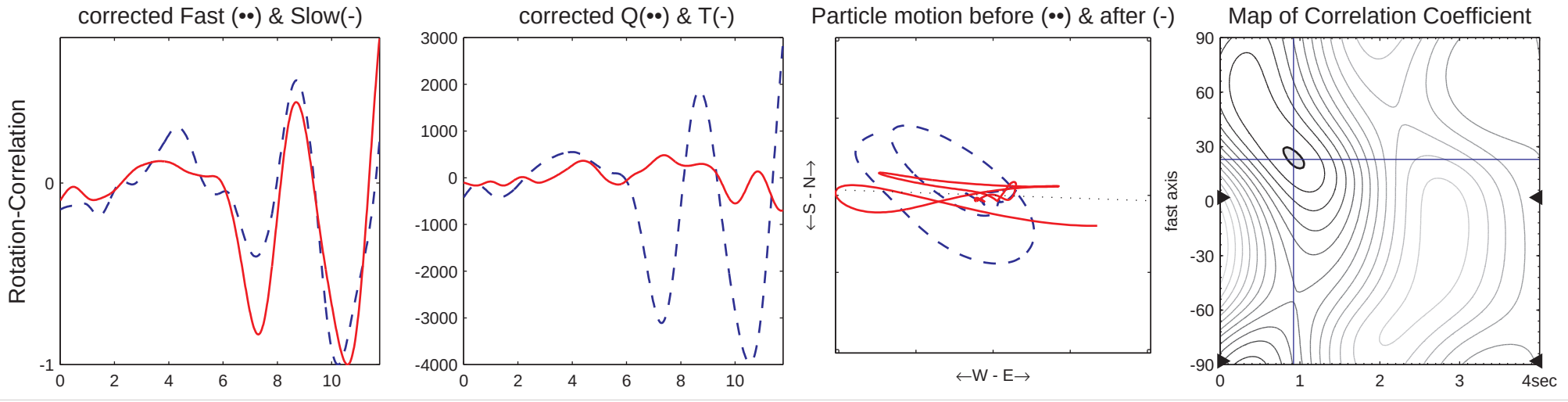


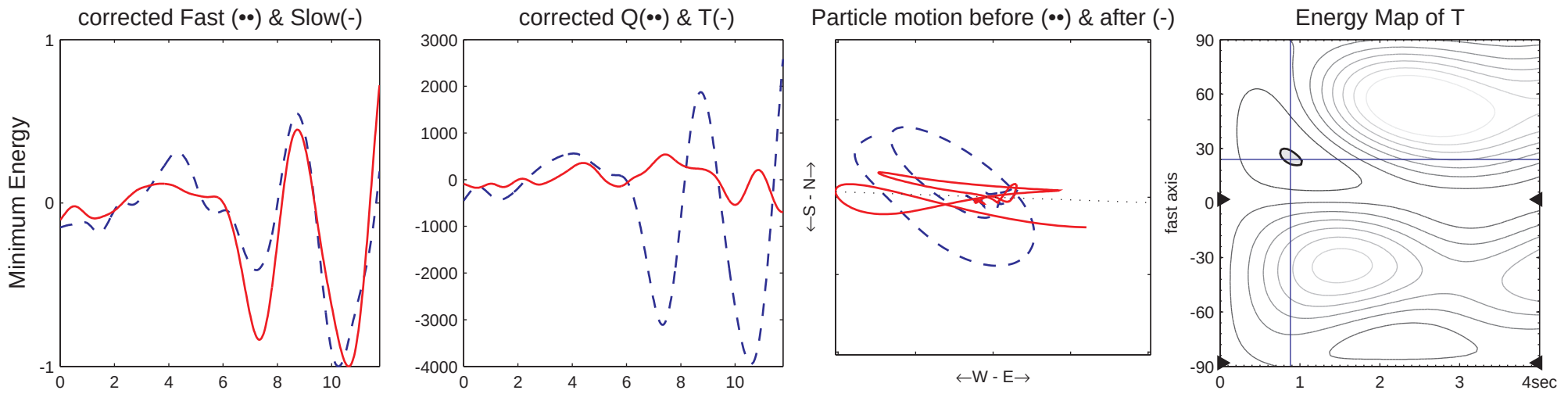
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **CEYT** Backazimuth: **92.0”** Distance: **96.10”**
init.Pol.: **274.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.6**

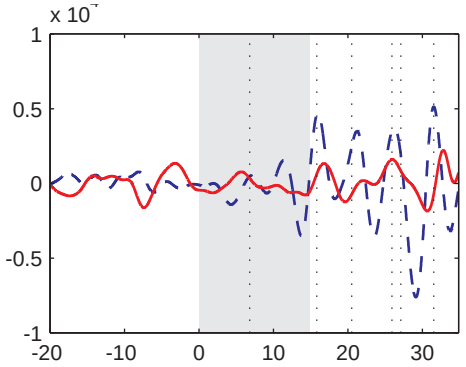
Rotation Correlation:	18<	23° <	30	0.8<0.9s<1.0
Minimum Energy:	21<	24° <	29	0.8<0.9s<1.0
Eigenvalue:	17<	26° <	48	0.6<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





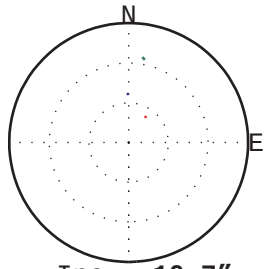




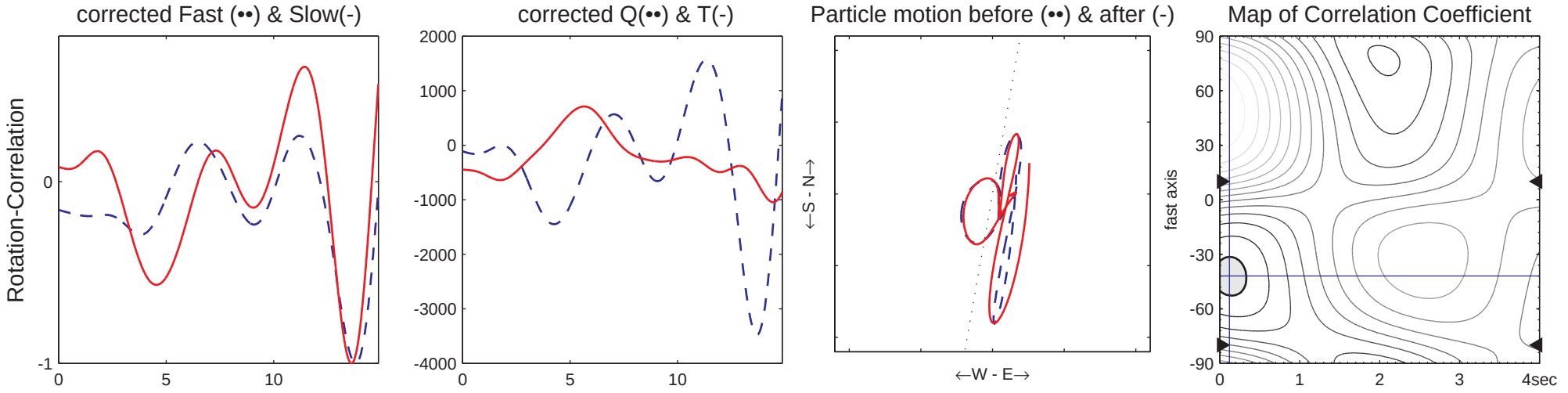
Event: **02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3**
Station: **CEYT** Backazimuth: **10.1”** Distance: **87.18”**
init.Pol.: **242.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

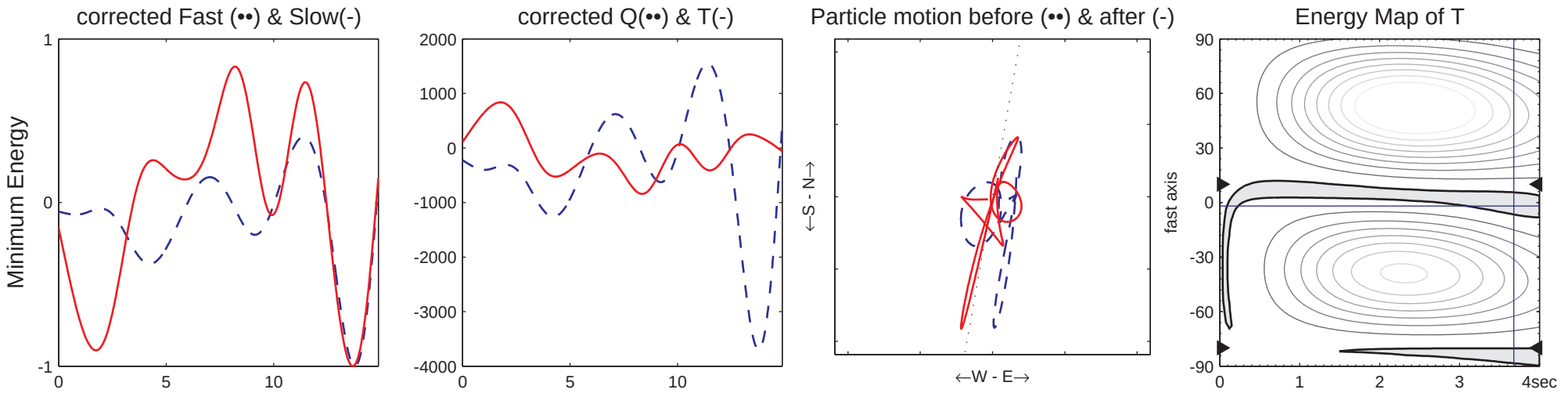
Rotation Correlation:	-54<	-42° < -33	0.0<0.1s<0.3
Minimum Energy:	-72<	-2° < 9	0.0<3.7s<4.0
Eigenvalue:	11<	24° < 41	2.2<2.4s<2.8

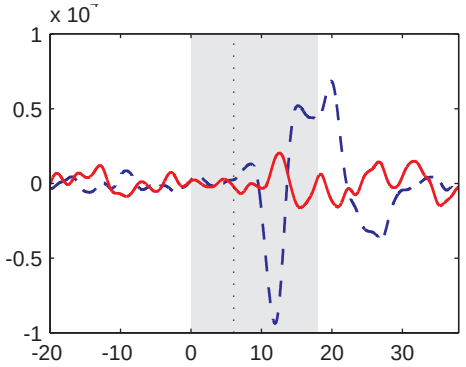
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.7”**



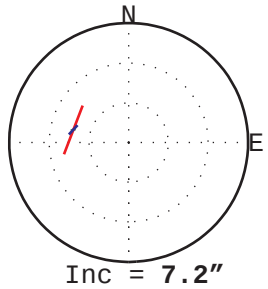


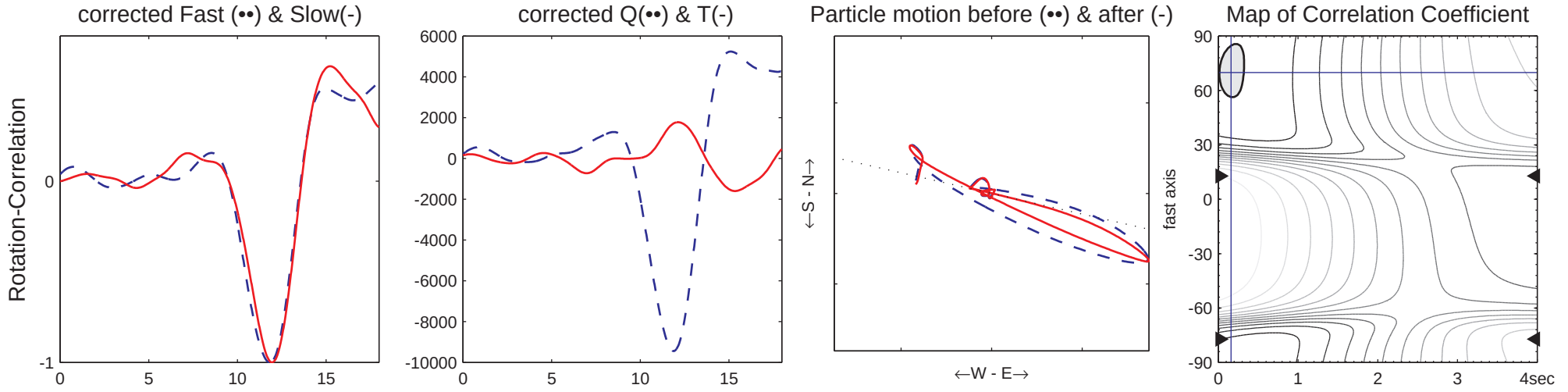


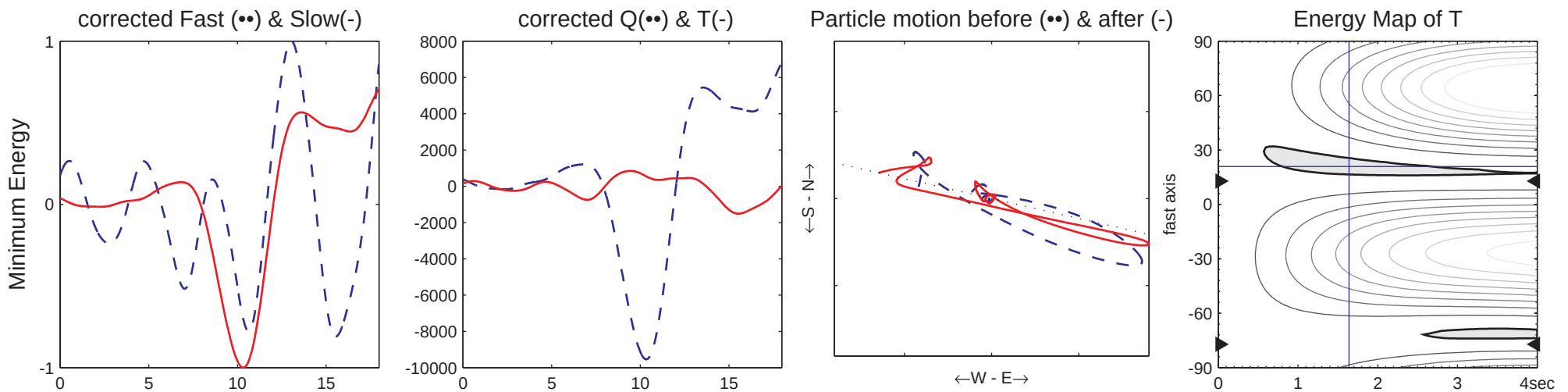
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **CEYT** Backazimuth: **282.8”** Distance: **110.09”**
init.Pol.: **112.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

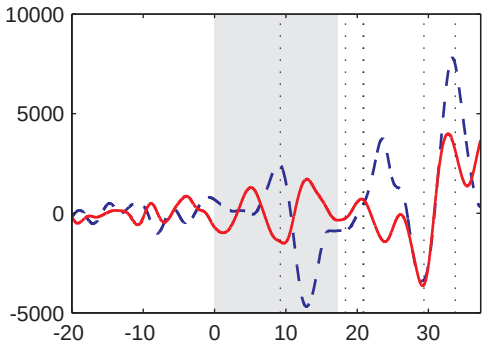
Rotation Correlation:	56<	70° <	86	0.0<0.2s<0.3
Minimum Energy:	15<	21° <	31	0.6<1.6s<4.0
Eigenvalue:	27<	43° <	-92	0.2<0.4s<1.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





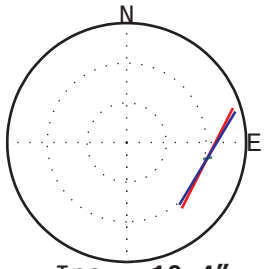




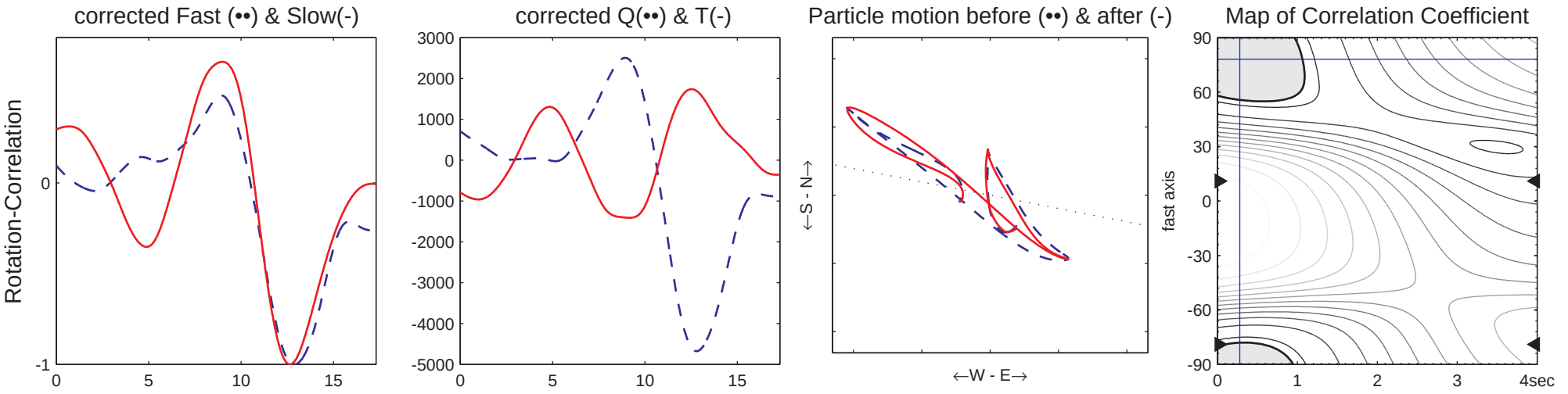
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **CEYT** Backazimuth: **101.1”** Distance: **89.16”**
init.Pol.: **288.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

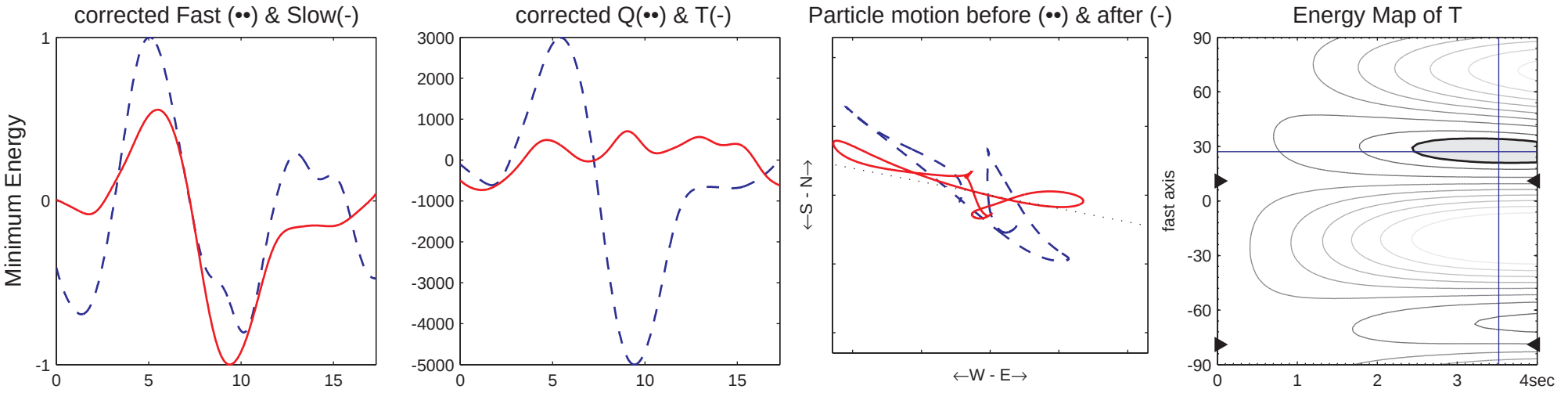
Rotation Correlation:	55<	78° <	-79	0.0<0.3s<1.1
Minimum Energy:	21<	27° <	33	2.4<3.5s<4.0
Eigenvalue:	23<	31° <	46	1.3<3.4s<4.0

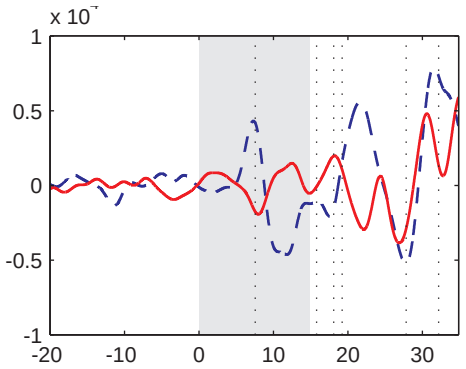
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.4”**



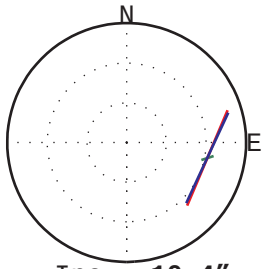




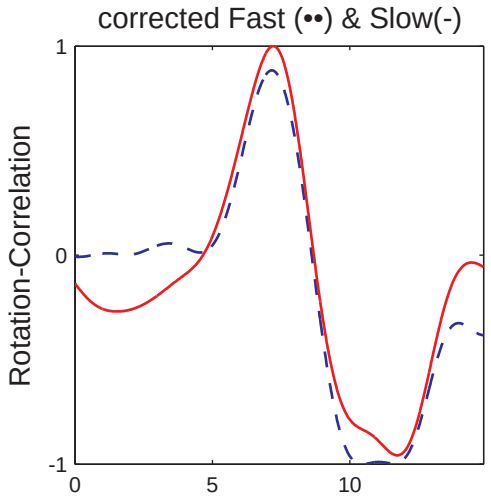
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **CEYT** Backazimuth: **100.9”** Distance: **89.19”**
init.Pol.: **285.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

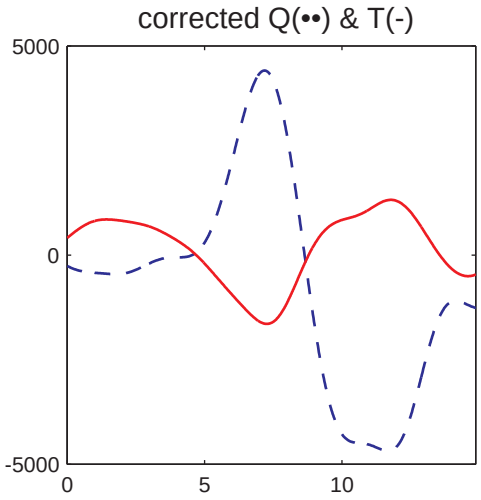
Rotation Correlation:	52<	72° < -89	0.0<0.4s<0.8
Minimum Energy:	17<	23° < 27	1.9<3.2s<4.0
Eigenvalue:	19<	25° < -74	0.2<3.1s<4.0

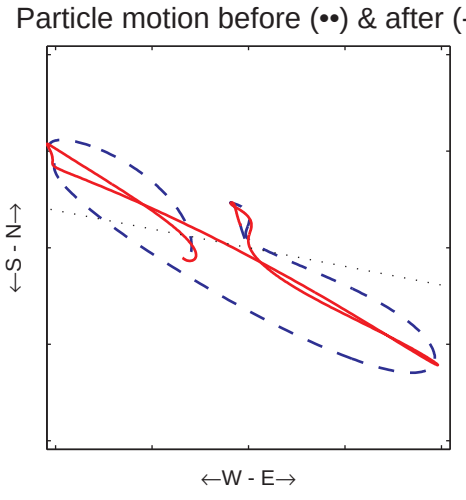
Quality: **good** IsNull: **Yes** Phase: **SKS**

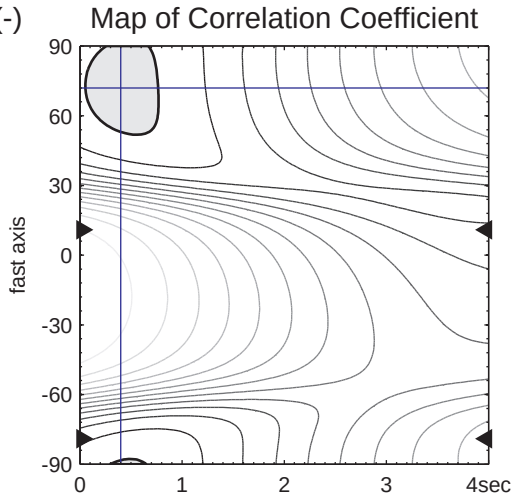


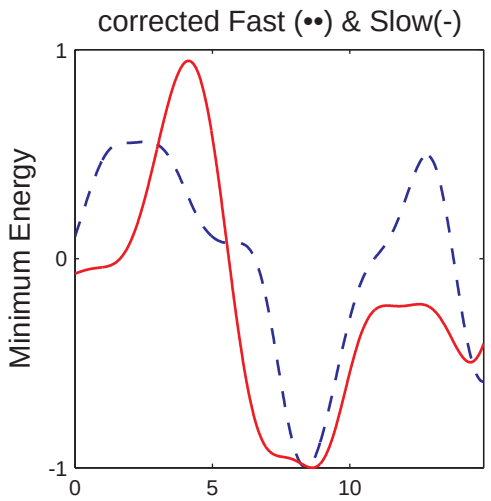
Inc = **10.4”**

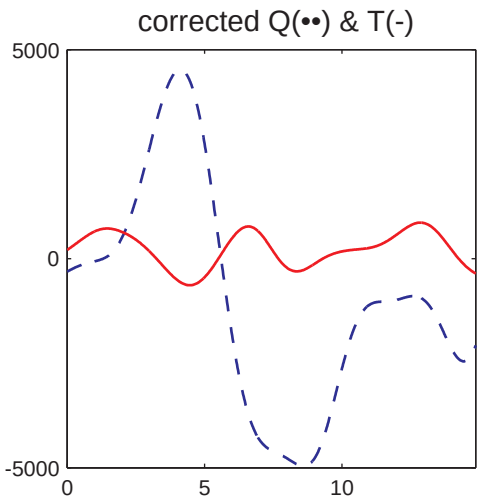


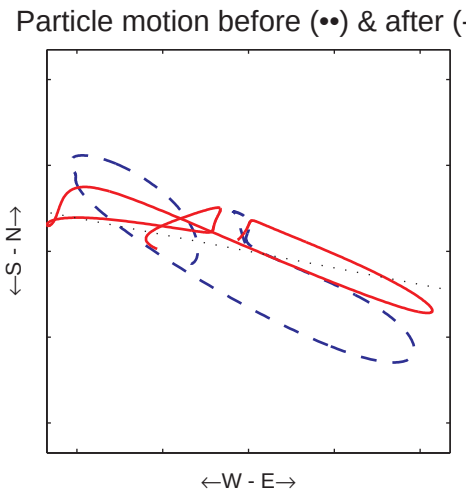


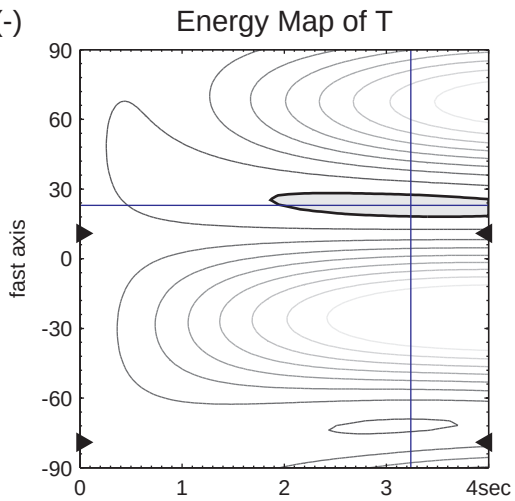


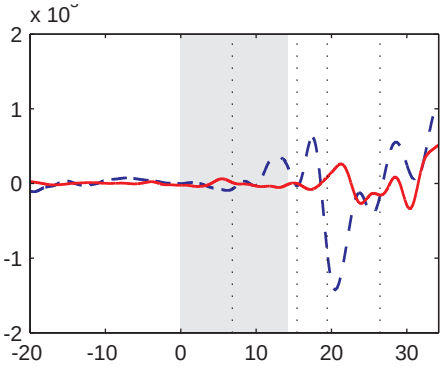








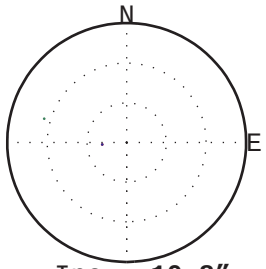




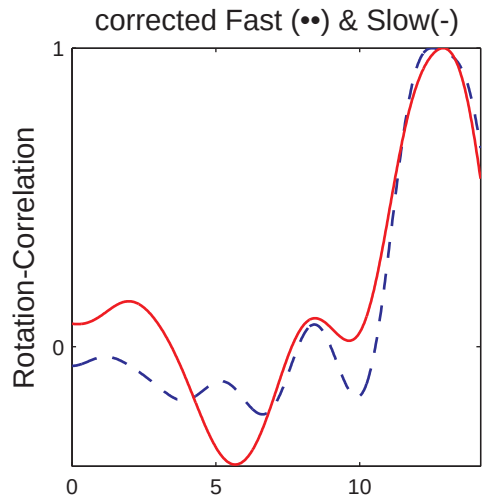
Event: **29-Nov-2007 (333) 19:00 14.94N -61.27E 156km Mw=7.4**
Station: **CEYT** Backazimuth: **286.1”** Distance: **86.51”**
init.Pol.: **113.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

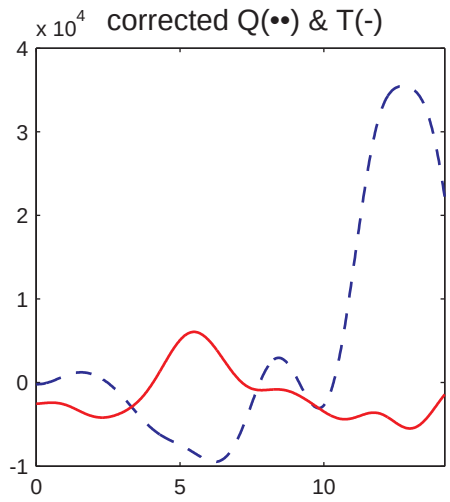
Rotation Correlation:	58<	70° <	84	0.0<0.0s<0.1
Minimum Energy:	-74<	-66° <	-62	1.1<4.0s<4.0
Eigenvalue:	-70<	-66° <	-64	2.2<4.0s<4.0

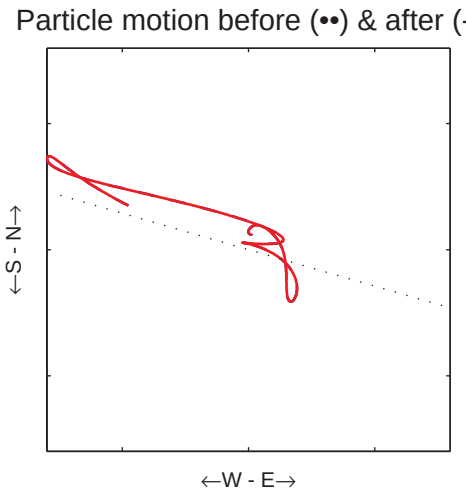
Quality: **good** IsNull: **Yes** Phase: **SKS**

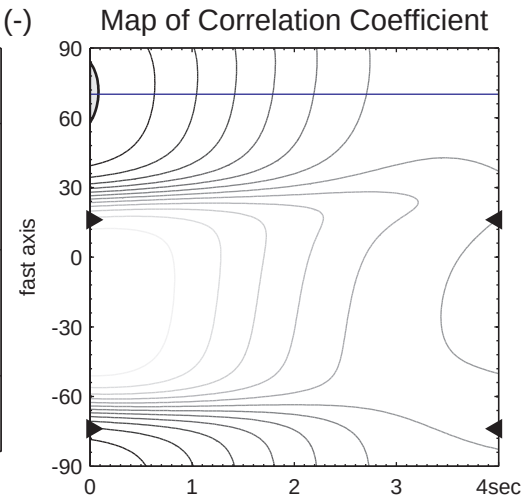


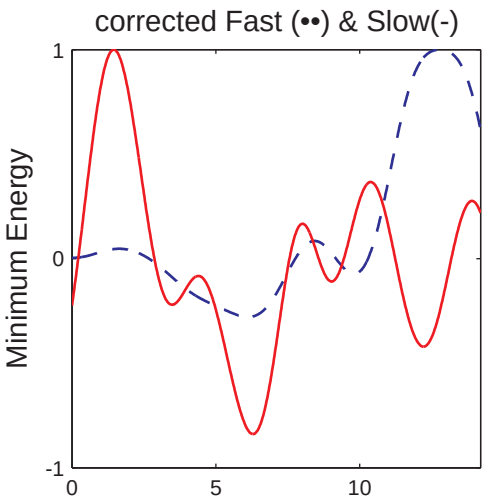
Inc = **10.8”**

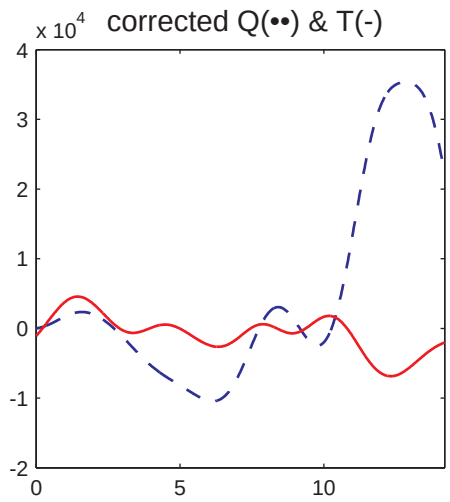


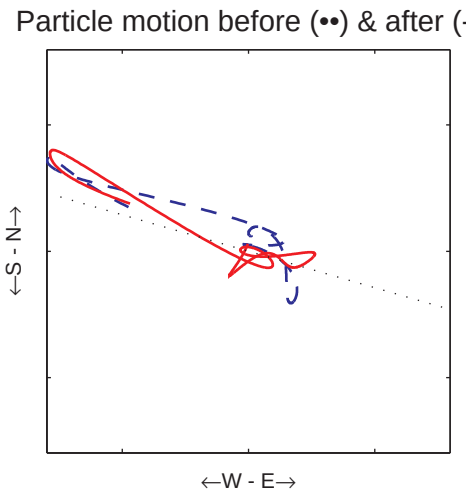


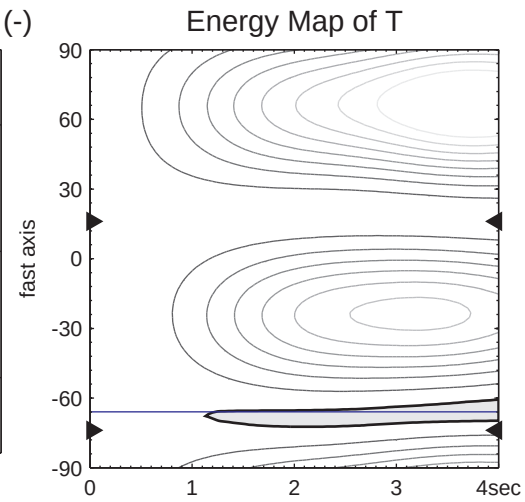


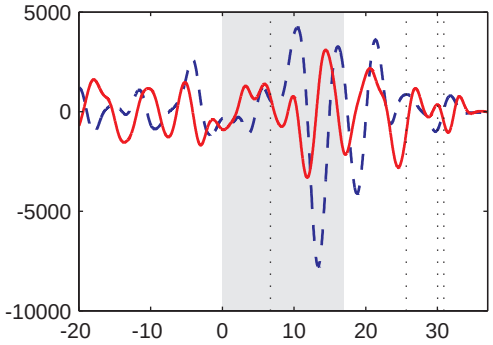








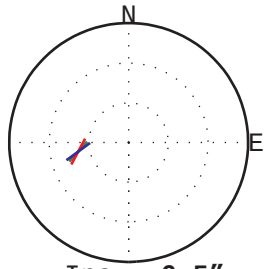




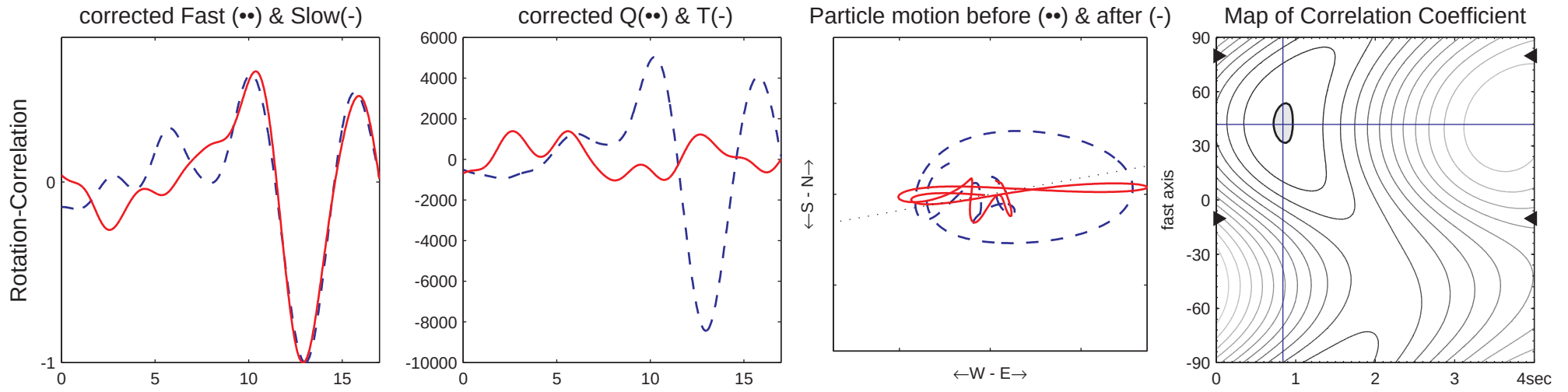
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **CEYT** Backazimuth: **259.8”** Distance: **115.89”**
init.Pol.: **92.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

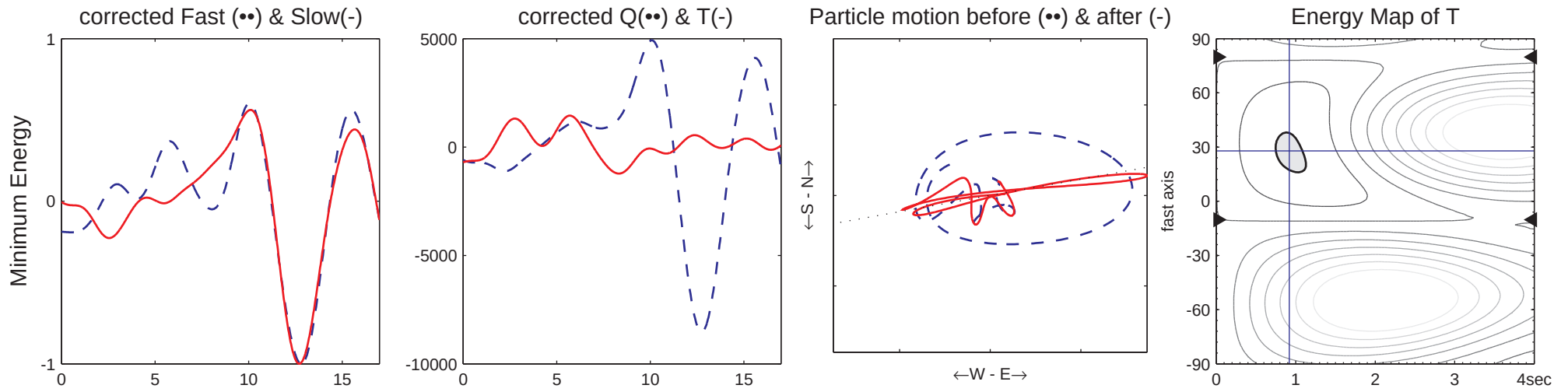
Rotation Correlation:	32<	42° <	54	0.7<0.8s<1.0
Minimum Energy:	15<	28° <	37	0.8<0.9s<1.1
Eigenvalue:	25<	54° <	74	0.8<0.9s<1.2

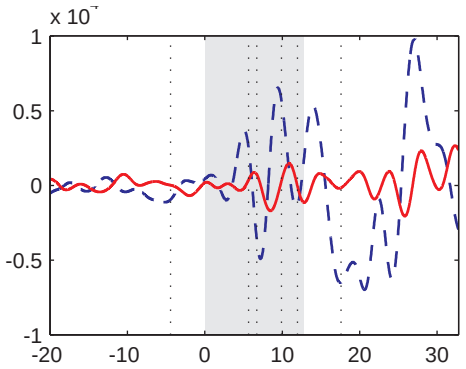
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.5”**



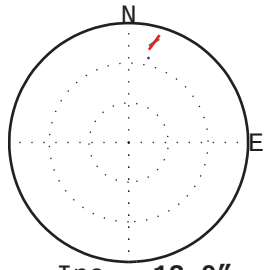




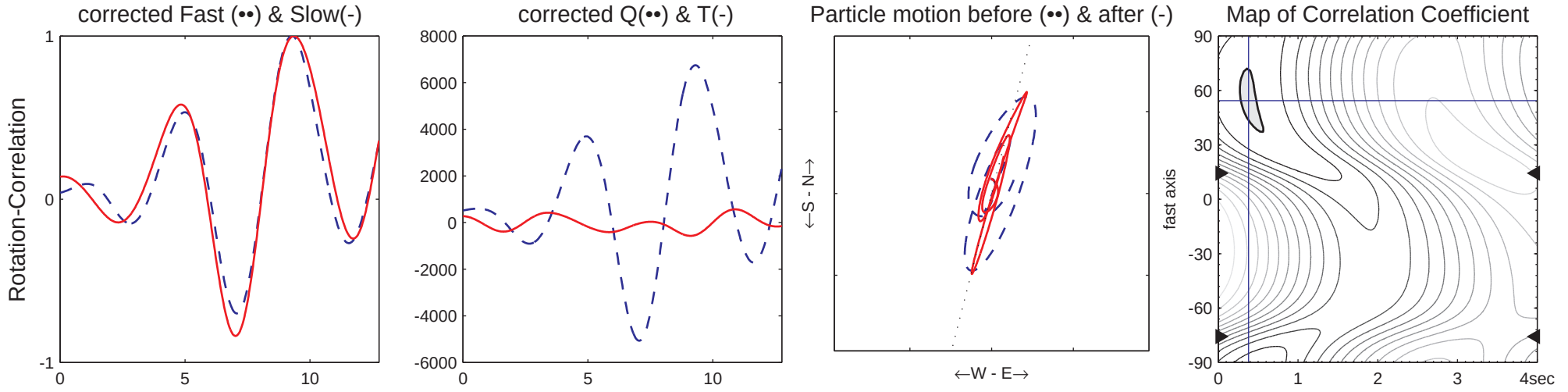
Event: **26-Dec-2007 (360) 22:04 52.56N -168.22E 25km Mw=6.4**
Station: **CEYT** Backazimuth: **14.3”** Distance: **88.03”**
init.Pol.: **184.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.2**

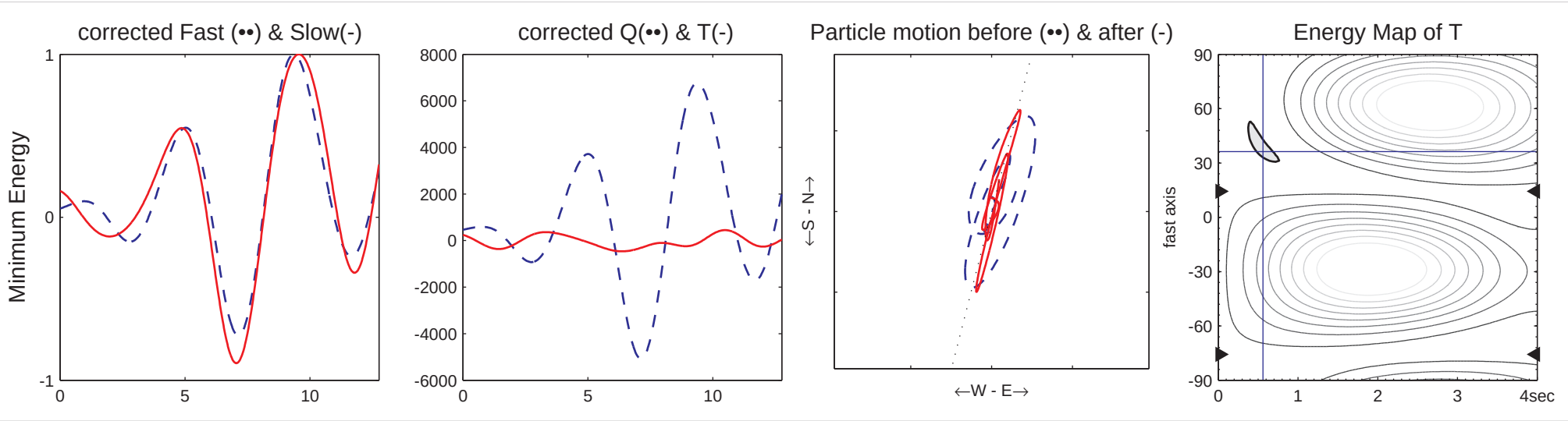
Rotation Correlation:	37<	54° <	72	0.3<0.4s<0.6
Minimum Energy:	31<	36° <	54	0.4<0.6s<0.8
Eigenvalue:	17<	20° <	29	0.7<1.0s<1.3

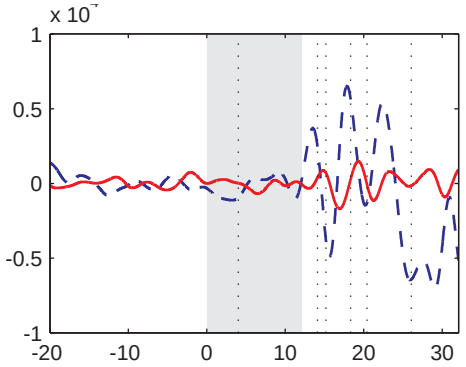
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



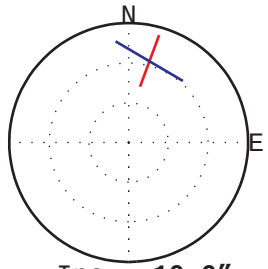




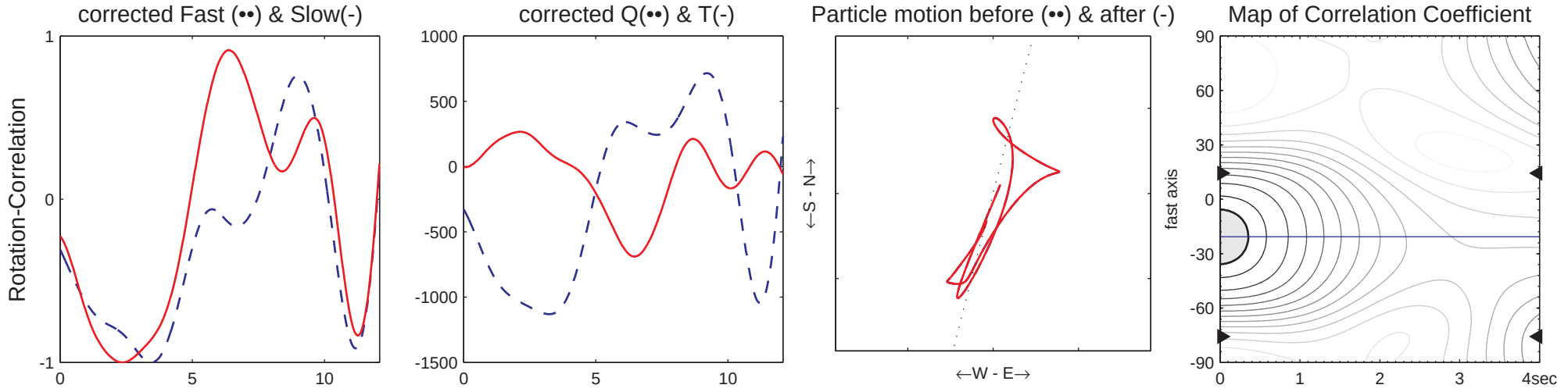
Event: **26-Dec-2007 (360) 22:04 52.56N -168.22E 25km Mw=6.4**
Station: **CEYT** Backazimuth: **14.3”** Distance: **88.03”**
init.Pol.: **214.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.4**

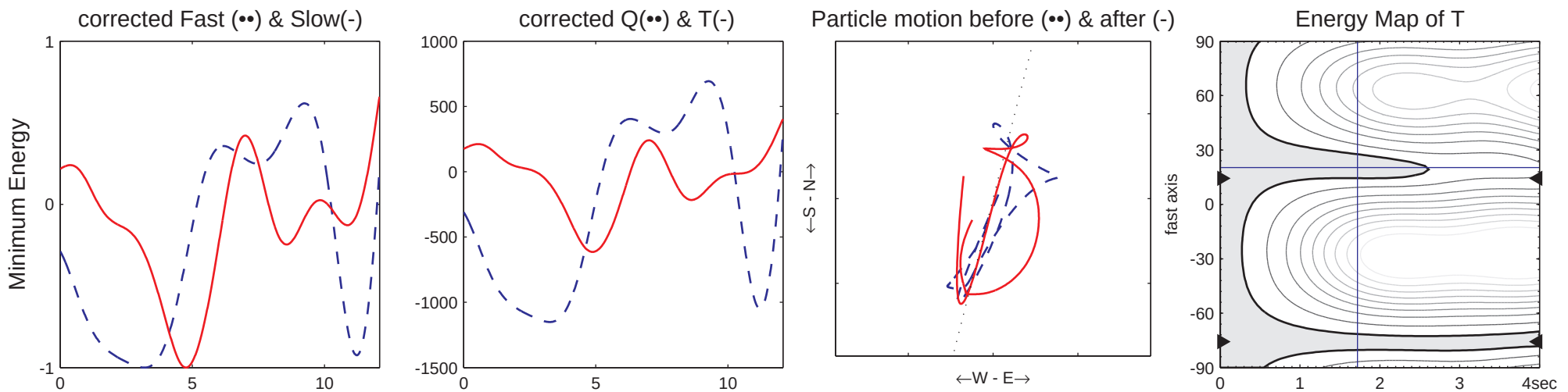
Rotation Correlation:	-37<	-21° < -7	0.0<0.0s<0.4
Minimum Energy:	-Inf<	20° < Inf	0.0<1.7s<Inf
Eigenvalue:	-Inf<	-60° < Inf	0.0<2.4s<Inf

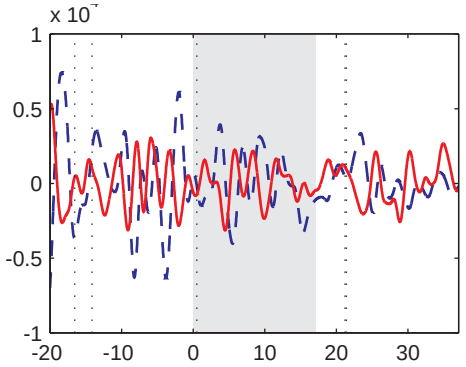
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.6”**



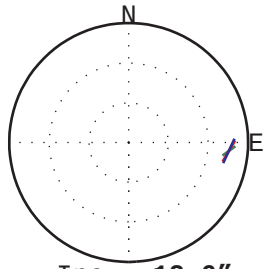




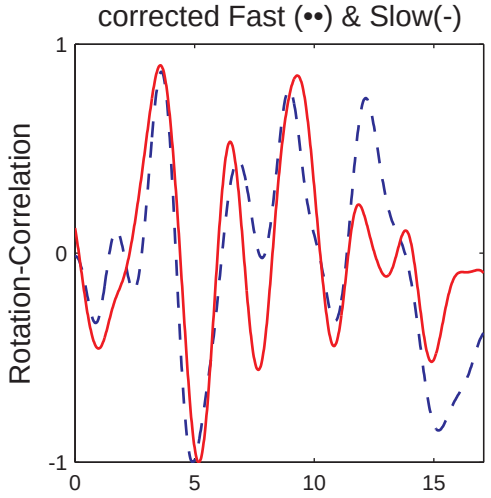
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **CEYT** Backazimuth: **94.8”** Distance: **97.20”**
init.Pol.: **268.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

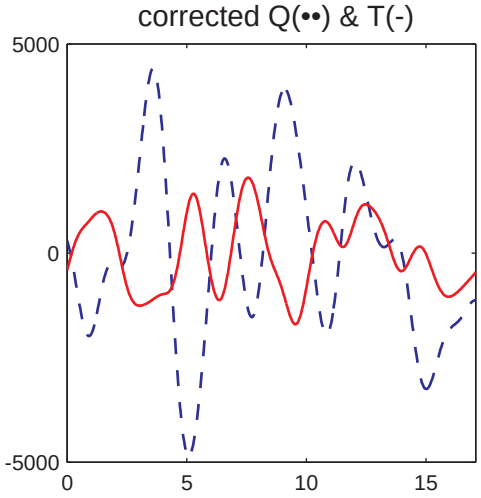
Rotation Correlation:	26<	54° <	70	0.4<0.5s<0.8
Minimum Energy:	23<	31° <	41	0.5<0.8s<1.0
Eigenvalue:	9<	25° <	48	0.5<0.8s<1.2

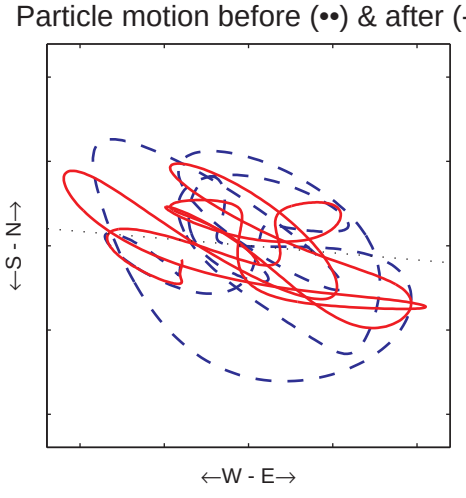
Quality: **fair** IsNull: **No** Phase: **SKKS**

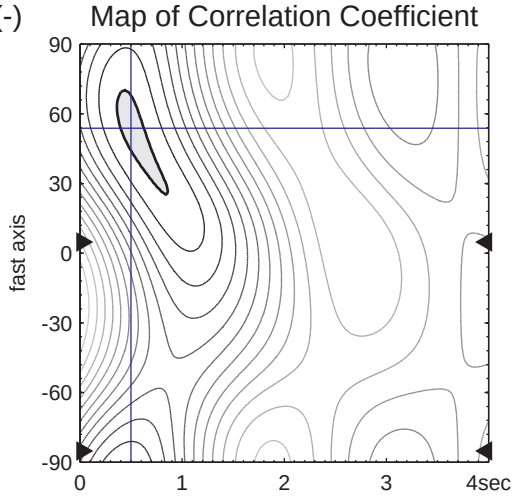


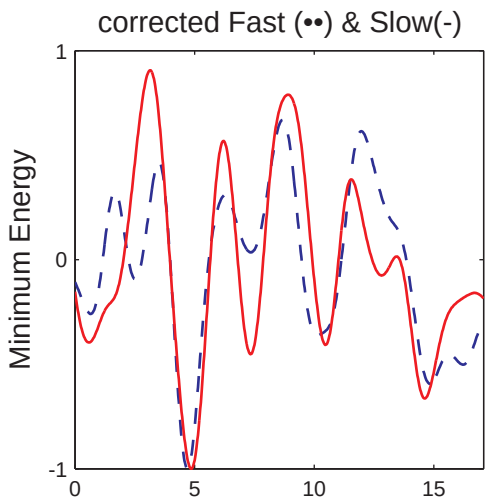
Inc = **12.6”**

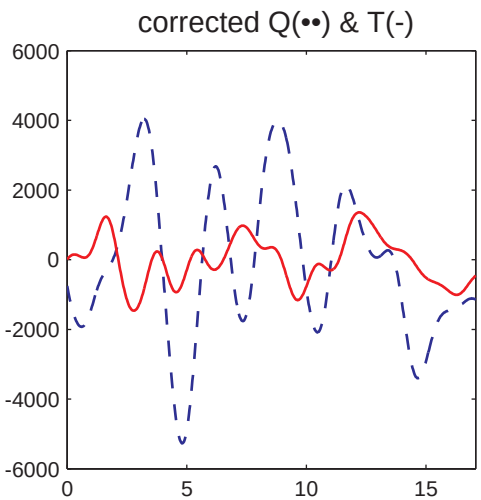


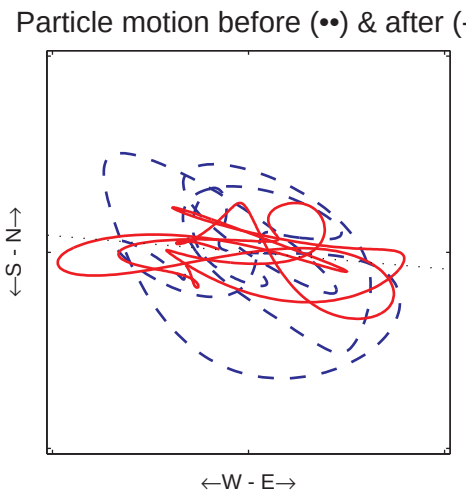


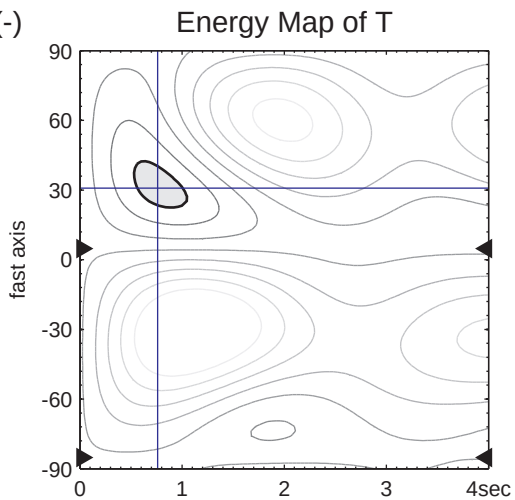


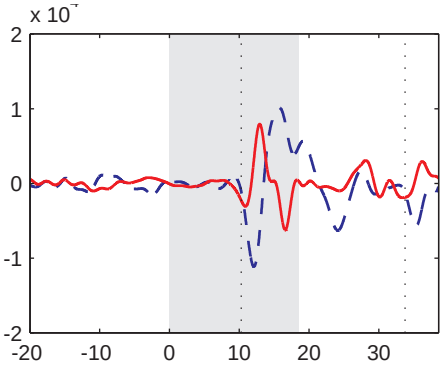








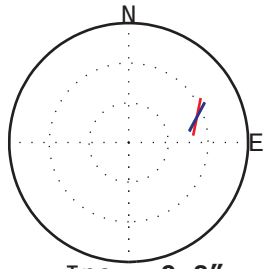


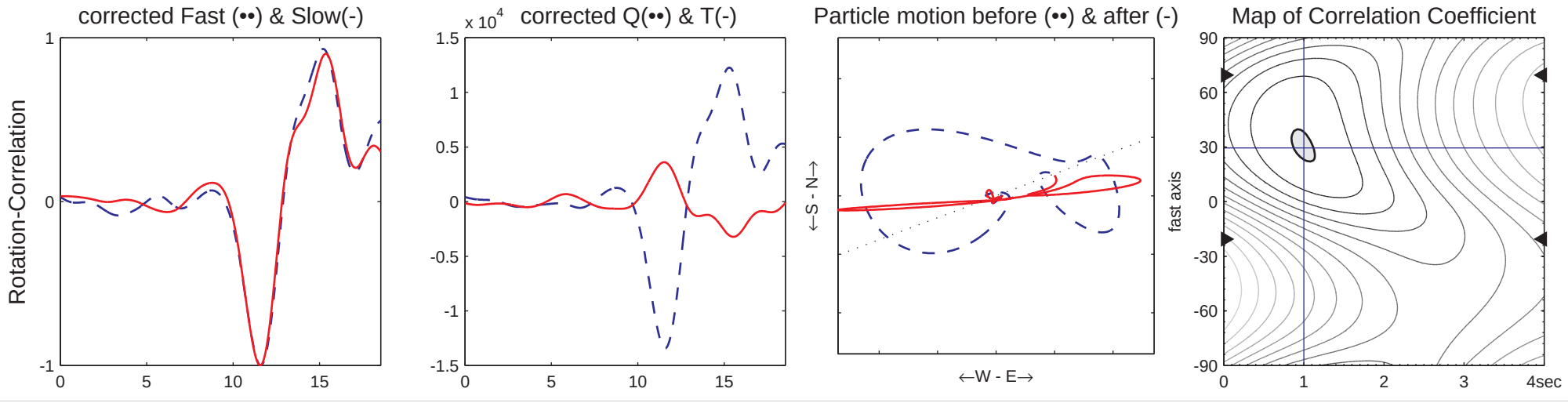


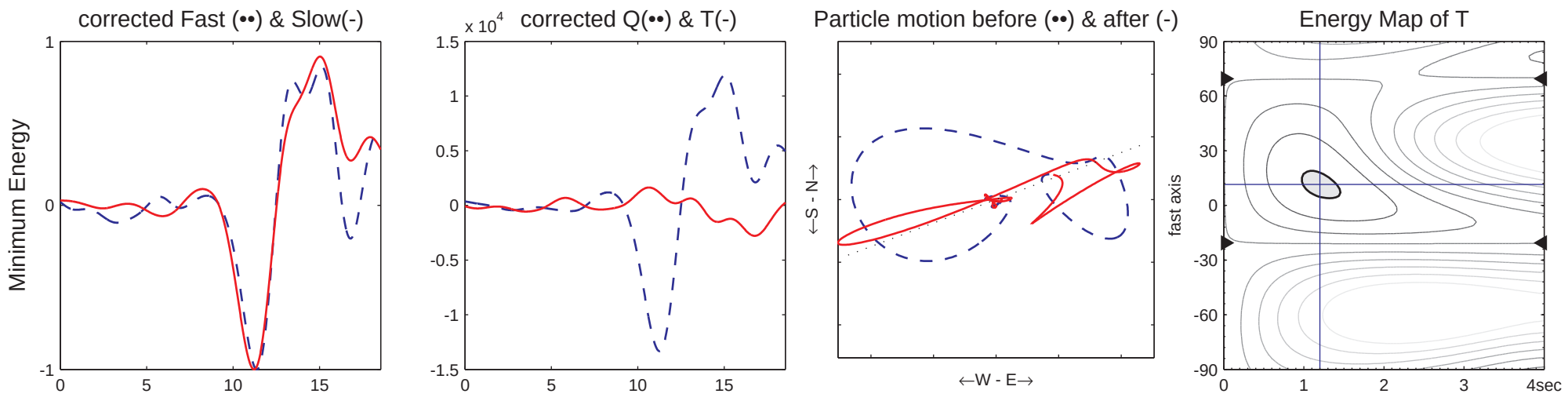
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **CEYT** Backazimuth: **69.5”** Distance: **95.92”**
init.Pol.: **262.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.9**

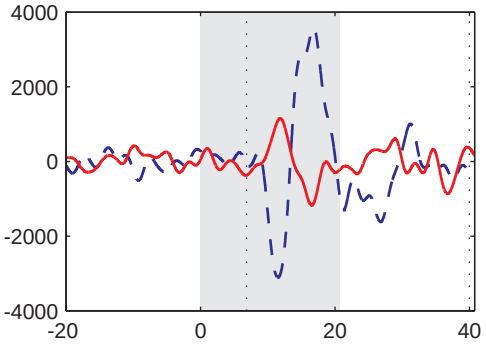
Rotation Correlation:	22<	29° <	40	0.8<1.0s<1.1
Minimum Energy:	3<	11° <	19	1.0<1.2s<1.4
Eigenvalue:	23<	27° <	31	1.0<1.0s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





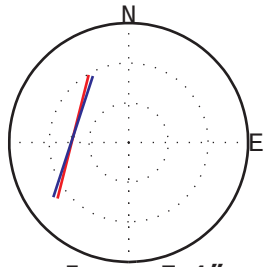




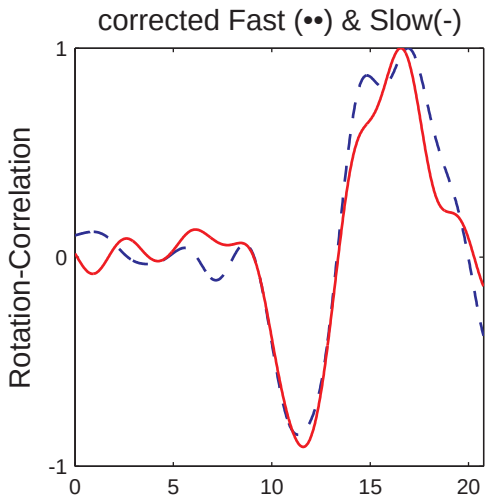
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **CEYT** Backazimuth: **276.1”** Distance: **110.63”**
init.Pol.: **102.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.4**

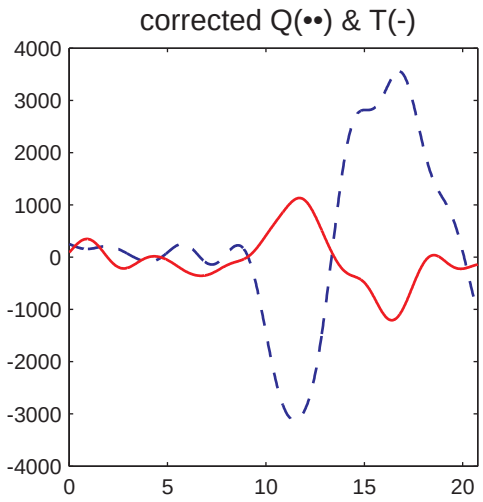
Rotation Correlation:	54<	66° <	81	0.0<0.1s<0.3
Minimum Energy:	13<	14° <	19	3.6<4.0s<4.0
Eigenvalue:	17<	18° <	23	3.0<4.0s<4.0

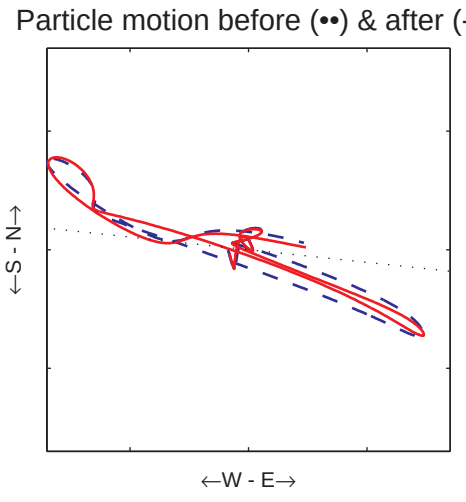
Quality: **good** IsNull: **Yes** Phase: **SKS**

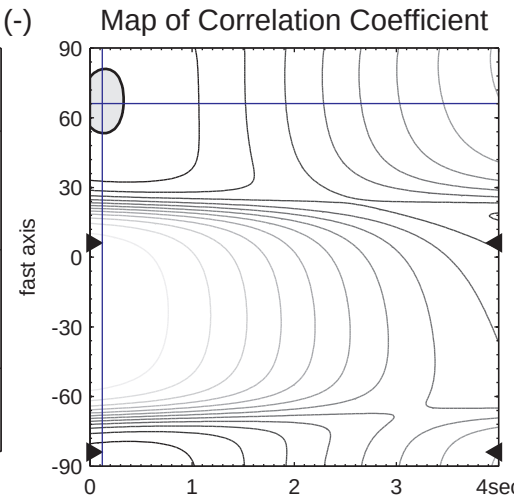


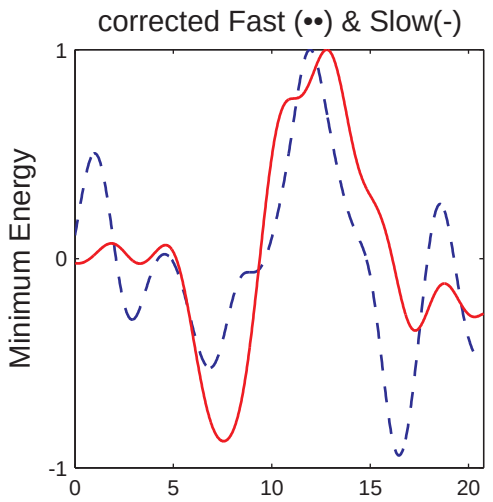
Inc = **7.1”**

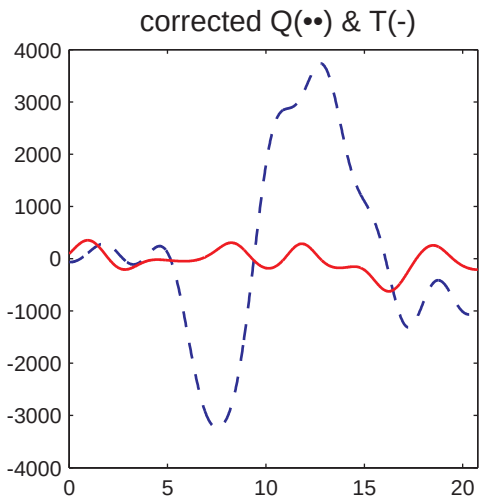


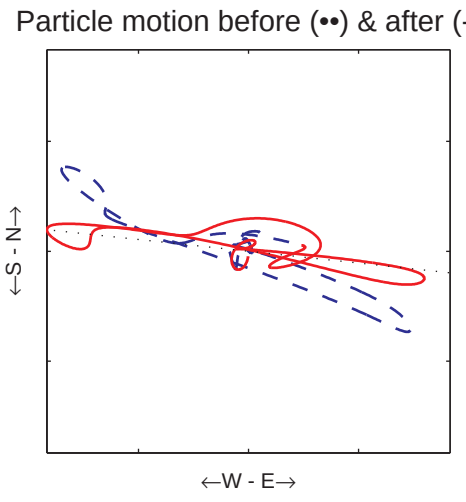


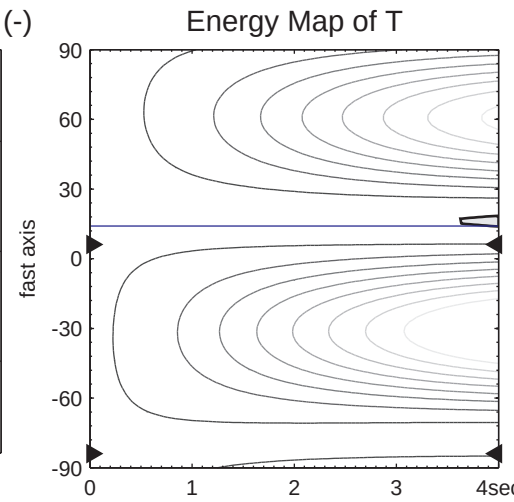


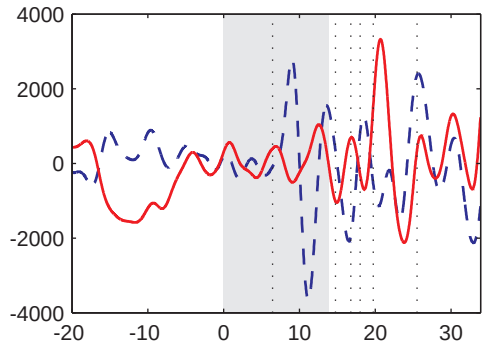








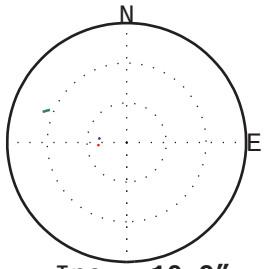




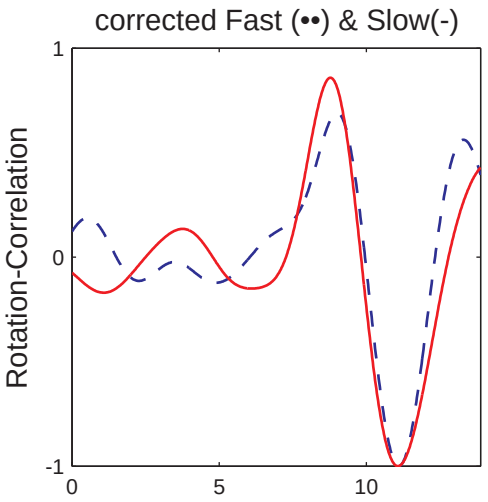
Event: **11-Oct-2008 (285) 10:40 19.16N -64.83E 23km Mw=6.1**
Station: **CEYT** Backazimuth: **291.5”** Distance: **86.61”**
init.Pol.: **100.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

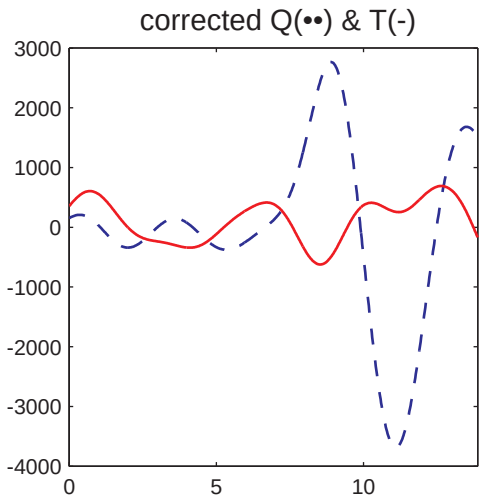
Rotation Correlation:	58<	74° < -90	0.0<0.2s<0.4
Minimum Energy:	-66<	-56° < -54	3.5<3.9s<4.0
Eigenvalue:	-74<	-62° < -60	3.4<3.8s<4.0

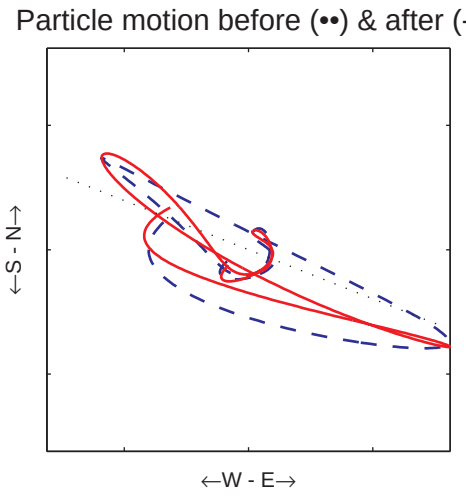
Quality: **good** IsNull: **Yes** Phase: **SKS**

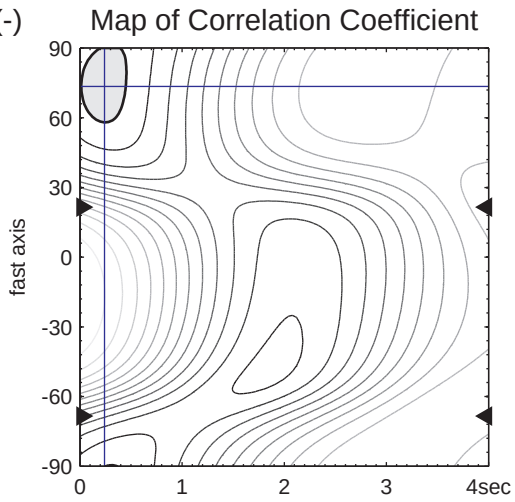


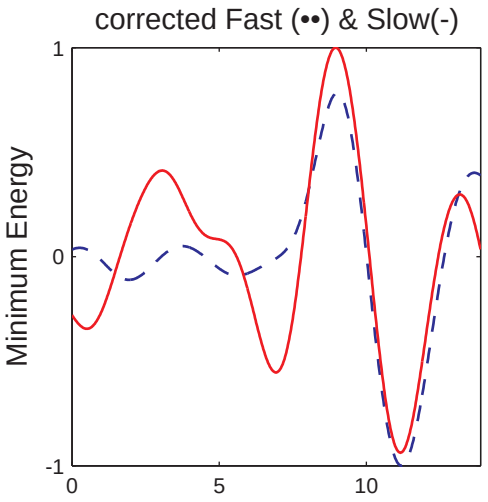
Inc = **10.9”**

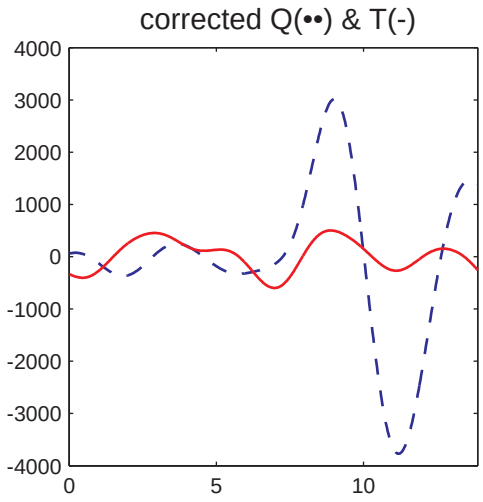


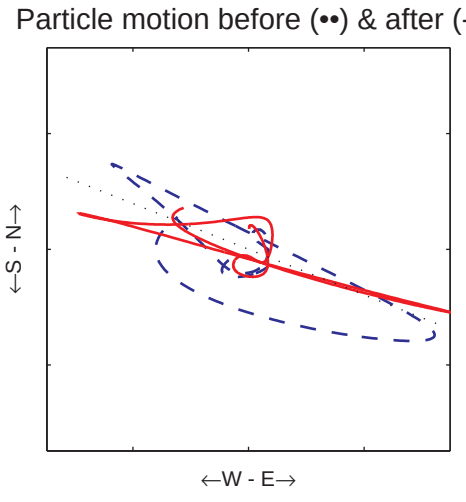


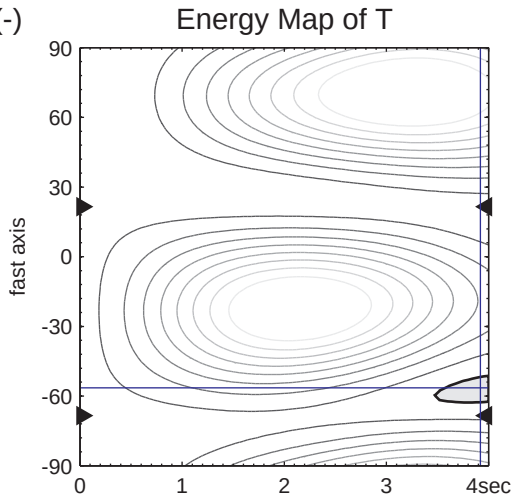


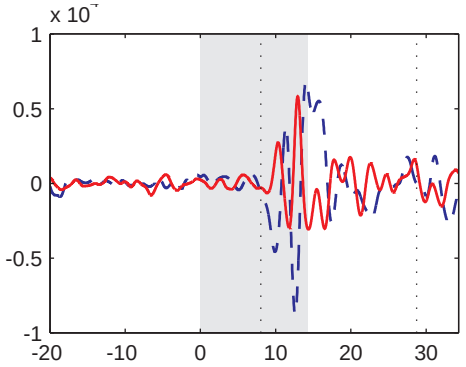








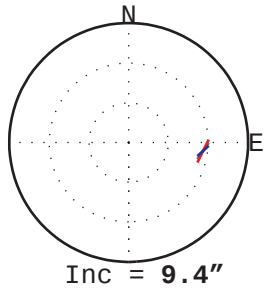


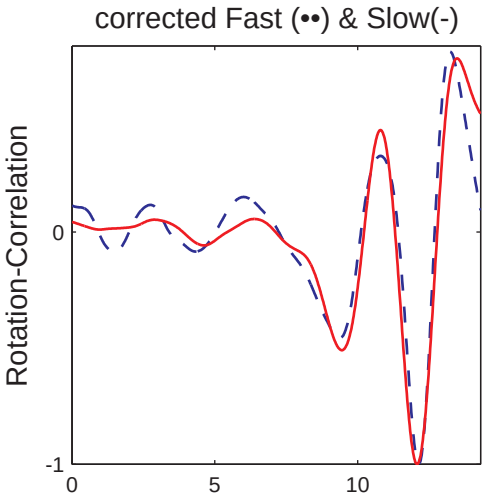


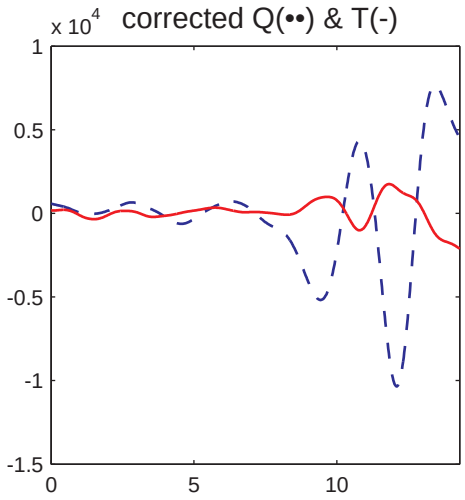
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **CEYT** Backazimuth: **96.5”** Distance: **93.65”**
init.Pol.: **293.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.4**

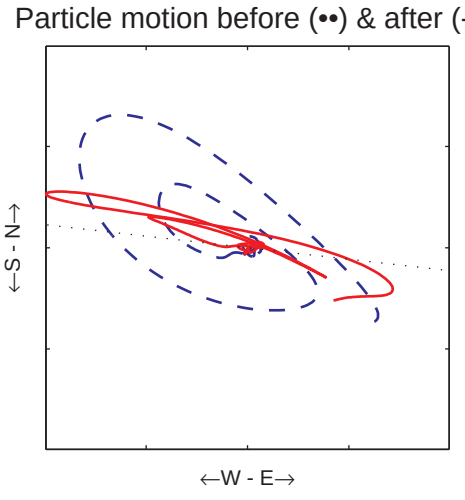
Rotation Correlation:	33<	36° <	44	0.5<0.6s<0.7
Minimum Energy:	25<	27° <	31	0.7<0.8s<0.9
Eigenvalue:	41<	49° <	56	0.4<0.5s<0.6

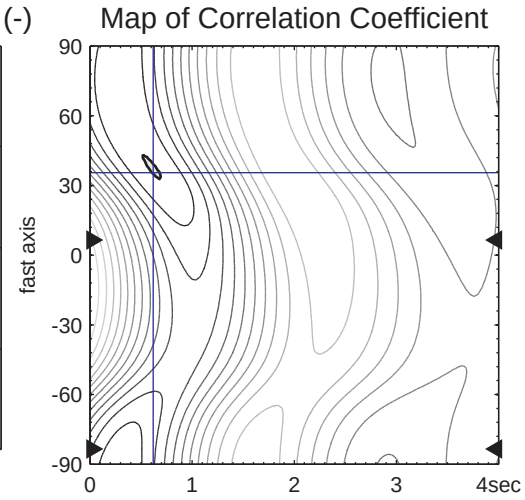
Quality: **fair** IsNull: **No** Phase: **SKS**

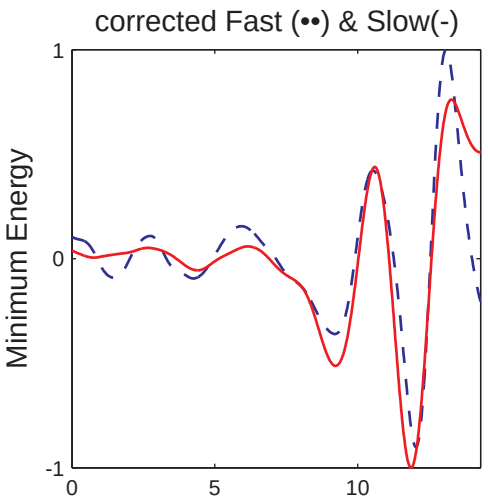


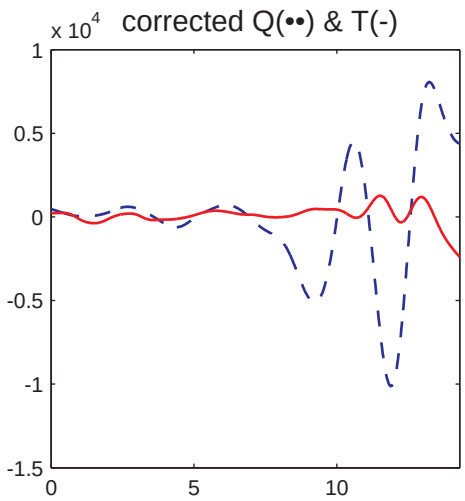


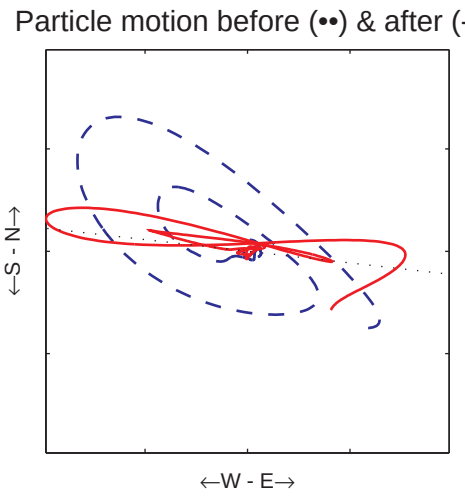


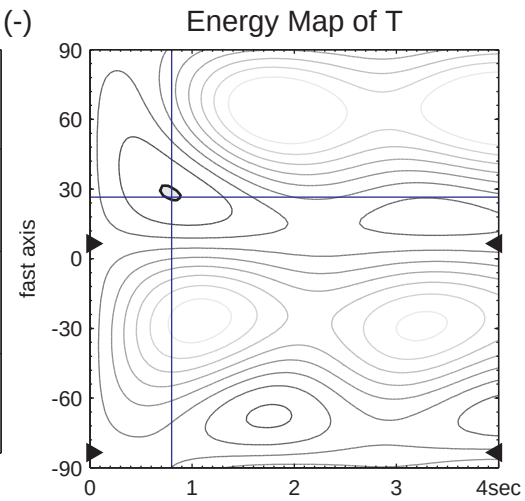


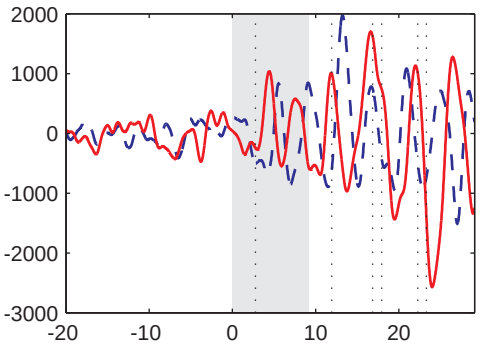








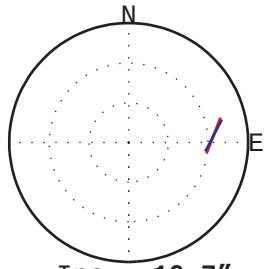




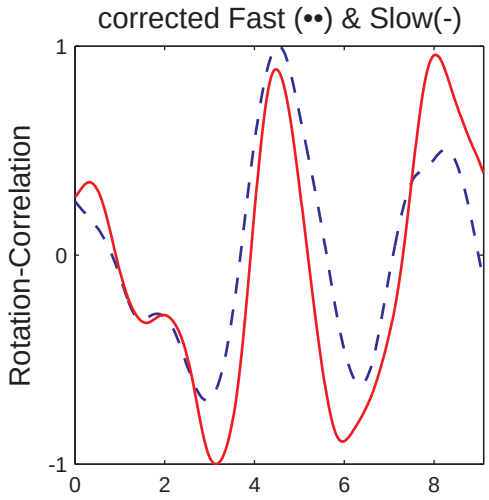
Event: **14-Jun-2009 (165) 05:58 5.36N 126.44E 35km Mw=6.1**
Station: **CEYT** Backazimuth: **85.3”** Distance: **87.33”**
init.Pol.: **274.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

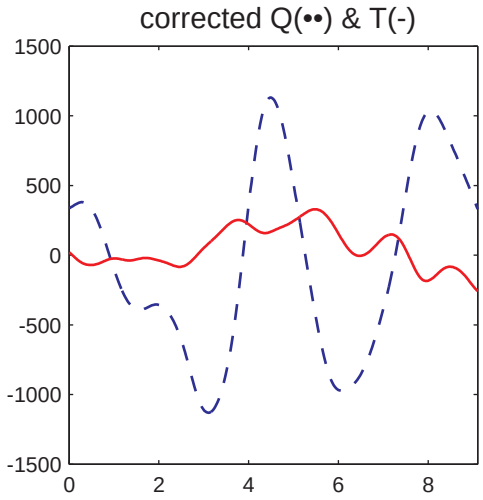
Rotation Correlation:	11<	22° <	34	1.0<1.1s<1.3
Minimum Energy:	17<	21° <	25	1.0<1.2s<1.4
Eigenvalue:	13<	27° <	39	0.9<1.1s<1.3

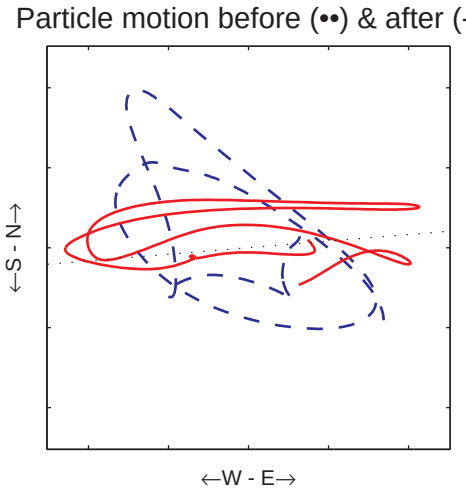
Quality: **good** IsNull: **No** Phase: **SKS**

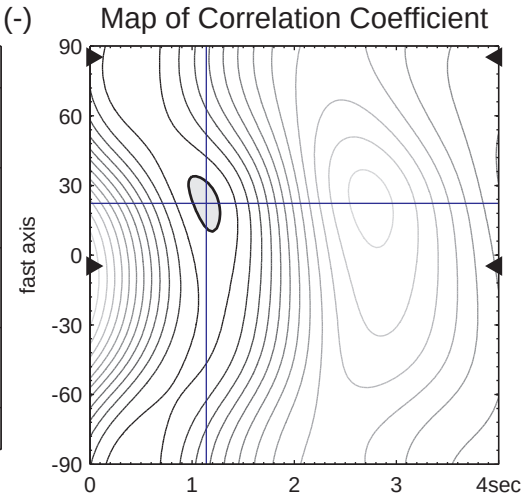


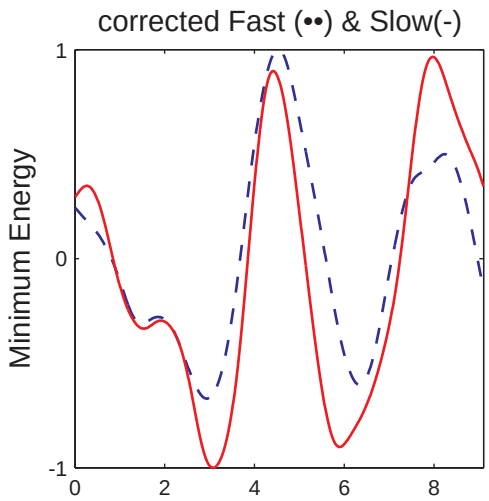
Inc = **10.7”**

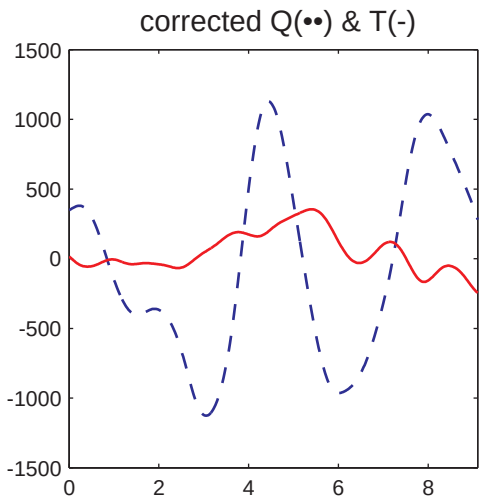


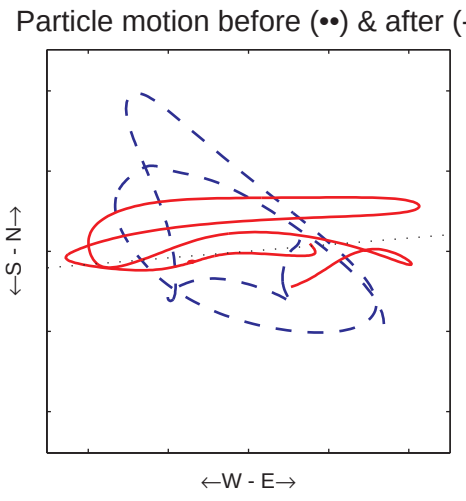


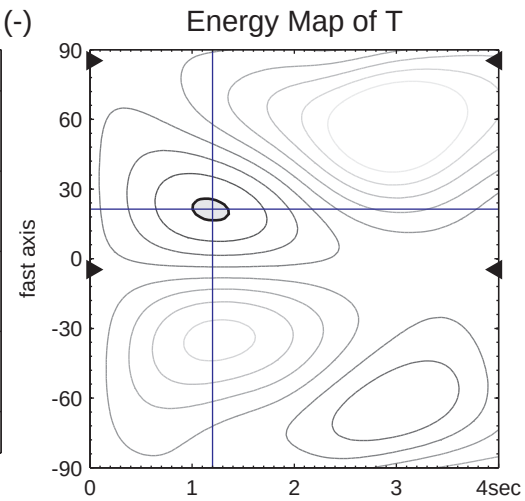


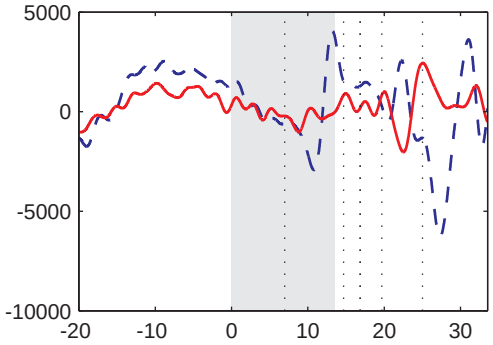








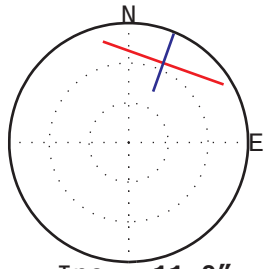




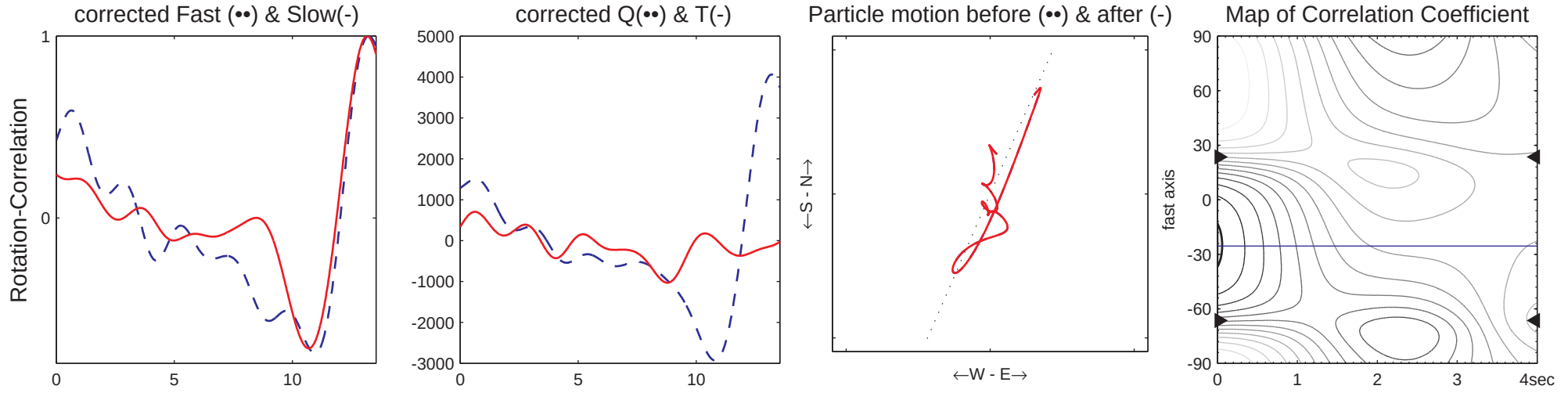
Event: **06-Jul-2009 (187) 14:53 50.44N 176.99E 22km Mw=6.1**
Station: **CEYT** Backazimuth: **23.6”** Distance: **86.13”**
init.Pol.: **189.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

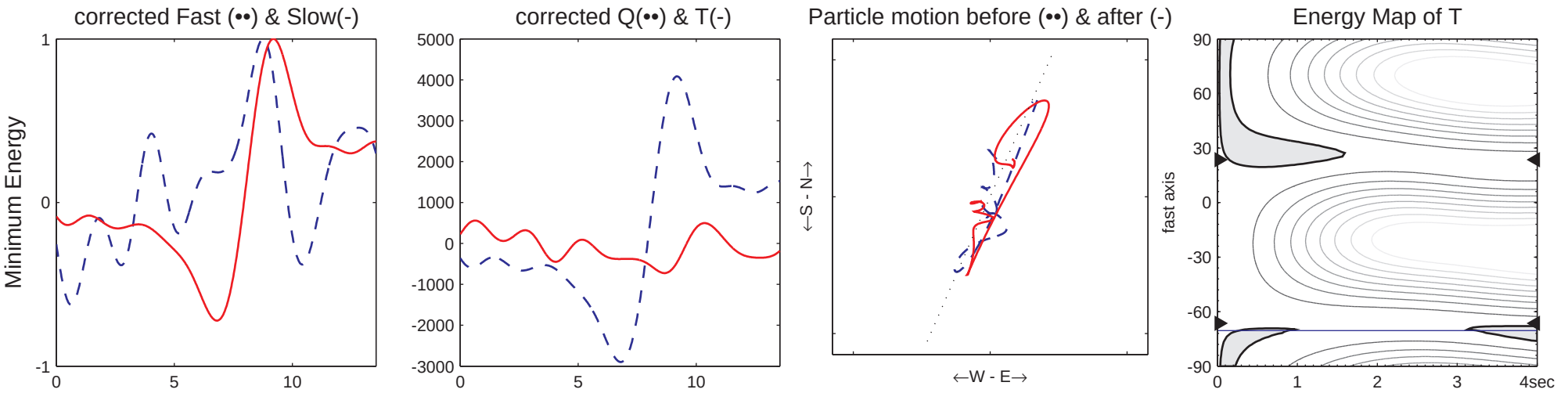
Rotation Correlation:	-38<	-25° < -14	0.0<0.0s<0.1
Minimum Energy:	-78<	-70° < -70	3.1<4.0s<4.0
Eigenvalue:	13<	20° < 27	0.8<1.9s<2.4

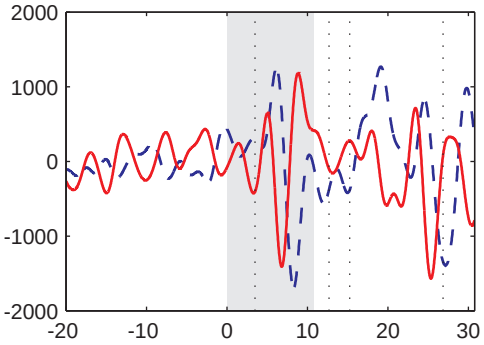
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **11.0”**



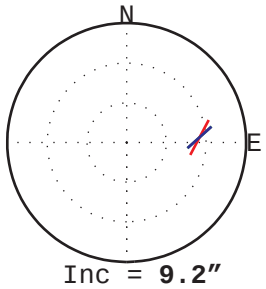


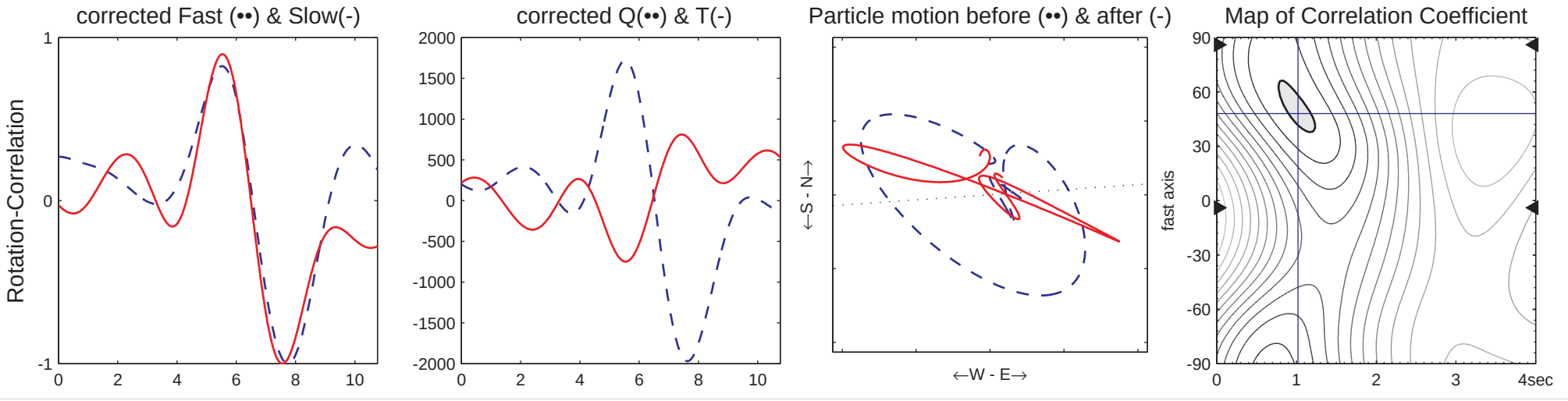


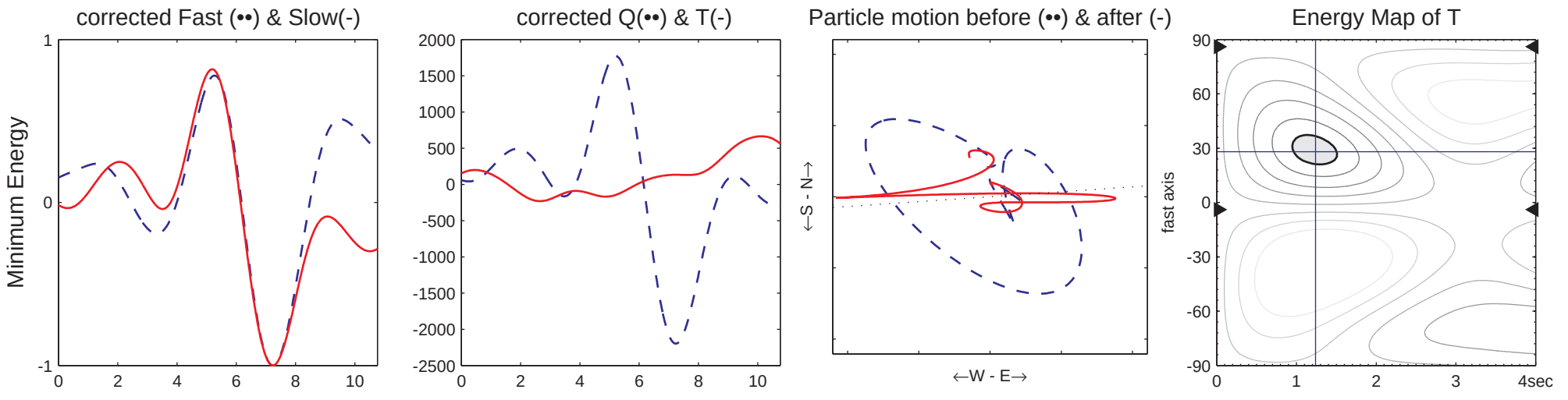
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **CEYT** Backazimuth: **86.0”** Distance: **95.98”**
init.Pol.: **288.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

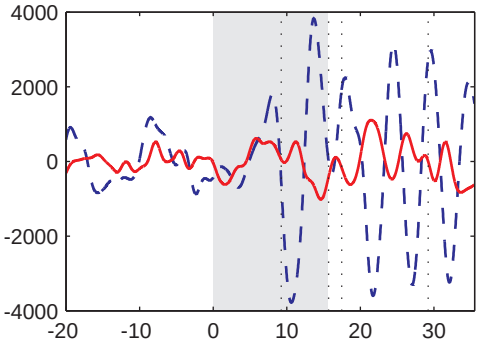
Rotation Correlation:	38<	48° <	66	0.8<1.0s<1.2
Minimum Energy:	21<	28° <	37	1.0<1.2s<1.5
Eigenvalue:	35<	48° <	68	0.7<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





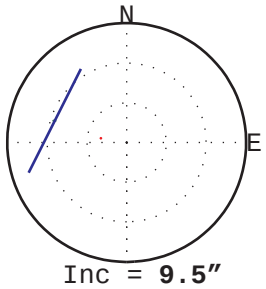


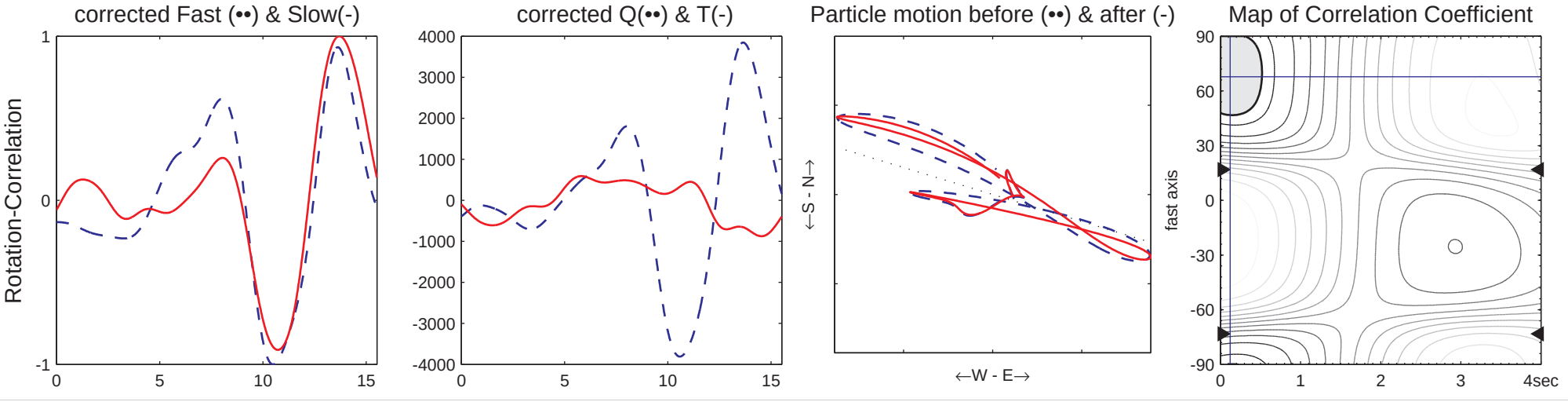


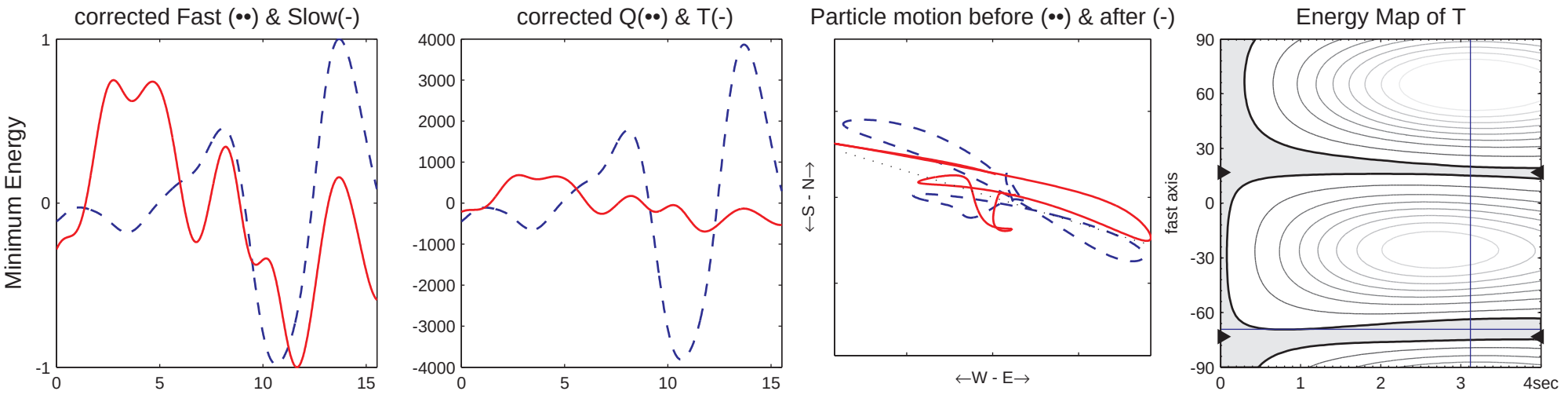
Event: **12-Sep-2009 (255) 20:06 10.71N -67.93E 14km Mw=6.4**
Station: **CEYT** Backazimuth: **286.8”** Distance: **94.22”**
init.Pol.: **126.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

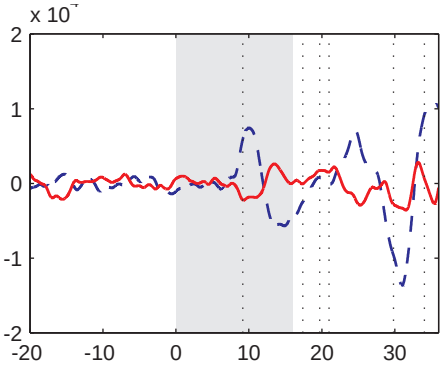
Rotation Correlation:	47<	68° < -90	0.0<0.1s<0.5
Minimum Energy:	-Inf<	-69° < Inf	0.0<3.1s<Inf
Eigenvalue:	17<	27° < 37	2.4<3.6s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





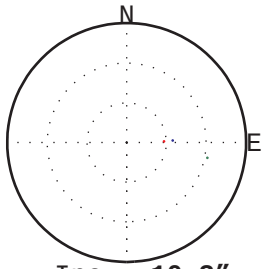




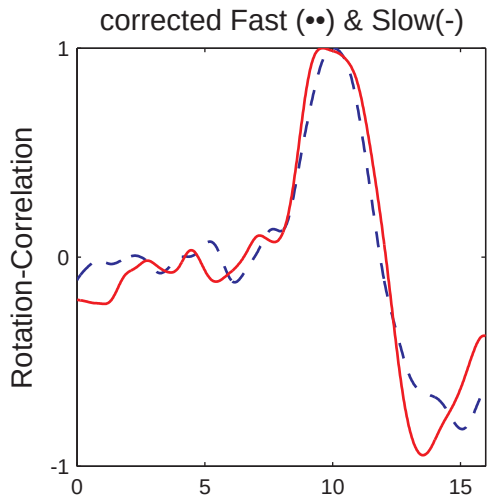
Event: **08-Nov-2009 (312) 19:41 -8.21N 118.63E 18km Mw=6.6**
Station: **CEYT** Backazimuth: **100.8”** Distance: **89.31”**
init.Pol.: **292.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.4**

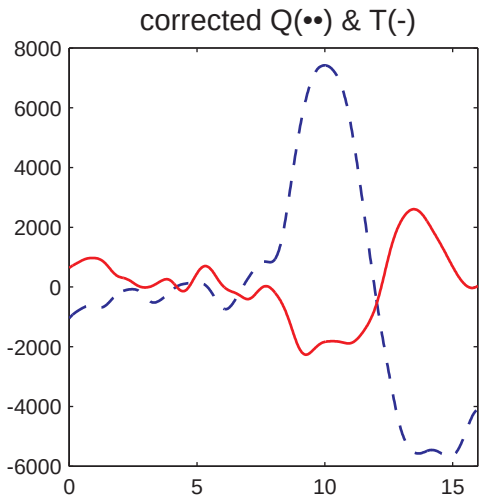
Rotation Correlation:	59<	73° <	89	0.0<0.0s<0.1
Minimum Energy:	-76<	-69° <	-68	2.2<2.9s<3.6
Eigenvalue:	29<	-63° <	25	0.0<2.4s<4.0

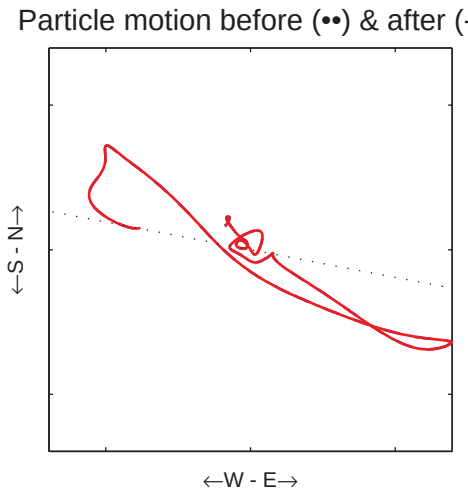
Quality: **good** IsNull: **Yes** Phase: **SKS**

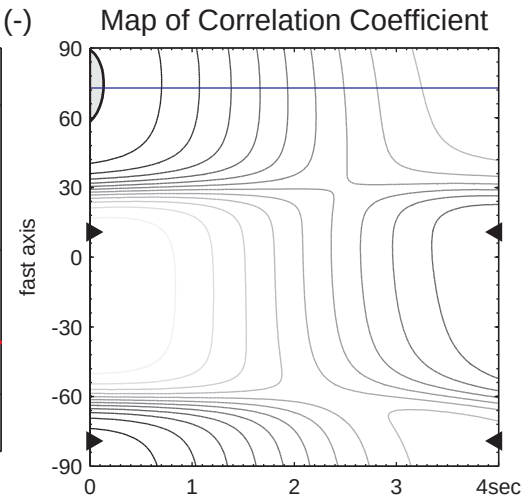


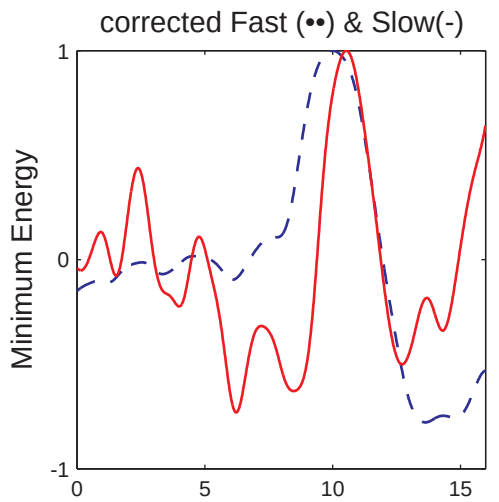
Inc = **10.3”**

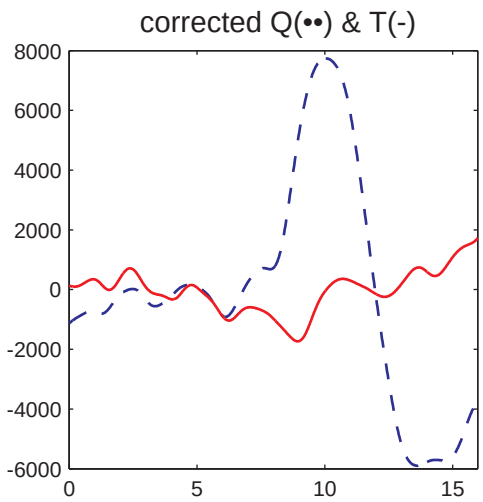


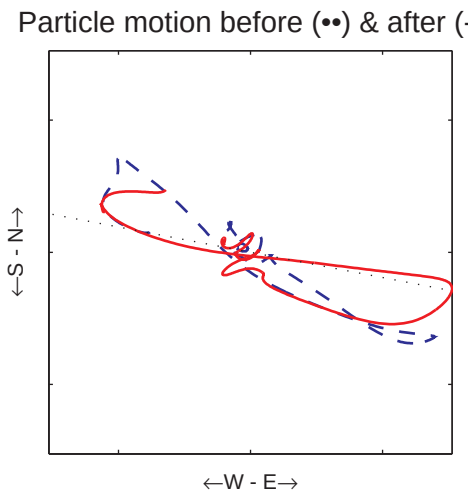


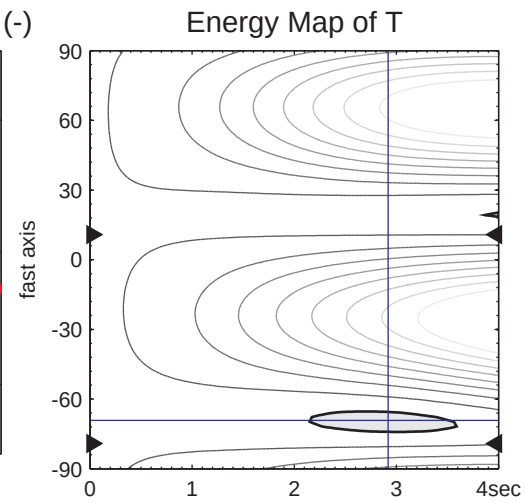


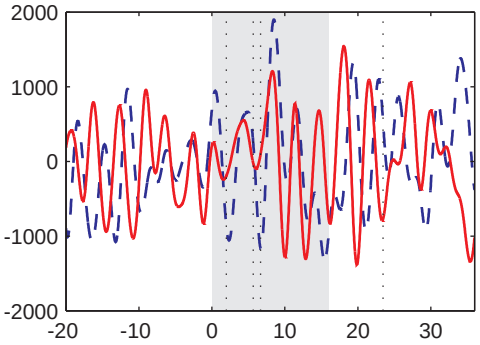








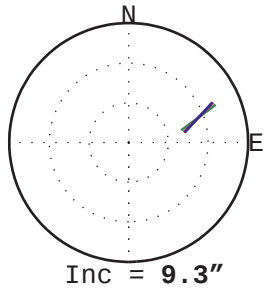


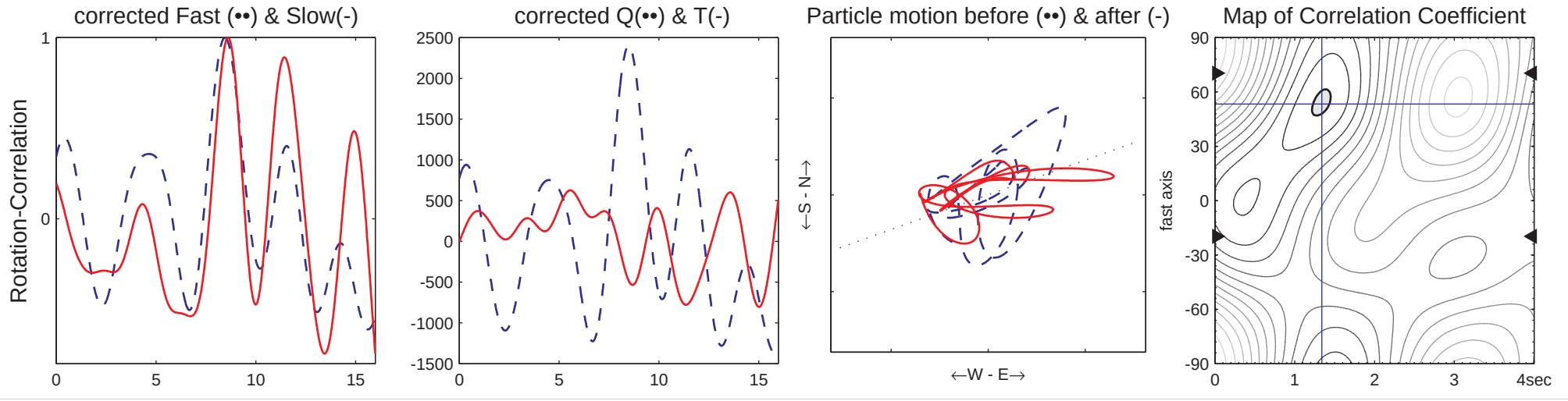


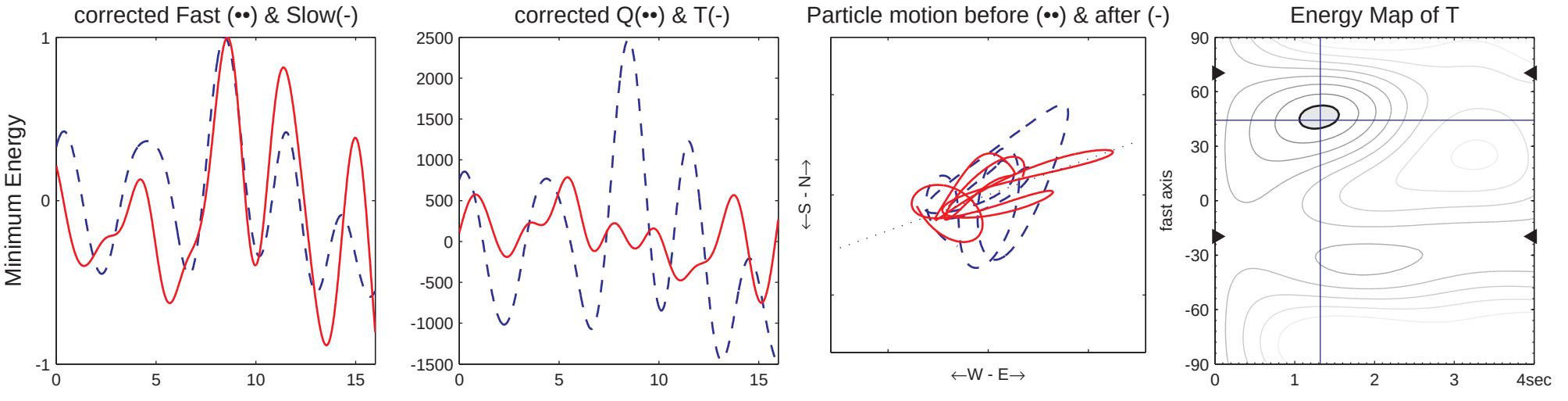
Event: **02-Jan-2010 (002) 08:45 12.42N 141.95E 8km Mw=6.1**
Station: **CEYT** Backazimuth: **70.3”** Distance: **95.05”**
init.Pol.: **246.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

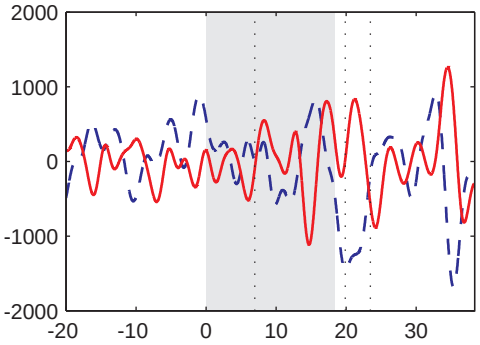
Rotation Correlation:	47<	53° <	62	1.2<1.3s<1.4
Minimum Energy:	39<	44° <	52	1.0<1.3s<1.6
Eigenvalue:	31<	42° <	56	1.0<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





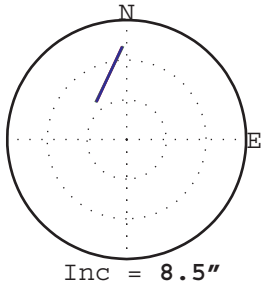


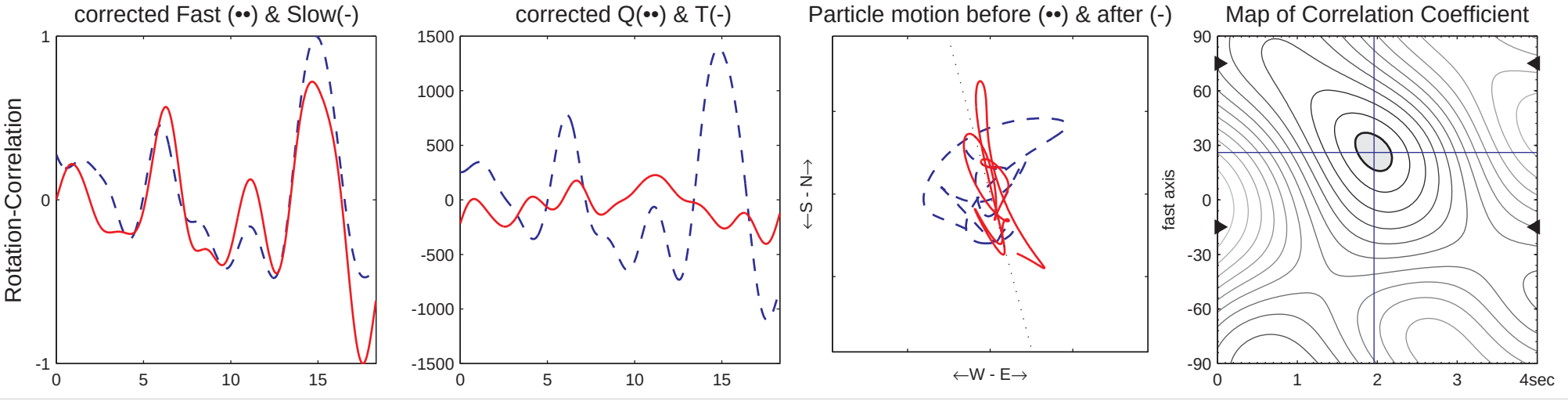


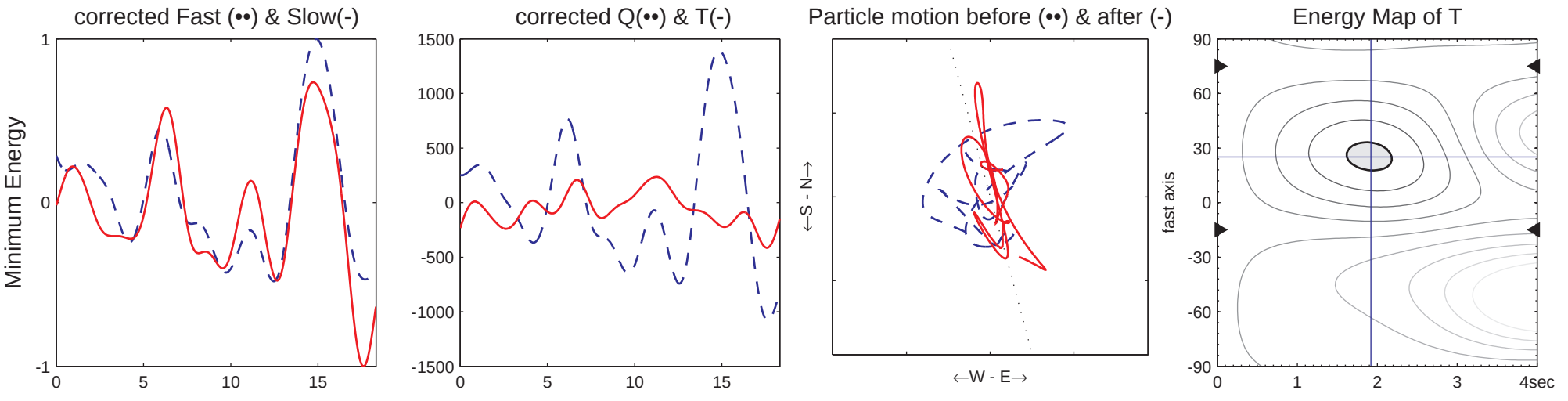
Event: **10-Jan-2010 (010) 00:27 40.65N -124.69E 29km Mw=6.5**
Station: **CEYT** Backazimuth: **345.0”** Distance: **100.29”**
init.Pol.: **164.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.7**

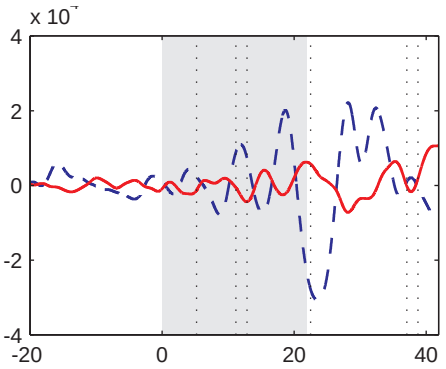
Rotation Correlation:	16<	26° <	37	1.7<2.0s<2.2
Minimum Energy:	17<	25° <	33	1.6<1.9s<2.2
Eigenvalue:	11<	25° <	39	1.6<1.9s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





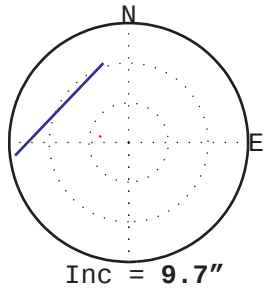


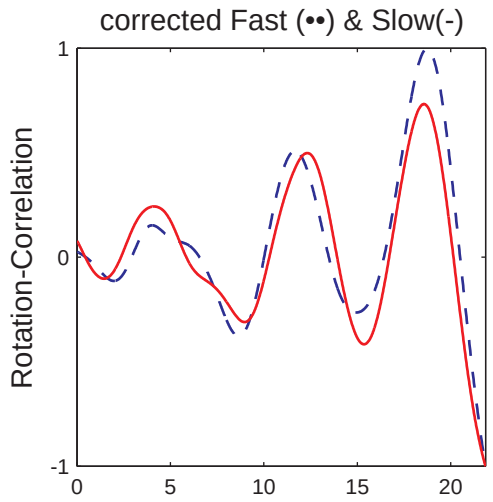


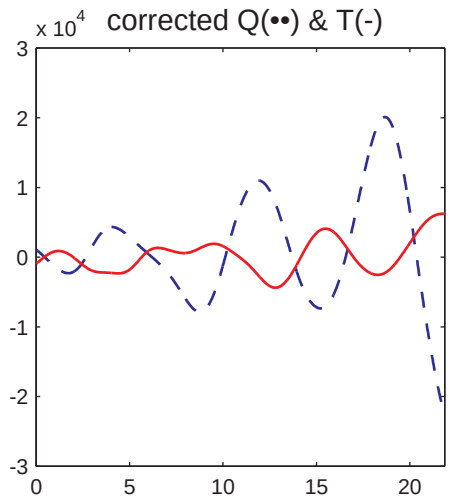
Event: **12-Jan-2010 (012) 21:53 18.44N -72.57E 13km Mw=7.0**
Station: **CEYT** Backazimuth: **295.6”** Distance: **92.73”**
init.Pol.: **138.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.5**

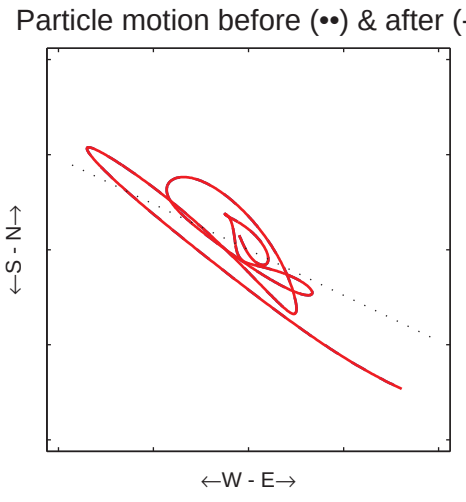
Rotation Correlation:	75<	83° <	-88	0.0<0.0s<0.0
Minimum Energy:	-62<	-56° <	-58	2.6<3.1s<3.7
Eigenvalue:	37<	44° <	48	3.6<4.0s<4.0

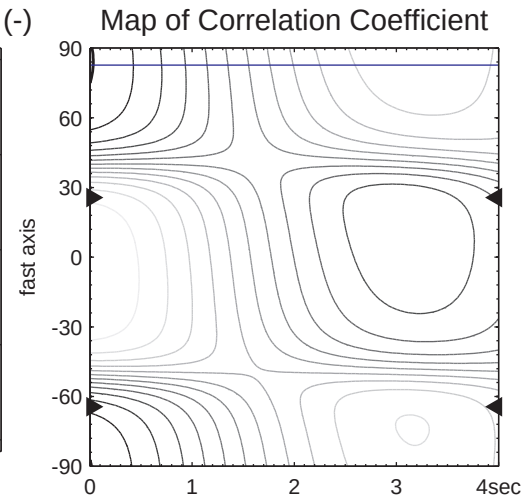
Quality: **good** IsNull: **Yes** Phase: **SKS**

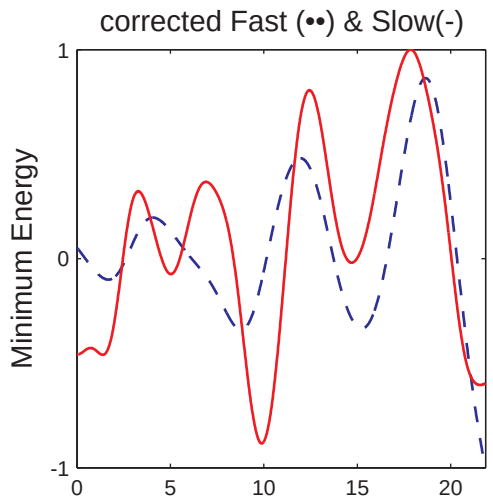


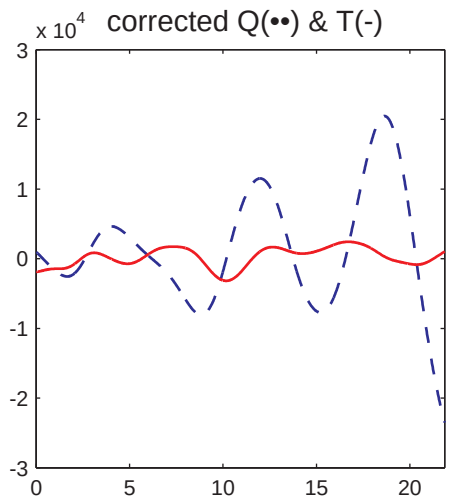


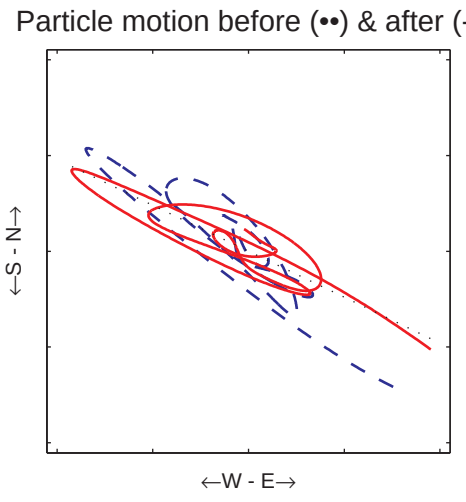


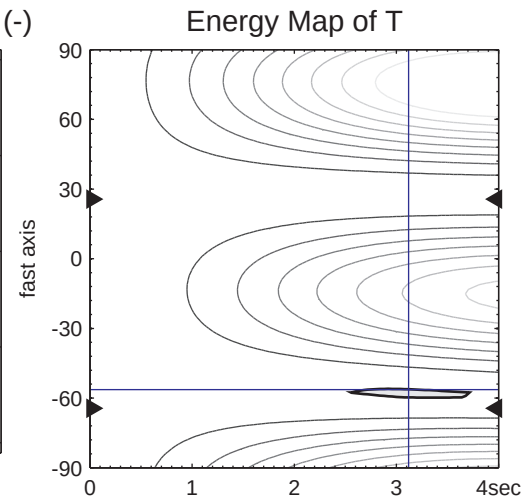


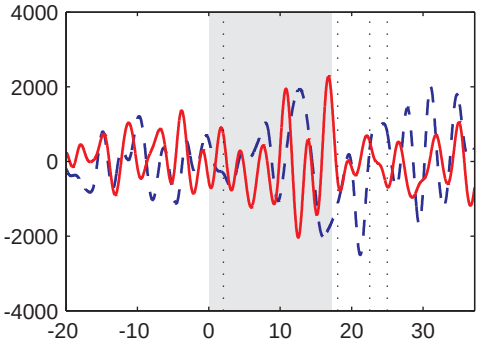








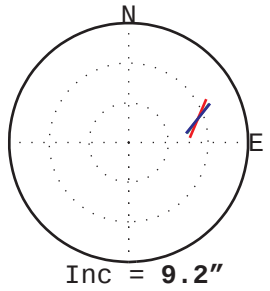


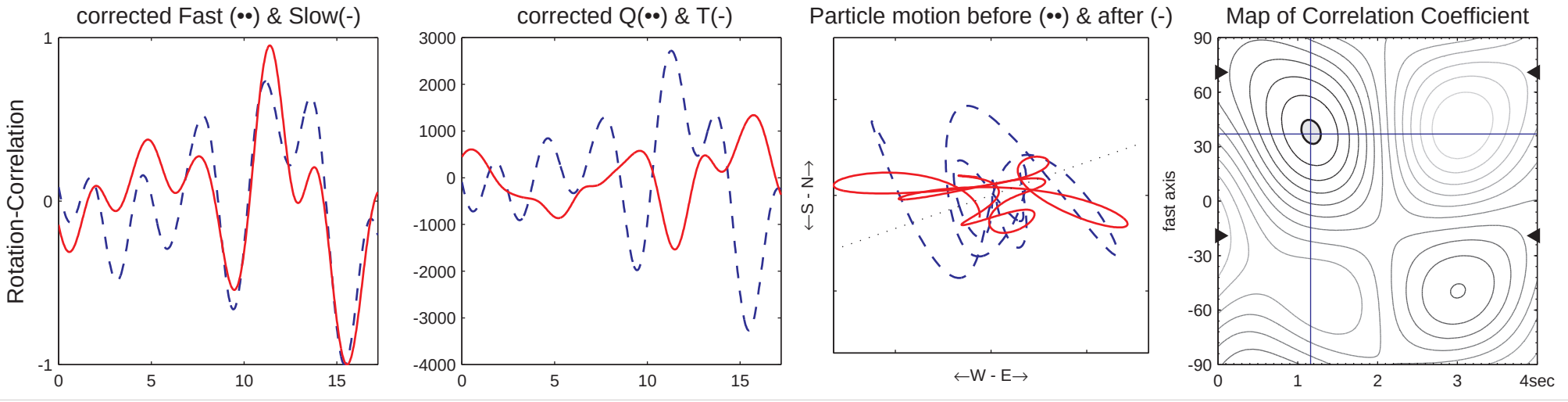


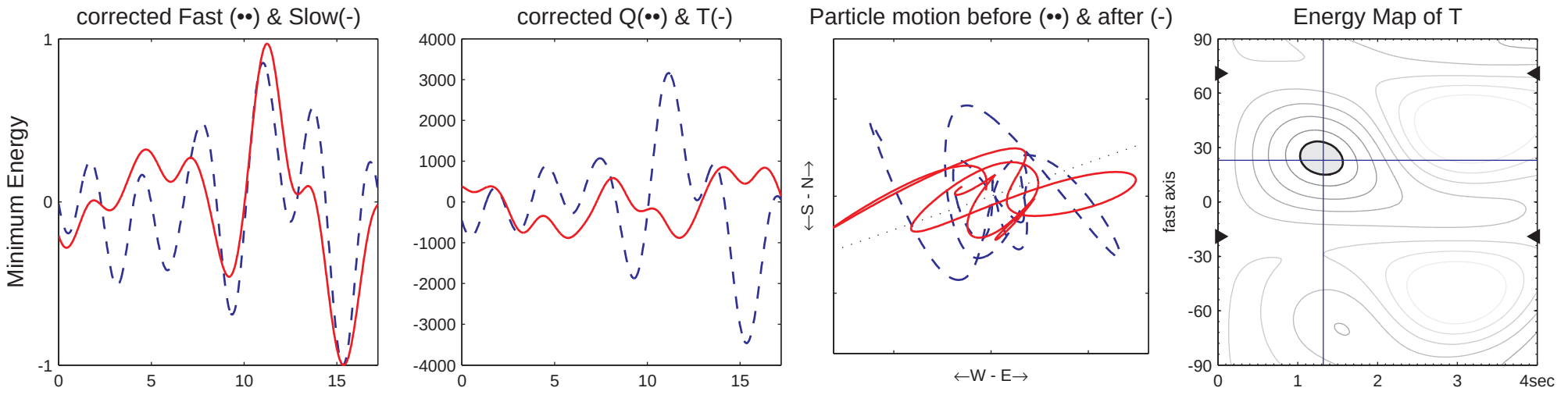
Event: **14-Jan-2010 (014) 14:03 11.51N 142.08E 37km Mw=5.8**
Station: **CEYT** Backazimuth: **70.9”** Distance: **95.74”**
init.Pol.: **274.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.2**

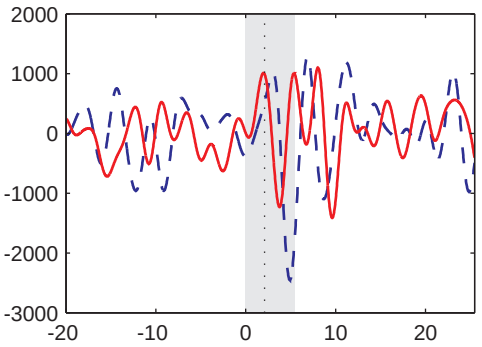
Rotation Correlation:	32<	37° <	45	1.0<1.2s<1.3
Minimum Energy:	15<	23° <	33	1.0<1.3s<1.6
Eigenvalue:	29<	39° <	50	1.0<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





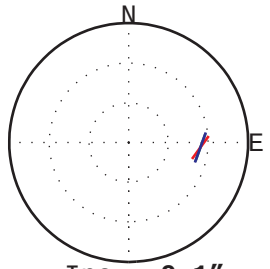


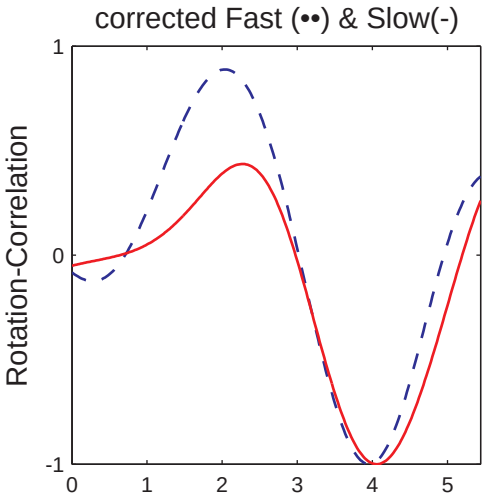


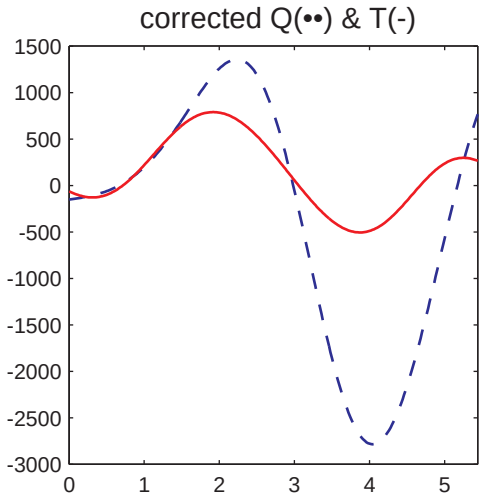
Event: **15-Feb-2010 (046) 21:51 -7.22N 128.72E 126km Mw=6.2**
Station: **CEYT** Backazimuth: **94.0”** Distance: **96.70”**
init.Pol.: **258.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

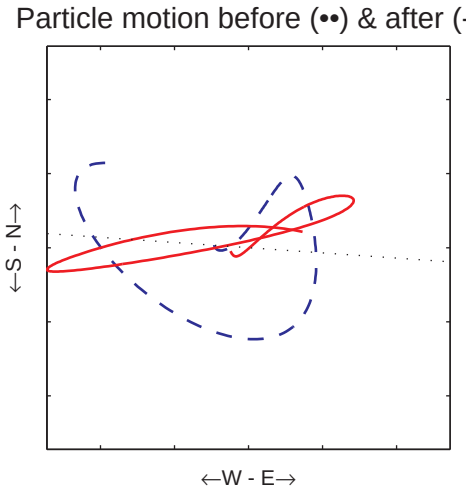
Rotation Correlation:	5<	20° <	41	0.6<0.9s<1.2
Minimum Energy:	25<	36° <	50	0.6<0.9s<1.2
Eigenvalue:	9<	20° <	33	0.8<1.0s<1.2

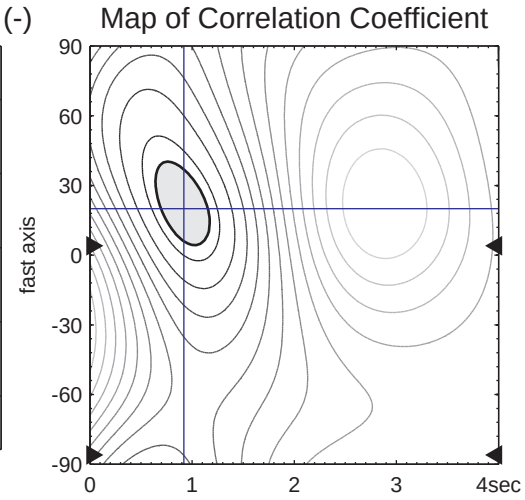
Quality: **fair** IsNull: **No** Phase: **SKS**

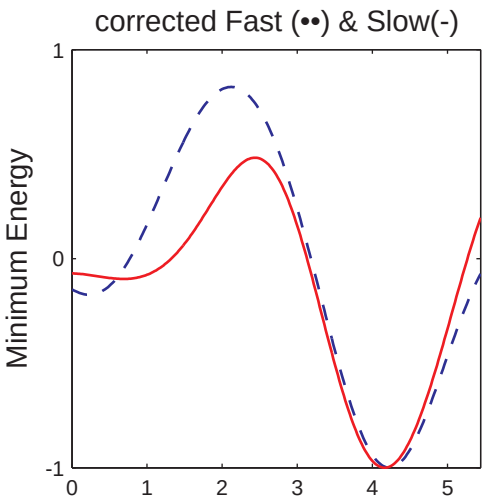


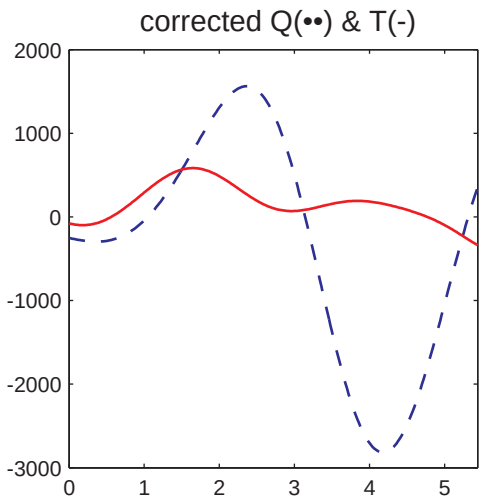


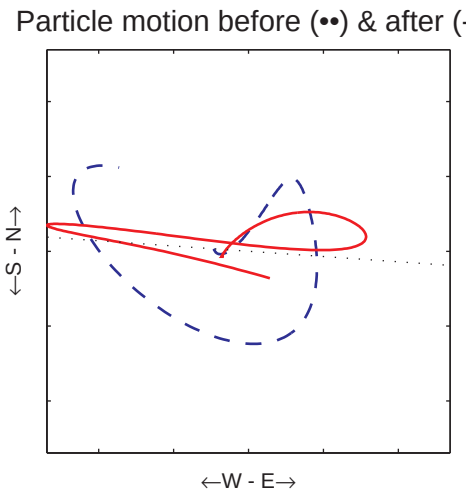


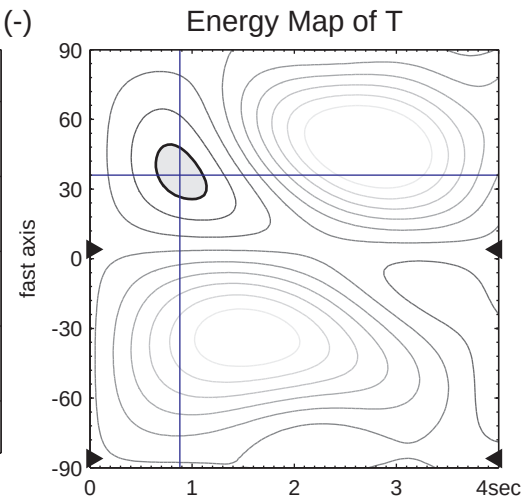


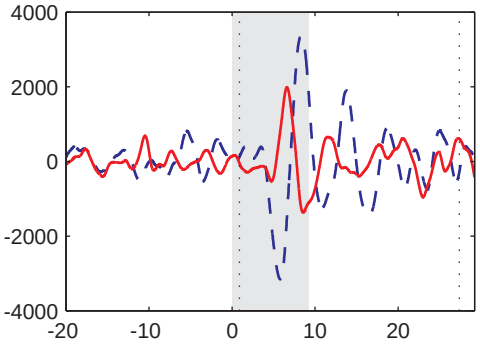








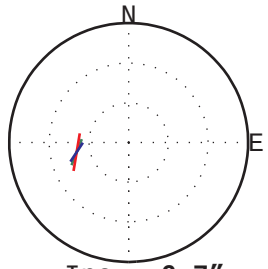


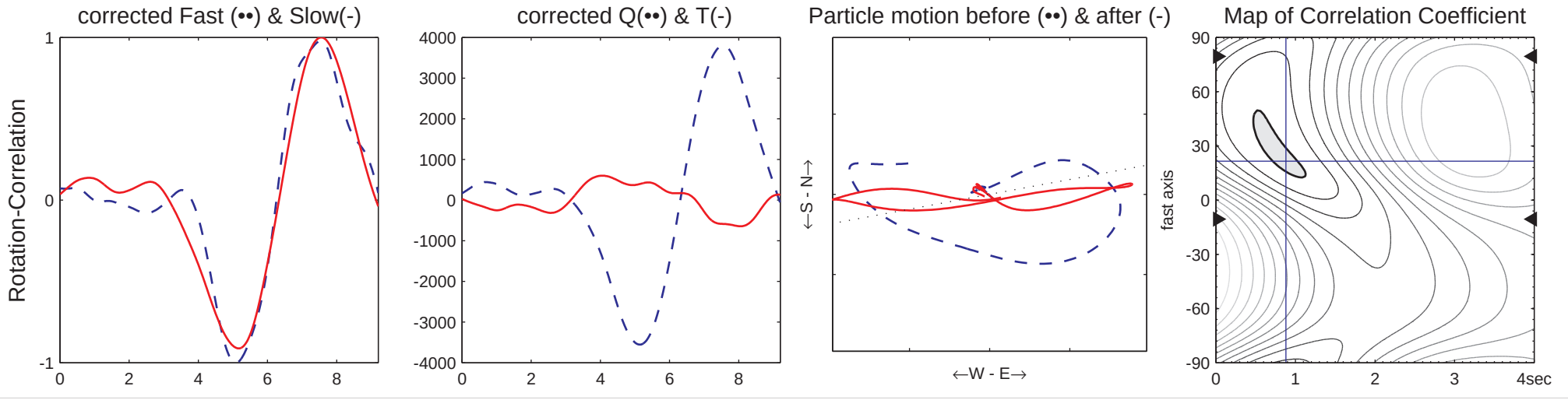


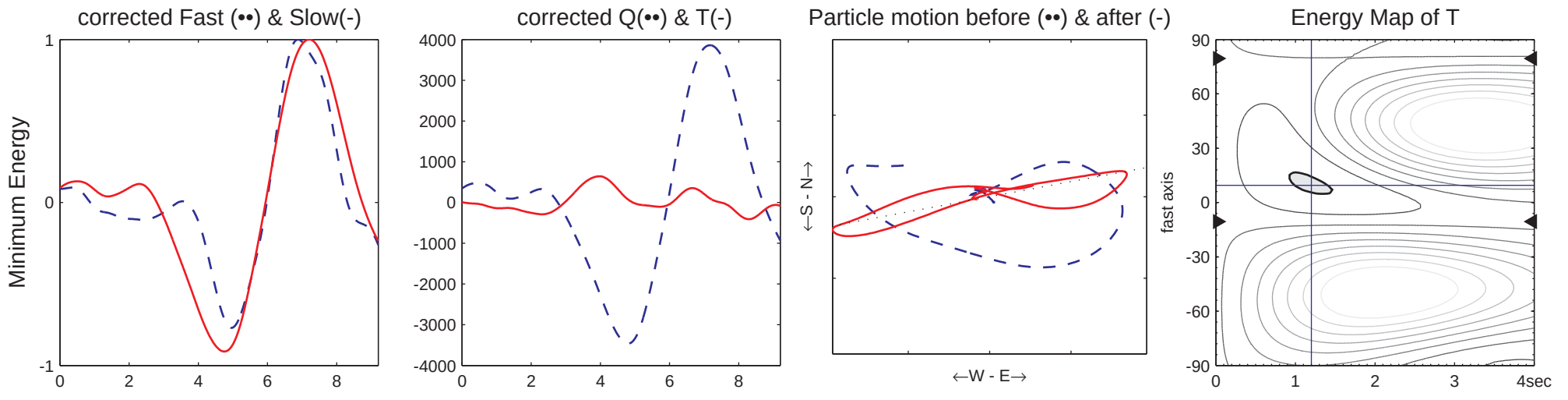
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **CEYT** Backazimuth: **259.5”** Distance: **114.05”**
init.Pol.: **92.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.4**

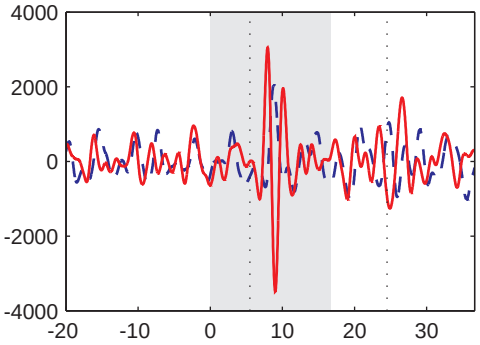
Rotation Correlation:	13<	21° <	50	0.5<0.9s<1.1
Minimum Energy:	5<	9° <	17	0.9<1.2s<1.5
Eigenvalue:	19<	33° <	58	0.6<0.7s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





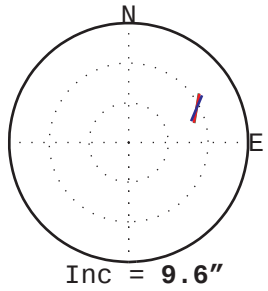


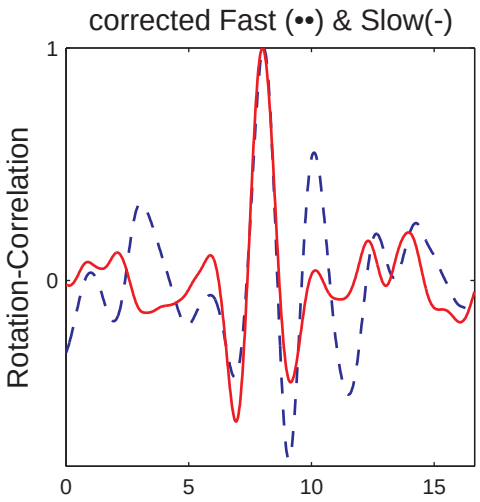


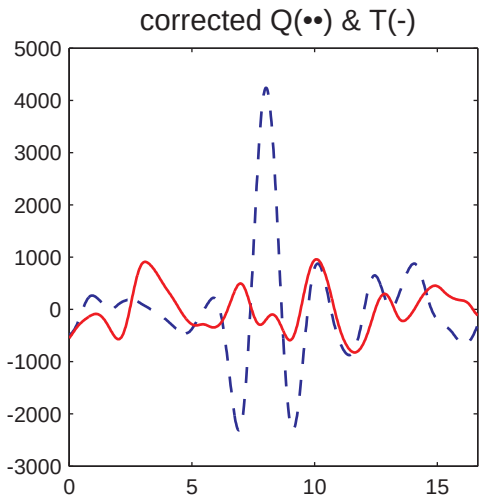
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **CEYT** Backazimuth: **63.3”** Distance: **92.62”**
init.Pol.: **266.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

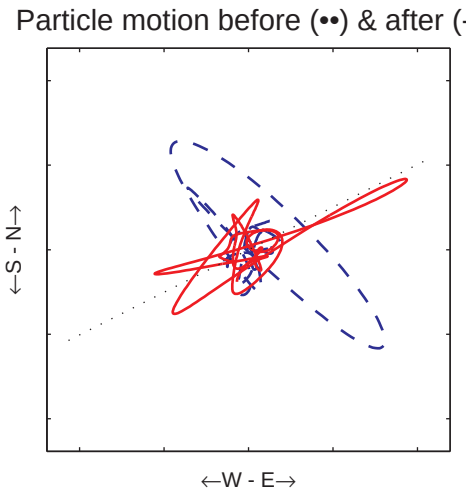
Rotation Correlation:	2<	9° <	18	0.9<0.9s<1.0
Minimum Energy:	5<	11° <	17	0.8<0.9s<1.1
Eigenvalue:	5<	23° <	43	0.6<0.9s<1.0

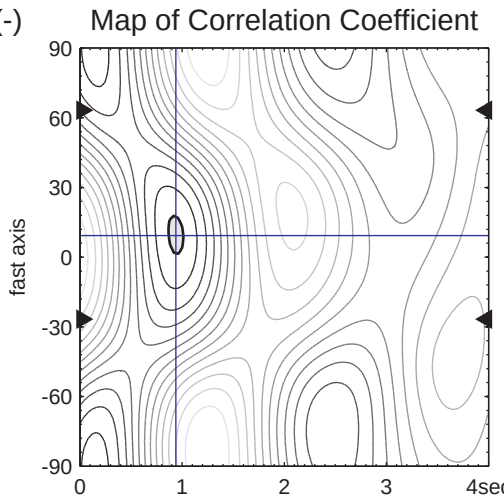
Quality: **good** IsNull: **No** Phase: **SKS**

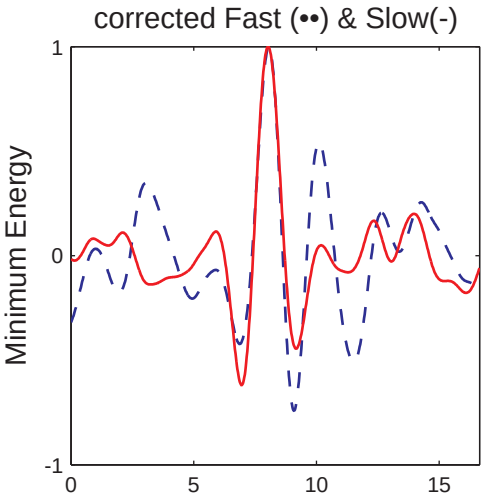


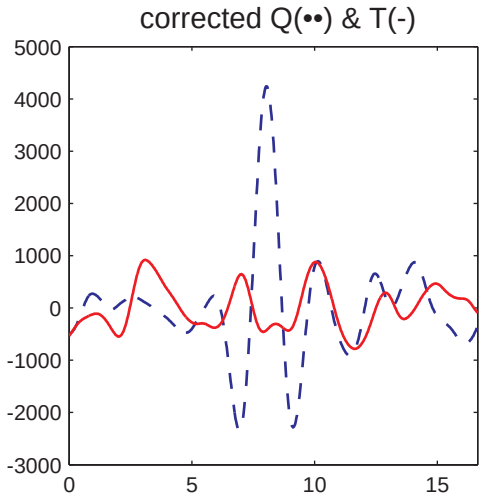


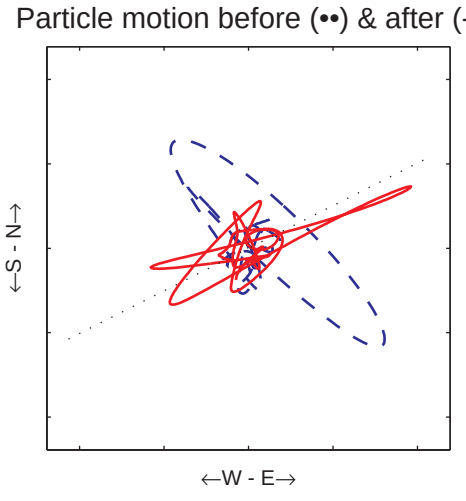


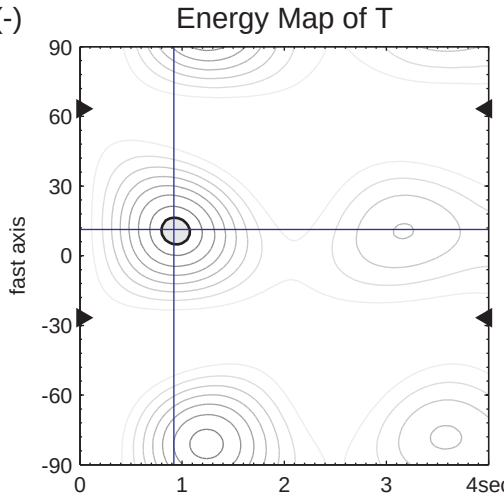


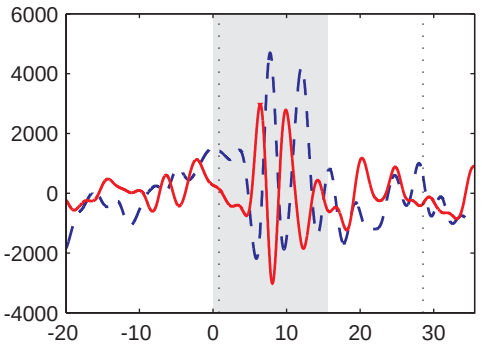








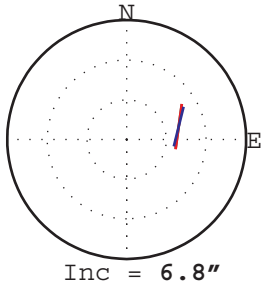


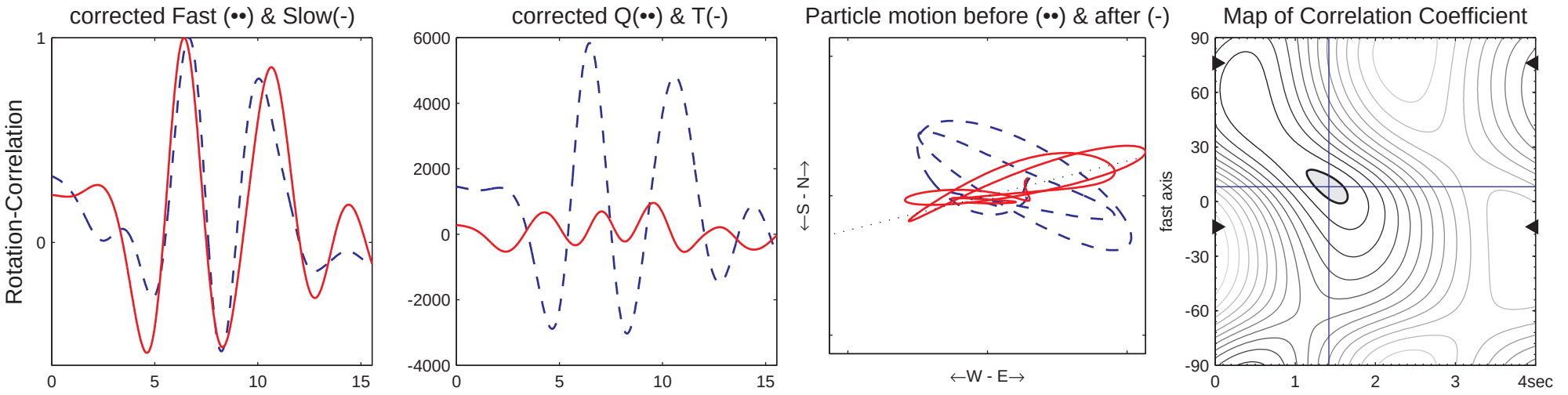


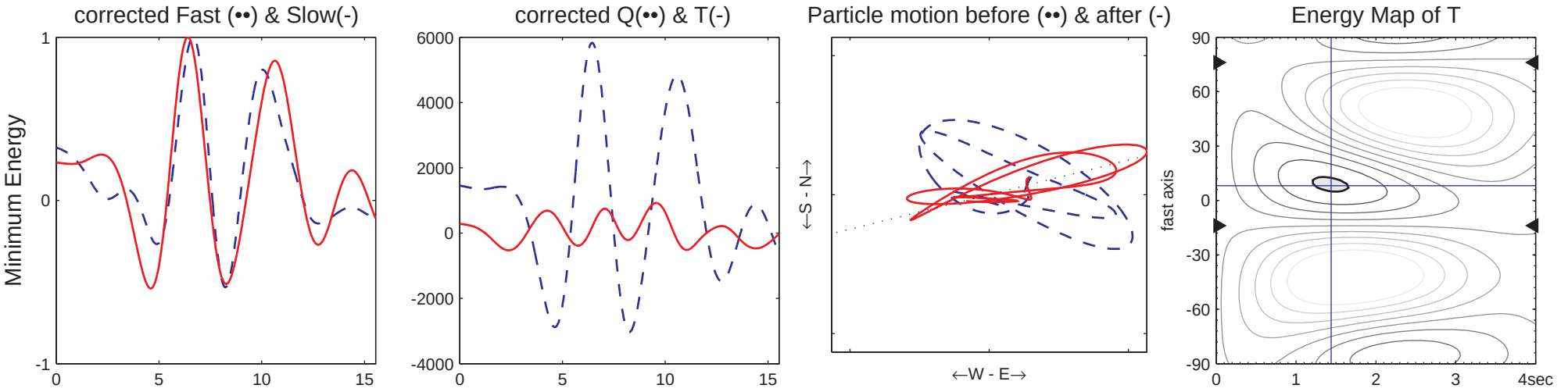
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km** Mw=**6.6**
Station: **CEYT** Backazimuth: **76.1”** Distance: **113.01”**
init.Pol.: **265.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

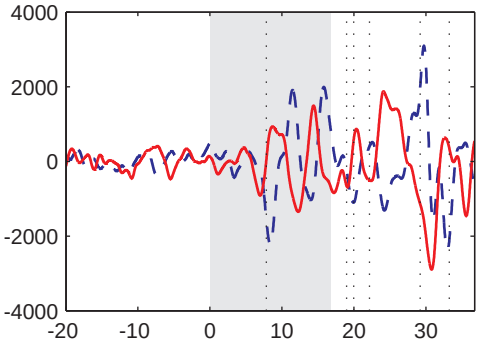
Rotation Correlation:	-2<	8° <	18	1.2<1.4s<1.6
Minimum Energy:	5<	8° <	13	1.2<1.4s<1.6
Eigenvalue:	3<	14° <	35	0.6<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





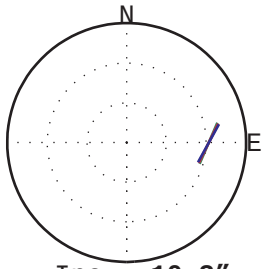




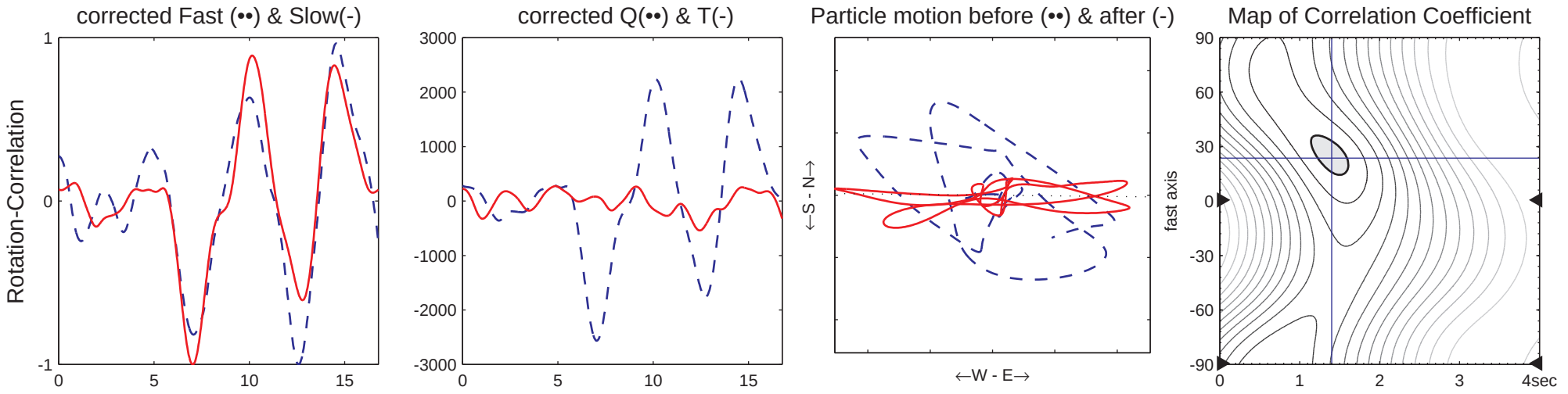
Event: **05-Apr-2010 (095) 10:05 -0.18N 125.01E 25km Mw=6.2**
Station: **CEYT** Backazimuth: **90.6”** Distance: **89.52”**
init.Pol.: **272.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.0**

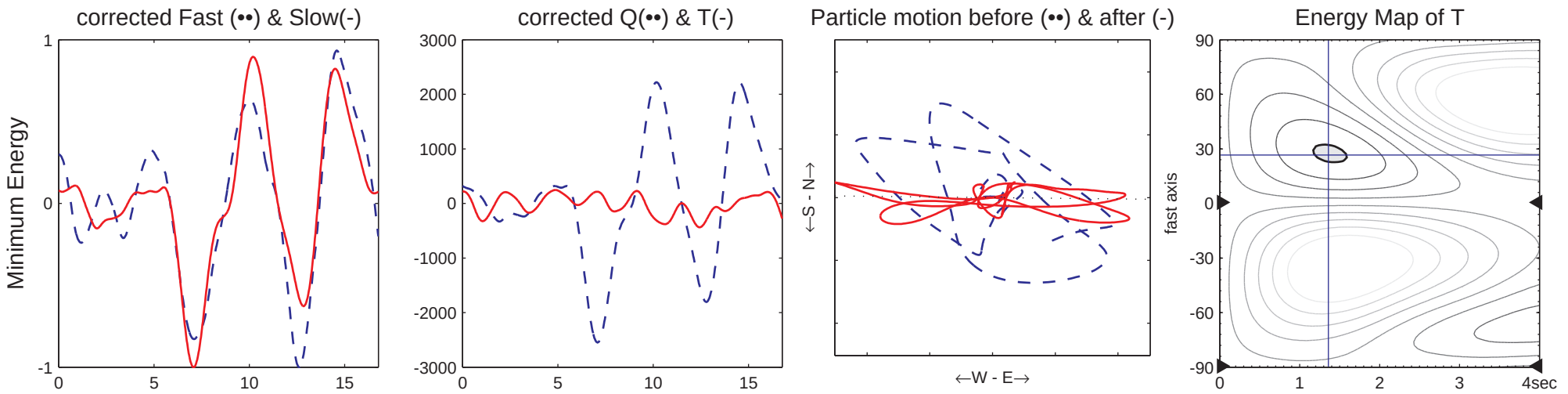
Rotation Correlation:	15<	24° <	36	1.2<1.4s<1.6
Minimum Energy:	23<	27° <	31	1.2<1.4s<1.6
Eigenvalue:	17<	29° <	39	1.1<1.4s<1.6

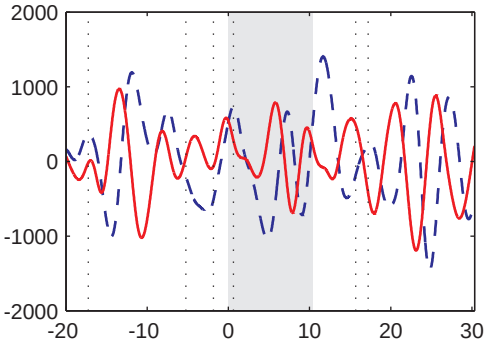
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.3”**



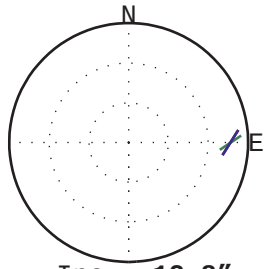




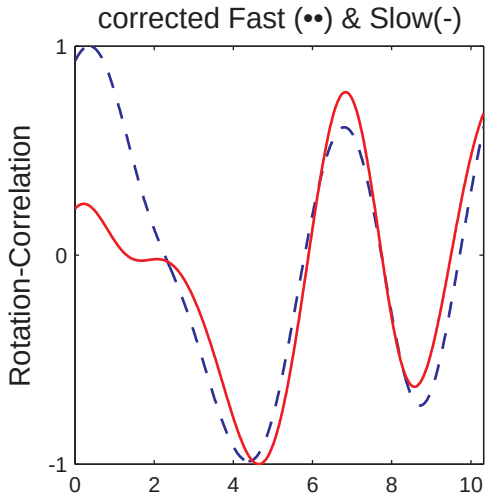
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **CEYT** Backazimuth: **90.1”** Distance: **93.05”**
init.Pol.: **270.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

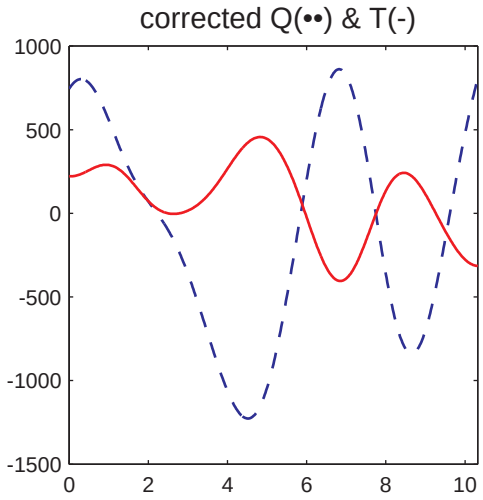
Rotation Correlation:	34<	56° <	79	0.5<0.8s<1.1
Minimum Energy:	19<	32° <	52	0.6<0.9s<1.3
Eigenvalue:	9<	32° <	84	0.6<0.9s<1.3

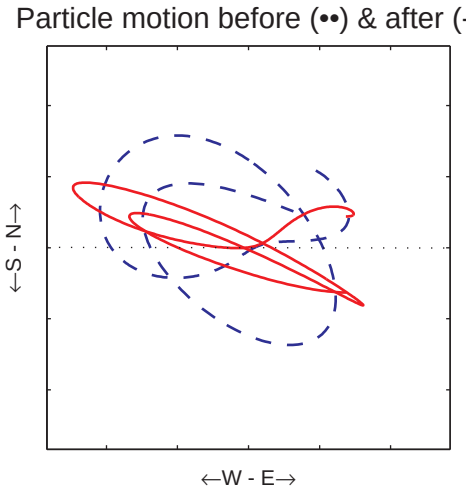
Quality: **fair** IsNull: **No** Phase: **SKKS**

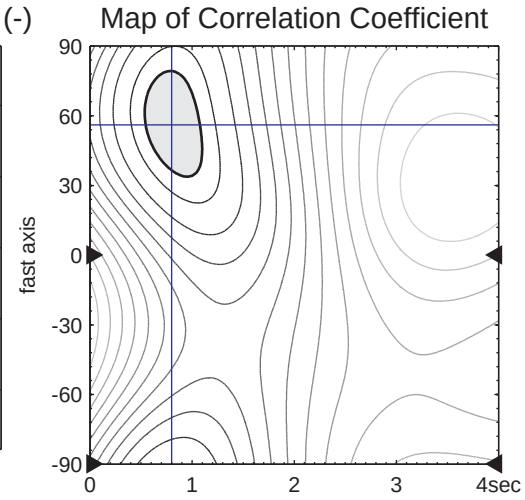


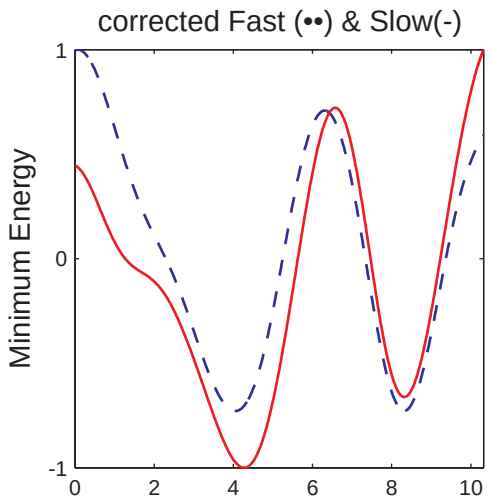
Inc = **12.8”**

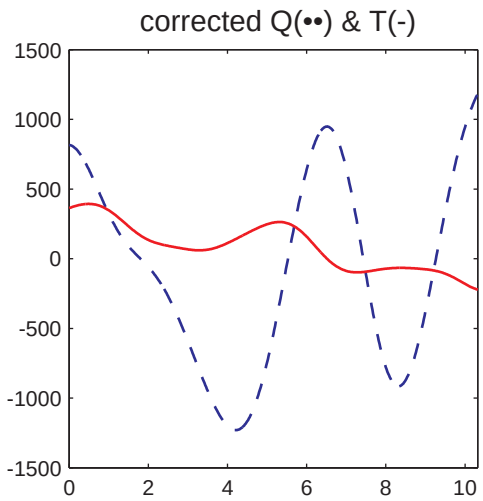


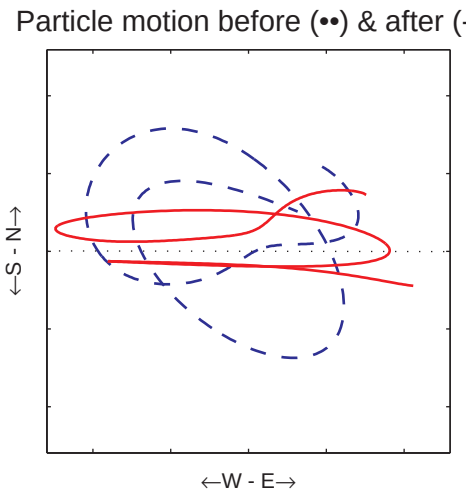


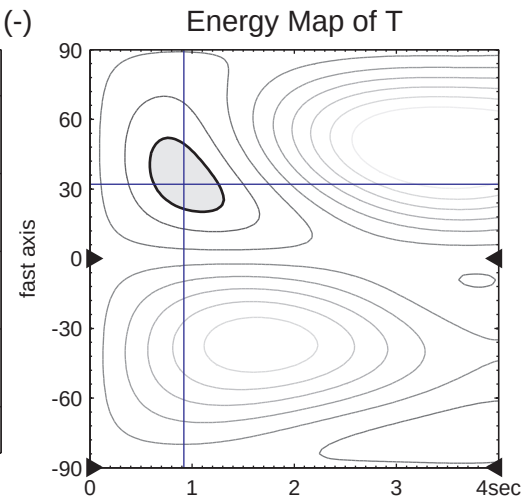


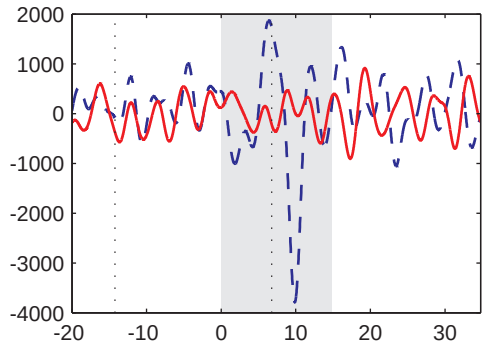








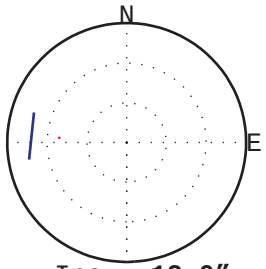




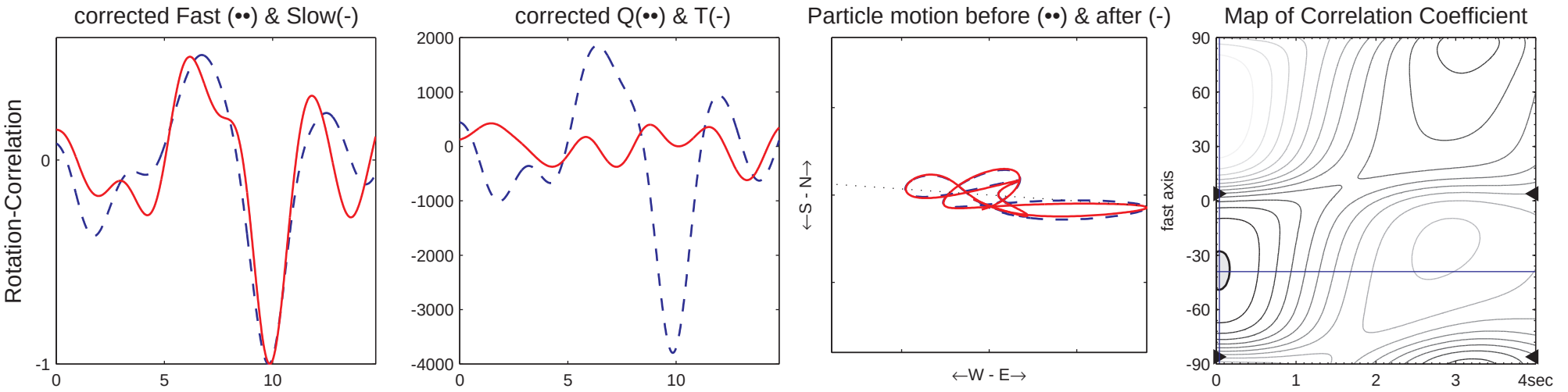
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **CEYT** Backazimuth: **273.9”** Distance: **108.65”**
init.Pol.: **100.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

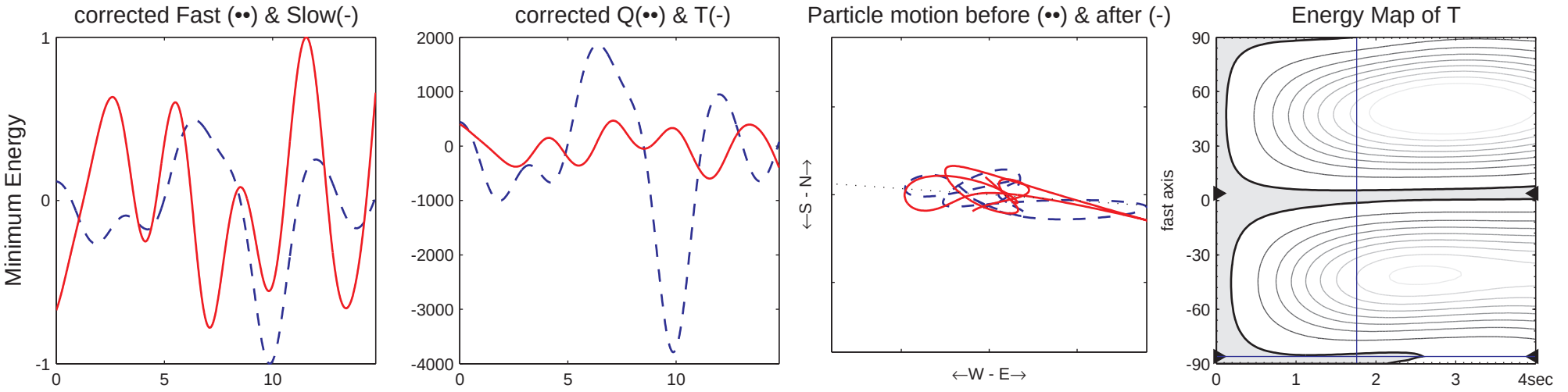
Rotation Correlation:	-50<	-39° < -29	0.0<0.0s<0.2
Minimum Energy:	-Inf<	-86° < Inf	0.0<1.8s<Inf
Eigenvalue:	-Inf<	6° < Inf	0.0<1.5s<Inf

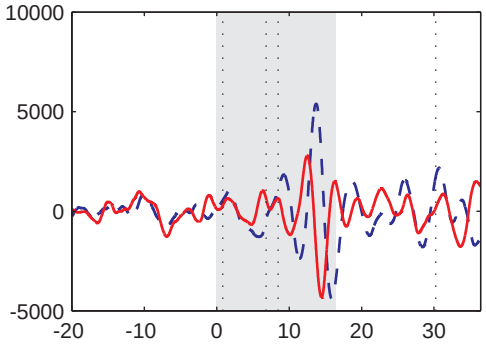
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **12.0”**



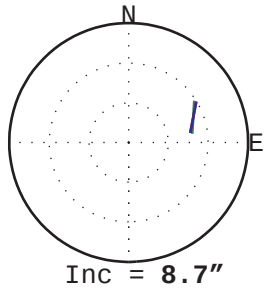


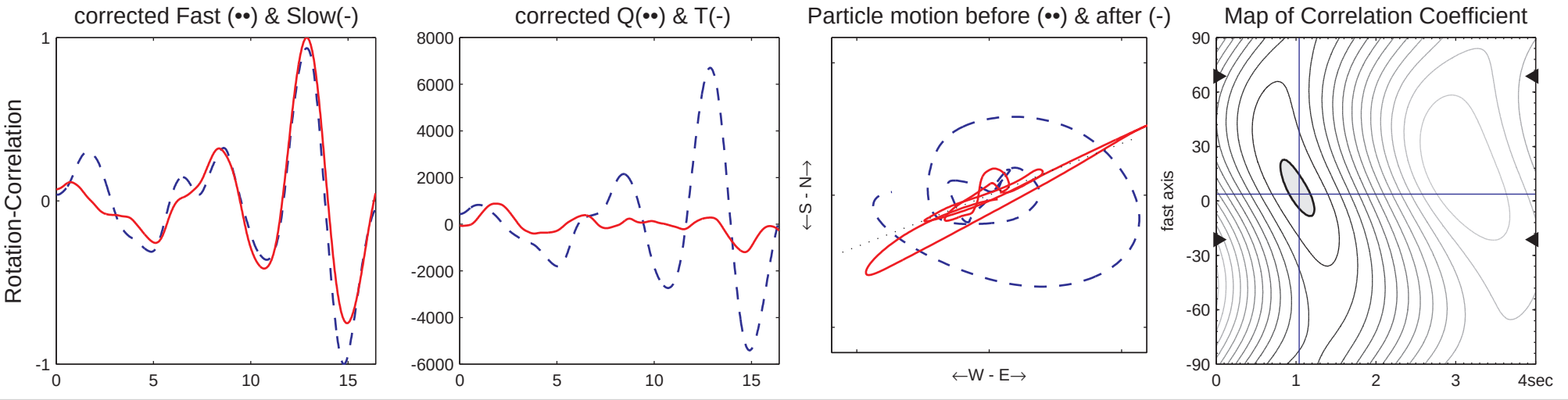


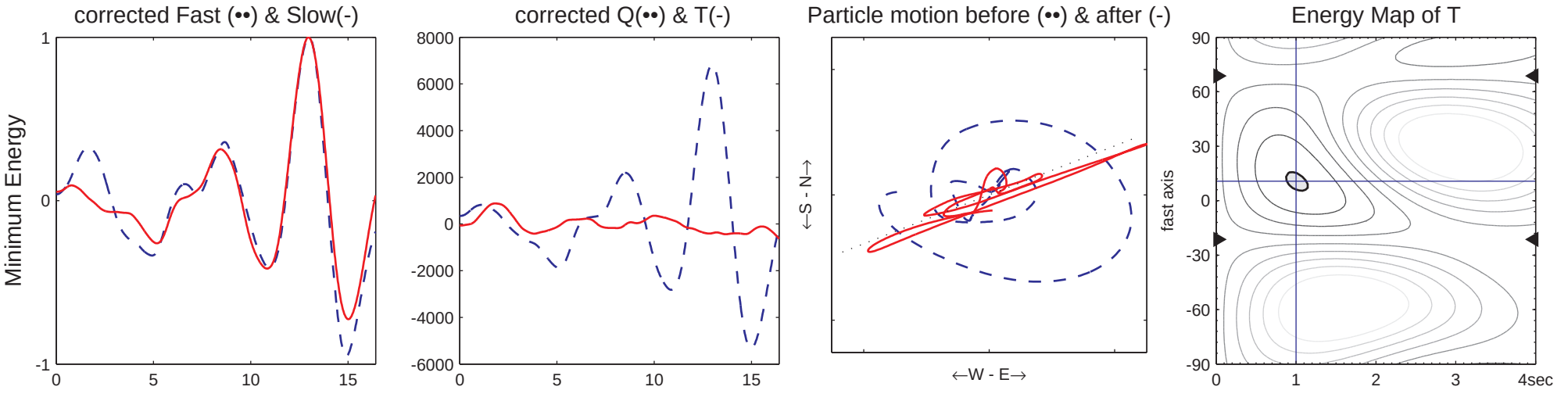
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **CEYT** Backazimuth: **68.7”** Distance: **98.91”**
init.Pol.: **249.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.1**

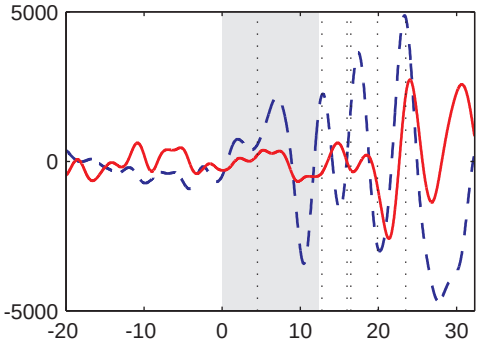
Rotation Correlation:	-9<	4° <	23	0.8<1.0s<1.2
Minimum Energy:	5<	11° <	15	0.9<1.0s<1.2
Eigenvalue:	-3<	11° <	27	0.8<1.0s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





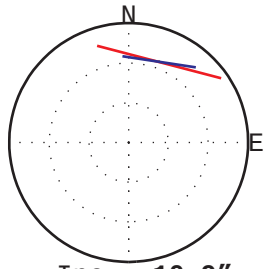




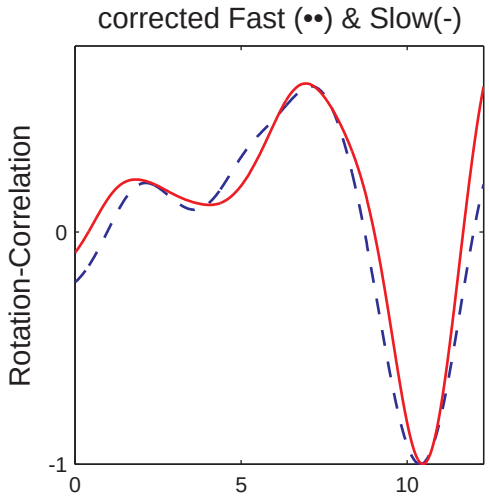
Event: **04-Aug-2010 (216) 12:58 51.42N -178.65E 27km Mw=6.4**
Station: **CEYT** Backazimuth: **20.7”** Distance: **86.58”**
init.Pol.: **185.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

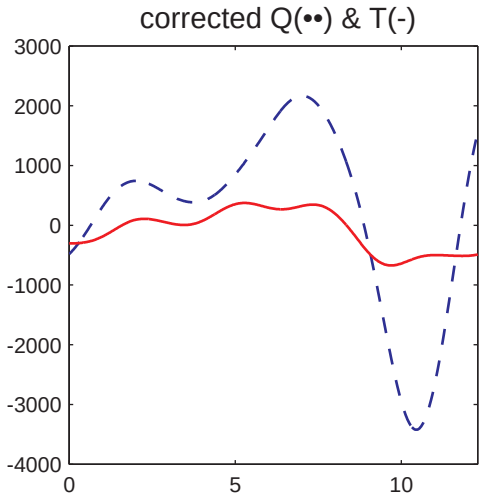
Rotation Correlation:	-54<	-34° <	-16	0.0<0.0s<0.2
Minimum Energy:	-82<	-75° <	-74	2.0<4.0s<4.0
Eigenvalue:	-Inf<	-81° <	Inf	0.0<2.3s<Inf

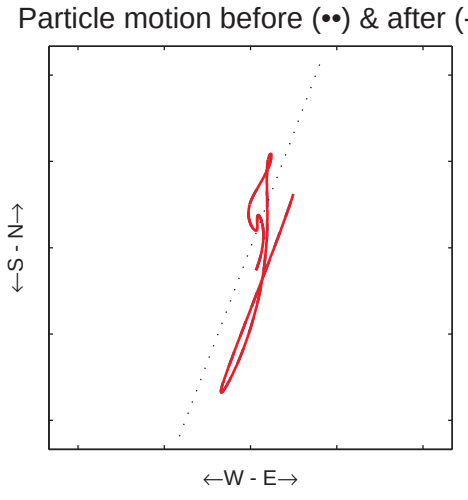
Quality: **good** IsNull: **Yes** Phase: **SKS**

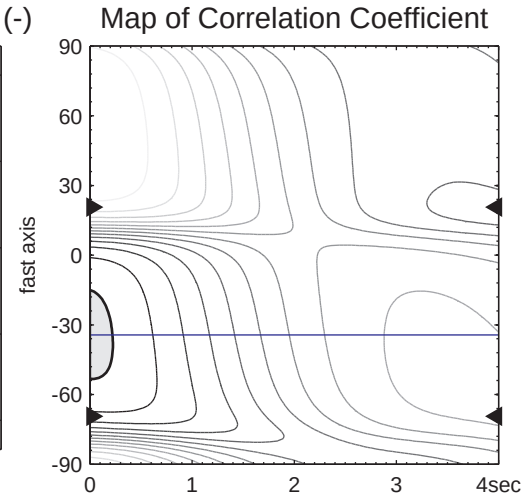


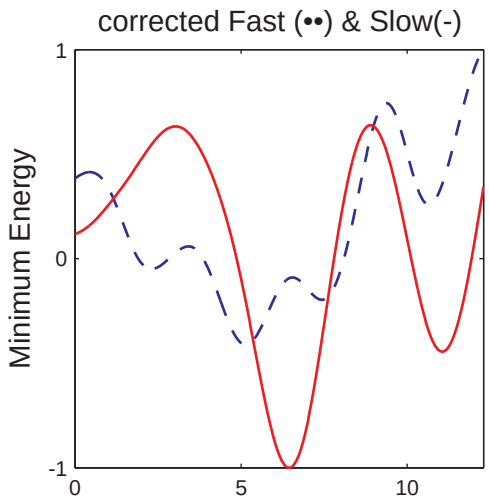
Inc = **10.9”**

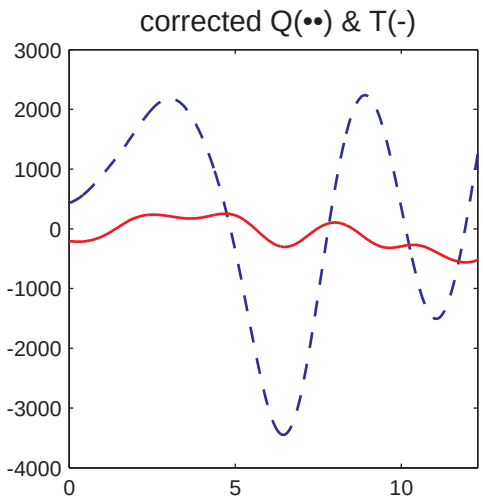


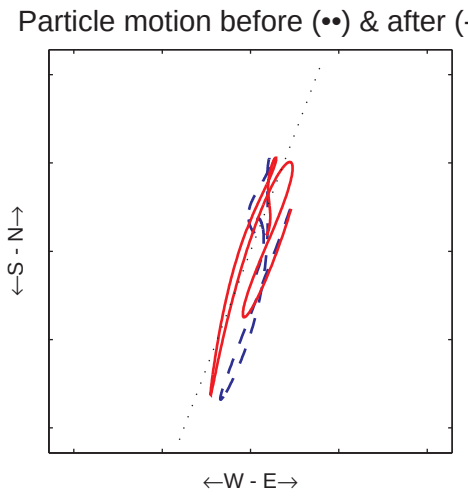


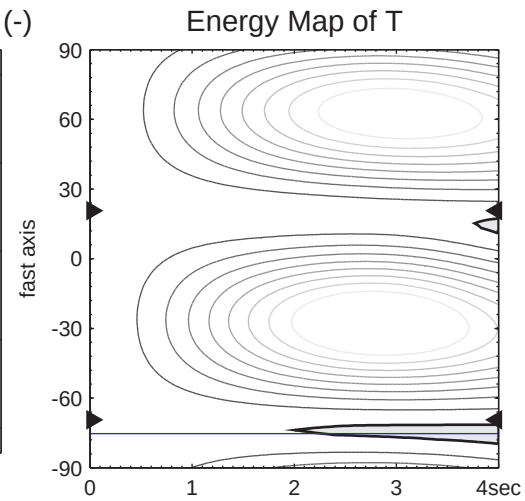


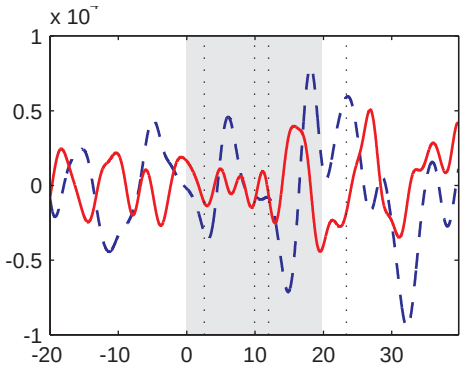








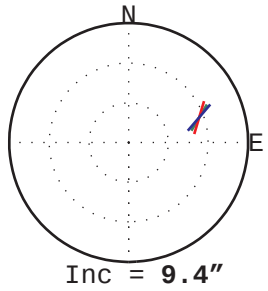


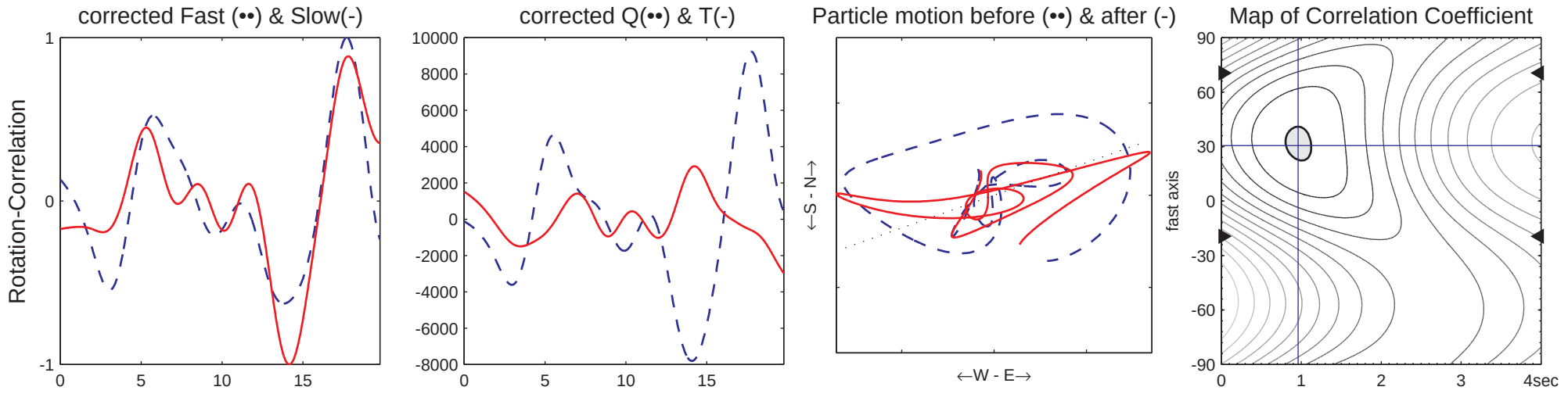


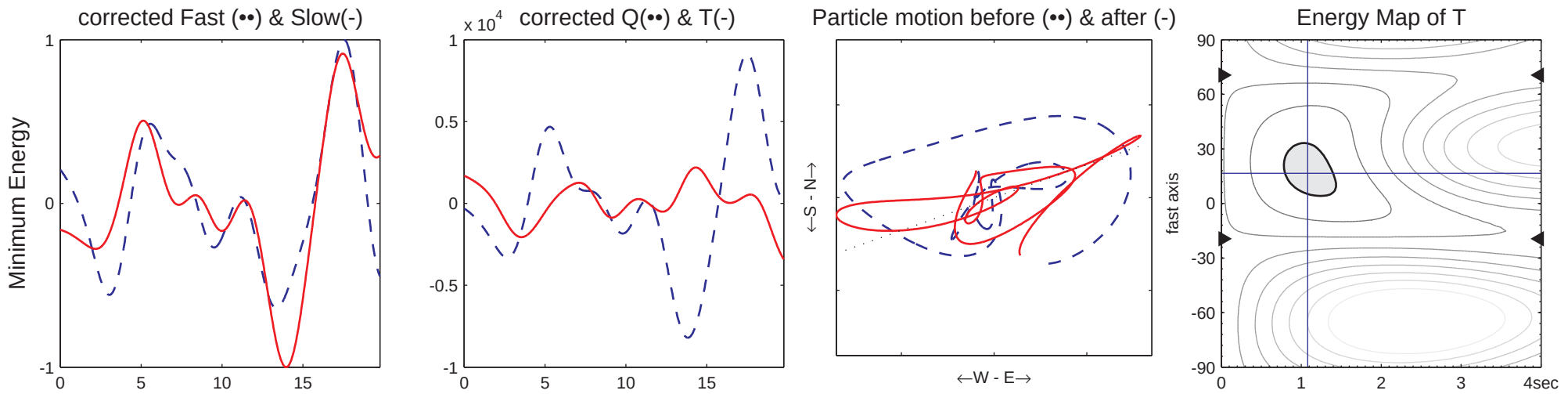
Event: **13-Aug-2010 (225) 21:19 12.49N 141.47E 16km Mw=6.9**
Station: **CEYT** Backazimuth: **70.5”** Distance: **94.66”**
init.Pol.: **262.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.0**

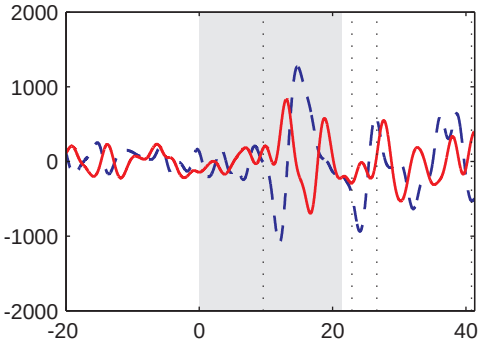
Rotation Correlation:	23<	31° <	41	0.8<1.0s<1.1
Minimum Energy:	5<	17° <	33	0.8<1.1s<1.4
Eigenvalue:	13<	41° <	72	0.8<1.1s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





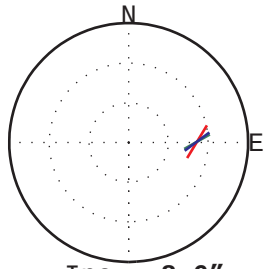


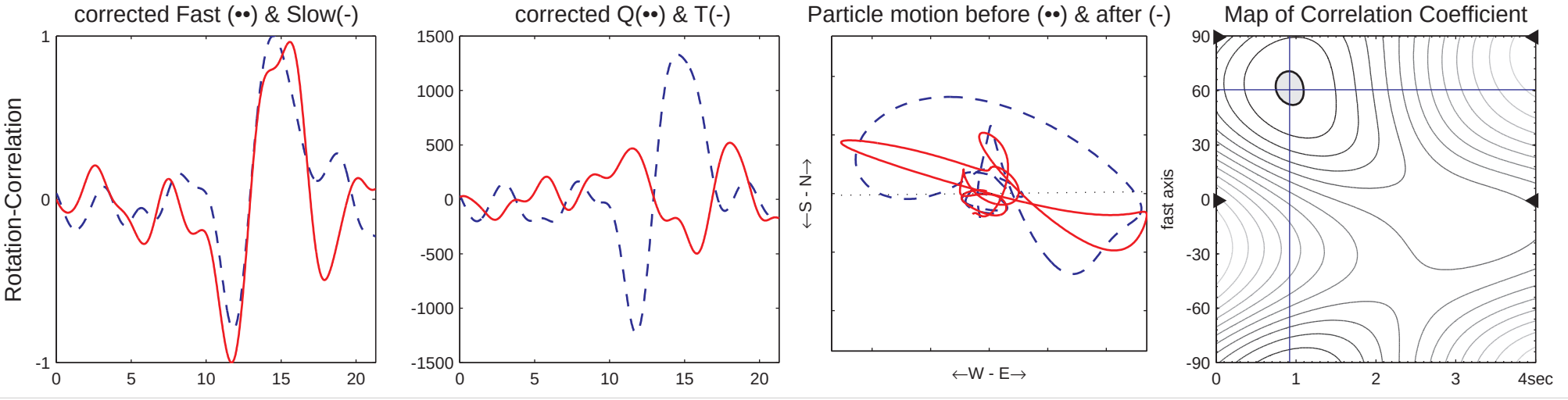


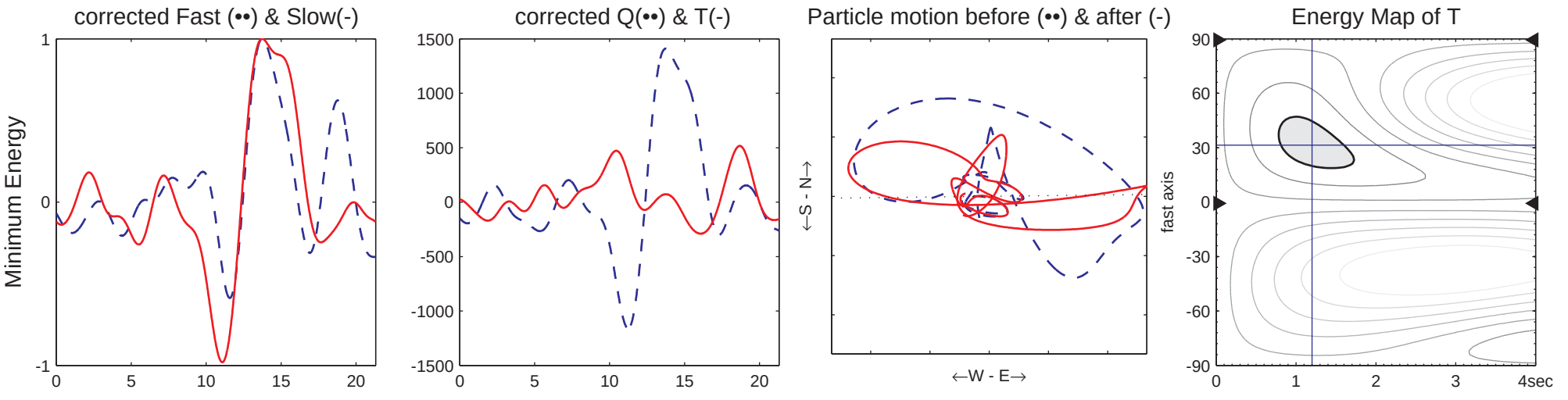
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **CEYT** Backazimuth: **89.3”** Distance: **99.71”**
init.Pol.: **285.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

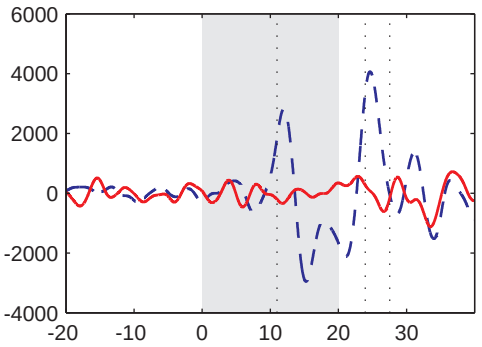
Rotation Correlation:	52<	60° <	71	0.8<0.9s<1.1
Minimum Energy:	19<	31° <	48	0.8<1.2s<1.7
Eigenvalue:	33<	53° <	78	0.6<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





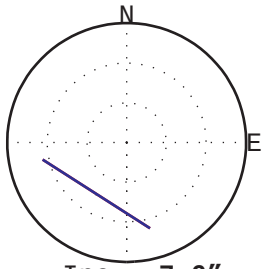




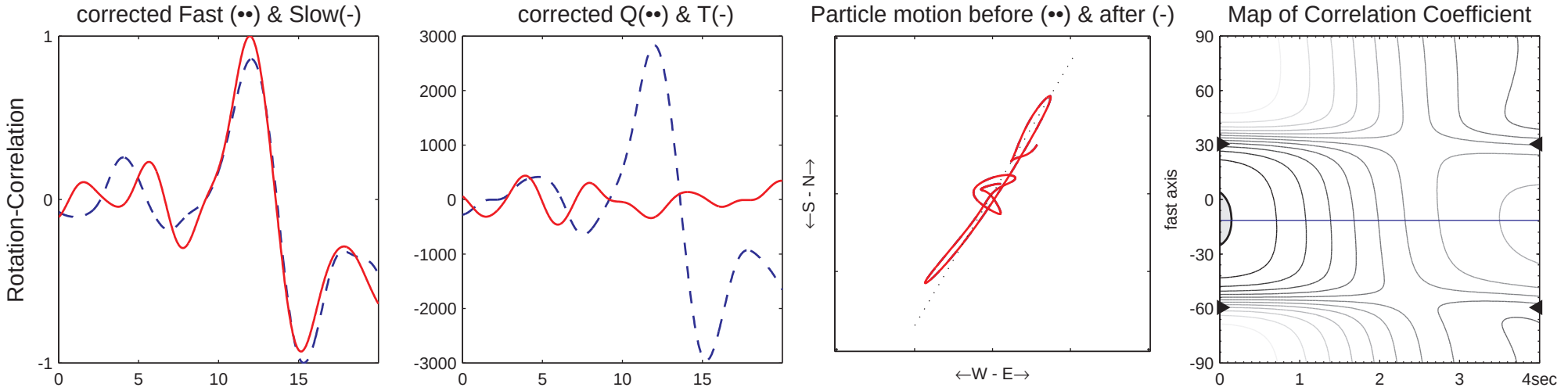
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **CEYT** Backazimuth: **210.5”** Distance: **106.89”**
init.Pol.: **30.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.9**

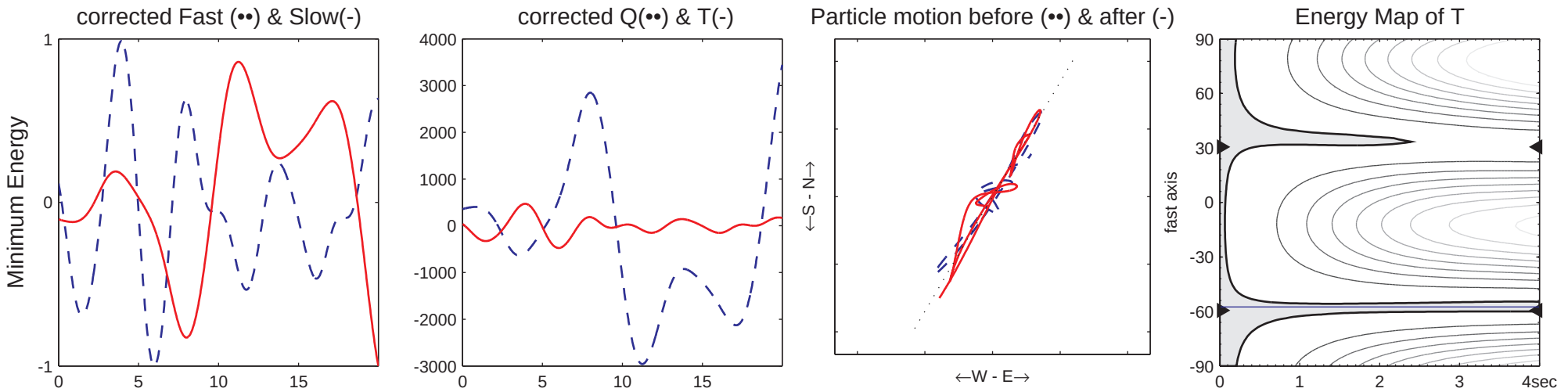
Rotation Correlation:	-27<	-11° < 4	0.0<0.0s<0.2
Minimum Energy:	-Inf<	-57° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-57° < Inf	0.0<4.0s<Inf

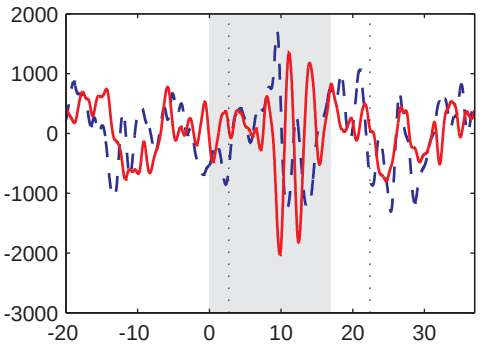
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.6”**



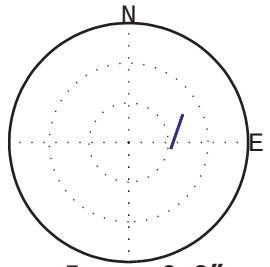




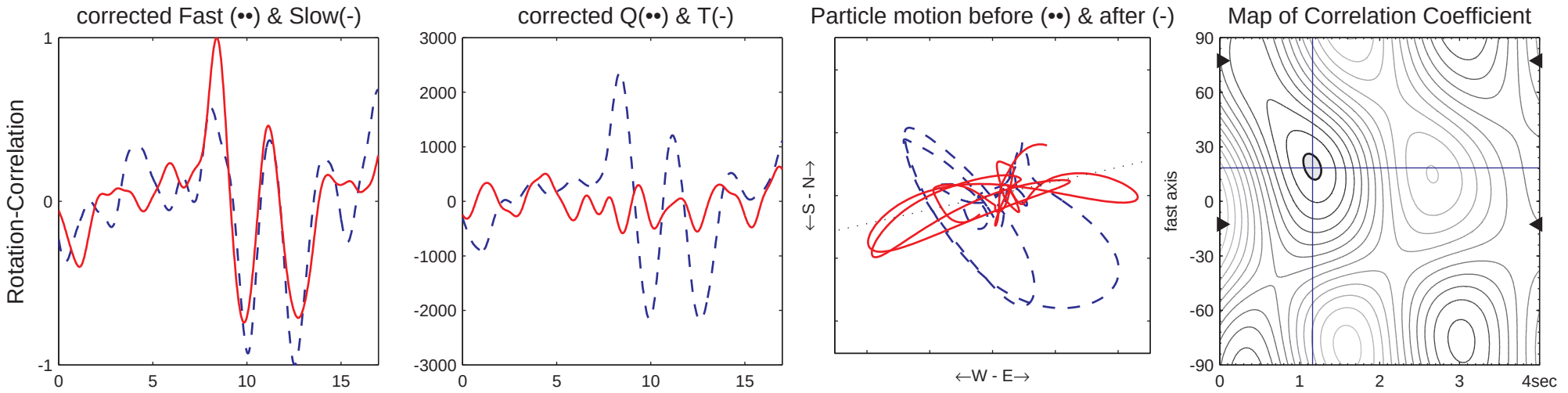
Event: **07-Feb-2011 (038) 19:53 -7.15N 155.18E 415km Mw=6.4**
Station: **CEYT** Backazimuth: **77.3”** Distance: **117.67”**
init.Pol.: **256.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

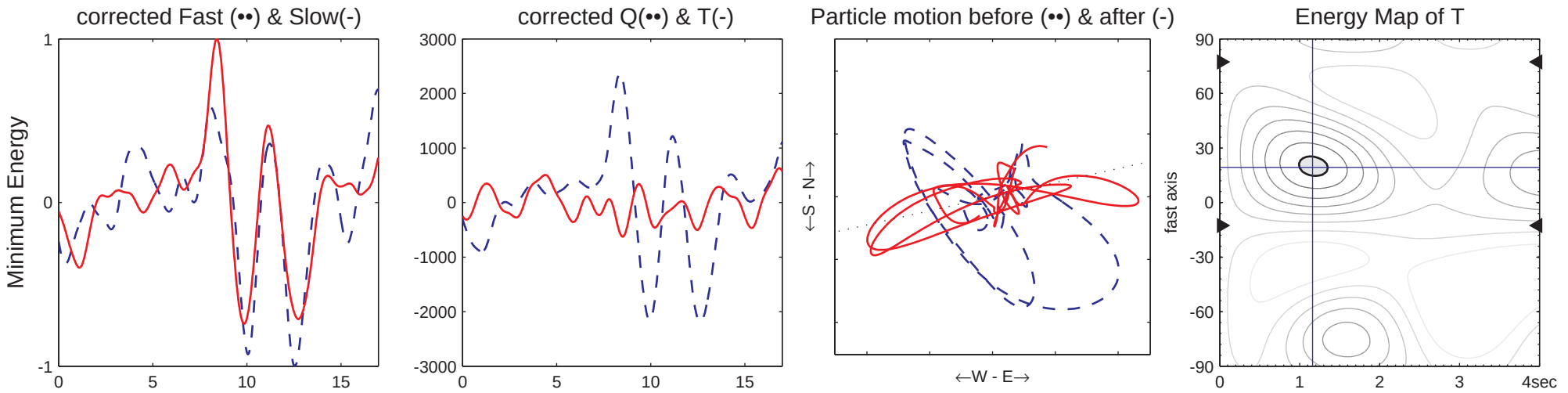
Rotation Correlation:	12<	18° <	27	1.0<1.2s<1.3
Minimum Energy:	15<	19° <	25	1.0<1.2s<1.4
Eigenvalue:	9<	19° <	31	1.0<1.2s<1.4

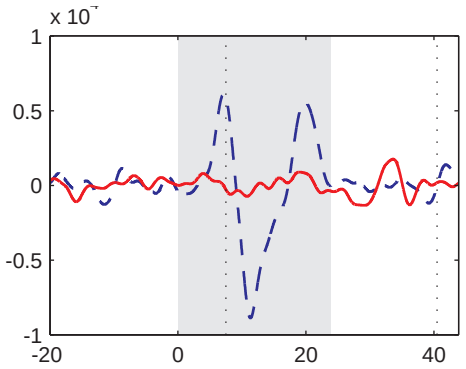
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.2”**



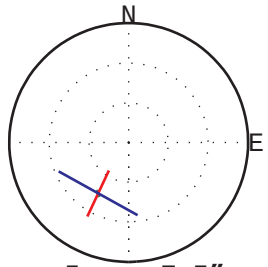


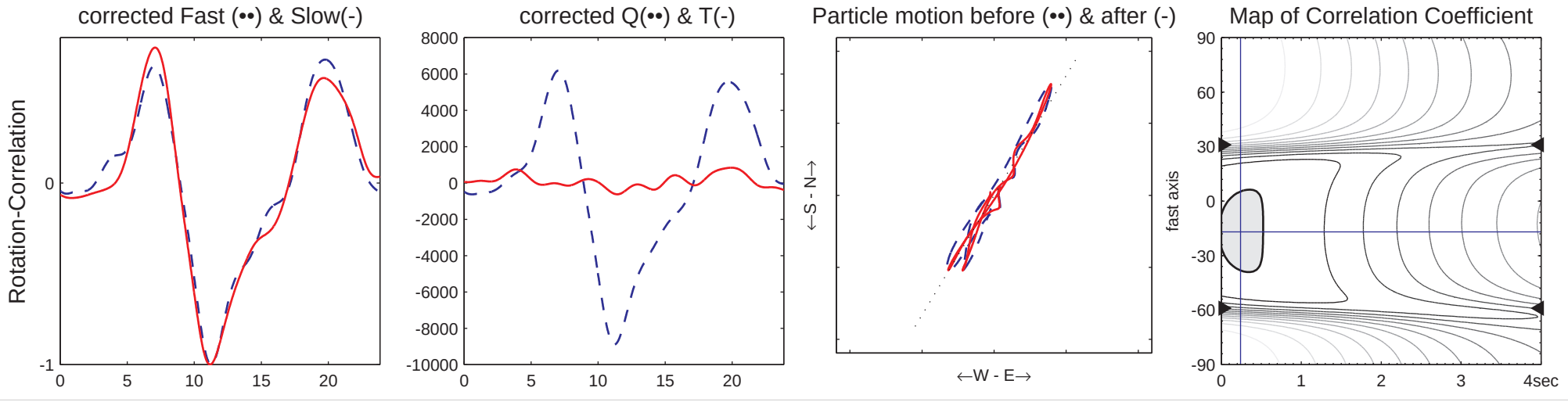


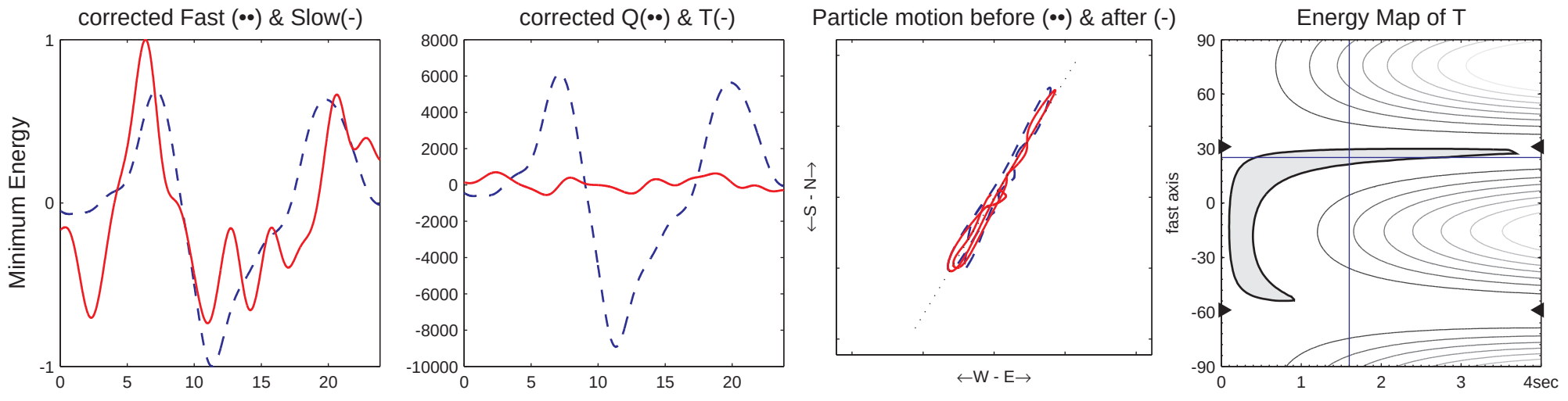
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **CEYT** Backazimuth: **211.0”** Distance: **107.44”**
init.Pol.: **24.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.7**

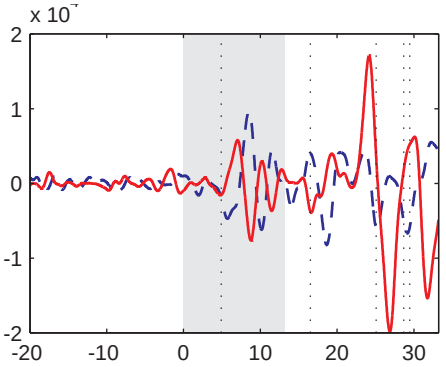
Rotation Correlation:	-40<	-17° < 6	0.0<0.2s<0.5
Minimum Energy:	-54<	25° < 29	0.1<1.6s<3.7
Eigenvalue:	-68<	-61° < 21	0.2<2.8s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





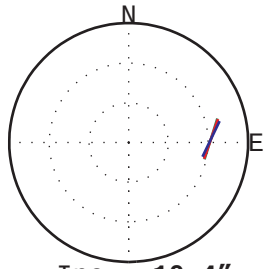




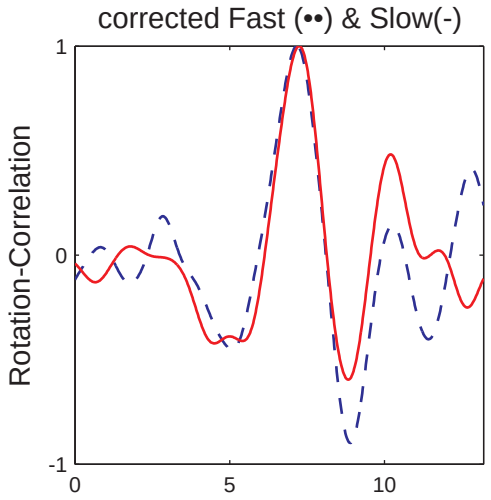
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **CEYT** Backazimuth: **87.6”** Distance: **89.05”**
init.Pol.: **277.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.1**

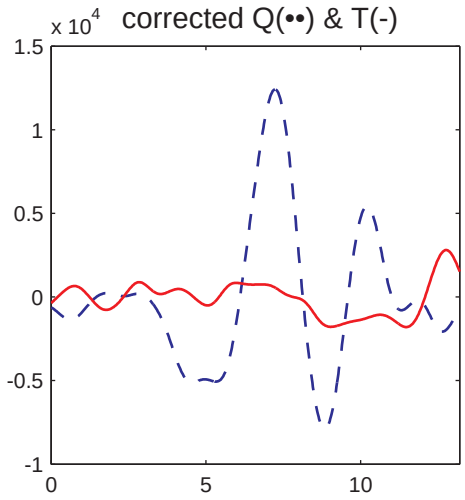
Rotation Correlation:	10<	18° <	26	1.2<1.3s<1.5
Minimum Energy:	15<	20° <	23	1.1<1.3s<1.5
Eigenvalue:	15<	26° <	35	0.9<1.2s<1.5

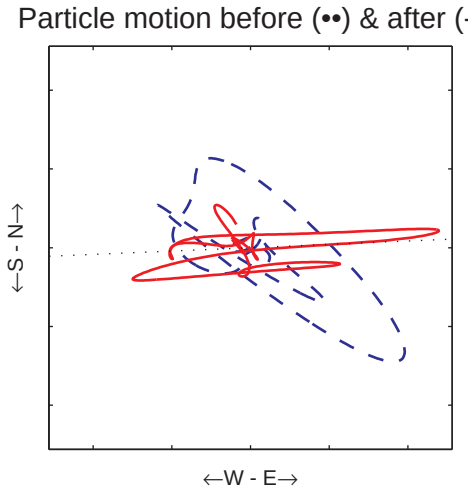
Quality: **good** IsNull: **No** Phase: **SKS**

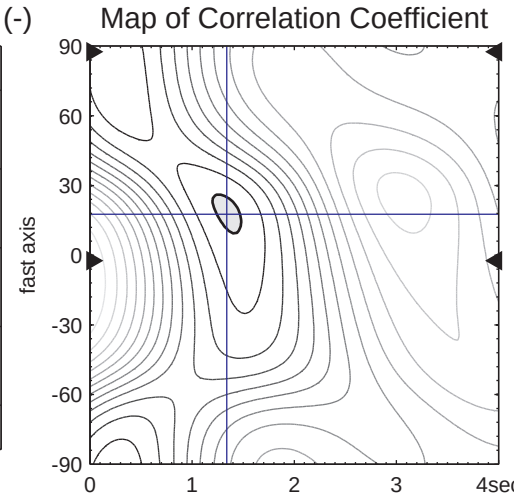


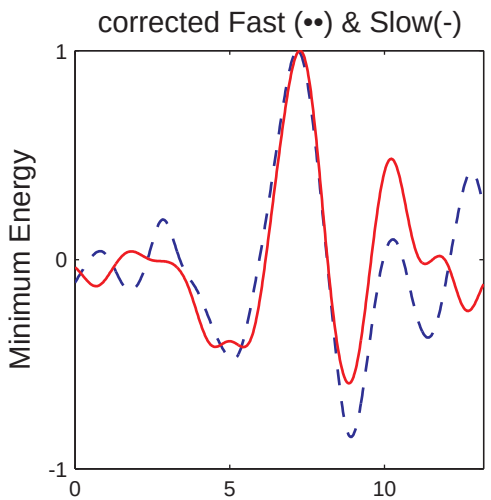
Inc = **10.4”**

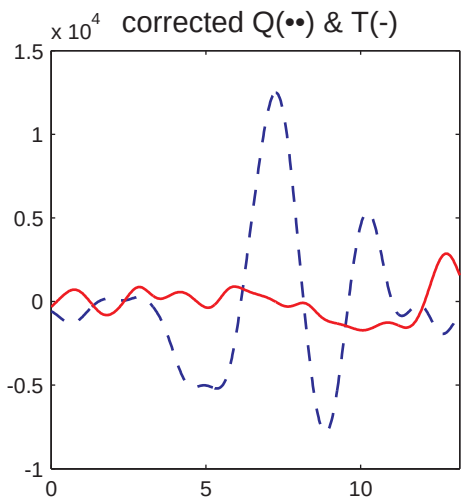


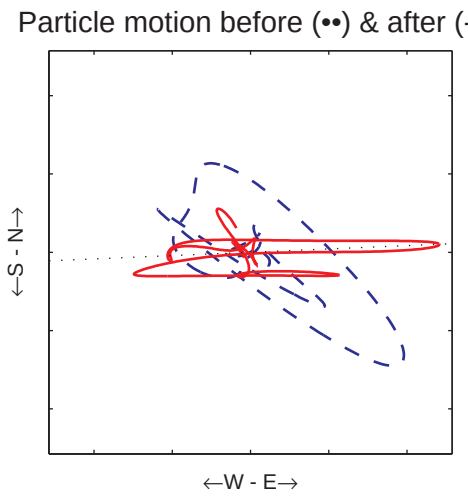


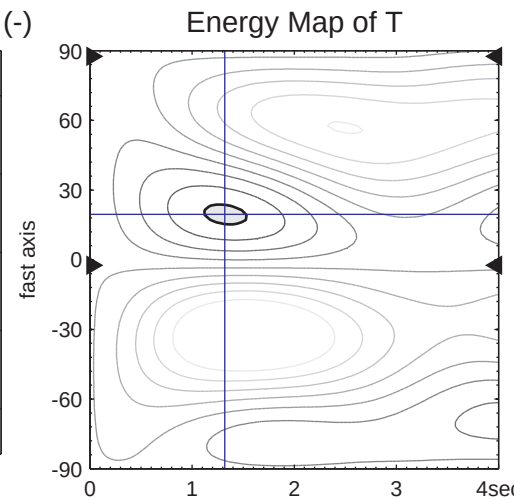


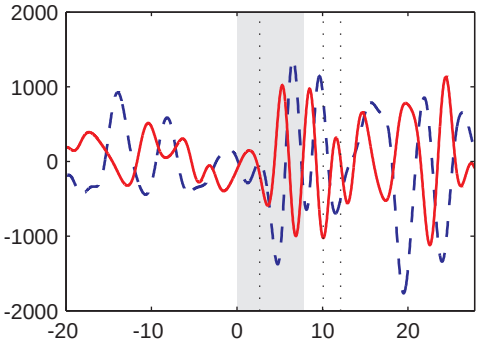








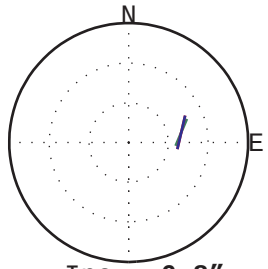




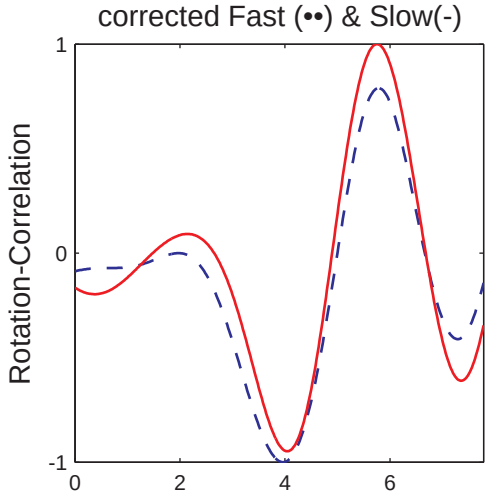
Event: **16-Jun-2011 (167) 00:03 -5.93N 151.04E 16km Mw=6.4**
Station: **CEYT** Backazimuth: **79.1”** Distance: **113.67”**
init.Pol.: **258.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**15.4**

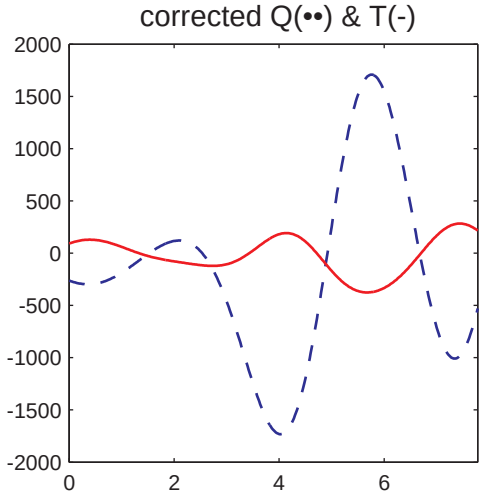
Rotation Correlation:	6<	23° <	71	0.4<0.9s<1.2
Minimum Energy:	11<	13° <	17	1.0<1.1s<1.2
Eigenvalue:	9<	13° <	19	1.0<1.1s<1.2

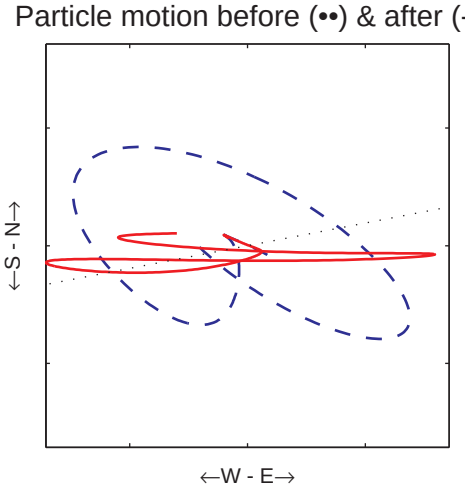
Quality: **fair** IsNull: **No** Phase: **SKS**

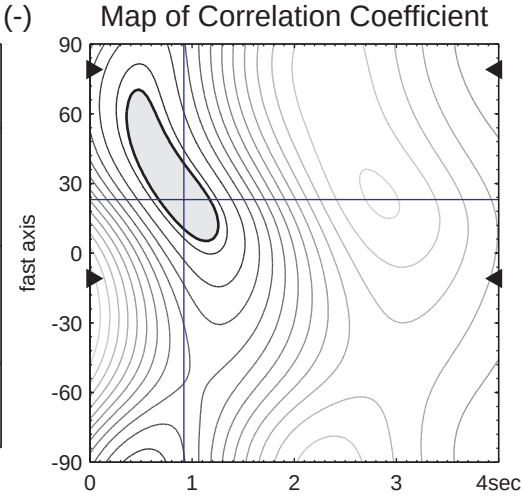


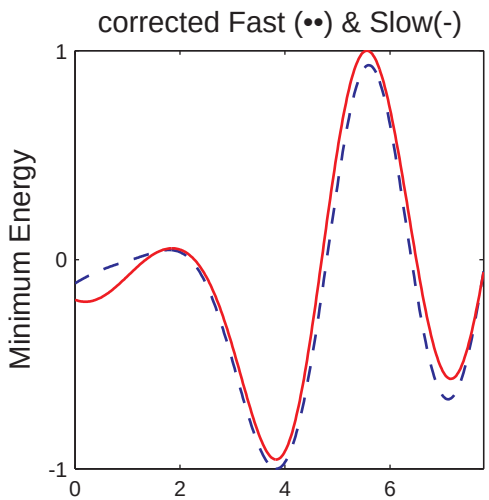
Inc = **6.8”**

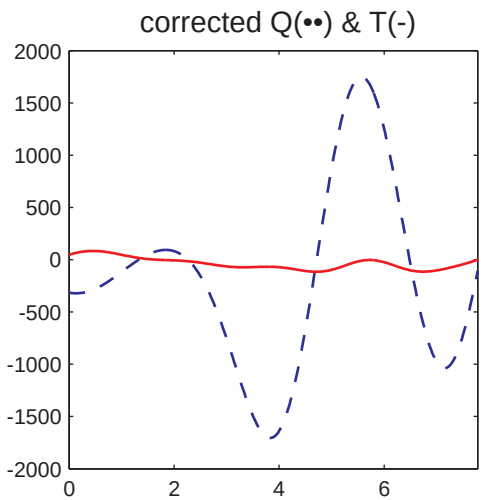


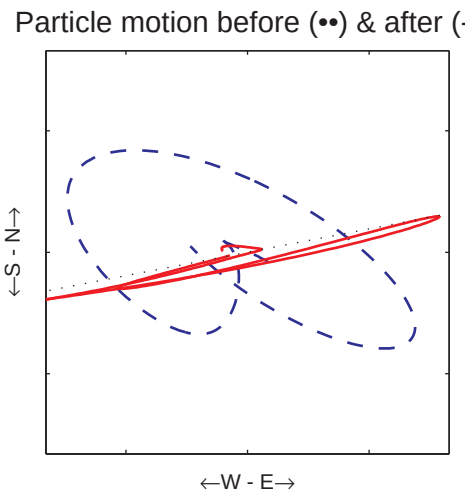


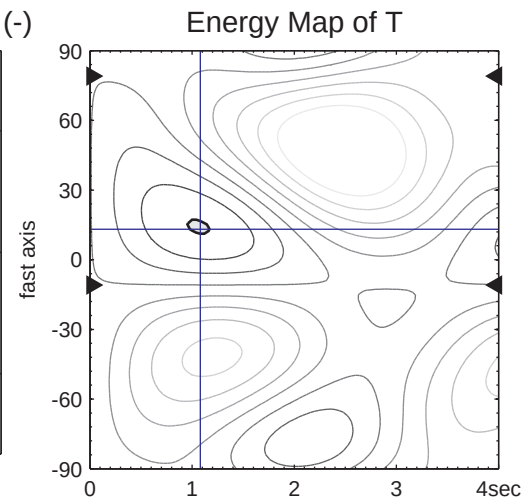


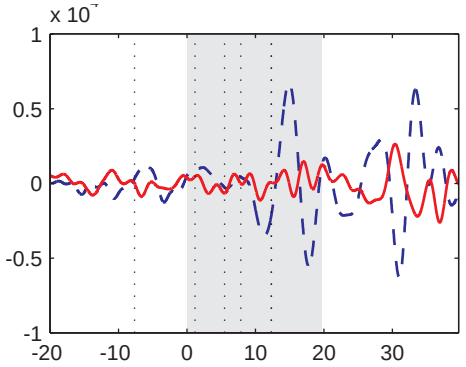








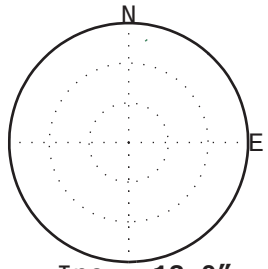




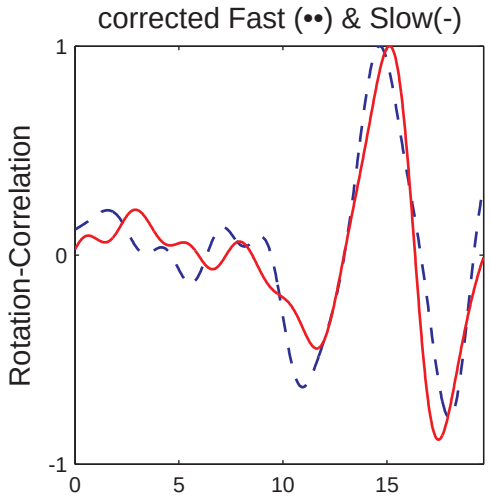
Event: **16-Jul-2011 (197) 19:59 54.79N -161.29E 36km Mw=6.1**
Station: **CEYT** Backazimuth: **9.7”** Distance: **87.04”**
init.Pol.: **198.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

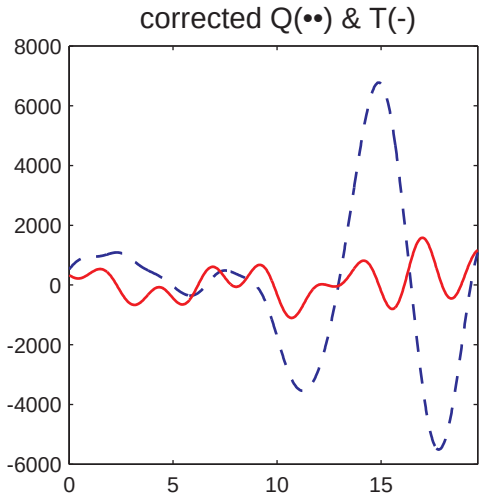
Rotation Correlation:	-46<	-35° <	-27	0.0<0.0s<0.2
Minimum Energy:	-Inf<	-82° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-86<	-78° <	-74	3.2<4.0s<4.0

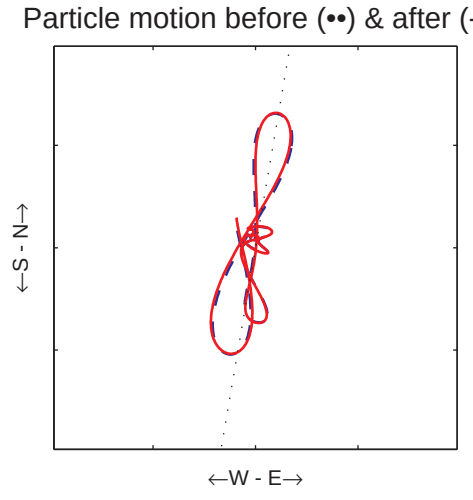
Quality: **good** IsNull: **Yes** Phase: **SKKS**

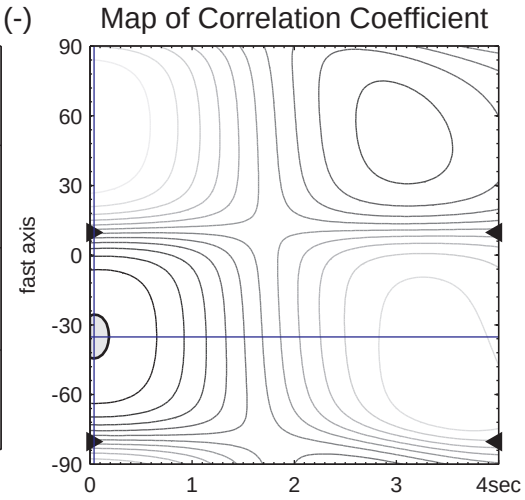


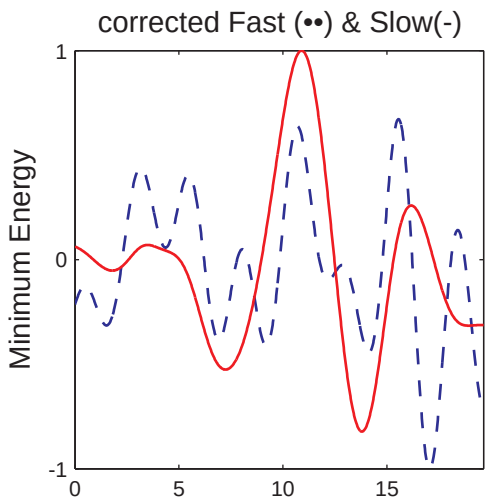
Inc = **13.0”**

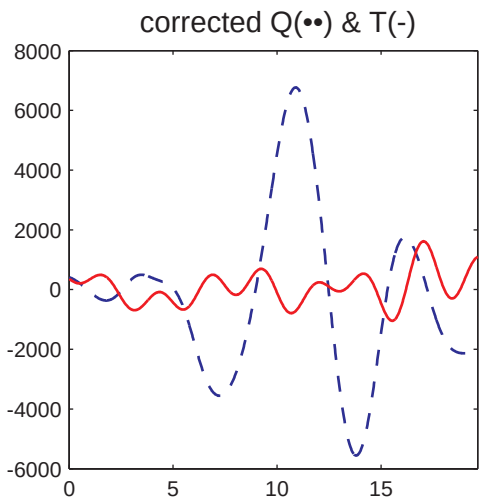


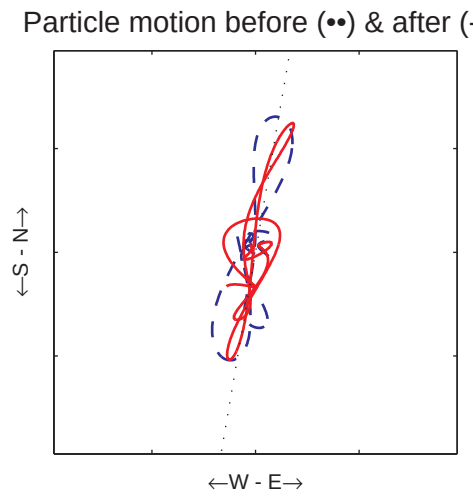


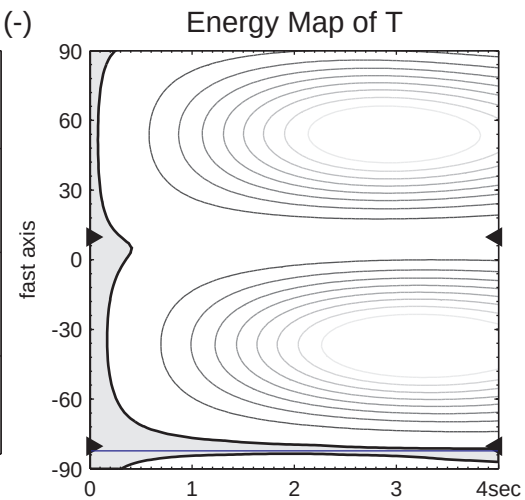


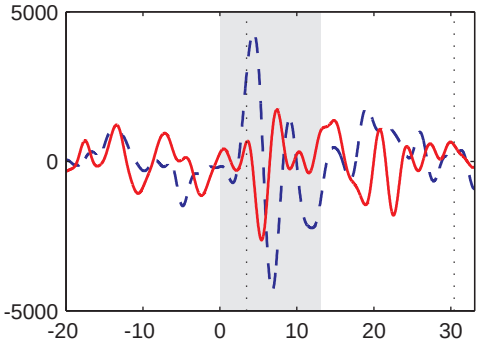








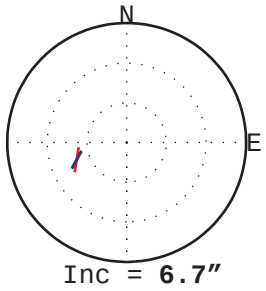


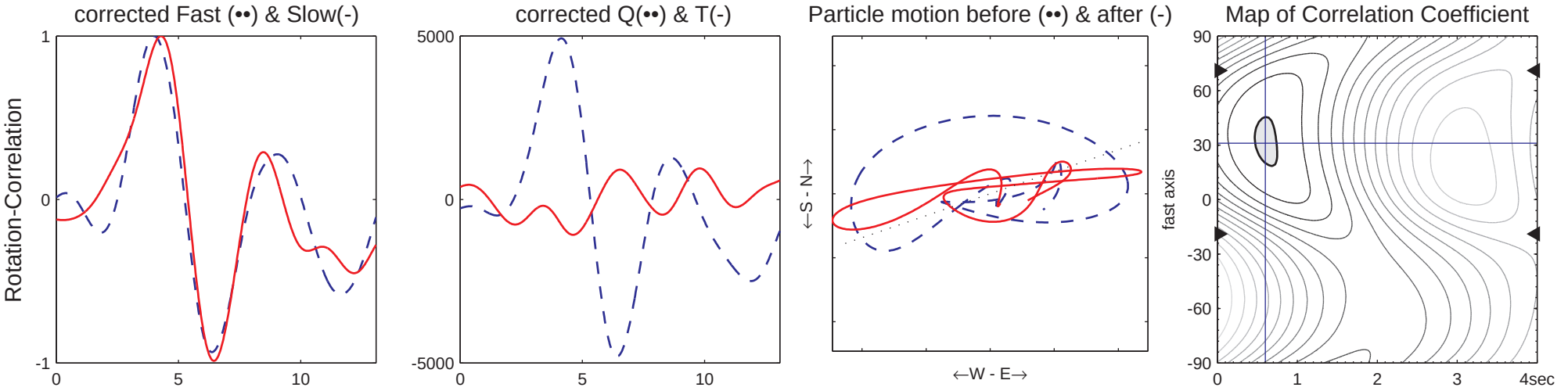


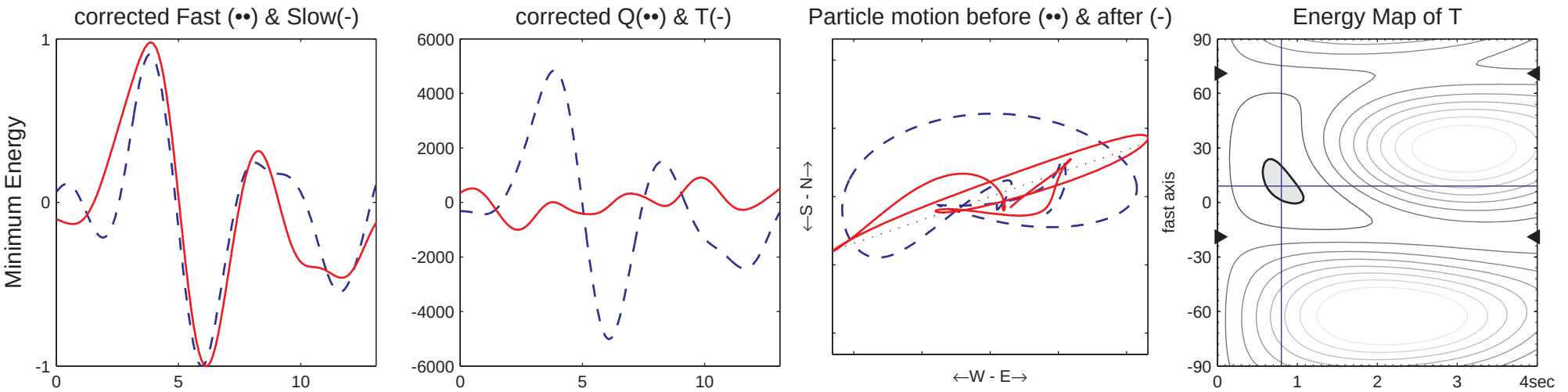
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **CEYT** Backazimuth: **251.0”** Distance: **113.17”**
init.Pol.: **79.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

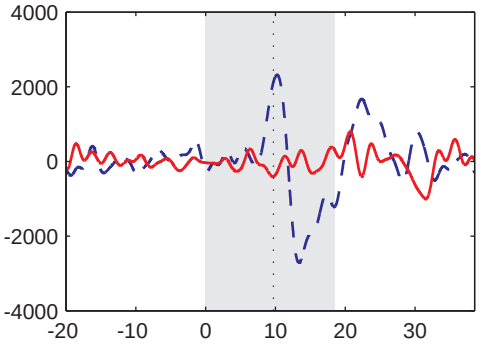
Rotation Correlation:	19<	31° <	46	0.5<0.6s<0.8
Minimum Energy:	-1<	9° <	23	0.6<0.8s<1.1
Eigenvalue:	5<	27° <	56	0.5<0.6s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





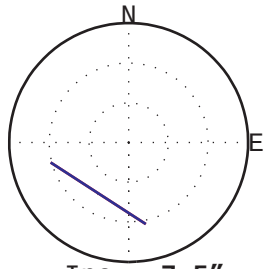


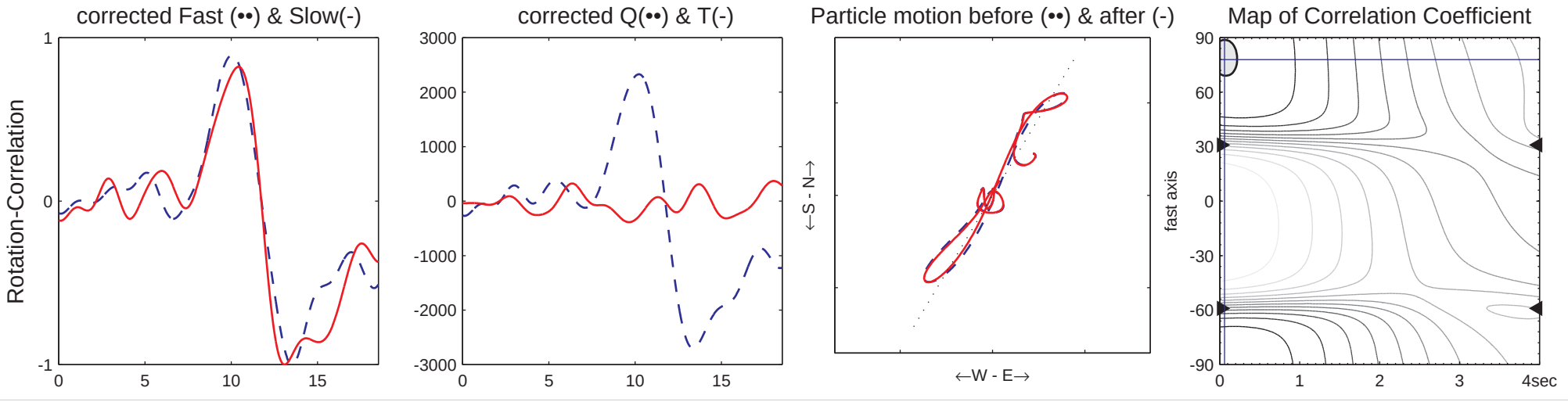


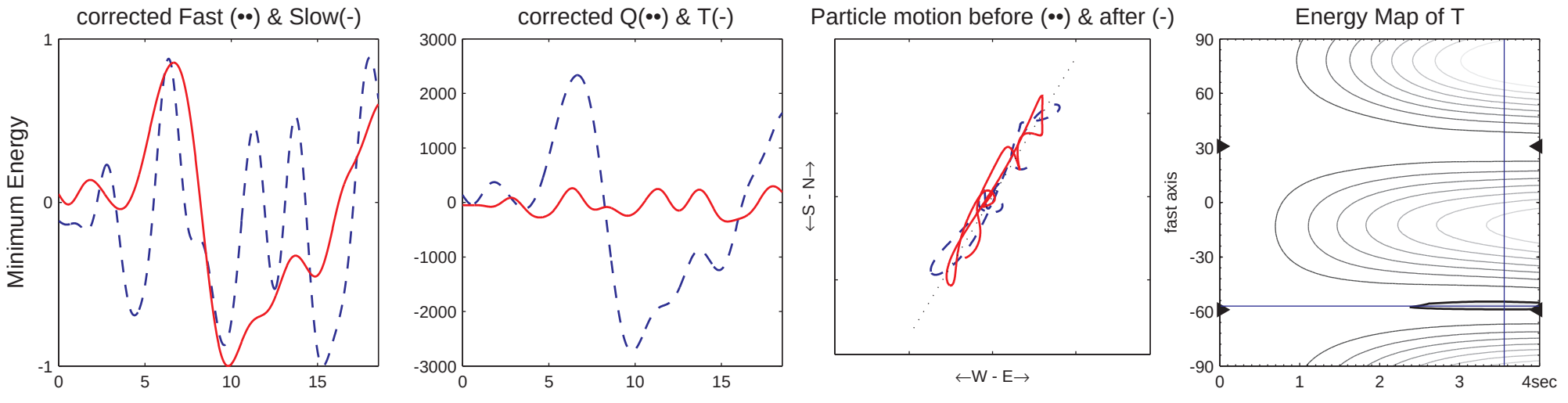
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **CEYT** Backazimuth: **210.9”** Distance: **107.37”**
init.Pol.: **29.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

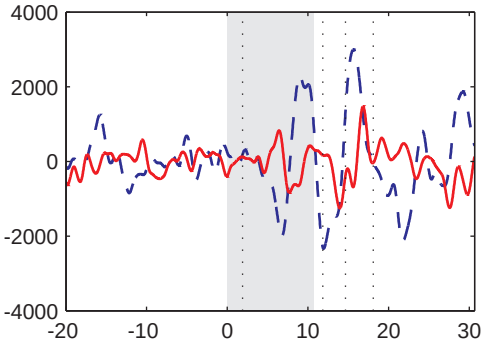
Rotation Correlation:	69<	78° <	89	0.0<0.1s<0.2
Minimum Energy:	-62<	-57° <	-56	2.4<3.6s<4.0
Eigenvalue:	-64<	-57° <	-58	2.7<3.6s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





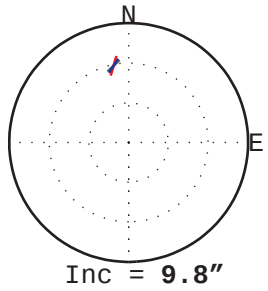


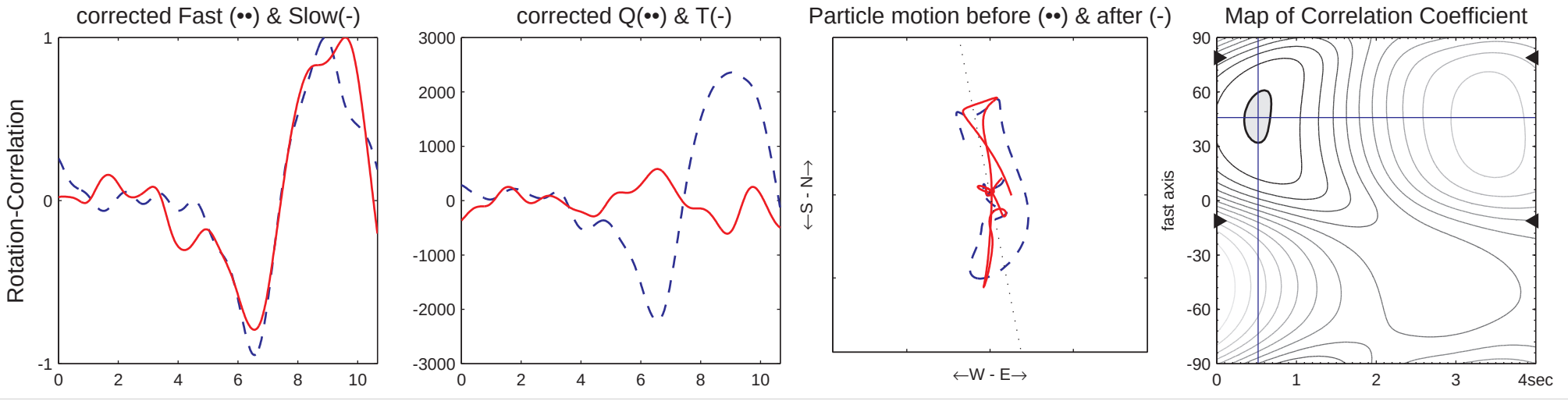


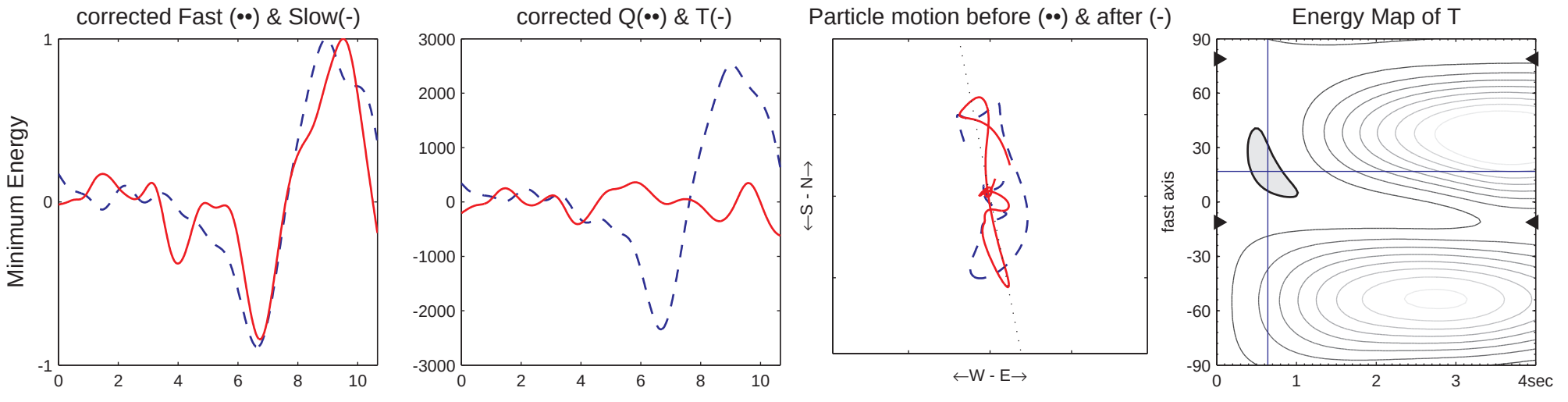
Event: **09-Sep-2011 (252) 19:41 49.53N -126.89E 22km Mw=6.4**
Station: **CEYT** Backazimuth: **348.8”** Distance: **92.10”**
init.Pol.: **175.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.7**

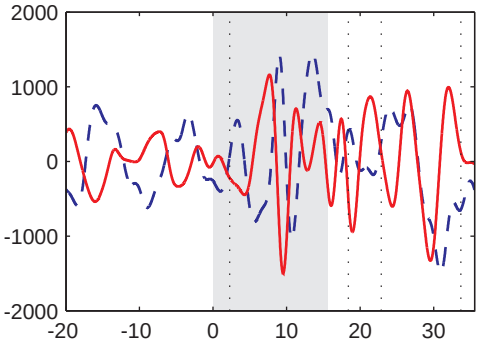
Rotation Correlation:	32<	46° <	61	0.4<0.5s<0.7
Minimum Energy:	3<	17° <	41	0.4<0.6s<1.0
Eigenvalue:	9<	35° <	74	0.4<0.5s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**



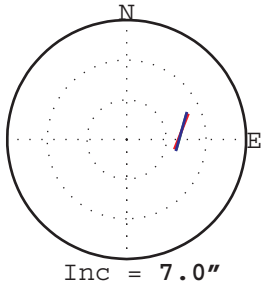


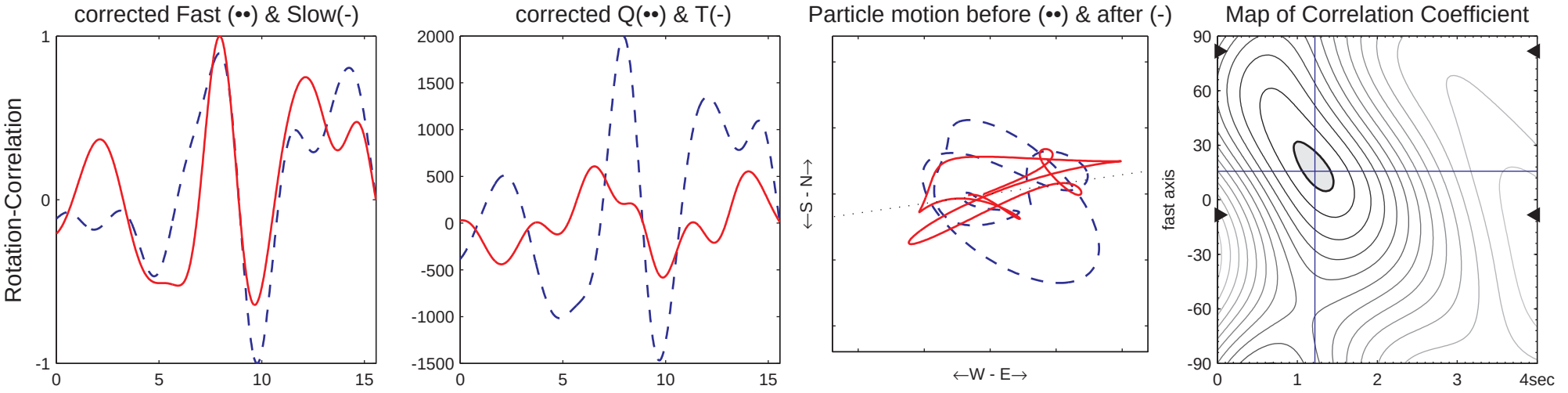


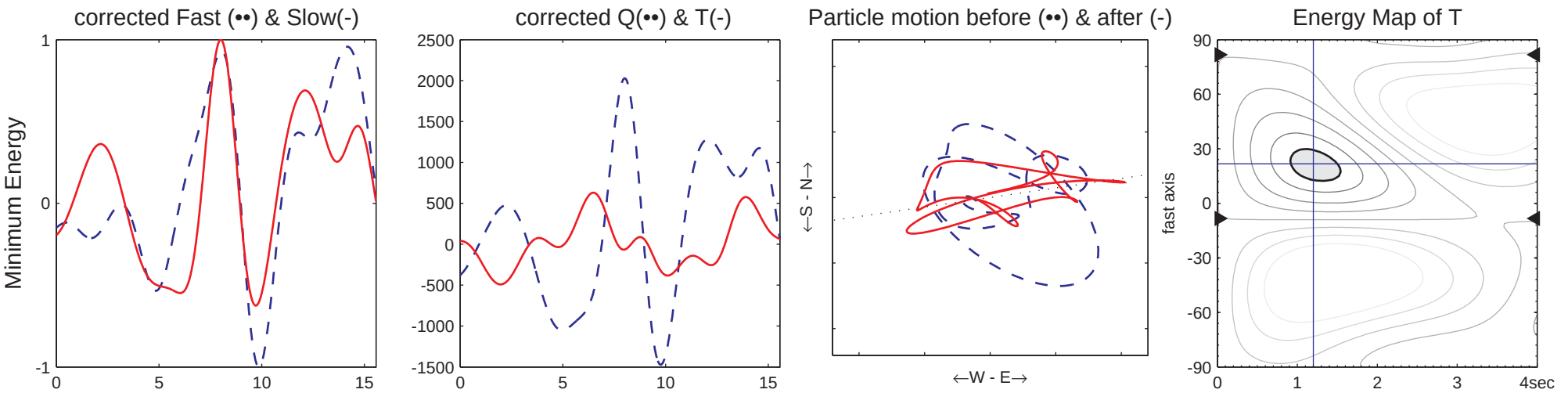


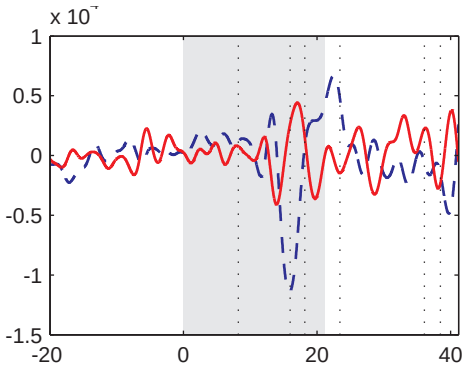
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **CEYT** Backazimuth: **81.7”** Distance: **111.58”**
init.Pol.: **254.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.5**

Rotation Correlation:	5<	16° <	32	1.0<1.2s<1.4
Minimum Energy:	13<	22° <	29	0.9<1.2s<1.6
Eigenvalue:	-1<	16° <	33	0.9<1.3s<1.6
Quality:	**fair**	IsNull: **No**		Phase: **SKS**





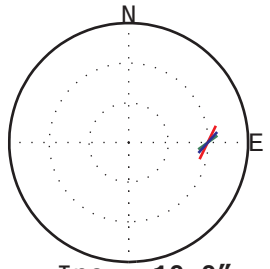




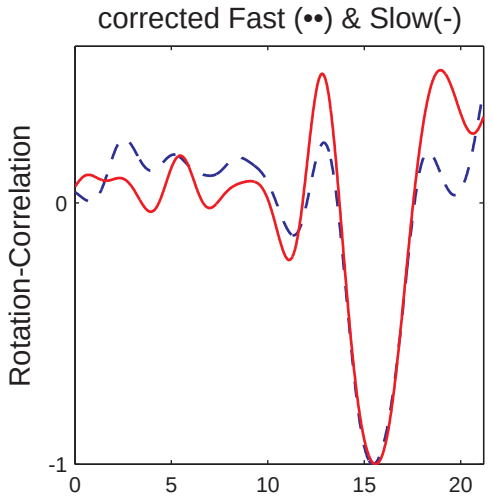
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **CEYT** Backazimuth: **90.1”** Distance: **91.50”**
init.Pol.: **282.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

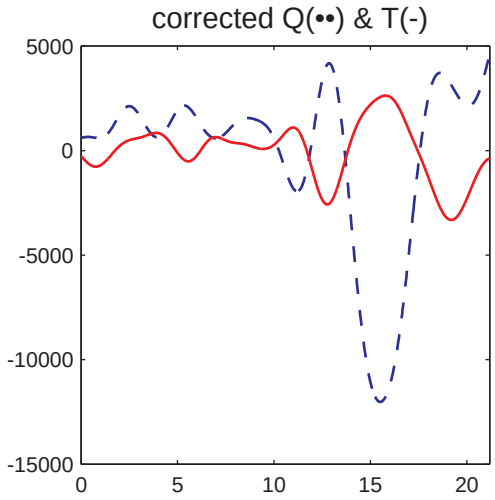
Rotation Correlation:	44<	54° <	66	0.6<0.7s<0.9
Minimum Energy:	17<	26° <	37	0.8<1.2s<1.6
Eigenvalue:	31<	42° <	64	0.6<0.9s<1.2

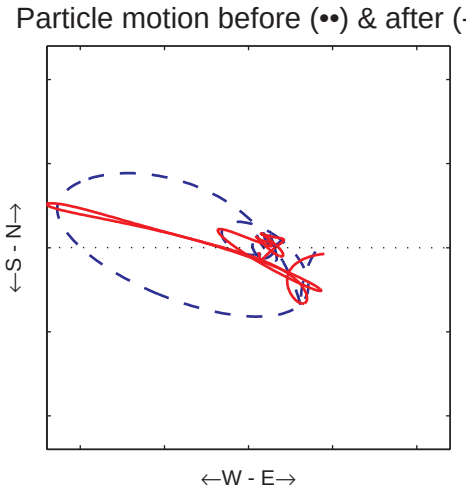
Quality: **fair** IsNull: **No** Phase: **SKS**

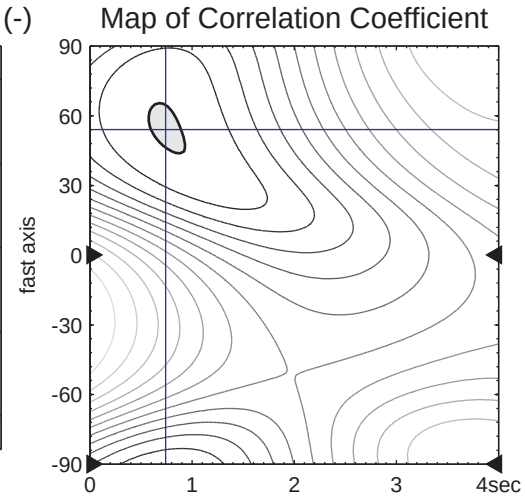


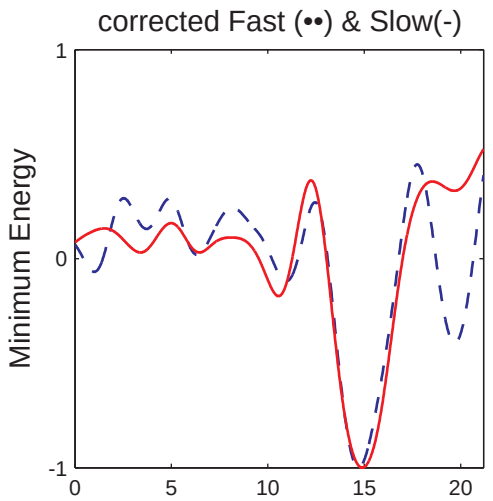
Inc = **10.0”**

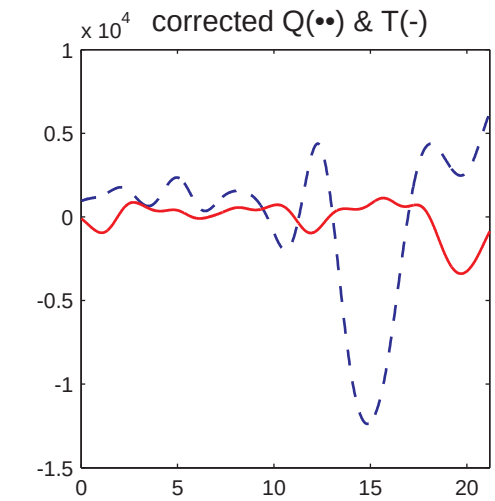


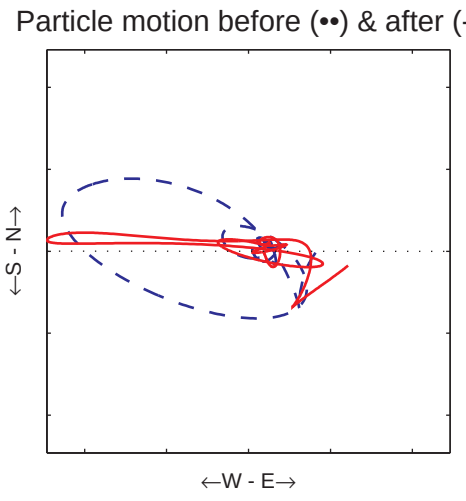


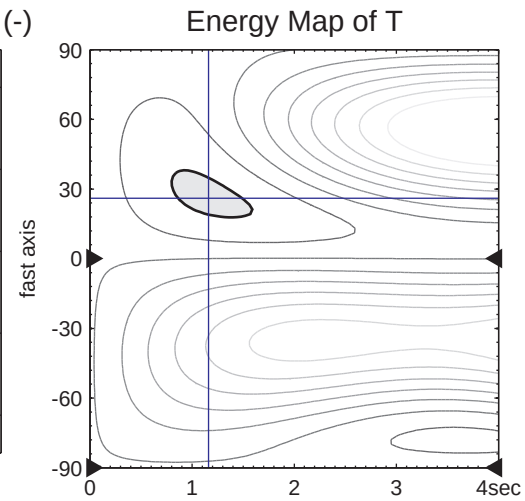


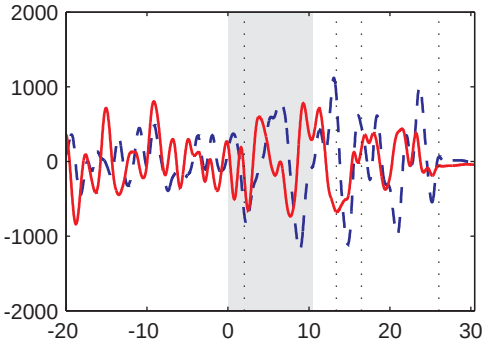








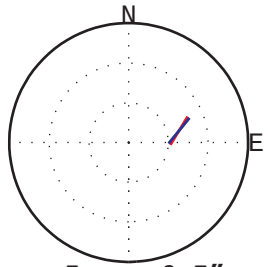


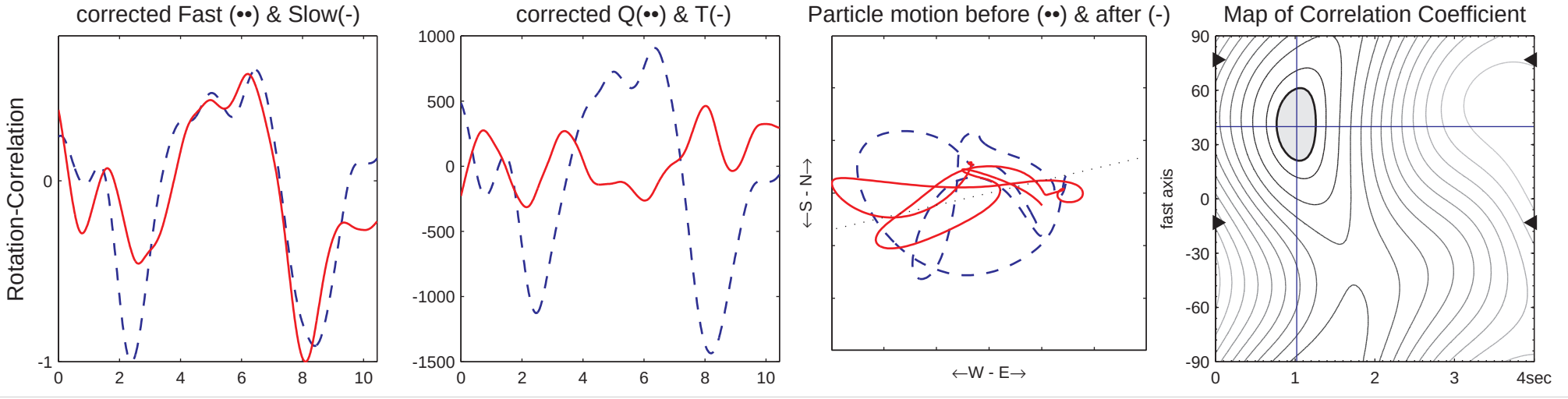


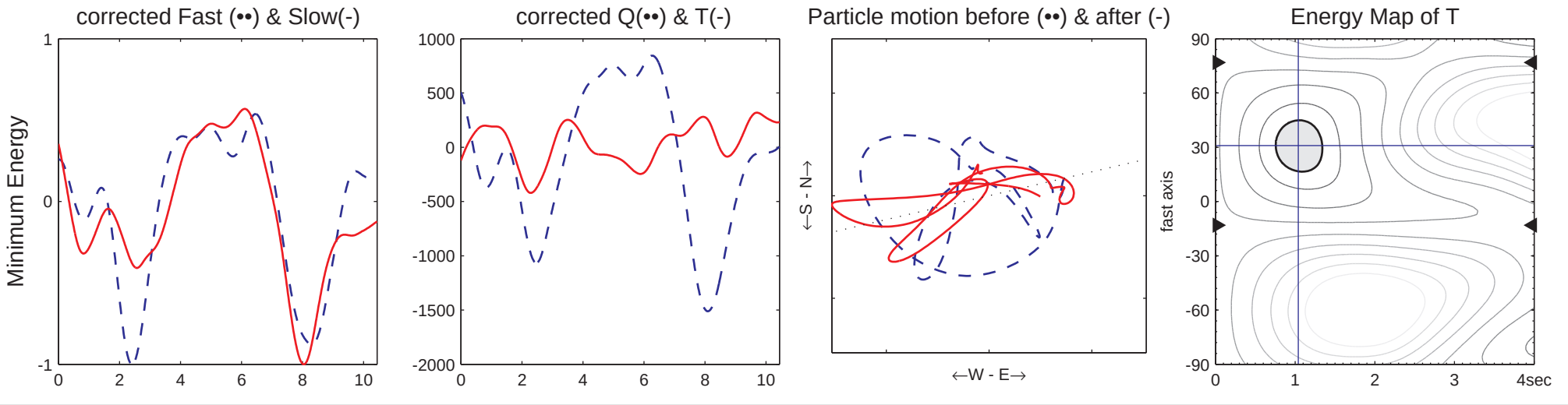
Event: **28-Nov-2011 (332) 12:26 -5.48N 153.73E 25km Mw=6.1**
Station: **CEYT** Backazimuth: **76.9”** Distance: **115.50”**
init.Pol.: **264.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

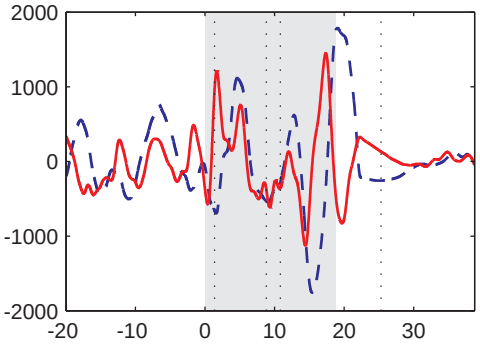
Rotation Correlation:	21<	40° <	61	0.8<1.0s<1.2
Minimum Energy:	17<	31° <	46	0.8<1.0s<1.4
Eigenvalue:	13<	39° <	66	0.8<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





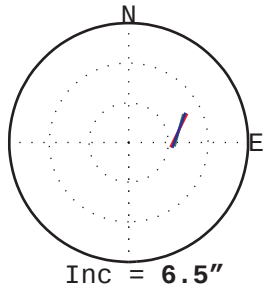


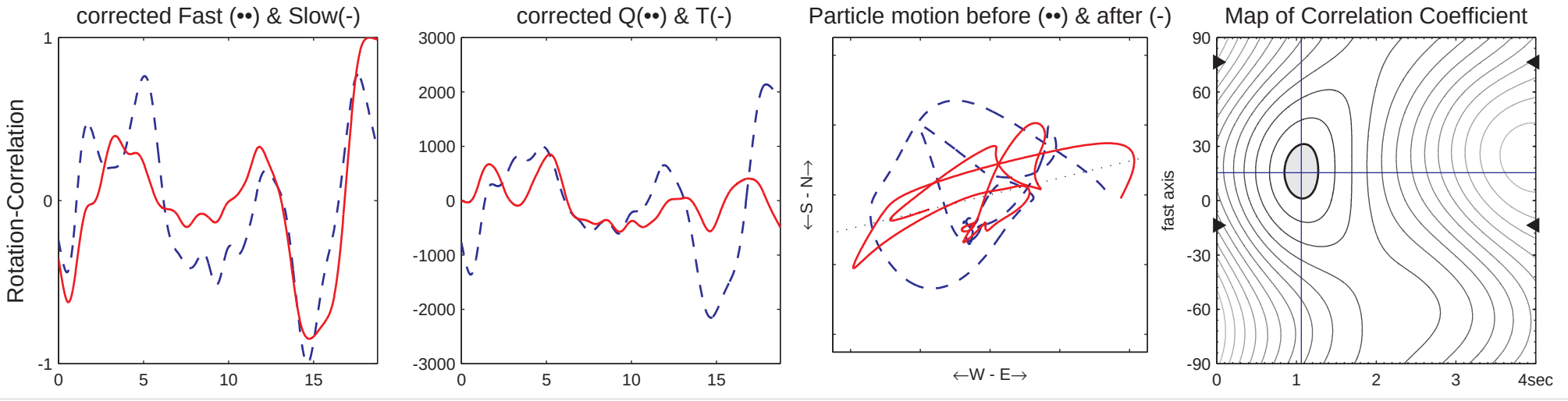


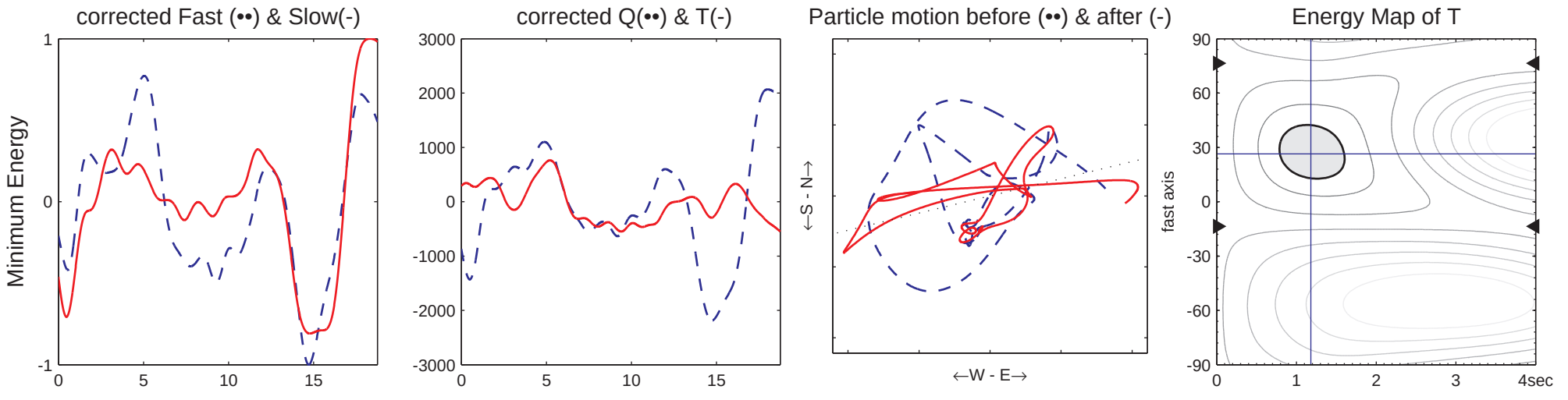
Event: **16-Jun-2011 (167) 00:03 -5.93N 151.04E 16km Mw=6.4**
Station: **CHBY** Backazimuth: **76.4”** Distance: **115.55”**
init.Pol.: **251.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.1**

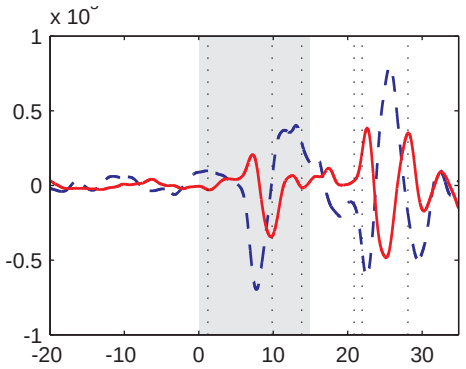
Rotation Correlation:	2<	15° <	32	0.8<1.1s<1.3
Minimum Energy:	13<	26° <	41	0.8<1.2s<1.6
Eigenvalue:	-15<	20° <	58	0.8<1.2s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





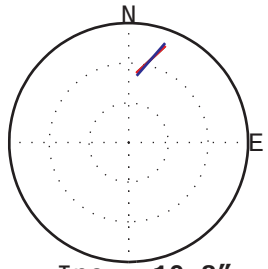




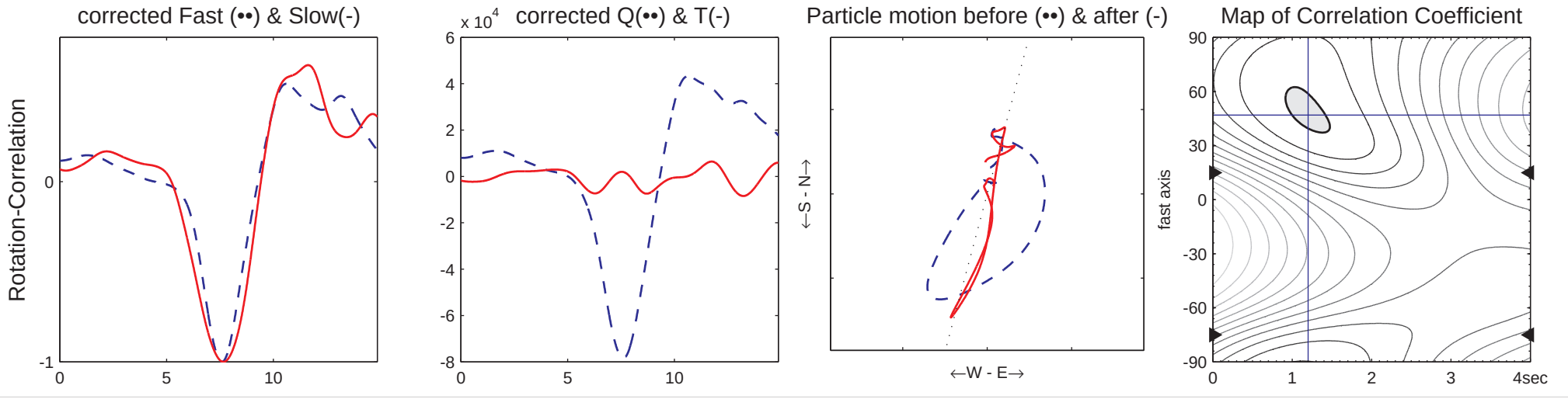
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **CHBY** Backazimuth: **14.9”** Distance: **86.84”**
init.Pol.: **190.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.4**

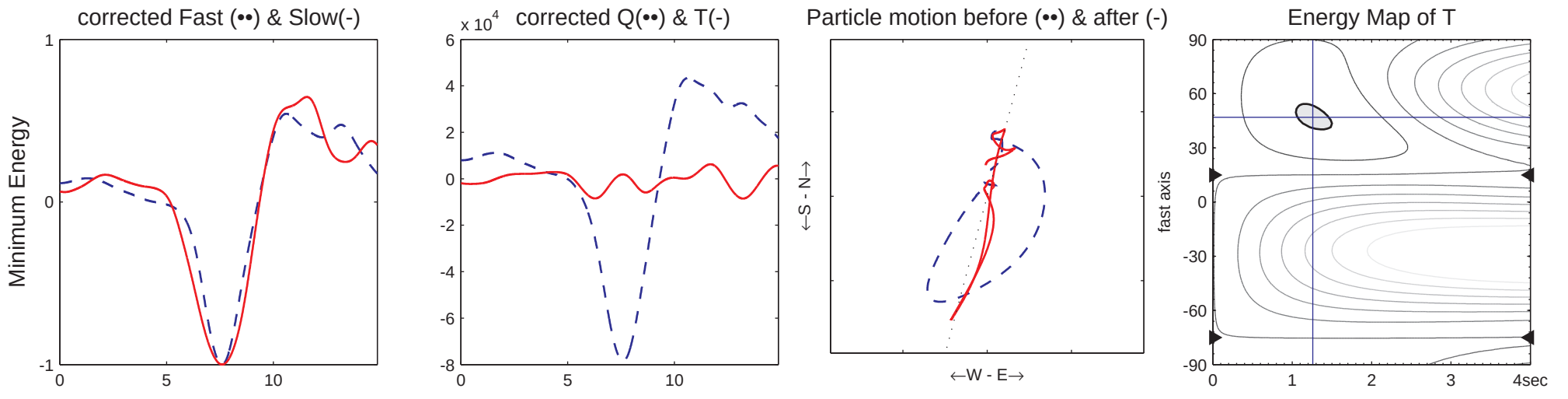
Rotation Correlation:	37<	47° <	63	0.9<1.2s<1.5
Minimum Energy:	39<	47° <	54	1.0<1.3s<1.5
Eigenvalue:	33<	41° <	50	1.1<1.4s<1.6

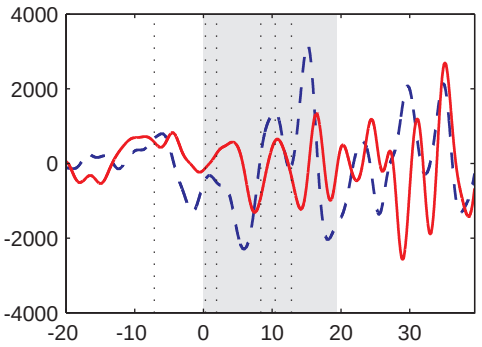
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



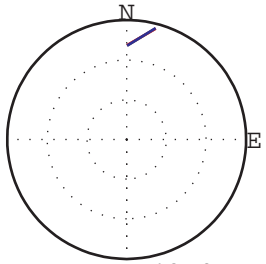




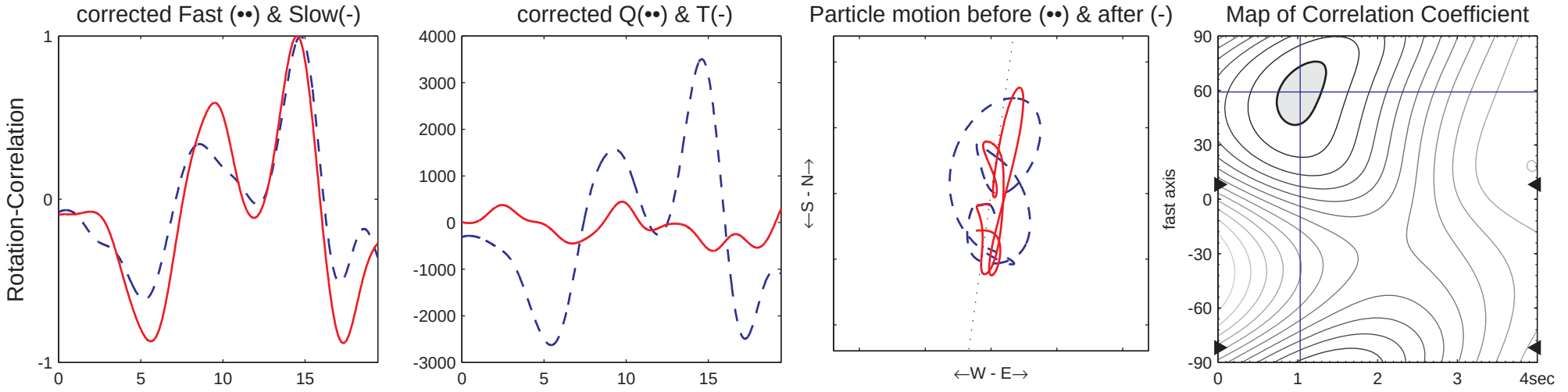
Event: **16-Jul-2011 (197) 19:59 54.79N -161.29E 36km Mw=6.1**
Station: **CHBY** Backazimuth: **8.1”** Distance: **85.84”**
init.Pol.: **187.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.3**

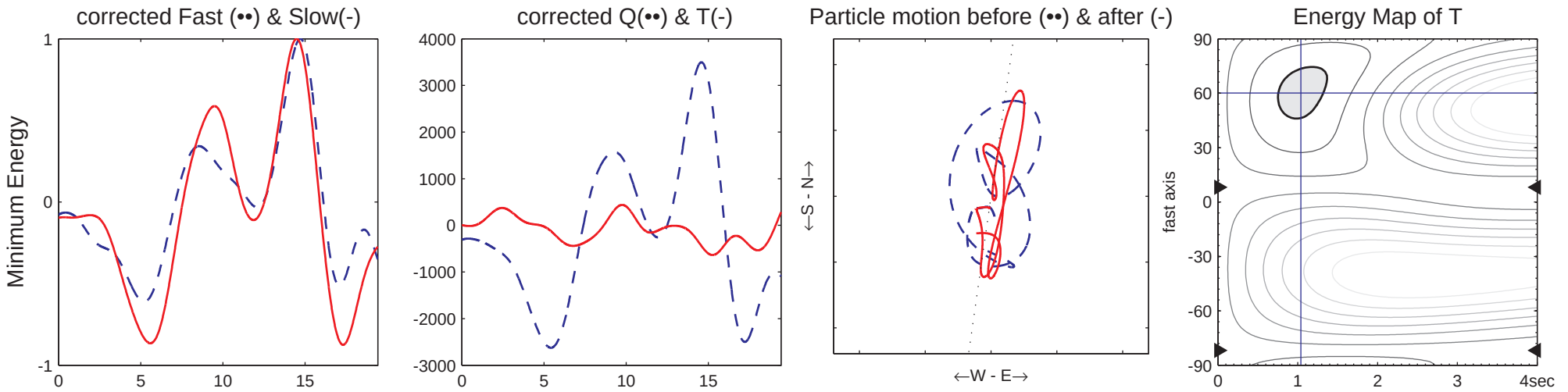
Rotation Correlation:	41<	59° <	76	0.7<1.0s<1.4
Minimum Energy:	46<	60° <	74	0.8<1.0s<1.4
Eigenvalue:	41<	58° <	78	0.8<1.0s<1.4

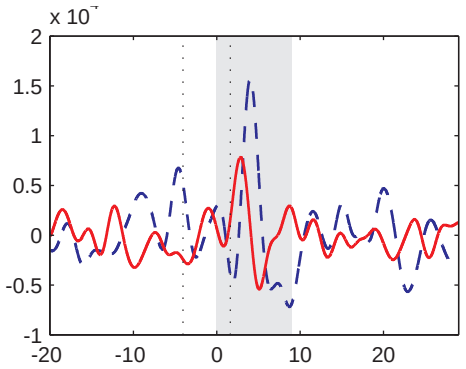
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



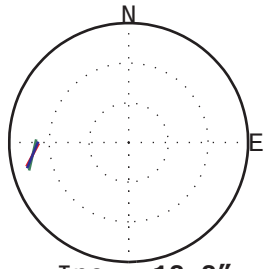


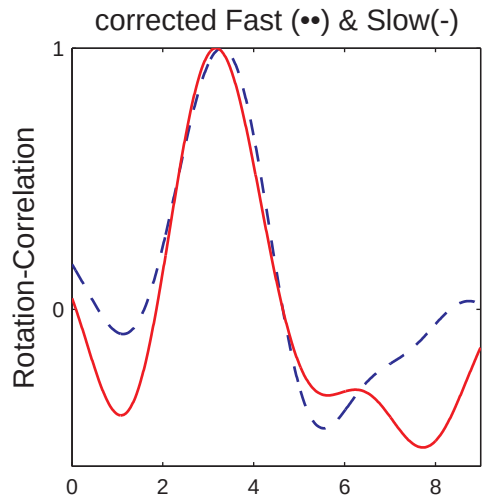


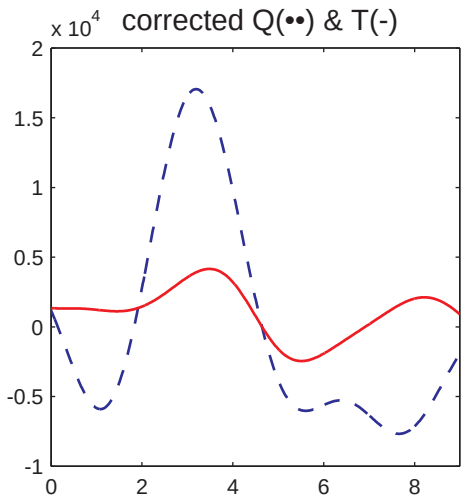
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **CHBY** Backazimuth: **262.6”** Distance: **105.66”**
init.Pol.: **78.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.0**

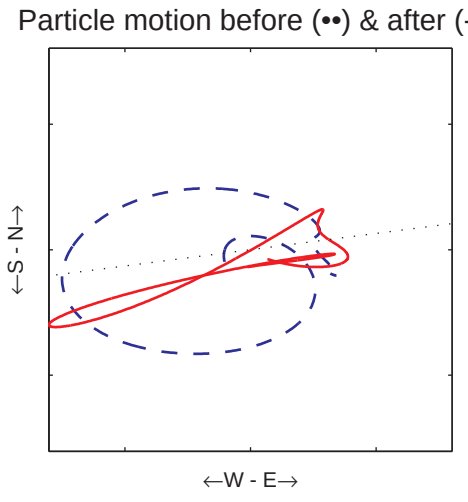
Rotation Correlation:	-5<	13° <	45	0.6<1.0s<1.4
Minimum Energy:	13<	29° <	52	0.5<0.8s<1.2
Eigenvalue:	3<	23° <	54	0.6<0.9s<1.3

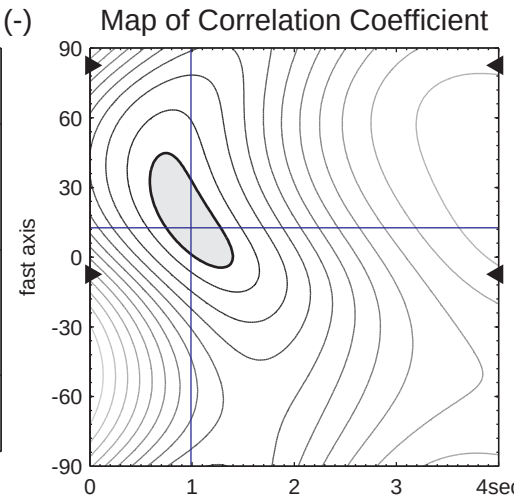
Quality: **fair** IsNull: **No** Phase: **SKKS**

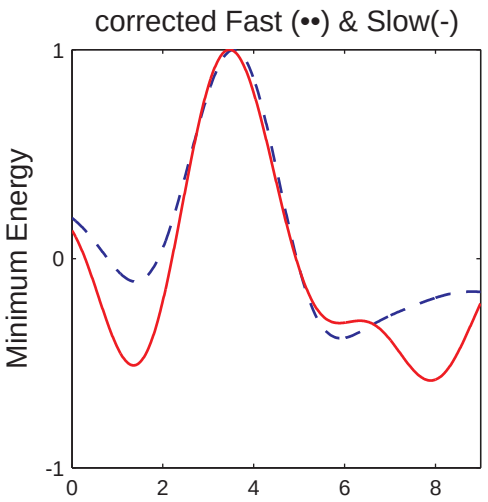


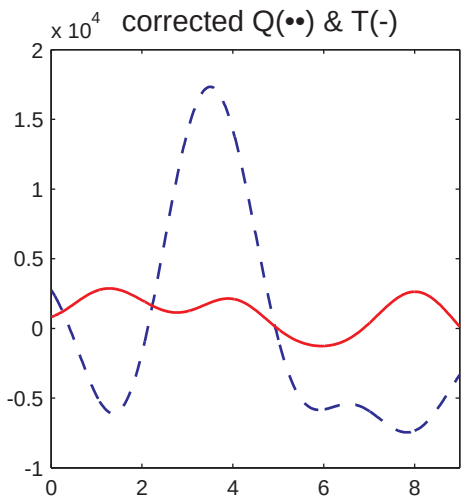


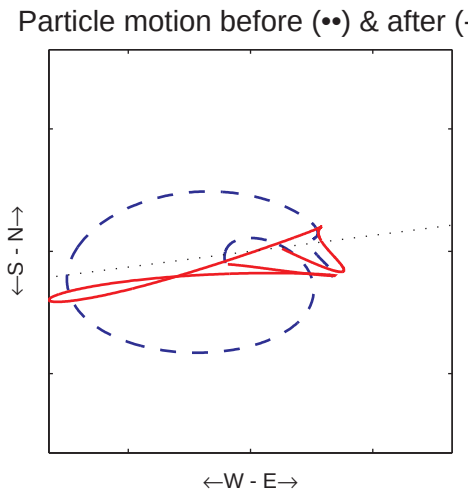


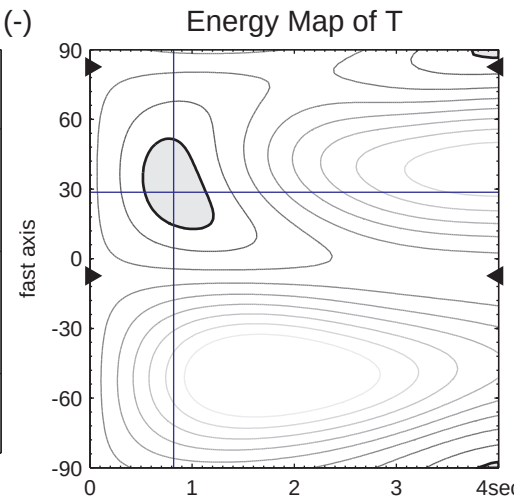


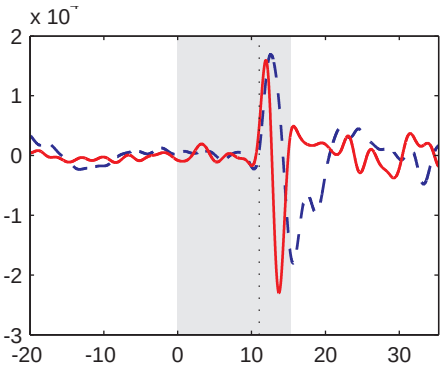








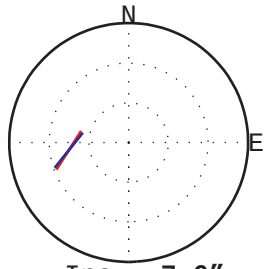


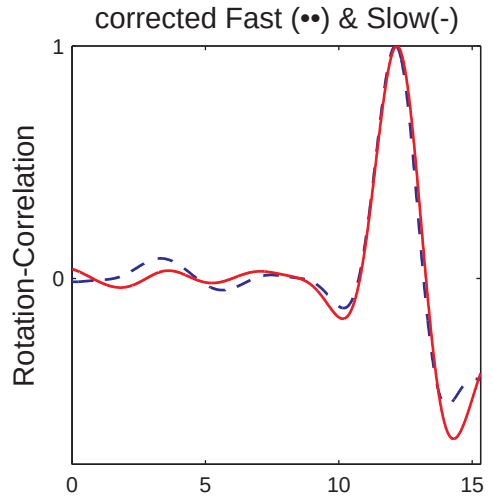


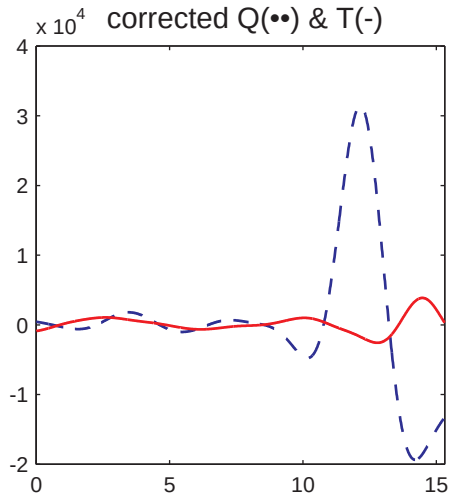
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **CHBY** Backazimuth: **262.6”** Distance: **105.66”**
init.Pol.: **89.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**18.7**

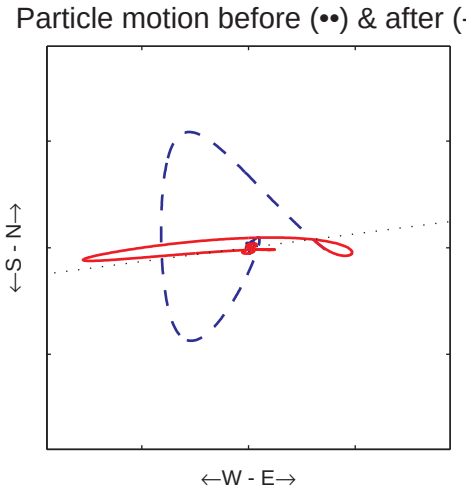
Rotation Correlation:	29<	38° <	48	1.2<1.4s<1.5
Minimum Energy:	33<	33° <	35	1.4<1.4s<1.5
Eigenvalue:	37<	39° <	43	1.4<1.4s<1.5

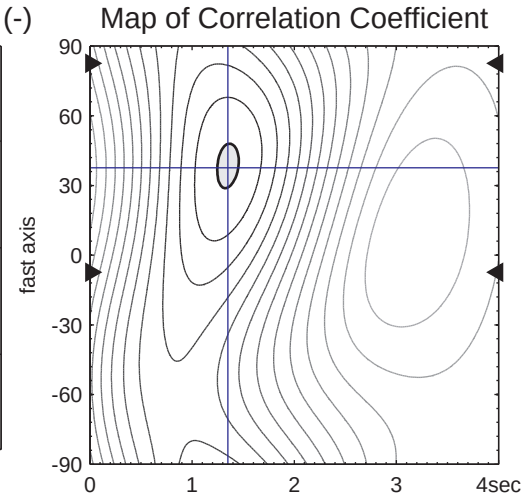
Quality: **good** IsNull: **No** Phase: **SKS**

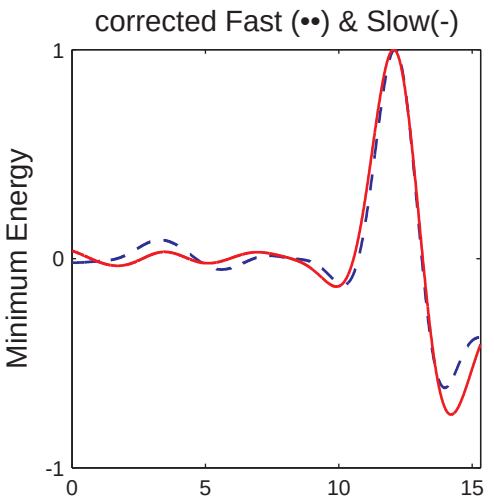


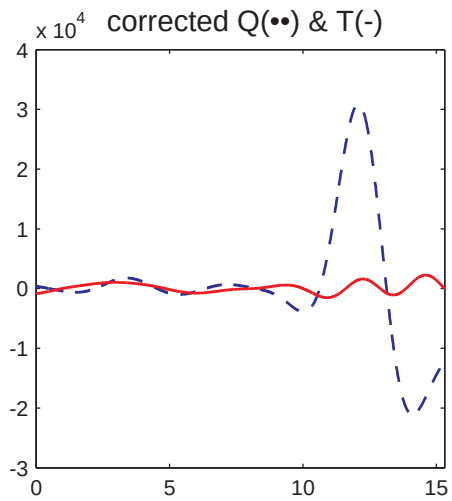


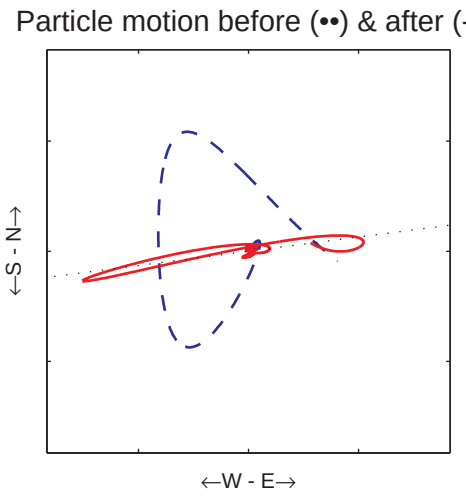


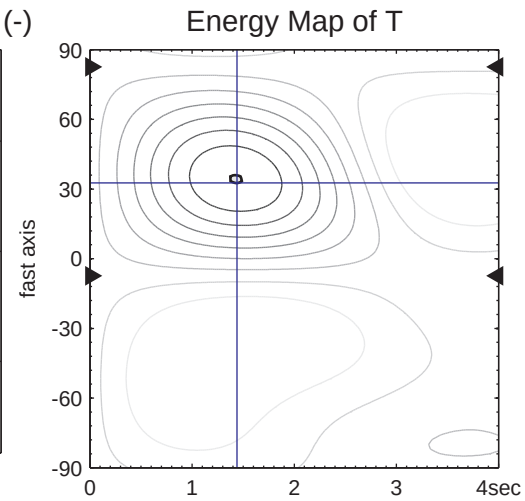


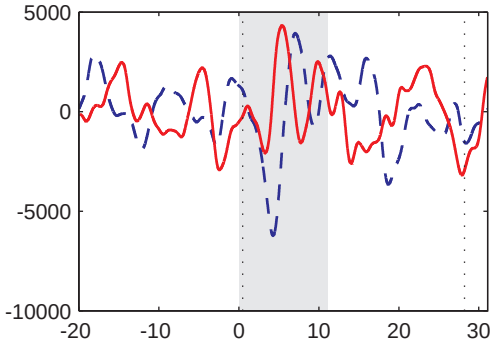








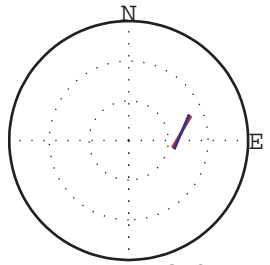


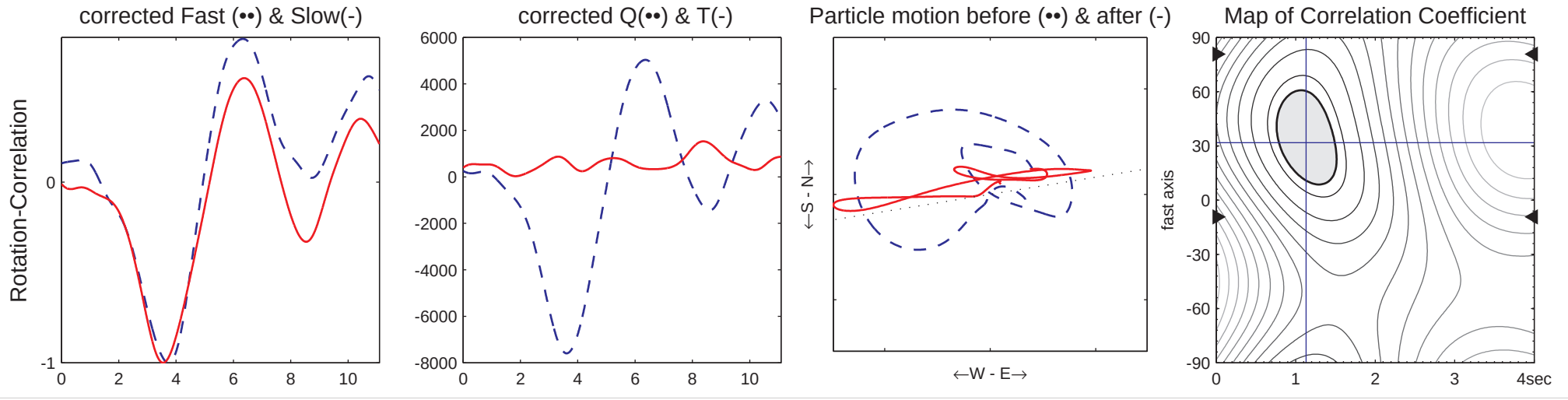


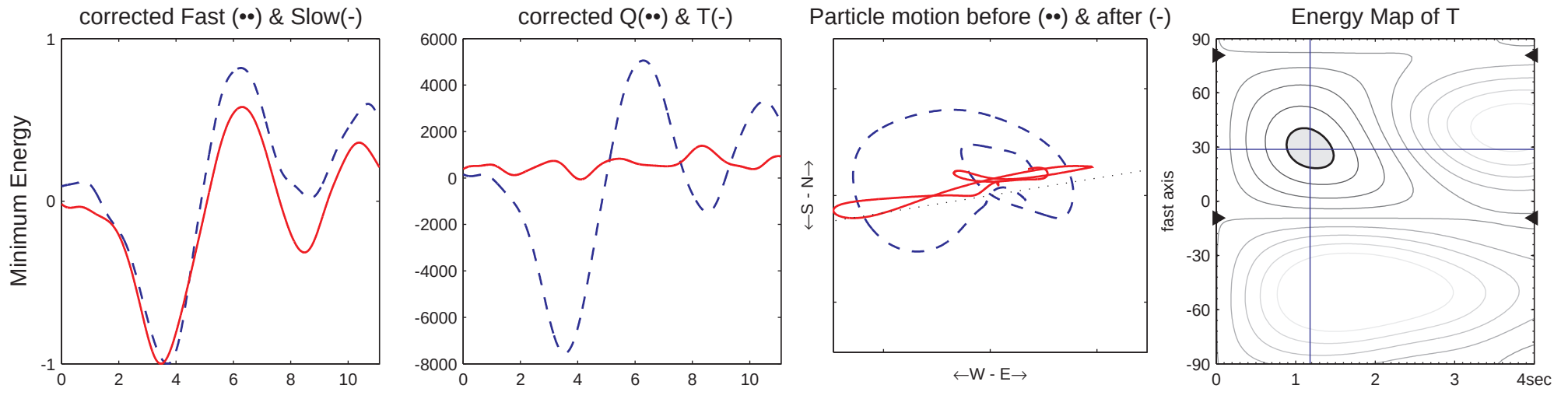
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **CHBY** Backazimuth: **80.7”** Distance: **113.34”**
init.Pol.: **255.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.6**

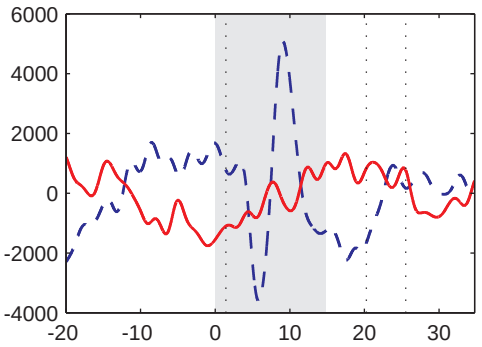
Rotation Correlation:	9<	32° <	61	0.8<1.1s<1.5
Minimum Energy:	19<	29° <	39	0.9<1.2s<1.5
Eigenvalue:	15<	23° <	31	1.1<1.2s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





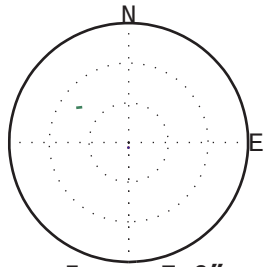




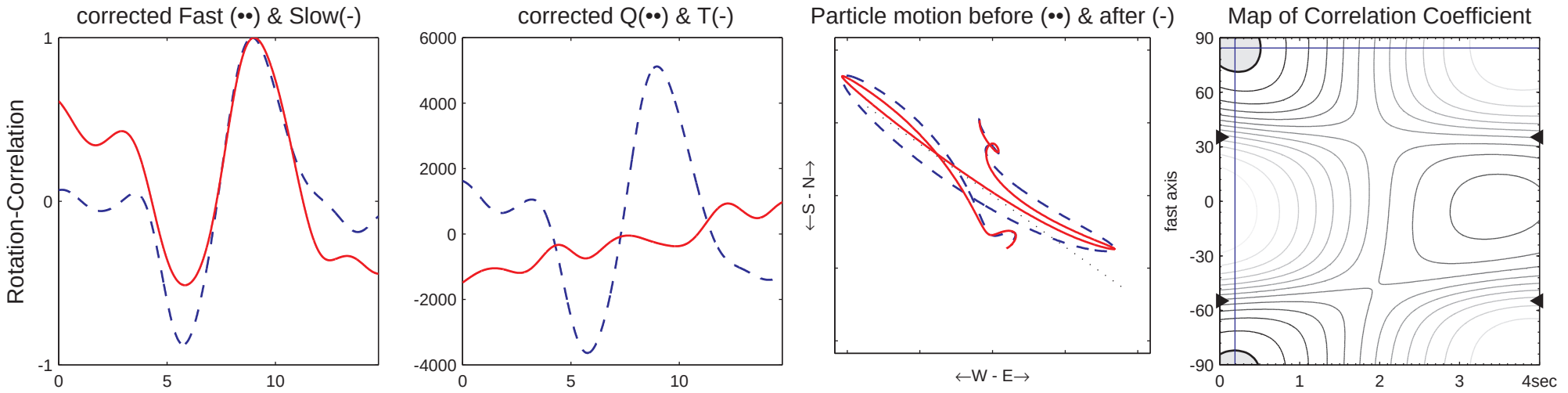
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **CHBY** Backazimuth: **305.3”** Distance: **106.43”**
init.Pol.: **127.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

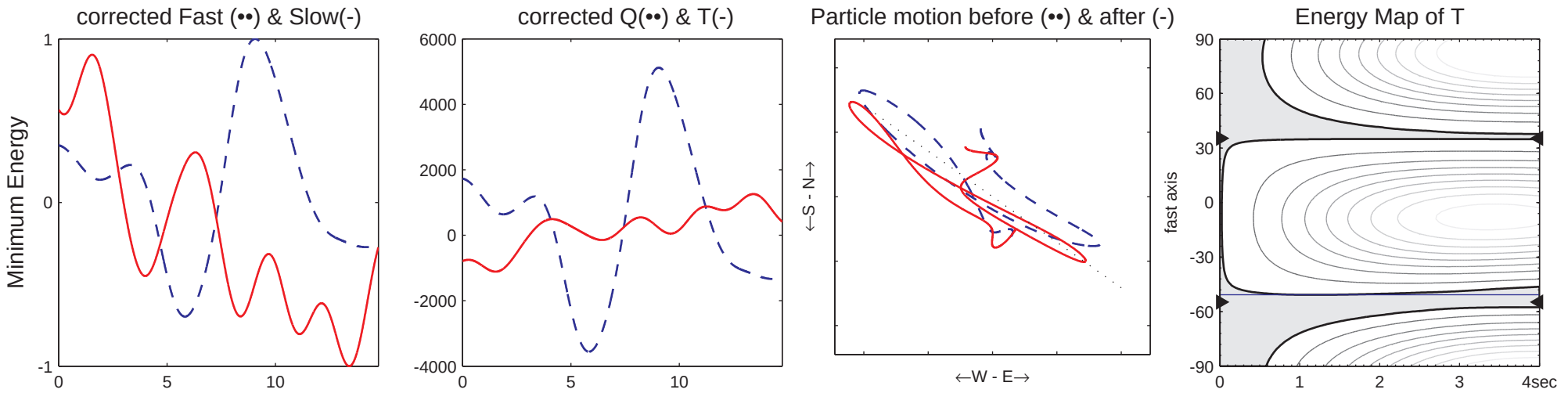
Rotation Correlation:	71<	84° < -83	0.0<0.2s<0.5
Minimum Energy:	-Inf<	-51° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-51° < Inf	0.0<4.0s<Inf

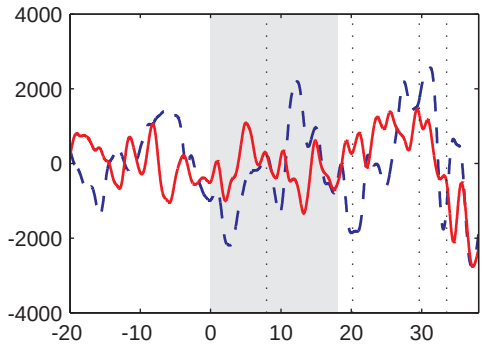
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.6”**



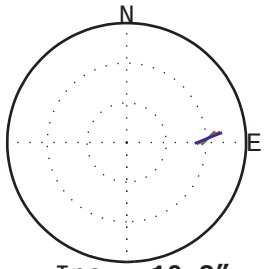




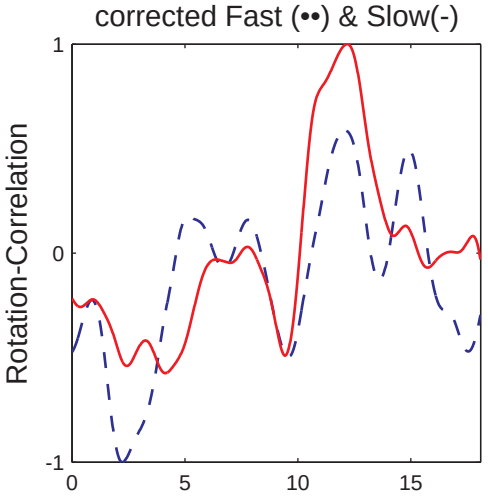
Event: **08-Oct-2010 (281) 05:43 2.83N 128.22E 120km Mw=6.2**
Station: **CUALT** Backazimuth: **86.9”** Distance: **89.34”**
init.Pol.: **273.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.6**

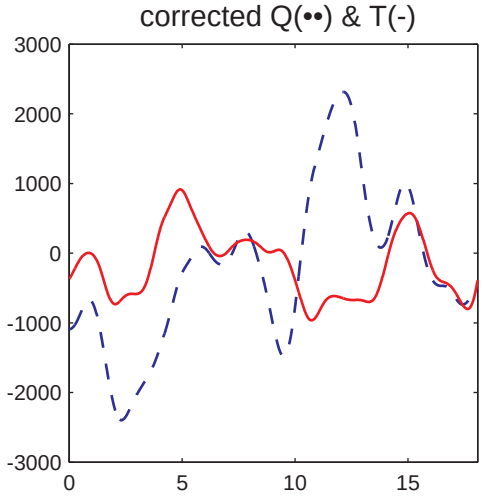
Rotation Correlation:	39<	46° <	55	0.4<0.6s<0.8
Minimum Energy:	25<	63° <	82	0.2<0.8s<1.6
Eigenvalue:	39<	69° <	86	0.4<0.9s<1.6

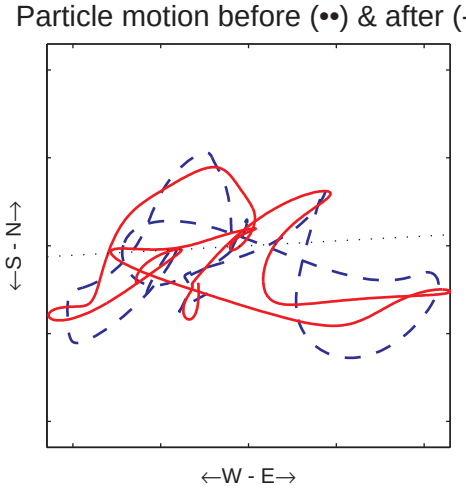
Quality: **fair** IsNull: **No** Phase: **SKS**

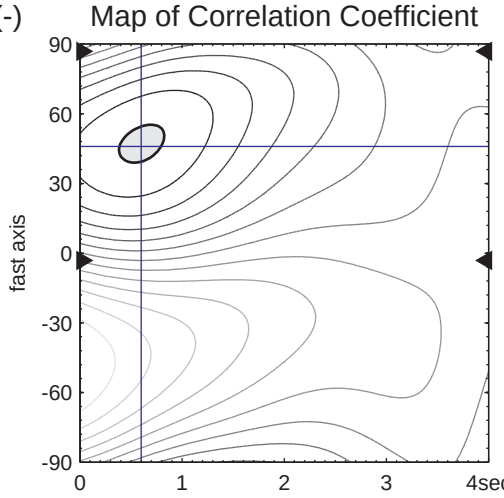


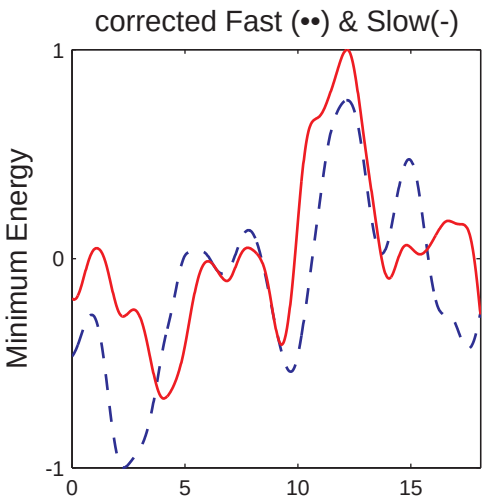
Inc = **10.3”**

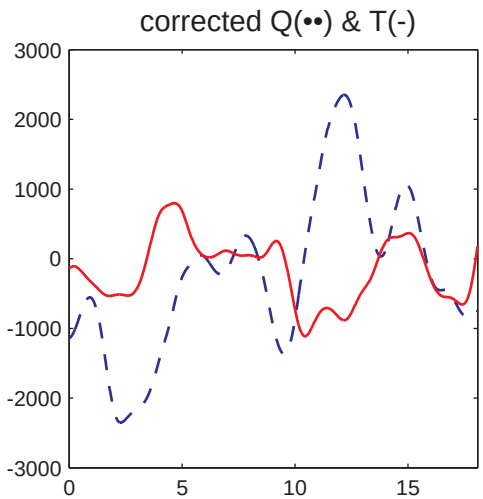


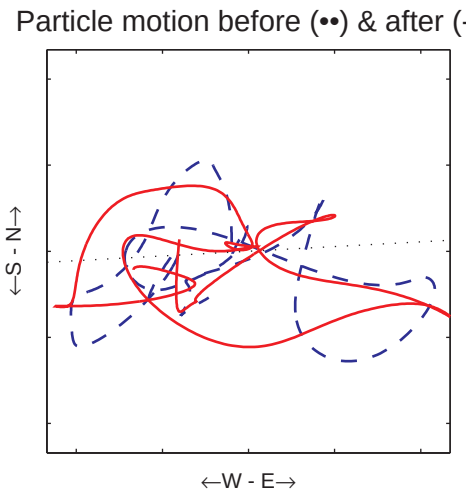


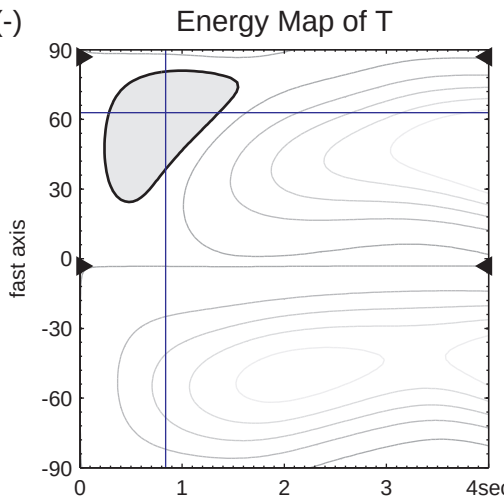


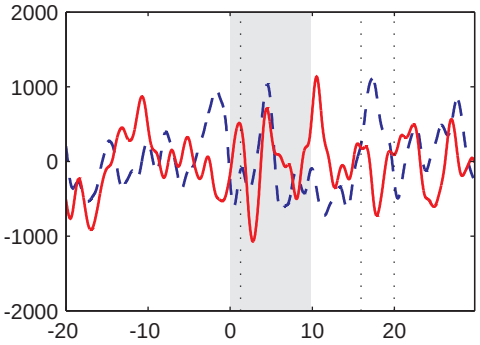








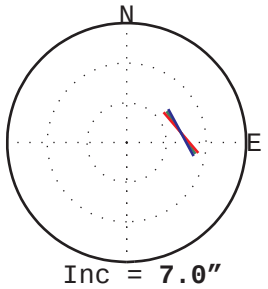


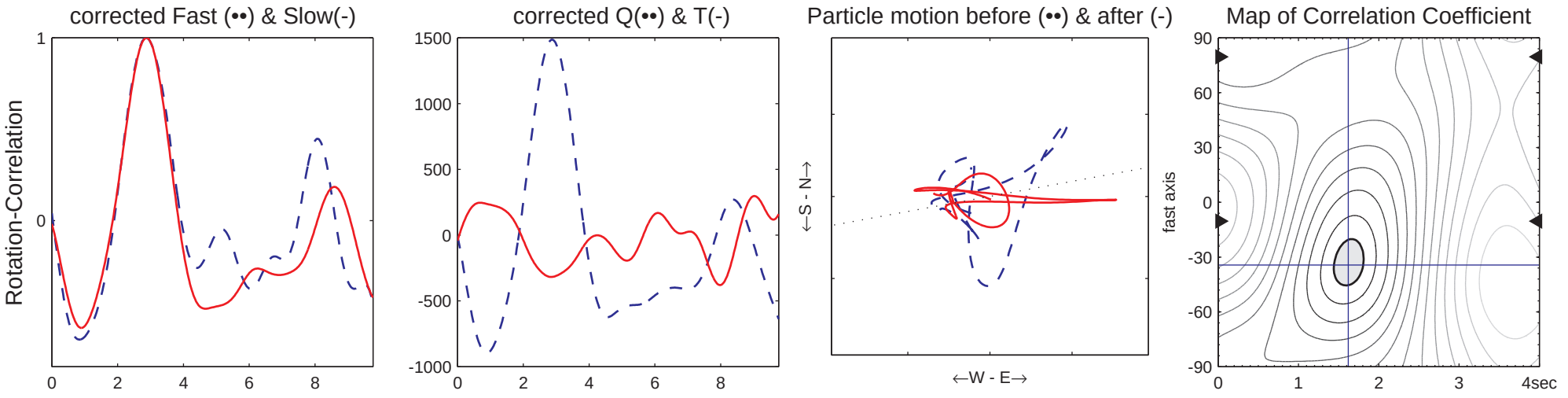


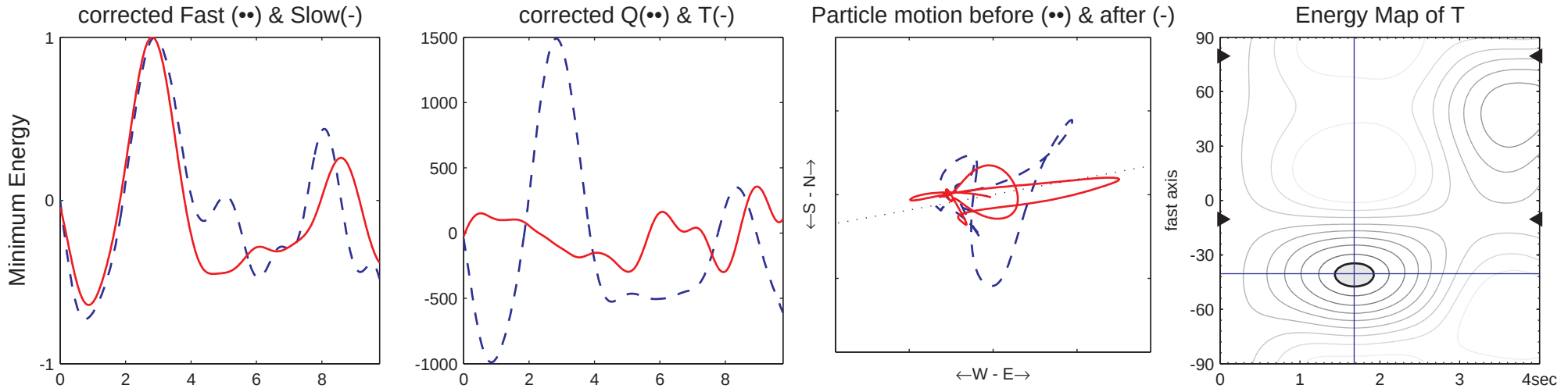
Event: **02-Dec-2010 (336) 03:12 -6.00N 149.98E 33km Mw=6.6**
Station: **CUALT** Backazimuth: **79.6”** Distance: **111.70”**
init.Pol.: **279.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.5**

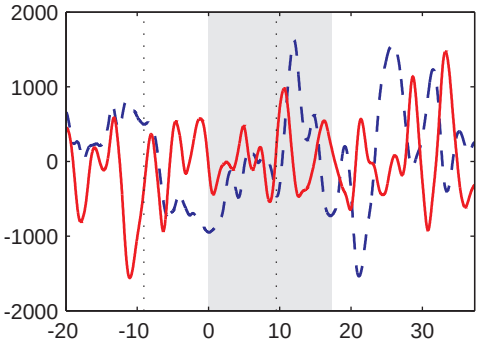
Rotation Correlation:	-47< -34° < -22	1.4<1.6s<1.8
Minimum Energy:	-50< -40° < -37	1.4<1.7s<1.9
Eigenvalue:	-41< -28° < -21	1.5<1.7s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





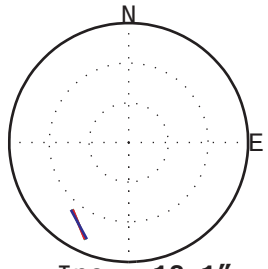


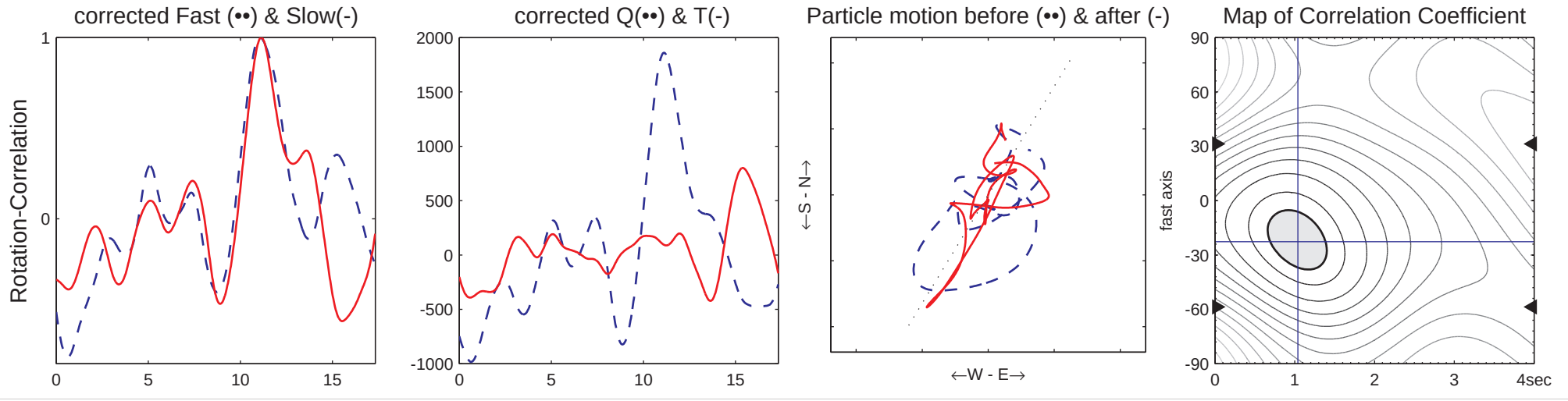


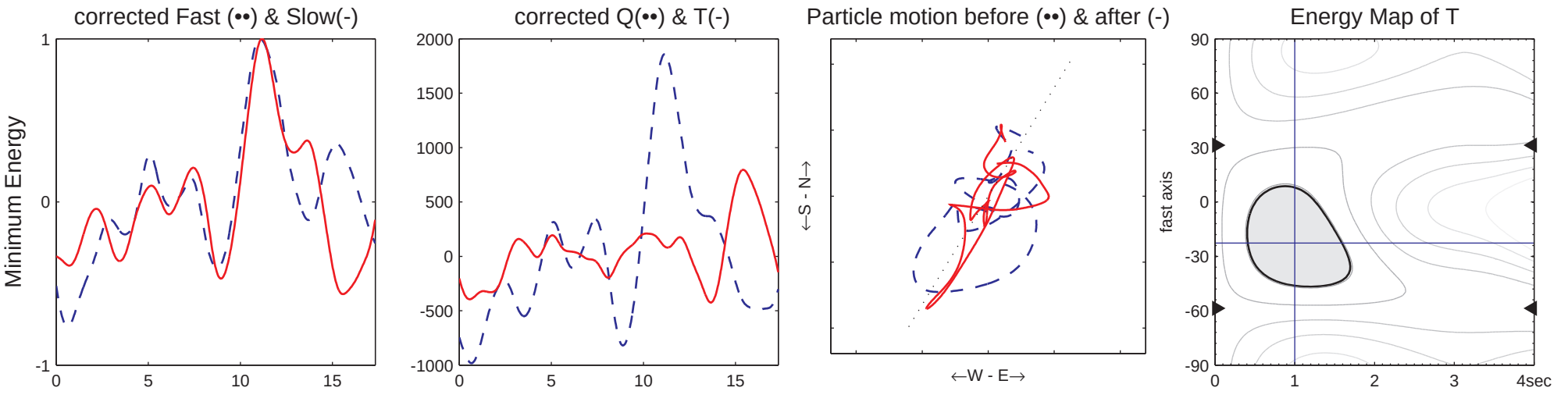
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **CUALT** Backazimuth: **211.3”** Distance: **109.24”**
init.Pol.: **26.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

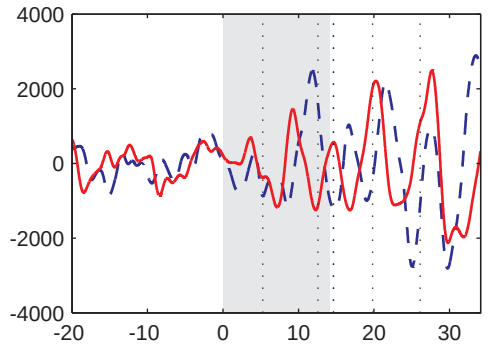
Rotation Correlation:	-39<	-23° <	-7	0.7<1.0s<1.4
Minimum Energy:	-50<	-23° <	7	0.4<1.0s<1.7
Eigenvalue:	-60<	-29° <	13	0.4<1.0s<1.8

Quality: **good** IsNull: **No** Phase: **SKKS**





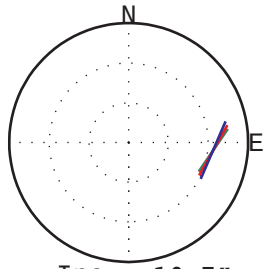


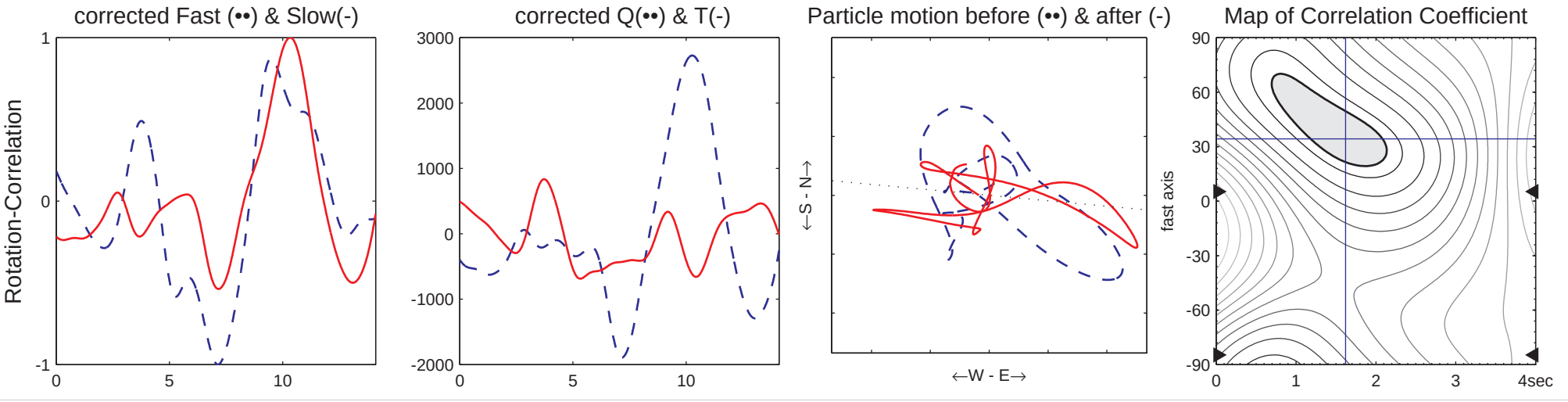


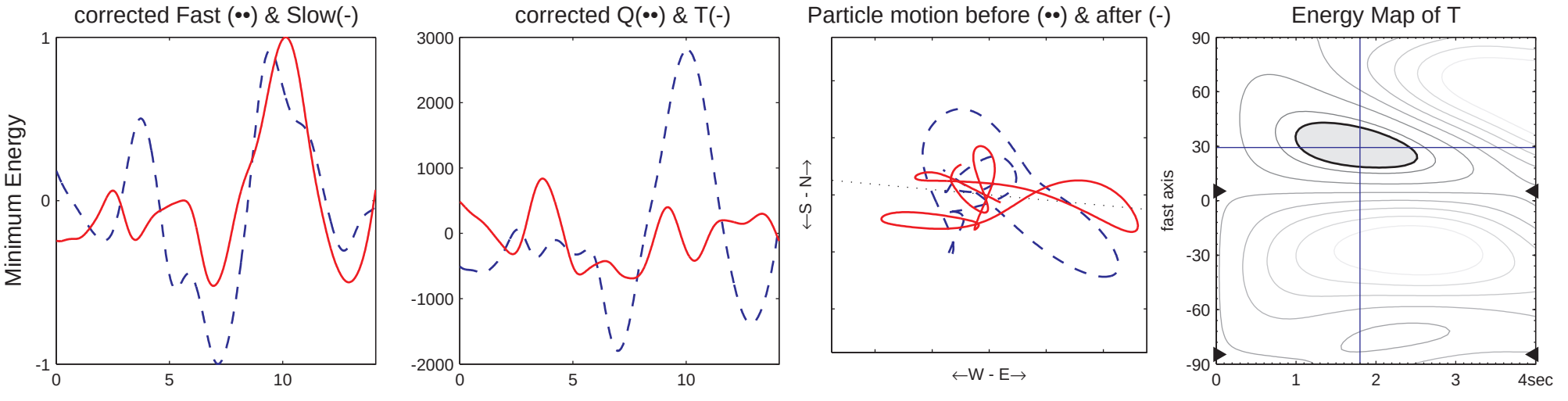
Event: **15-Feb-2011 (046) 13:33 -2.50N 121.48E 16km Mw=6.1**
Station: **CUALT** Backazimuth: **95.3”** Distance: **87.51”**
init.Pol.: **267.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

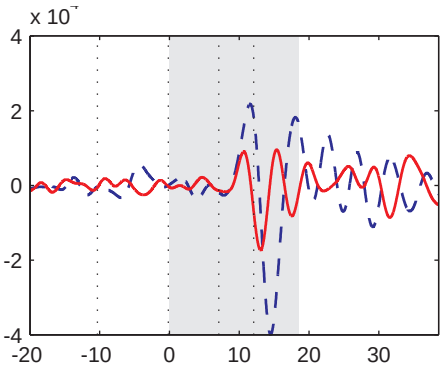
Rotation Correlation:	20<	34° <	70	0.7<1.6s<2.1
Minimum Energy:	19<	29° <	43	1.0<1.8s<2.5
Eigenvalue:	1<	23° <	56	0.8<2.0s<2.6

Quality: **fair** IsNull: **No** Phase: **SKS**





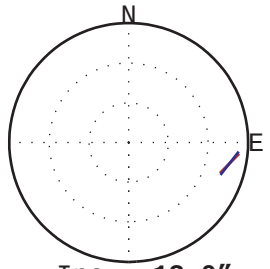




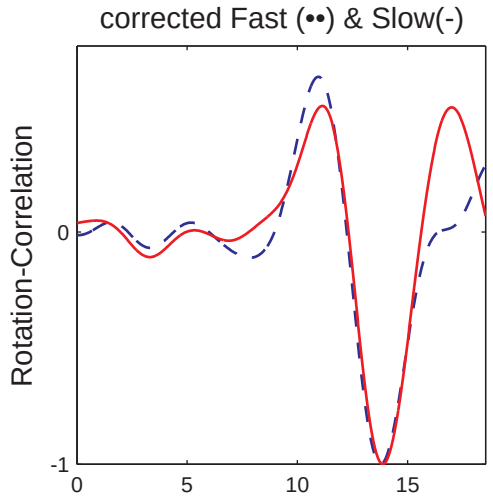
Event: **10-Mar-2011 (069) 17:08 -6.87N 116.72E 510km Mw=6.5**
Station: **CUALT** Backazimuth: **101.7”** Distance: **86.66”**
init.Pol.: **278.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

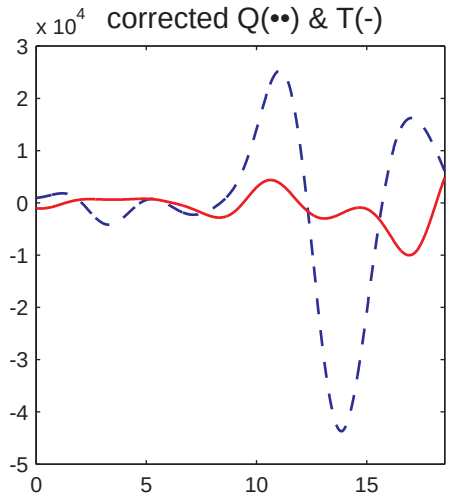
Rotation Correlation:	32<	45° <	62	0.6<0.8s<1.1
Minimum Energy:	29<	44° <	62	0.6<0.8s<1.2
Eigenvalue:	21<	38° <	62	0.6<0.9s<1.4

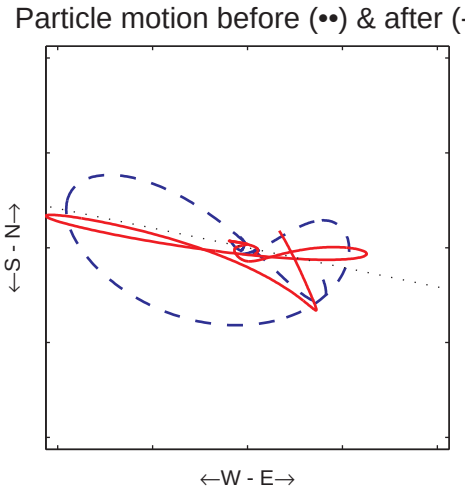
Quality: **good** IsNull: **No** Phase: **SKKS**

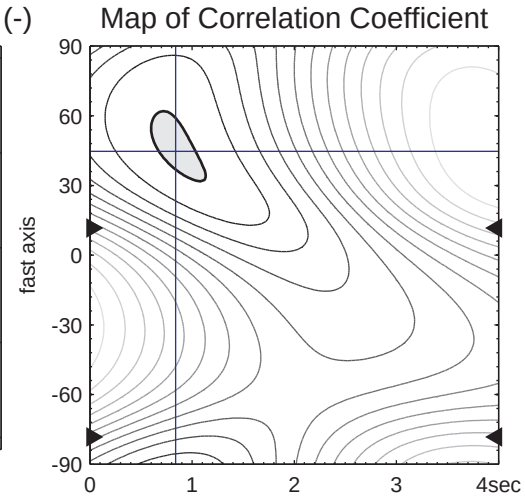


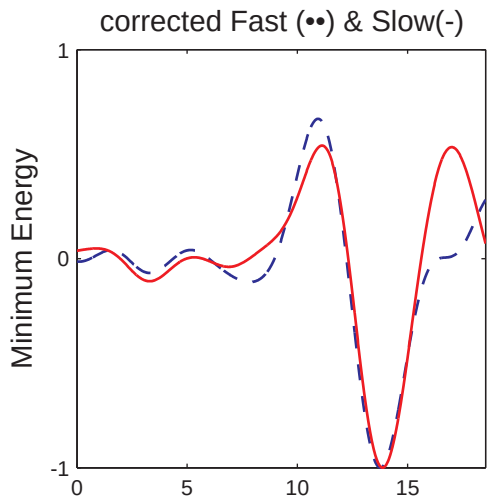
Inc = **13.0”**

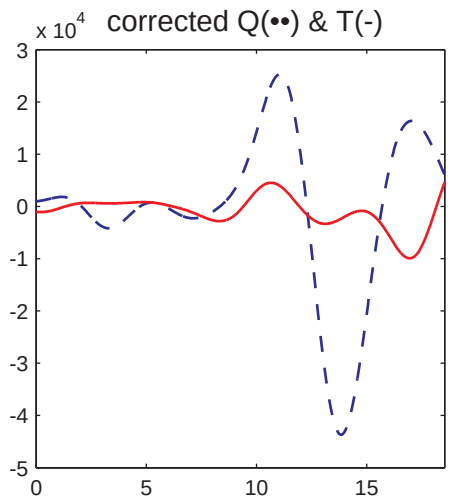


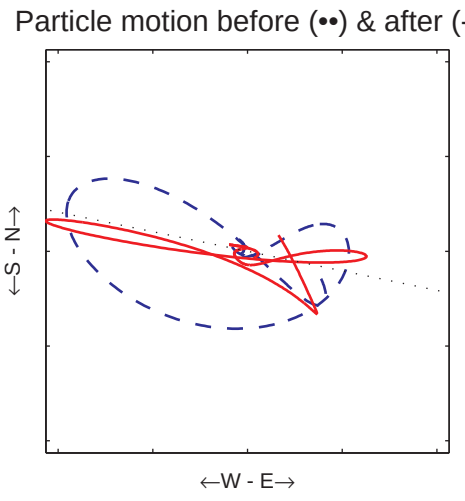


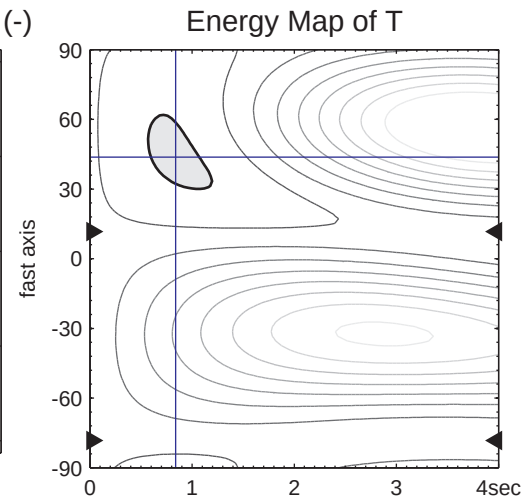


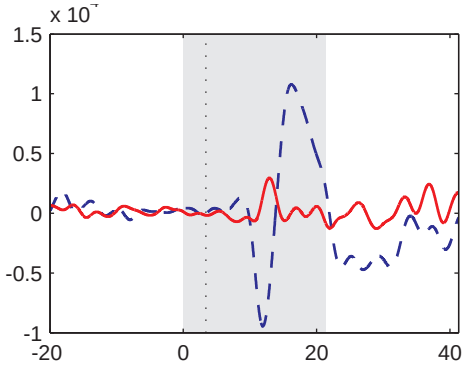








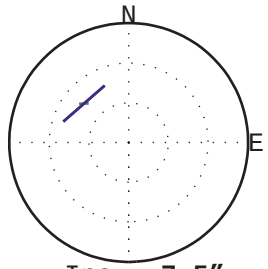


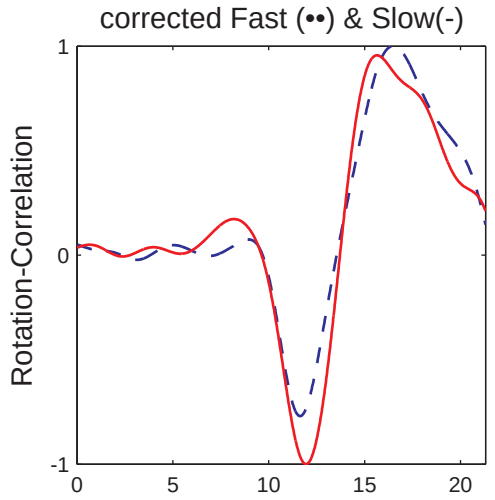


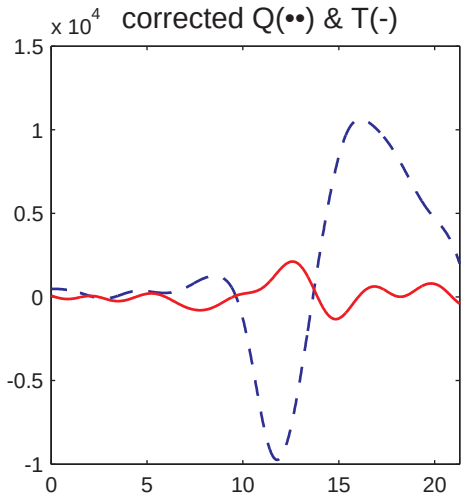
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **CUALT** Backazimuth: **311.0”** Distance: **107.39”**
init.Pol.: **131.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.9**

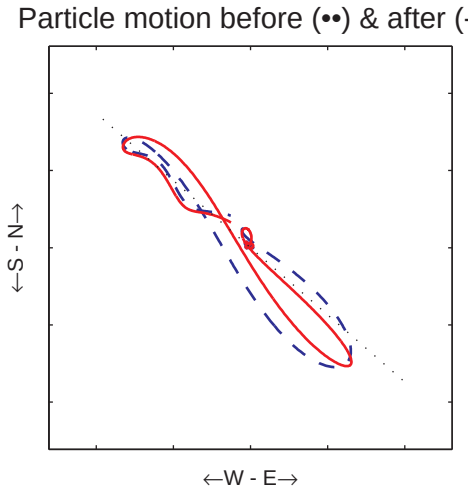
Rotation Correlation:	79<	87° < -84		0.1<0.3s<0.4
Minimum Energy:	46<	49° < 56		1.0<1.7s<2.8
Eigenvalue:	43<	49° < 60		0.7<1.7s<3.2

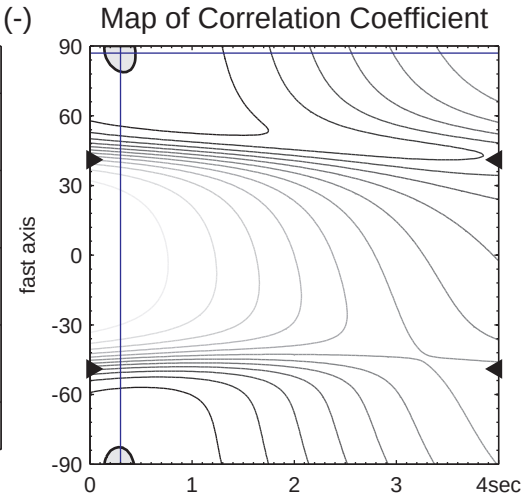
Quality: **good** IsNull: **Yes** Phase: **SKS**

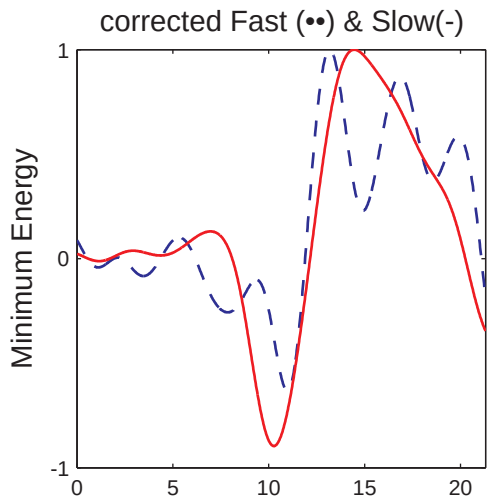


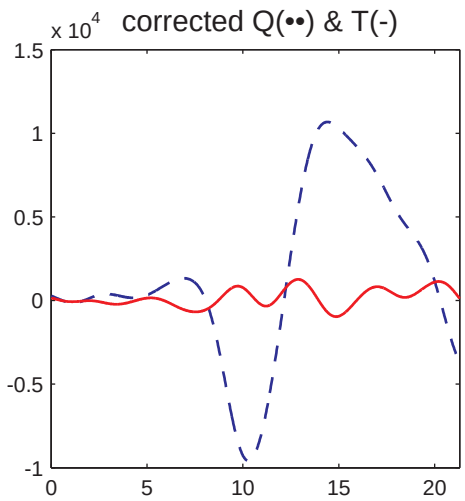


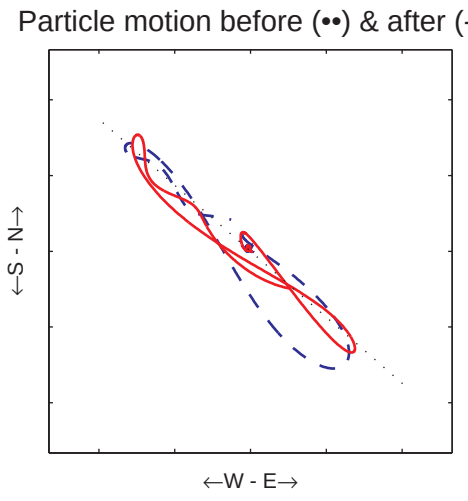


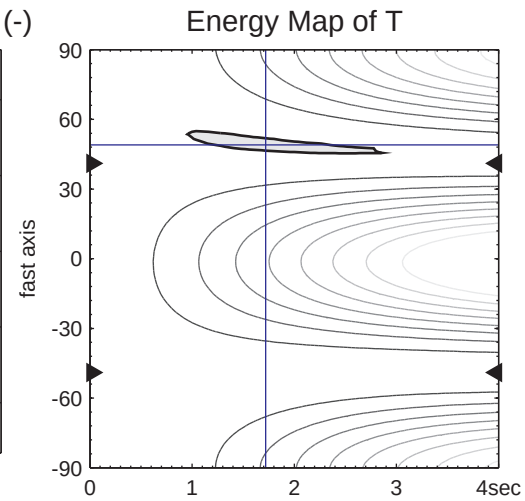


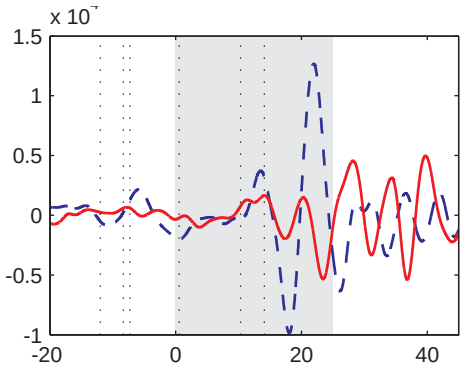








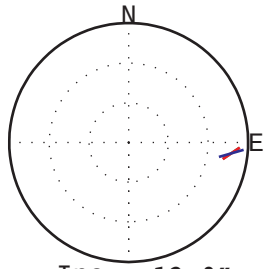


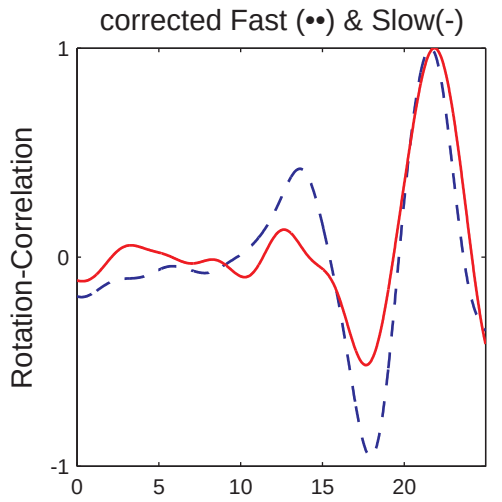


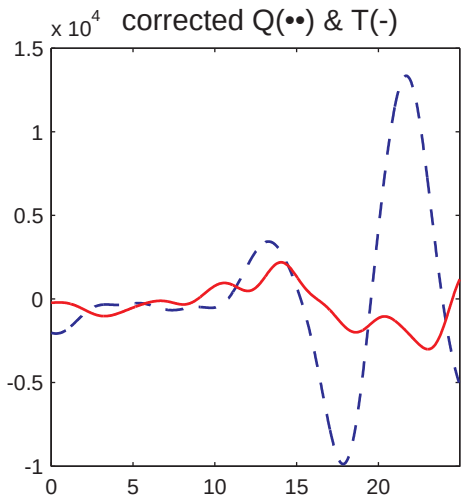
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **CUALT** Backazimuth: **96.1”** Distance: **89.83”**
init.Pol.: **281.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

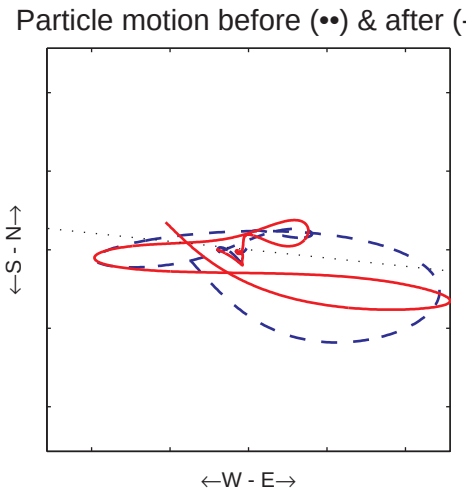
Rotation Correlation:	46<	56° <	69	0.4<0.6s<0.9
Minimum Energy:	19<	56° <	86	0.3<0.6s<1.3
Eigenvalue:	19<	74° <	-84	0.3<0.8s<1.9

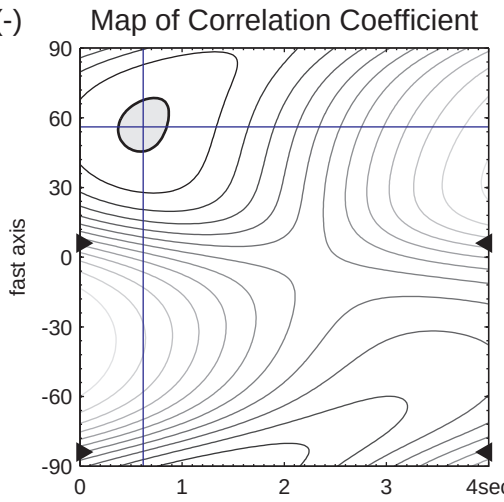
Quality: **fair** IsNull: **No** Phase: **SKKS**

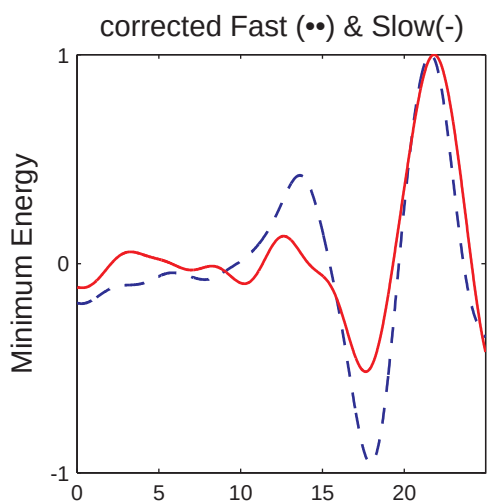


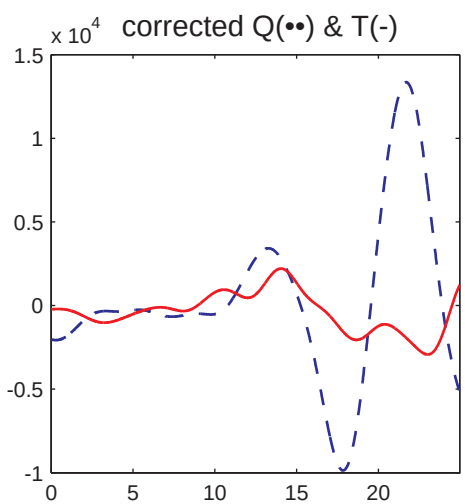


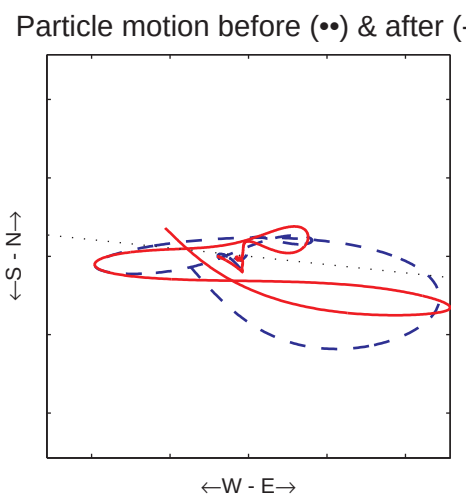


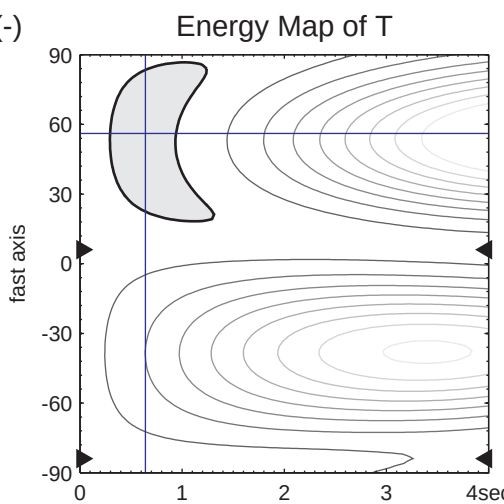


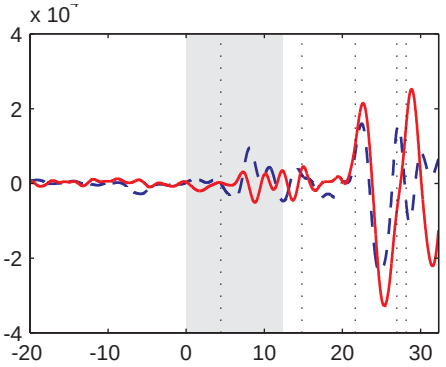








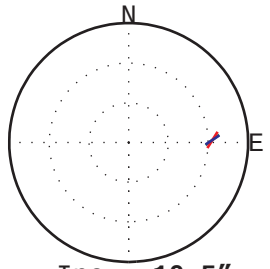


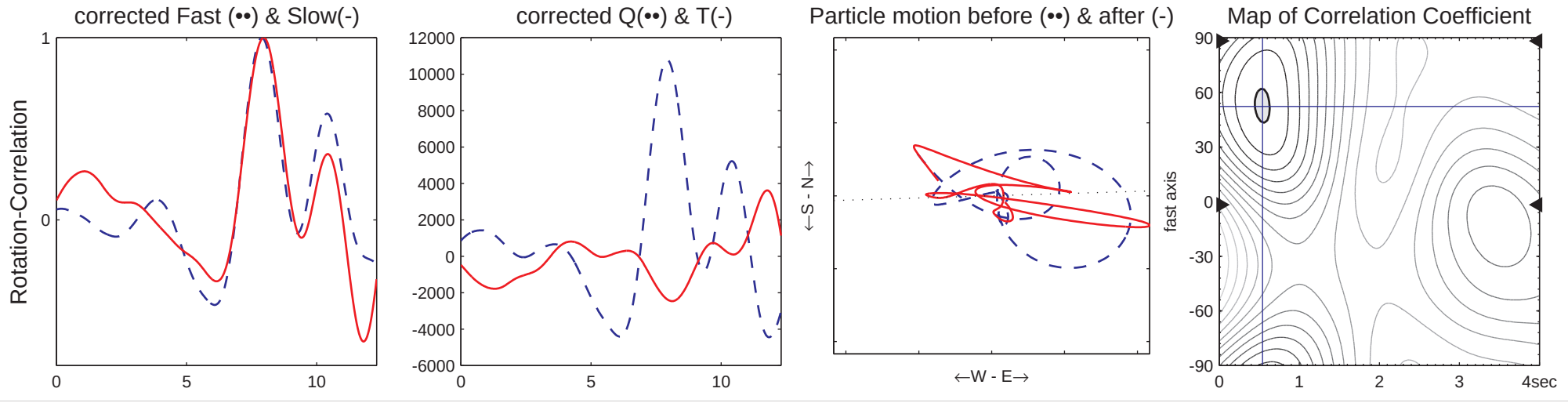


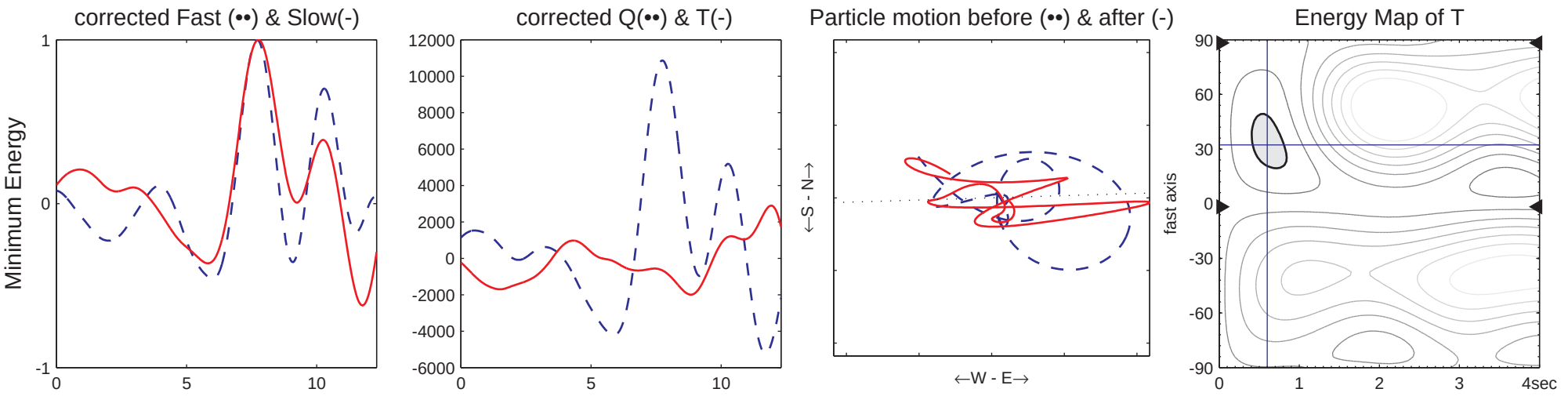
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **CUALT** Backazimuth: **88.2”** Distance: **88.18”**
init.Pol.: **283.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.5**

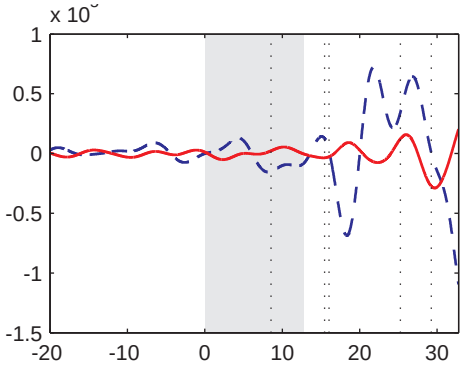
Rotation Correlation:	44<	52° <	62	0.4<0.5s<0.6
Minimum Energy:	19<	32° <	50	0.4<0.6s<0.8
Eigenvalue:	35<	56° <	80	0.4<0.5s<0.7

Quality: **fair** IsNull: **No** Phase: **SKS**





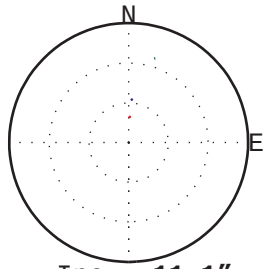




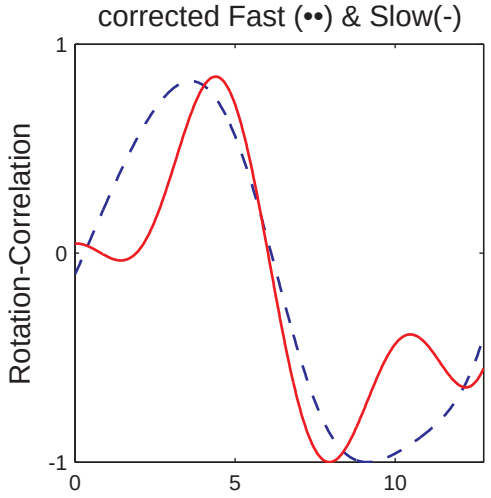
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **CUALT** Backazimuth: **17.2”** Distance: **85.34”**
init.Pol.: **212.7”** Filter: **0.020Hz - 0.20Hz** SNR_{SC}: **3.6**

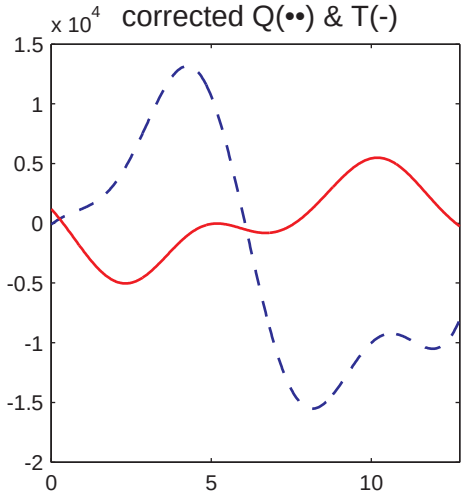
Rotation Correlation:	49<	74° <	-81	0.0<0.0s<1.1
Minimum Energy:	15<	23° <	31	1.8<4.0s<4.0
Eigenvalue:	-Inf<	29° <	Inf	0.0<3.0s<Inf

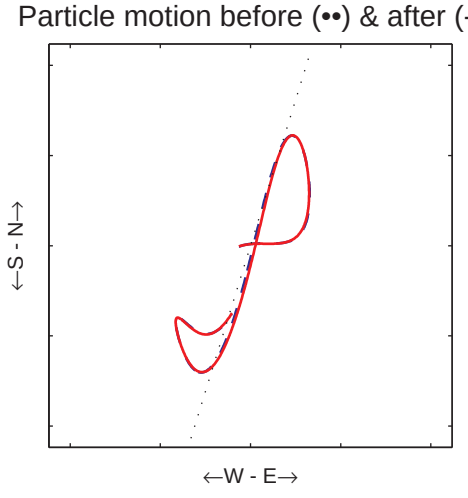
Quality: **good** IsNull: **Yes** Phase: **SKS**

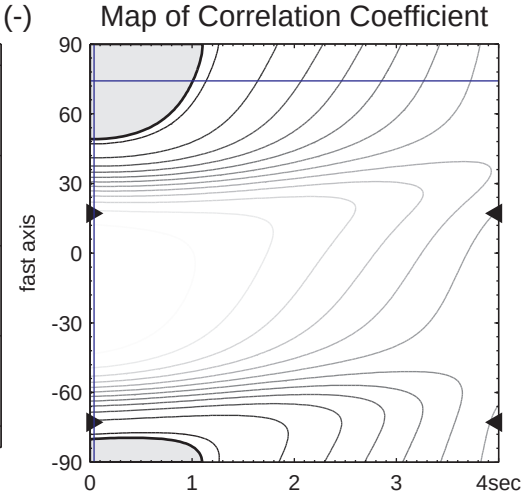


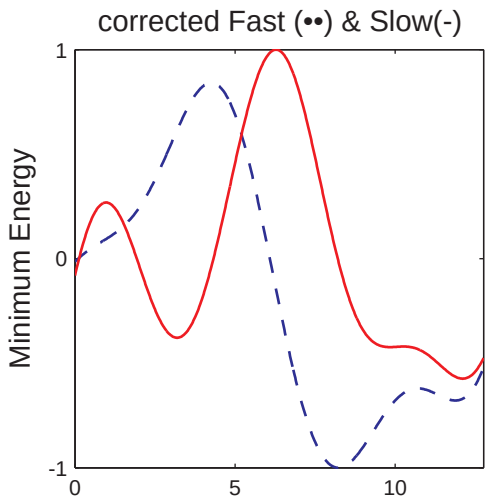
Inc = **11.1”**

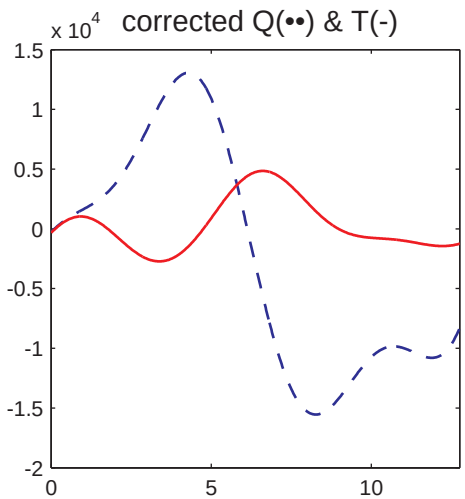


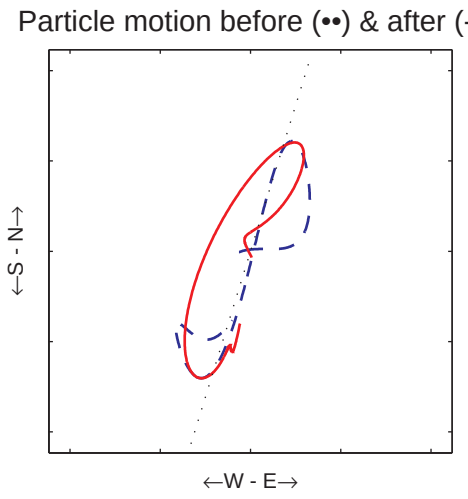


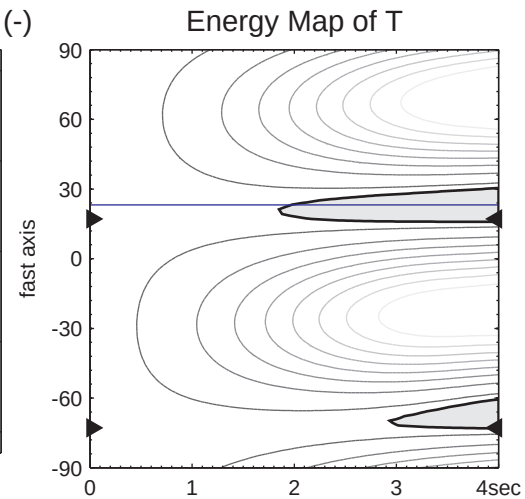


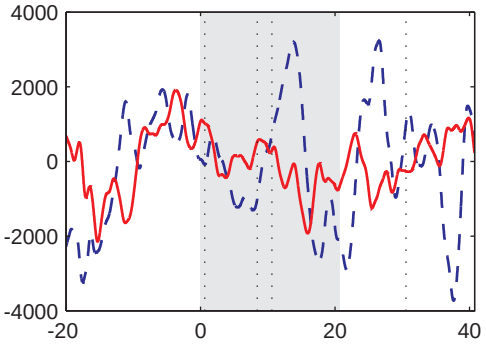








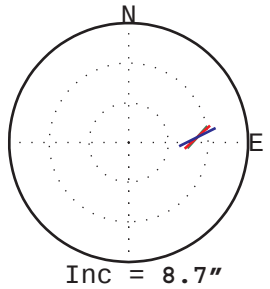


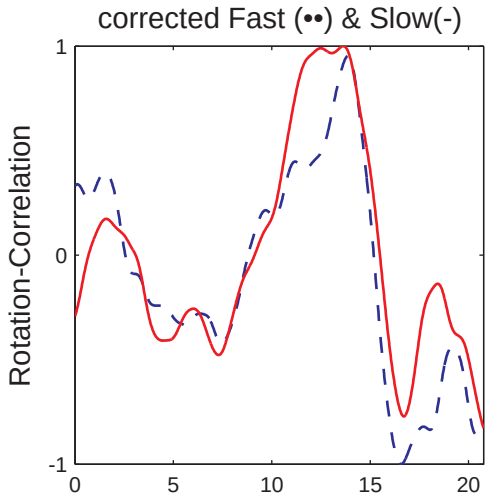


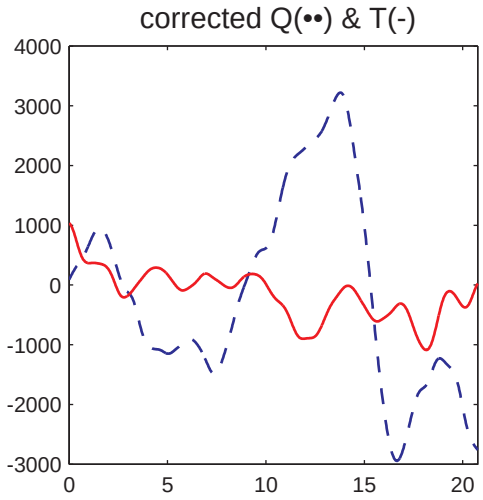
Event: **26-Jun-2011 (177) 12:16 -2.38N 136.63E 17km Mw=6.3**
Station: **CUALT** Backazimuth: **85.6”** Distance: **99.15”**
init.Pol.: **270.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.1**

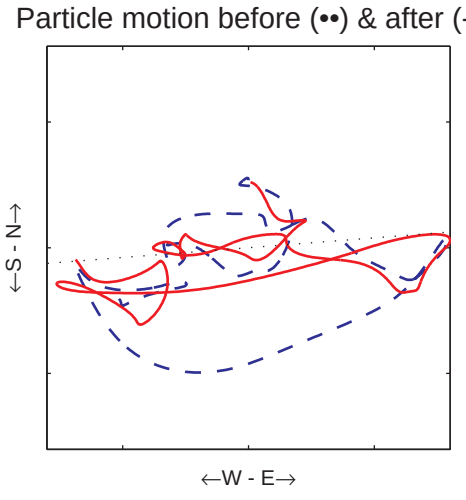
Rotation Correlation:	33<	42° <	54	0.6<0.9s<1.2
Minimum Energy:	23<	48° <	68	0.7<1.1s<1.6
Eigenvalue:	35<	64° <	80	0.8<1.3s<2.0

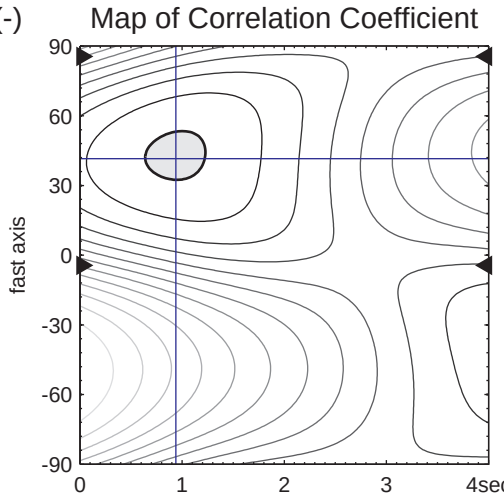
Quality: **fair** IsNull: **No** Phase: **SKS**

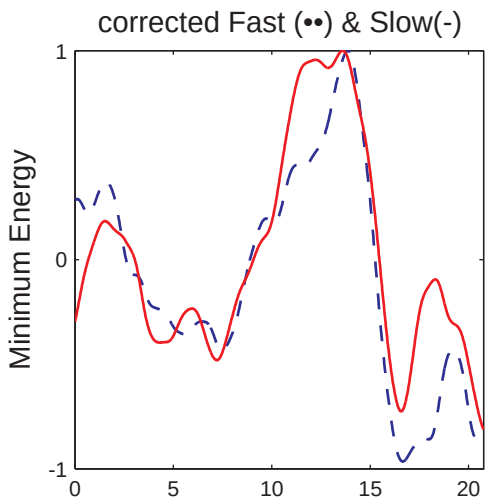


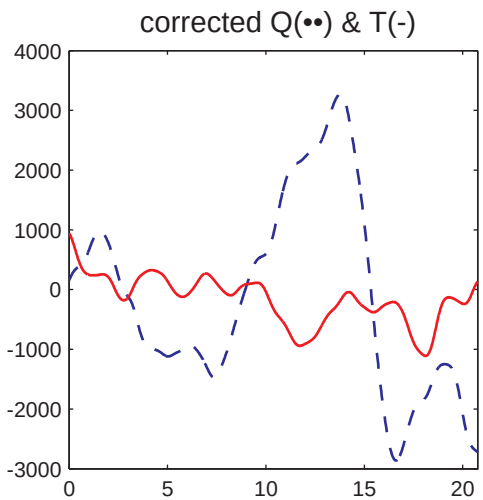


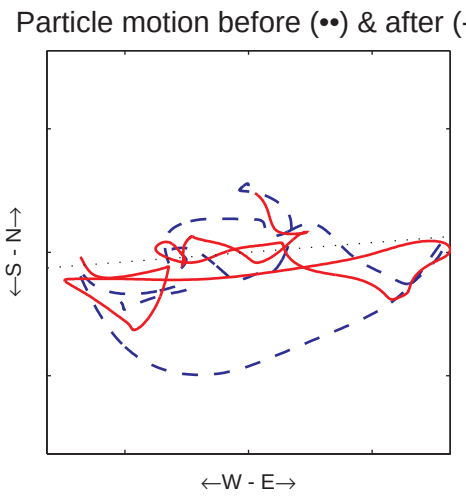


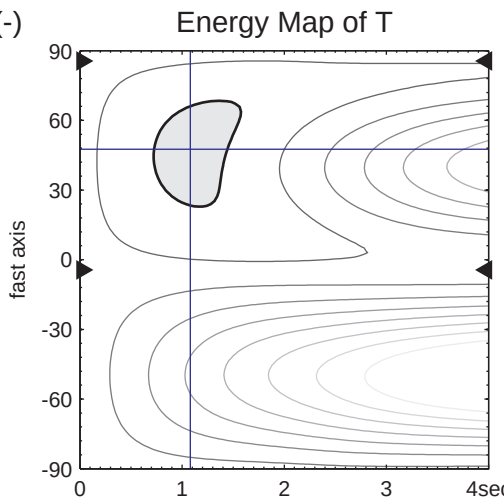


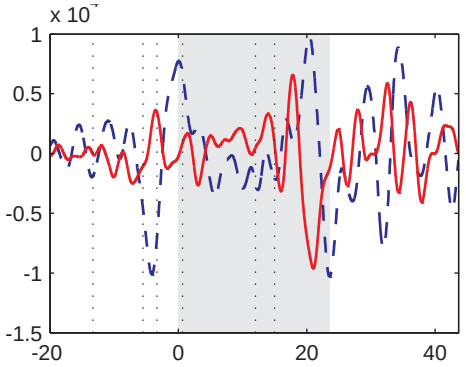








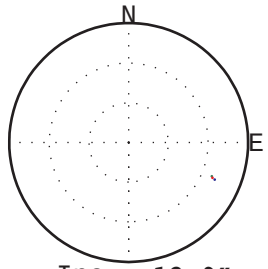


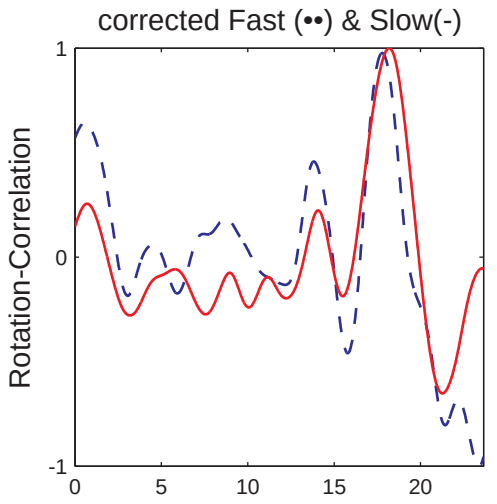


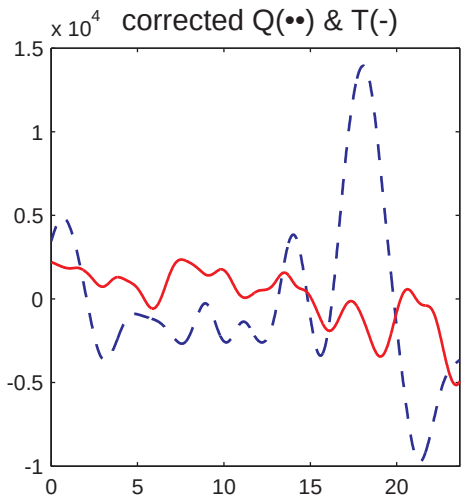
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **CUALT** Backazimuth: **90.6”** Distance: **90.72”**
init.Pol.: **265.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.3**

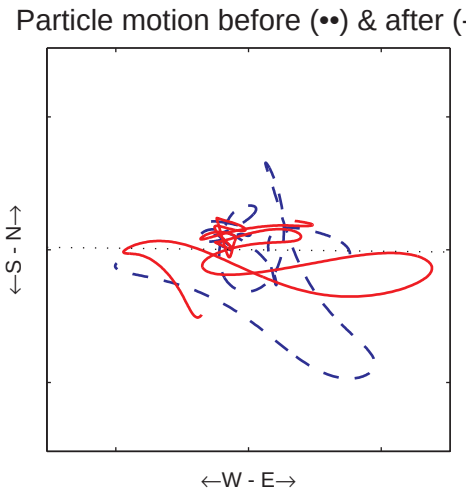
Rotation Correlation:	23<	31° <	40	2.2<2.4s<2.5
Minimum Energy:	23<	29° <	33	2.1<2.4s<2.8
Eigenvalue:	7<	25° <	37	2.1<2.5s<2.8

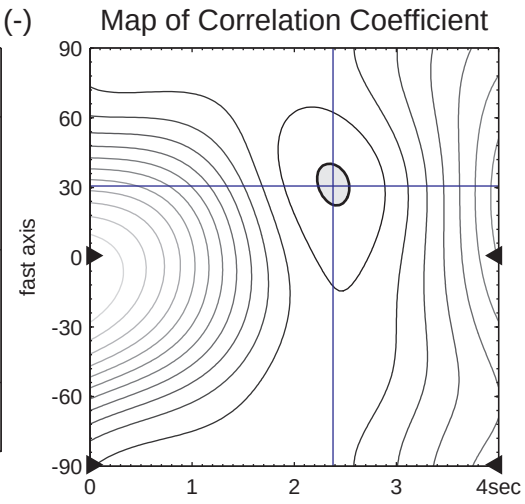
Quality: **fair** IsNull: **No** Phase: **SKKS**

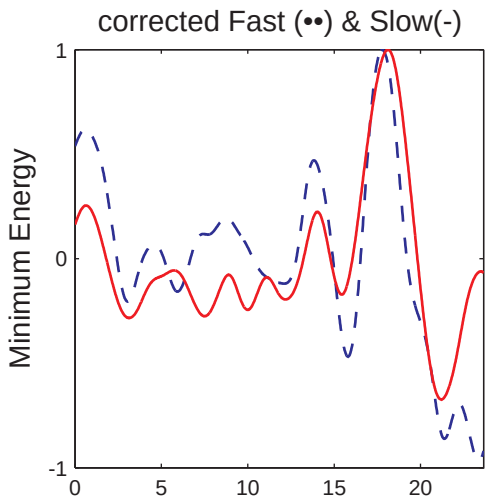


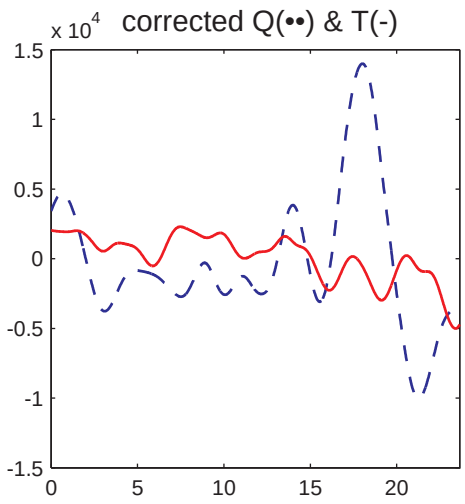


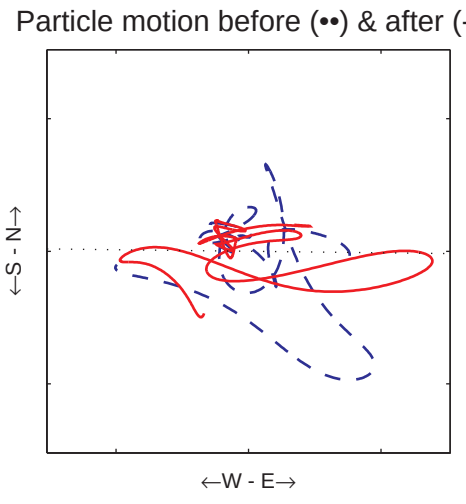


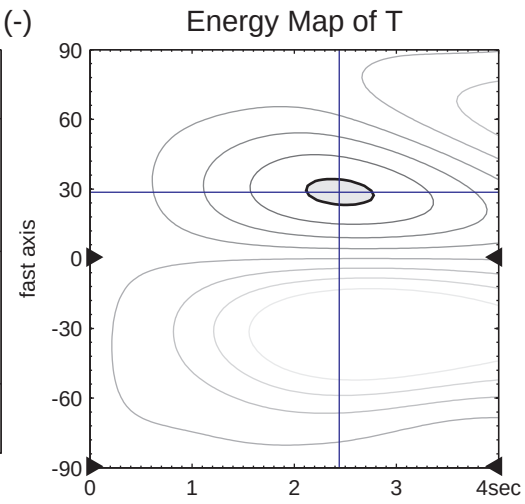


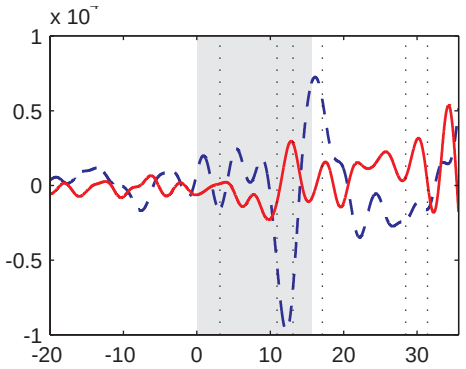








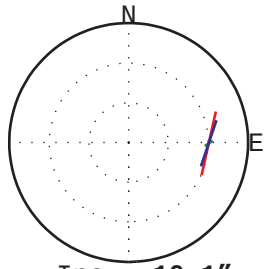


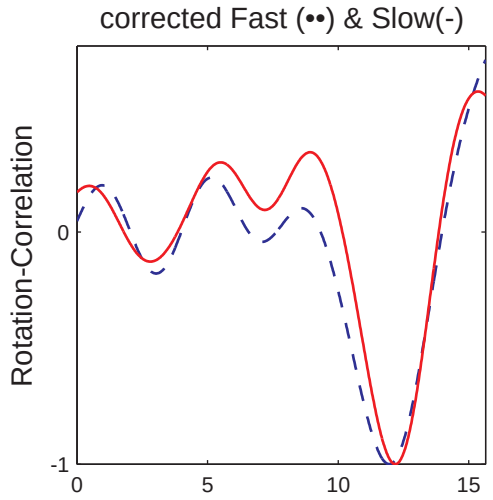


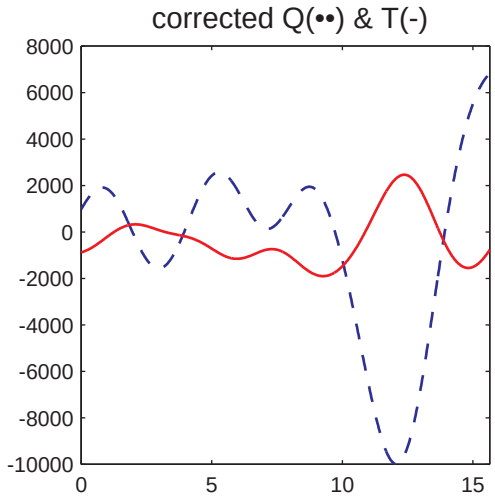
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **CUALT** Backazimuth: **90.6”** Distance: **90.72”**
init.Pol.: **276.9”** Filter: **0.010Hz - 0.30Hz** SNR_{SC}:**11.2**

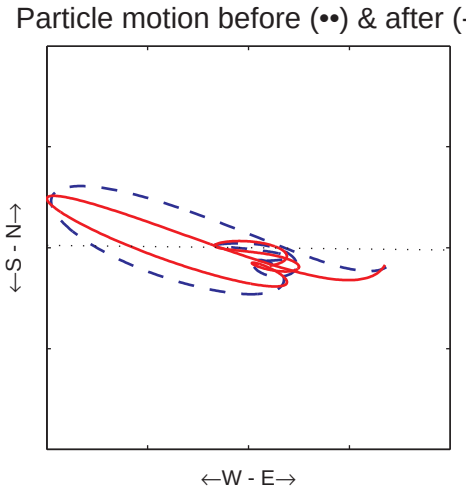
Rotation Correlation:	48<	58° <	69	0.1<0.3s<0.5
Minimum Energy:	9<	13° <	15	1.6<2.0s<2.7
Eigenvalue:	13<	19° <	29	0.8<1.5s<2.3

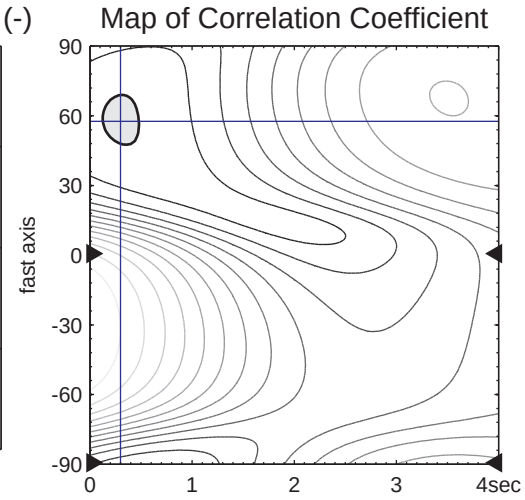
Quality: **good** IsNull: **Yes** Phase: **SKS**

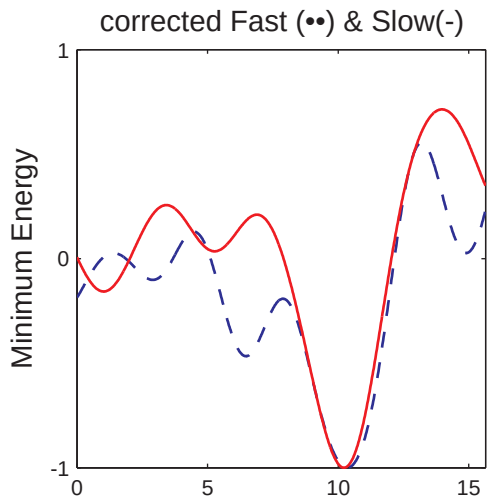


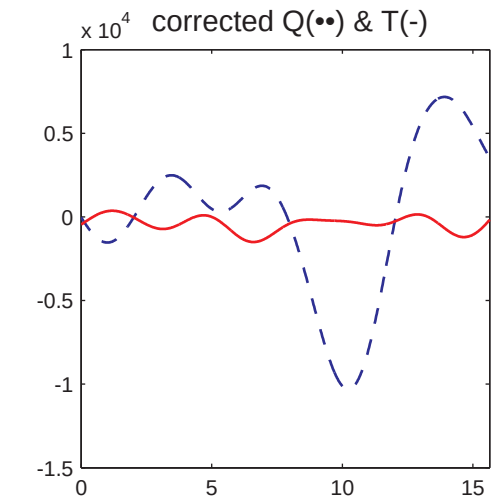


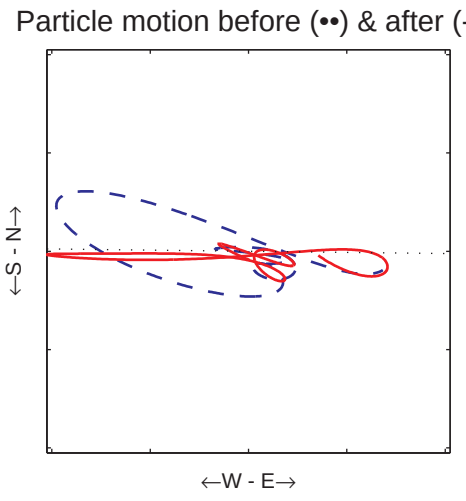


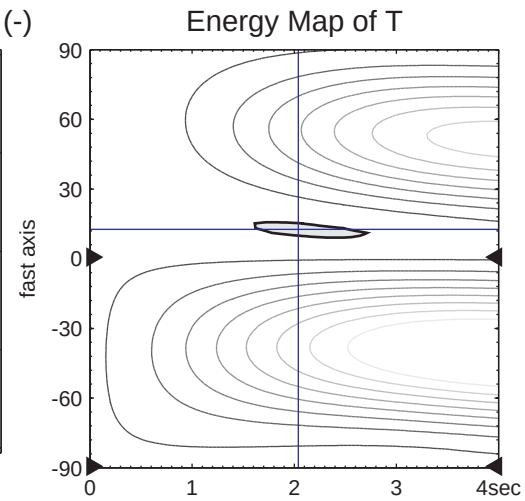


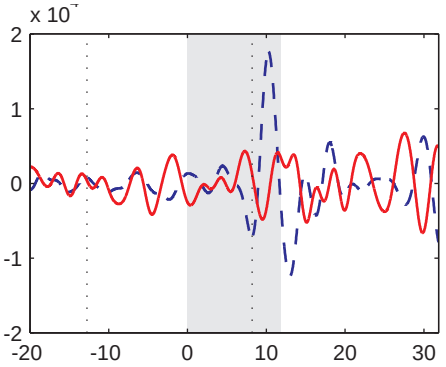








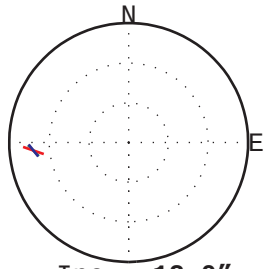


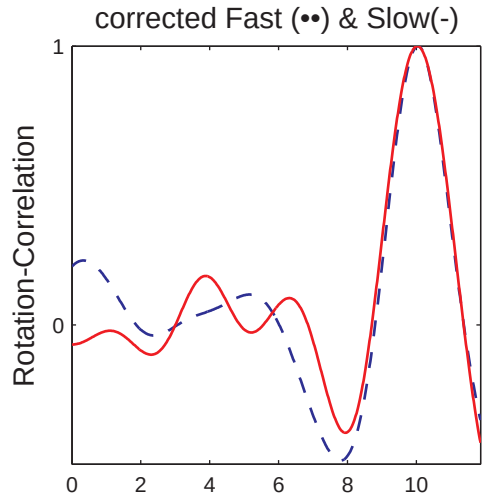


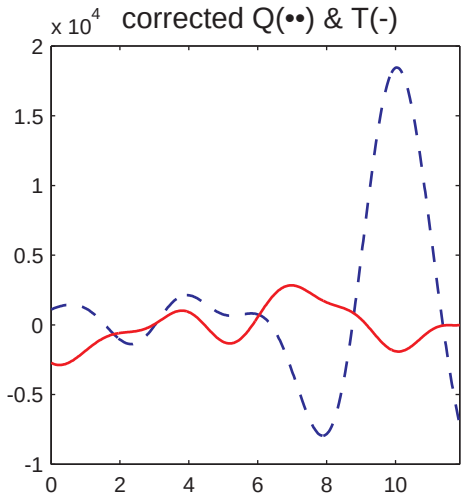
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **CUALT** Backazimuth: **265.2”** Distance: **108.72”**
init.Pol.: **93.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

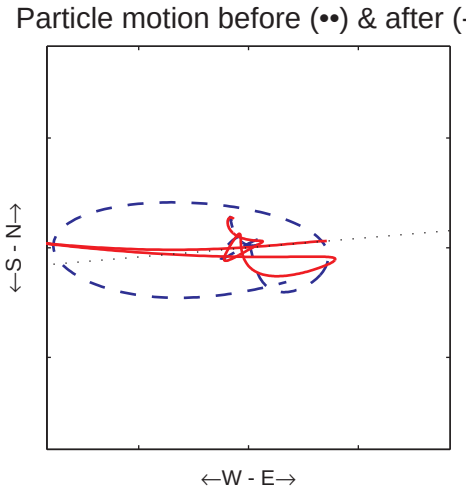
Rotation Correlation:	-60< **-45°** < -31	0.3<0.5s<0.6
Minimum Energy:	-86< **-71°** < -50	0.4<0.7s<1.2
Eigenvalue:	-88< **-39°** < -1	0.3<0.5s<1.2

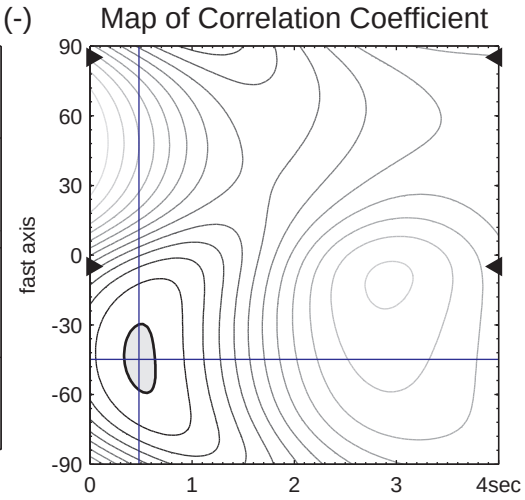
Quality: **fair** IsNull: **No** Phase: **SKKS**

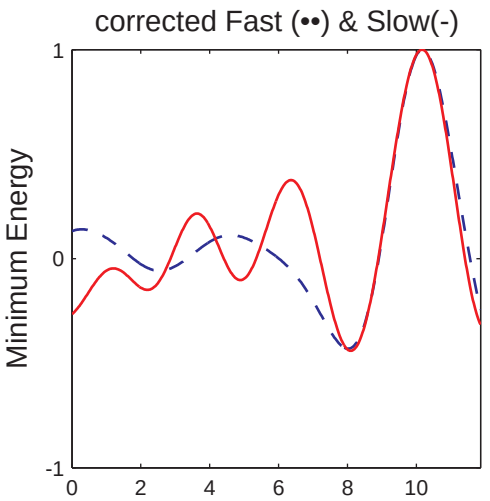


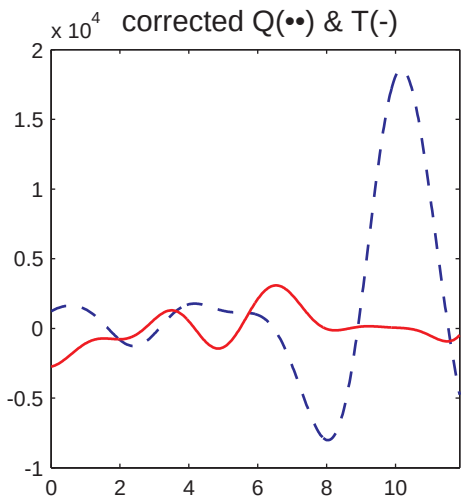


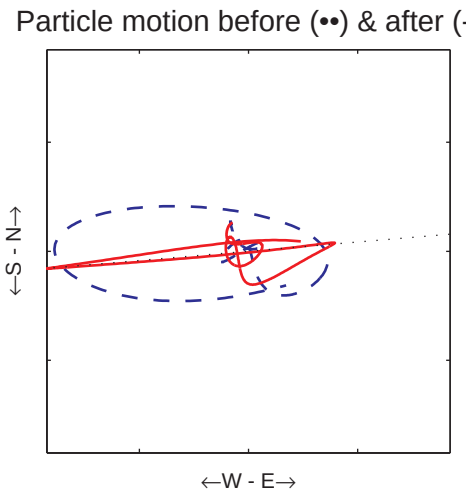


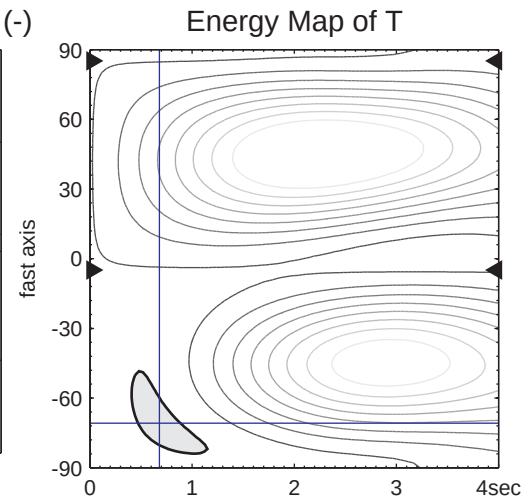


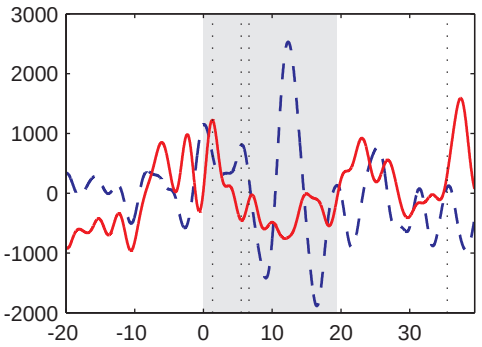








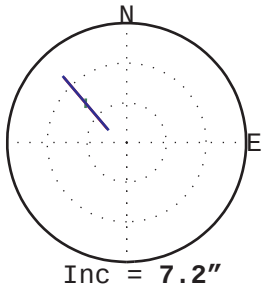


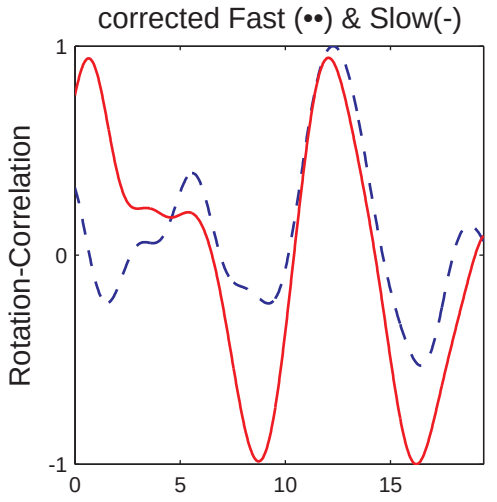


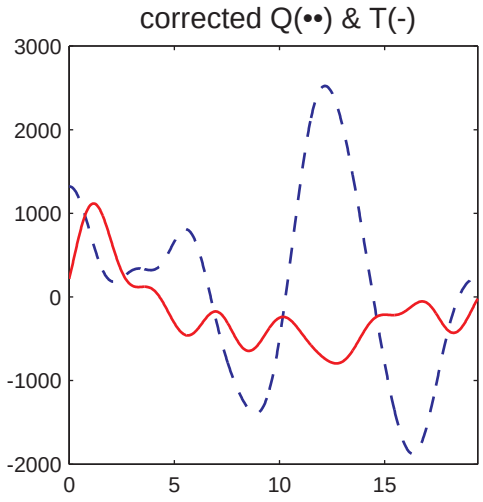
Event: **02-Apr-2012 (093) 17:36 16.40N -98.32E 9km Mw=6.0**
Station: **CUALT** Backazimuth: **313.7”** Distance: **110.31”**
init.Pol.: **134.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

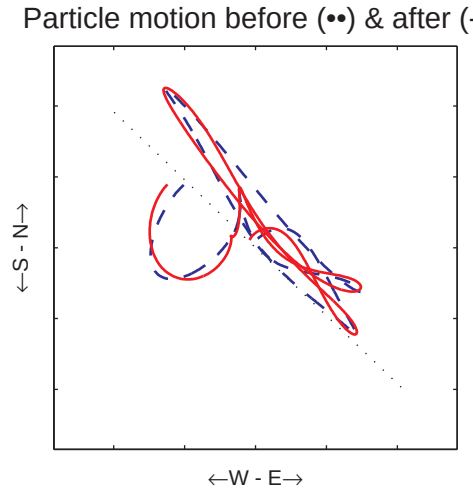
Rotation Correlation:	-18<	2° <	22	0.0<0.3s<0.9
Minimum Energy:	-56<	-40° <	13	0.2<2.1s<4.0
Eigenvalue:	-56<	-40° <	-21	1.2<2.2s<4.0

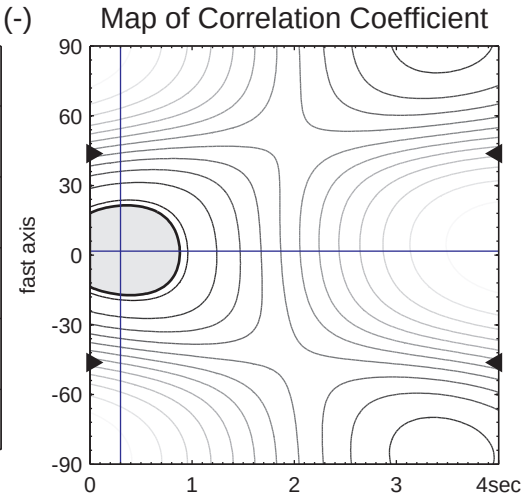
Quality: **good** IsNull: **Yes** Phase: **SKS**

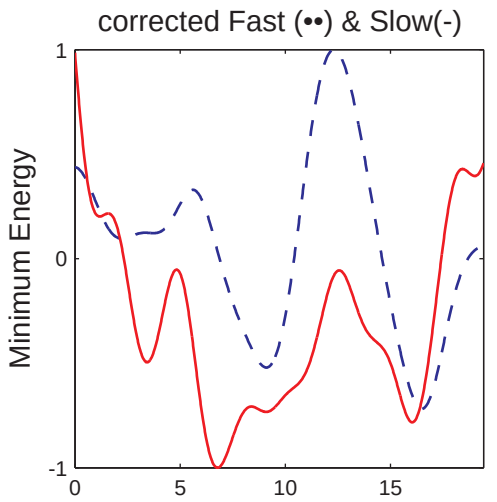


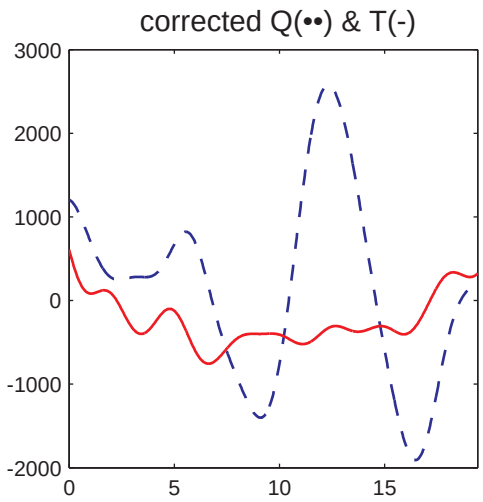


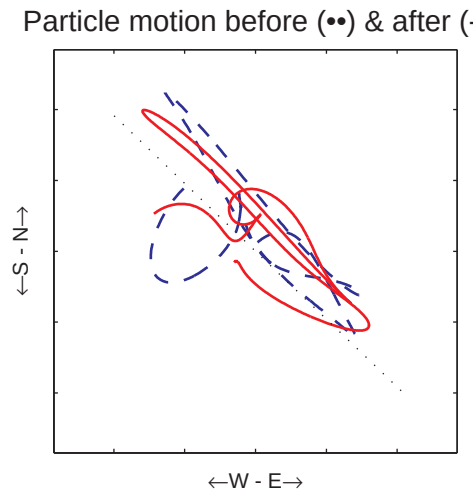


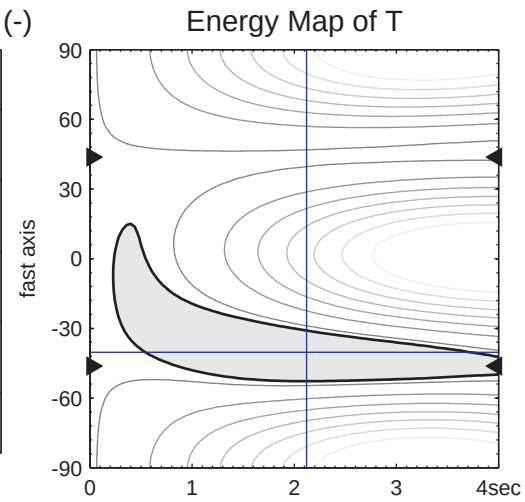


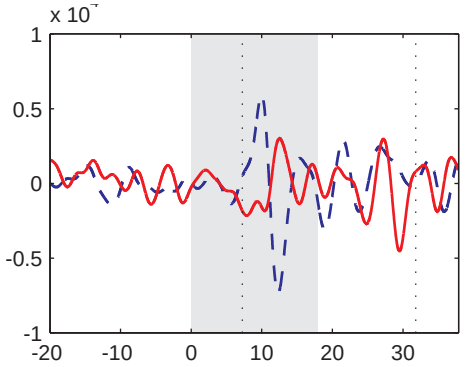








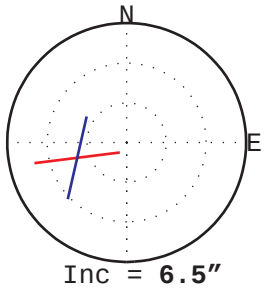


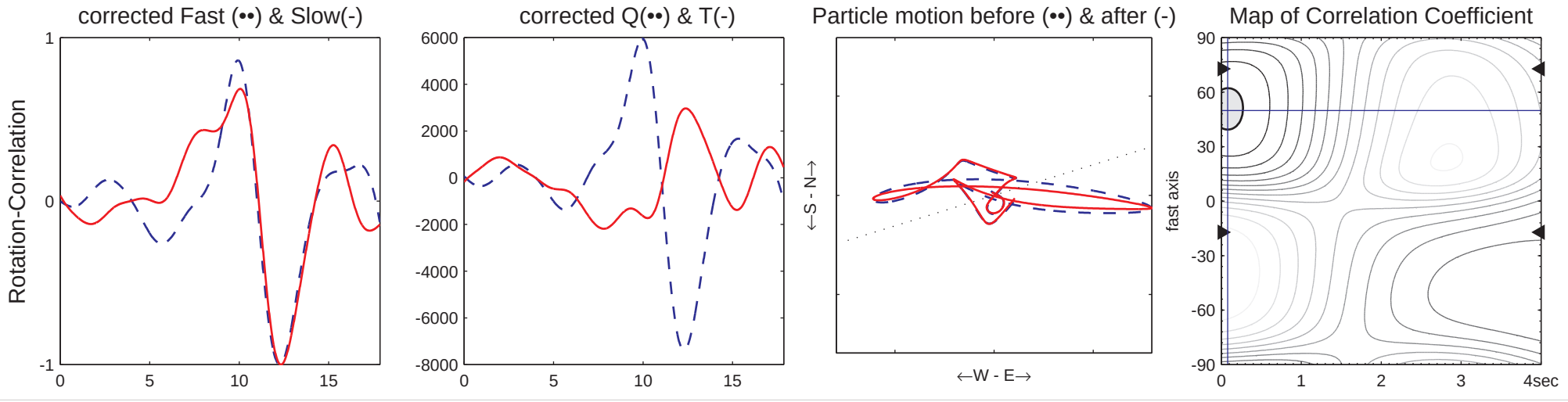


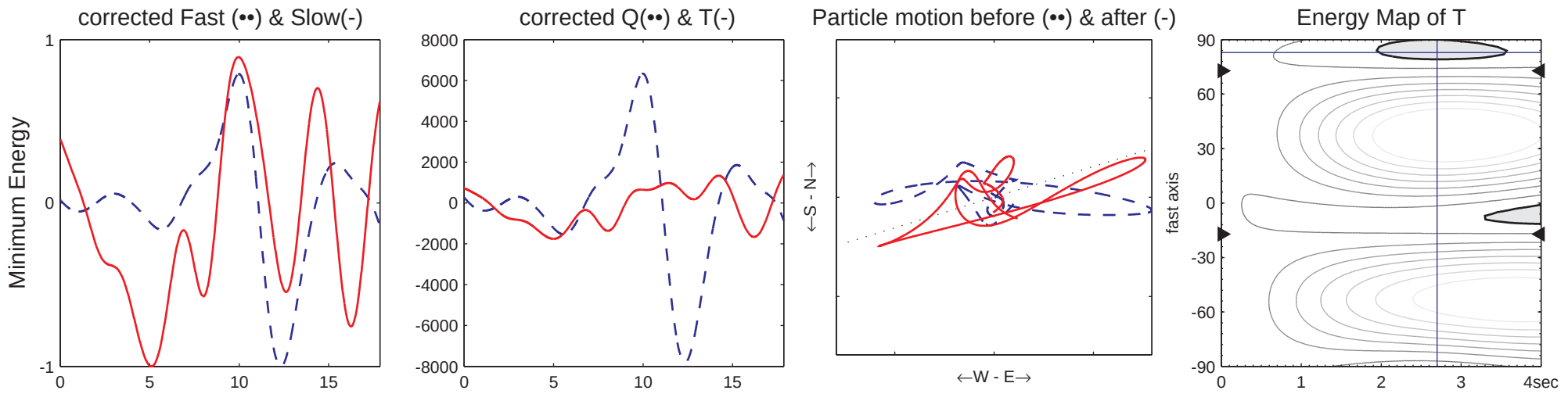
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **CUALT** Backazimuth: **252.8”** Distance: **114.49”**
init.Pol.: **115.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

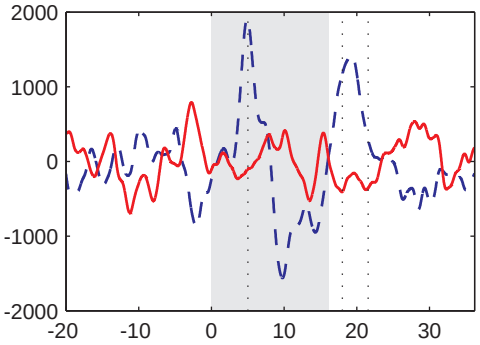
Rotation Correlation:	40<	50° <	62	0.0<0.1s<0.3
Minimum Energy:	80<	83° <	-92	1.9<2.7s<3.6
Eigenvalue:	5<	13° <	19	2.2<2.7s<3.1

Quality: **fair** IsNull: **Yes** Phase: **SKS**





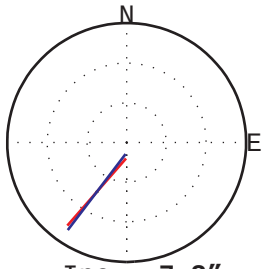




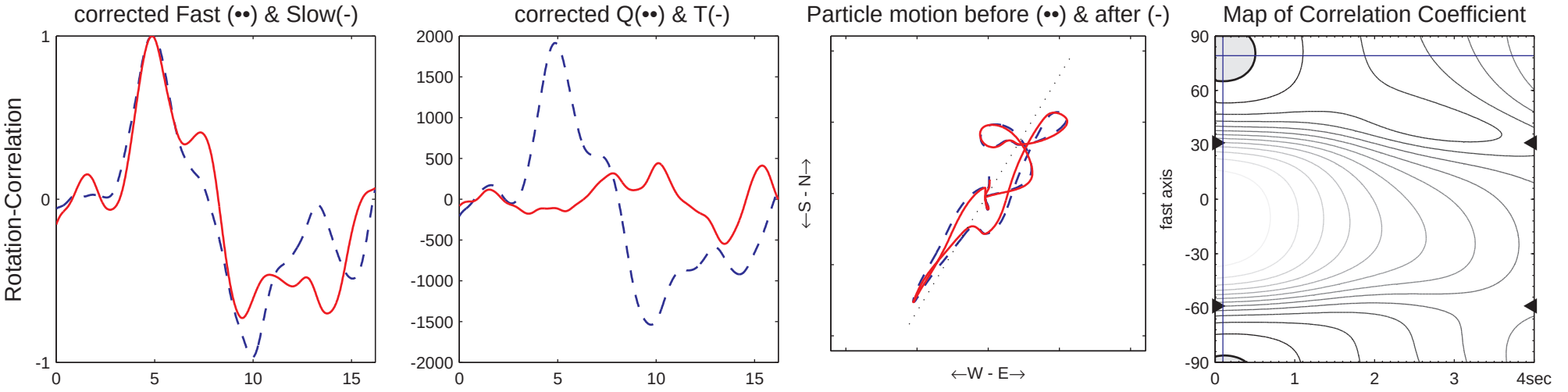
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **CUSAR** Backazimuth: **211.1”** Distance: **109.16”**
init.Pol.: **25.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.9**

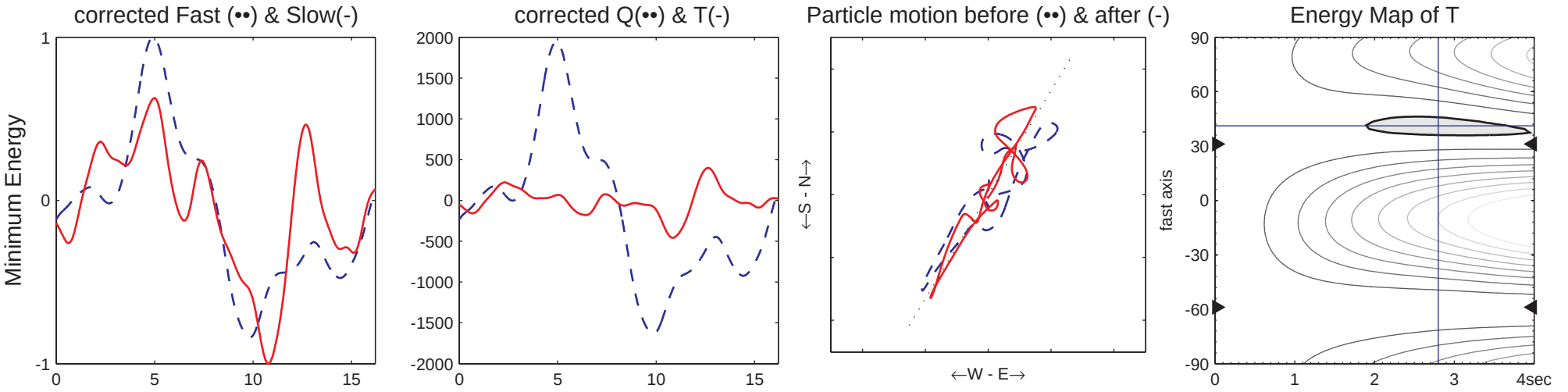
Rotation Correlation:	65<	79° <	-87	0.0<0.1s<0.5
Minimum Energy:	35<	41° <	46	1.9<2.8s<4.0
Eigenvalue:	31<	37° <	43	2.2<3.0s<3.9

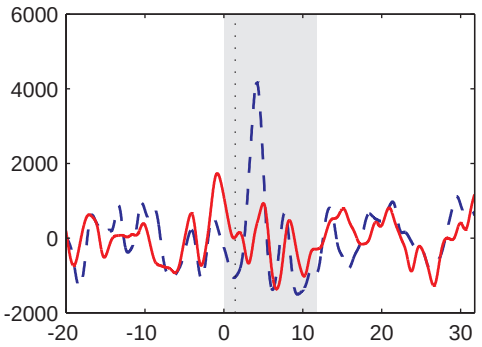
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.3”**



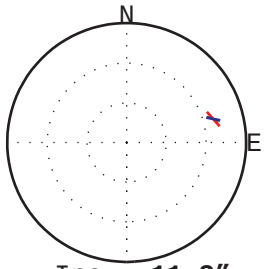




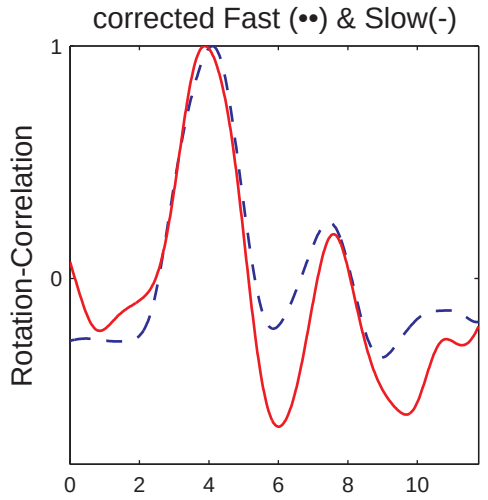
Event: **23-Apr-2011 (113) 04:16 -10.38N 161.20E 79km Mw=6.8**
Station: **CUSAR** Backazimuth: **74.8”** Distance: **123.35”**
init.Pol.: **243.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

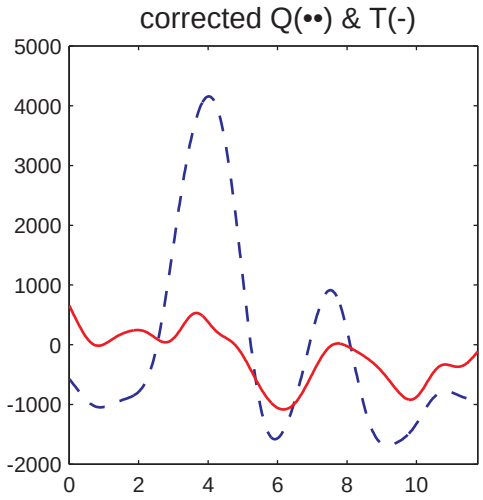
Rotation Correlation:	-87<	-69° <	-53 0.2<0.4s<0.6
Minimum Energy:	-90<	-41° <	-25 0.2<0.6s<1.2
Eigenvalue:	70<	-79° <	-37 0.2<0.4s<0.9

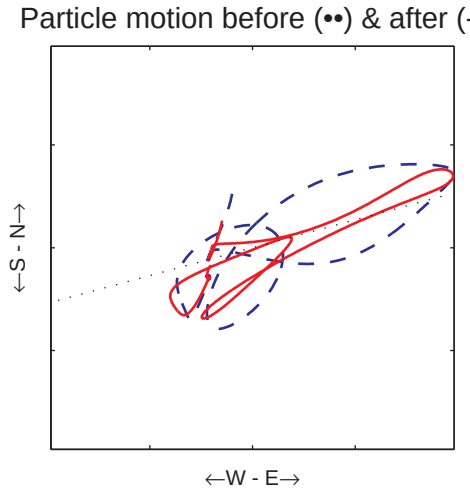
Quality: **fair** IsNull: **No** Phase: **SKKS**

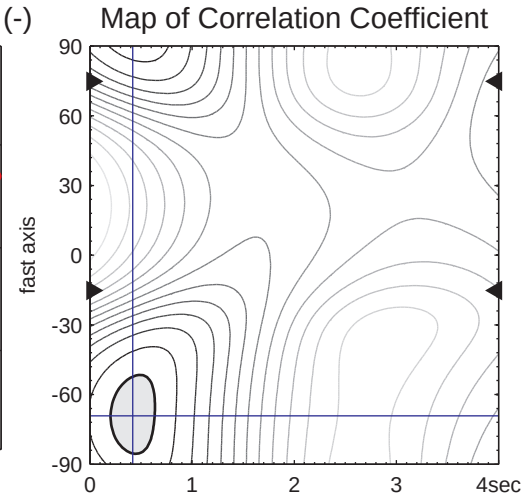


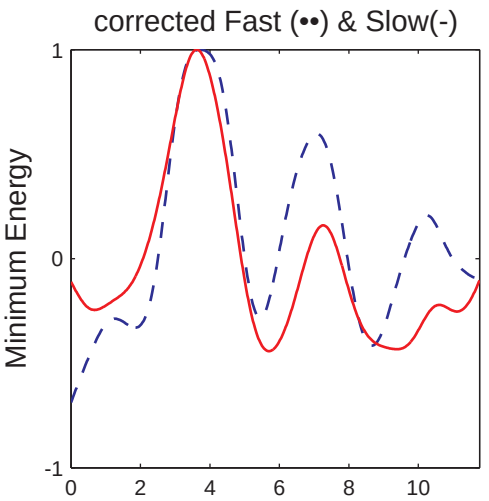
Inc = **11.3”**

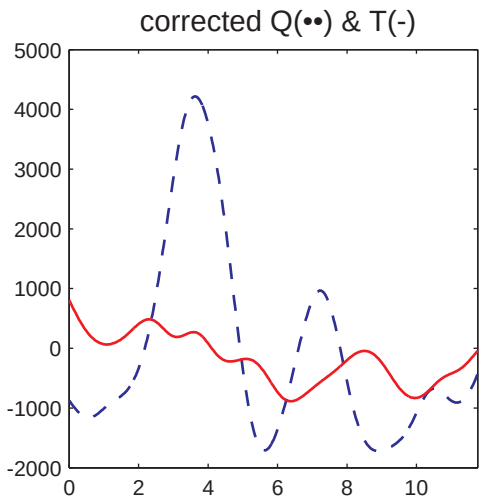


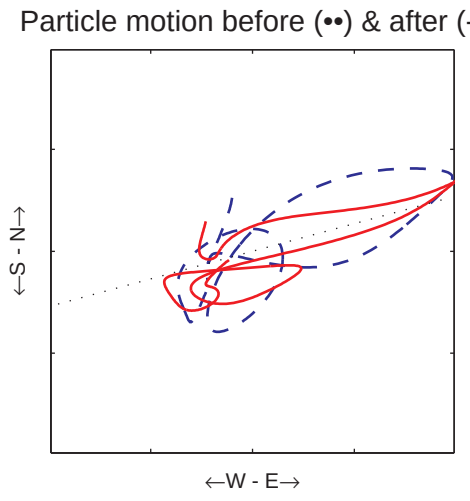


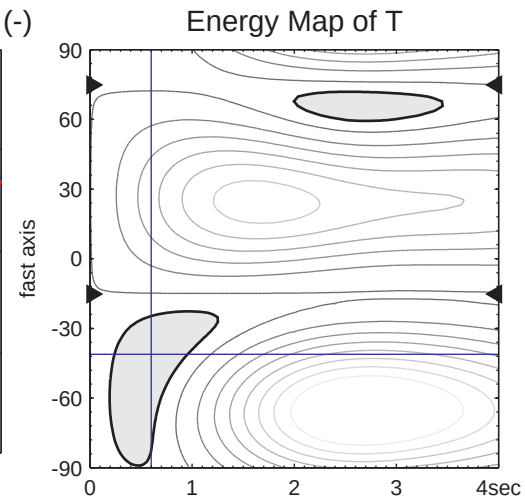


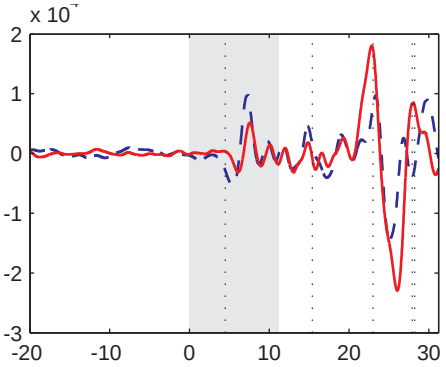








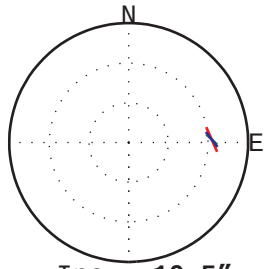


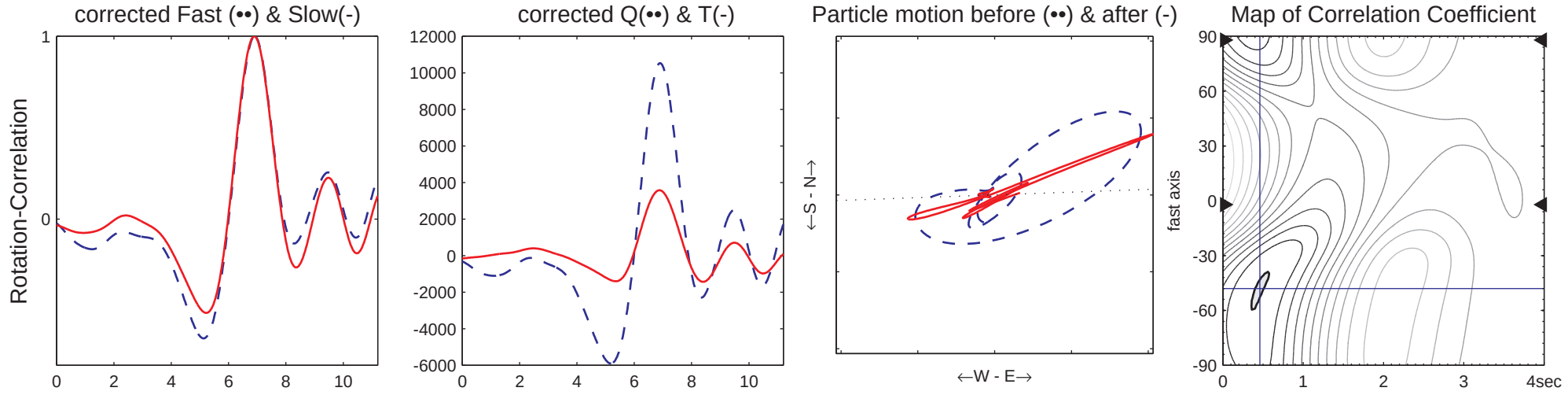


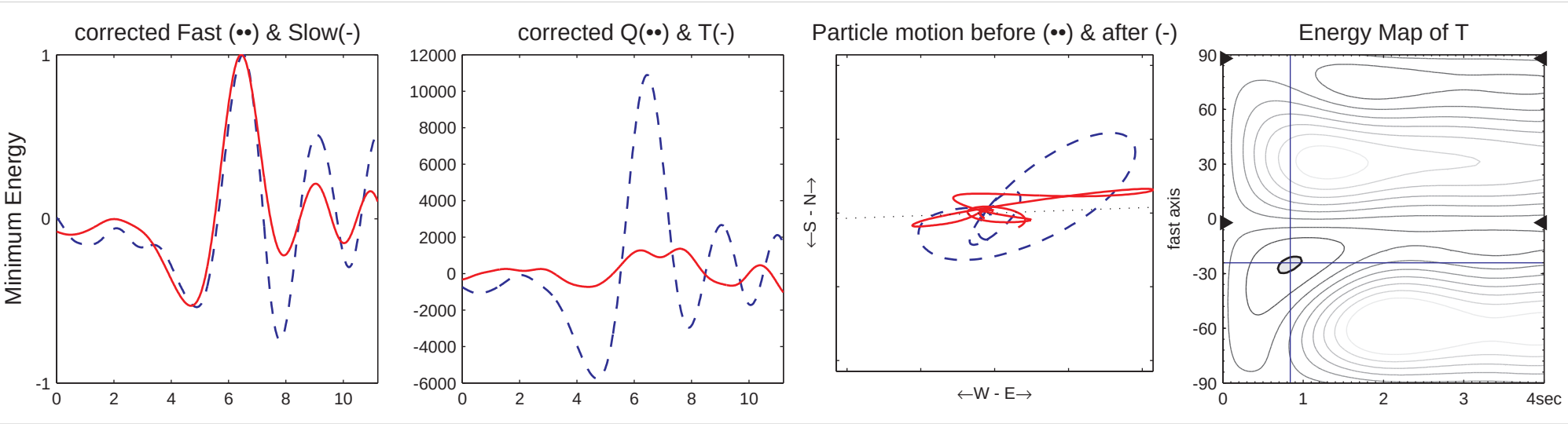
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **CUSAR** Backazimuth: **87.9”** Distance: **88.57”**
init.Pol.: **254.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.8**

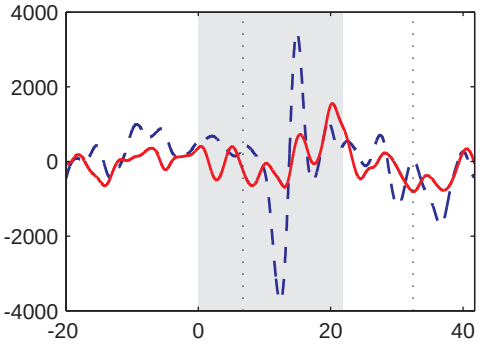
Rotation Correlation:	-61< -48° < -40	0.4<0.5s<0.6
Minimum Energy:	-31< -24° < -23	0.7<0.8s<1.0
Eigenvalue:	-48< -38° < -37	0.5<0.6s<0.7

Quality: **fair** IsNull: **No** Phase: **SKS**





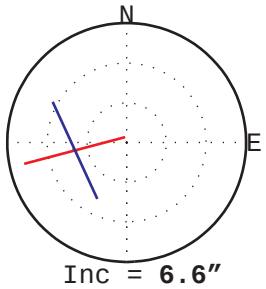


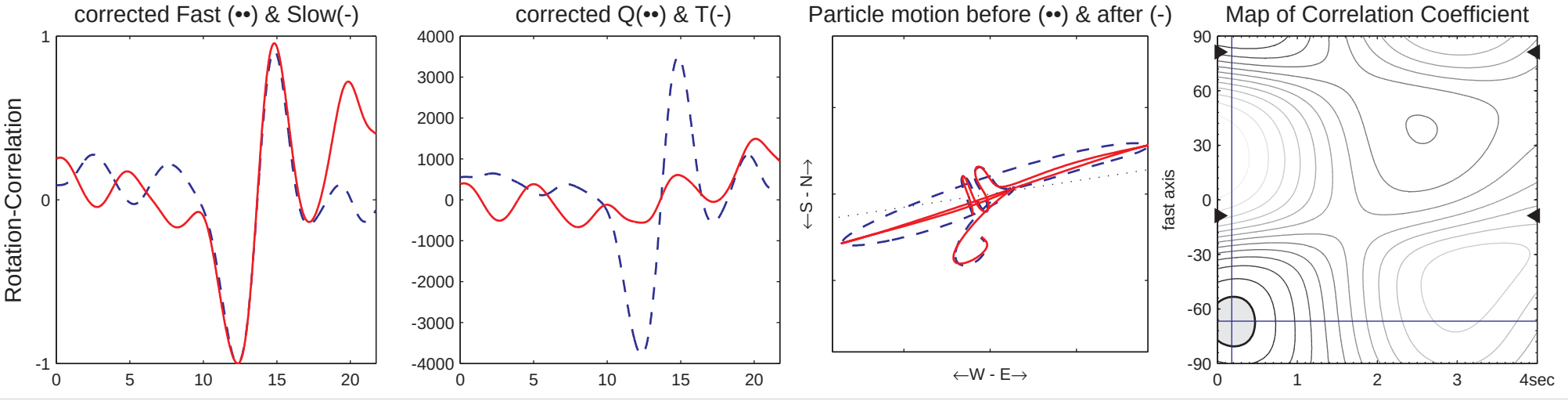


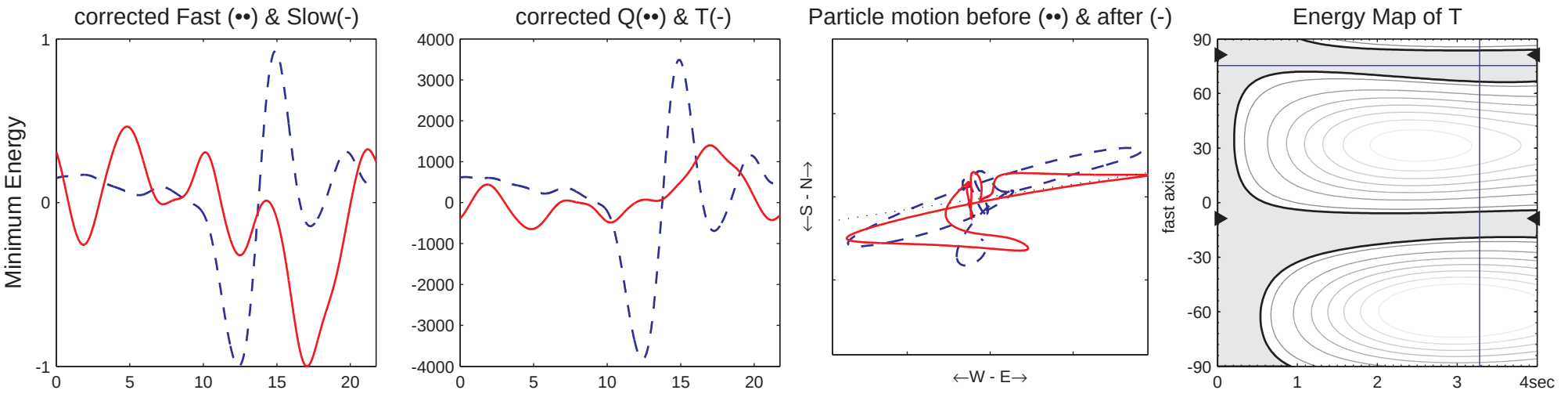
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km Mw=6.4**
Station: **CUSAR** Backazimuth: **261.3”** Distance: **114.47”**
init.Pol.: **55.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

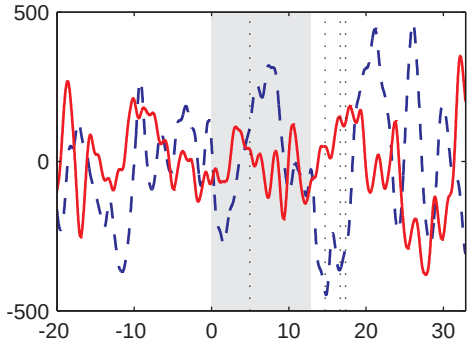
Rotation Correlation:	-82<	-67° < -54	0.0<0.2s<0.5
Minimum Energy:	-Inf<	75° < Inf	0.0<3.3s<Inf
Eigenvalue:	-Inf<	-25° < Inf	0.0<3.4s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





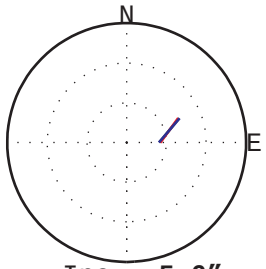


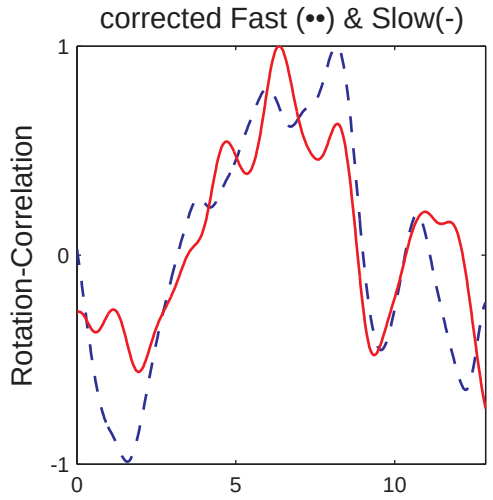


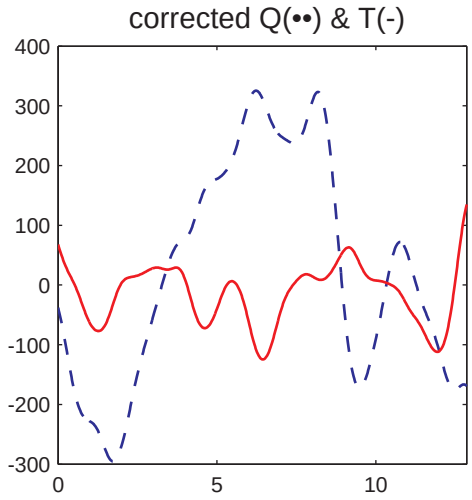
Event: **20-Jul-2011 (201) 22:04 -10.34N 162.01E 21km Mw=6.0**
Station: **CUSAR** Backazimuth: **74.2”** Distance: **123.93”**
init.Pol.: **257.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.3**

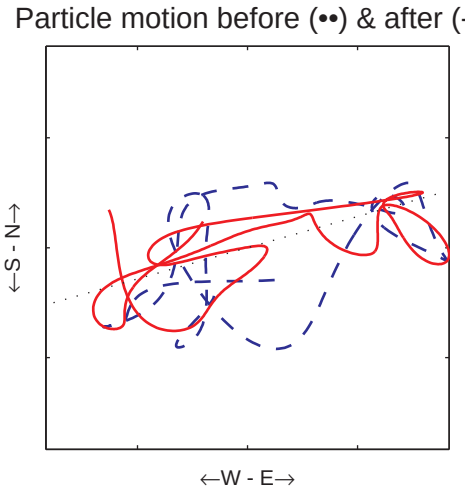
Rotation Correlation:	32<	39° <	47	0.8<1.0s<1.1
Minimum Energy:	23<	36° <	52	0.7<1.0s<1.2
Eigenvalue:	25<	40° <	56	0.7<1.0s<1.2

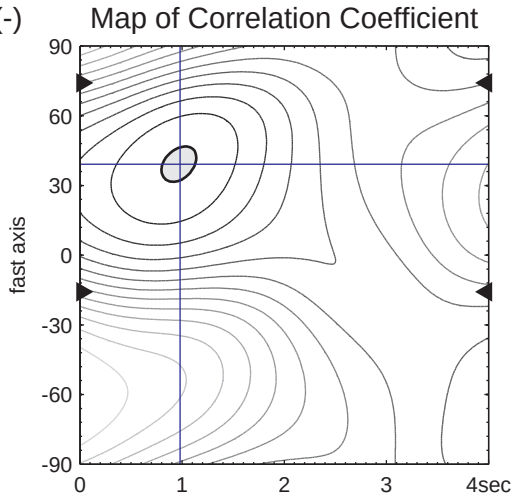
Quality: **good** IsNull: **No** Phase: **SKS**

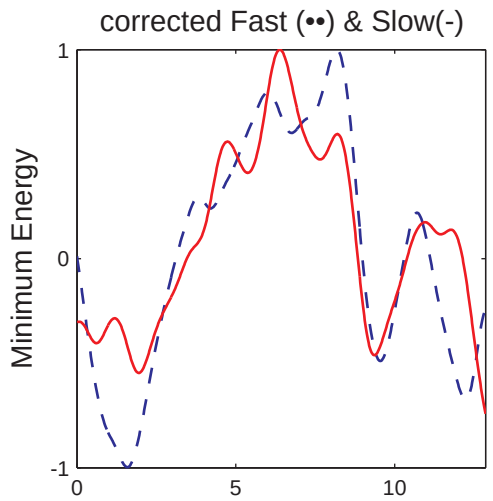


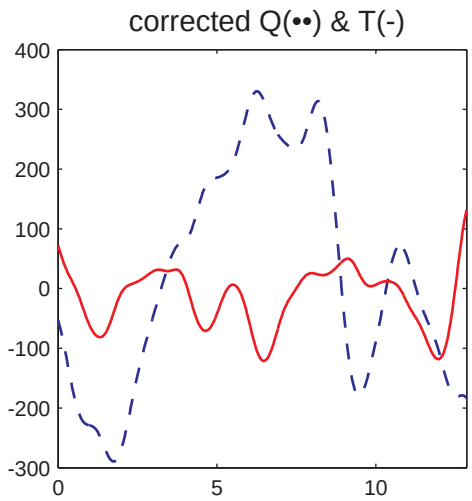


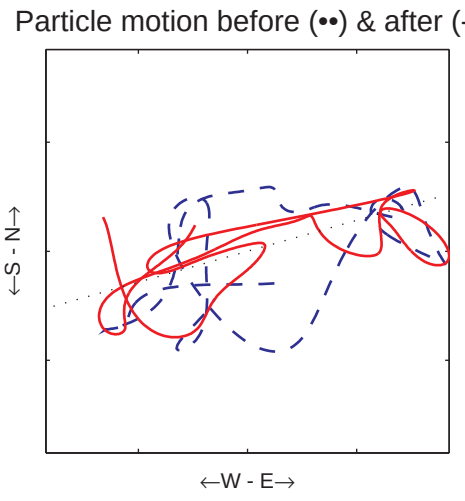


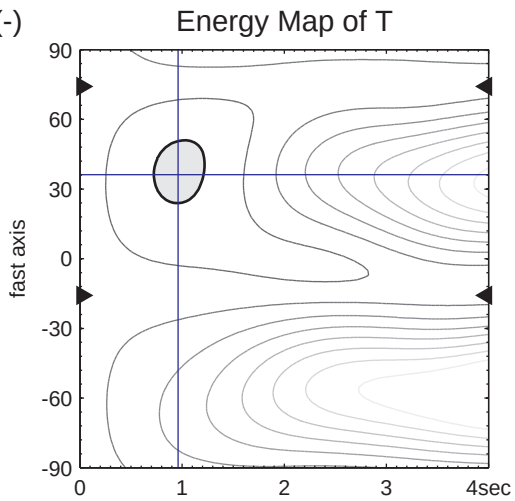


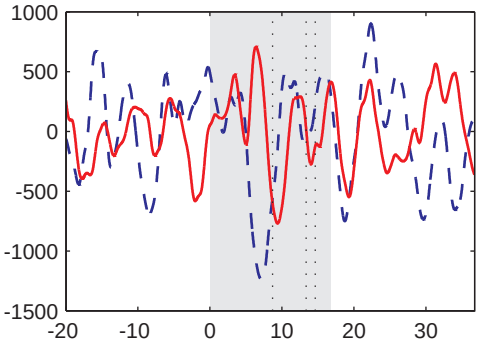








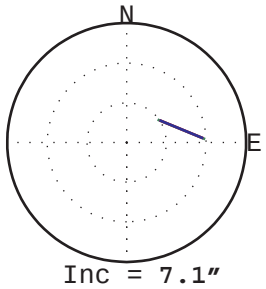


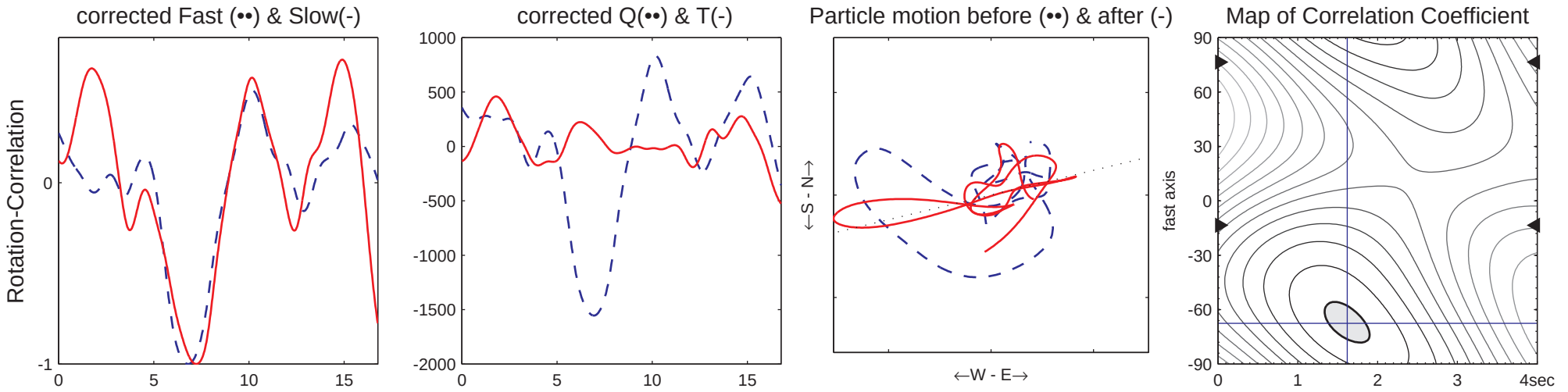


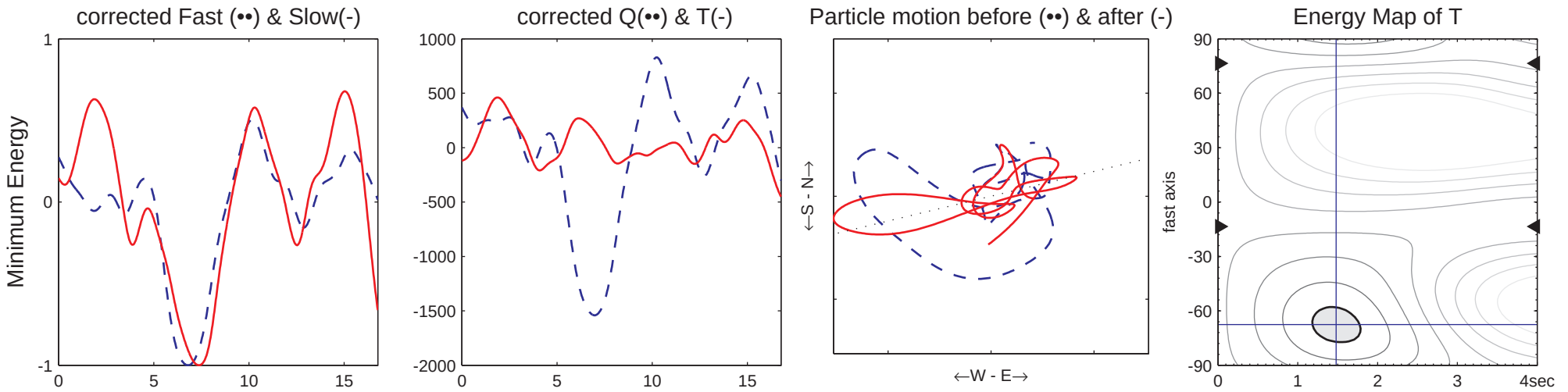
Event: **25-Jul-2011 (206) 00:50 -3.18N 150.61E 10km Mw=6.3**
Station: **CUSAR** Backazimuth: **76.5”** Distance: **110.70”**
init.Pol.: **256.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

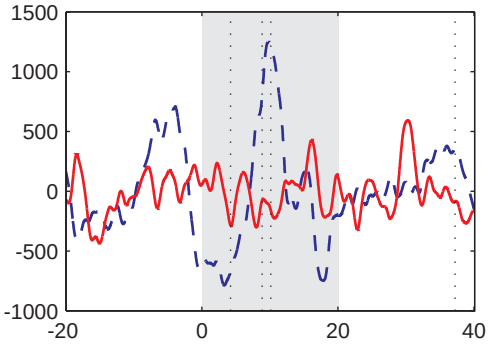
Rotation Correlation:	-79< **-68°** < -57	1.3<1.6s<1.9
Minimum Energy:	-80< **-68°** < -60	1.2<1.5s<1.8
Eigenvalue:	-86< **-68°** < -54	1.2<1.5s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





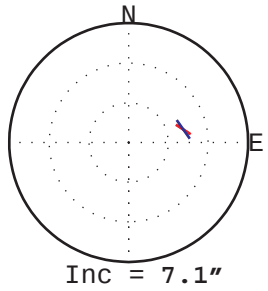


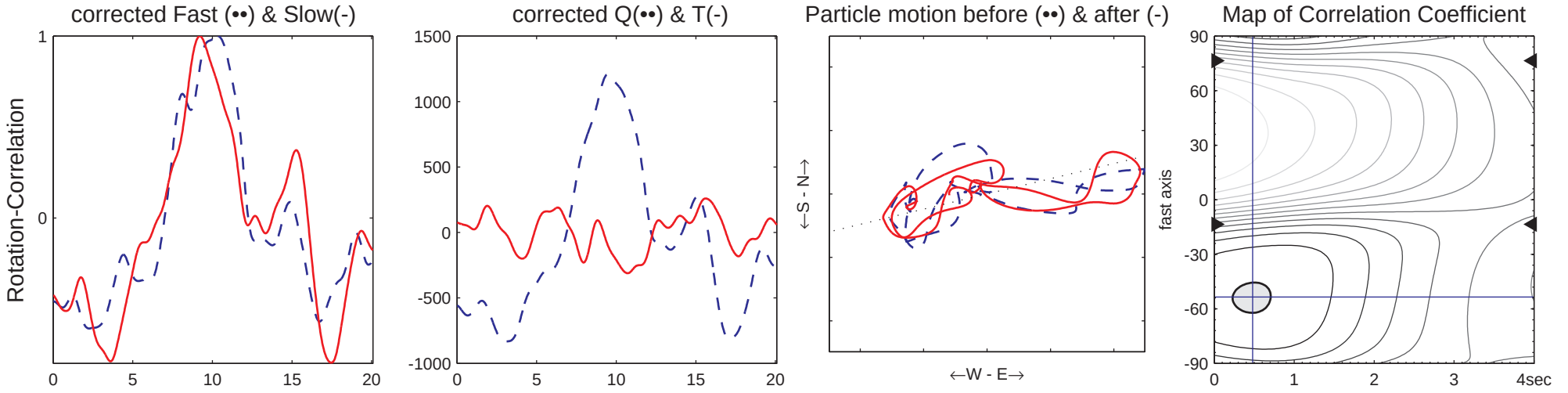


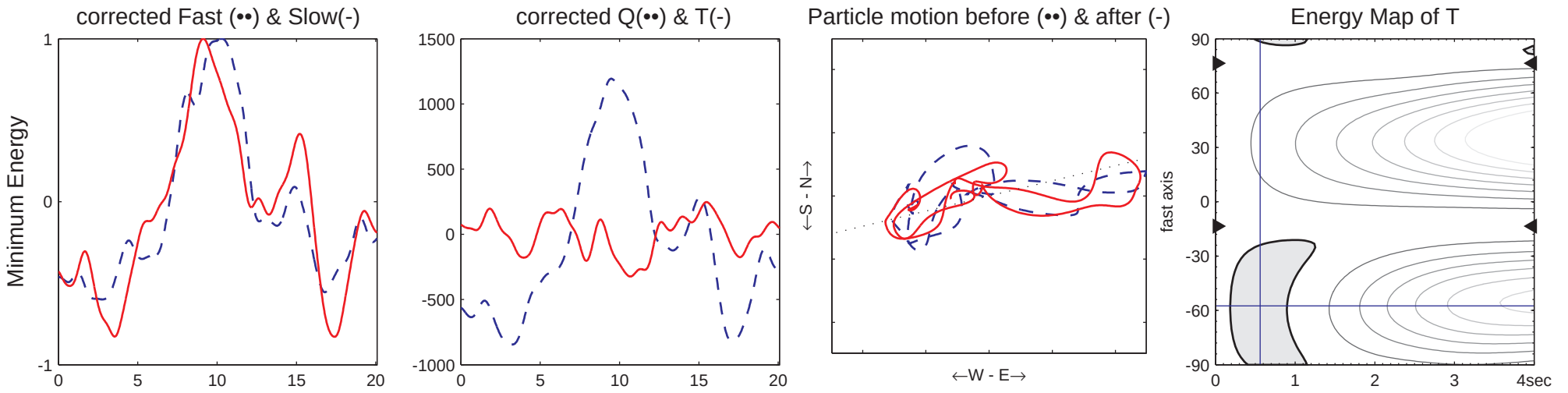
Event: **26-Jul-2011 (207) 17:40 -3.29N 150.71E 10km Mw=5.4**
Station: **CUSAR** Backazimuth: **76.5”** Distance: **110.85”**
init.Pol.: **262.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

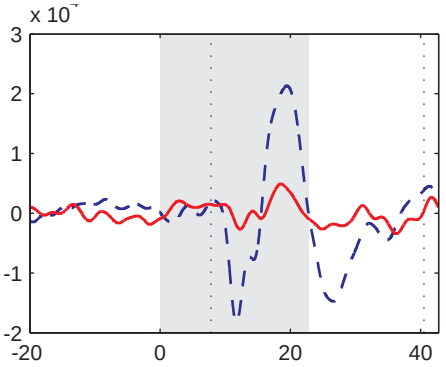
Rotation Correlation:	-63<	-54° <	-47	0.2<0.5s<0.7
Minimum Energy:	86<	-58° <	-23	0.2<0.6s<1.2
Eigenvalue:	-86<	-36° <	-15	0.2<0.7s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





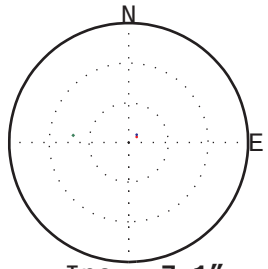


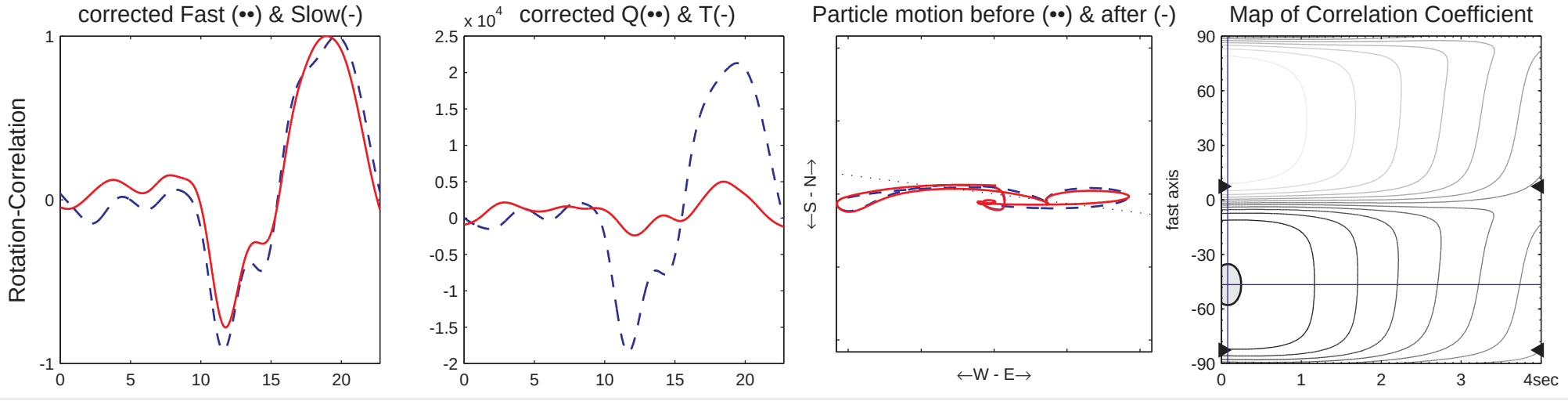


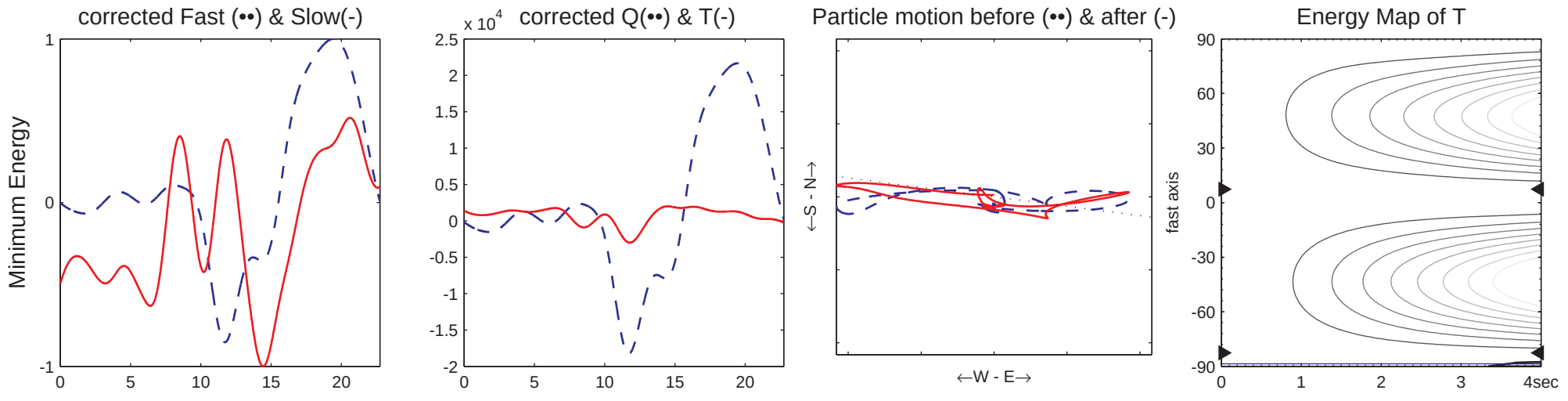
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **CUSAR** Backazimuth: **277.4”** Distance: **110.85”**
init.Pol.: **92.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.5**

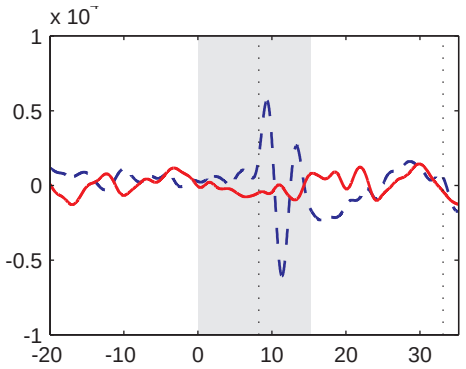
Rotation Correlation:	-59<	-47° <	-37	0.0<0.1s<0.2
Minimum Energy:	-Inf<	-89° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-1<	89° <	-3	0.0<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





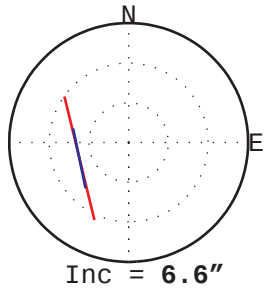


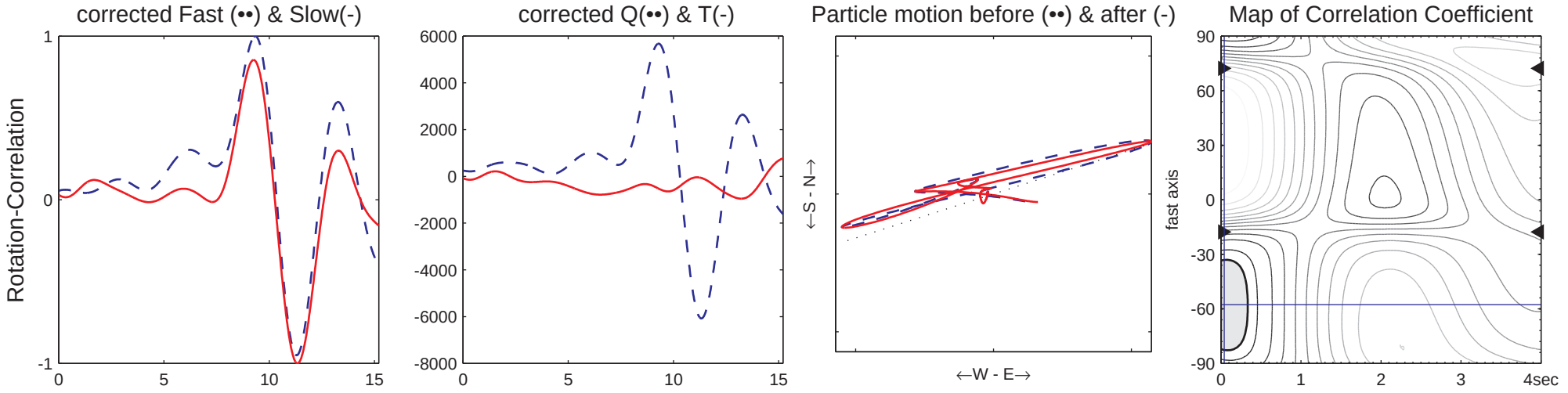


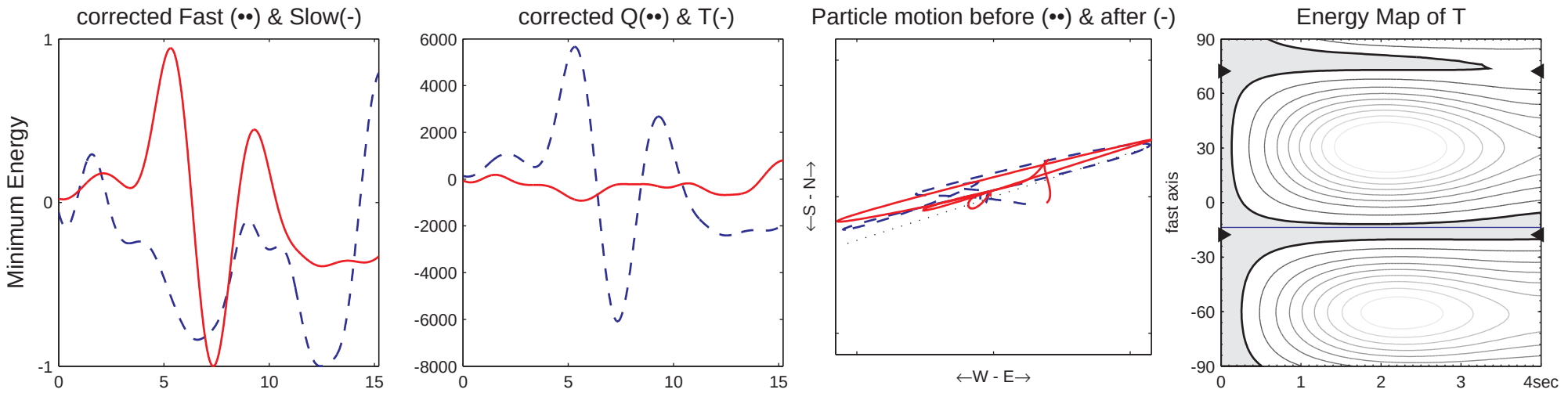
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **CUSAR** Backazimuth: **252.3”** Distance: **114.30”**
init.Pol.: **82.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.9**

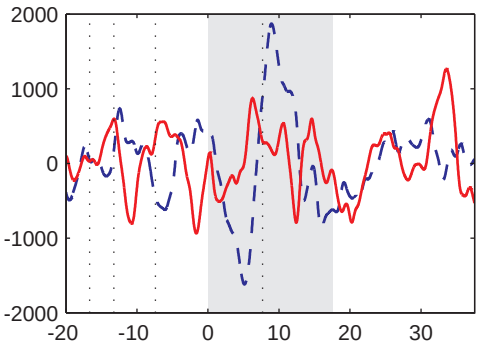
Rotation Correlation:	-84<	-58° < -34	0.0<0.0s<0.3
Minimum Energy:	-Inf<	-14° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-12° < Inf	0.0<1.9s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





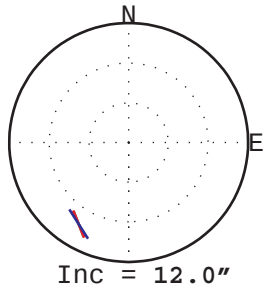


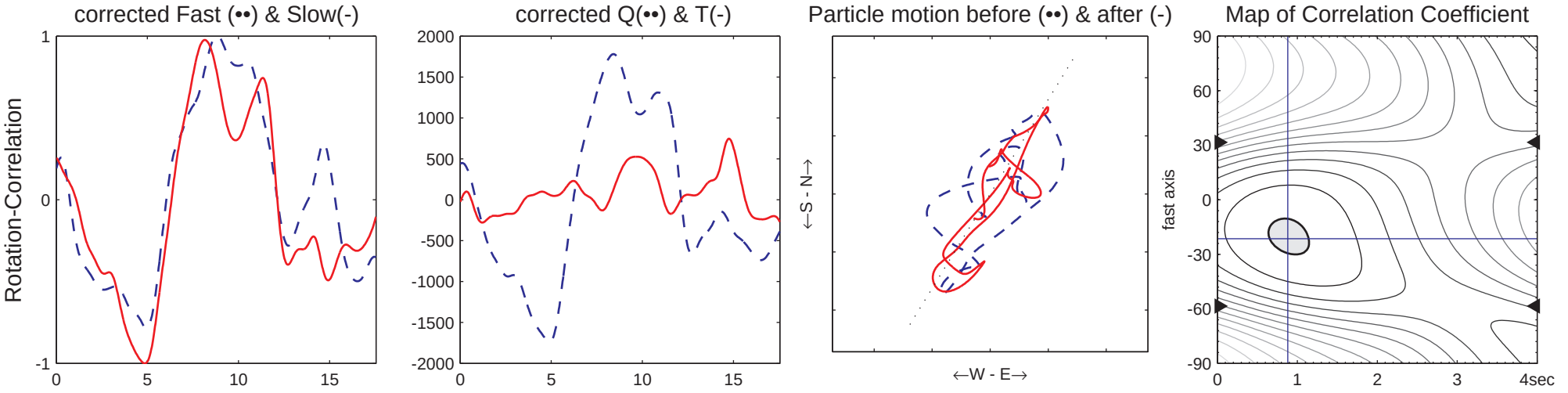


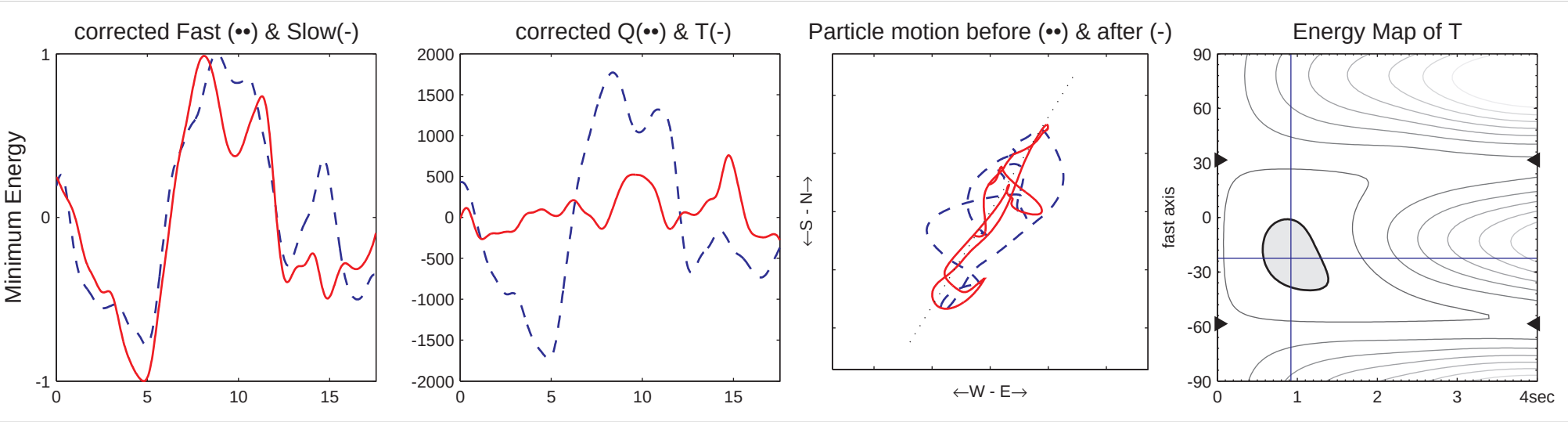
Event: 03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4
Station: CUSAR Backazimuth: 211.5” Distance: 109.63”
init.Pol.: 24.6” Filter: 0.040Hz - 1.00Hz SNR_{SC}: 3.6

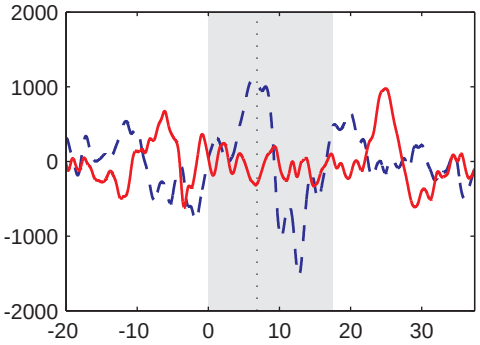
Rotation Correlation:	-31< -21° < -12	0.6<0.9s<1.2
Minimum Energy:	-41< -22° < -3	0.6<0.9s<1.4
Eigenvalue:	-52< -32° < -15	0.7<1.1s<1.6

Quality: fair IsNull: No Phase: SKKS





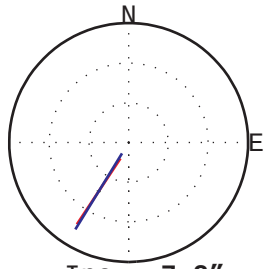




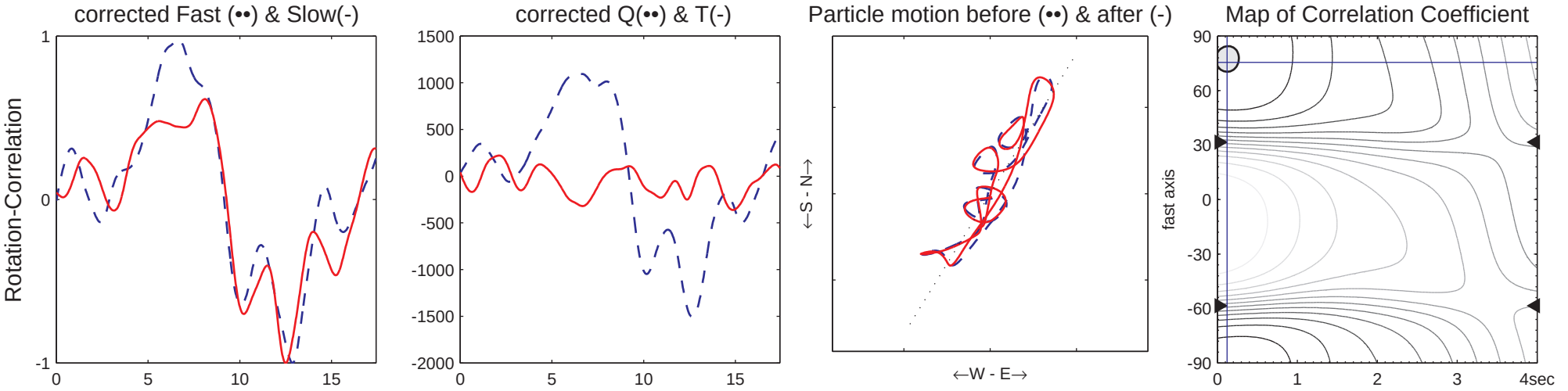
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **CUSAR** Backazimuth: **211.5”** Distance: **109.63”**
init.Pol.: **28.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.7**

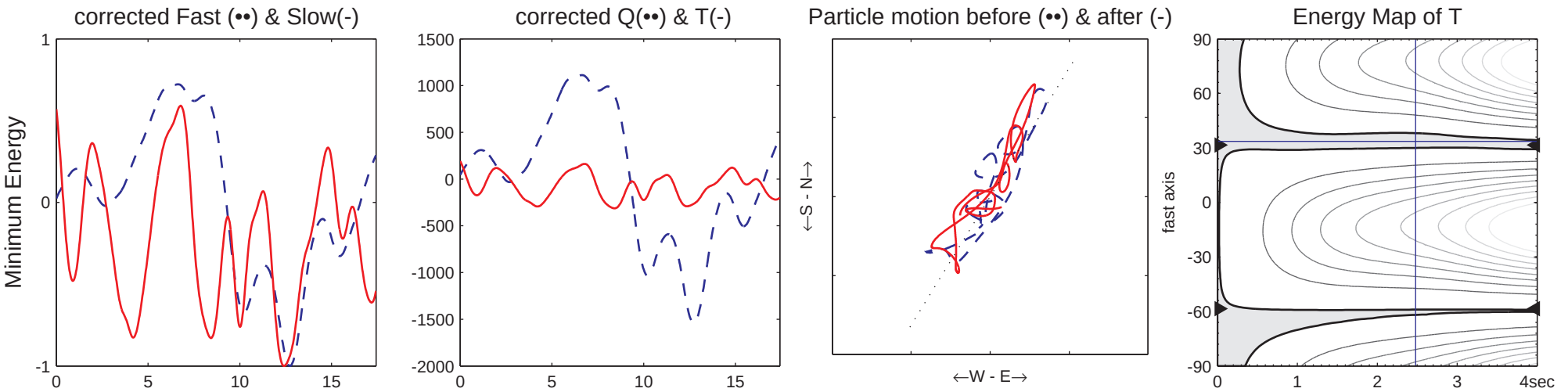
Rotation Correlation:	70<	76° <	84	0.0<0.1s<0.3
Minimum Energy:	-Inf<	34° <	Inf	0.0<2.5s<Inf
Eigenvalue:	27<	32° <	35	2.1<2.8s<4.0

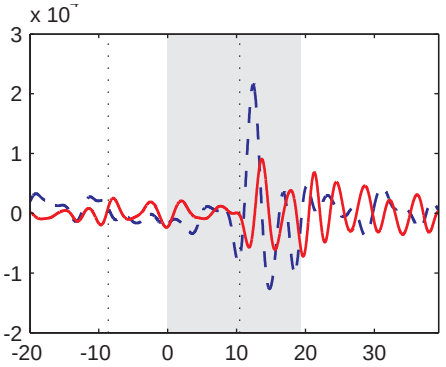
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.2”**



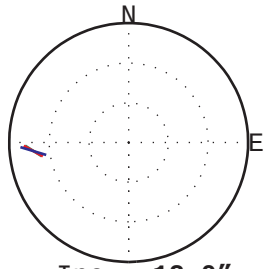




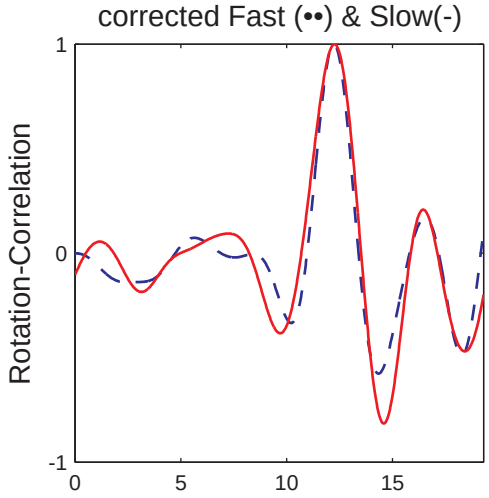
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **CUSAR** Backazimuth: **264.9”** Distance: **108.34”**
init.Pol.: **77.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.5**

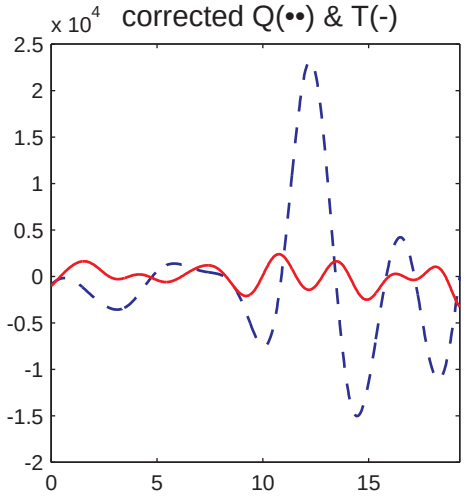
Rotation Correlation:	-68<	-57° <	-49 0.5<0.6s<0.7
Minimum Energy:	-70<	-61° <	-56 0.6<0.7s<0.8
Eigenvalue:	-84<	-73° <	-64 0.7<0.8s<1.0

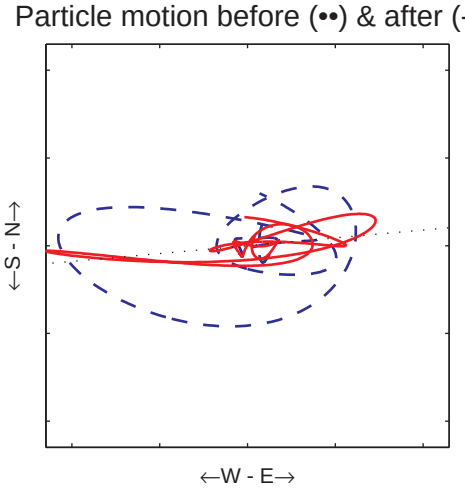
Quality: **good** IsNull: **No** Phase: **SKKS**

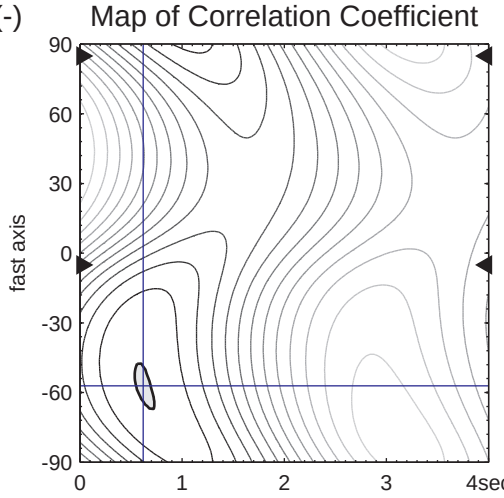


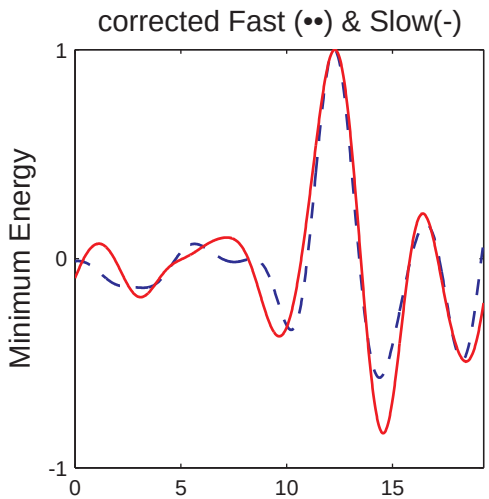
Inc = **12.0”**

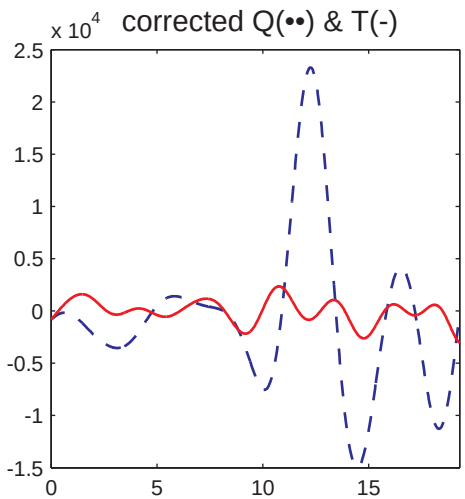


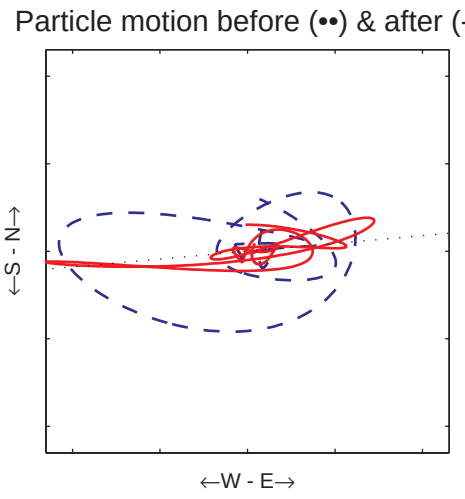


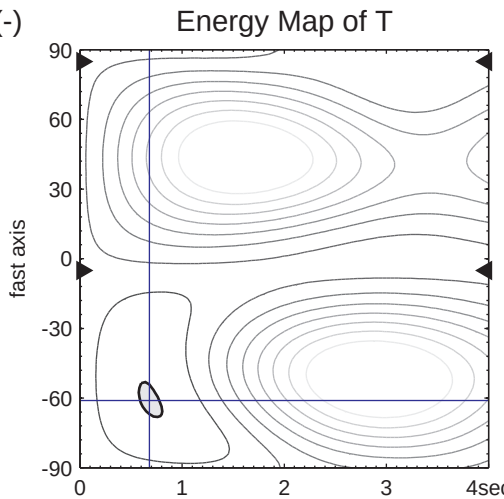


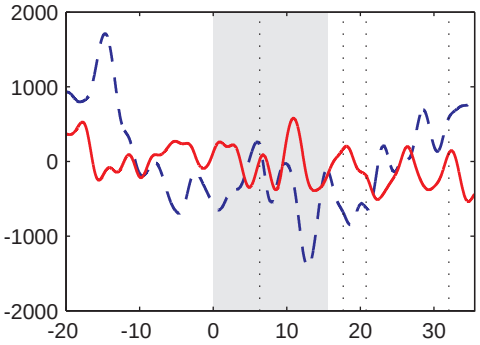








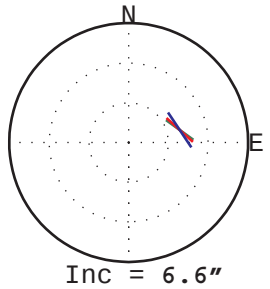


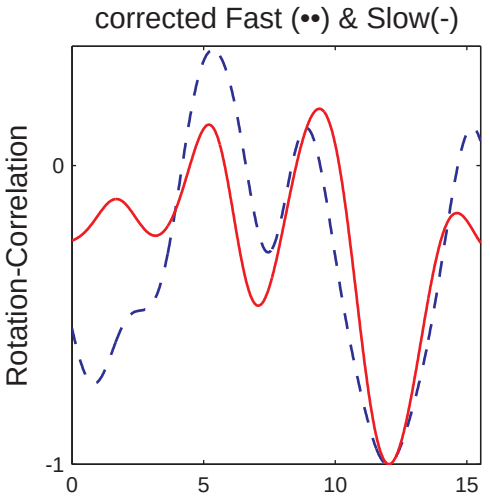


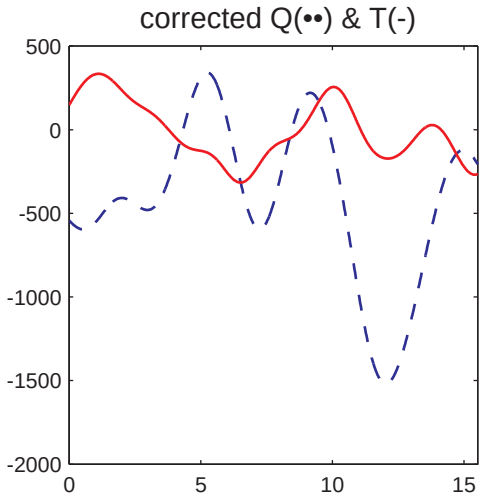
Event: **28-Nov-2011 (332) 12:26 -5.48N 153.73E 25km Mw=6.1**
Station: **CUSAR** Backazimuth: **76.1”** Distance: **114.56”**
init.Pol.: **268.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

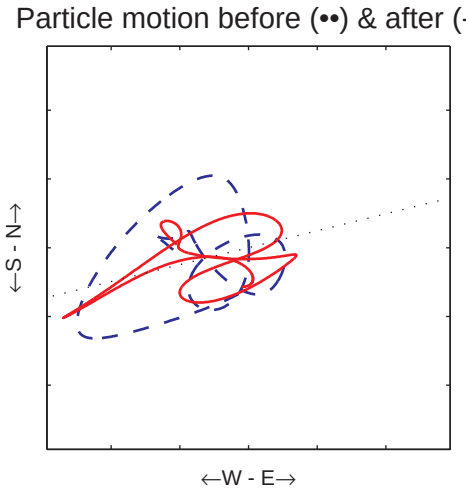
Rotation Correlation:	-69<	-54° <	-41	0.7<1.1s<1.4
Minimum Energy:	-70<	-48° <	-33	0.7<1.1s<1.7
Eigenvalue:	-70<	-34° <	-13	0.8<1.3s<1.8

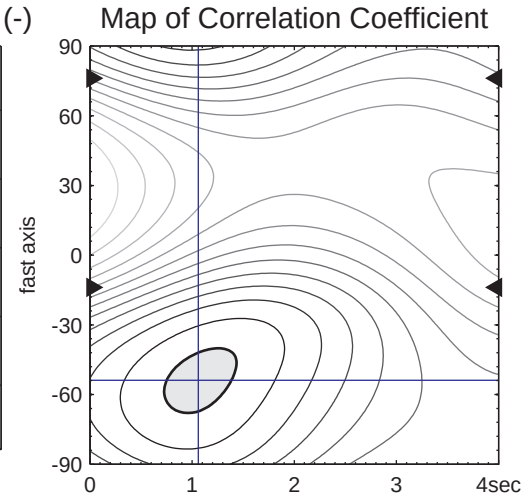
Quality: **fair** IsNull: **No** Phase: **SKS**

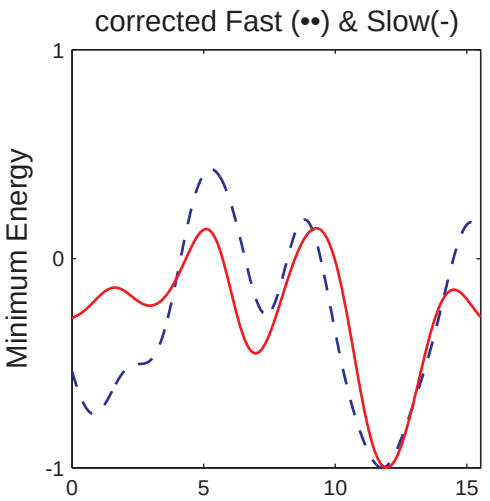


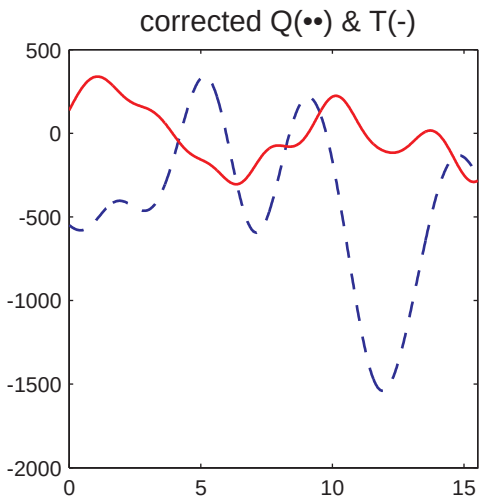


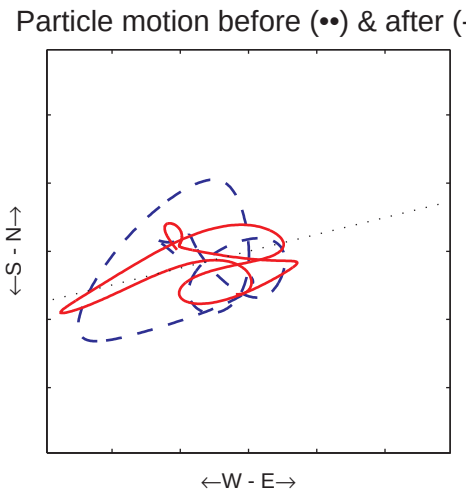


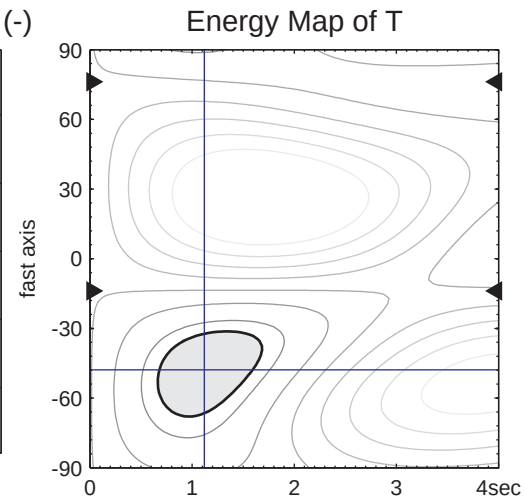


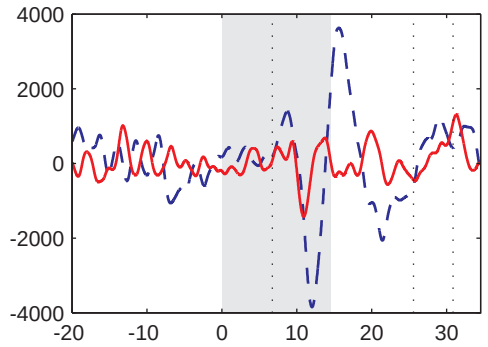








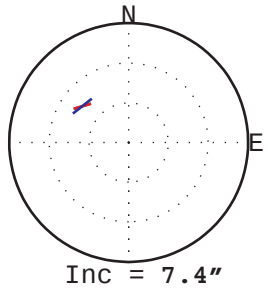


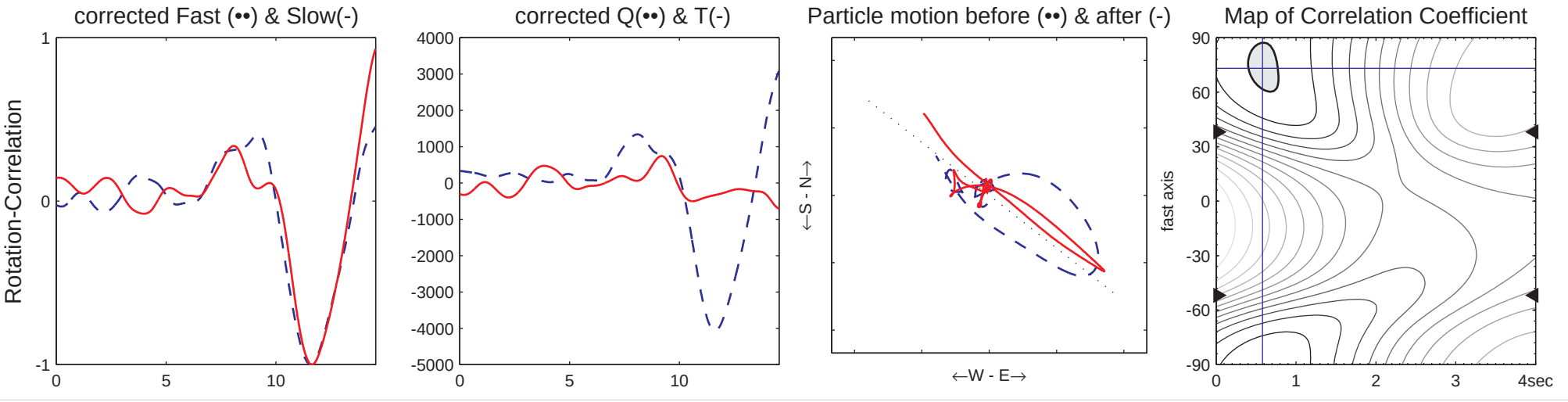


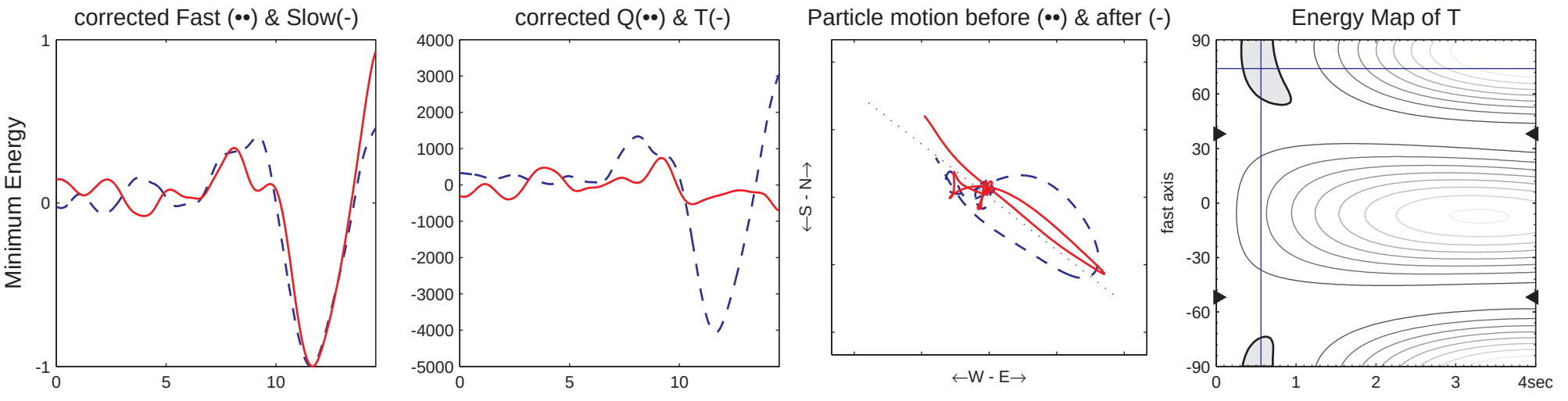
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **CUSAR** Backazimuth: **308.1”** Distance: **108.02”**
init.Pol.: **120.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

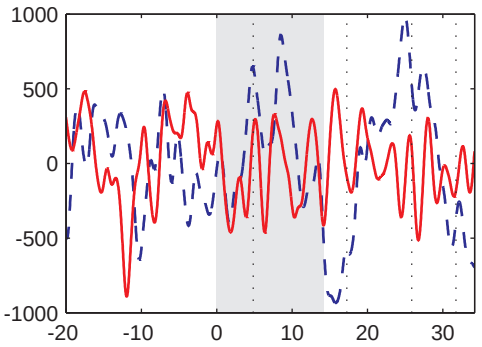
Rotation Correlation:	60<	73° <	87	0.4<0.6s<0.8
Minimum Energy:	54<	74° <	-76	0.3<0.6s<0.9
Eigenvalue:	37<	52° <	86	0.4<0.8s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





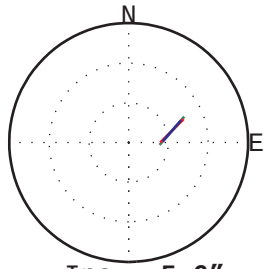




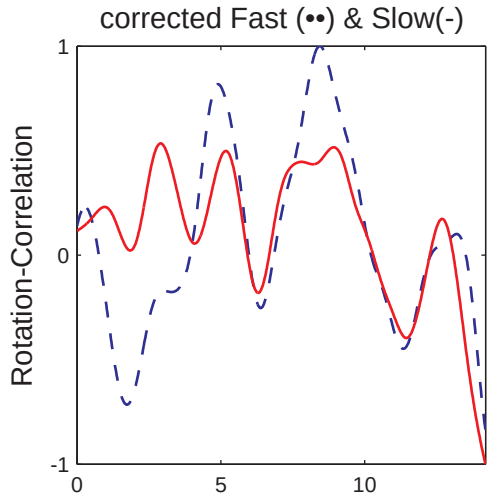
Event: **14-Feb-2012 (045) 08:19 -10.39N 161.10E 51km** Mw=**6.4**
Station: **CUSAR** Backazimuth: **74.9”** Distance: **123.29”**
init.Pol.: **247.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.7**

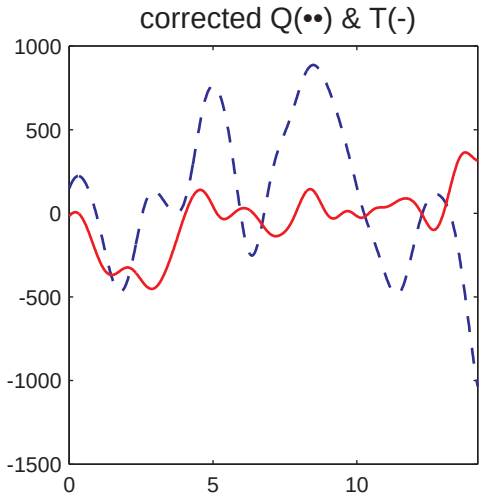
Rotation Correlation:	35<	41° <	49	1.0<1.2s<1.3
Minimum Energy:	33<	45° <	56	0.7<1.0s<1.3
Eigenvalue:	23<	41° <	56	0.4<0.9s<1.2

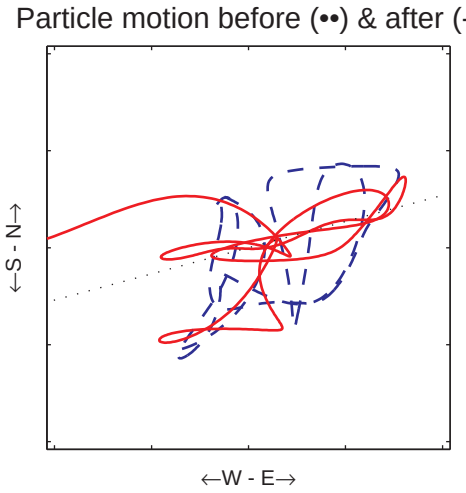
Quality: **fair** IsNull: **No** Phase: **SKS**

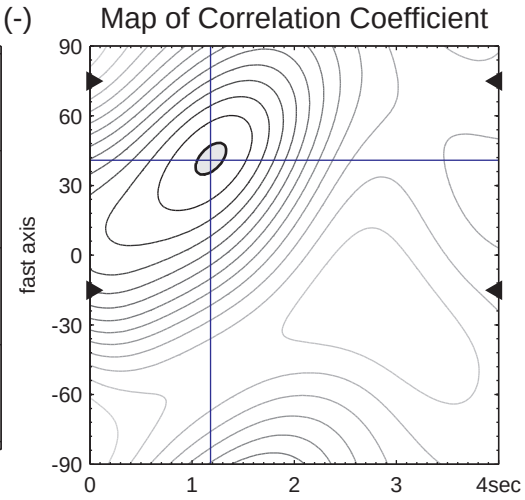


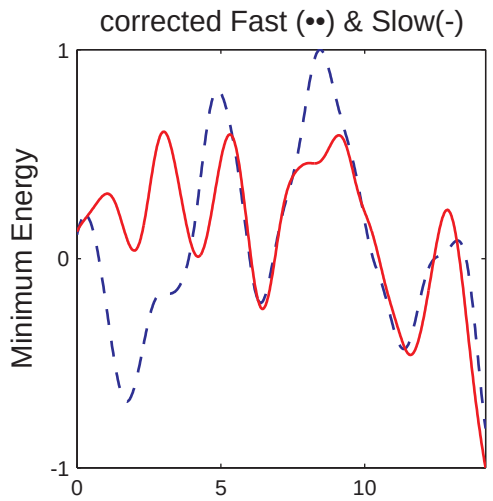
Inc = **5.6”**

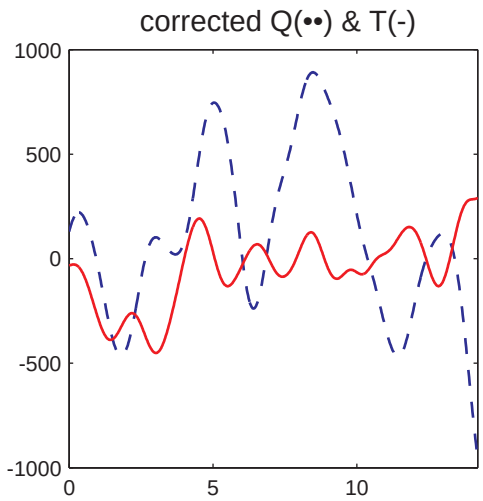


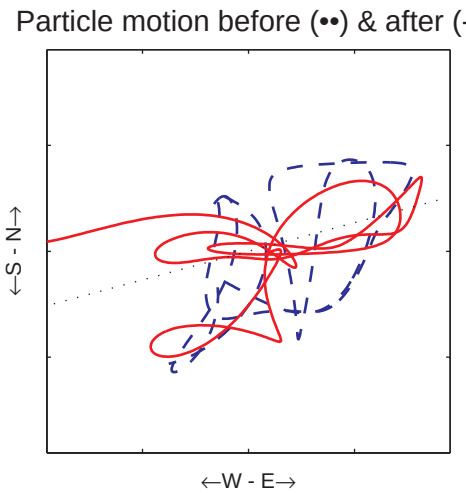


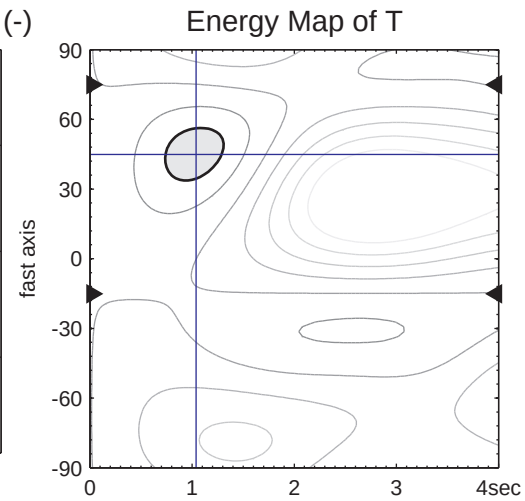


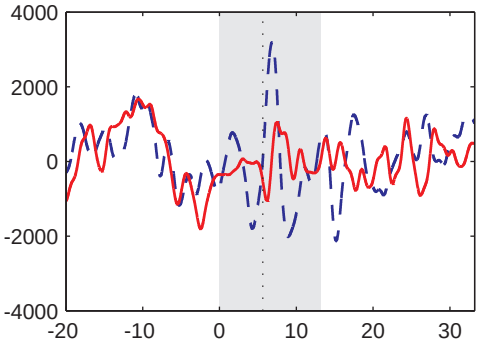








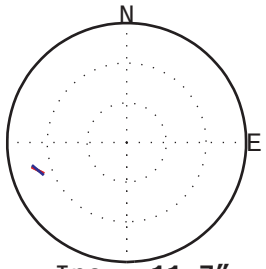




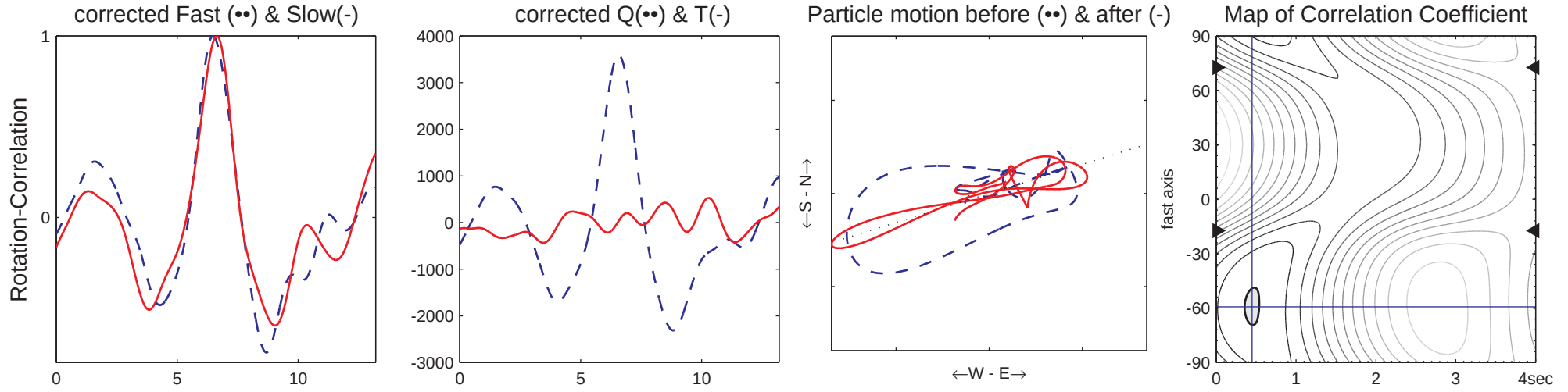
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km** Mw=**6.7**
Station: **CUSAR** Backazimuth: **252.6”** Distance: **114.15”**
init.Pol.: **75.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.4**

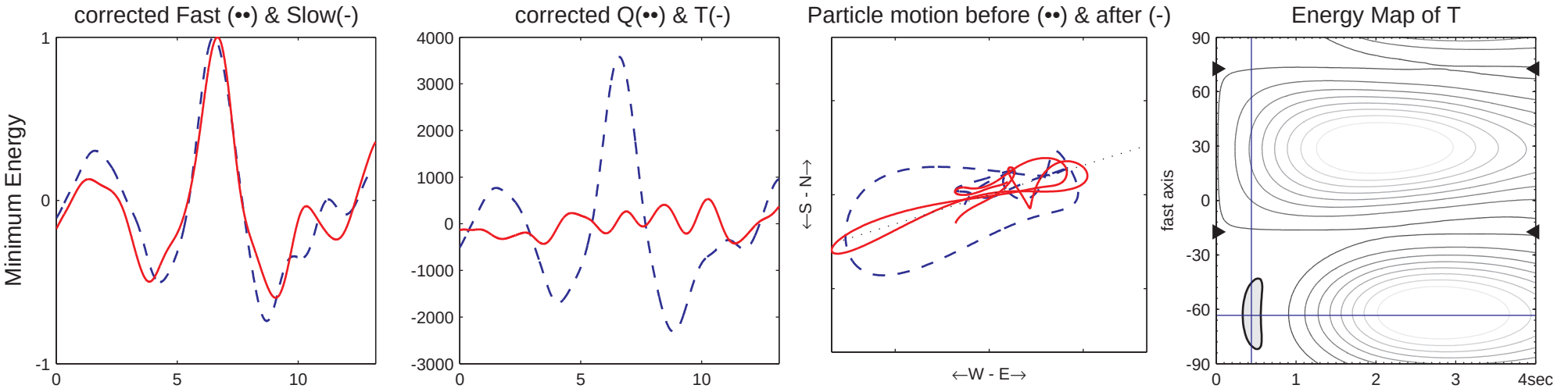
Rotation Correlation:	-70<	-59° <	-50 0.4<0.5s<0.5
Minimum Energy:	-84<	-63° <	-46 0.3<0.4s<0.6
Eigenvalue:	-84<	-49° <	-27 0.3<0.5s<0.8

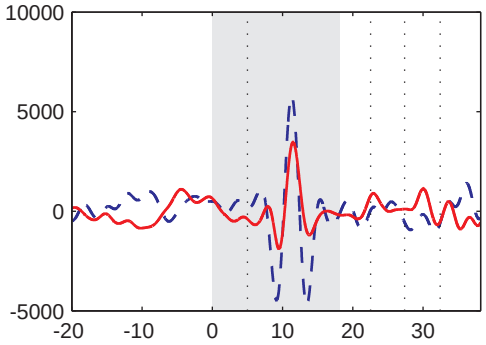
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **11.7”**



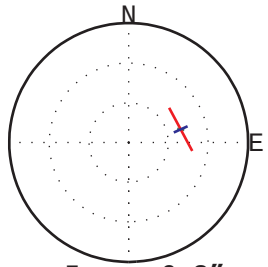


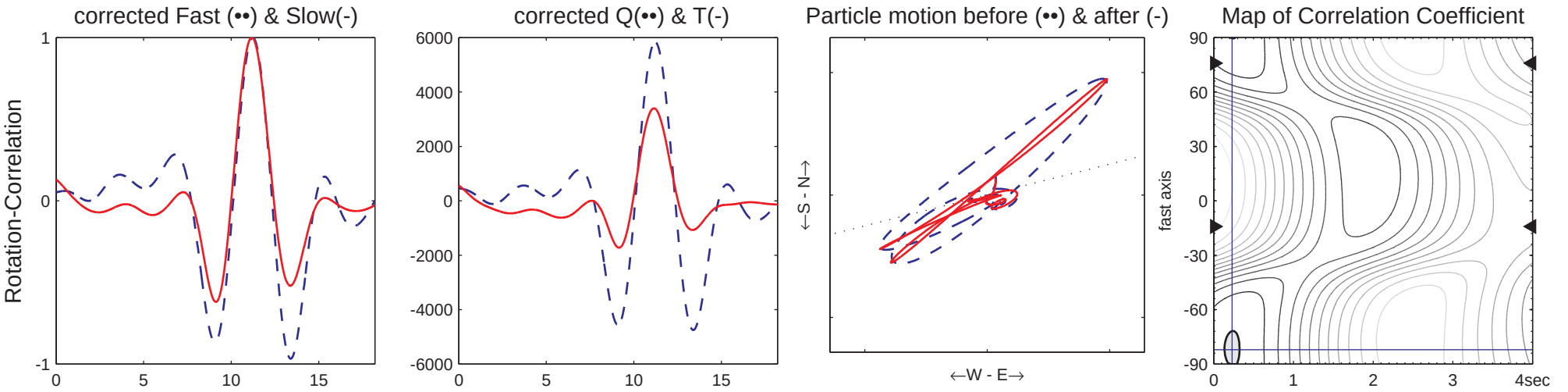


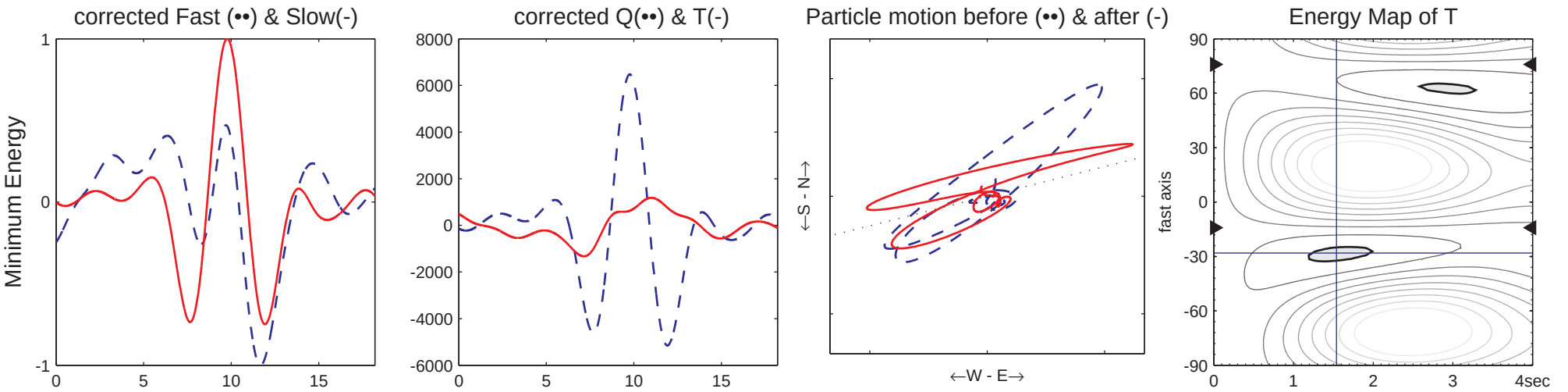
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **CUSAR** Backazimuth: **75.9”** Distance: **113.59”**
init.Pol.: **230.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

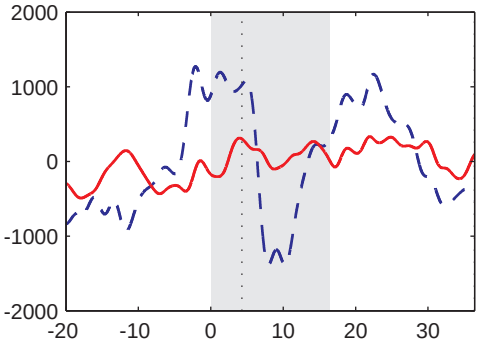
Rotation Correlation:	-91<	-82° < -73	0.1<0.2s<0.3
Minimum Energy:	-35<	-28° < -27	1.2<1.5s<2.0
Eigenvalue:	43<	66° < -37	0.1<0.5s<1.7

Quality: **fair** IsNull: **Yes** Phase: **SKS**





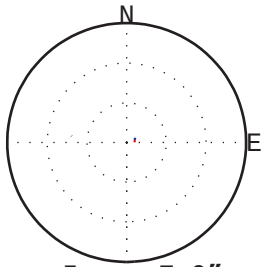


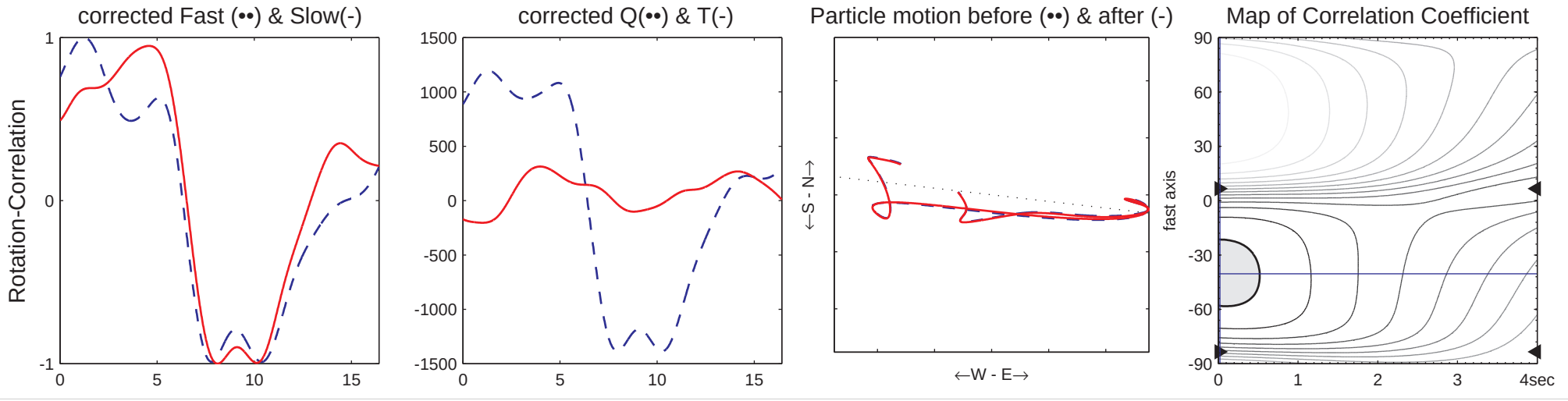


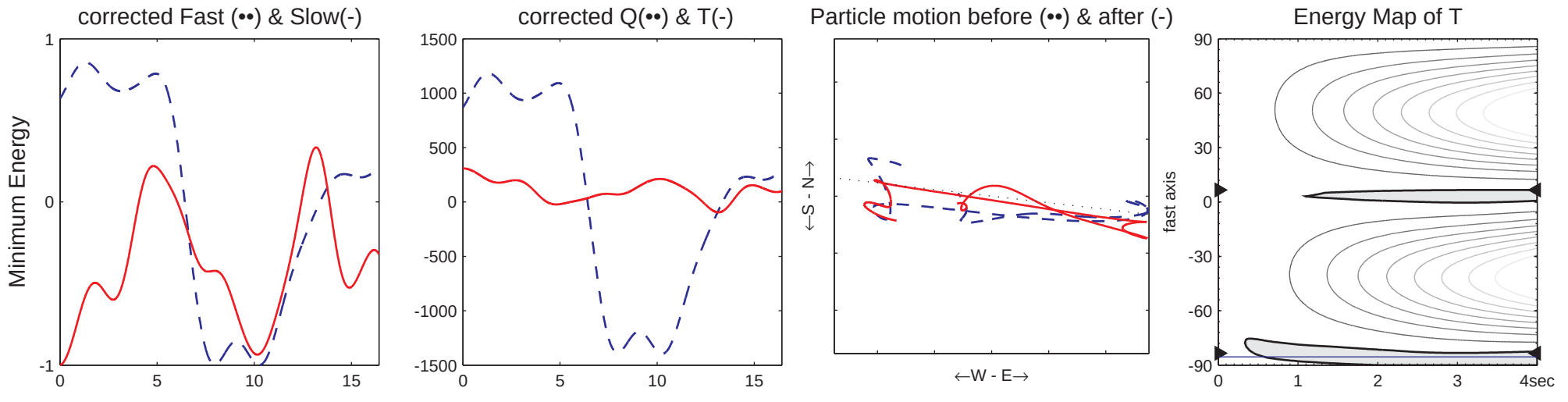
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **CUSAR** Backazimuth: **276.6”** Distance: **111.14”**
init.Pol.: **94.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

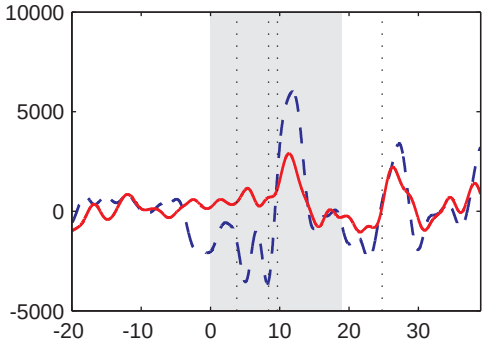
Rotation Correlation:	-59<	-40° <	-23	0.0<0.0s<0.5
Minimum Energy:	-92<	-85° <	-78	0.3<4.0s<4.0
Eigenvalue:	88<	-87° <	-86	1.9<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





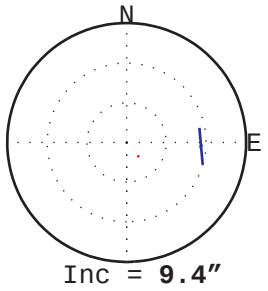


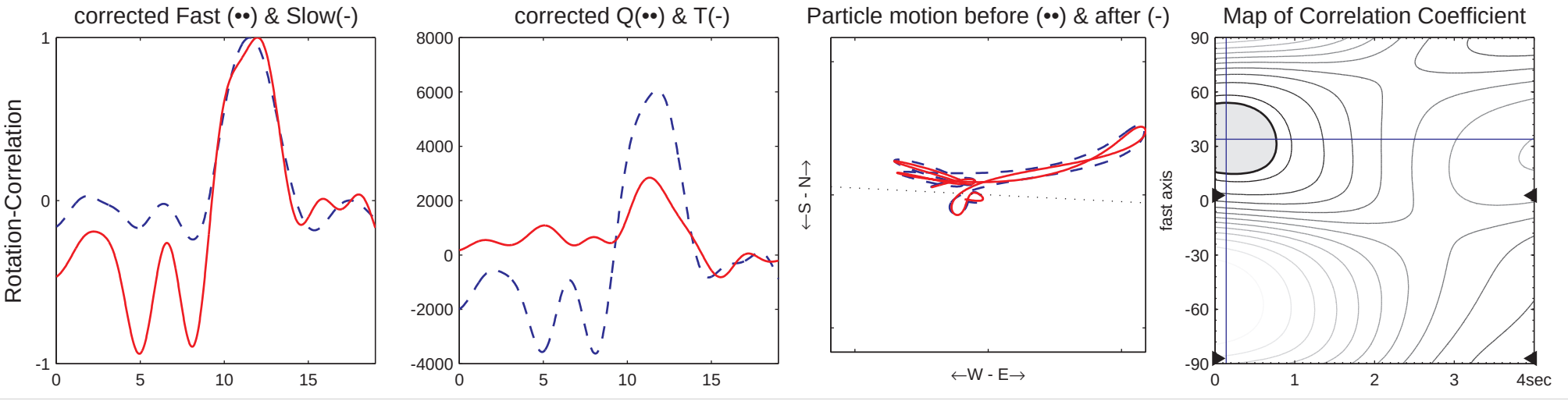


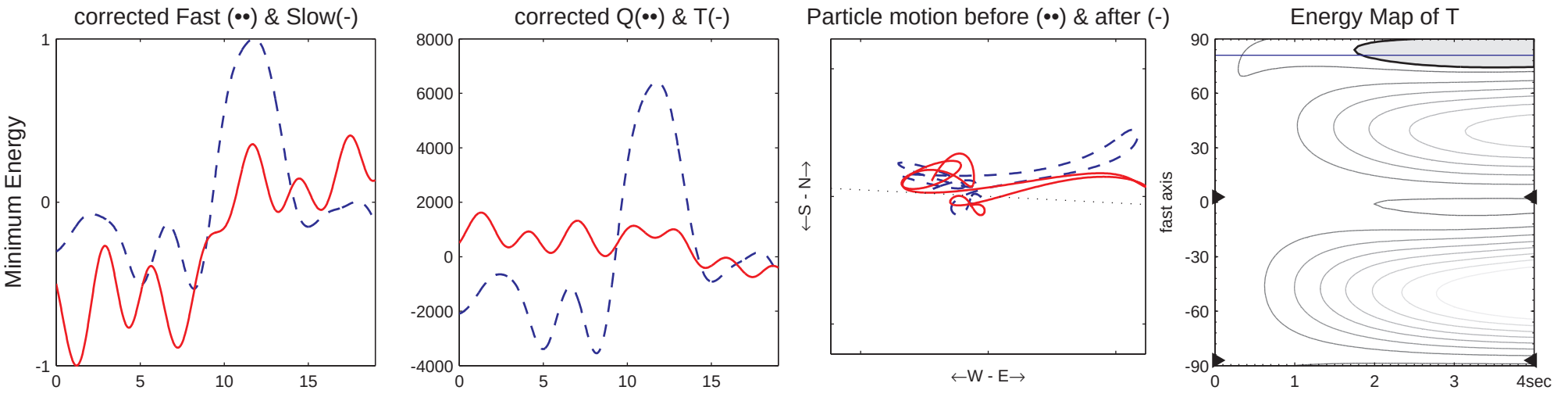
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **DARE** Backazimuth: **92.9”** Distance: **94.80”**
init.Pol.: **257.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.2**

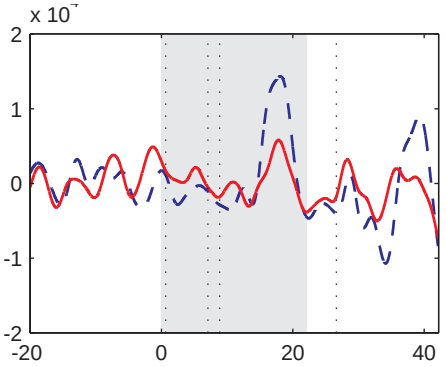
Rotation Correlation:	15<	34° <	54	0.0<0.1s<0.8
Minimum Energy:	74<	81° <	-92	1.8<4.0s<4.0
Eigenvalue:	-Inf<	-5° <	Inf	0.0<1.2s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





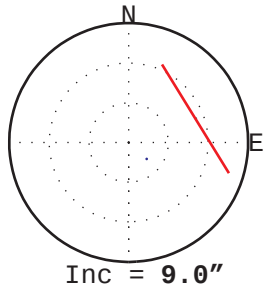


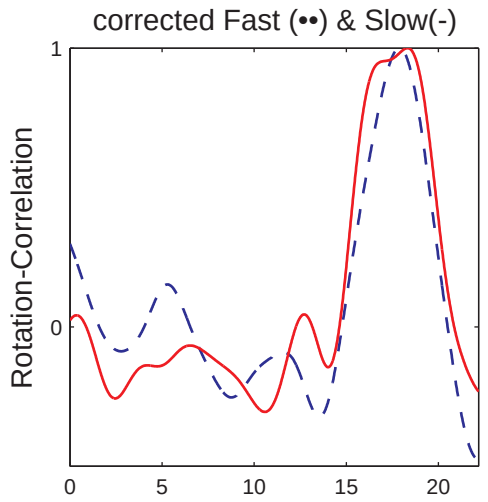


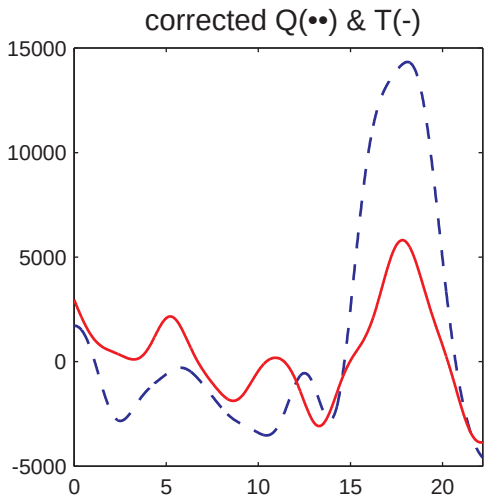
Event: **30-Sep-2007 (273) 02:08 10.46N 145.68E 14km Mw=7.1**
Station: **DARE** Backazimuth: **70.4”** Distance: **97.29”**
init.Pol.: **234.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

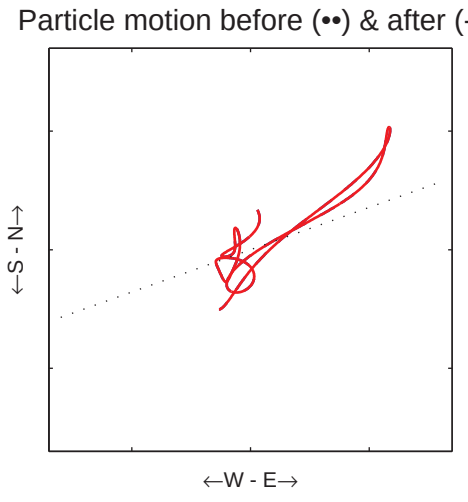
Rotation Correlation:	-3<	6° <	17	0.0<0.0s<0.2
Minimum Energy:	-35<	-32° <	-29	3.2<4.0s<4.0
Eigenvalue:	48<	50° <	56	2.4<4.0s<4.0

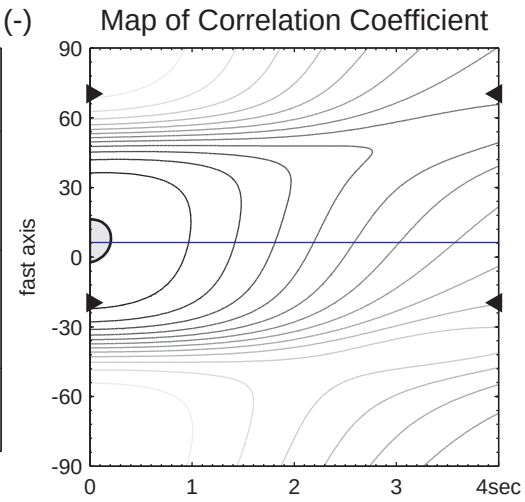
Quality: **good** IsNull: **Yes** Phase: **SKS**

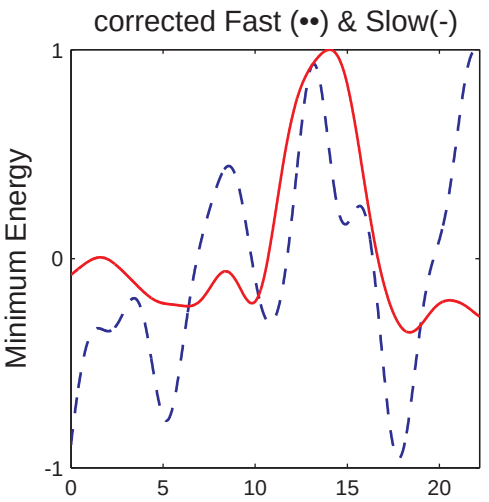


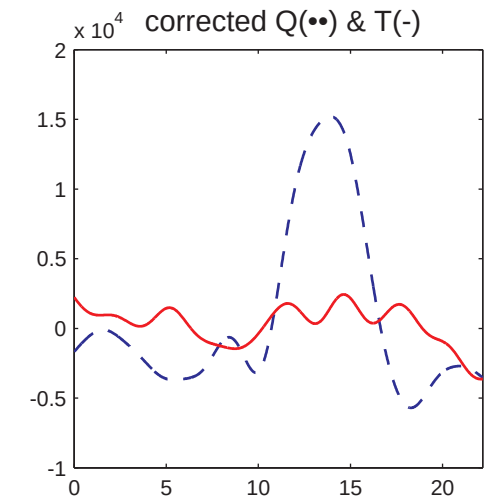


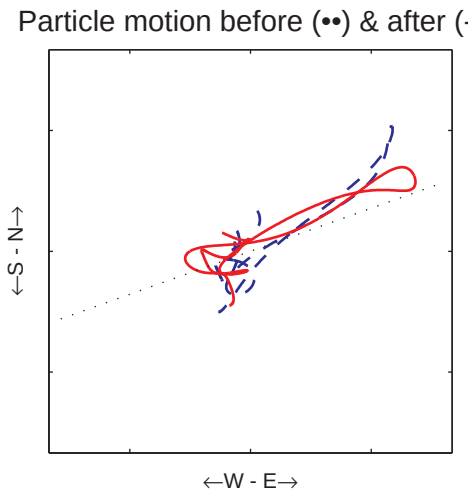


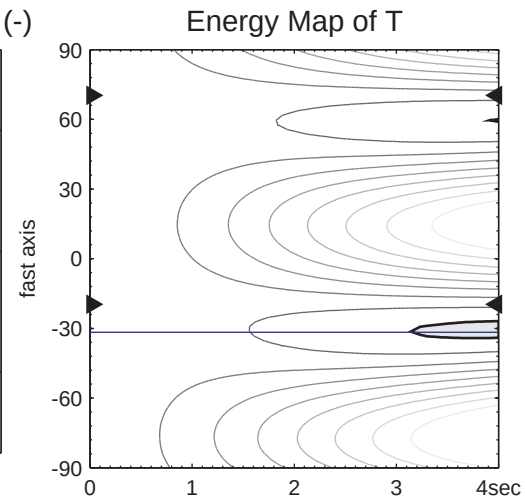


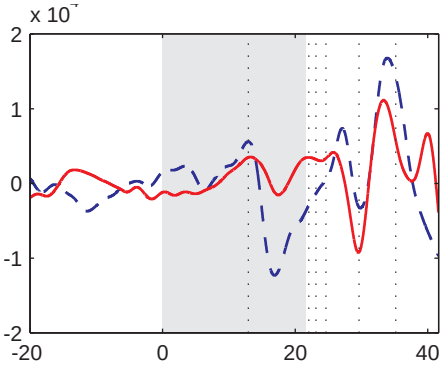








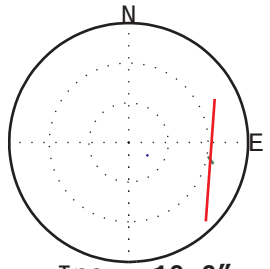




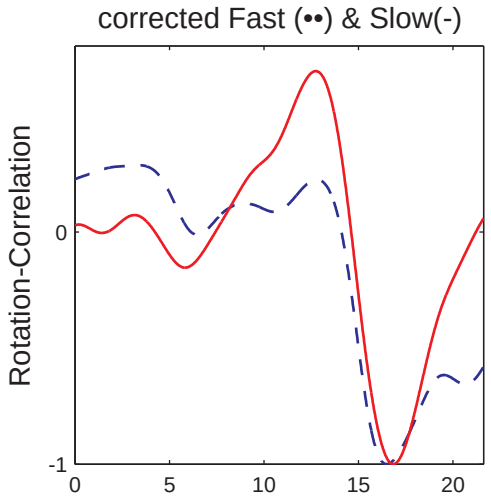
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **DARE** Backazimuth: **102.2”** Distance: **88.13”**
init.Pol.: **286.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.2**

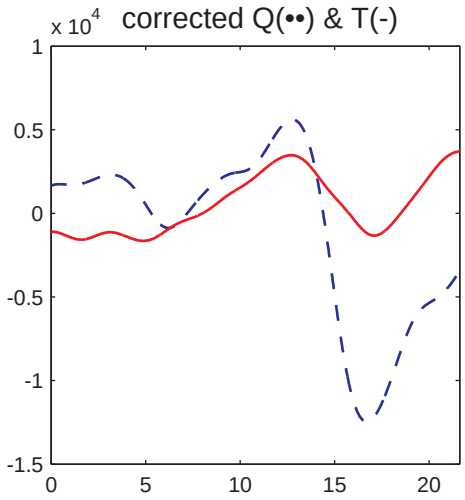
Rotation Correlation:	-50<	-37° <	-25 0.0<0.3s<0.8
Minimum Energy:	-13<	4° <	11 0.5<3.8s<4.0
Eigenvalue:	88<	-86° <	-80 3.3<4.0s<4.0

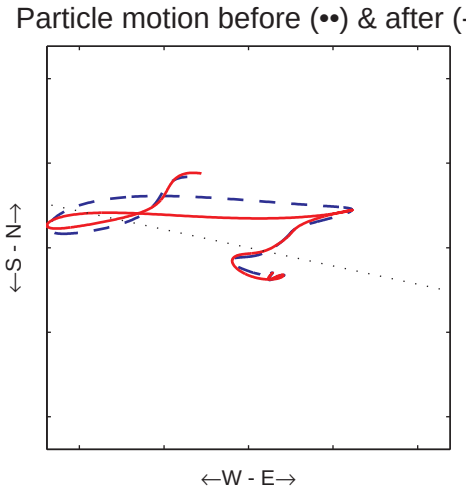
Quality: **good** IsNull: **Yes** Phase: **SKS**

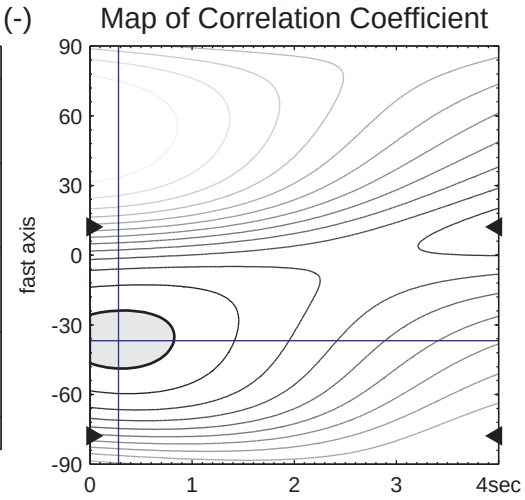


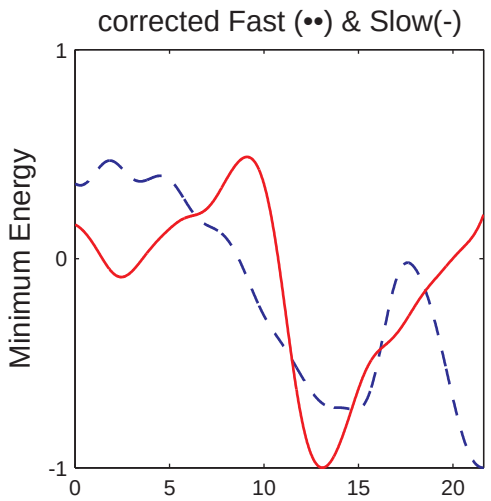
Inc = **10.6”**

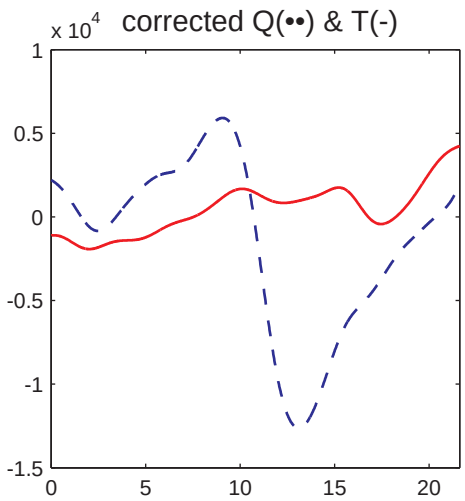


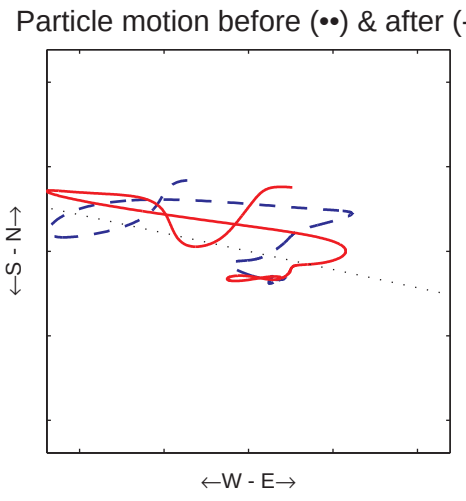


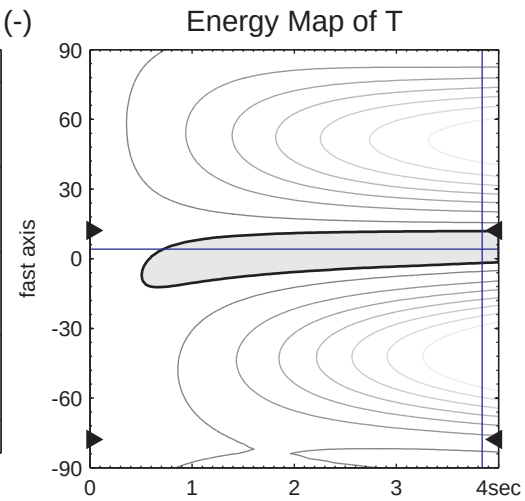


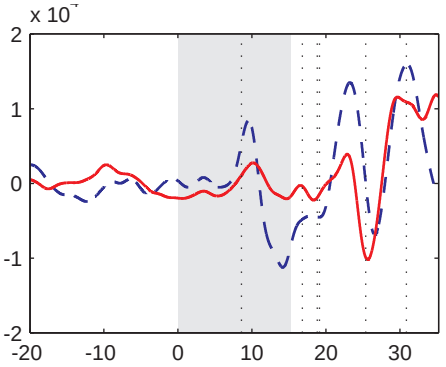








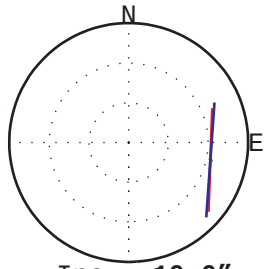




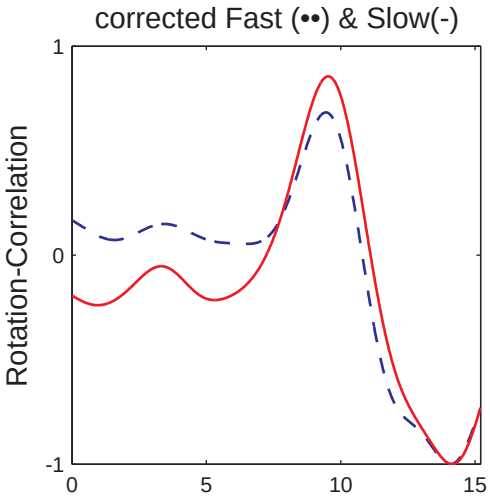
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **DARE** Backazimuth: **102.0”** Distance: **88.16”**
init.Pol.: **284.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.1**

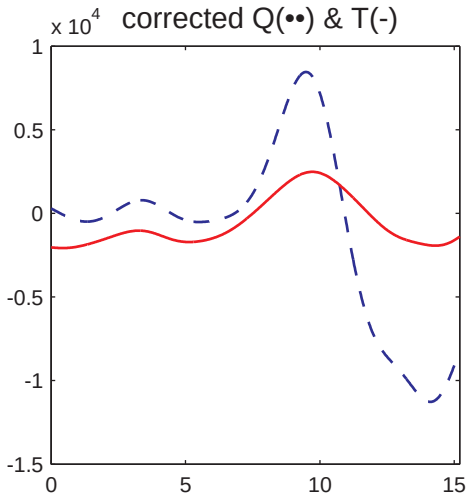
Rotation Correlation:	-67<	-44° < -21	0.0<0.1s<0.7
Minimum Energy:	-3<	2° < 9	1.4<3.2s<4.0
Eigenvalue:	-3<	4° < 11	2.3<3.6s<4.0

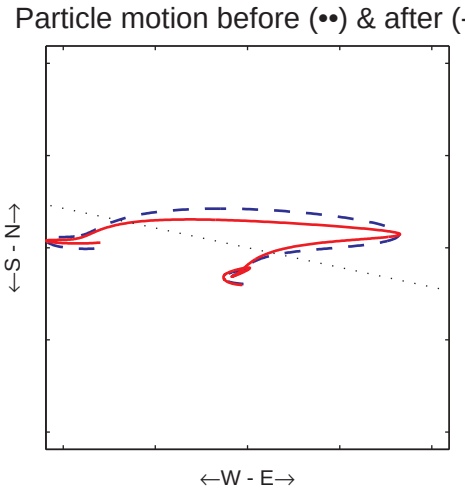
Quality: **good** IsNull: **Yes** Phase: **SKS**

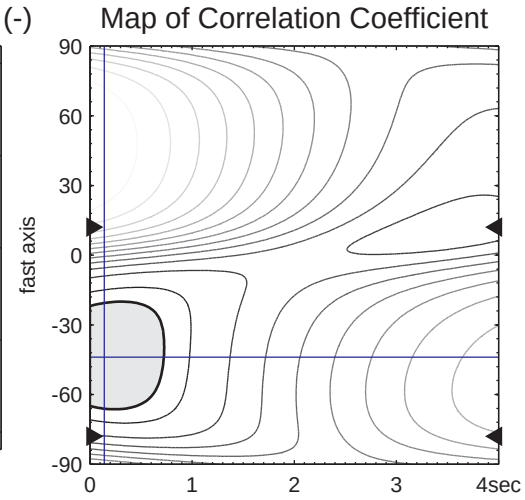


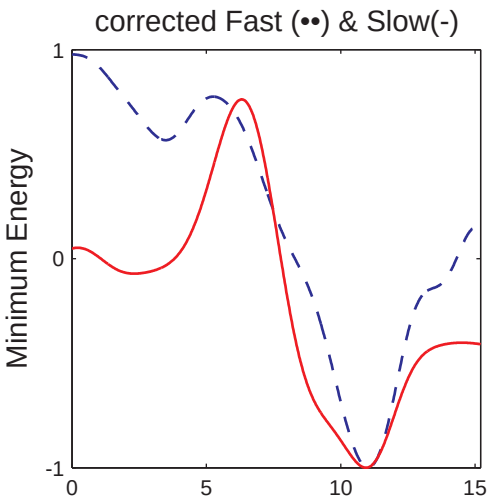
Inc = **10.6”**

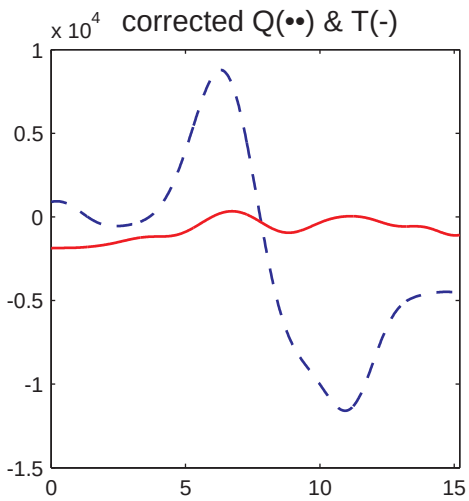


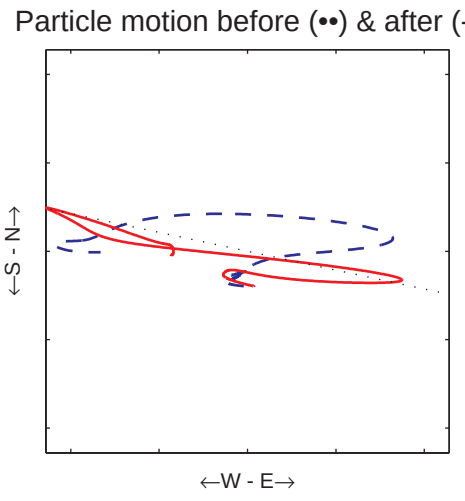


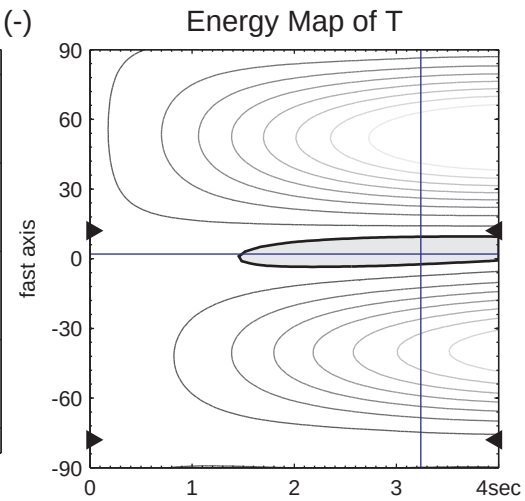


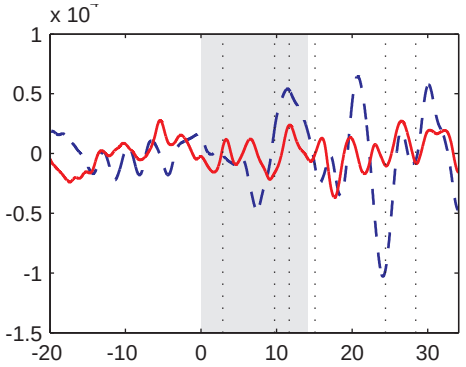








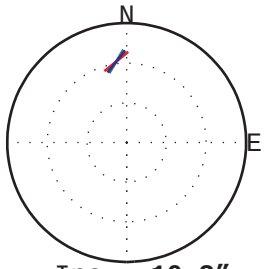




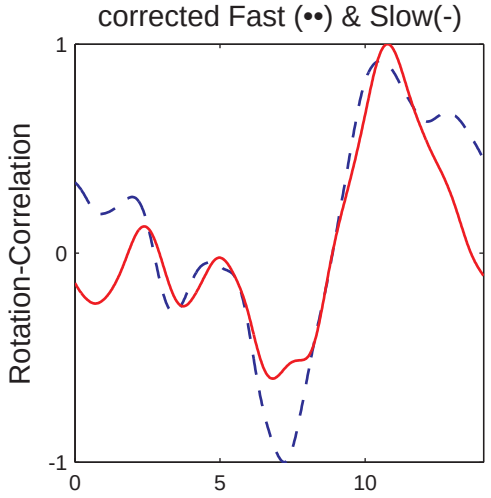
Event: **05-Jan-2008 (005) 11:01 51.25N -130.75E 15km Mw=6.6**
Station: **DARE** Backazimuth: **352.7”** Distance: **89.59”**
init.Pol.: **165.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

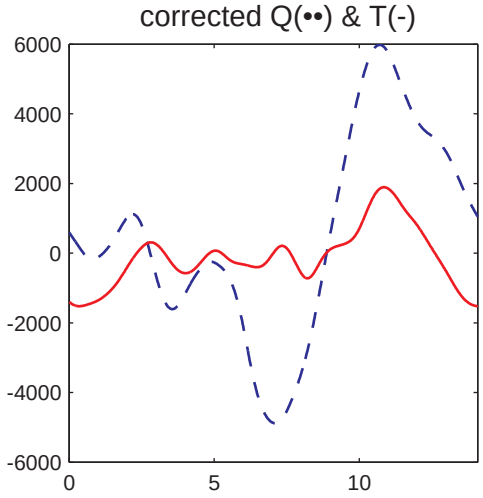
Rotation Correlation:	22<	31° <	43	0.6<0.9s<1.1
Minimum Energy:	29<	51° <	66	0.6<1.0s<1.4
Eigenvalue:	13<	39° <	60	0.6<0.9s<1.2

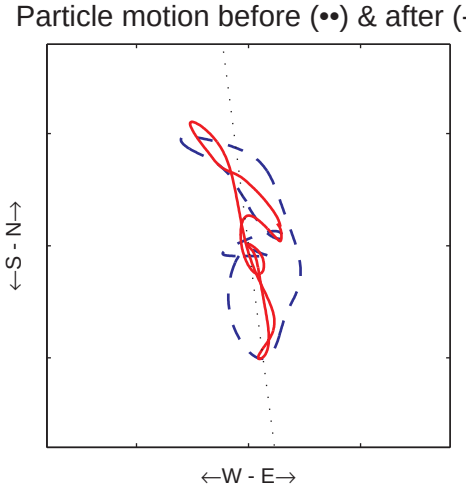
Quality: **fair** IsNull: **No** Phase: **SKS**

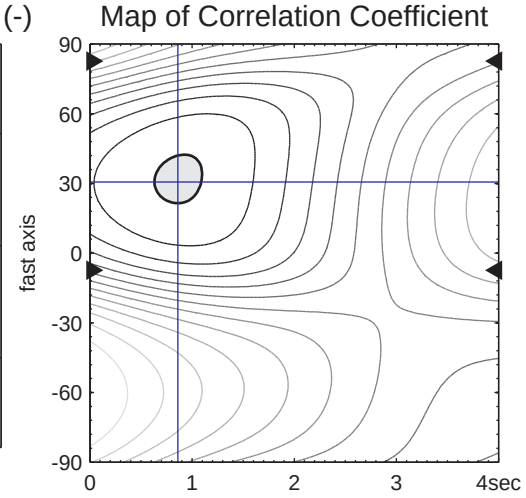


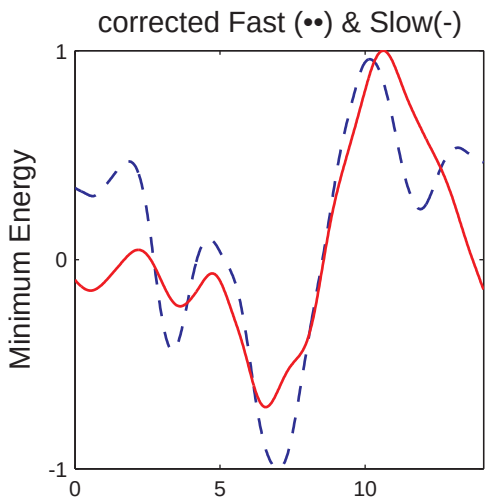
Inc = **10.3”**

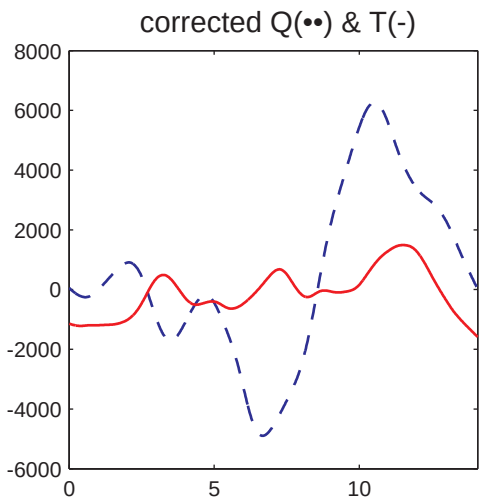


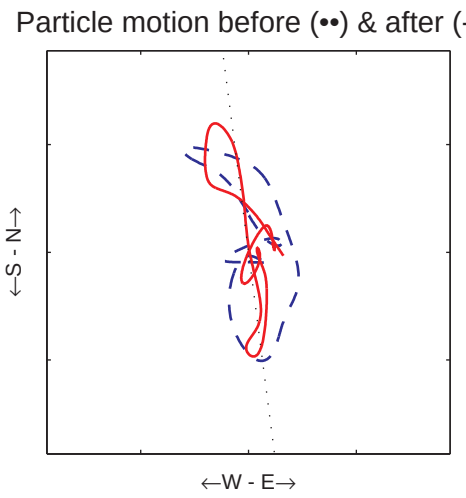


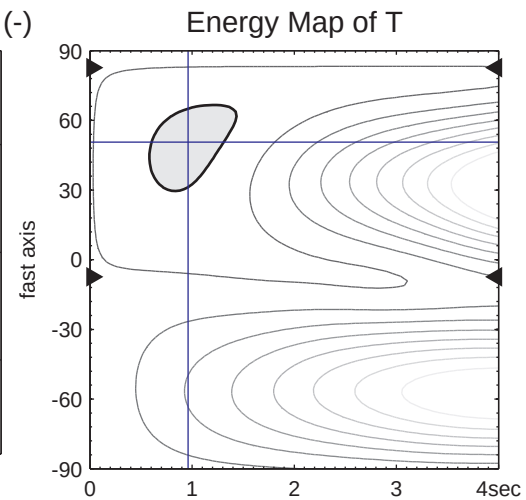


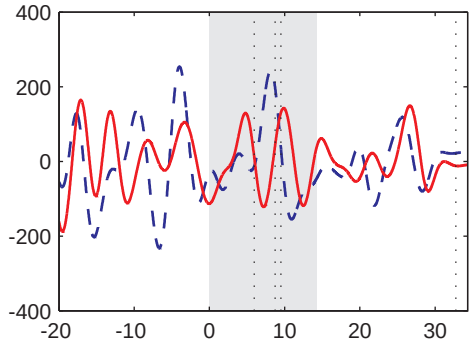








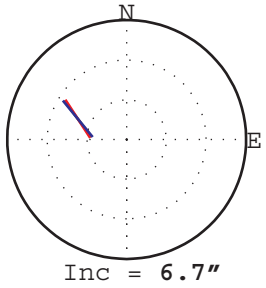


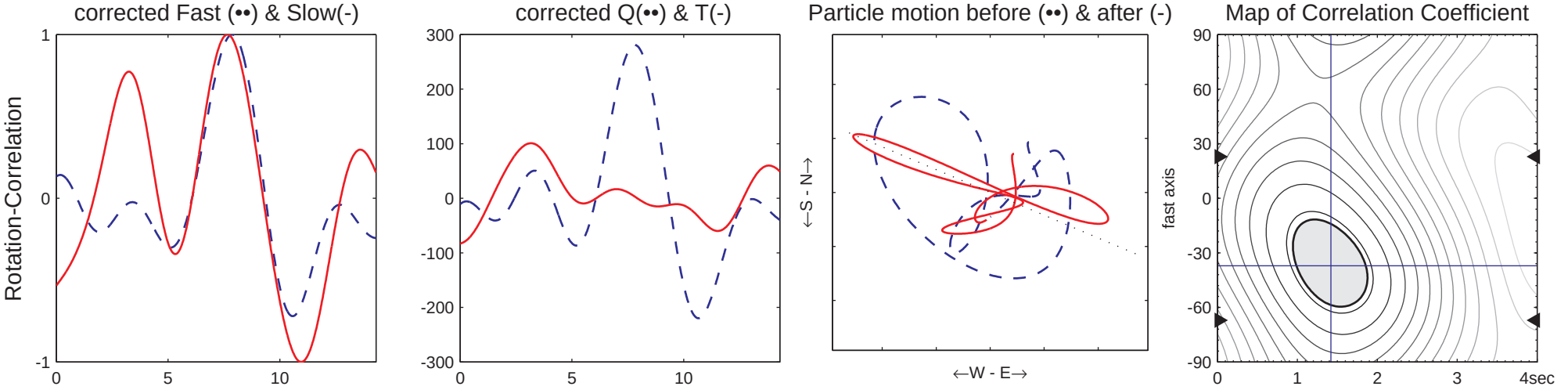


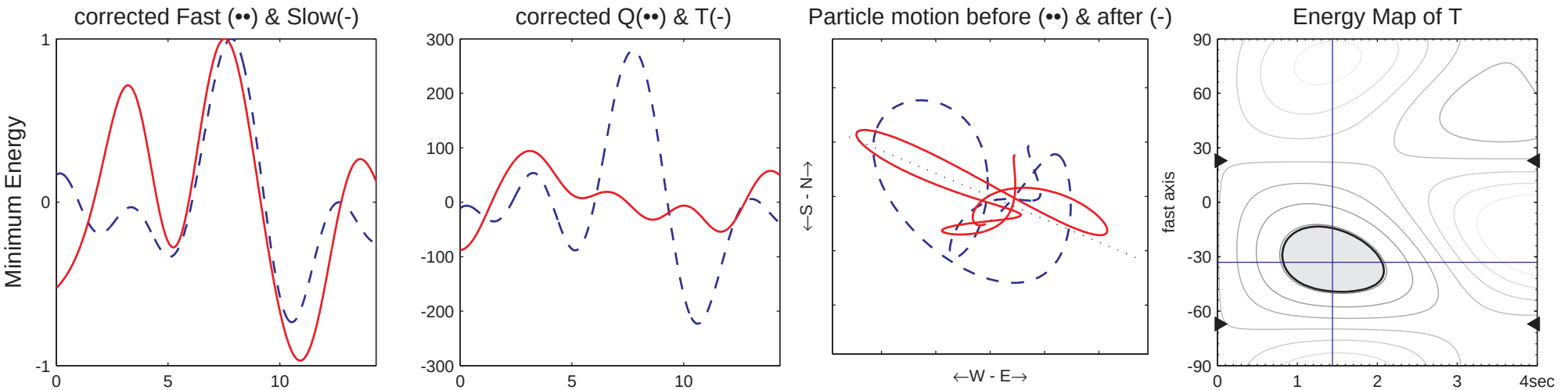
Event: **10-May-2009 (130) 01:16** **1.39N -85.17E** **6km** Mw=**6.1**
Station: **DARE** Backazimuth: **292.9”** Distance: **113.99”**
init.Pol.: **104.9”** Filter: **0.010Hz - 0.30Hz** SNR_{SC}: **3.1**

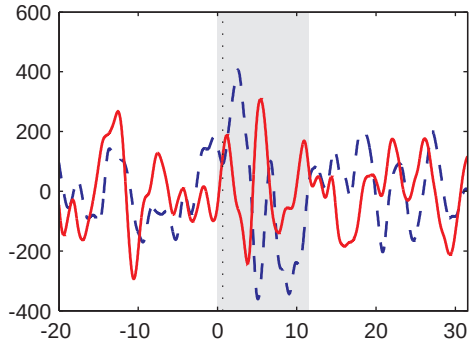
Rotation Correlation:	-61<	-37° <	-13 1.0<1.4s<1.9
Minimum Energy:	-52<	-33° <	-15 0.8<1.4s<2.1
Eigenvalue:	-68<	-39° <	-11 0.9<1.5s<2.1

Quality: **fair** IsNull: **No** Phase: **SKS**





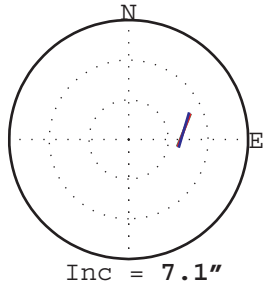


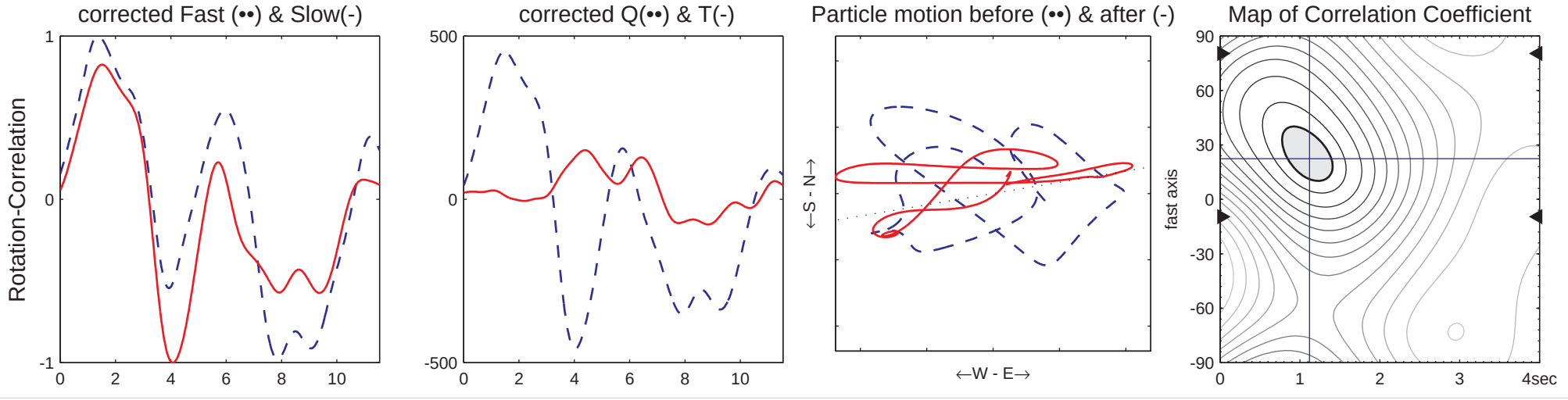


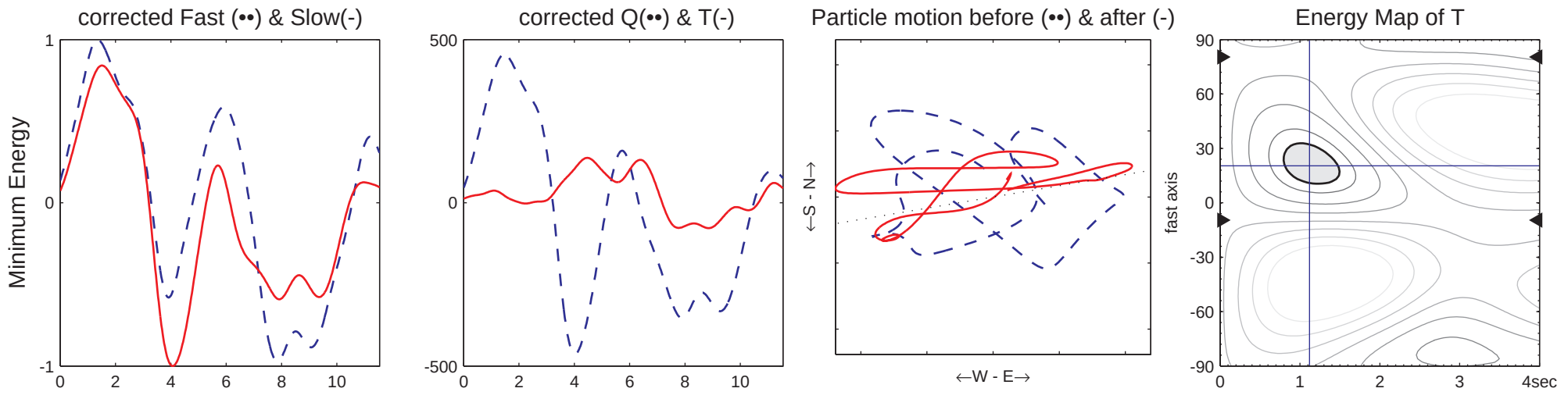
Event: **12-May-2009 (132) 01:26 -5.66N 149.54E 89km** Mw=**6.1**
Station: **DARE** Backazimuth: **80.4”** Distance: **110.72”**
init.Pol.: **256.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

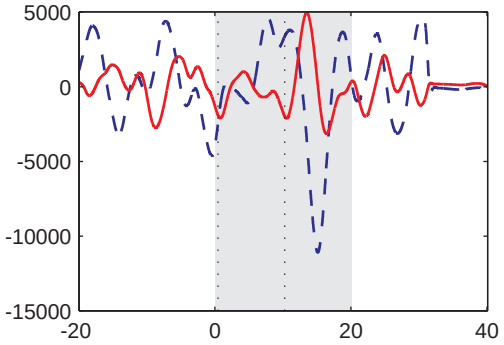
Rotation Correlation:	11<	22° <	40	0.8<1.1s<1.4
Minimum Energy:	11<	20° <	33	0.8<1.1s<1.5
Eigenvalue:	3<	16° <	33	0.8<1.2s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





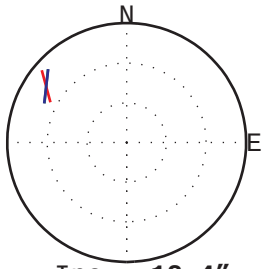




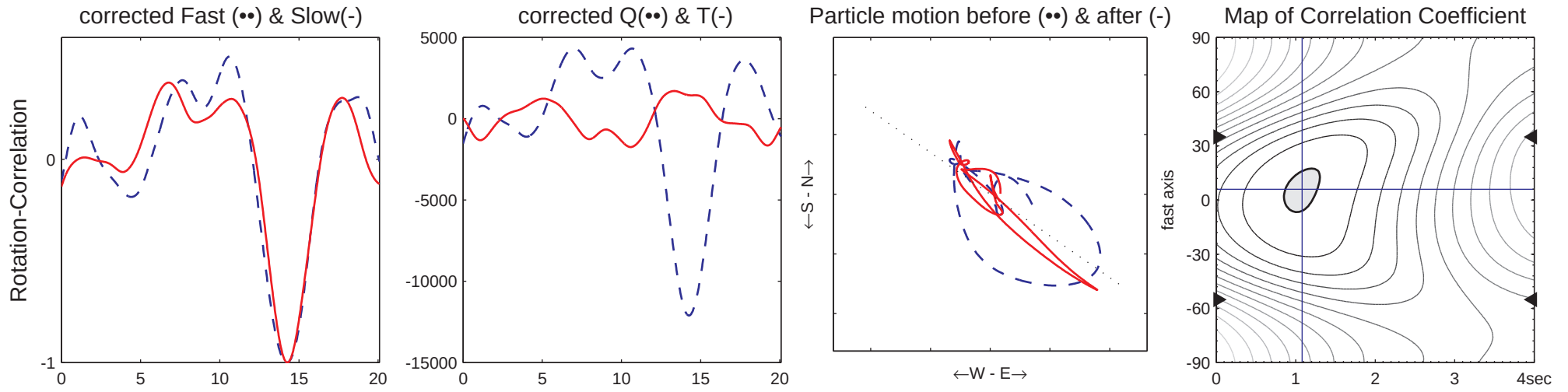
Event: **28-May-2009 (148) 08:24 16.73N -86.22E 19km Mw=7.3**
Station: **DARE** Backazimuth: **304.9”** Distance: **103.65”**
init.Pol.: **135.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.0**

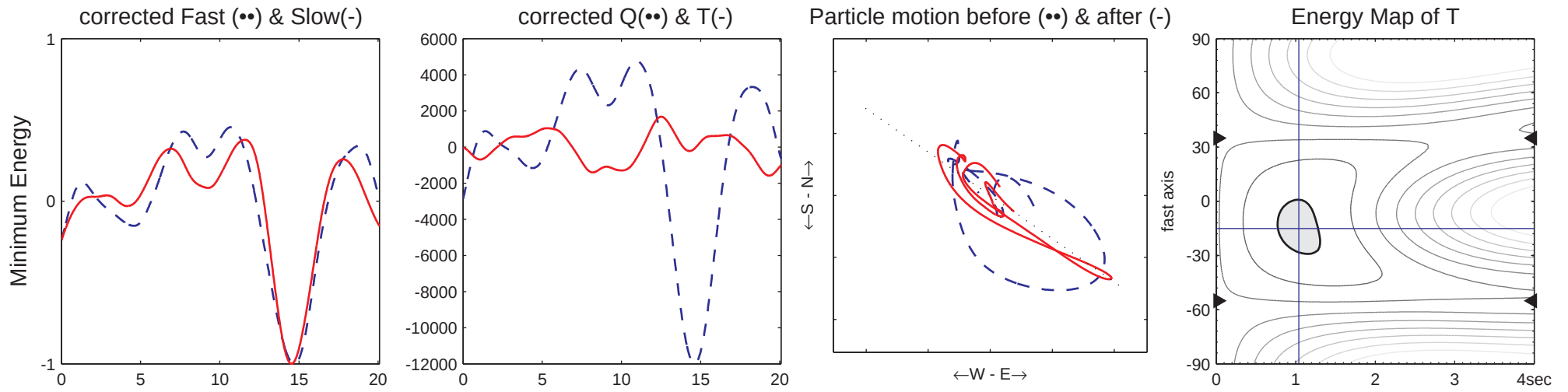
Rotation Correlation:	-7<	6° <	18	0.8<1.1s<1.3
Minimum Energy:	-31<	-15° <	-1	0.8<1.0s<1.3
Eigenvalue:	-13<	7° <	23	0.8<1.1s<1.4

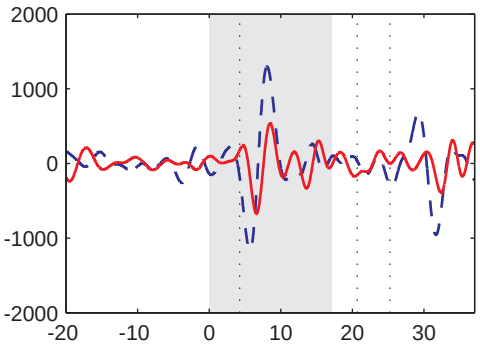
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.4”**



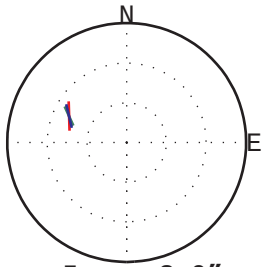




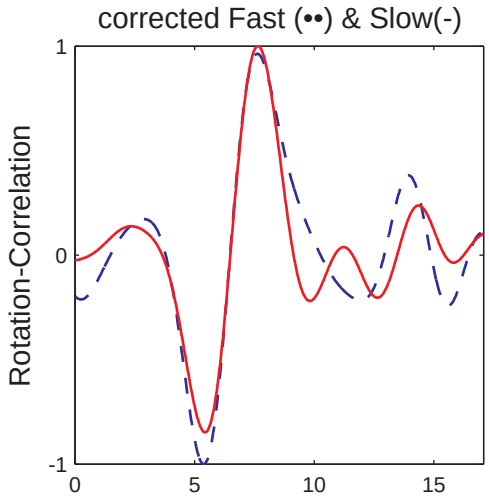
Event: **04-Jul-2009 (185) 06:49 9.59N -78.97E 38km Mw=6.1**
Station: **DARE** Backazimuth: **294.6”** Distance: **103.86”**
init.Pol.: **106.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

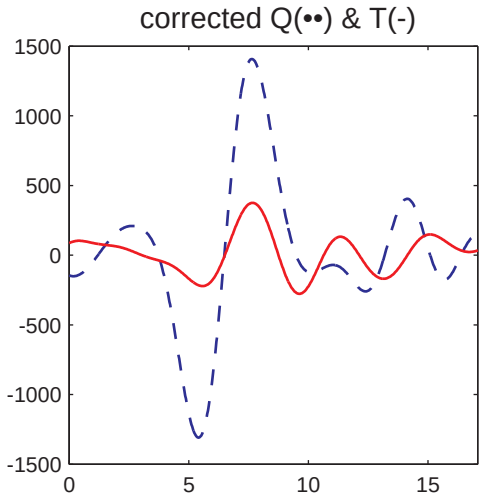
Rotation Correlation:	-40<	-24° < -13	0.5<0.7s<0.8
Minimum Energy:	-15<	-1° < 5	0.7<0.9s<1.2
Eigenvalue:	-37<	-13° < -1	0.5<0.8s<1.1

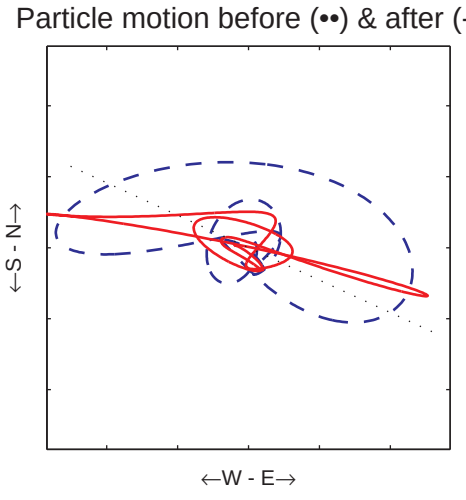
Quality: **fair** IsNull: **No** Phase: **SKS**

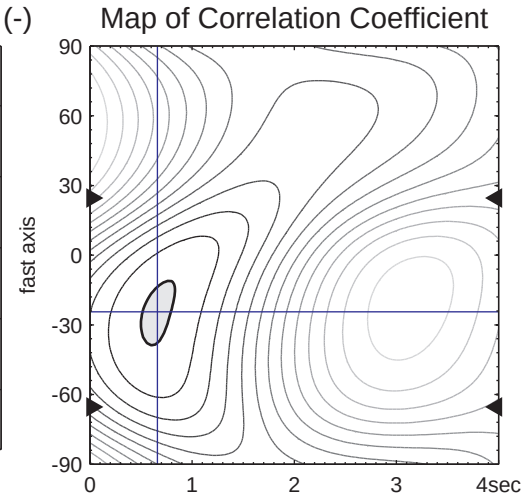


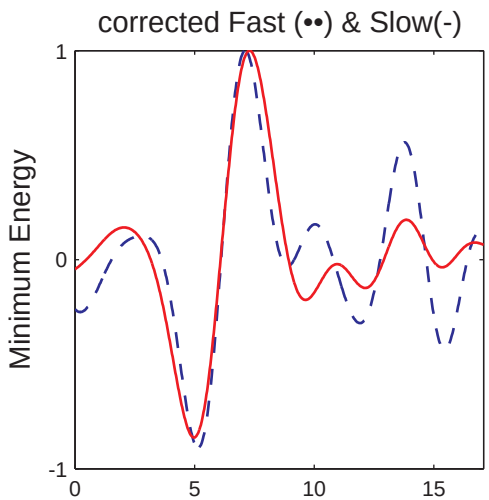
Inc = **8.0”**

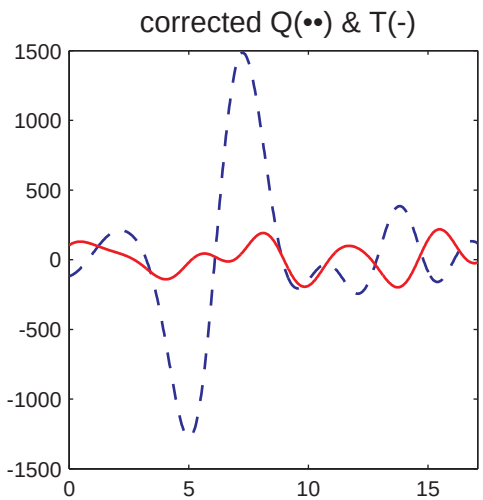


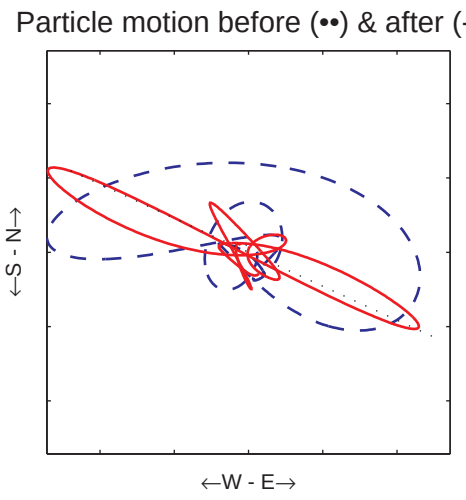


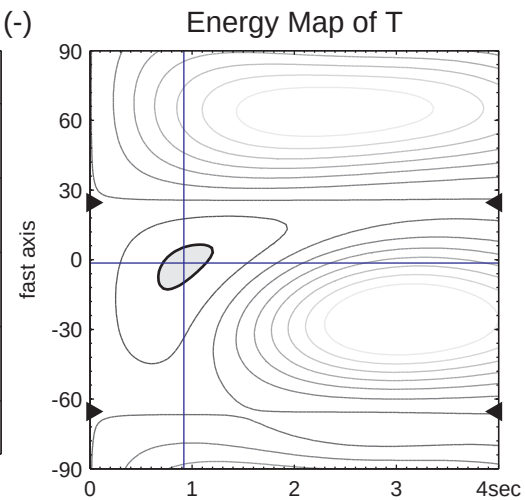


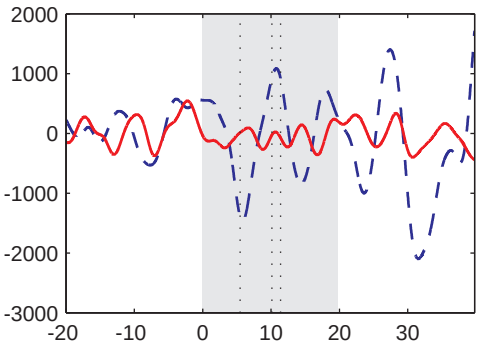








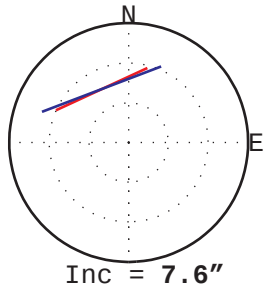


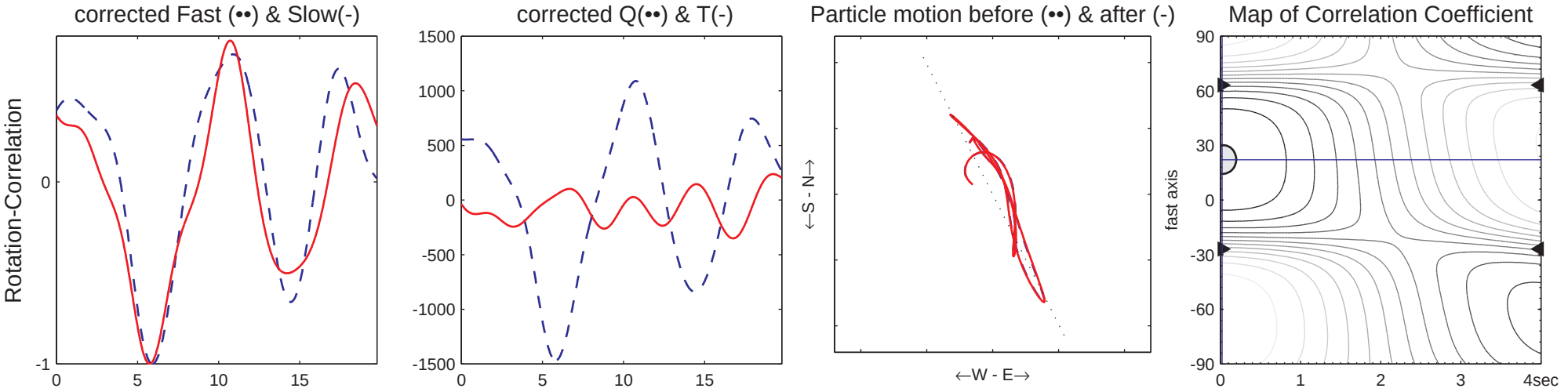


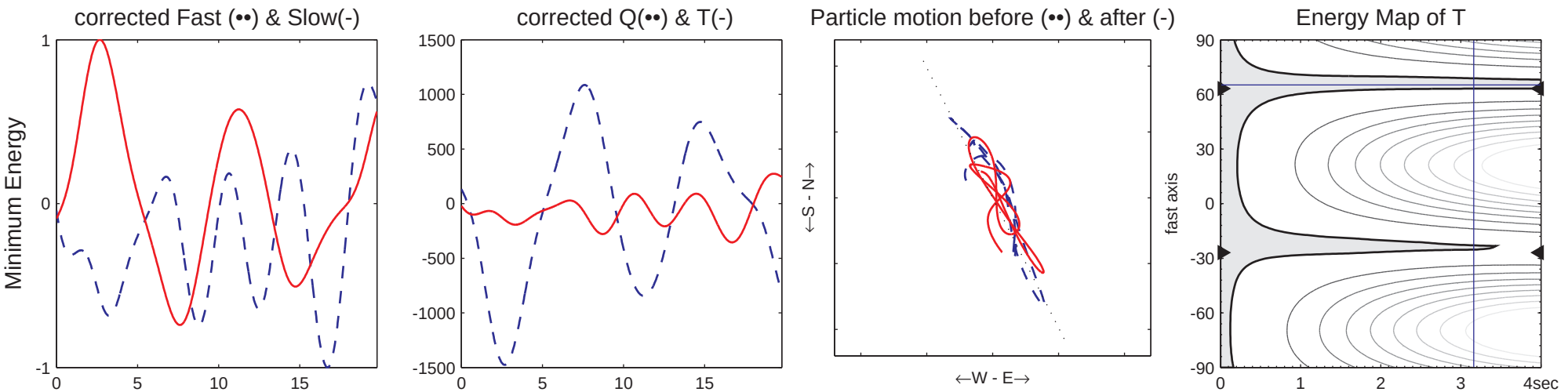
Event: **03-Aug-2009 (215) 17:59 29.04N -112.90E 10km Mw=6.9**
Station: **DARE** Backazimuth: **333.1”** Distance: **106.95”**
init.Pol.: **162.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

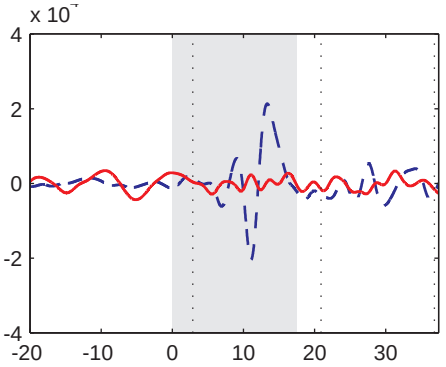
Rotation Correlation:	15<	22° <	30	0.0<0.0s<0.2
Minimum Energy:	-Inf<	65° <	Inf	0.0<3.2s<Inf
Eigenvalue:	-Inf<	69° <	Inf	0.0<4.0s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





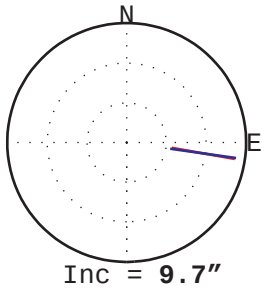


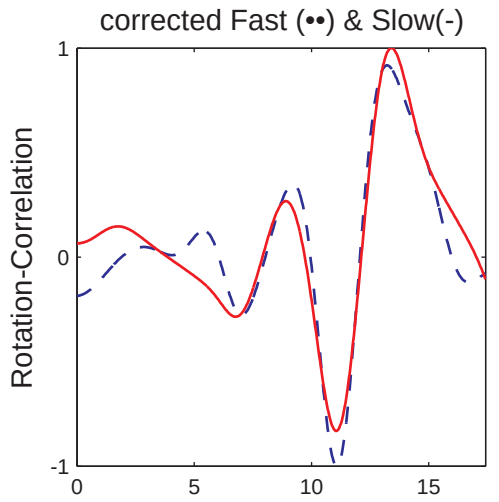


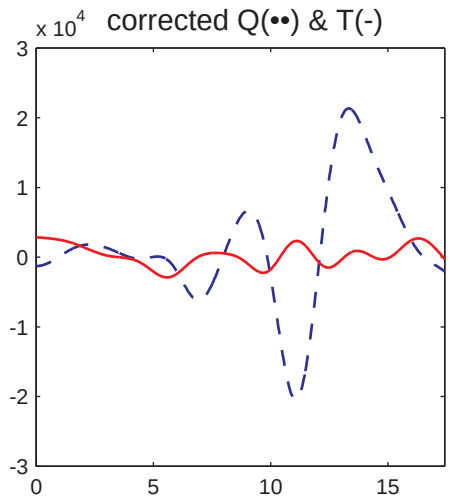
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **DARE** Backazimuth: **98.1”** Distance: **91.30”**
init.Pol.: **274.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

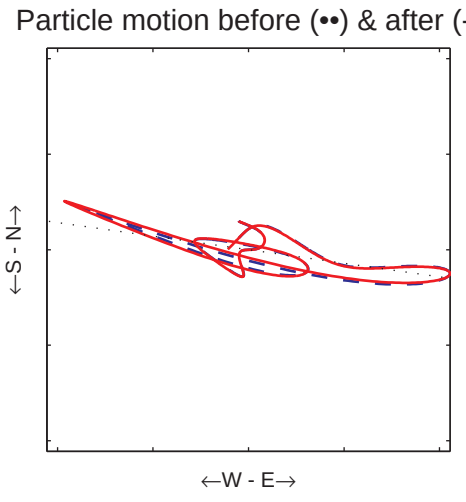
Rotation Correlation:	-45<	-36° <	-28	0.0<0.0s<0.1
Minimum Energy:	-84<	-80° <	-80	0.6<2.0s<4.0
Eigenvalue:	-88<	-82° <	-82	1.2<2.1s<3.4

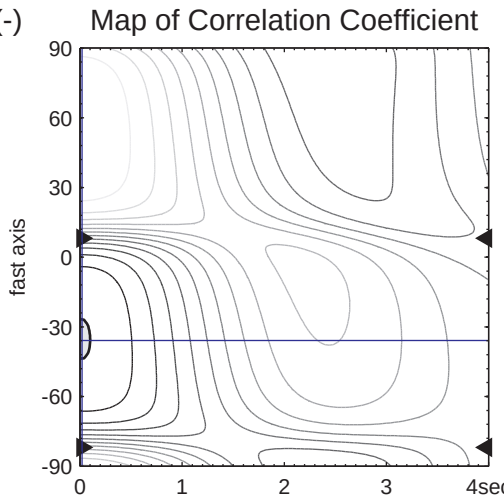
Quality: **good** IsNull: **Yes** Phase: **SKS**

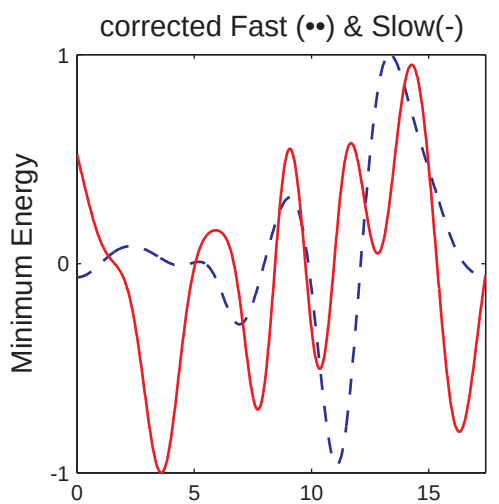


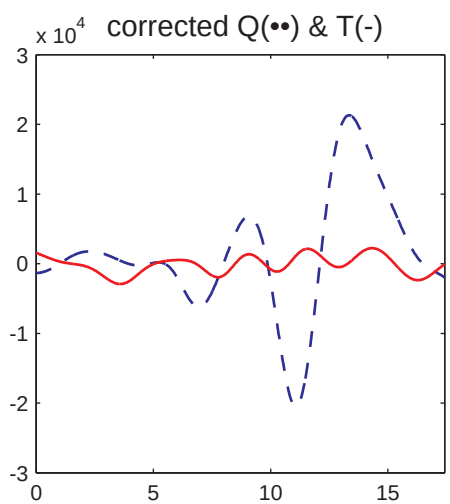


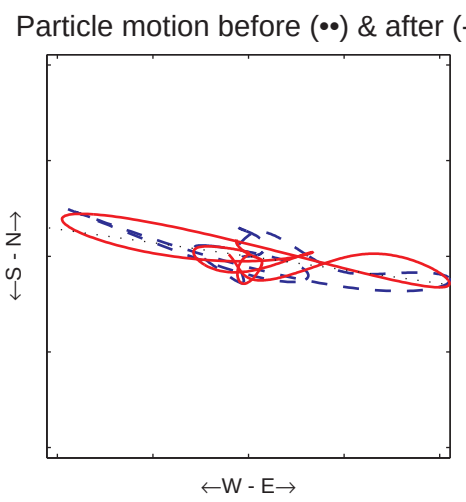


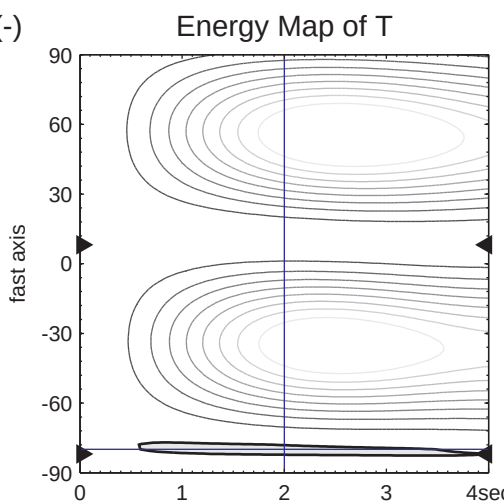


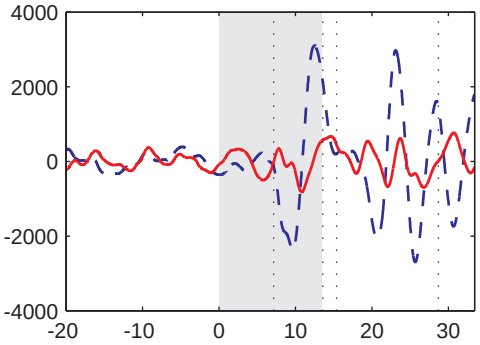








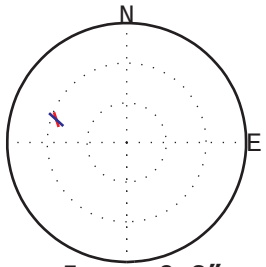


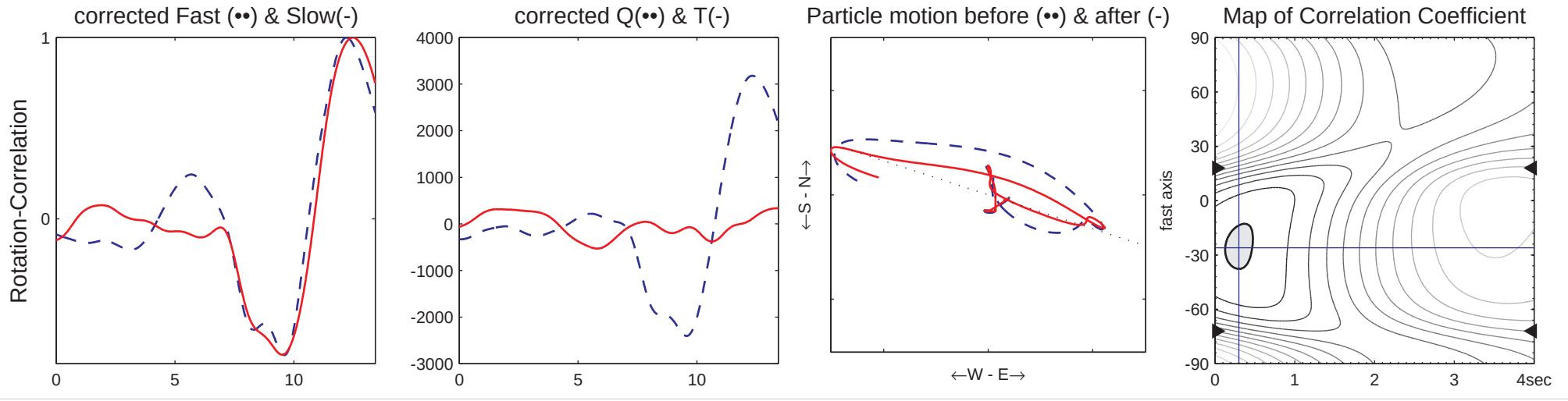


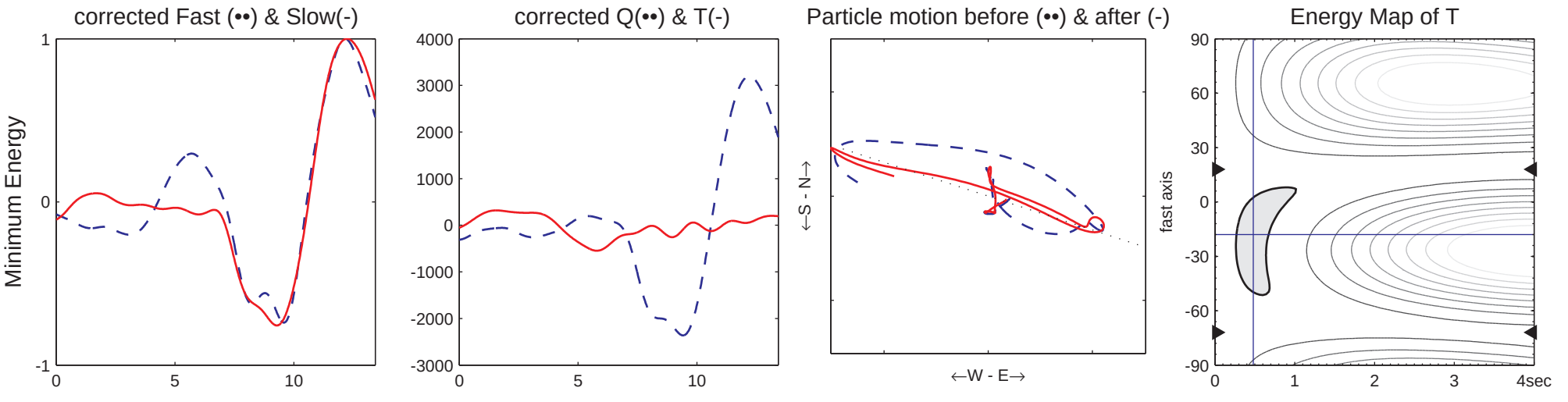
Event: **12-Sep-2009 (255) 20:06 10.71N -67.93E 14km Mw=6.4**
Station: **DARE** Backazimuth: **288.0”** Distance: **95.06”**
init.Pol.: **103.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.8**

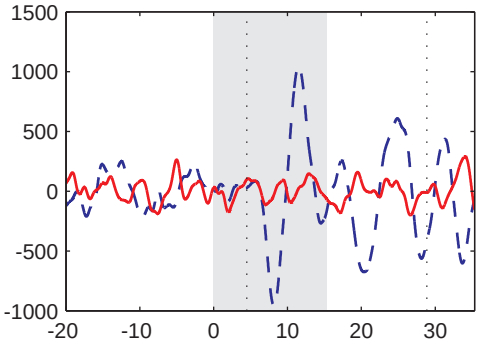
Rotation Correlation:	-39<	-26° < -14	0.1<0.3s<0.5
Minimum Energy:	-54<	-18° < 5	0.3<0.5s<1.0
Eigenvalue:	-76<	-48° < 1	0.3<0.6s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





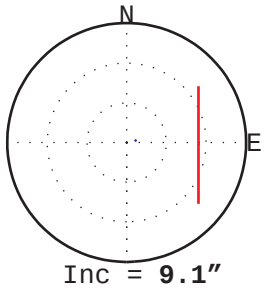


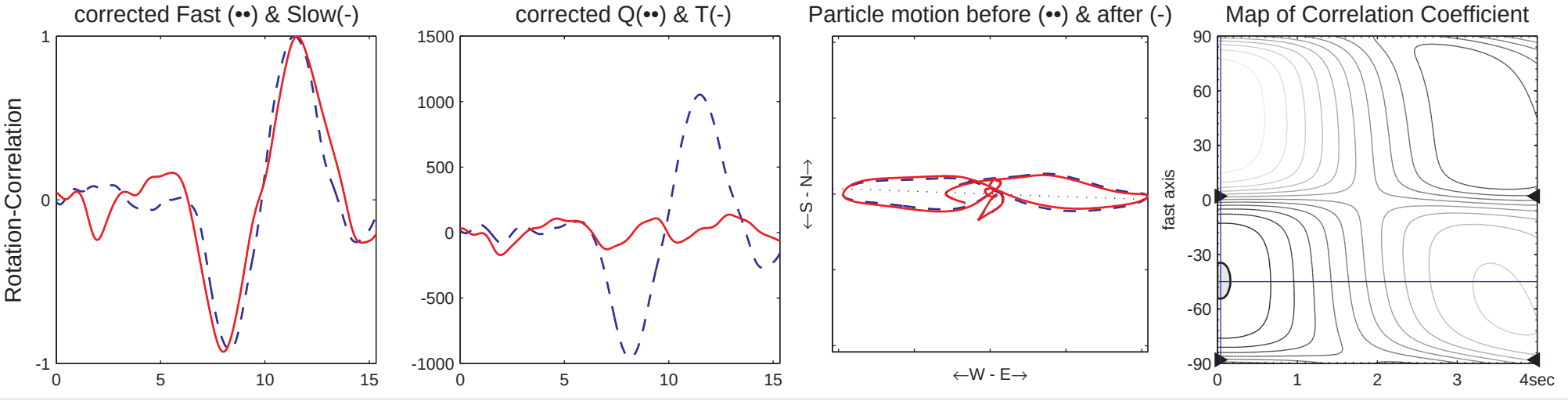


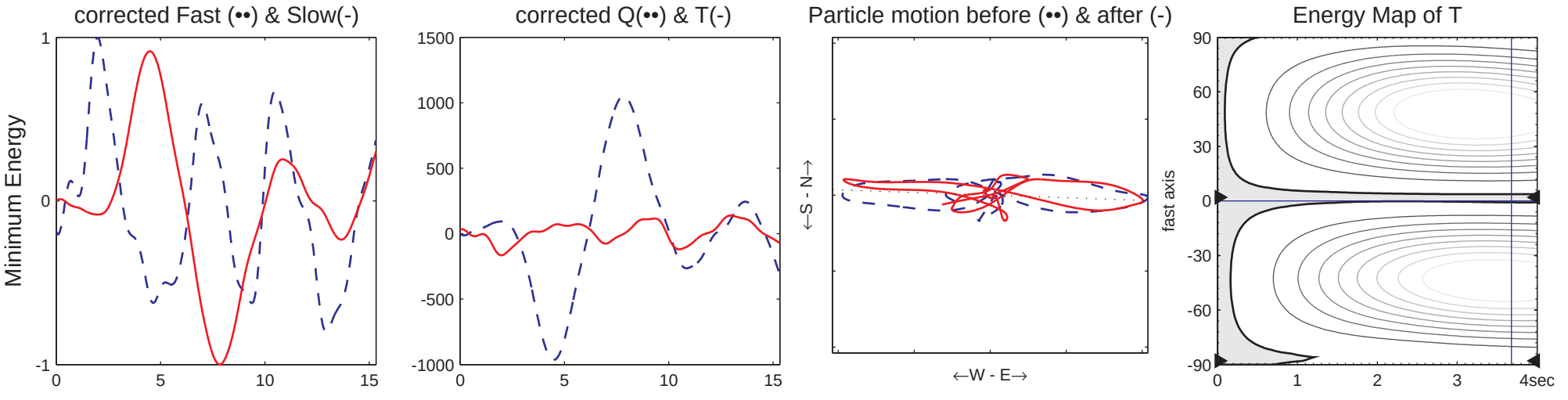
Event: **26-Dec-2009 (360) 08:57 -5.53N 131.21E 85km Mw=6.1**
Station: **DARE** Backazimuth: **92.0”** Distance: **96.35”**
init.Pol.: **280.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.0**

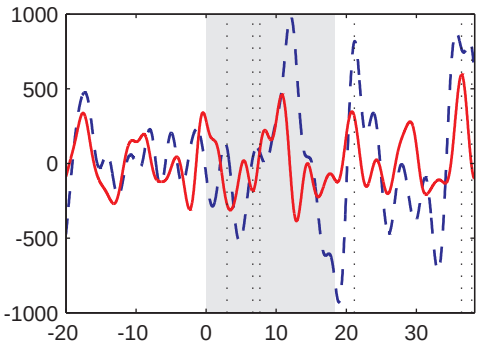
Rotation Correlation:	-56<	-45° < -36	0.0<0.0s<0.2
Minimum Energy:	-Inf<	0° < Inf	0.0<3.7s<Inf
Eigenvalue:	5<	-86° < -3	0.1<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





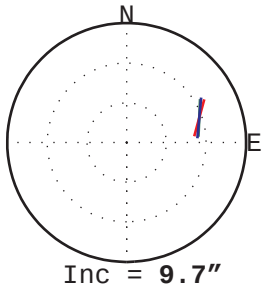


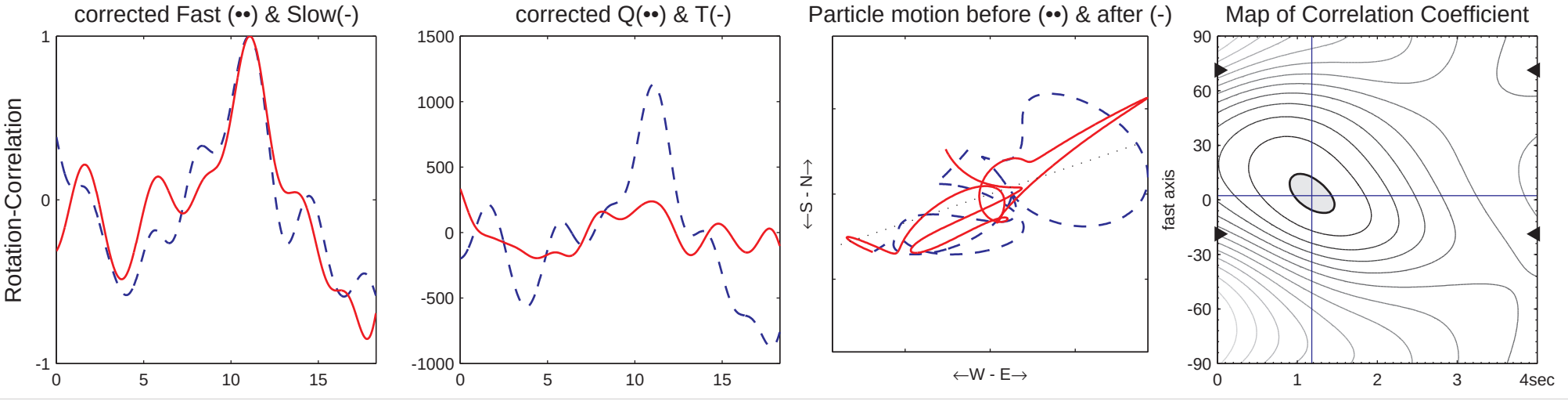


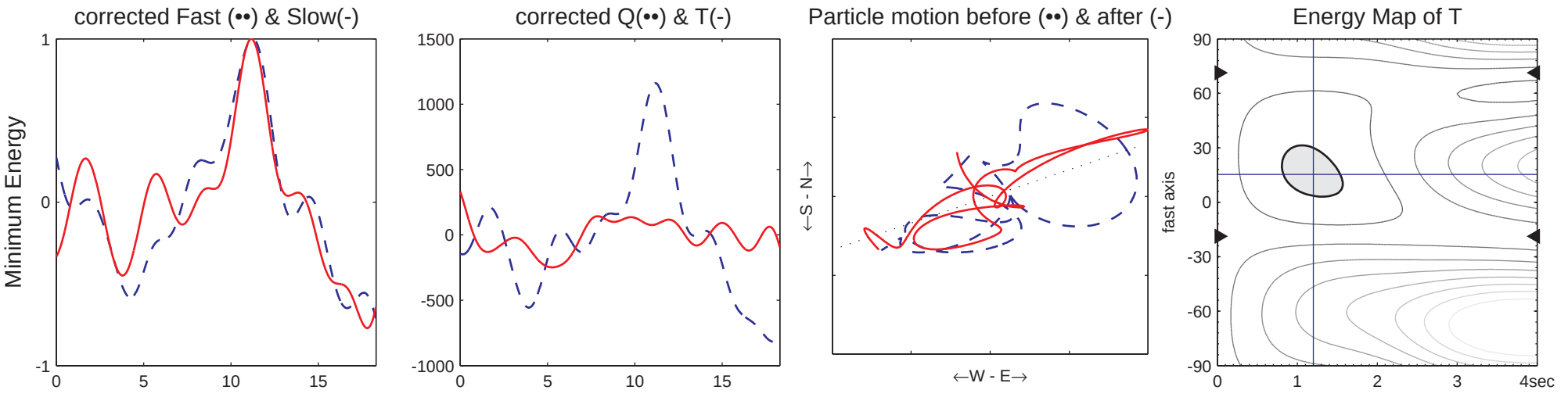
Event: **02-Jan-2010 (002) 08:45 12.42N 141.95E 8km Mw=6.1**
Station: **DARE** Backazimuth: **71.3”** Distance: **93.24”**
init.Pol.: **242.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

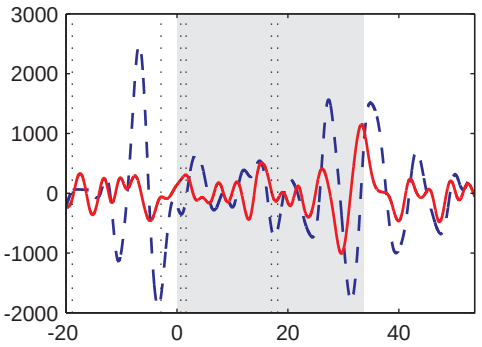
Rotation Correlation:	-8<	2° <	15	0.9<1.2s<1.5
Minimum Energy:	3<	15° <	31	0.8<1.2s<1.6
Eigenvalue:	-9<	5° <	21	0.9<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





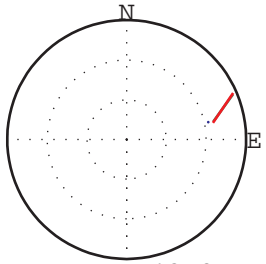




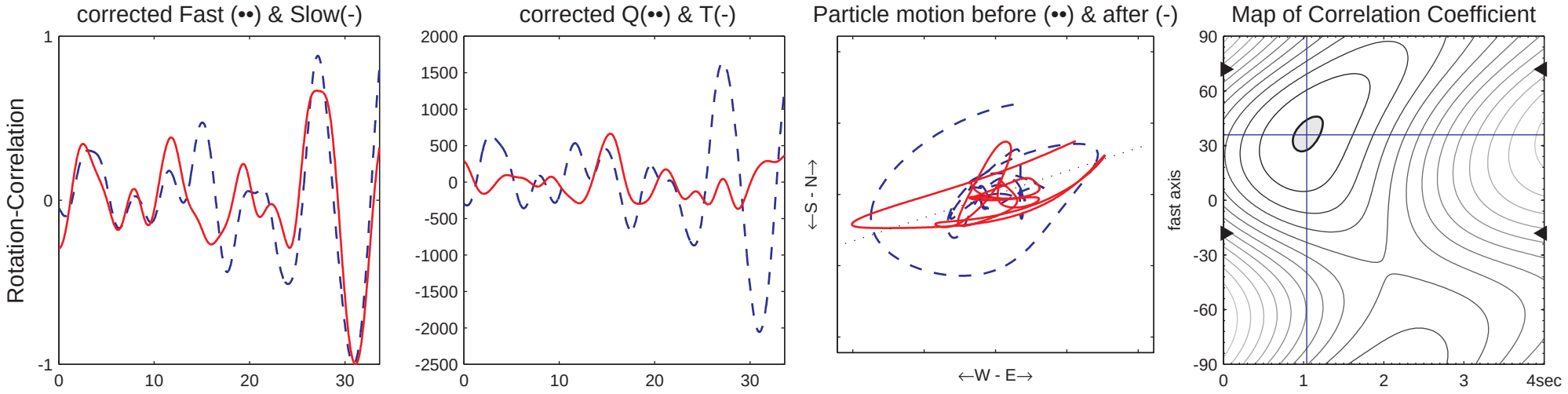
Event: **14-Jan-2010 (014) 14:03 11.51N 142.08E 37km** Mw=**5.8**
Station: **DARE** Backazimuth: **71.9”** Distance: **93.94”**
init.Pol.: **258.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.6**

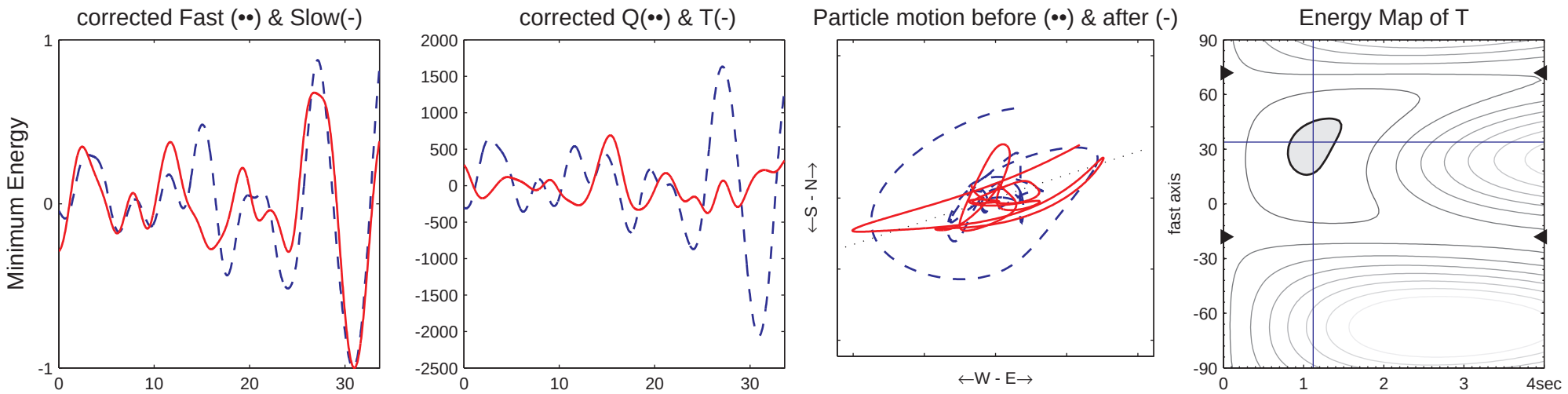
Rotation Correlation:	27<	36° <	46	0.9<1.0s<1.2
Minimum Energy:	15<	34° <	48	0.8<1.1s<1.5
Eigenvalue:	5<	46° <	72	0.8<1.3s<2.1

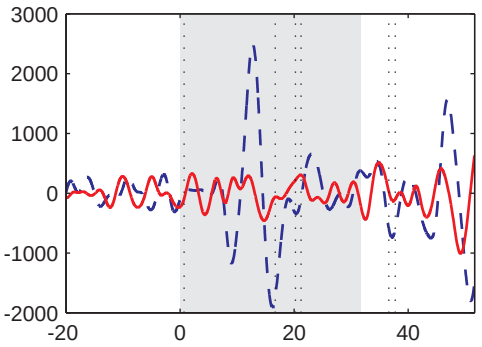
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.8”**



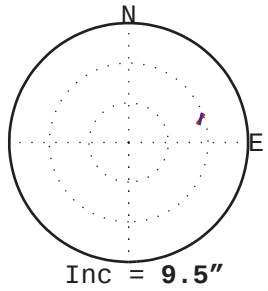


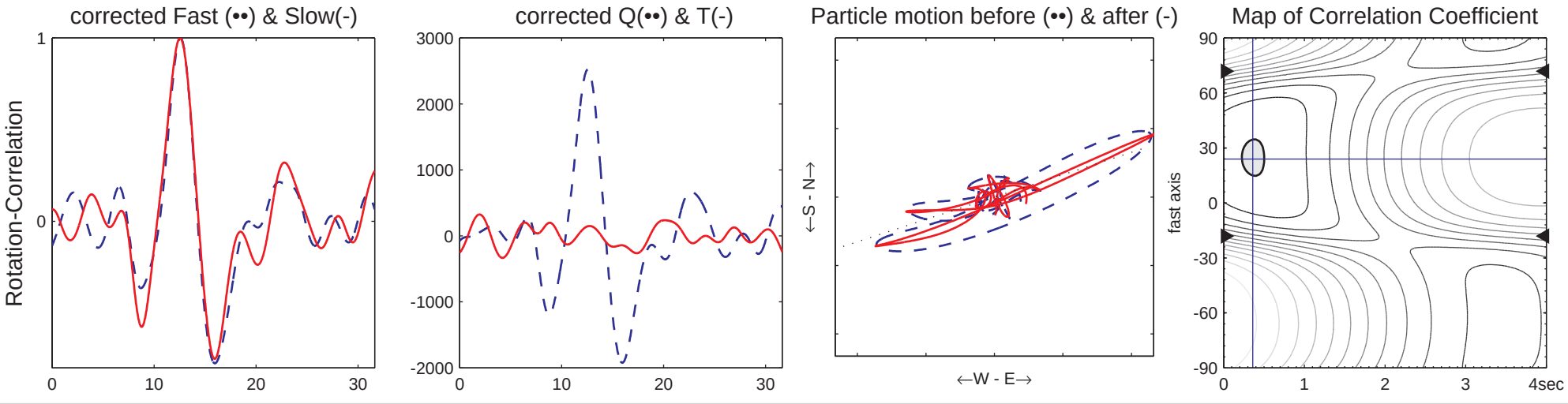


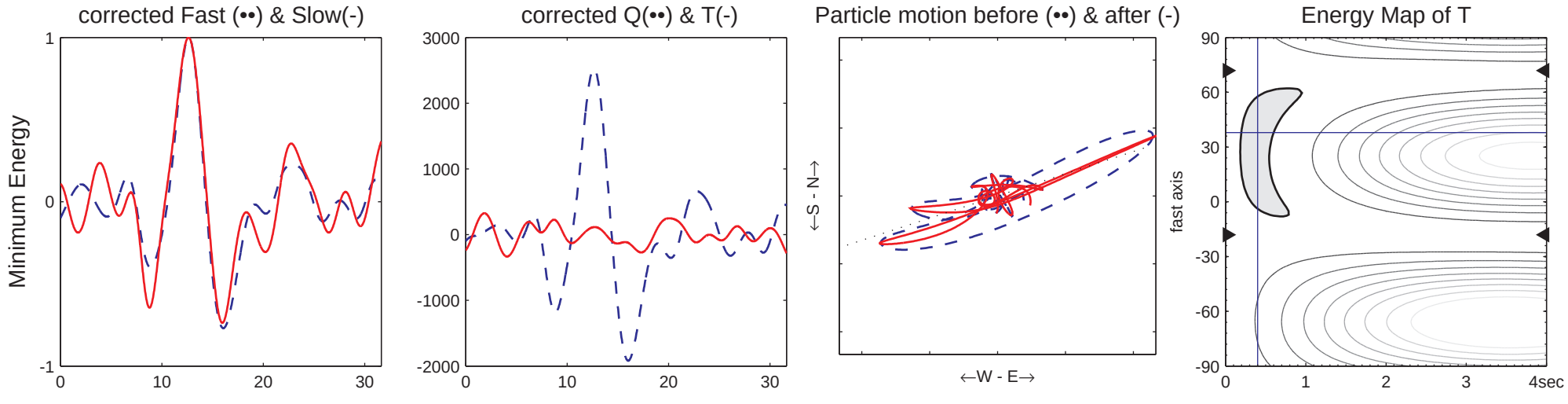
Event: **14-Jan-2010 (014) 14:03 11.51N 142.08E 37km Mw=5.8**
Station: **DARE** Backazimuth: **71.9”** Distance: **93.94”**
init.Pol.: **248.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.5**

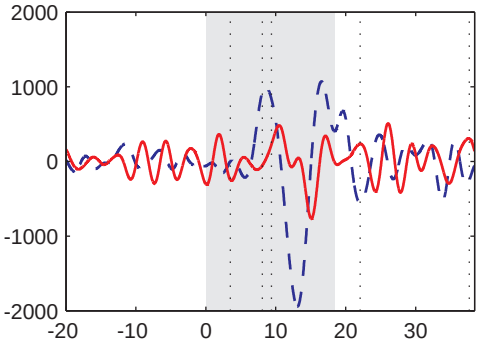
Rotation Correlation:	15<	24° <	35	0.2<0.4s<0.5
Minimum Energy:	-7<	38° <	62	0.2<0.4s<1.0
Eigenvalue:	-21<	12° <	60	0.2<0.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





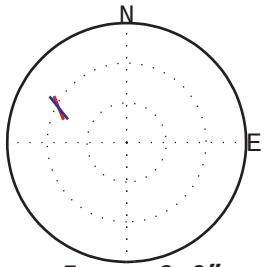




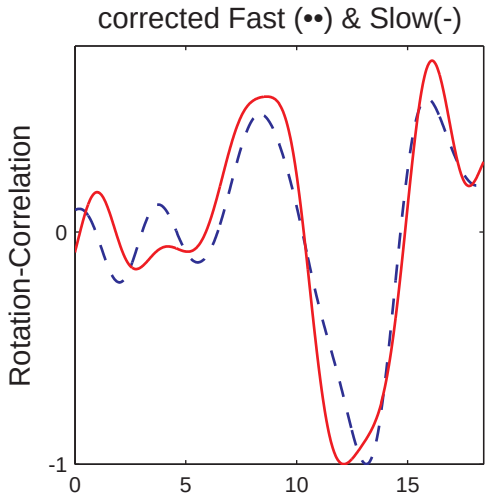
Event: **20-Jan-2010 (020) 11:03 18.42N -72.82E 10km Mw=5.9**
Station: **DARE** Backazimuth: **296.9”** Distance: **93.46”**
init.Pol.: **110.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

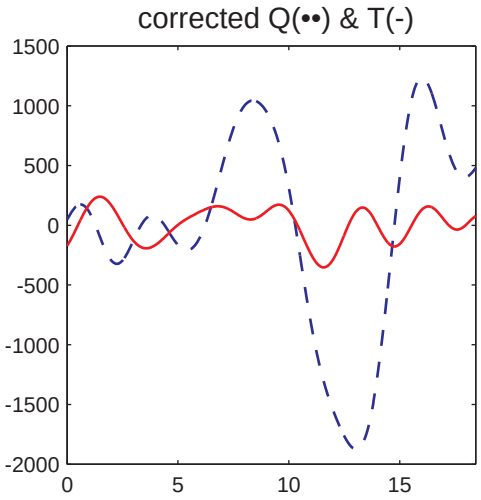
Rotation Correlation:	-36<	-24° <	-15	0.6<0.8s<0.9
Minimum Energy:	-39<	-21° <	-5	0.6<0.8s<1.0
Eigenvalue:	-54<	-39° <	-19	0.7<0.9s<1.3

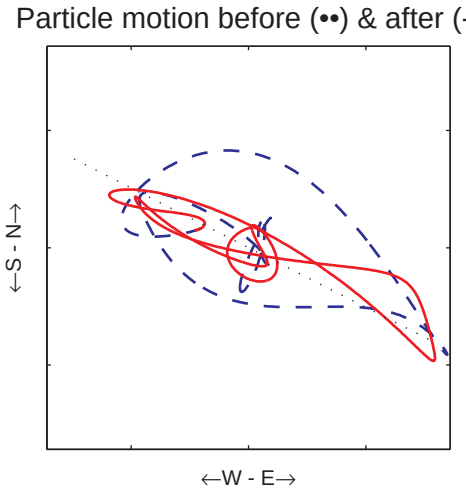
Quality: **good** IsNull: **No** Phase: **SKS**

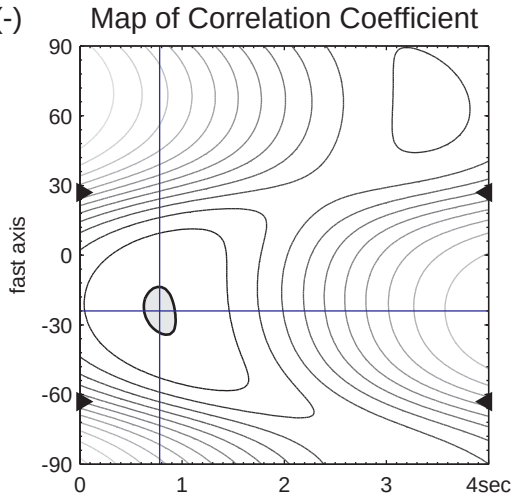


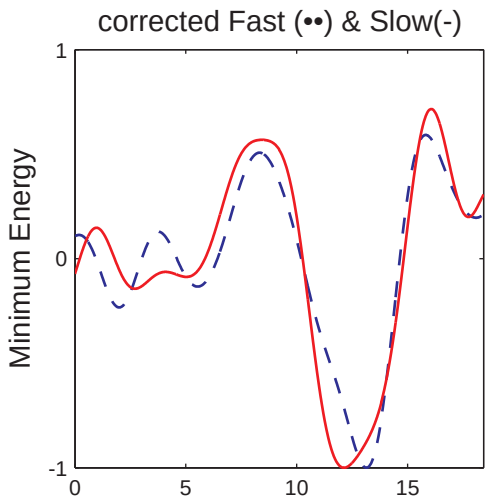
Inc = **9.6”**

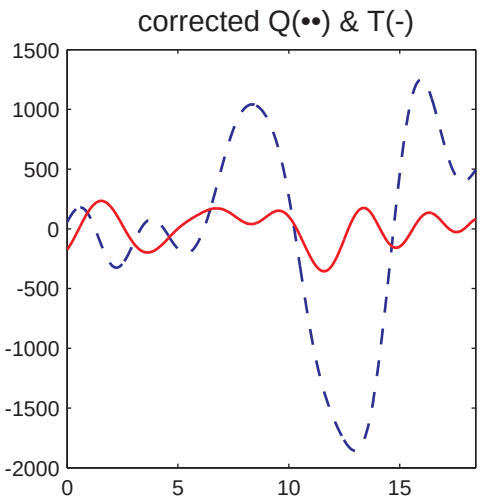


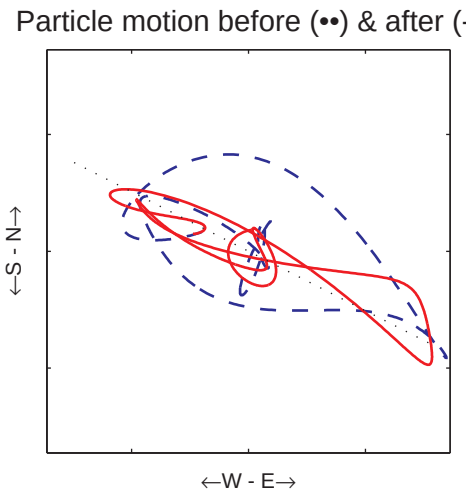


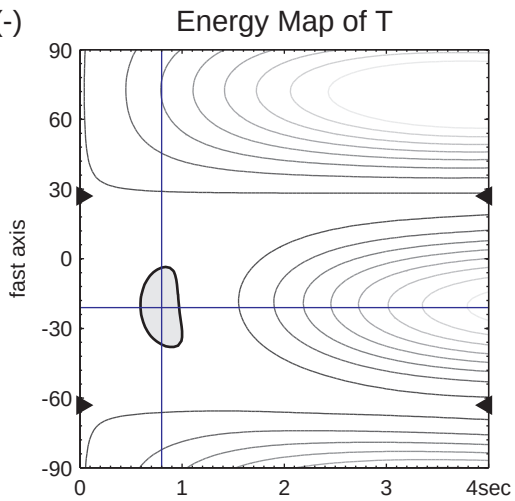


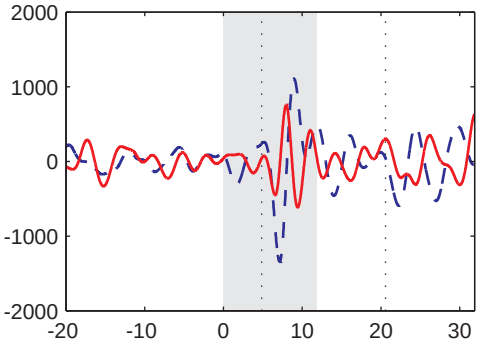








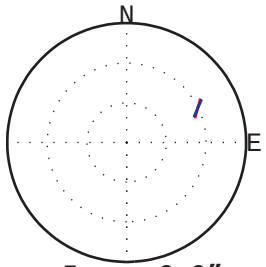


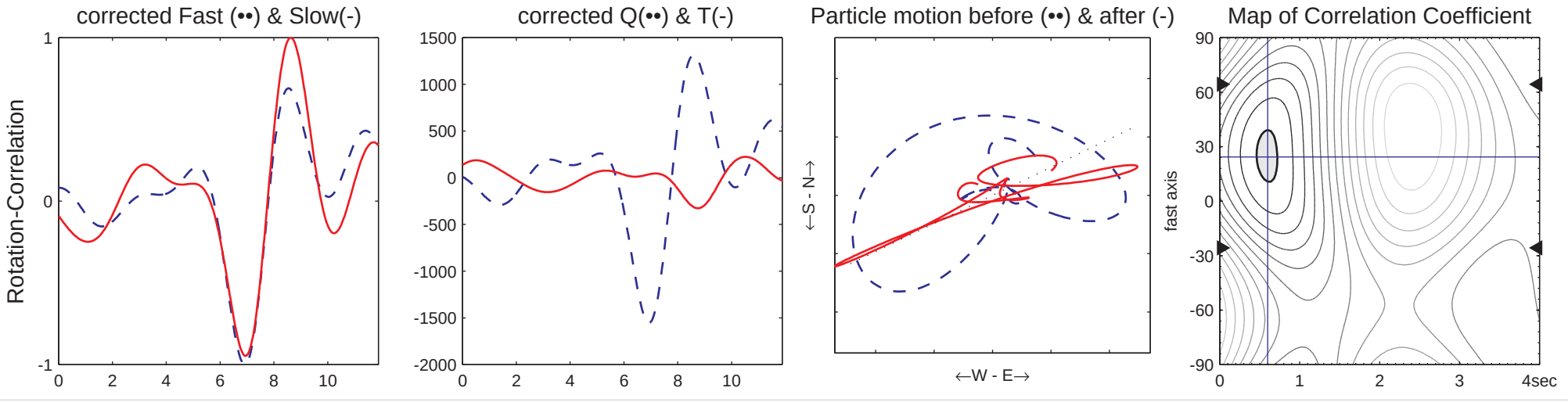


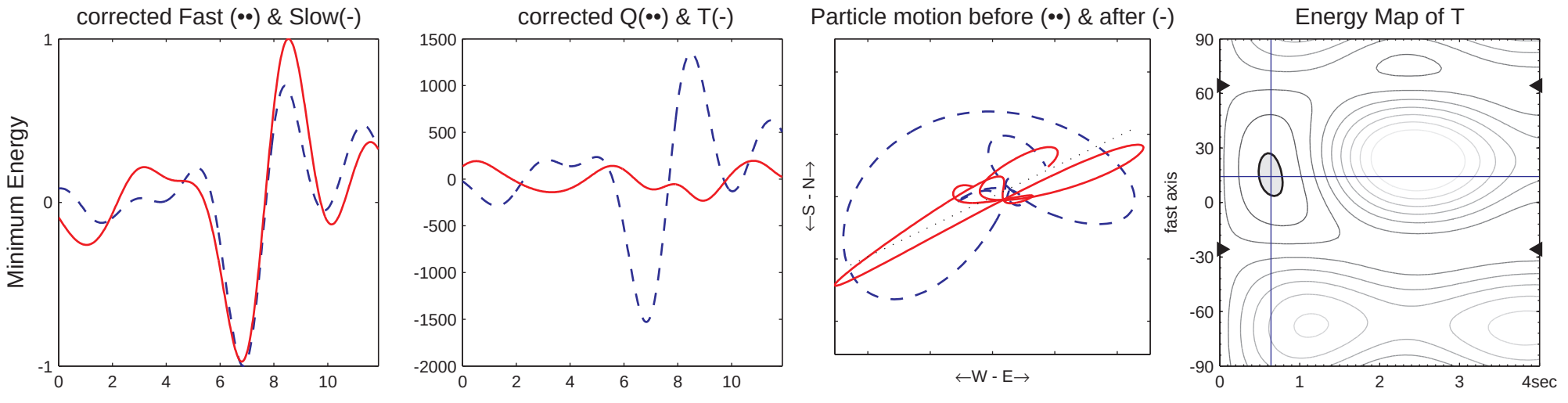
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **DARE** Backazimuth: **64.3”** Distance: **90.71”**
init.Pol.: **249.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

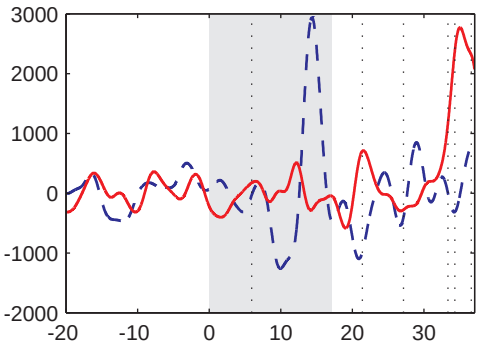
Rotation Correlation:	11<	24° <	39	0.5<0.6s<0.7
Minimum Energy:	3<	14° <	27	0.5<0.6s<0.8
Eigenvalue:	3<	22° <	41	0.5<0.6s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





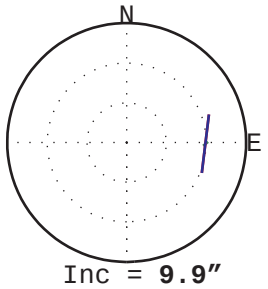


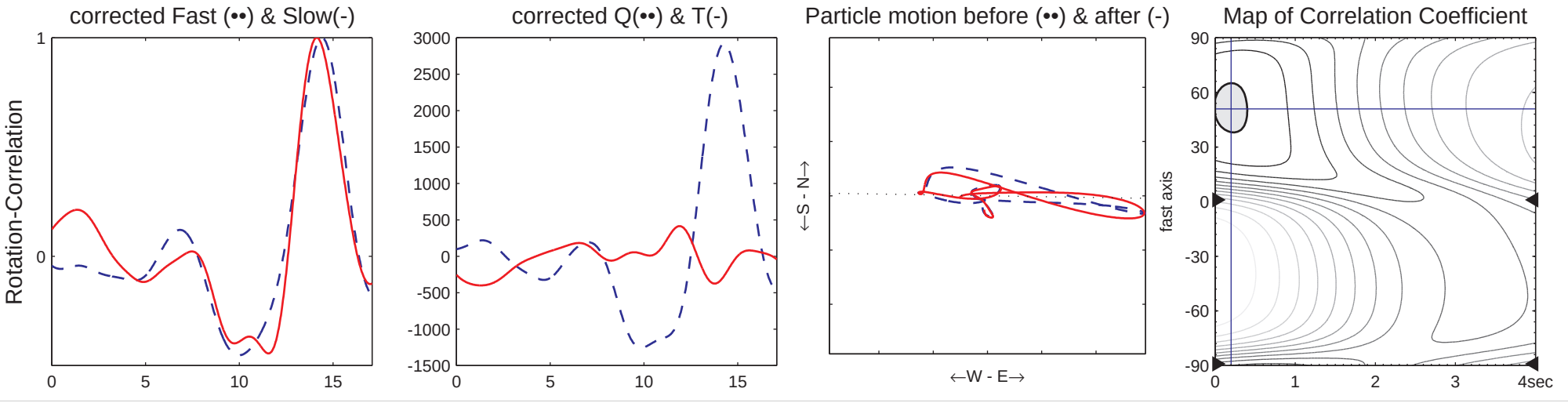


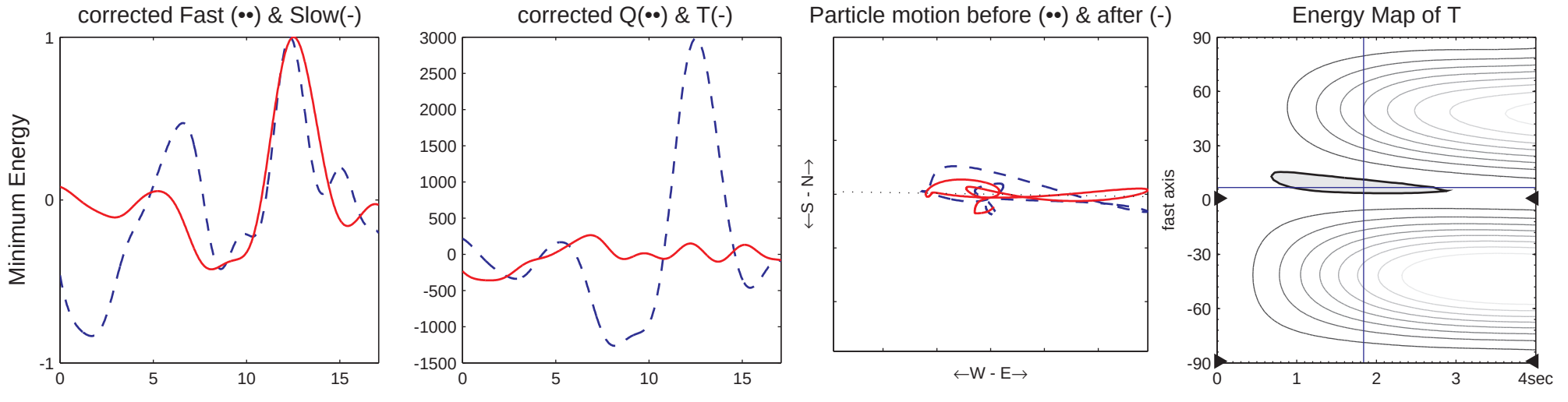
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **DARE** Backazimuth: **90.9”** Distance: **91.56”**
init.Pol.: **270.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.1**

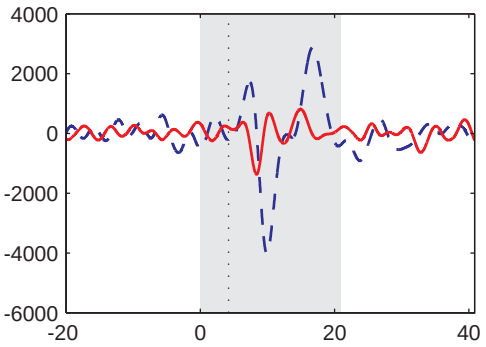
Rotation Correlation:	38<	51° <	65	0.0<0.2s<0.4
Minimum Energy:	3<	7° <	15	0.7<1.8s<2.9
Eigenvalue:	1<	7° <	46	0.2<1.8s<2.8

Quality: **good** IsNull: **Yes** Phase: **SKS**





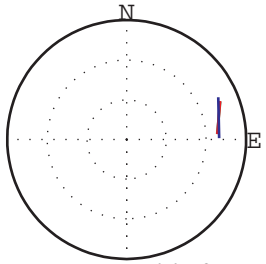




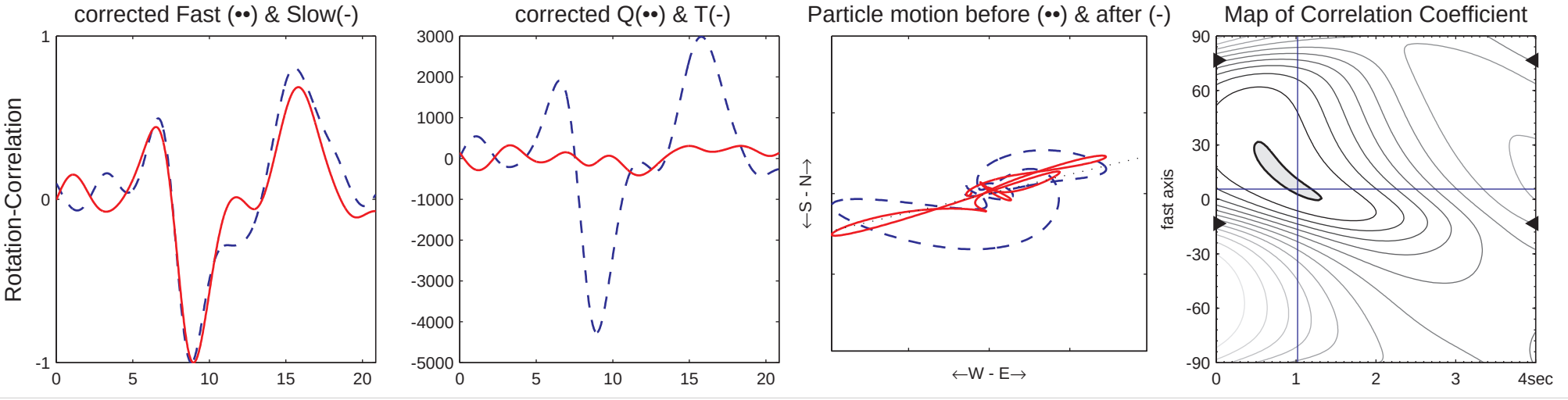
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **DARE** Backazimuth: **76.7”** Distance: **111.31”**
init.Pol.: **251.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.7**

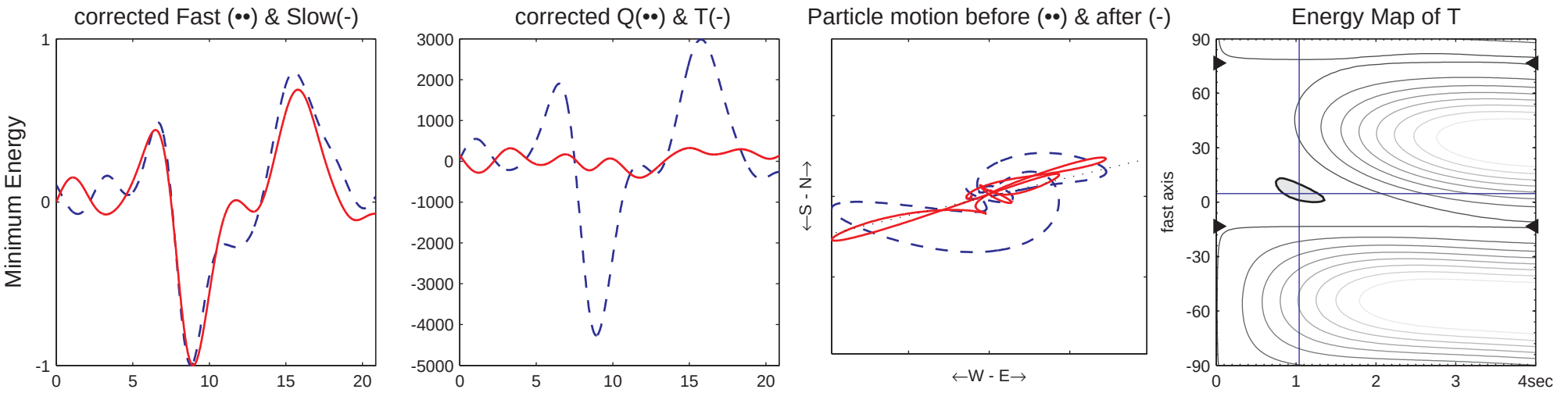
Rotation Correlation:	-1<	6° < 32	0.5<1.0s<1.3
Minimum Energy:	-1<	5° < 13	0.8<1.0s<1.4
Eigenvalue:	-7<	-1° < 3	1.0<1.3s<1.5

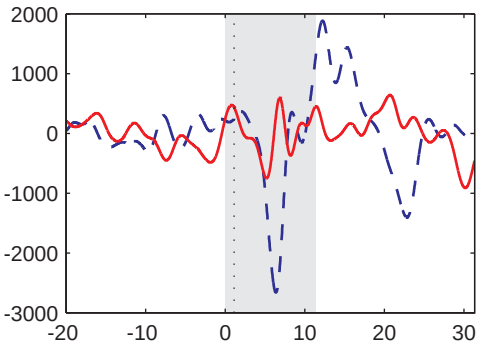
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.9”**



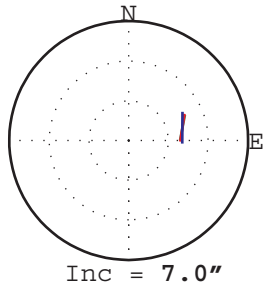


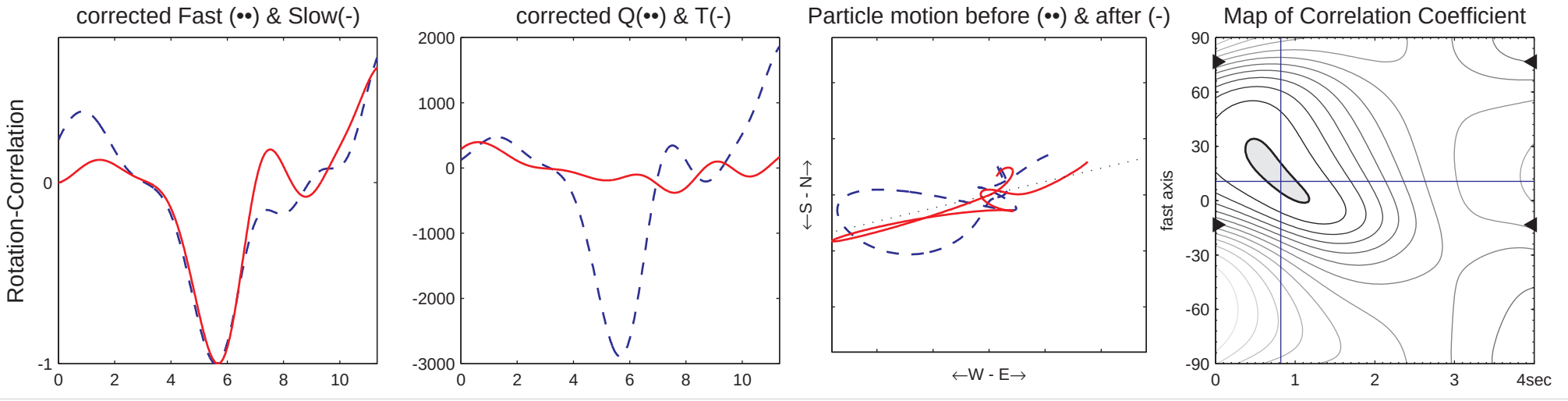


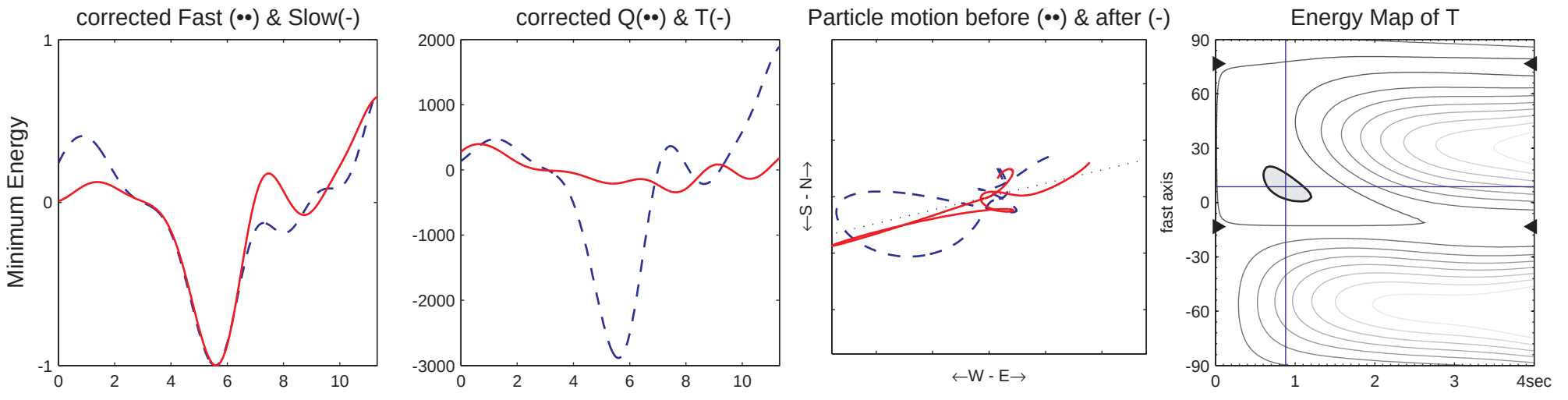
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km** Mw=**6.6**
Station: **DARE** Backazimuth: **76.7”** Distance: **111.31”**
init.Pol.: **249.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

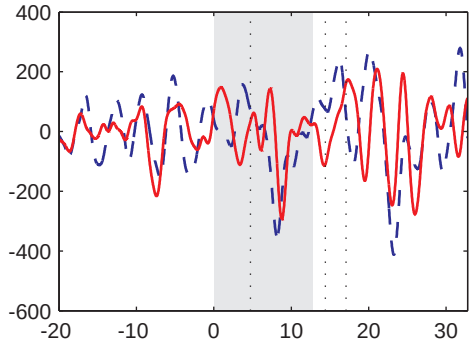
Rotation Correlation:	-2<	11° <	34	0.4<0.8s<1.2
Minimum Energy:	1<	9° <	19	0.6<0.9s<1.2
Eigenvalue:	-7<	1° <	9	0.8<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





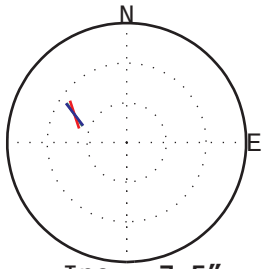




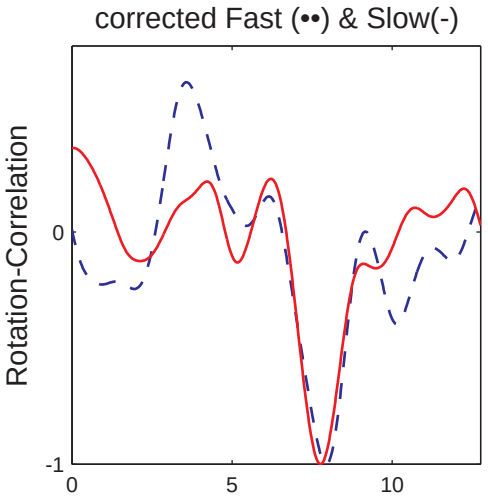
Event: **20-May-2010 (140) 22:16** **9.25N -84.30E** **21km** Mw=**5.9**
Station: **DARE** Backazimuth: **298.2”** Distance: **107.84”**
init.Pol.: **94.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.4**

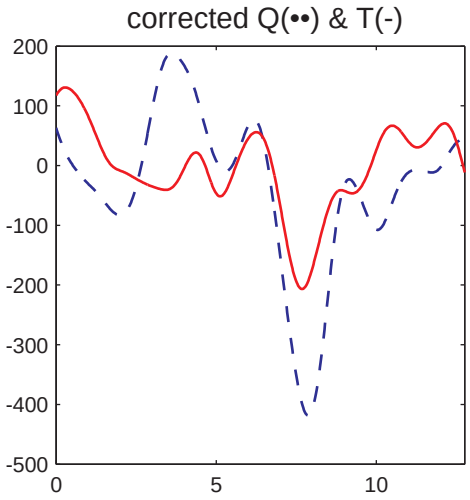
Rotation Correlation:	-45< **-35°** < -27	0.8<0.9s<1.0
Minimum Energy:	-33< **-18°** < -5	0.6<0.9s<1.2
Eigenvalue:	-56< **-38°** < -23	0.6<0.9s<1.2

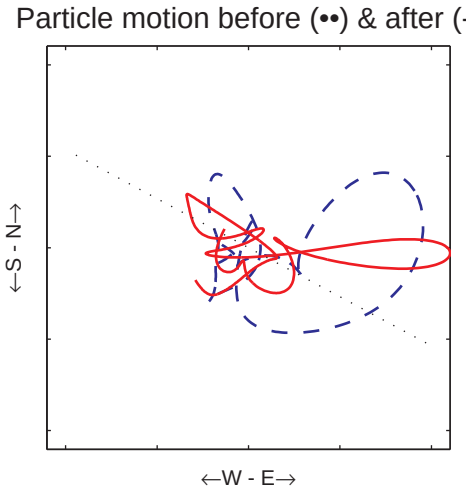
Quality: **fair** IsNull: **No** Phase: **SKS**

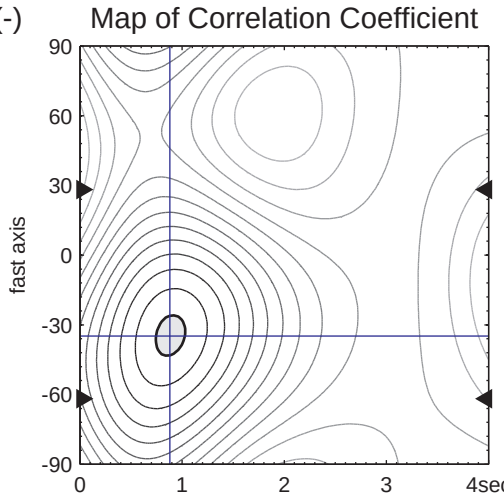


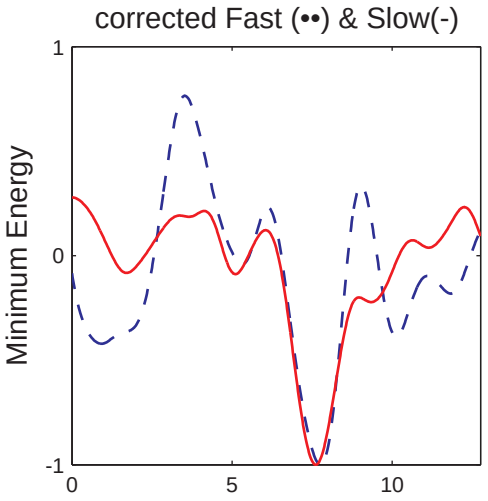
Inc = **7.5”**

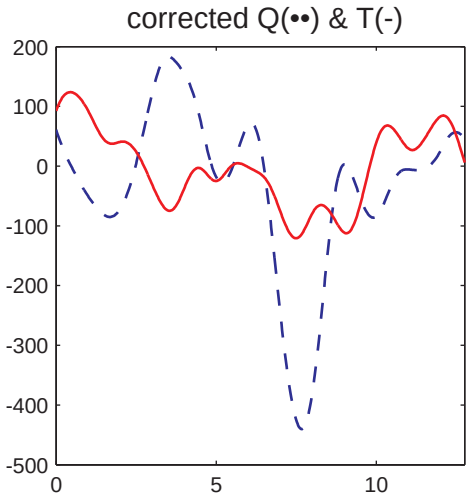


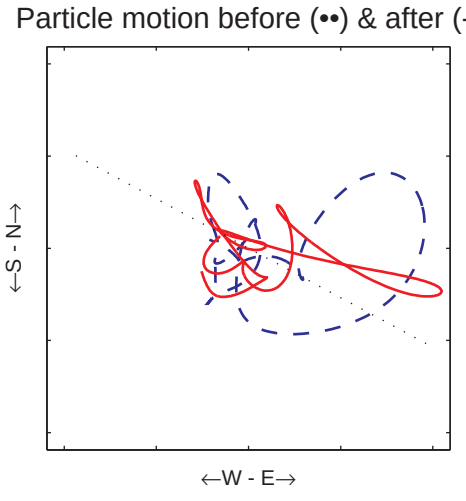


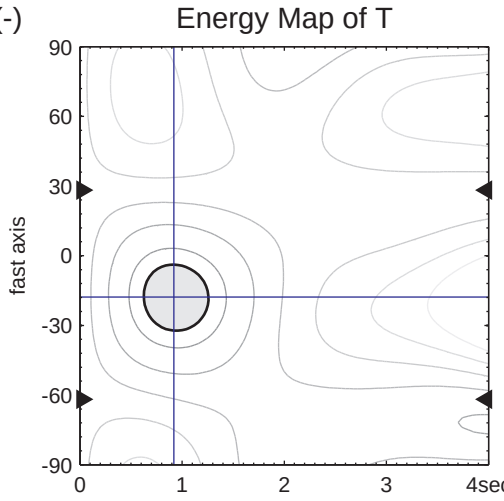


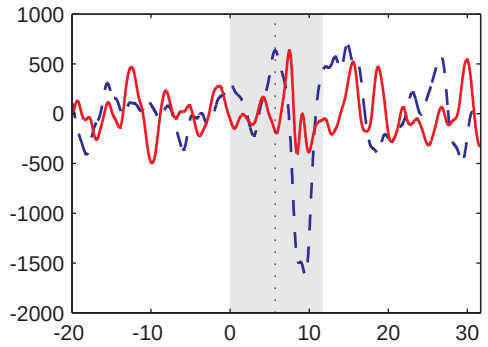








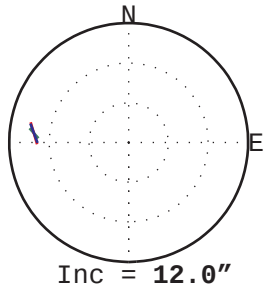




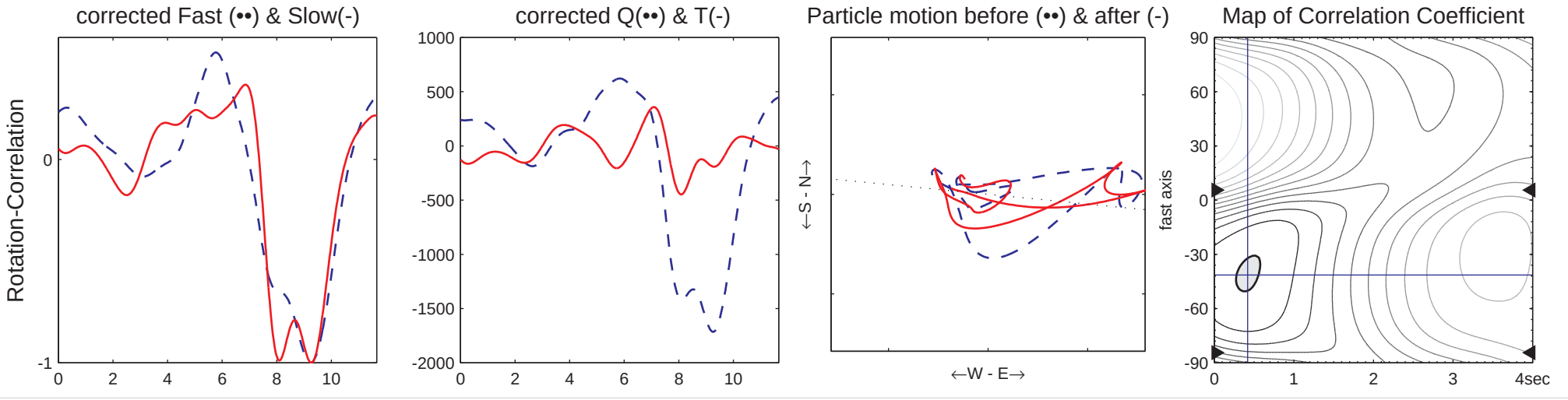
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **DARE** Backazimuth: **275.6”** Distance: **109.89”**
init.Pol.: **92.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.2**

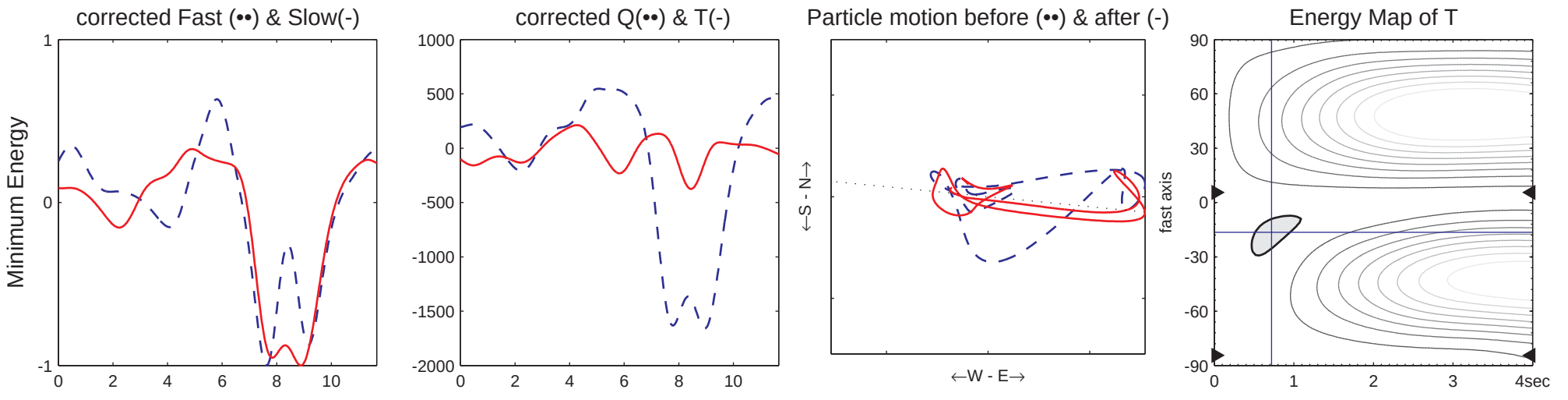
Rotation Correlation:	-52< -41° < -32	0.3<0.4s<0.6
Minimum Energy:	-31< -16° < -9	0.5<0.7s<1.1
Eigenvalue:	-39< -20° < -11	0.4<0.6s<1.0

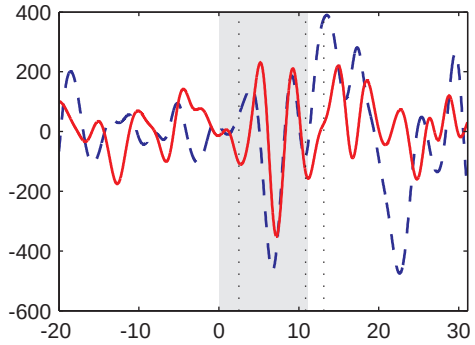
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



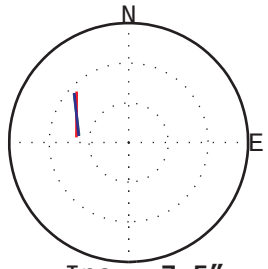




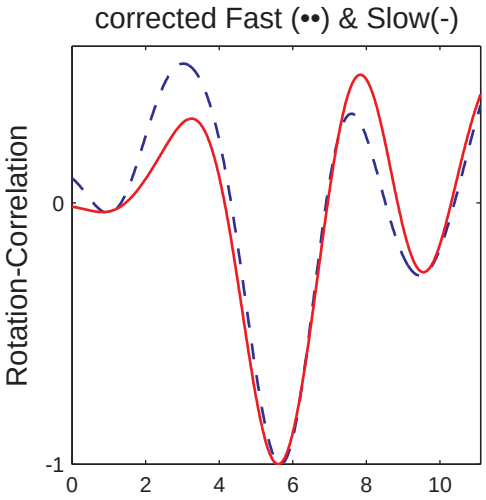
Event: **01-Jun-2010 (152) 03:26 9.33N -84.21E 18km Mw=6.0**
Station: **DARE** Backazimuth: **298.2”** Distance: **107.71”**
init.Pol.: **109.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.0**

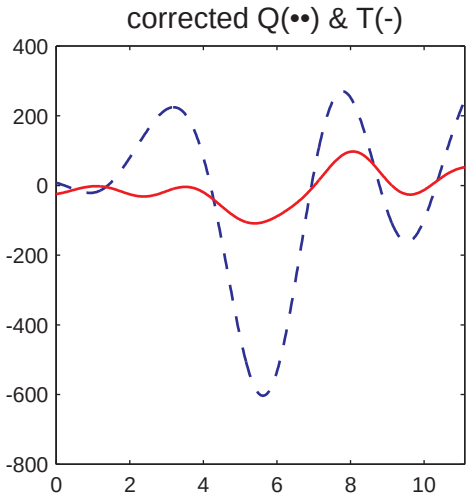
Rotation Correlation:	-18<	-7° <	2	1.1<1.3s<1.6
Minimum Energy:	-3<	0° <	5	1.3<1.4s<1.6
Eigenvalue:	-13<	-6° <	1	1.2<1.4s<1.6

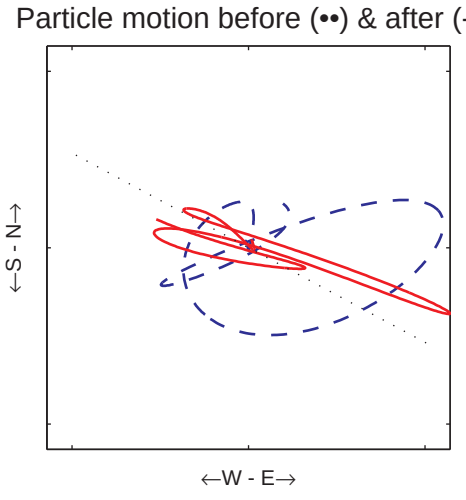
Quality: **good** IsNull: **No** Phase: **SKS**

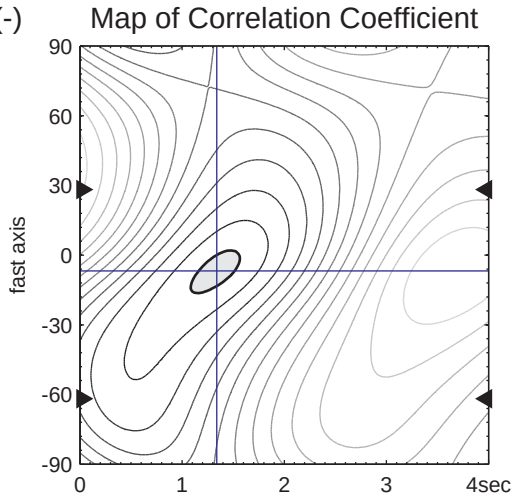


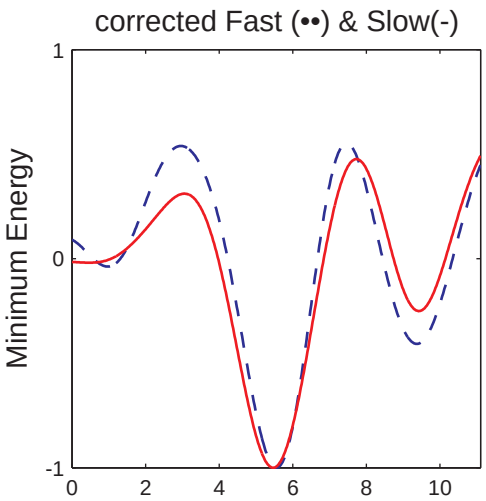
Inc = **7.5”**

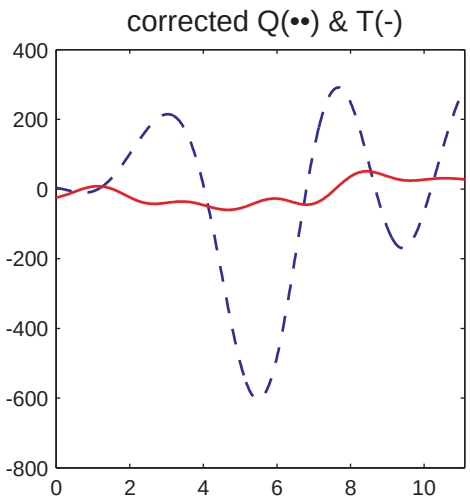


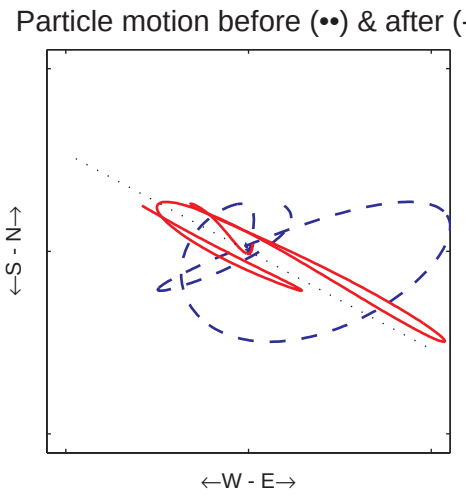


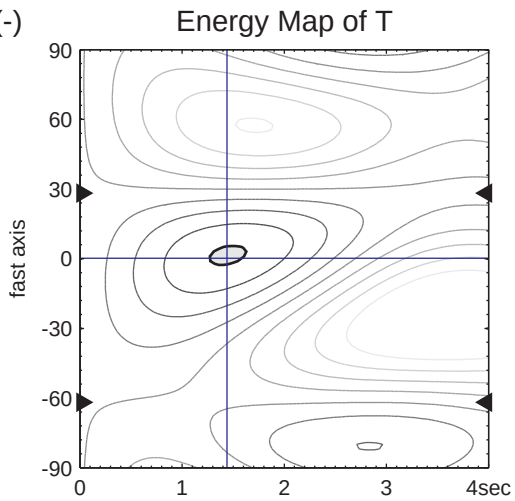


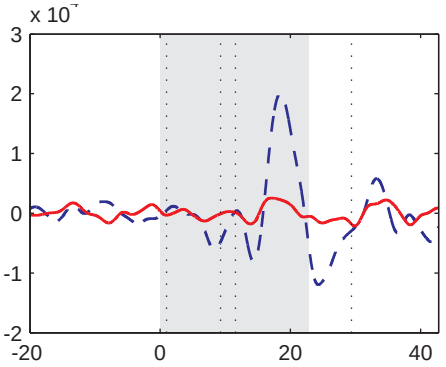








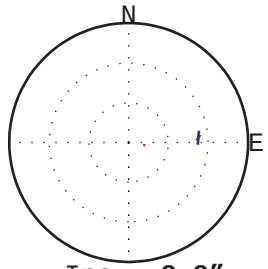


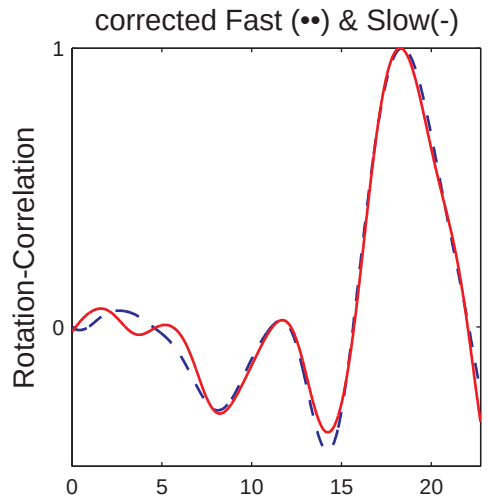


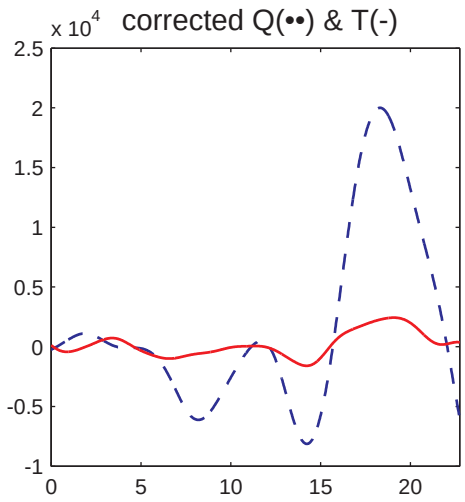
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **DARE** Backazimuth: **86.0”** Distance: **98.43”**
init.Pol.: **258.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.4**

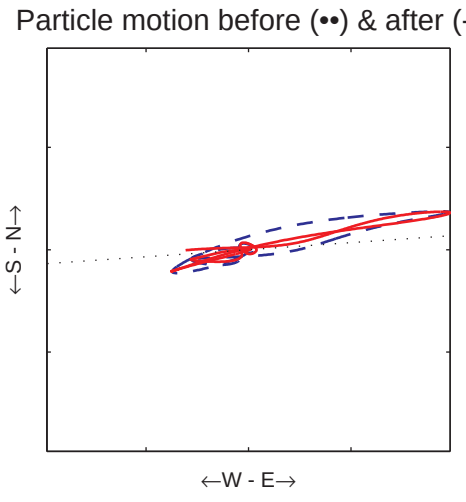
Rotation Correlation:	17<	33° <	51	0.1<0.2s<0.3
Minimum Energy:	78<	82° <	86	1.0<3.4s<4.0
Eigenvalue:	-7<	4° <	66	0.2<0.4s<1.4

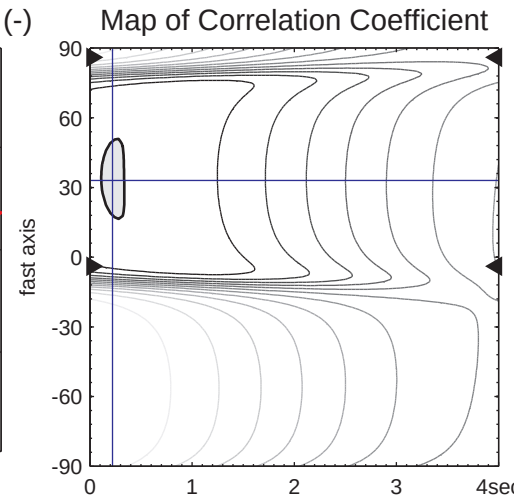
Quality: **good** IsNull: **Yes** Phase: **SKS**

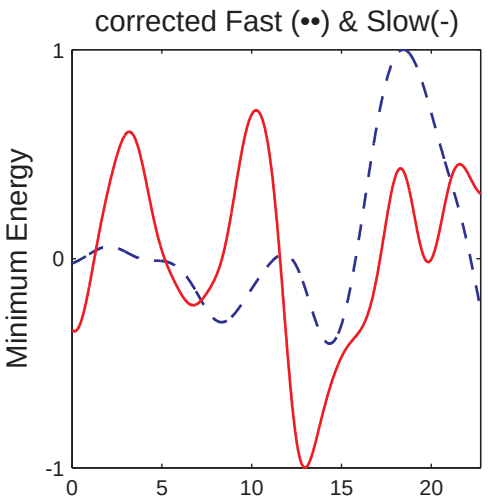


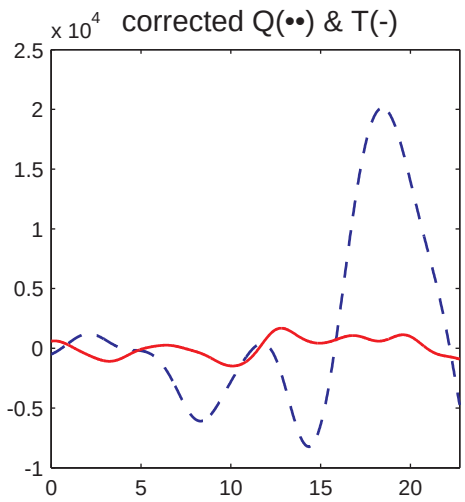


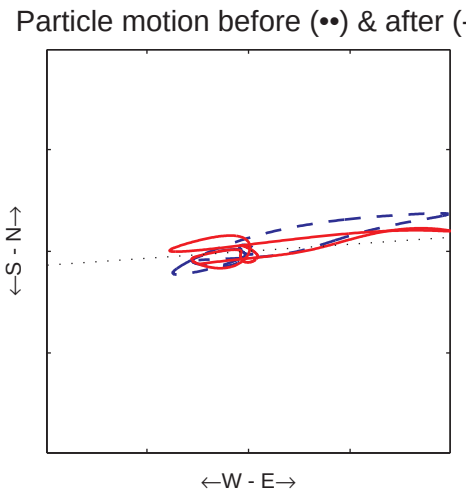


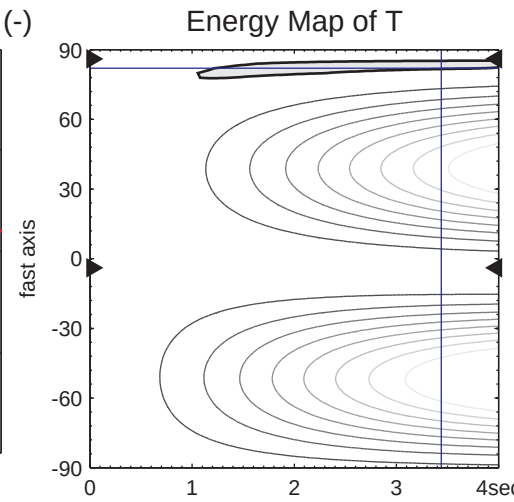


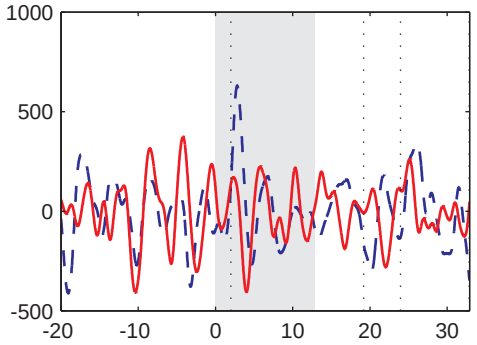








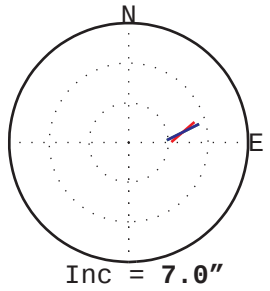


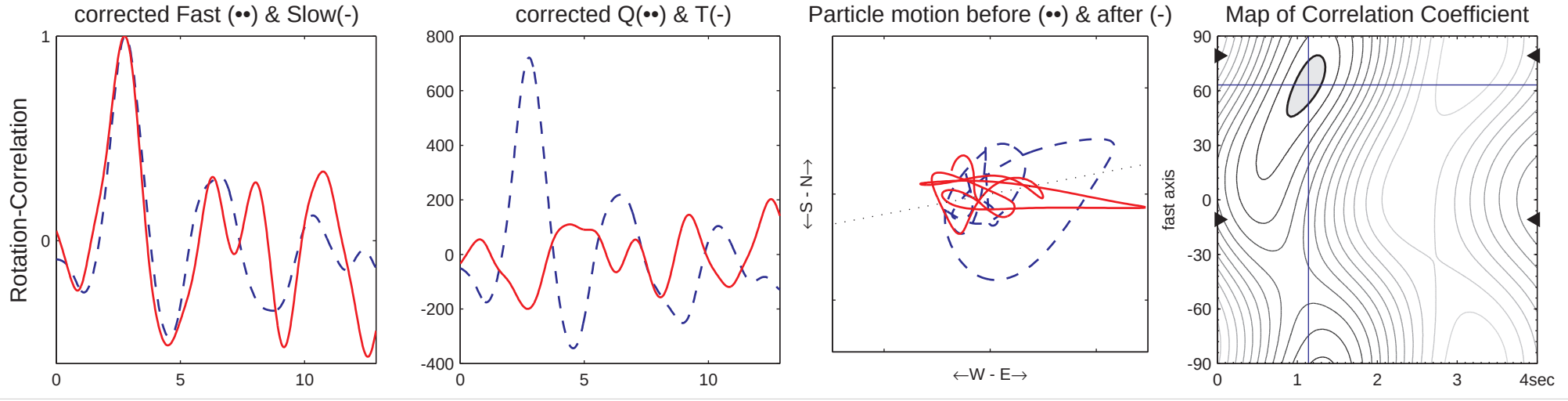


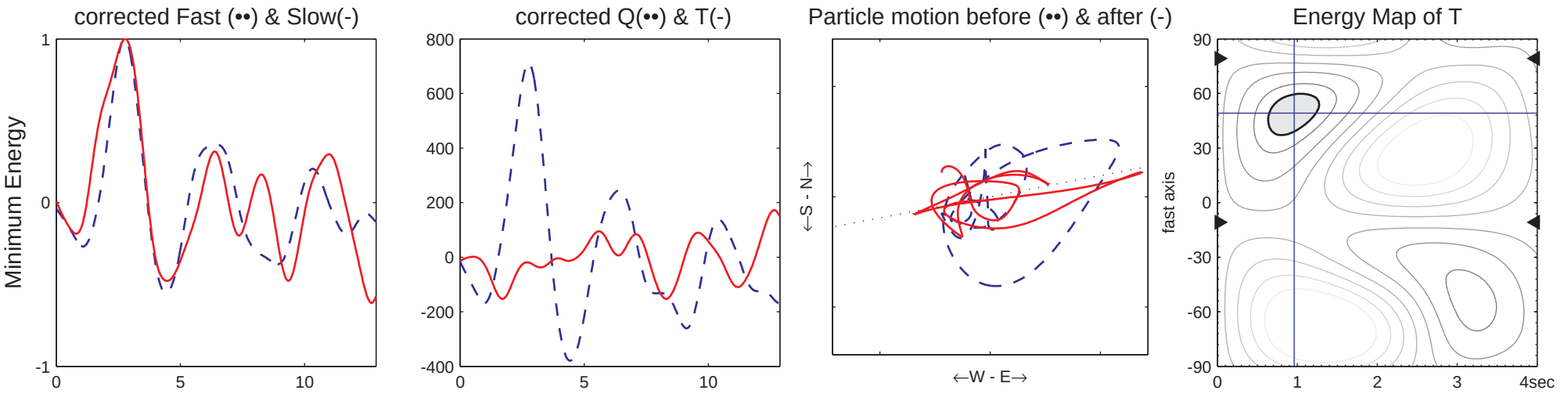
Event: **24-Jun-2010 (175) 05:32 -5.51N 151.16E 40km Mw=6.1**
Station: **DARE** Backazimuth: **79.2”** Distance: **111.87”**
init.Pol.: **275.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.7**

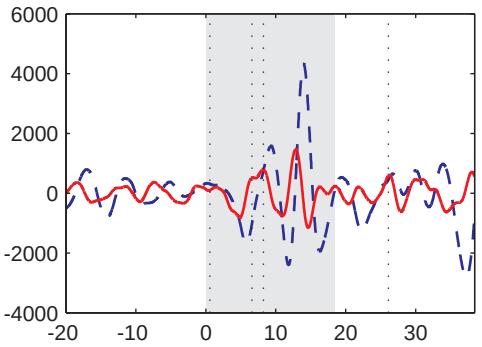
Rotation Correlation:	46<	63° <	79	0.9<1.1s<1.4
Minimum Energy:	37<	49° <	60	0.6<1.0s<1.3
Eigenvalue:	29<	63° <	86	0.6<1.1s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





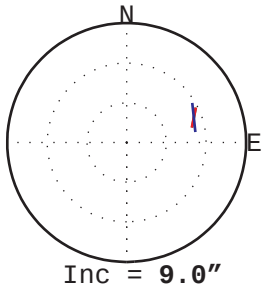


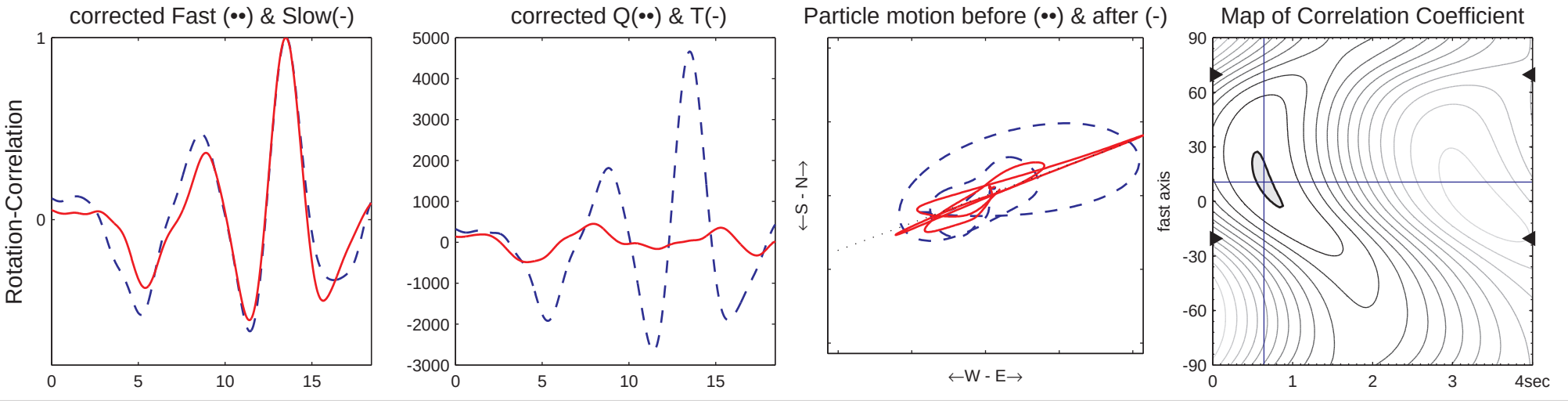


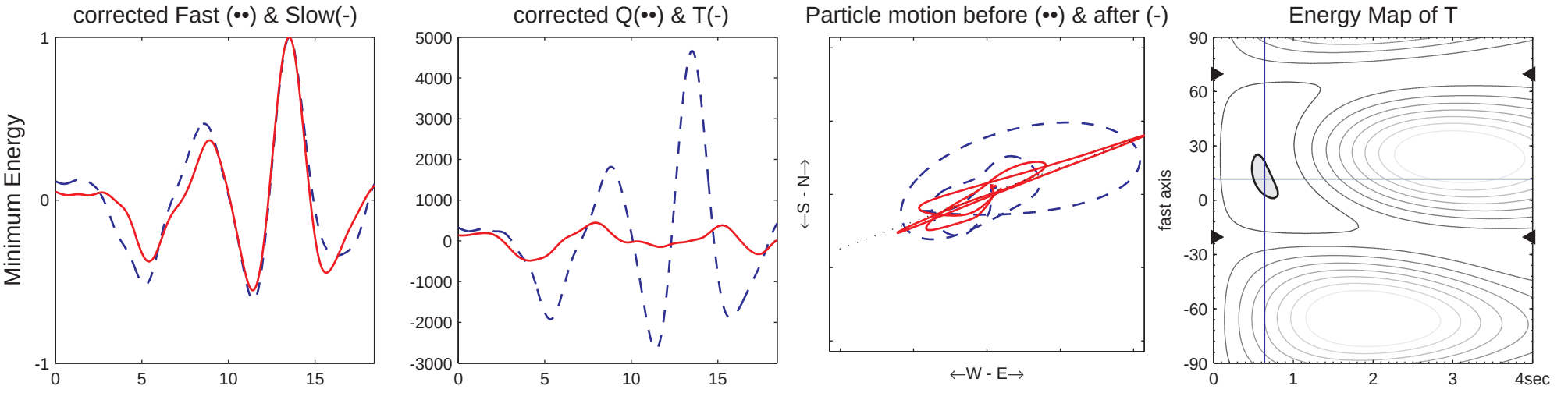
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **DARE** Backazimuth: **69.6”** Distance: **97.07”**
init.Pol.: **240.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.9**

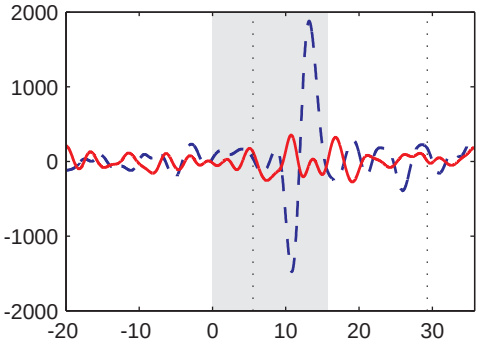
Rotation Correlation:	-4<	11° <	28	0.5<0.6s<0.9
Minimum Energy:	1<	12° <	25	0.5<0.6s<0.8
Eigenvalue:	-19<	-6° <	5	0.6<0.9s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





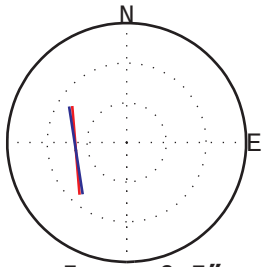


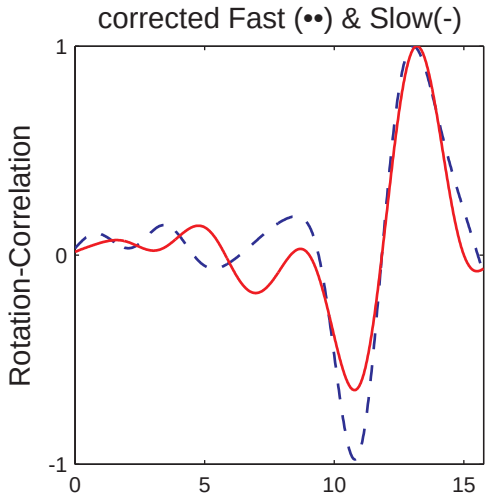


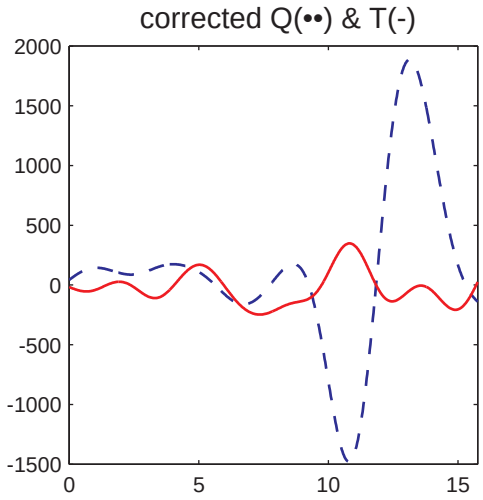
Event: **12-Jul-2010 (193) 00:11 -22.15N -68.22E 115km Mw=6.3**
Station: **DARE** Backazimuth: **261.2”** Distance: **115.53”**
init.Pol.: **72.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.2**

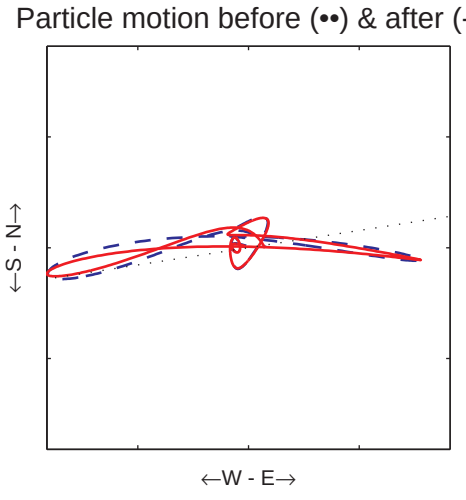
Rotation Correlation:	-60<	-48° <	-38	0.0<0.1s<0.2
Minimum Energy:	-9<	-5° <	-5	2.1<2.8s<3.6
Eigenvalue:	-15<	-9° <	-5	2.4<2.8s<3.2

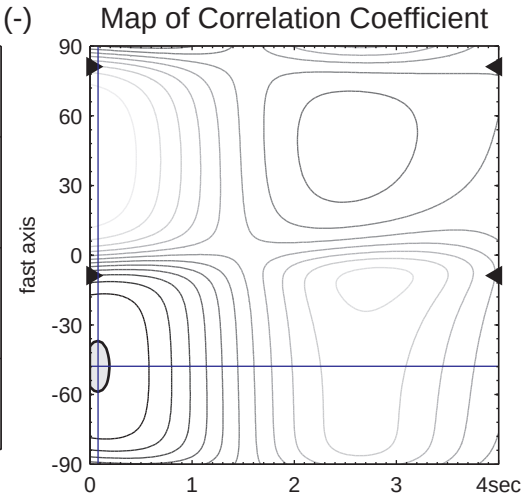
Quality: **good** IsNull: **Yes** Phase: **SKS**

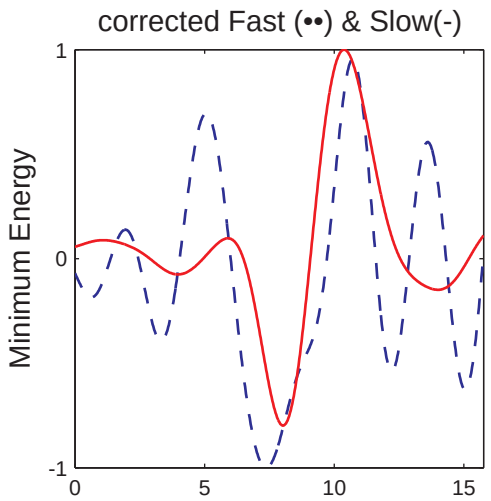


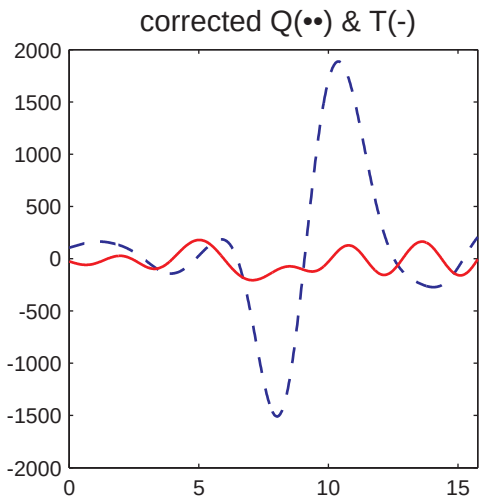


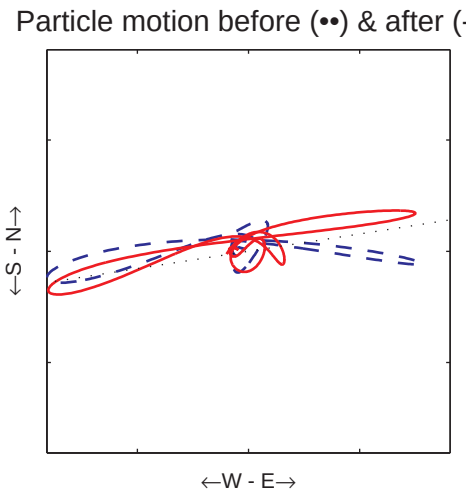


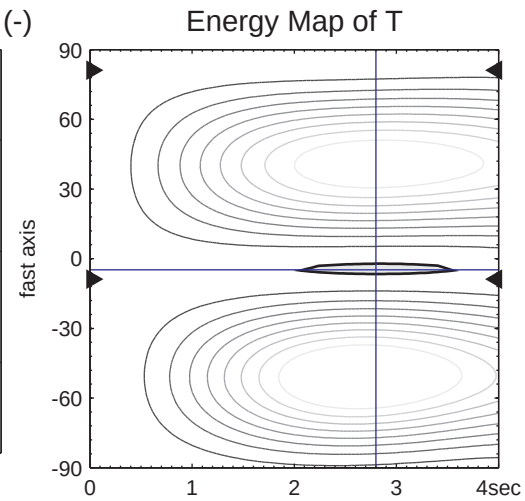


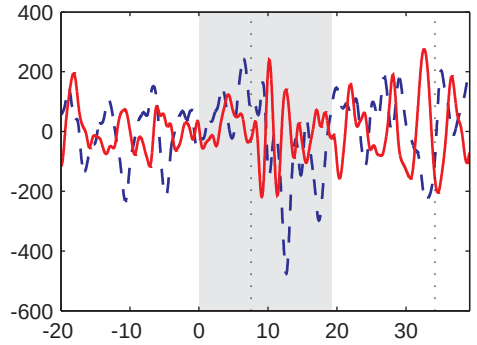








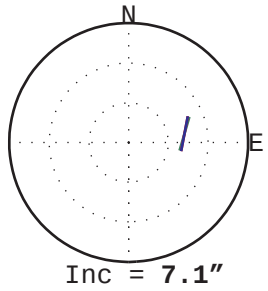


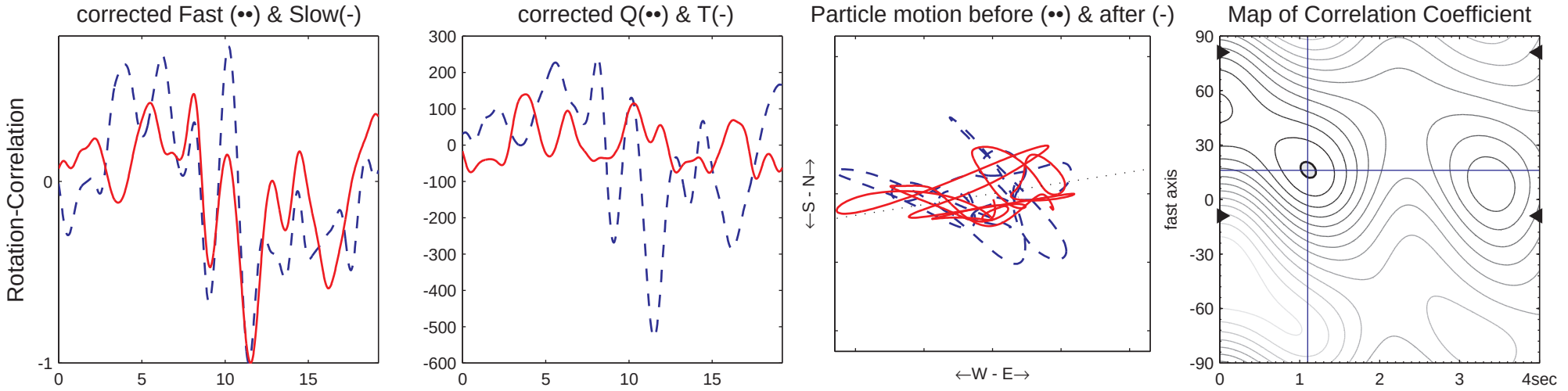


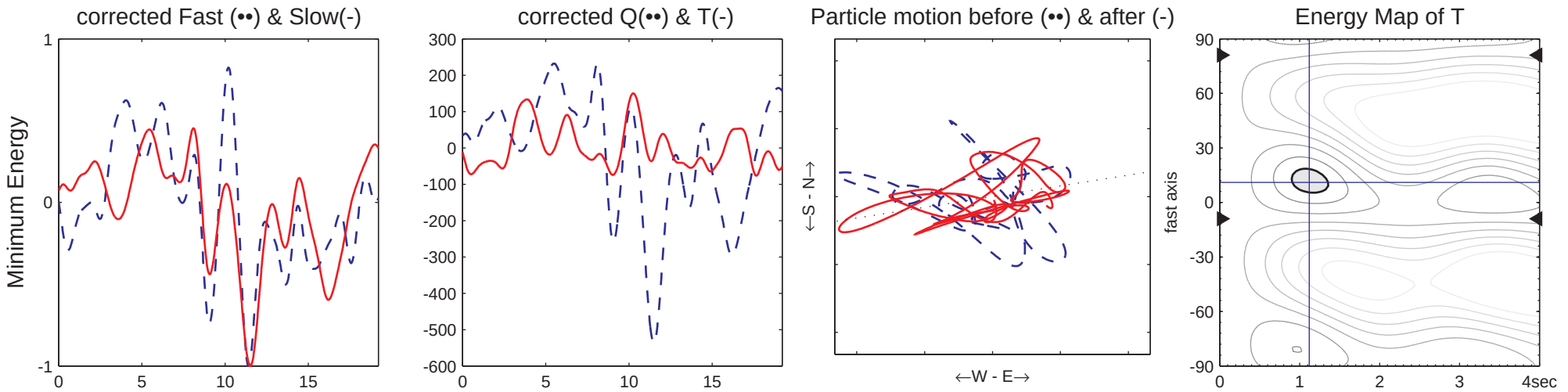
Event: **23-Nov-2010 (327) 09:01 -5.96N 148.97E 68km Mw=6.1**
Station: **DARE** Backazimuth: **81.0”** Distance: **110.46”**
init.Pol.: **260.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

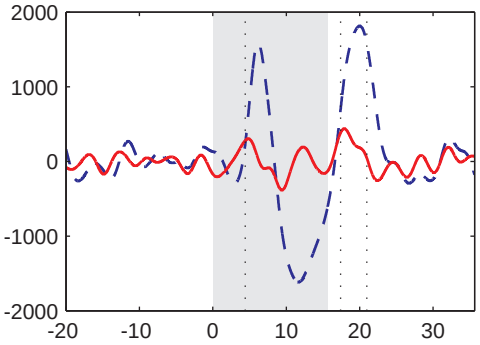
Rotation Correlation:	12<	16° <	21	1.0<1.1s<1.2
Minimum Energy:	5<	11° <	19	0.9<1.1s<1.4
Eigenvalue:	3<	11° <	19	0.9<1.1s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





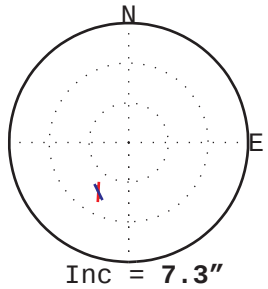


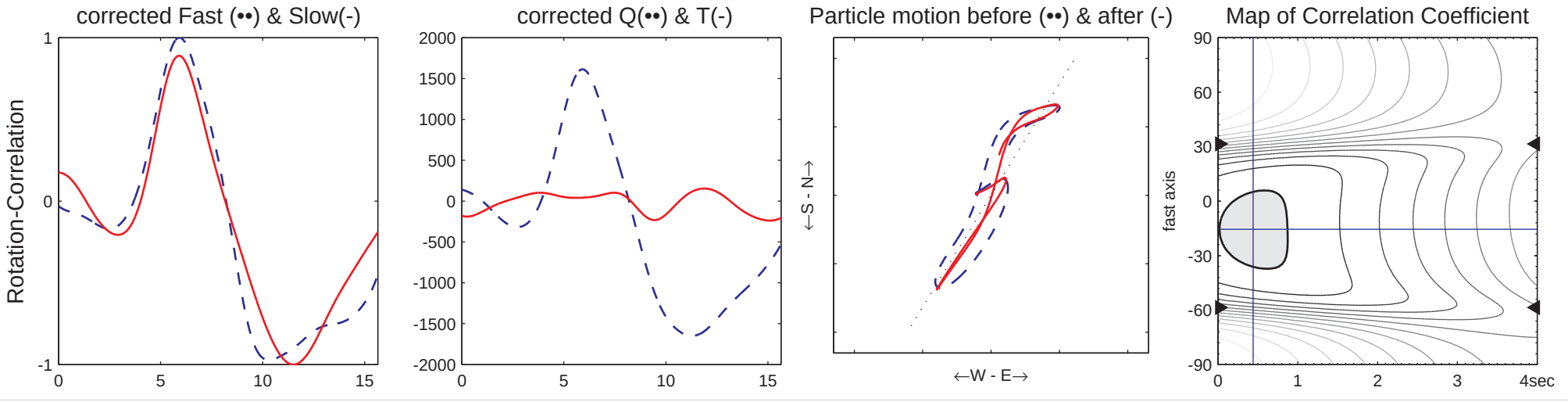


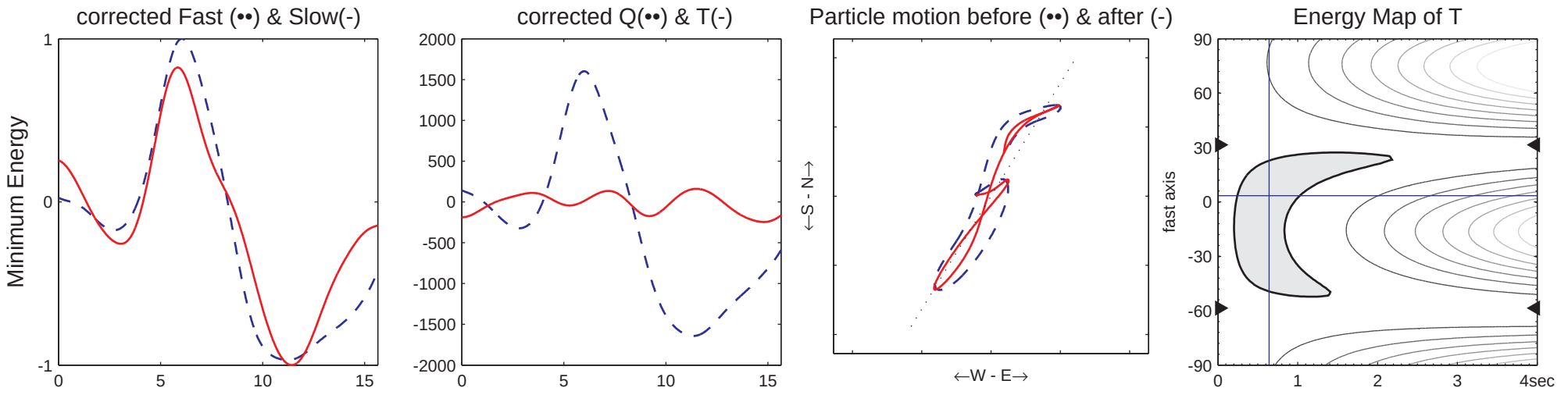
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **DARE** Backazimuth: **211.5”** Distance: **108.94”**
init.Pol.: **29.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.9**

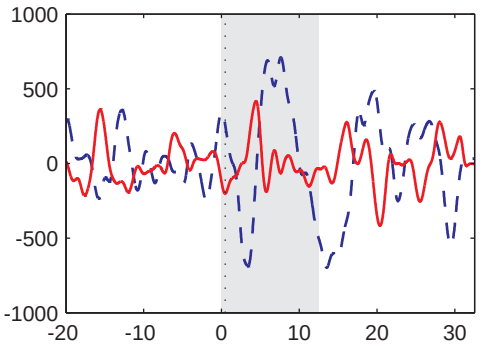
Rotation Correlation:	-39<	-16° <	5	0.0<0.4s<0.9
Minimum Energy:	-52<	3° <	27	0.2<0.6s<2.2
Eigenvalue:	-62<	-27° <	25	0.2<0.6s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





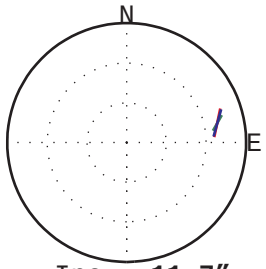




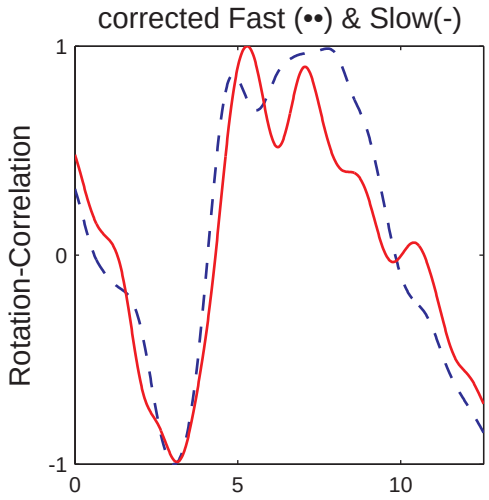
Event: **07-Feb-2011 (038) 19:53 -7.15N 155.18E 415km Mw=6.4**
Station: **DARE** Backazimuth: **77.8”** Distance: **115.99”**
init.Pol.: **259.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.8**

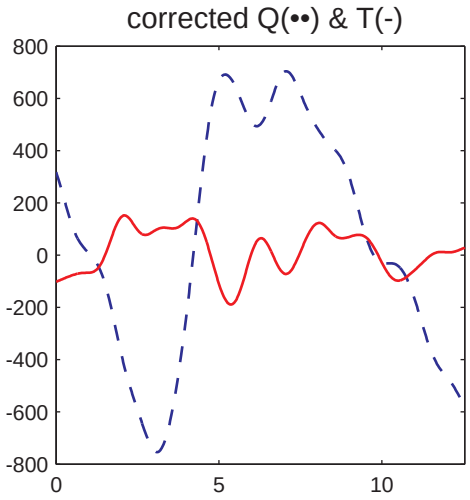
Rotation Correlation:	21<	30° <	42	0.4<0.6s<0.8
Minimum Energy:	5<	12° <	21	0.7<0.9s<1.2
Eigenvalue:	5<	16° <	27	0.6<0.9s<1.1

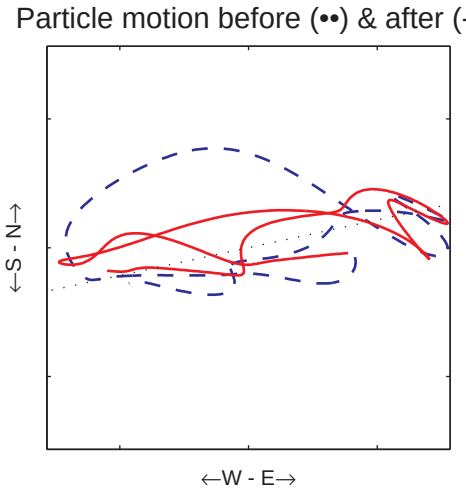
Quality: **fair** IsNull: **No** Phase: **SKKS**

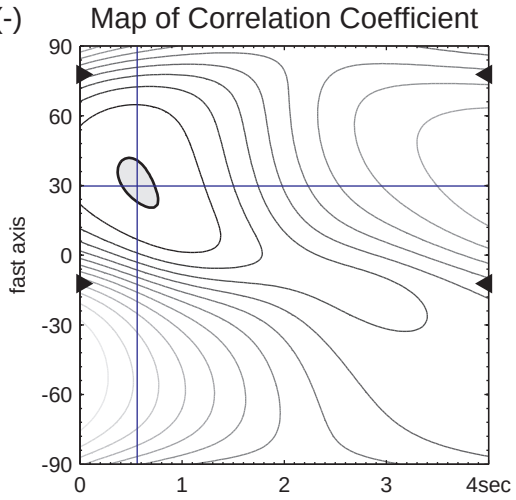


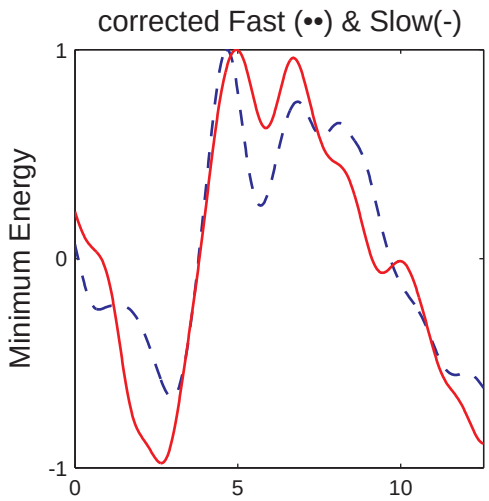
Inc = **11.7”**

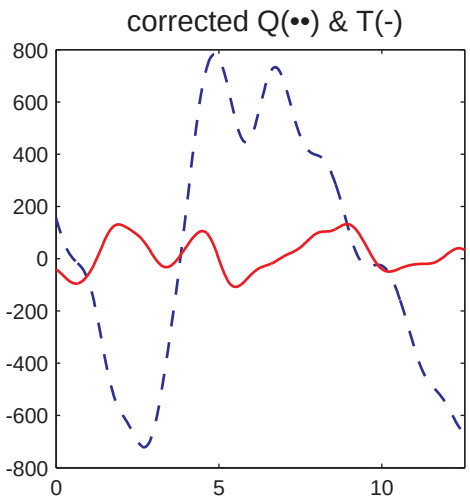


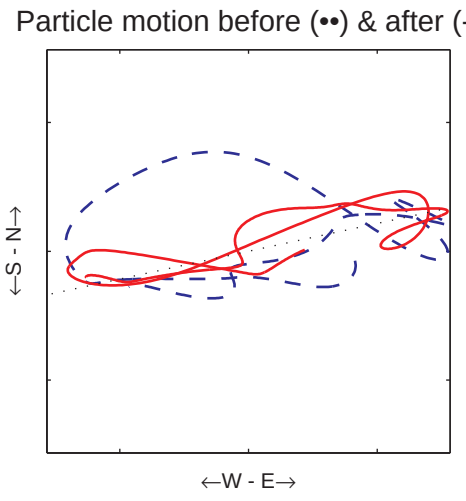


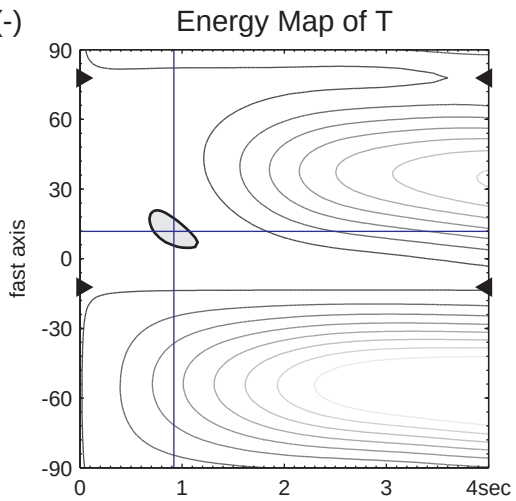


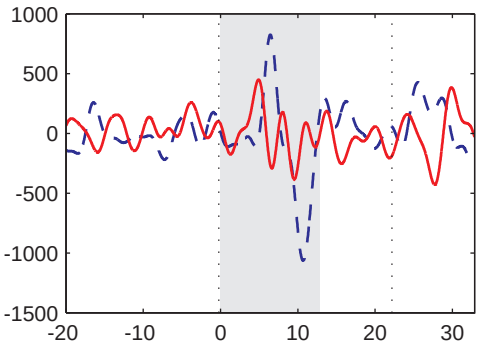








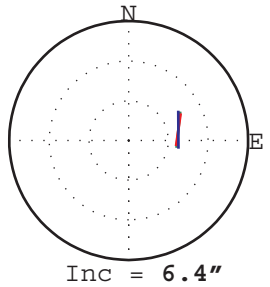


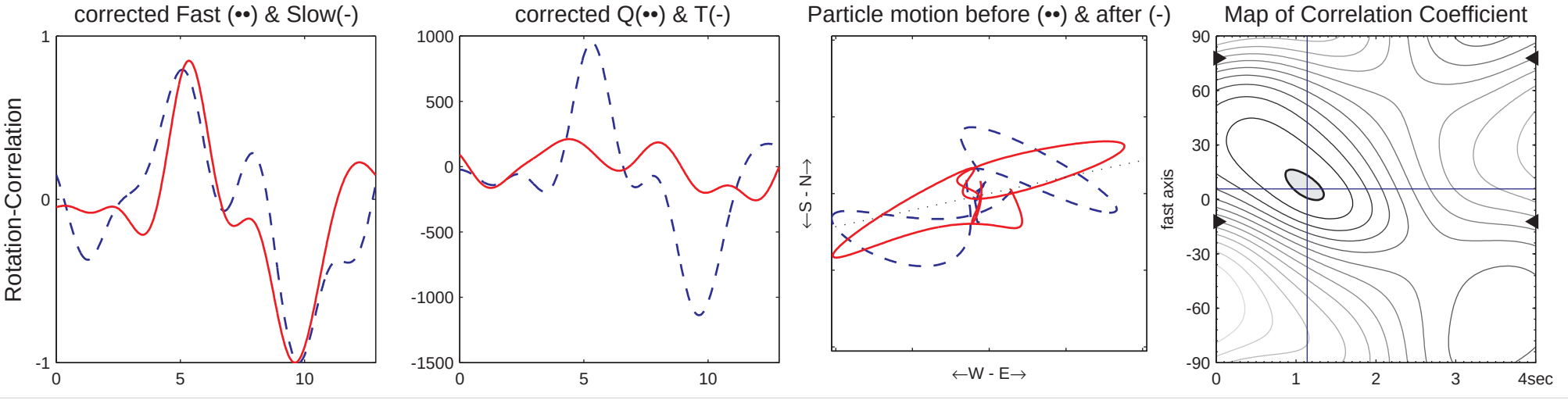


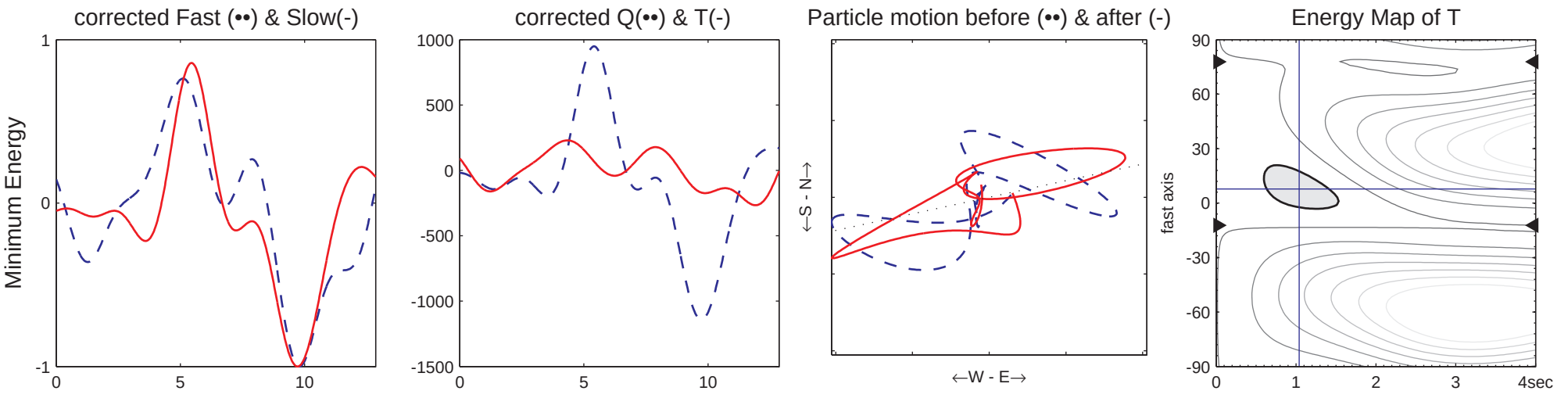
Event: **07-Feb-2011 (038) 19:53 -7.15N 155.18E 415km Mw=6.4**
Station: **DARE** Backazimuth: **77.8”** Distance: **115.99”**
init.Pol.: **247.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

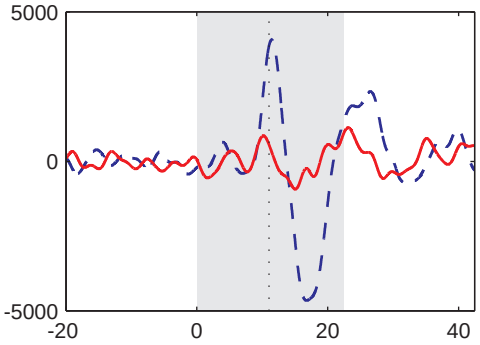
Rotation Correlation:	-1<	6° <	17	0.9<1.1s<1.4
Minimum Energy:	-3<	8° <	21	0.6<1.0s<1.5
Eigenvalue:	-15<	-0° <	9	0.8<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





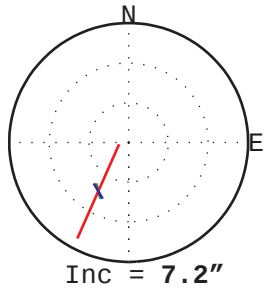


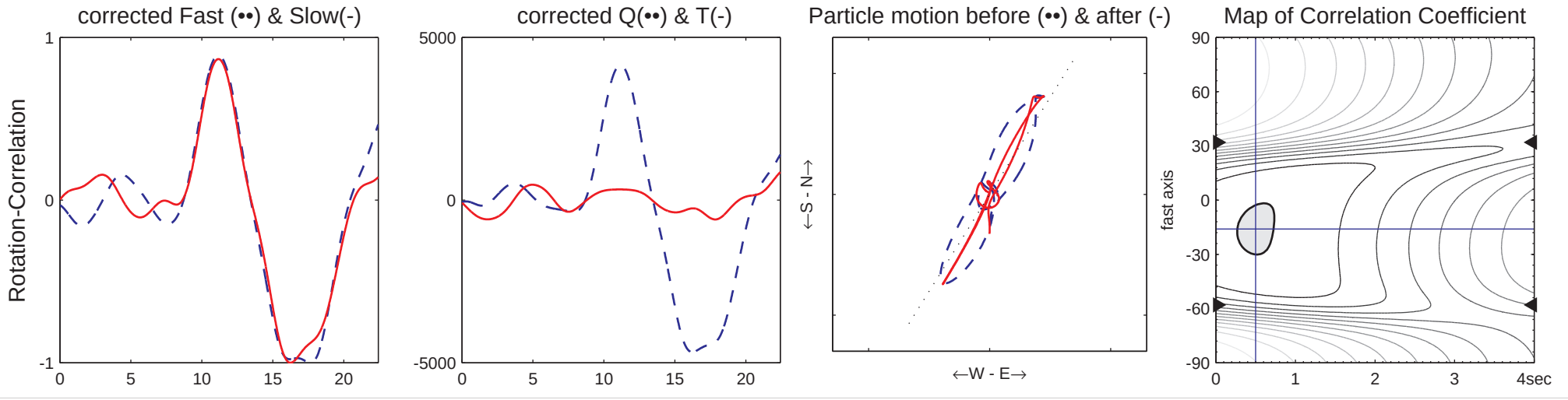


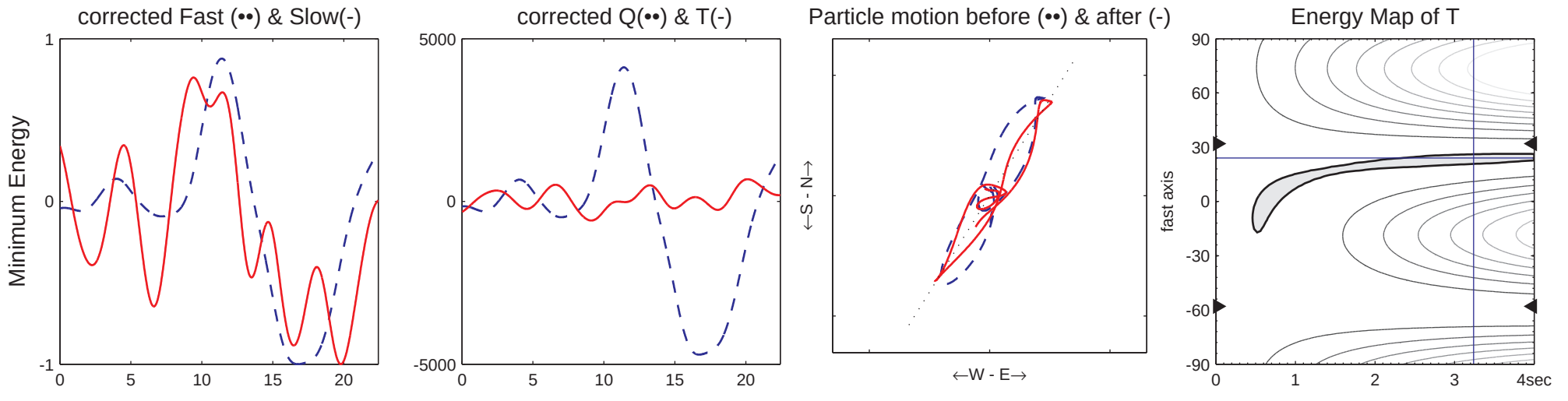
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **DARE** Backazimuth: **212.0”** Distance: **109.49”**
init.Pol.: **25.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

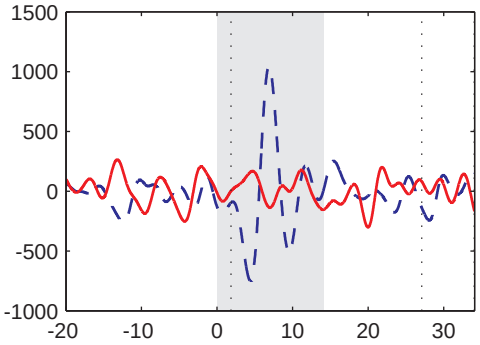
Rotation Correlation:	-31<	-16° <	-3	0.3<0.5s<0.7
Minimum Energy:	-17<	24° <	27	0.5<3.2s<4.0
Eigenvalue:	-60<	-30° <	7	0.3<0.6s<1.4

Quality: **good** IsNull: **Yes** Phase: **SKS**



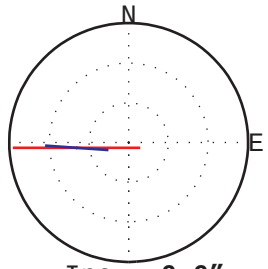


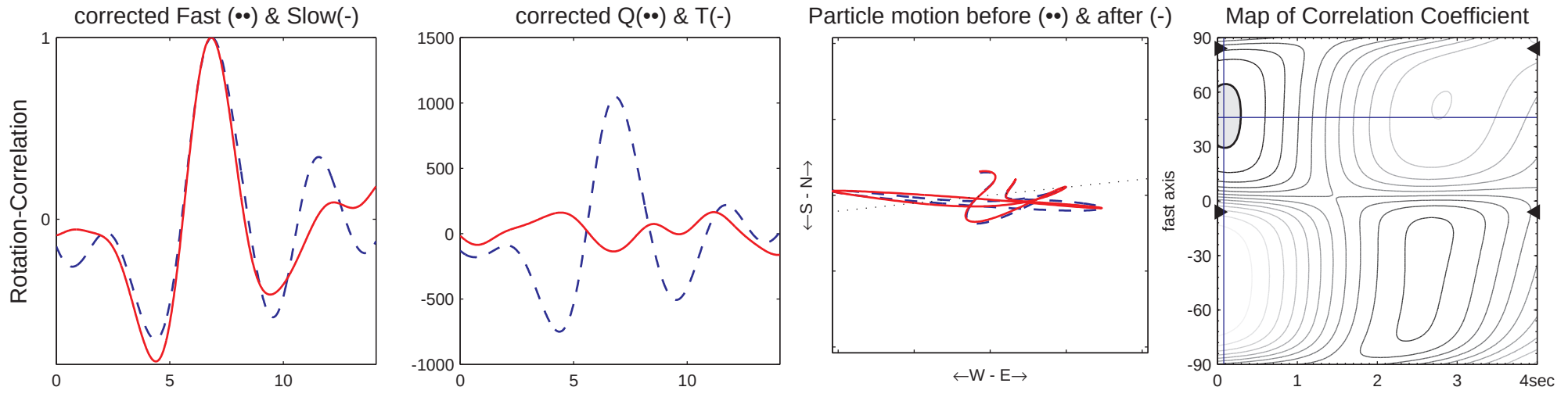


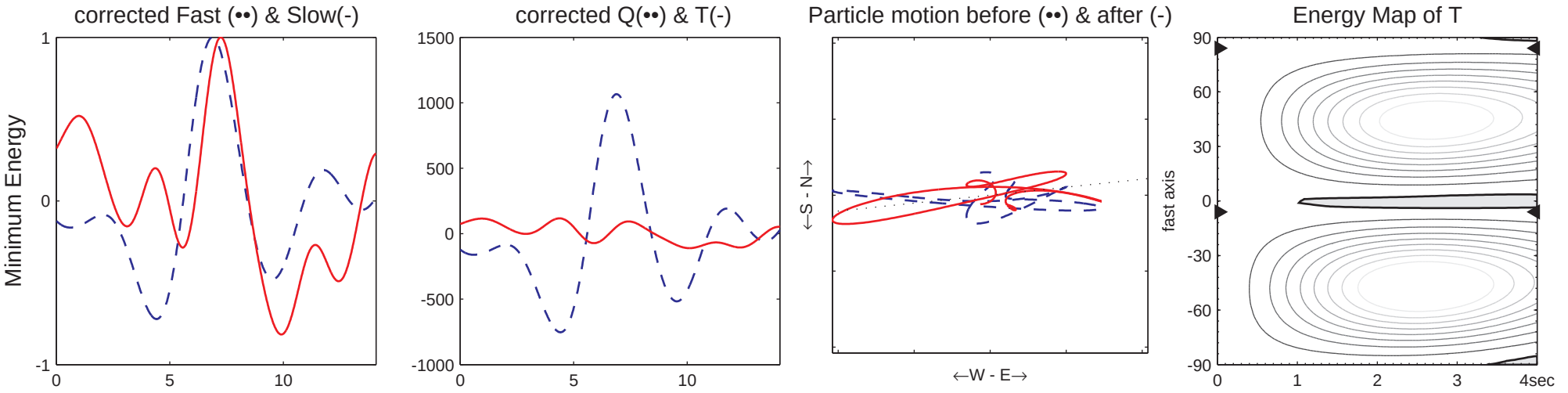


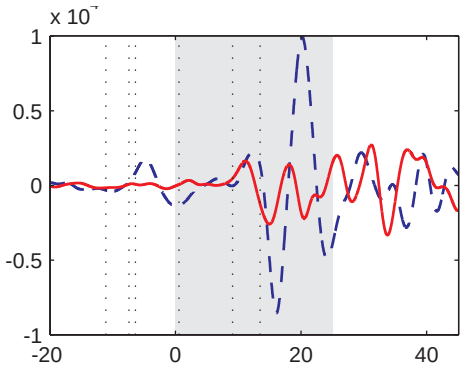
Event: **02-Apr-2011 (092) 10:59 -19.58N -69.06E 84km Mw=5.9**
Station: **DARE** Backazimuth: **264.0”** Distance: **114.75”**
init.Pol.: **99.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

Rotation Correlation: 30< 46° < 65 0.0<0.1s<0.3
Minimum Energy: -Inf< -90° < Inf 0.0<4.0s<Inf
Eigenvalue: -Inf< -86° < Inf 0.0<2.0s<Inf
Quality: **good** IsNull: **Yes** Phase: **SKS**





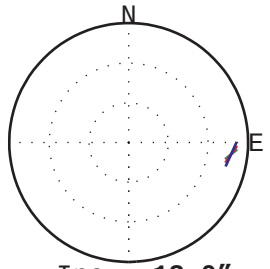




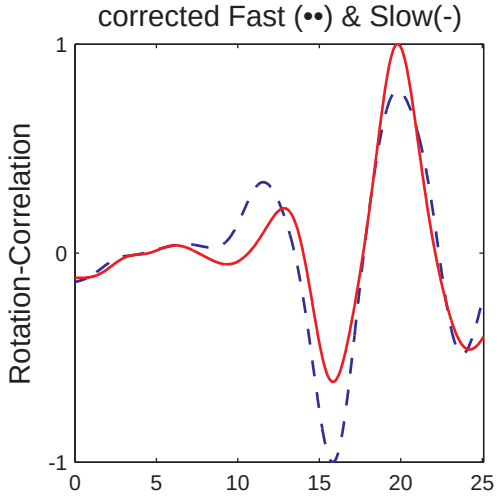
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **DARE** Backazimuth: **96.5”** Distance: **89.19”**
init.Pol.: **274.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

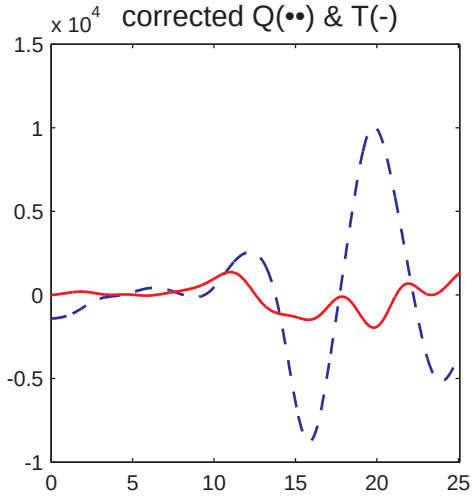
Rotation Correlation:	41<	51° <	63	0.3<0.5s<0.7
Minimum Energy:	15<	35° <	78	0.3<0.6s<1.5
Eigenvalue:	7<	25° <	86	0.3<0.8s<2.1

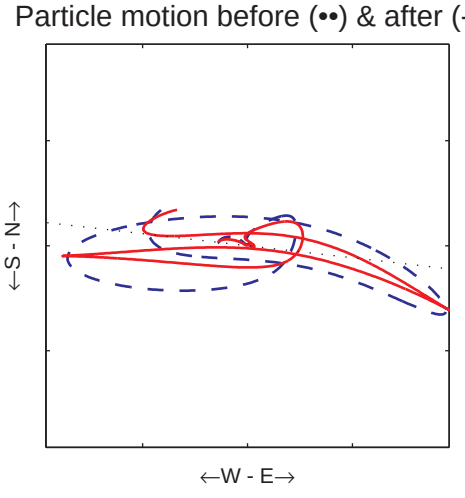
Quality: **fair** IsNull: **No** Phase: **SKKS**

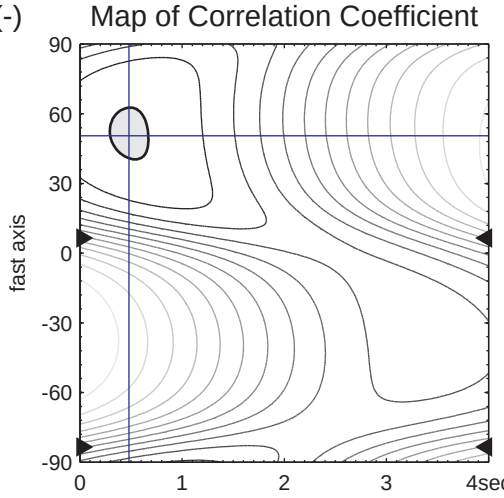


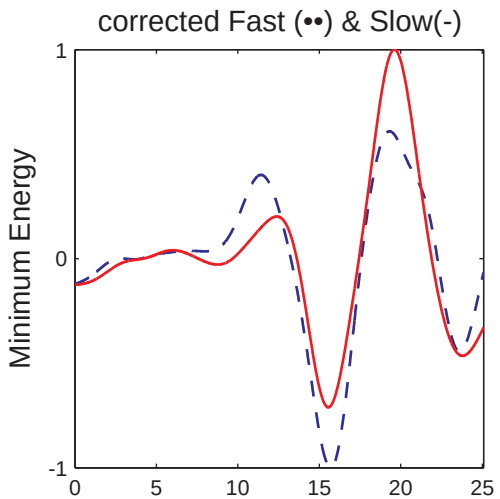
Inc = **13.0”**

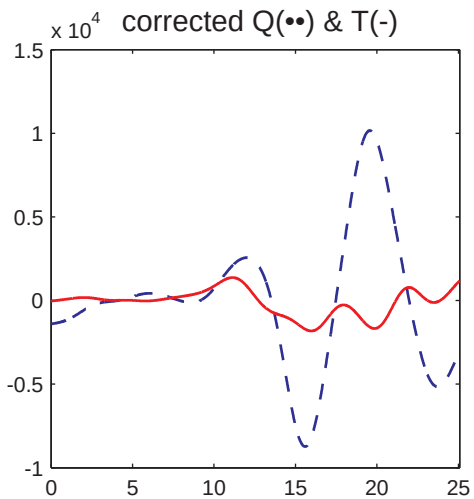


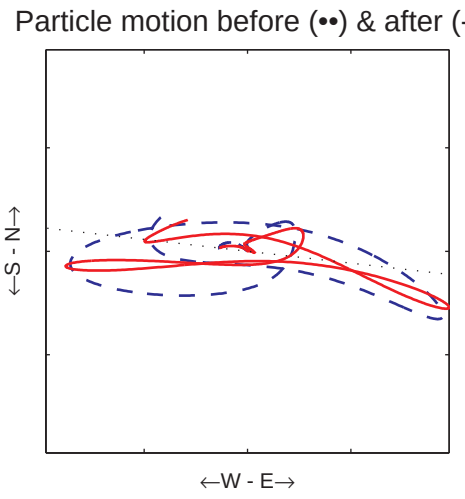


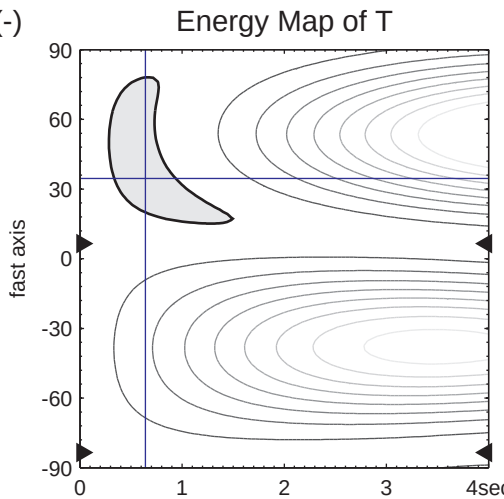


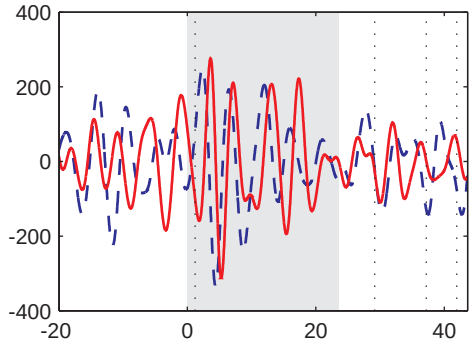








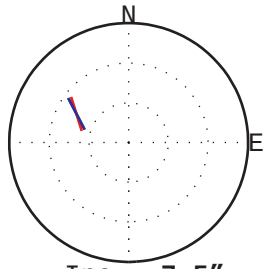


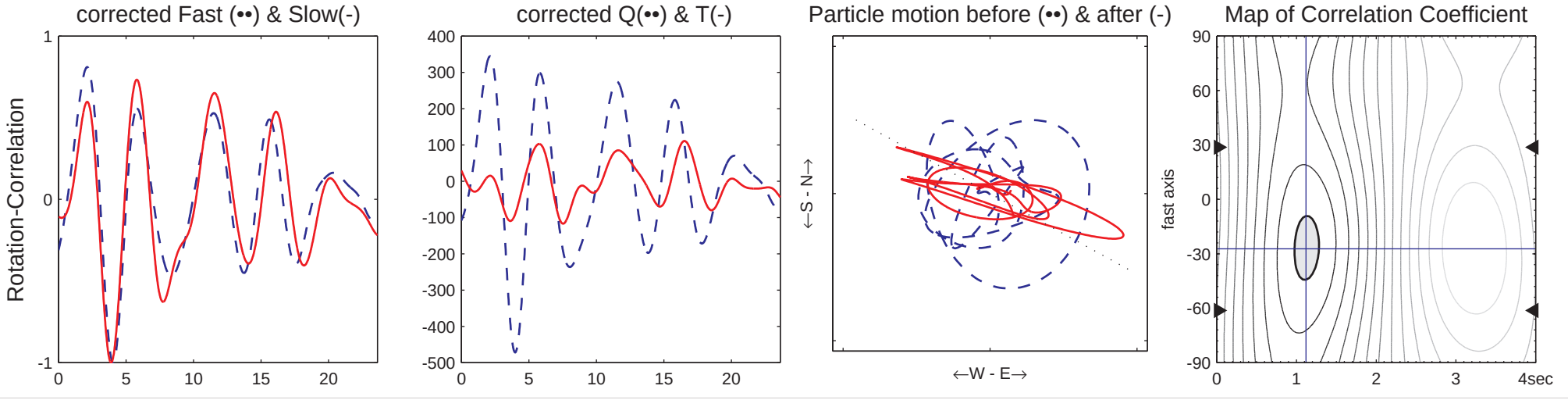


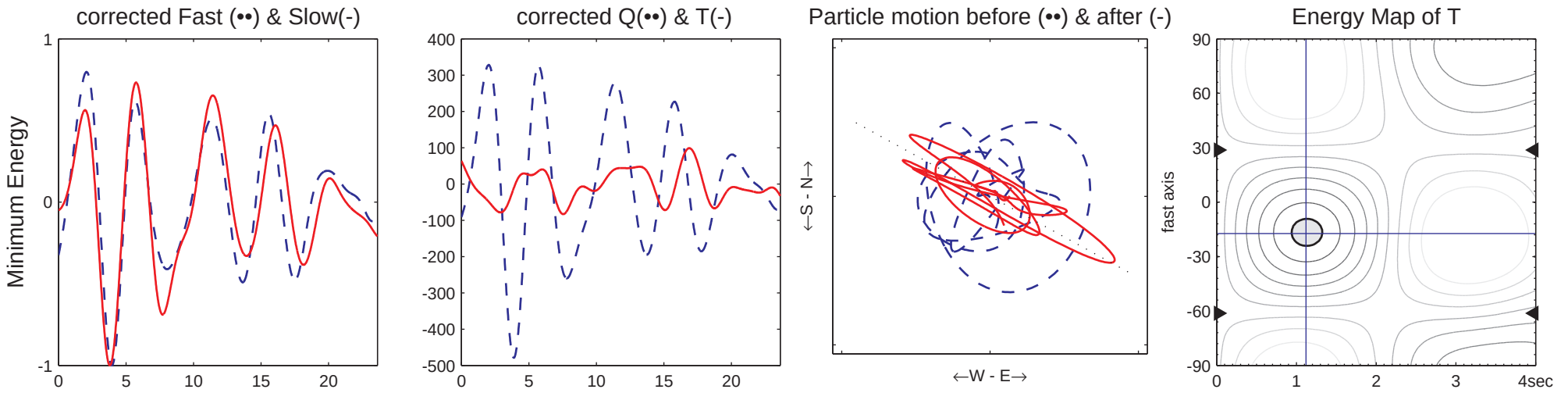
Event: **13-May-2011 (133) 22:47 9.95N -84.31E 72km Mw=5.9**
Station: **DARE** Backazimuth: **298.7”** Distance: **107.34”**
init.Pol.: **106.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

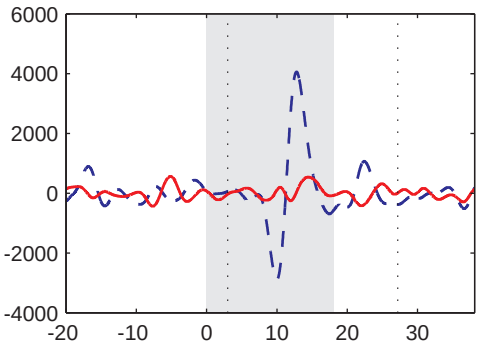
Rotation Correlation:	-46< -27° < -11	1.0<1.1s<1.3
Minimum Energy:	-25< -17° < -11	0.9<1.1s<1.3
Eigenvalue:	-52< -27° < -9	1.0<1.1s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





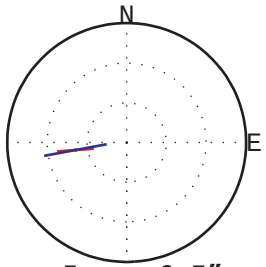




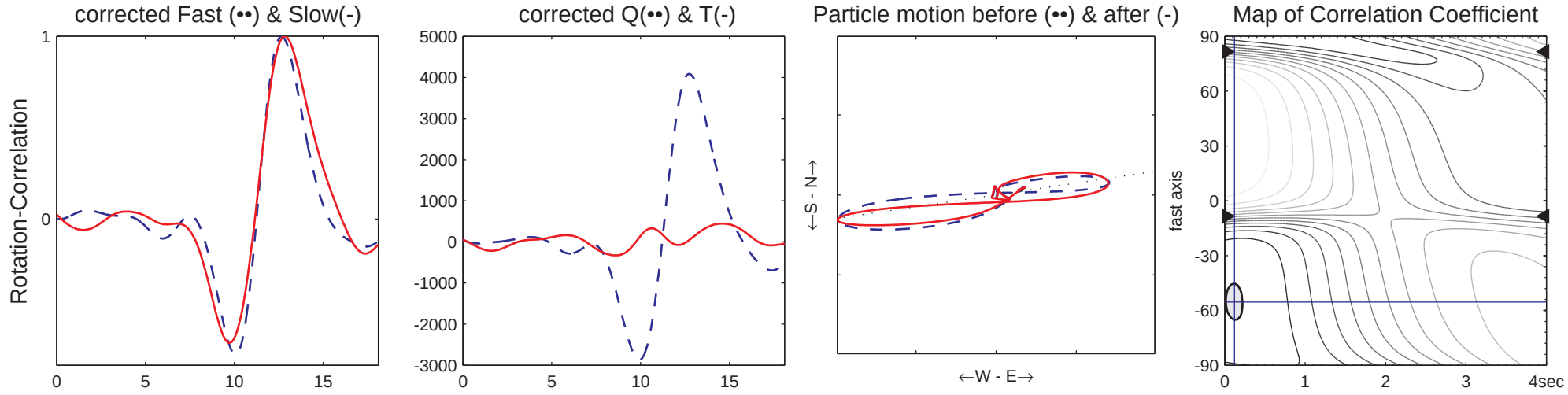
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **DARE** Backazimuth: **261.6”** Distance: **115.29”**
init.Pol.: **73.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.7**

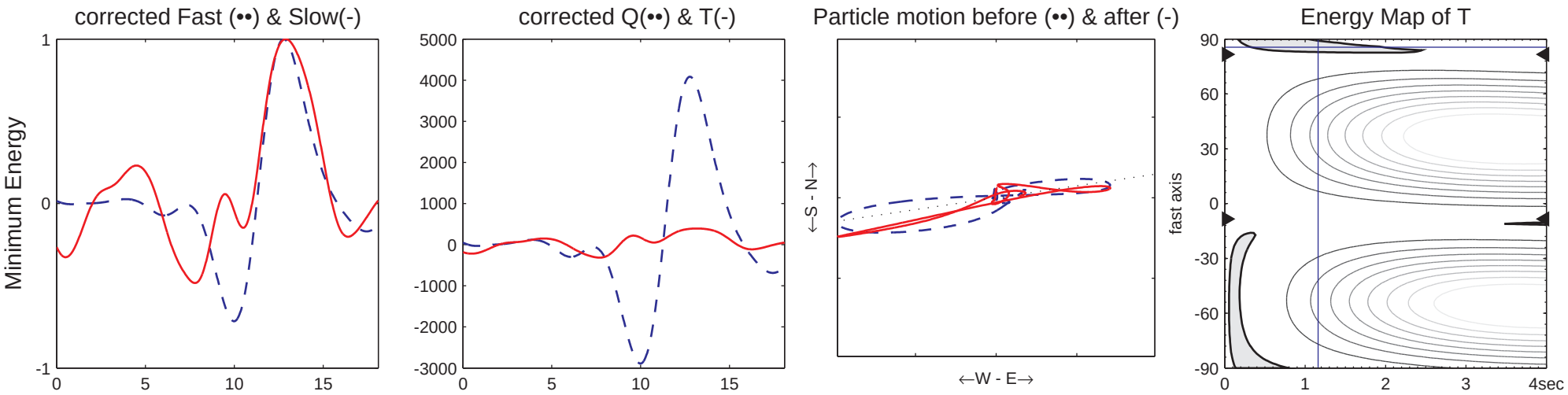
Rotation Correlation:	-66<	-55° < -47	0.0<0.1s<0.2
Minimum Energy:	82<	86° < -17	0.0<1.2s<2.4
Eigenvalue:	78<	80° < 82	1.5<2.0s<2.4

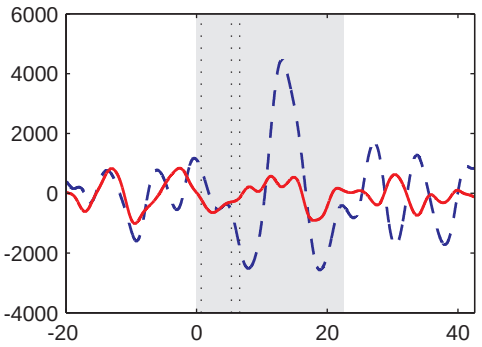
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **6.5”**



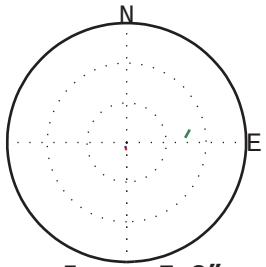




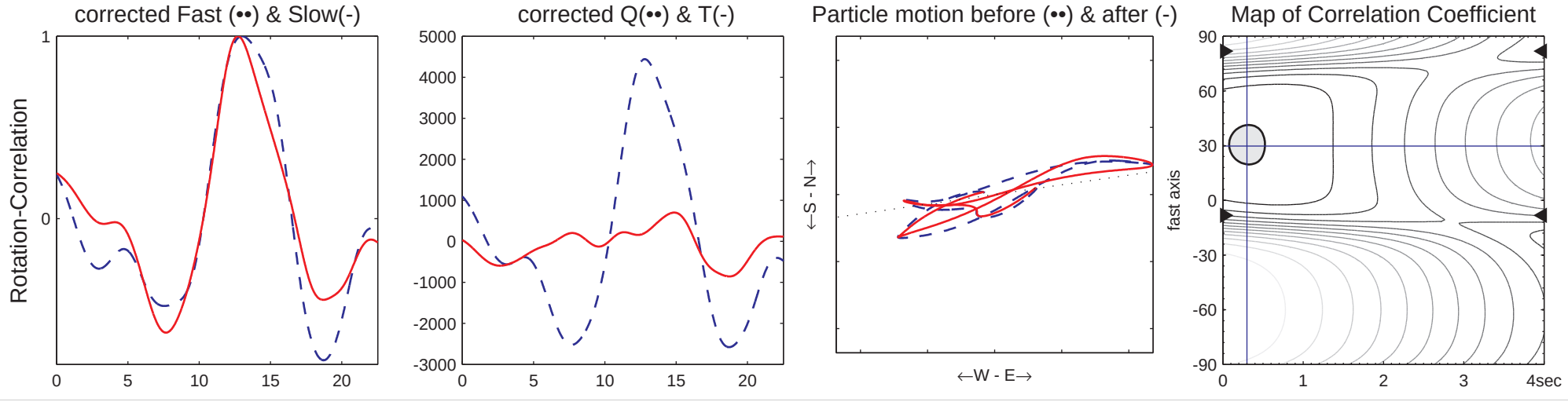
Event: **31-Jul-2011 (212) 23:38 -3.52N 144.83E 10km Mw=6.6**
Station: **DARE** Backazimuth: **81.8”** Distance: **105.72”**
init.Pol.: **264.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.9**

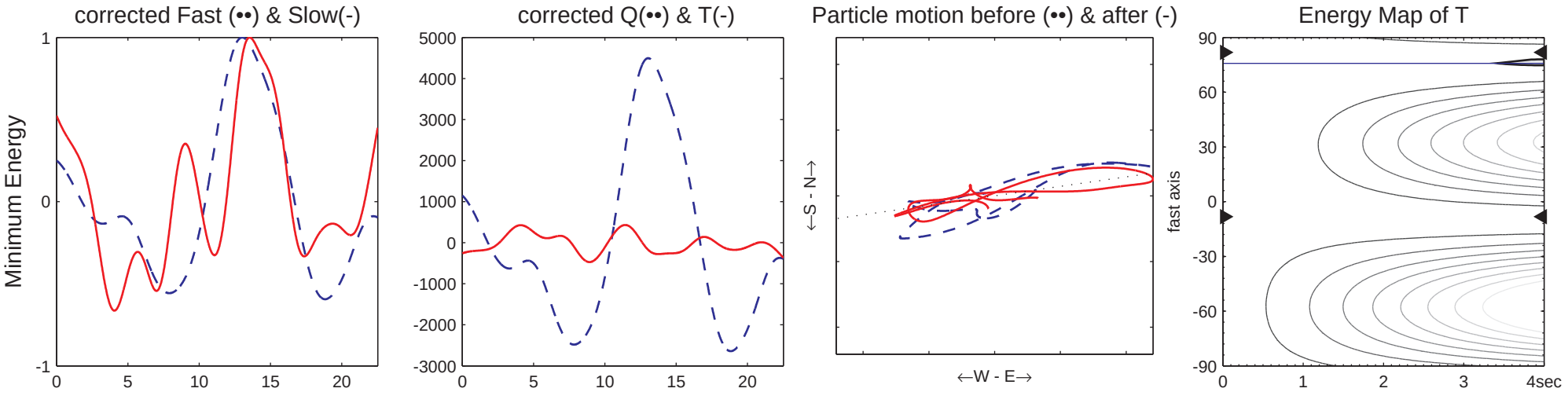
Rotation Correlation:	20<	30° <	42	0.1<0.3s<0.5
Minimum Energy:	74<	76° <	78	3.4<4.0s<4.0
Eigenvalue:	74<	78° <	80	3.4<4.0s<4.0

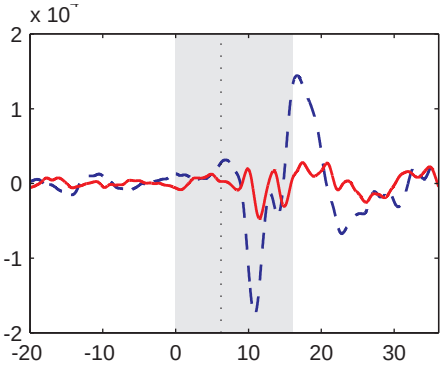
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.8”**



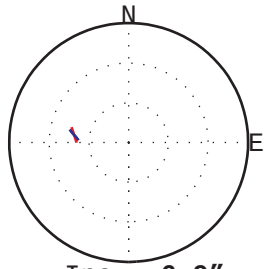


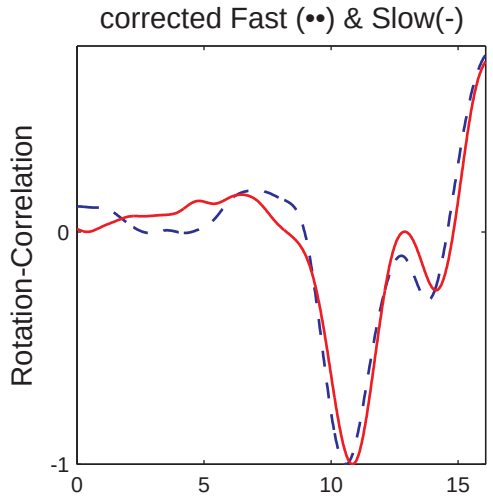


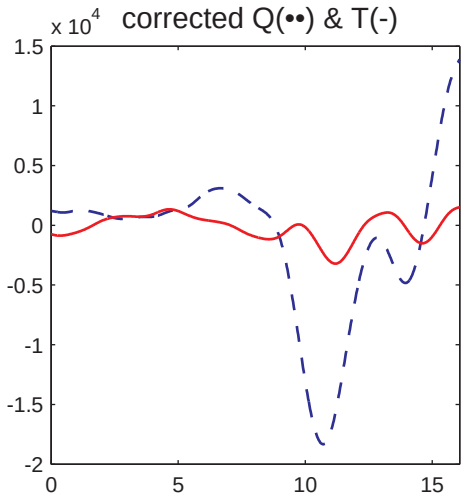
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **DARE** Backazimuth: **277.9”** Distance: **111.92”**
init.Pol.: **91.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.7**

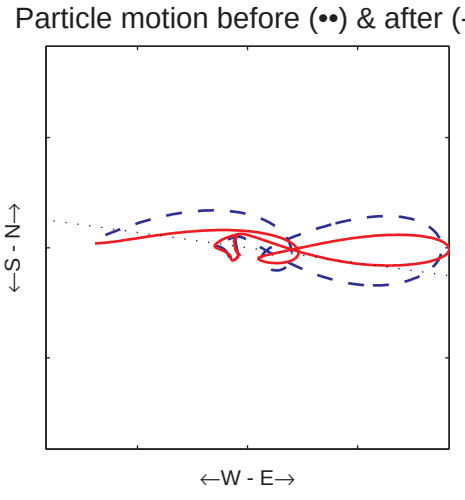
Rotation Correlation:	-56< -43° < -32	0.1<0.3s<0.4
Minimum Energy:	-46< -18° < -7	0.3<0.5s<0.9
Eigenvalue:	-68< -40° < -23	0.3<0.4s<0.6

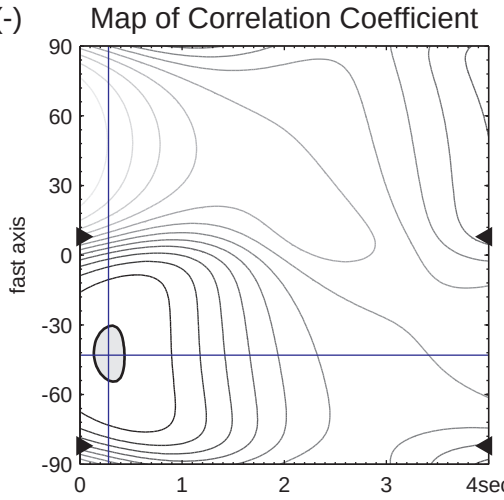
Quality: **fair** IsNull: **No** Phase: **SKS**

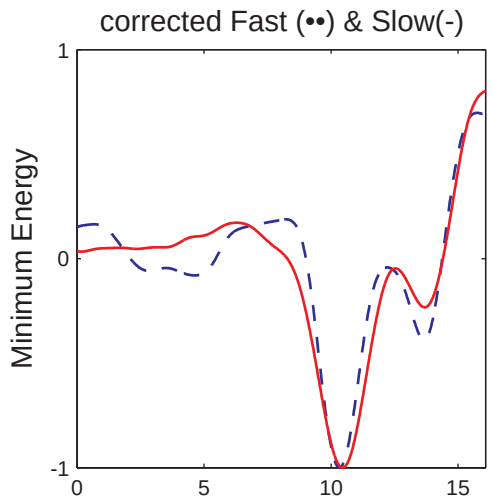


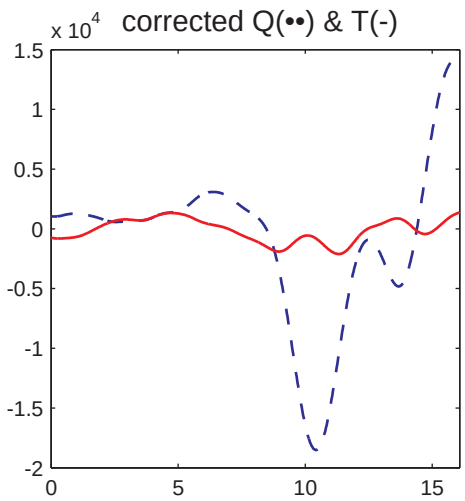


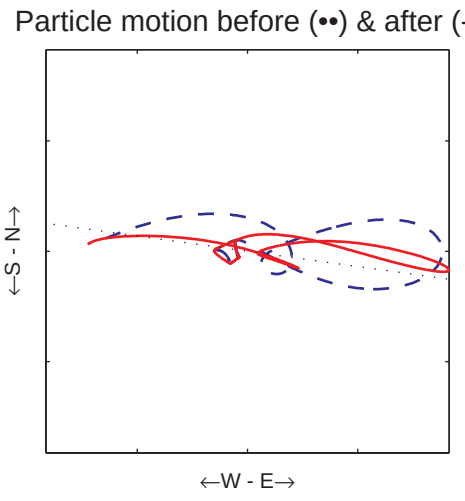


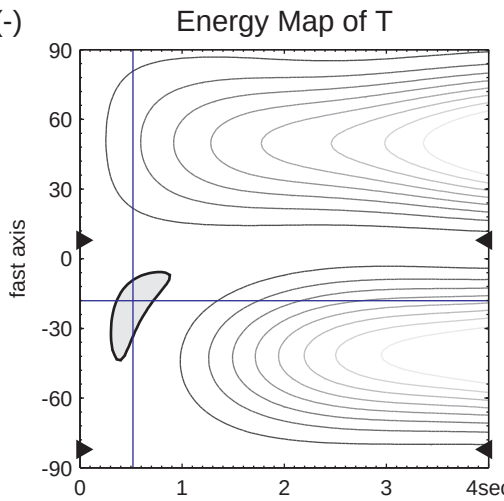


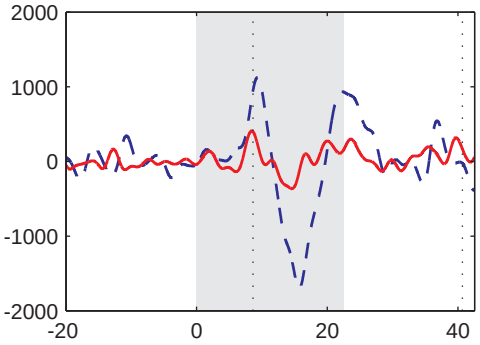








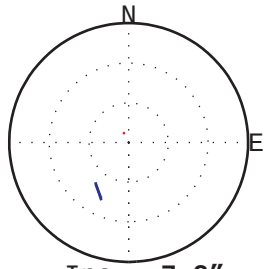




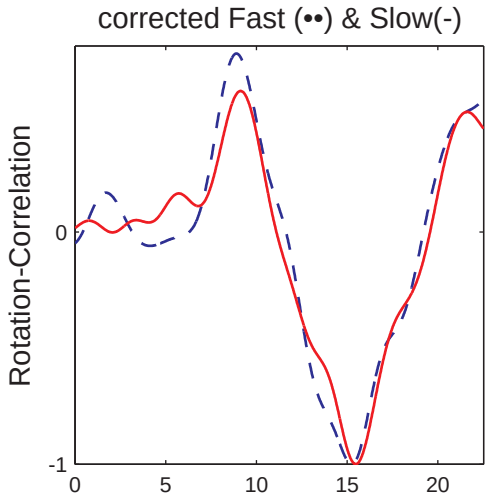
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **DARE** Backazimuth: **211.9”** Distance: **109.42”**
init.Pol.: **23.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.7**

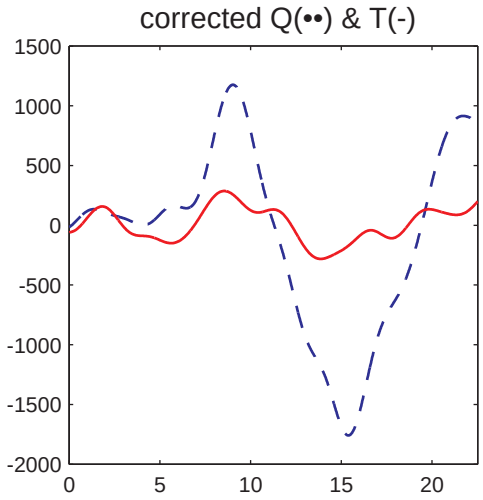
Rotation Correlation:	-39<	-22° <	-6	0.2<0.5s<0.8
Minimum Energy:	19<	24° <	27	2.8<4.0s<4.0
Eigenvalue:	-56<	-18° <	7	0.4<0.6s<1.1

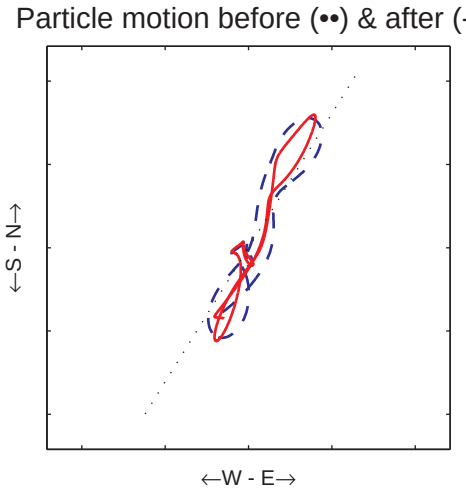
Quality: **good** IsNull: **Yes** Phase: **SKS**

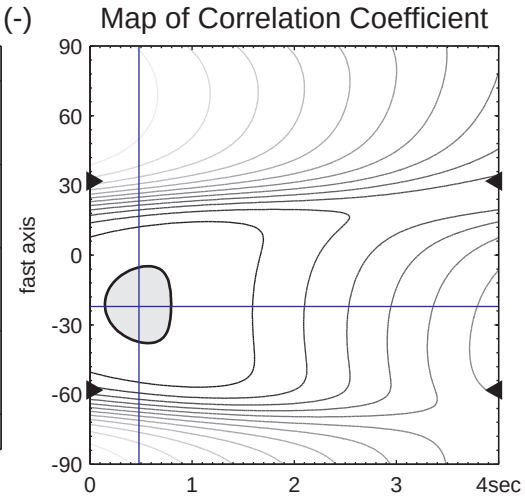


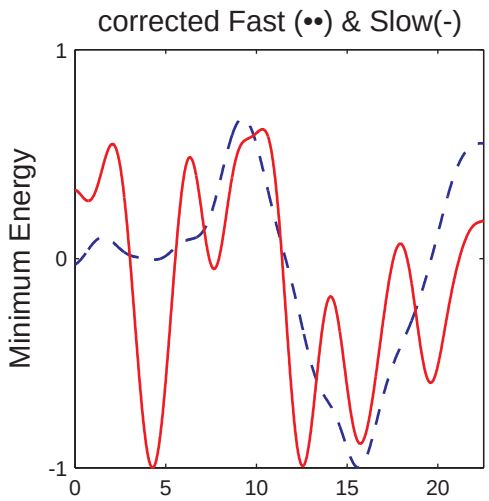
Inc = **7.2”**

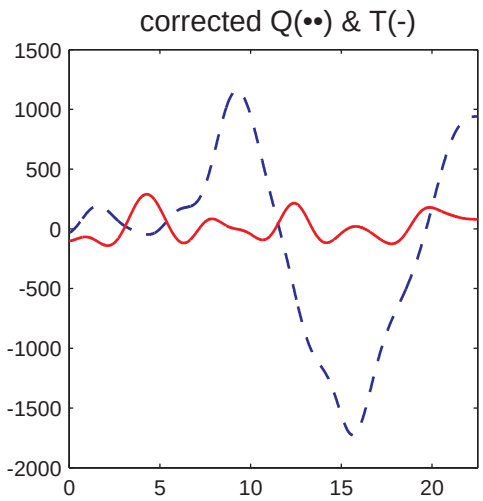


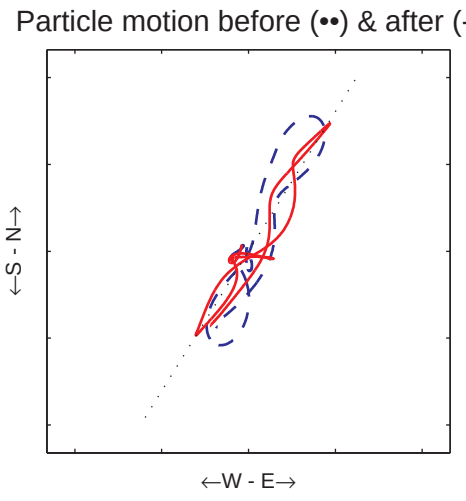


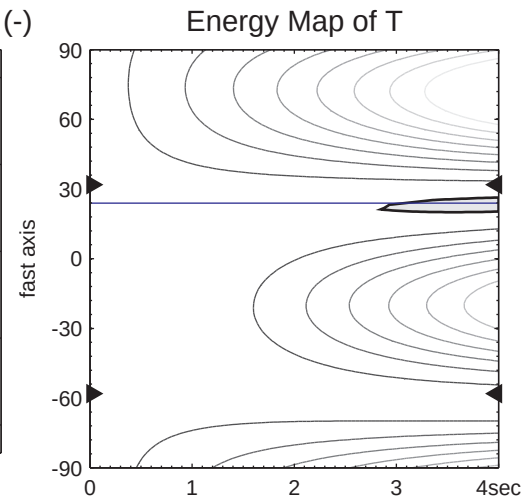


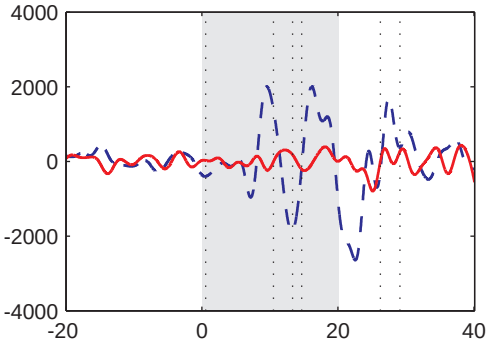








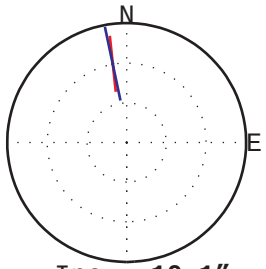




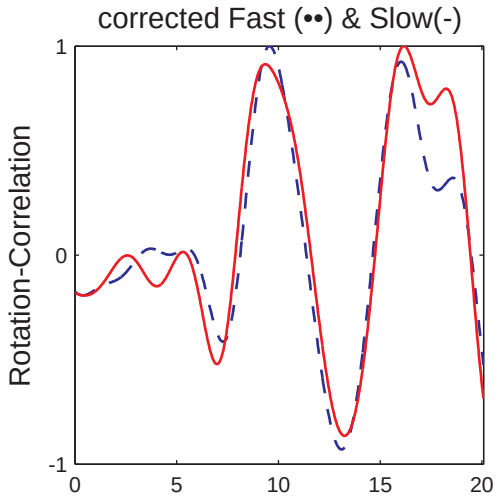
Event: **09-Sep-2011 (252) 19:41 49.53N -126.89E 22km Mw=6.4**
Station: **DARE** Backazimuth: **349.9”** Distance: **90.82”**
init.Pol.: **159.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.7**

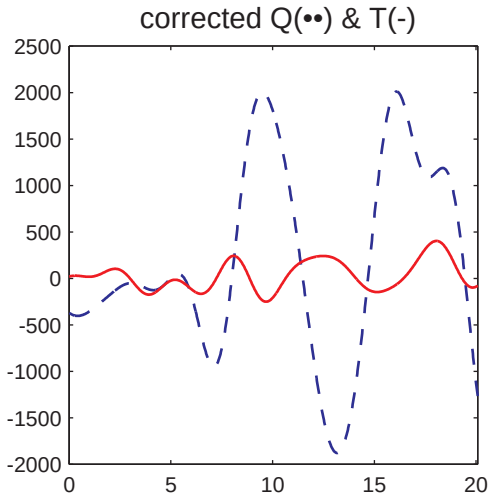
Rotation Correlation:	26<	36° <	48	0.0<0.1s<0.2
Minimum Energy:	-11<	-6° <	-5	0.8<1.8s<2.3
Eigenvalue:	-17<	-12° <	-11	2.0<2.4s<2.6

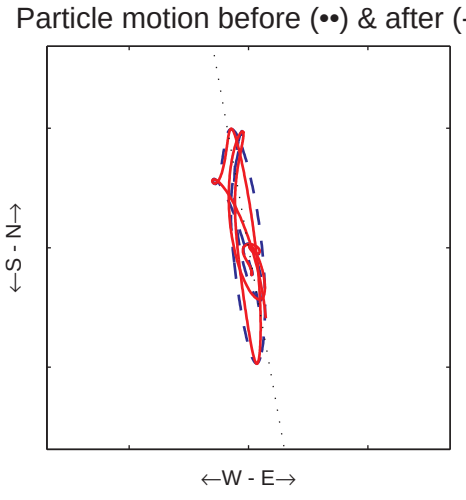
Quality: **good** IsNull: **Yes** Phase: **SKS**

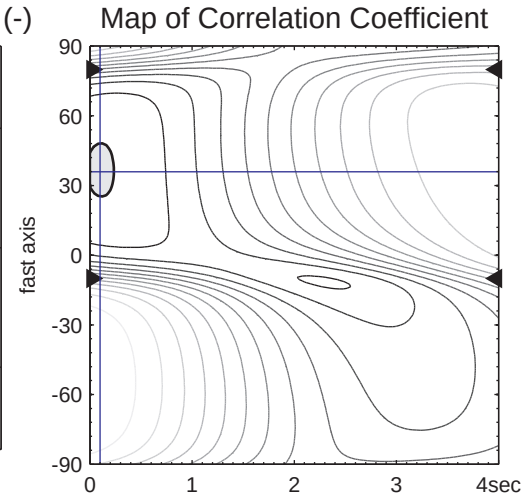


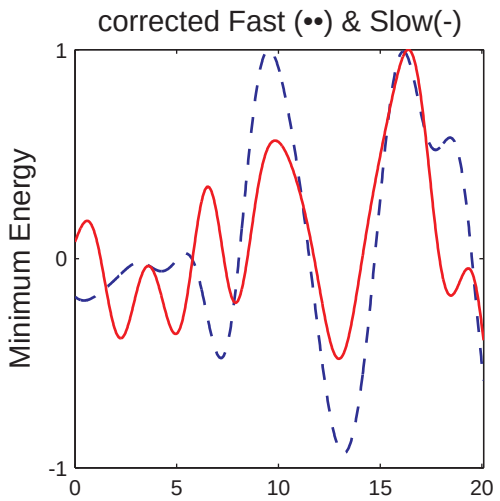
Inc = **10.1”**

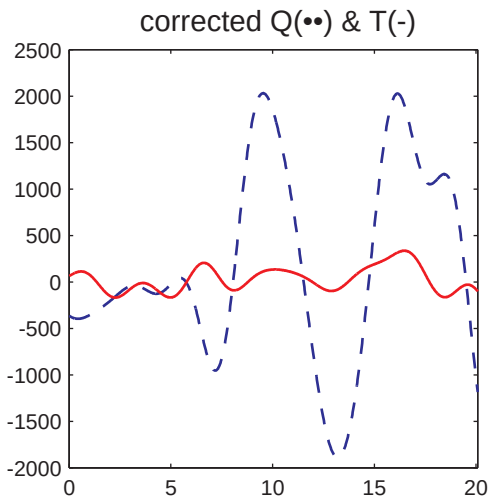


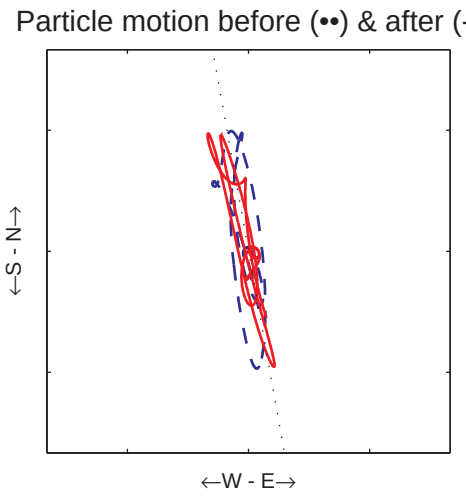


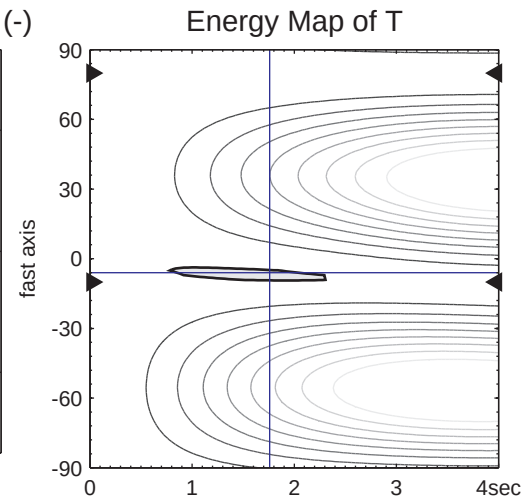


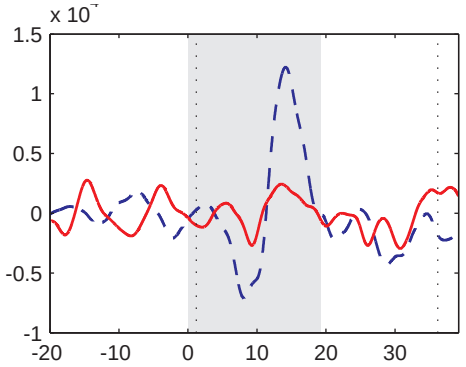








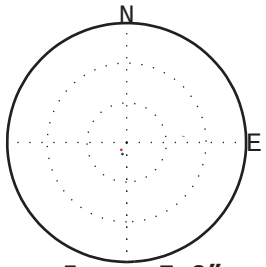


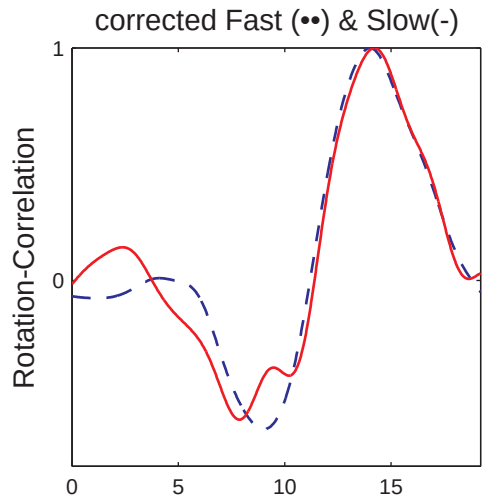


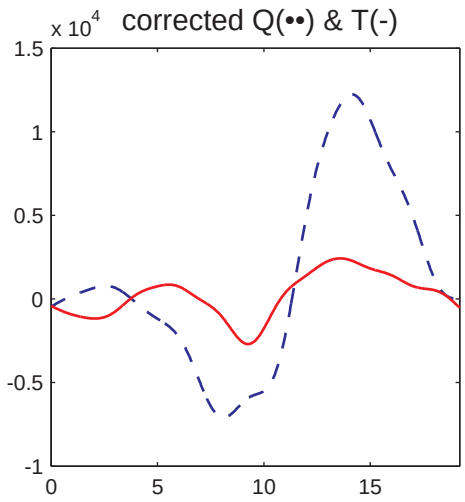
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **DARE** Backazimuth: **83.8”** Distance: **109.78”**
init.Pol.: **255.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

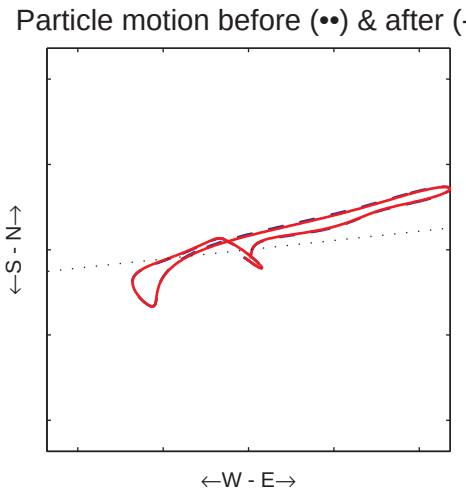
Rotation Correlation:	12<	28° <	46	0.0<0.0s<0.4
Minimum Energy:	74<	78° <	82	2.8<4.0s<4.0
Eigenvalue:	70<	74° <	76	1.6<4.0s<4.0

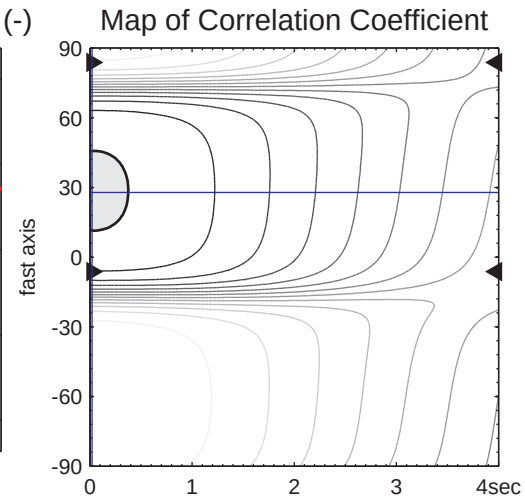
Quality: **good** IsNull: **Yes** Phase: **SKS**

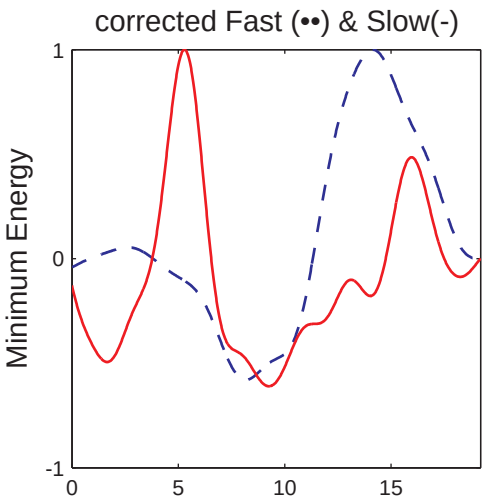


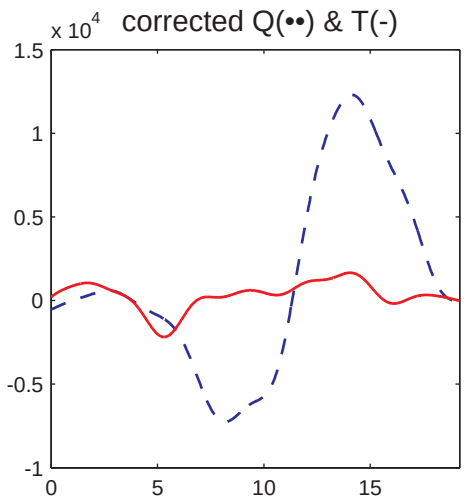


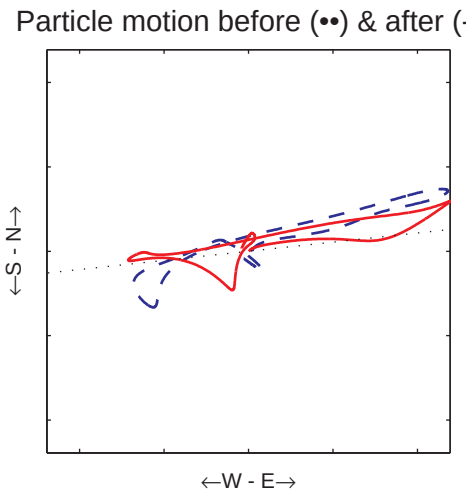


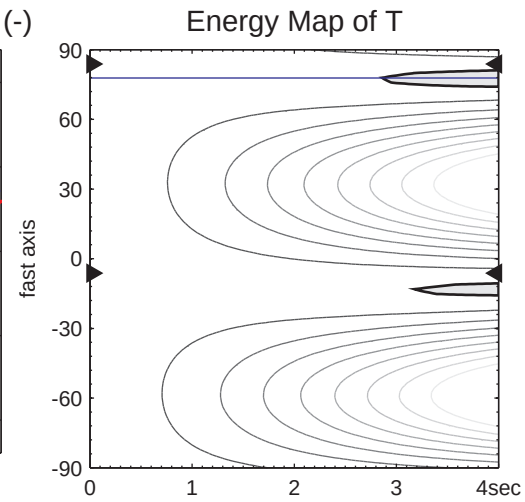


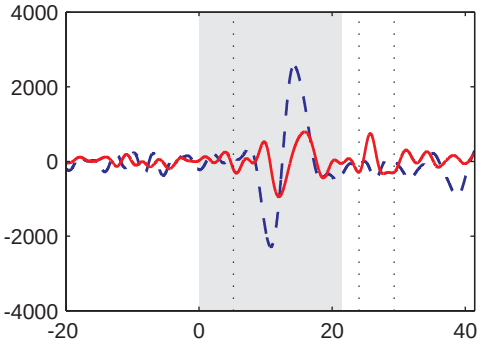








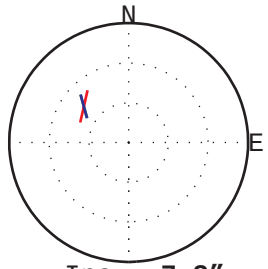




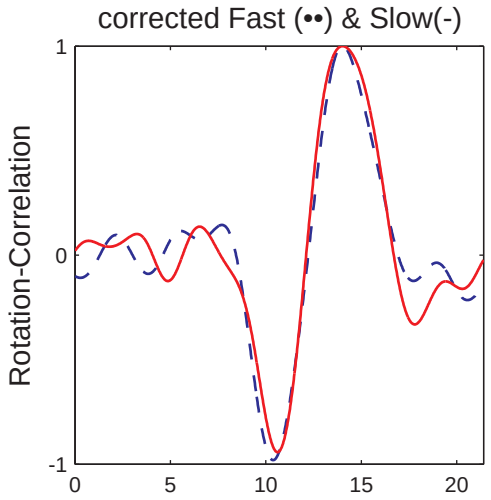
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **DARE** Backazimuth: **308.8”** Distance: **109.30”**
init.Pol.: **119.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

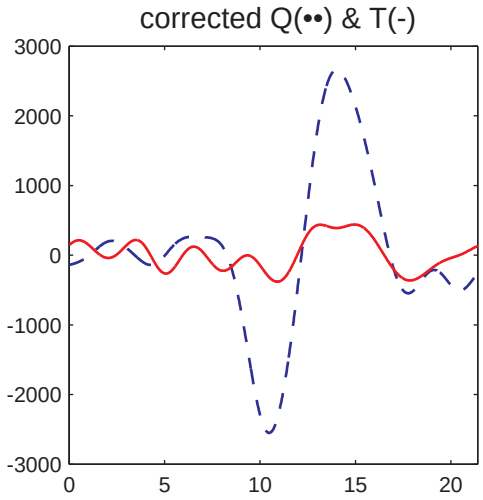
Rotation Correlation:	-31<	-16° <	-2	0.6<0.8s<1.0
Minimum Energy:	-7<	13° <	23	0.7<1.0s<1.5
Eigenvalue:	-43<	-15° <	7	0.6<0.8s<1.1

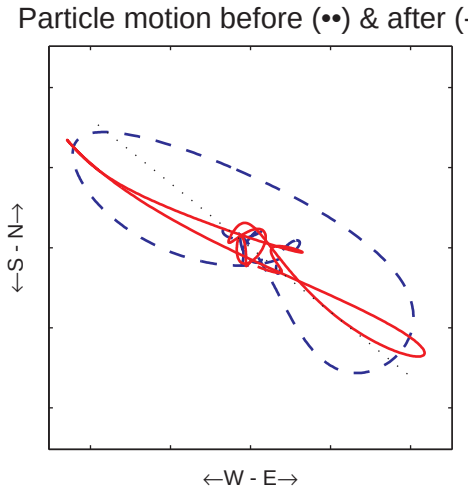
Quality: **fair** IsNull: **No** Phase: **SKS**

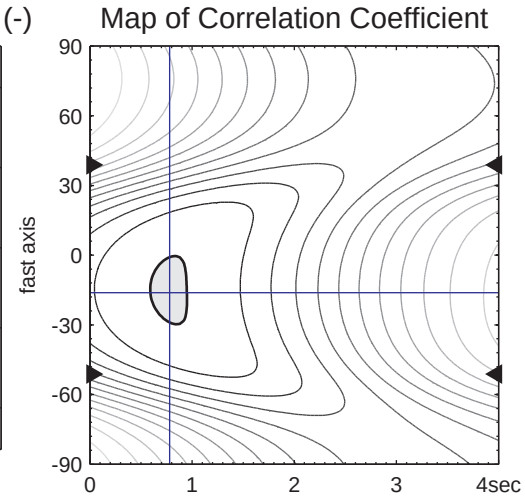


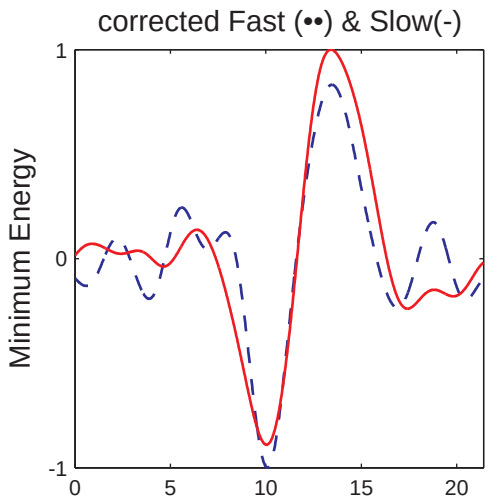
Inc = **7.3”**

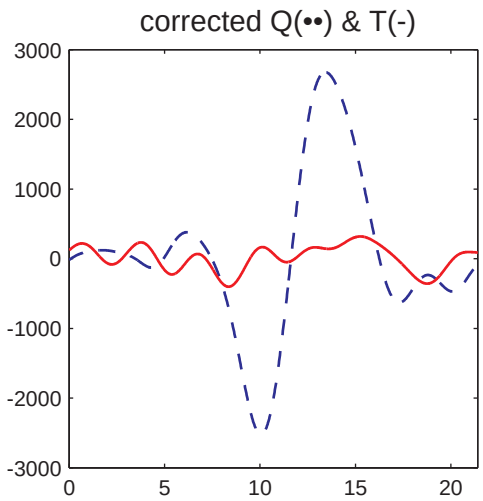


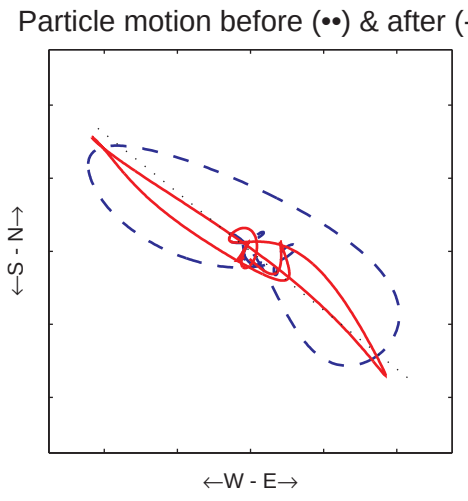


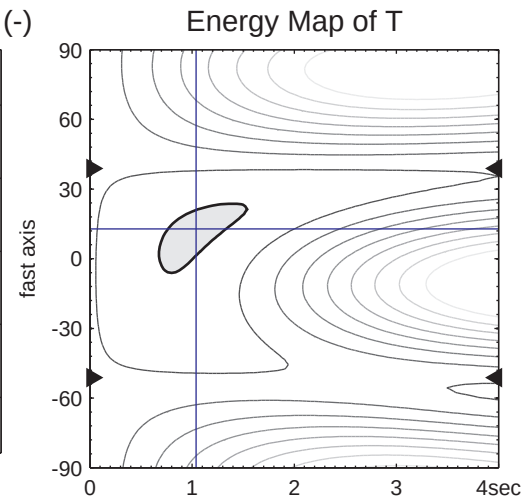


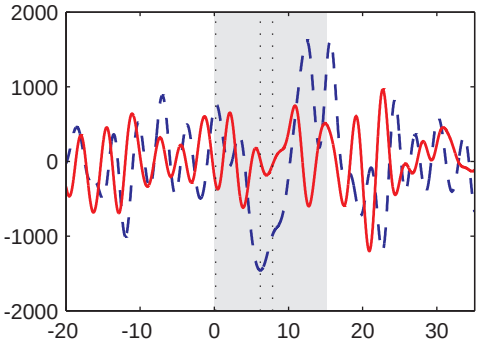








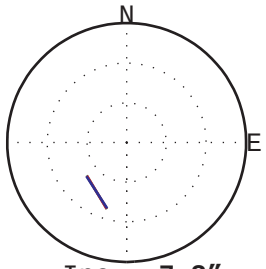




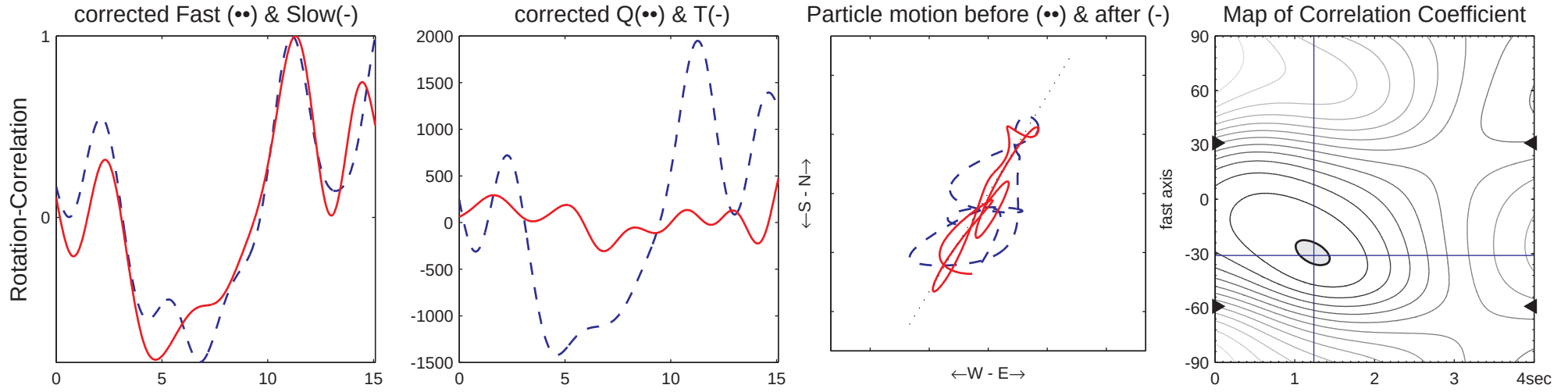
Event: **22-Jan-2012 (022) 05:53 -56.76N -25.15E 13km Mw=6.0**
Station: **DARE** Backazimuth: **211.0”** Distance: **108.93”**
init.Pol.: **28.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

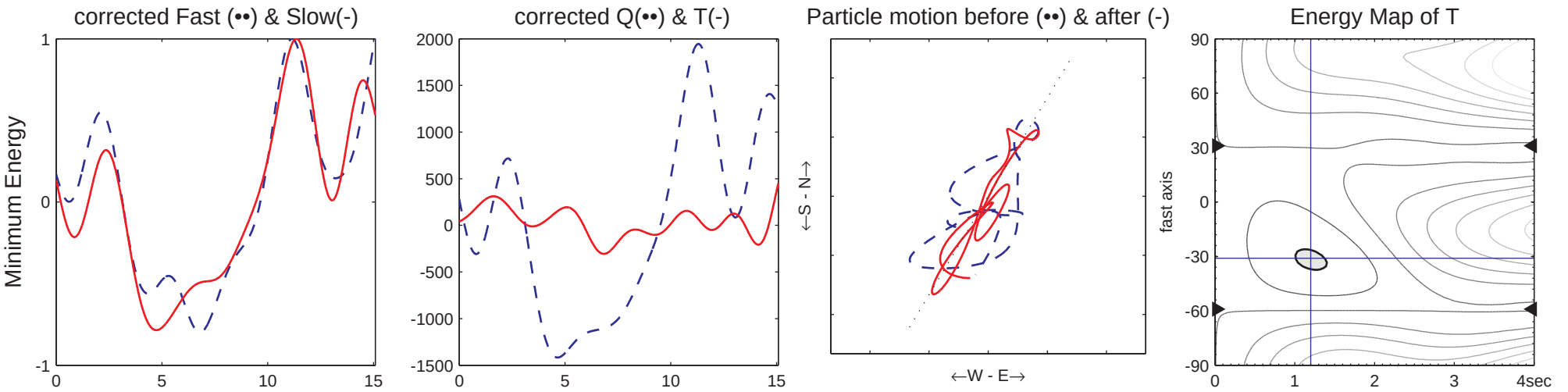
Rotation Correlation:	-38< -31° < -24	1.0<1.2s<1.4
Minimum Energy:	-39< -31° < -27	1.0<1.2s<1.4
Eigenvalue:	-41< -33° < -29	1.0<1.2s<1.4

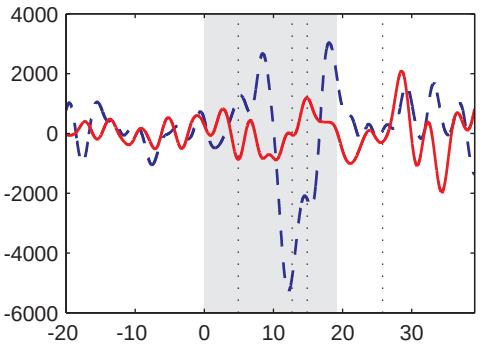
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.3”**



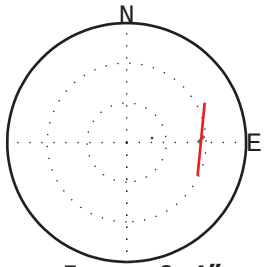




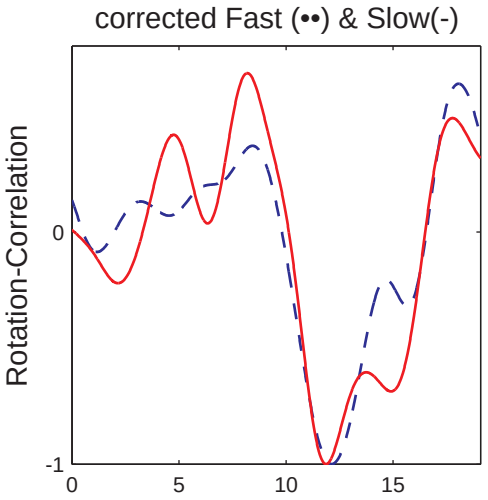
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **DOGA** Backazimuth: **87.5”** Distance: **94.71”**
init.Pol.: **284.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

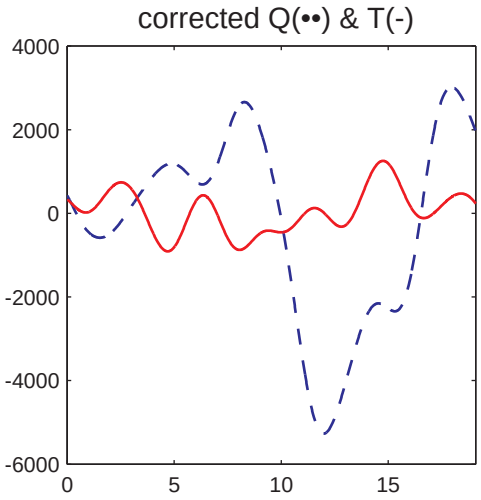
Rotation Correlation:	38<	47° <	58	0.1<0.3s<0.5
Minimum Energy:	1<	6° <	11	1.3<2.3s<3.1
Eigenvalue:	-Inf<	-88° <	Inf	0.0<3.1s<Inf

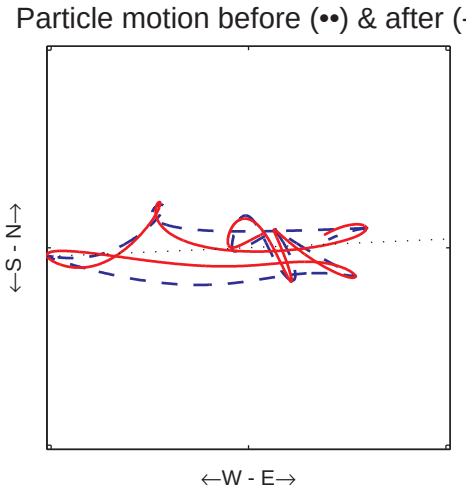
Quality: **good** IsNull: **Yes** Phase: **SKS**

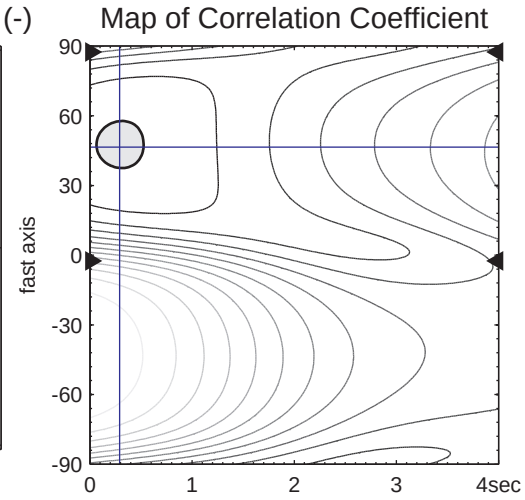


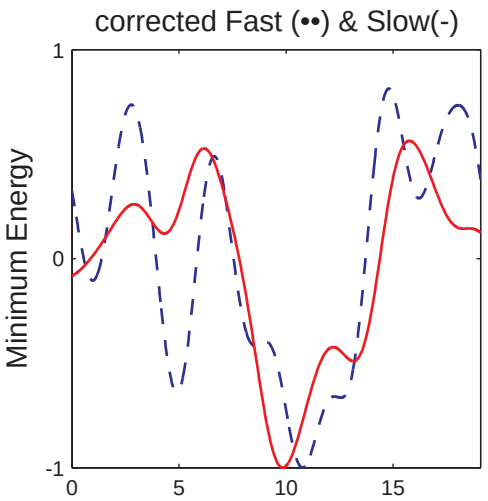
Inc = **9.4”**

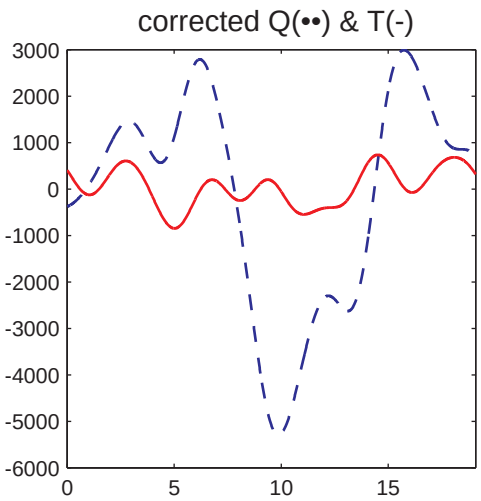


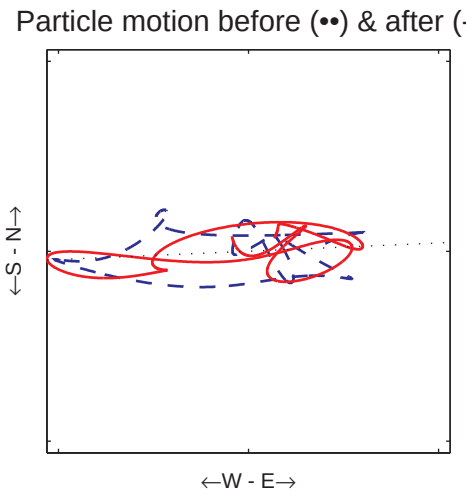


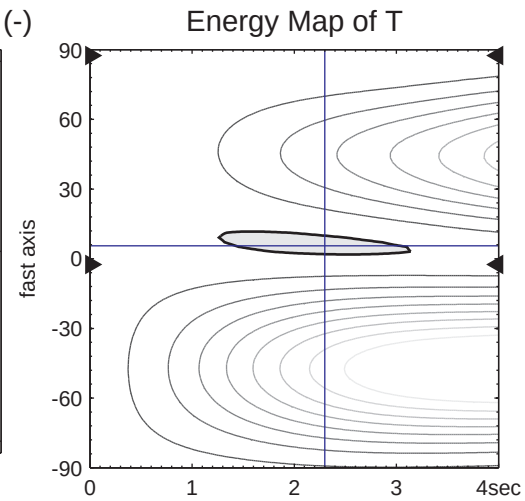


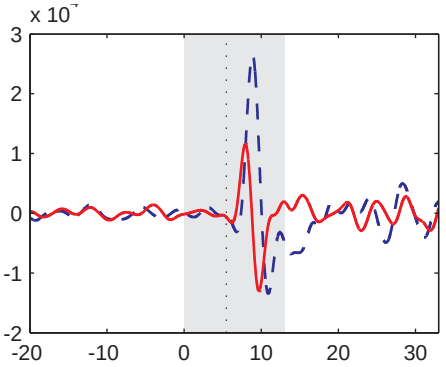








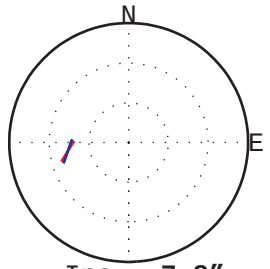


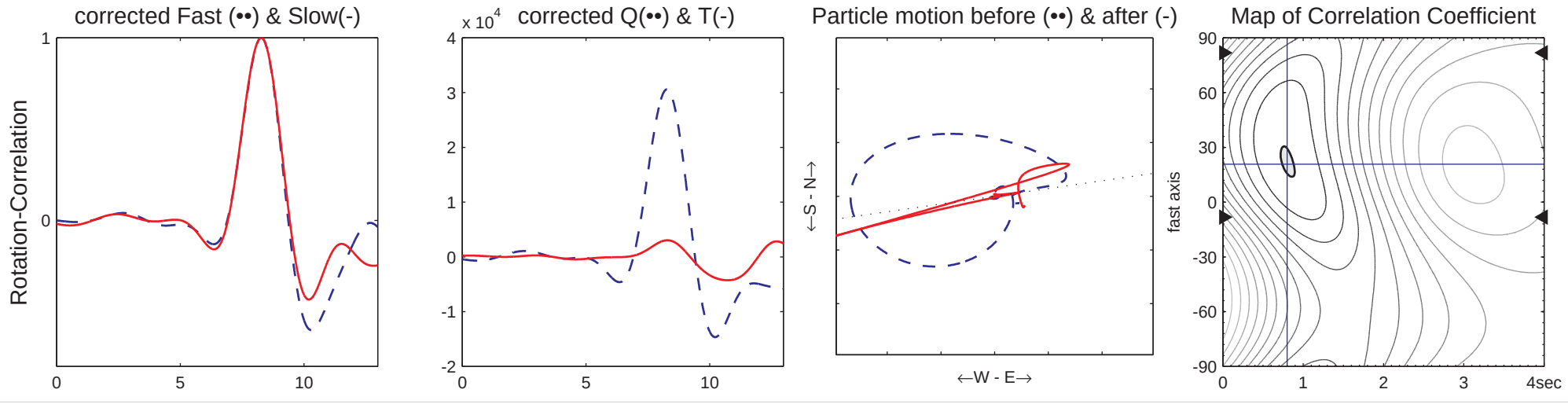


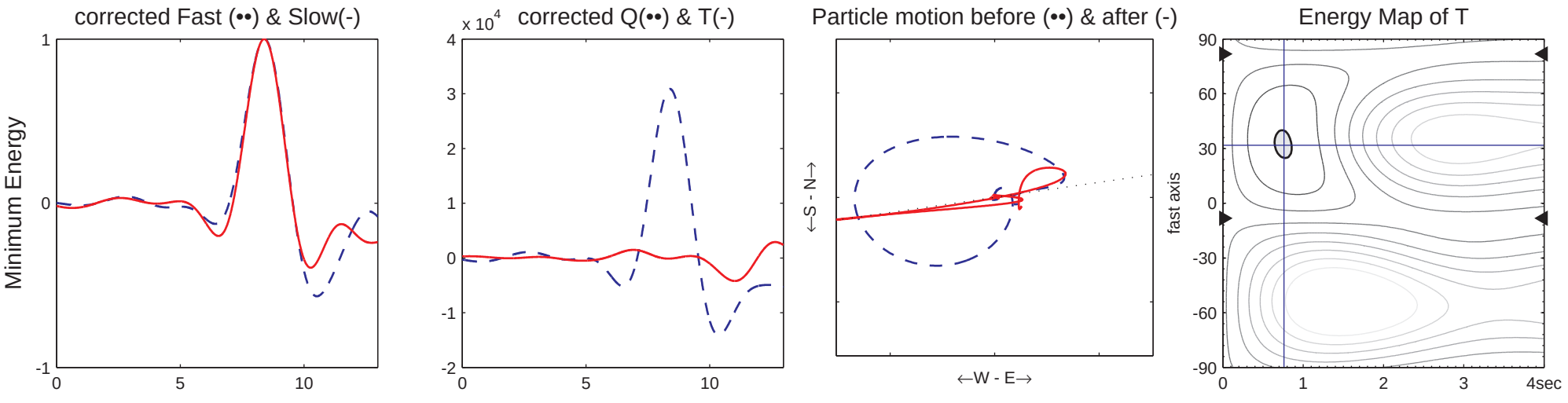
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **DOGA** Backazimuth: **261.8”** Distance: **104.64”**
init.Pol.: **74.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.9**

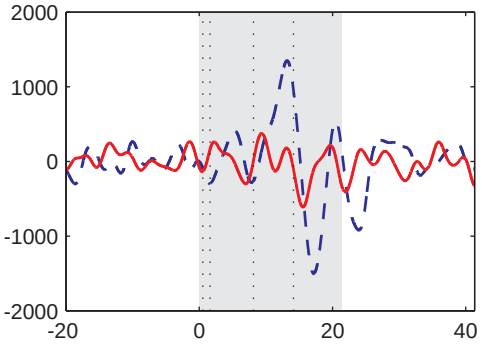
Rotation Correlation:	14<	21° <	31	0.7<0.8s<0.9
Minimum Energy:	25<	32° <	39	0.6<0.8s<0.9
Eigenvalue:	9<	20° <	33	0.7<0.8s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





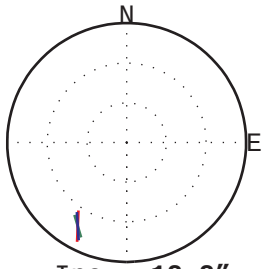




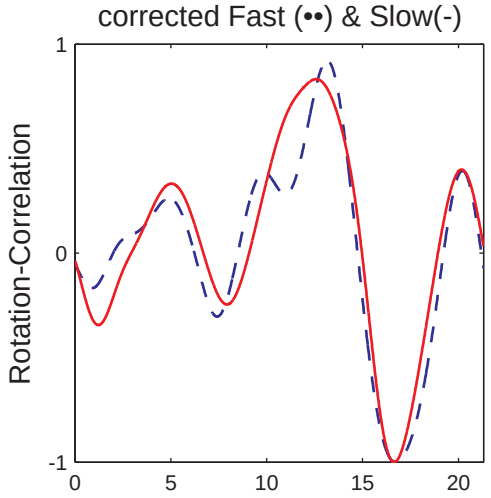
Event: **11-Dec-2011 (345) 09:54 -56.01N -28.18E 116km** Mw=**6.2**
Station: **DOGA** Backazimuth: **210.3”** Distance: **106.90”**
init.Pol.: **28.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

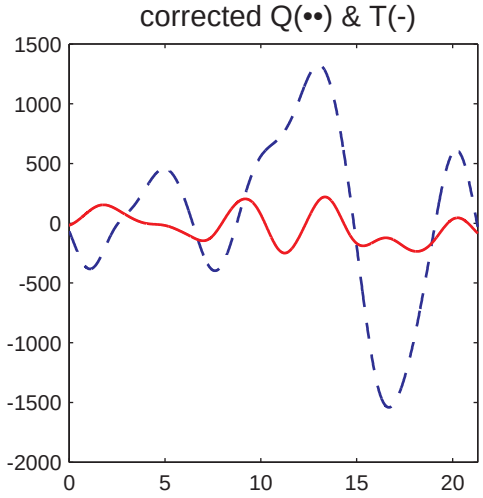
Rotation Correlation:	-28<	-17° < -9	0.6<0.7s<0.9
Minimum Energy:	-13<	2° < 11	0.7<1.0s<1.3
Eigenvalue:	-31<	-4° < 11	0.6<0.9s<1.3

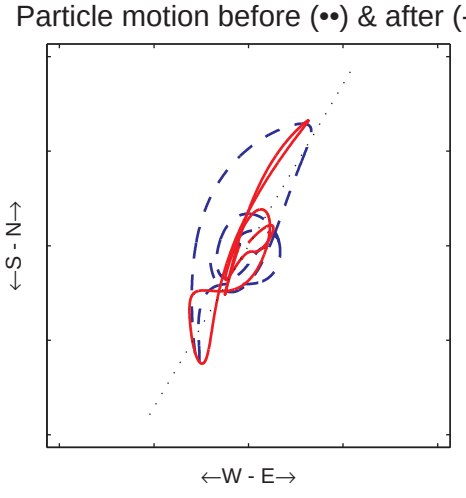
Quality: **fair** IsNull: **No** Phase: **SKKS**

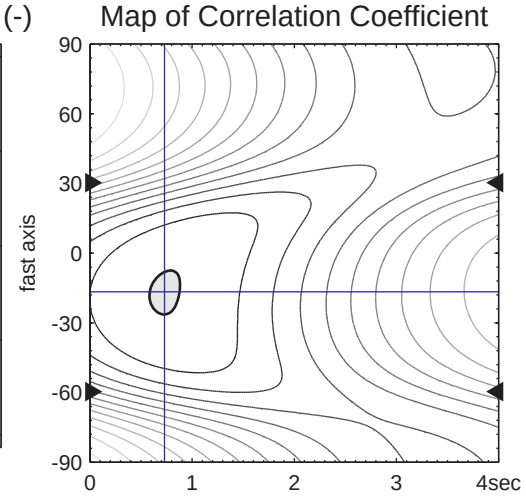


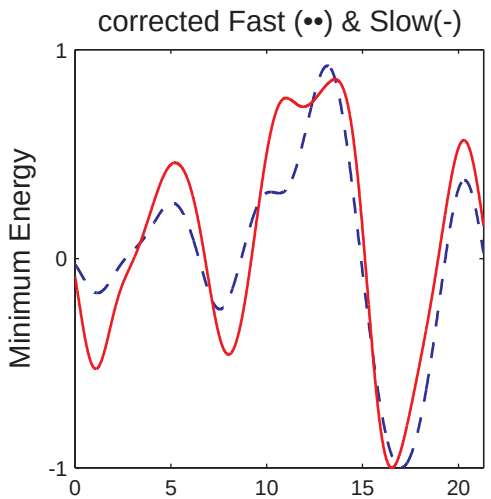
Inc = **12.2”**

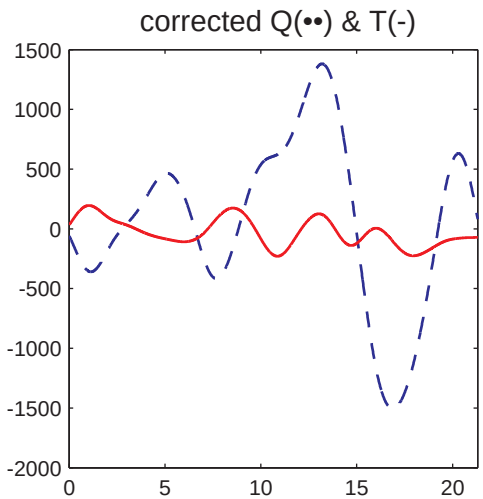


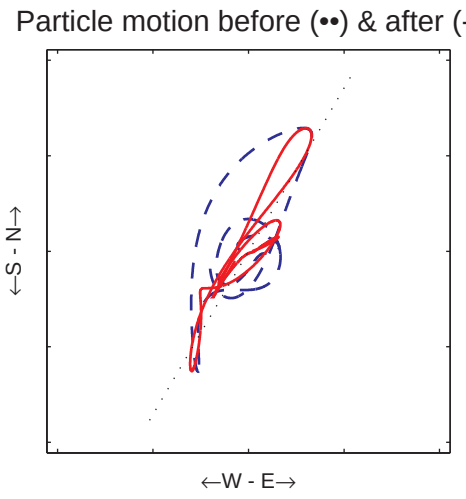


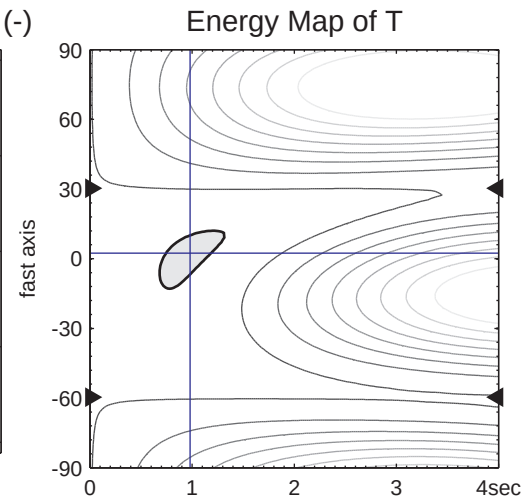


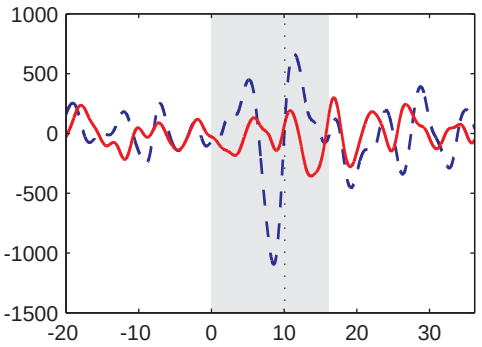






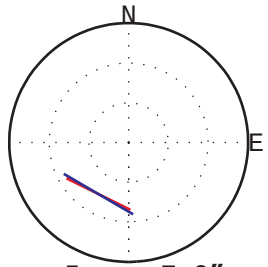




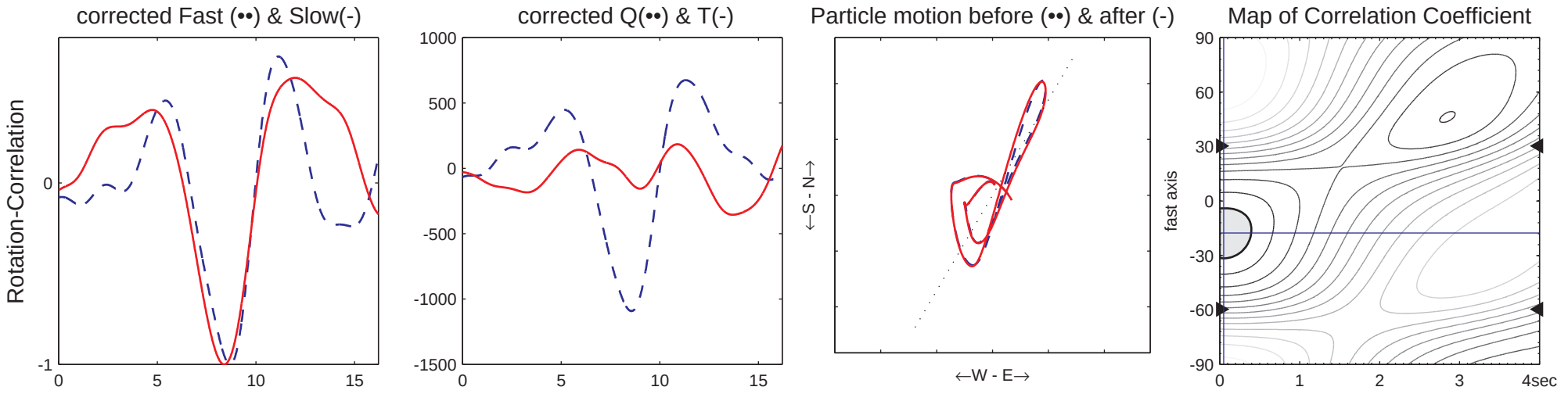


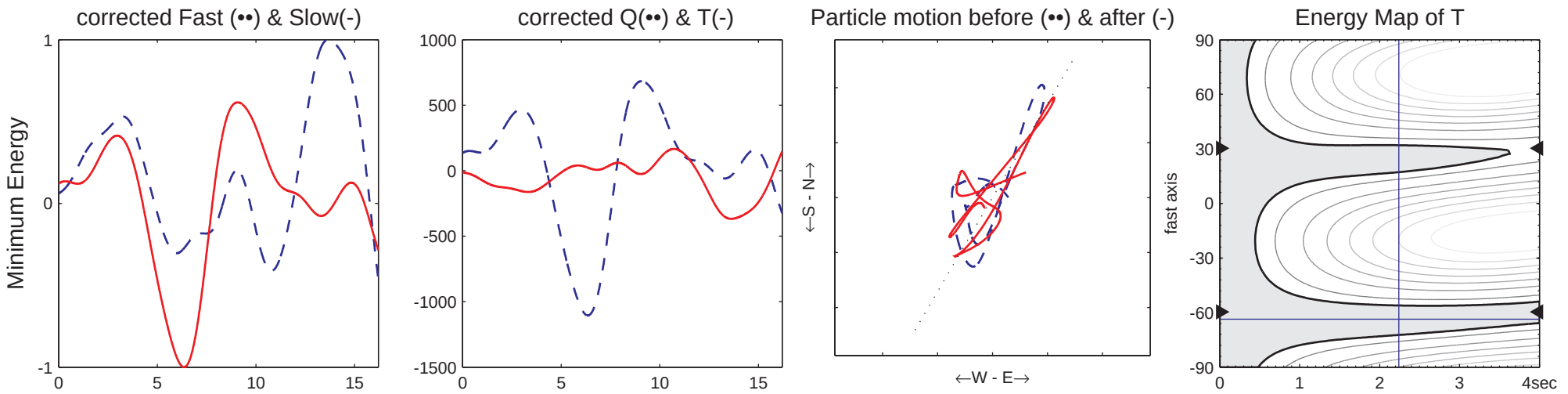
Event: **11-Dec-2011 (345) 09:54 -56.01N -28.18E 116km** Mw=**6.2**
Station: **DOGA** Backazimuth: **210.3”** Distance: **106.90”**
init.Pol.: **38.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.0**

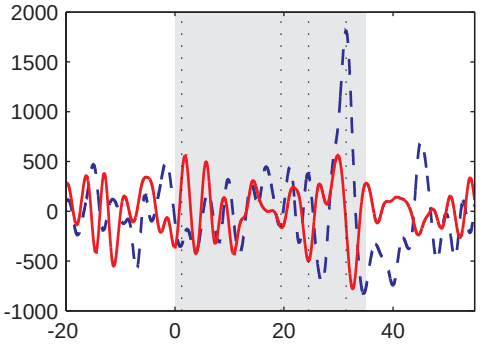
Rotation Correlation: -33< **-18°** < -5 0.0<0.1s<0.4
Minimum Energy: -Inf< **-64°** < Inf 0.0<2.2s<Inf
Eigenvalue: -Inf< **-60°** < Inf 0.0<2.5s<Inf
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.6”**



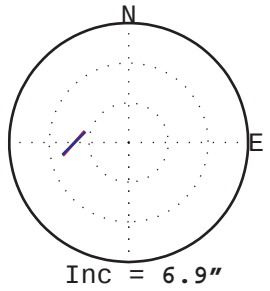


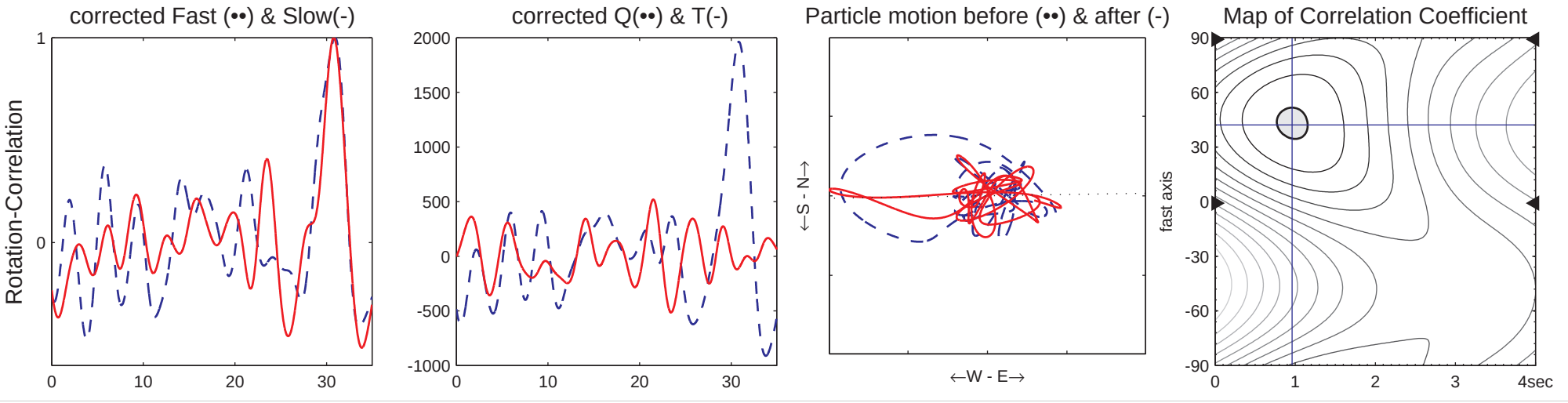


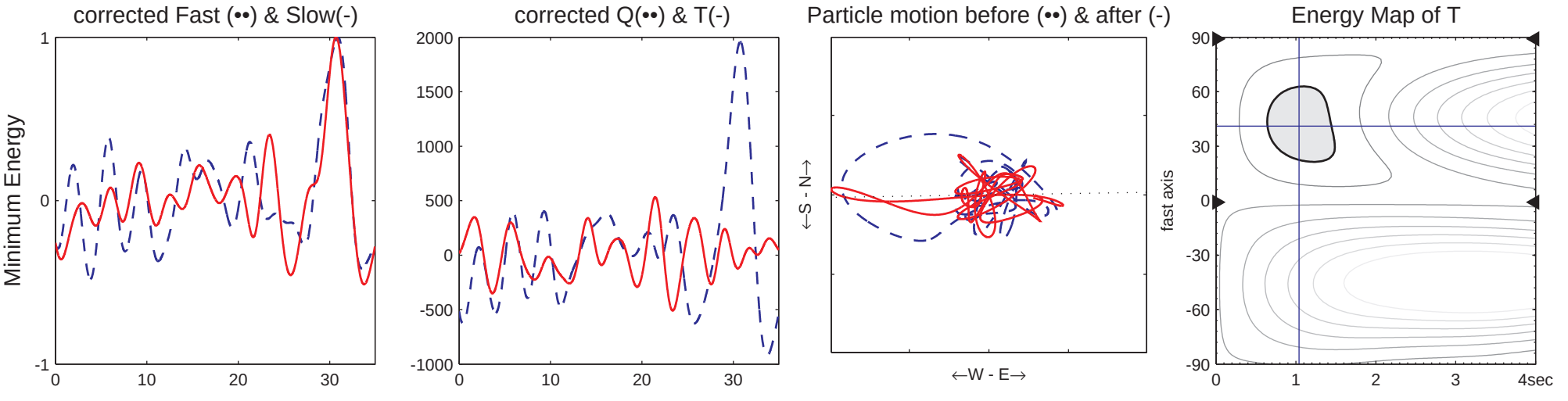
Event: **30-Jan-2012 (030) 05:11 -14.17N -75.64E 43km Mw=6.4**
Station: **DOGA** Backazimuth: **269.1”** Distance: **112.21”**
init.Pol.: **91.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.6**

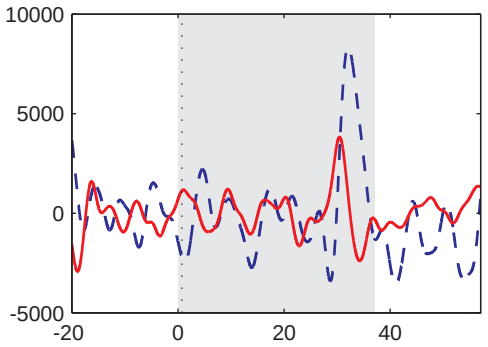
Rotation Correlation:	35<	42° <	52	0.8<1.0s<1.2
Minimum Energy:	21<	41° <	64	0.6<1.0s<1.5
Eigenvalue:	11<	45° <	78	0.6<1.0s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





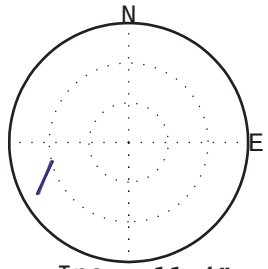




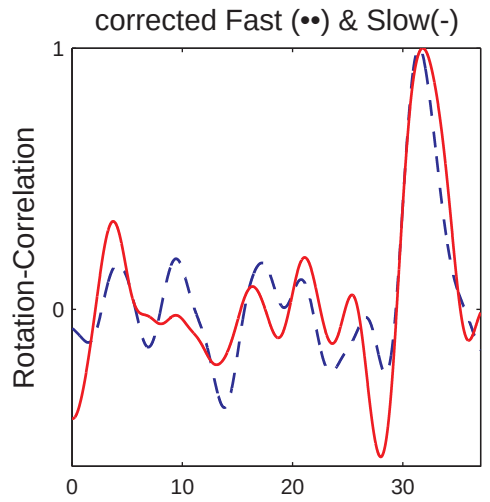
Event: **25-Mar-2012 (085) 22:37 -35.20N -72.22E 40km Mw=7.1**
Station: **DOGA** Backazimuth: **247.3”** Distance: **120.67”**
init.Pol.: **67.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.9**

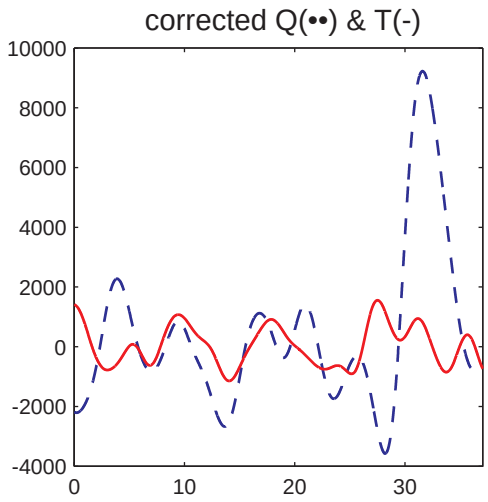
Rotation Correlation:	11<	21° <	34	0.9<1.1s<1.4
Minimum Energy:	5<	25° <	43	0.8<1.2s<1.6
Eigenvalue:	-11<	25° <	52	0.8<1.2s<1.8

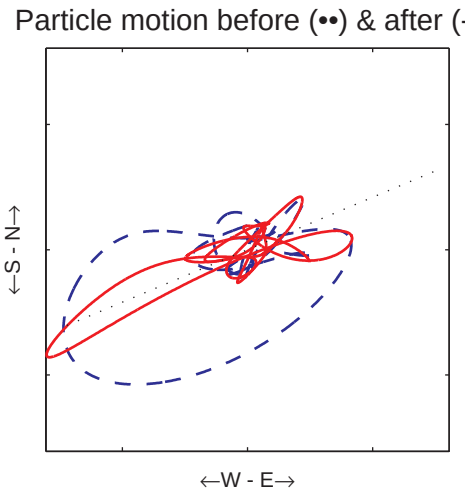
Quality: **fair** IsNull: **No** Phase: **SKKS**

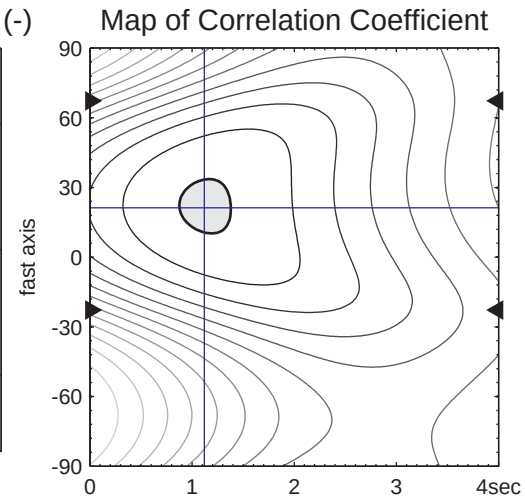


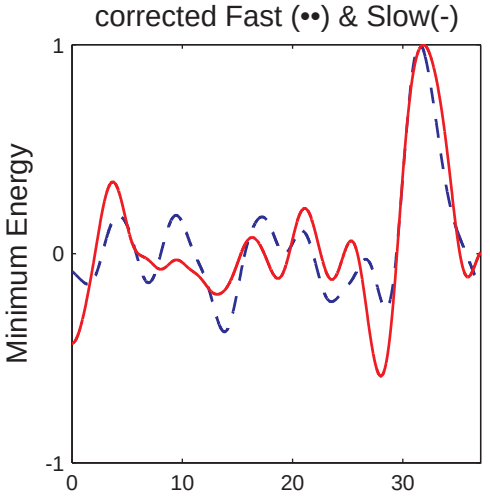
Inc = **11.4”**

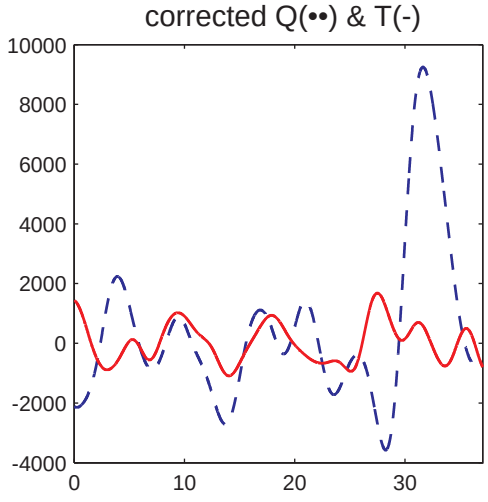


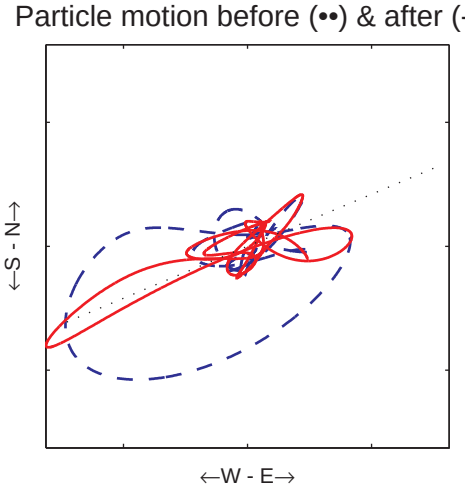


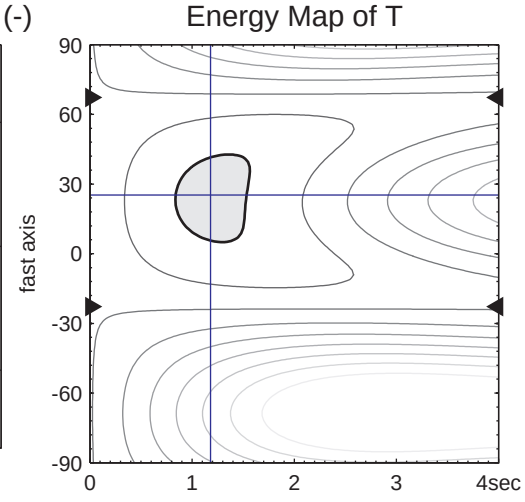


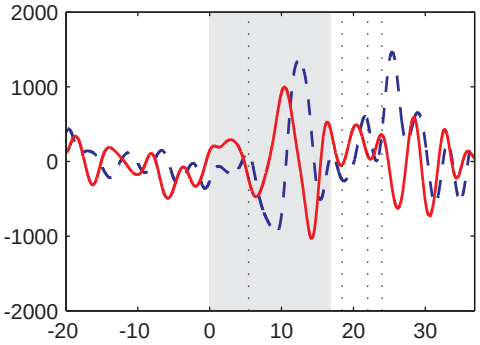








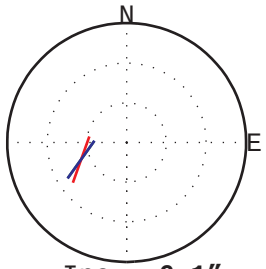




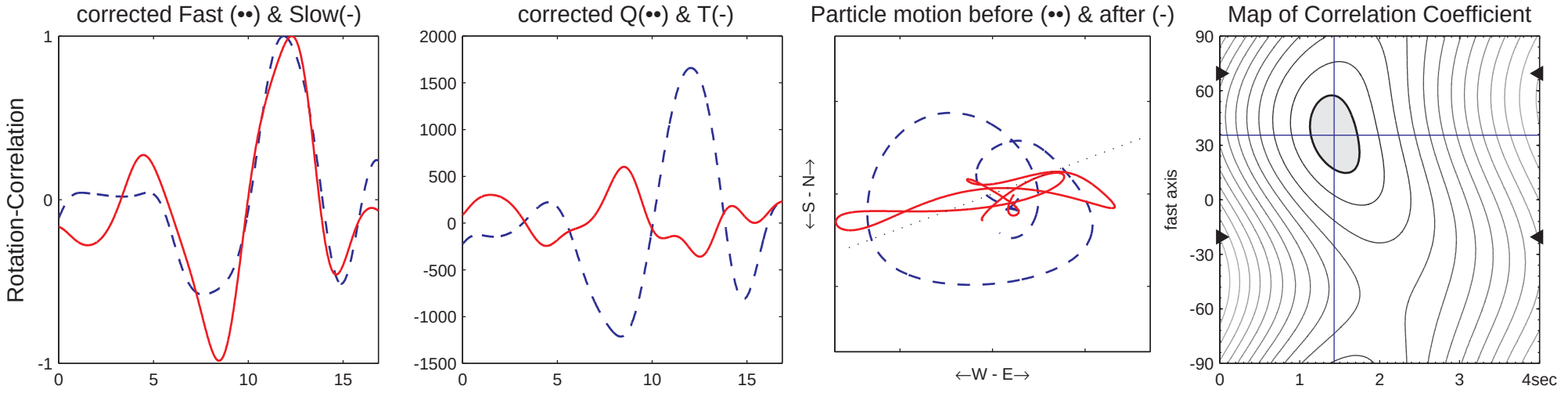
Event: **17-Apr-2012 (108) 03:50 -32.63N -71.36E 29km Mw=6.7**
Station: **DOGA** Backazimuth: **249.5”** Distance: **118.83”**
init.Pol.: **83.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

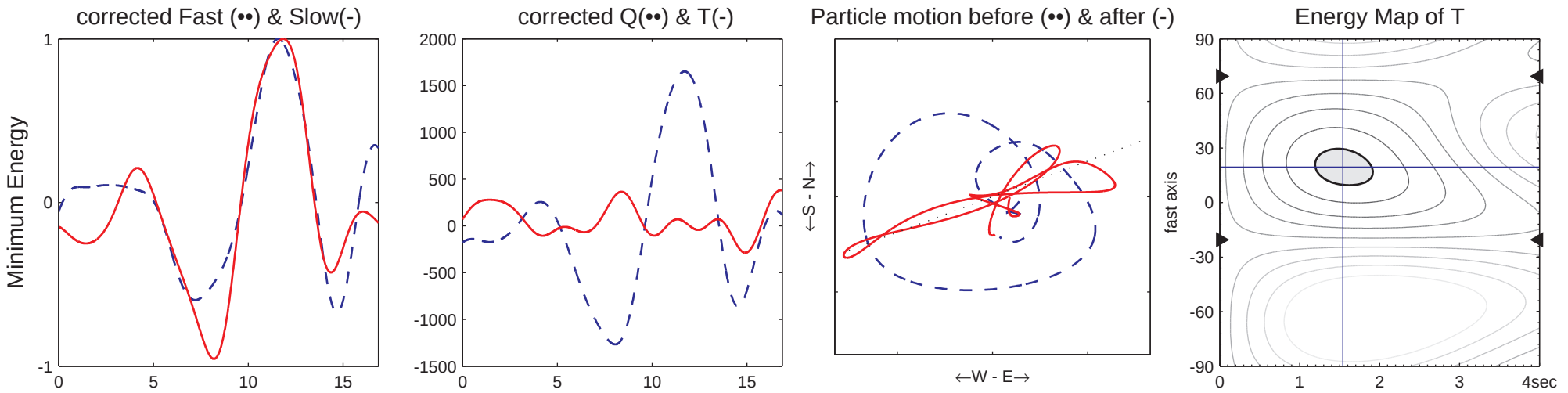
Rotation Correlation:	15<	35° <	58	1.1<1.4s<1.7
Minimum Energy:	9<	19° <	29	1.2<1.5s<1.9
Eigenvalue:	13<	35° <	58	1.2<1.5s<1.8

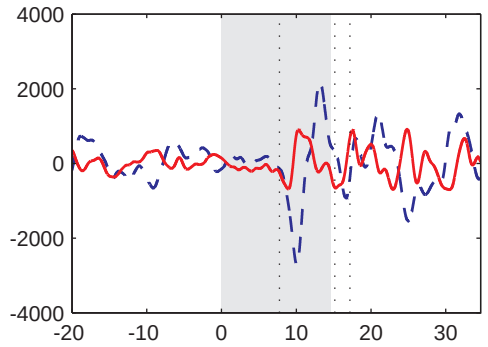
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.1”**



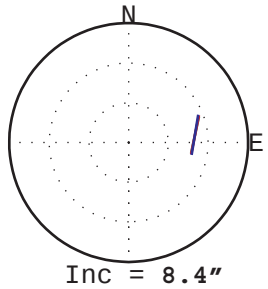


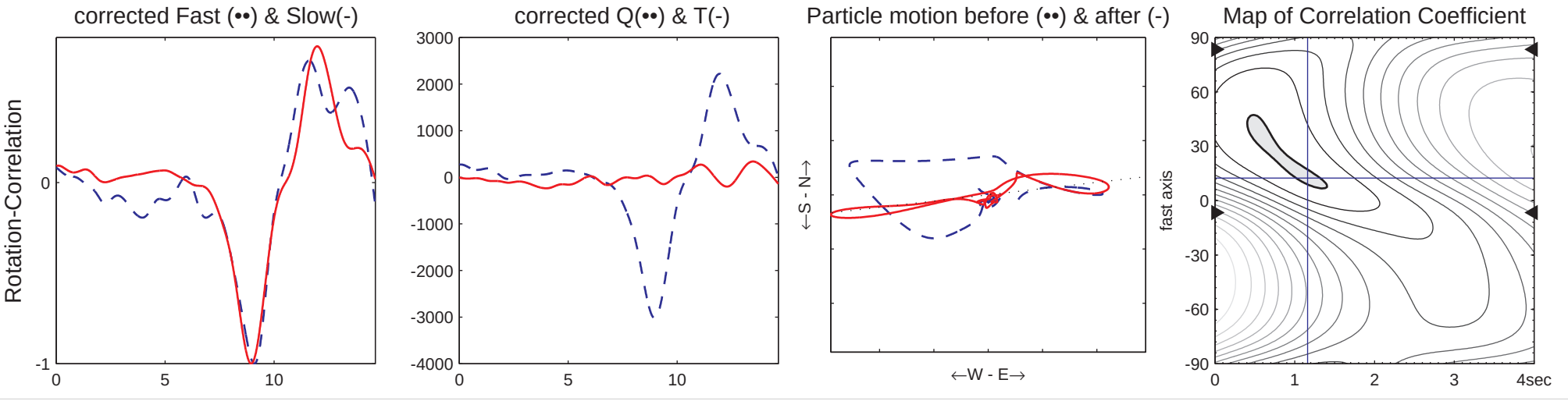


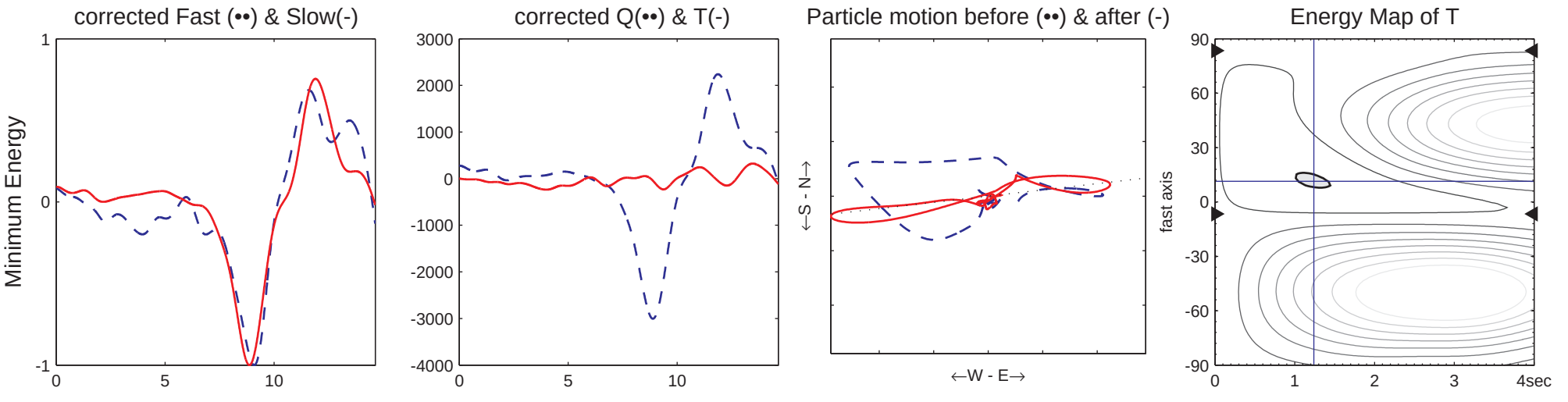
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **DOGA** Backazimuth: **83.4”** Distance: **100.90”**
init.Pol.: **260.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.1**

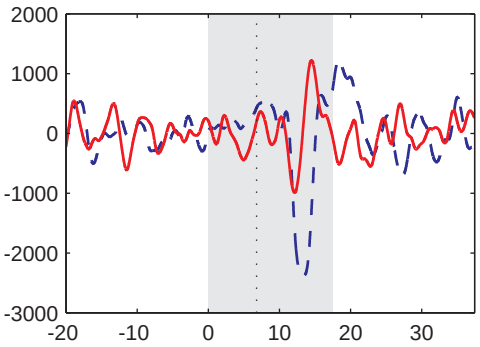
Rotation Correlation:	7<	12° <	48	0.4<1.2s<1.4
Minimum Energy:	7<	11° <	15	1.0<1.2s<1.4
Eigenvalue:	5<	9° <	15	1.1<1.3s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





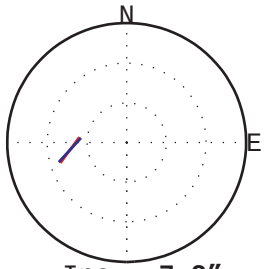




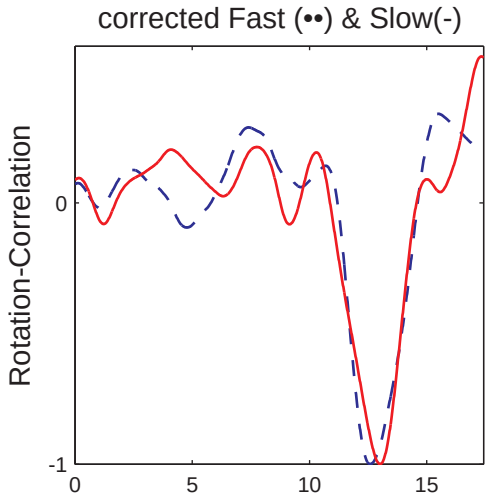
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **DOGA** Backazimuth: **262.4”** Distance: **109.50”**
init.Pol.: **85.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.1**

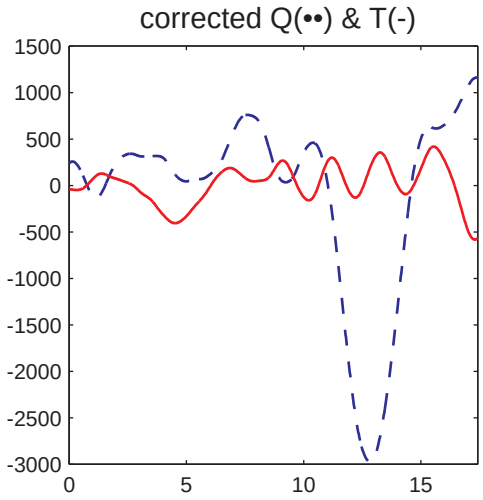
Rotation Correlation:	34<	41° <	51	0.9<1.0s<1.2
Minimum Energy:	27<	36° <	48	0.8<1.0s<1.2
Eigenvalue:	27<	42° <	60	0.8<1.0s<1.2

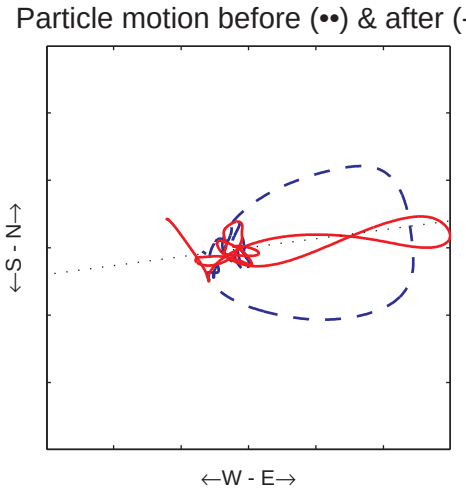
Quality: **good** IsNull: **No** Phase: **SKS**

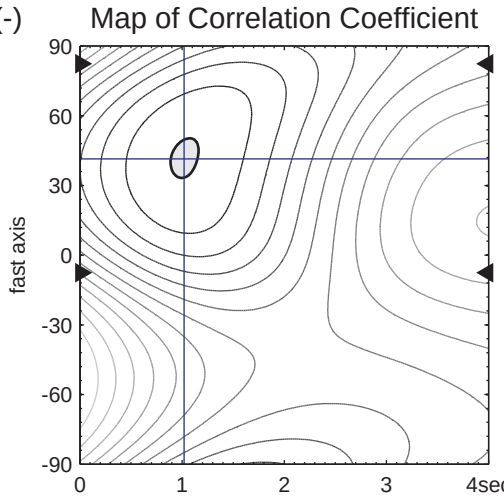


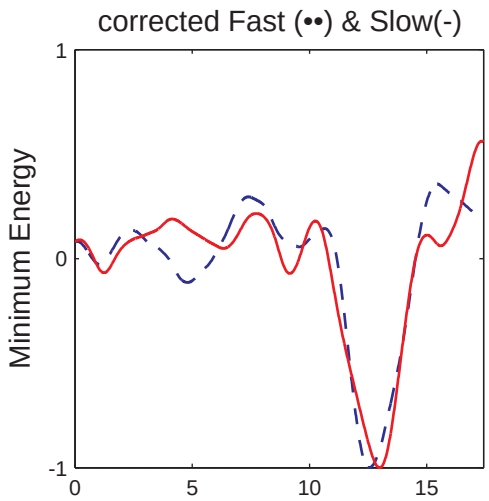
Inc = **7.2”**

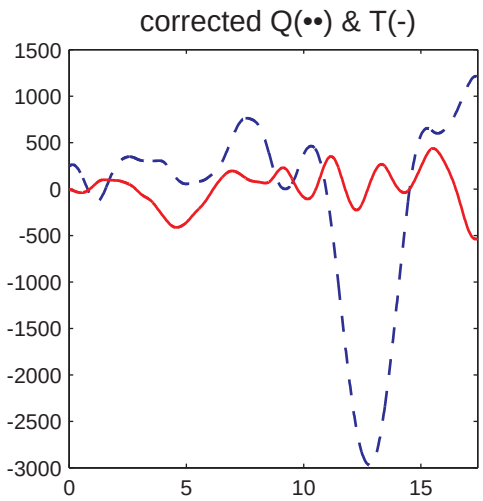


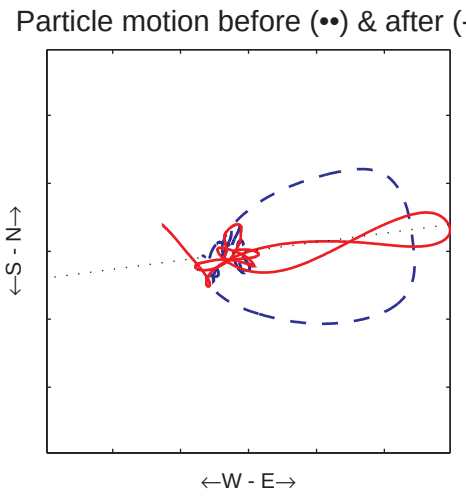


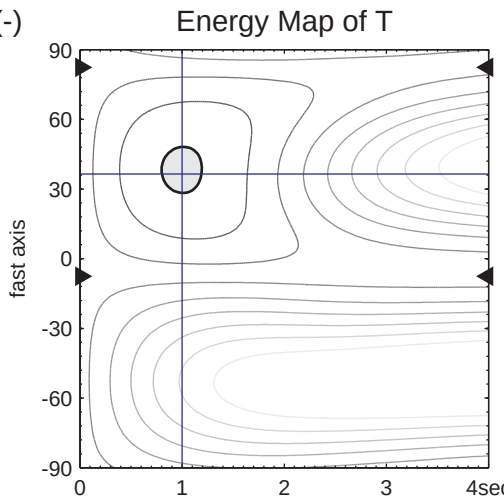


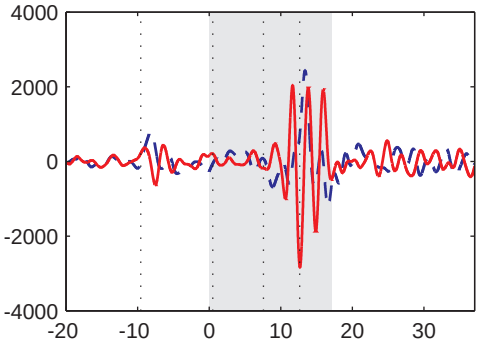










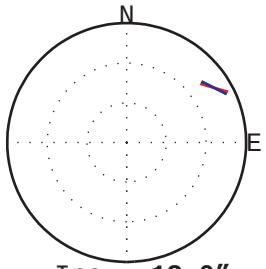


Event: **26-May-2012 (147) 21:48 26.91N 140.06E 487km Mw=6.0**
Station: **DOGA** Backazimuth: **58.0”** Distance: **86.68”**
init.Pol.: **254.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.9**

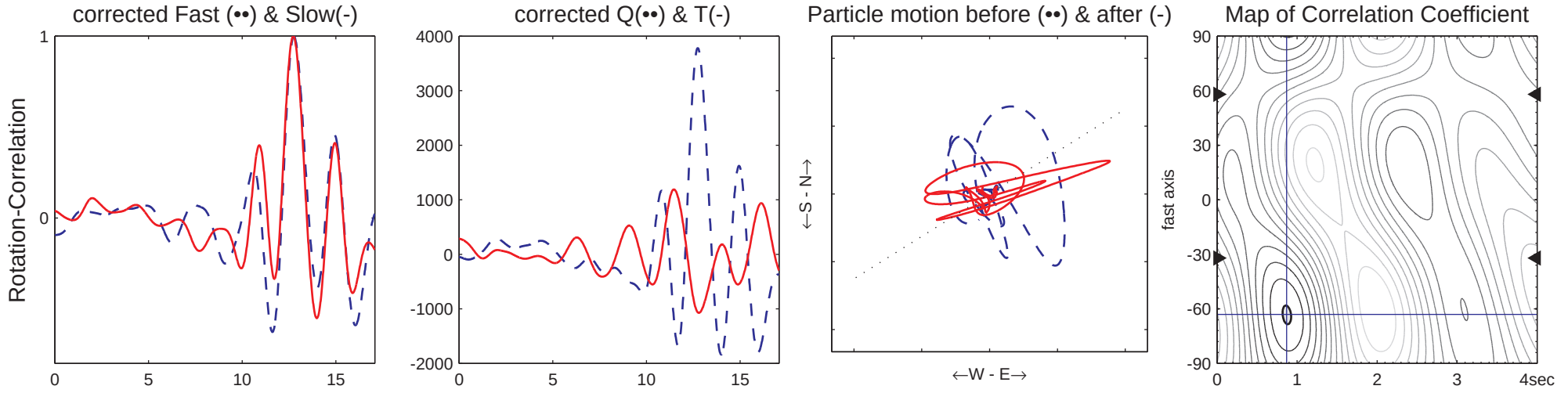
Rotation Correlation:	-70<	-63° <	-59
Minimum Energy:	-82<	-74° <	-74
Eigenvalue:	-76<	-64° <	-60

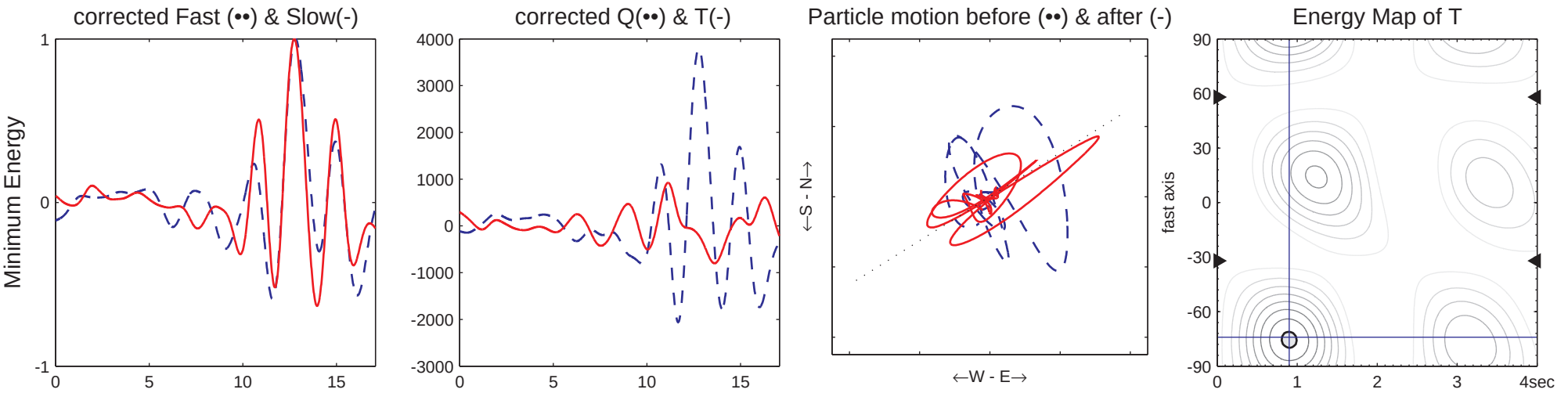
0.8<0.9s<0.9
0.8<0.9s<1.0
0.8<0.9s<1.0

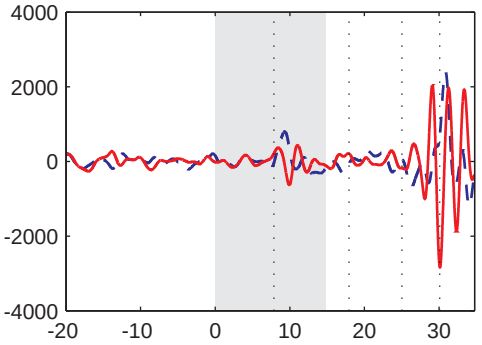
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



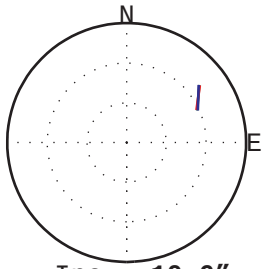




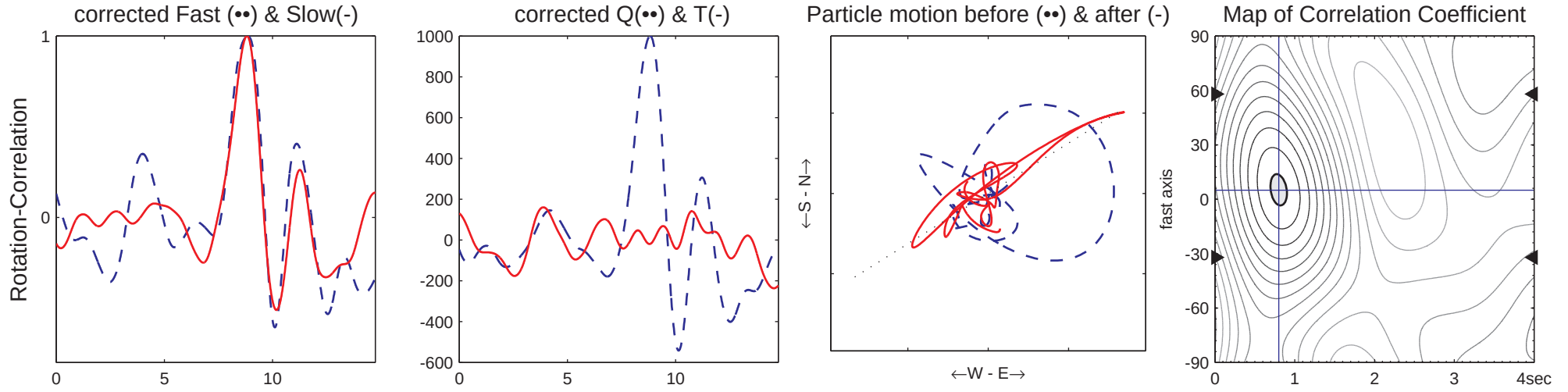
Event: **26-May-2012 (147) 21:48 26.91N 140.06E 487km Mw=6.0**
Station: **DOGA** Backazimuth: **58.0”** Distance: **86.68”**
init.Pol.: **231.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.6**

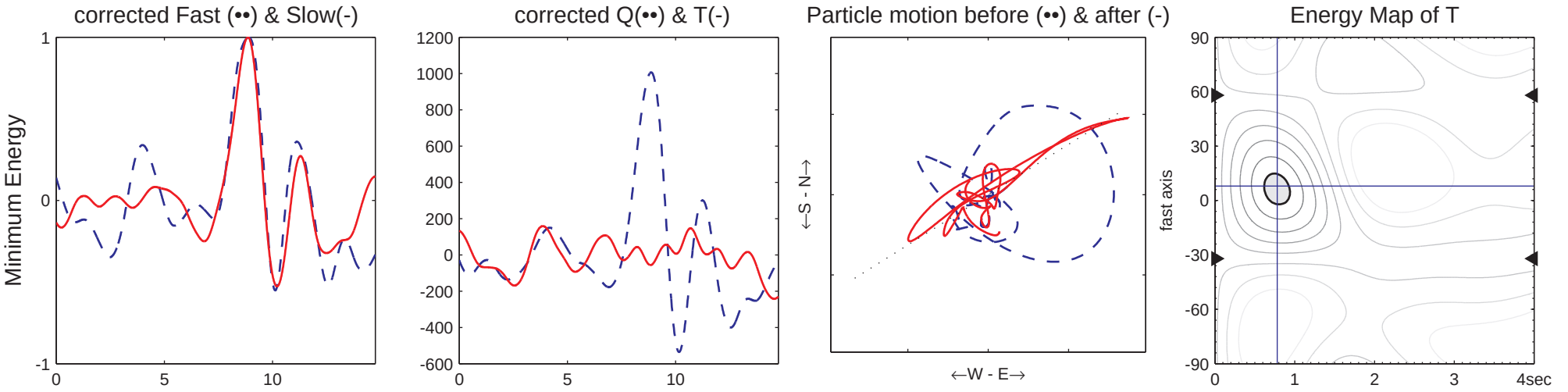
Rotation Correlation:	-4<	5° <	14	0.7<0.8s<0.9
Minimum Energy:	-3<	8° <	15	0.6<0.8s<0.9
Eigenvalue:	-11<	2° <	13	0.6<0.8s<1.0

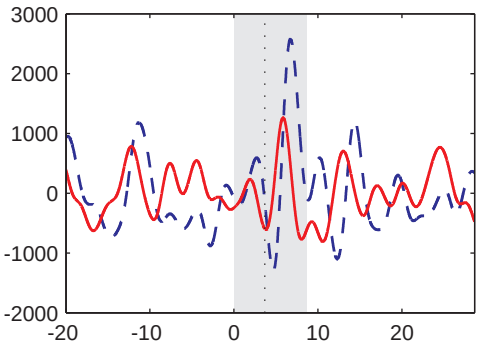
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.6”**



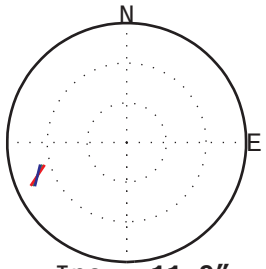




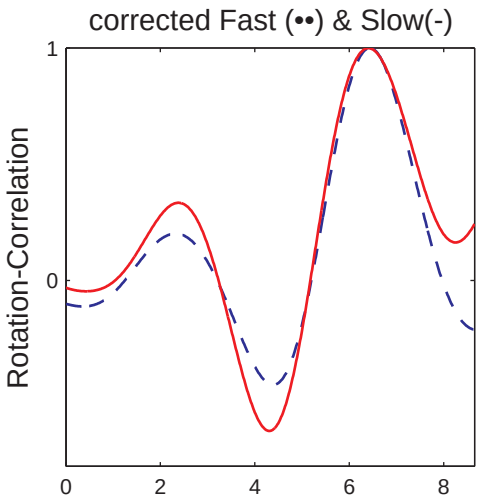
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **DOGA** Backazimuth: **249.7”** Distance: **110.35”**
init.Pol.: **58.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

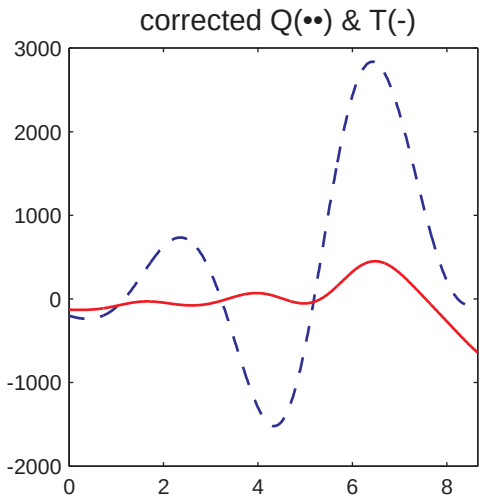
Rotation Correlation:	-4<	24° <	48	0.5<0.7s<1.0
Minimum Energy:	19<	34° <	46	0.6<0.8s<1.0
Eigenvalue:	-23<	14° <	48	0.5<0.7s<1.0

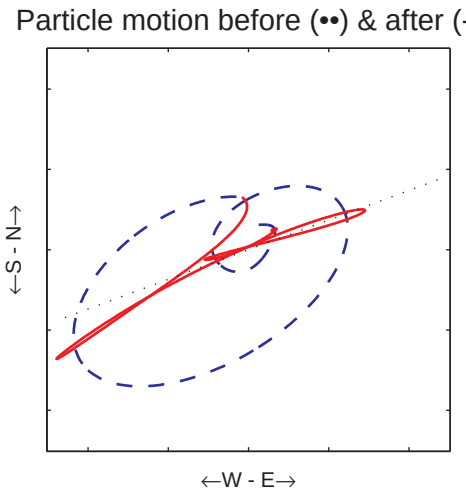
Quality: **fair** IsNull: **No** Phase: **SKKS**

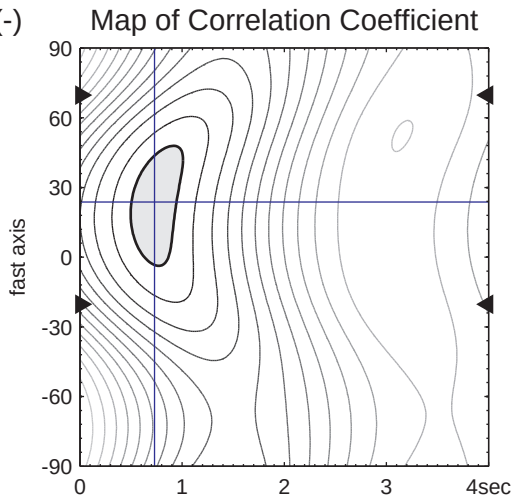


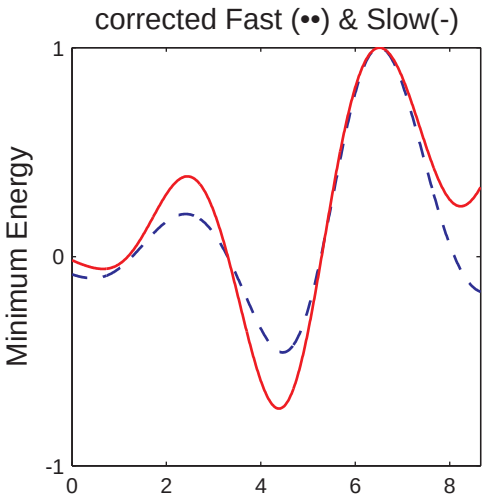
Inc = **11.9”**

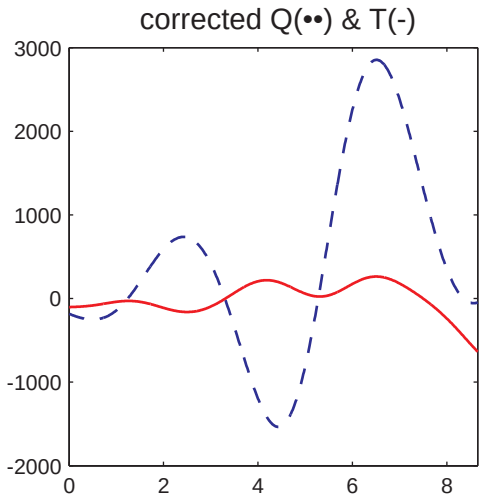


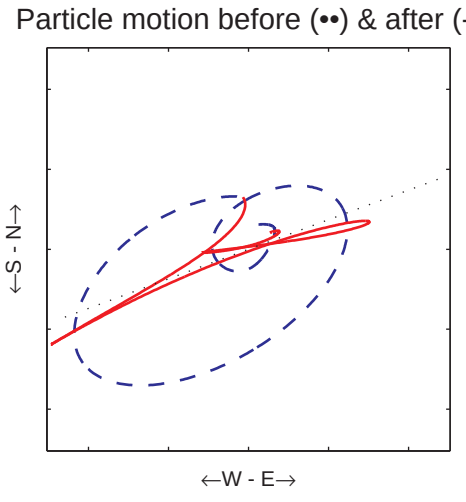


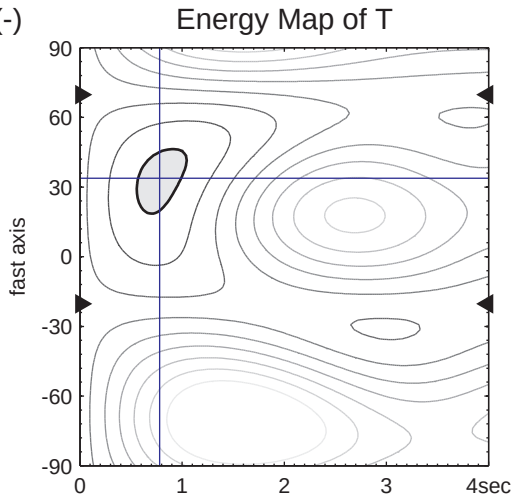


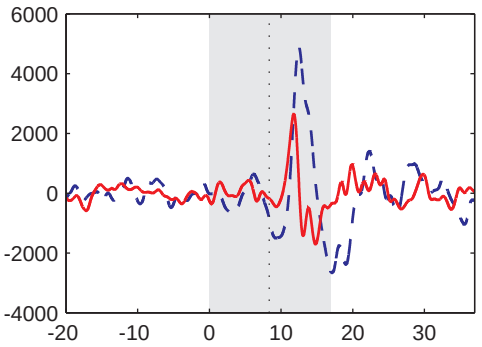








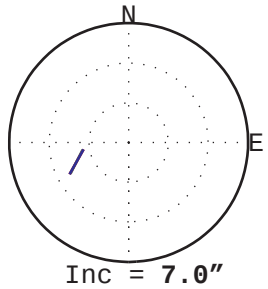


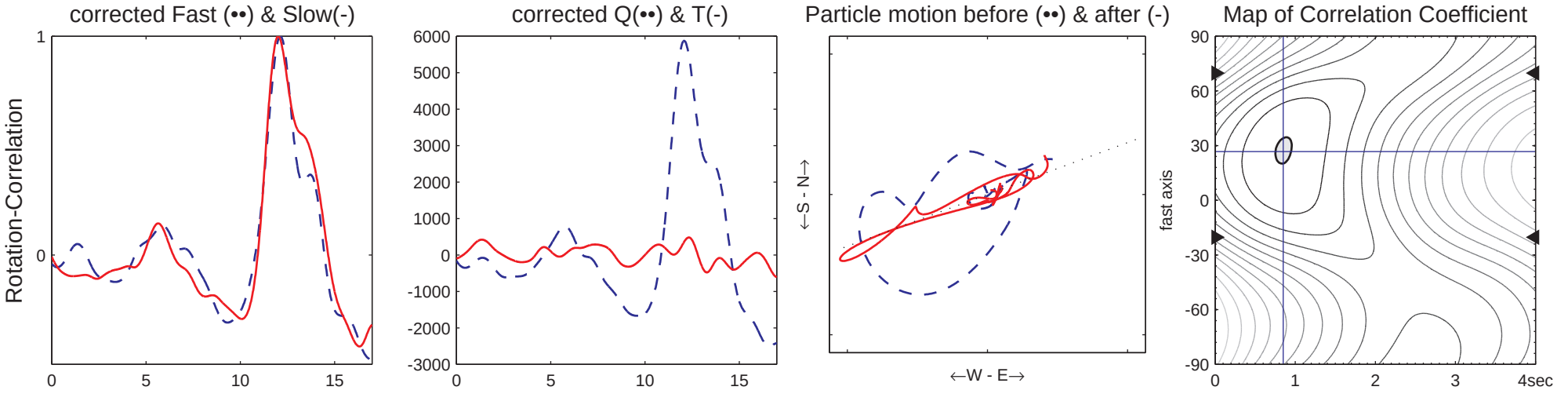


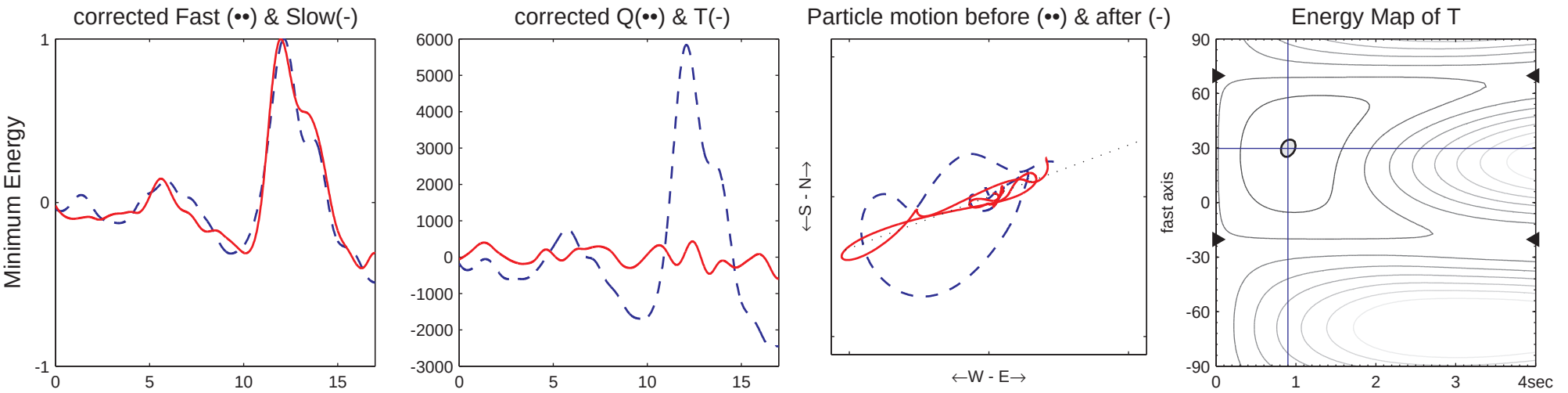
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **DOGA** Backazimuth: **249.7”** Distance: **110.35”**
init.Pol.: **68.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**13.0**

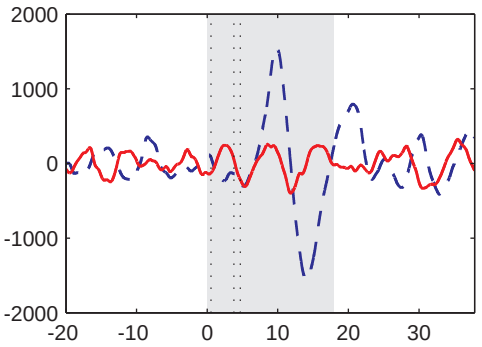
Rotation Correlation:	20<	27° <	35	0.8<0.8s<1.0
Minimum Energy:	25<	30° <	35	0.8<0.9s<1.0
Eigenvalue:	21<	30° <	35	0.8<0.9s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





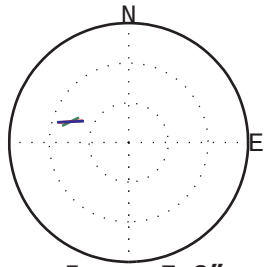


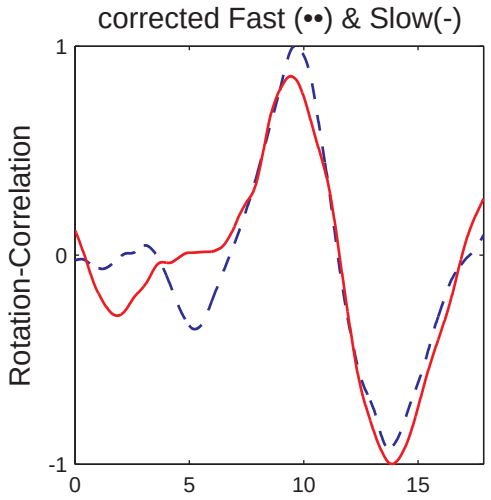


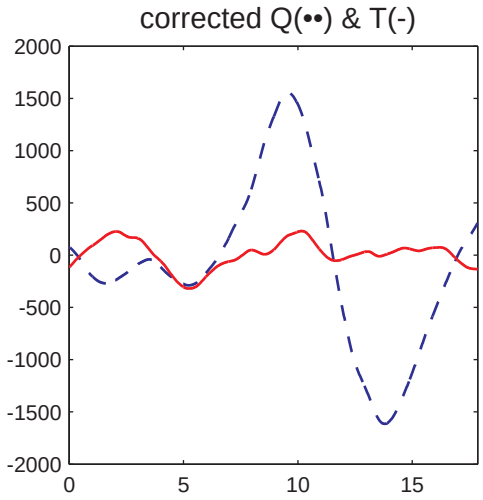
Event: **04-Jun-2012 (156) 00:45 5.30N -82.63E 7km Mw=6.3**
Station: **DOGA** Backazimuth: **289.7”** Distance: **105.39”**
init.Pol.: **109.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

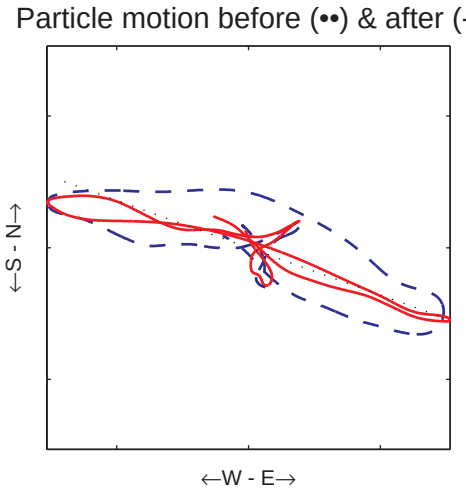
Rotation Correlation:	47<	64° <	84	0.2<0.6s<0.9
Minimum Energy:	37<	86° <	-80	0.3<0.8s<2.0
Eigenvalue:	25<	88° <	-74	0.3<0.8s<2.5

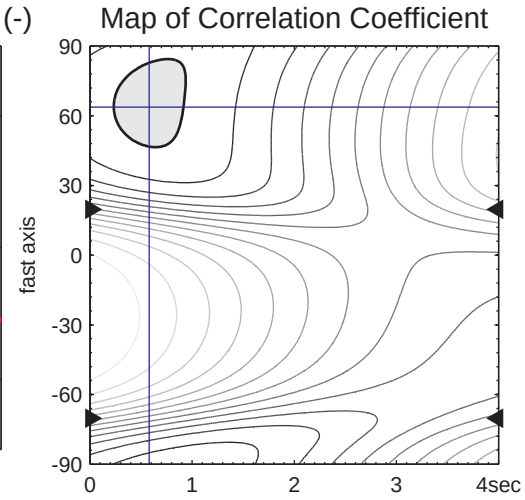
Quality: **fair** IsNull: **No** Phase: **SKS**

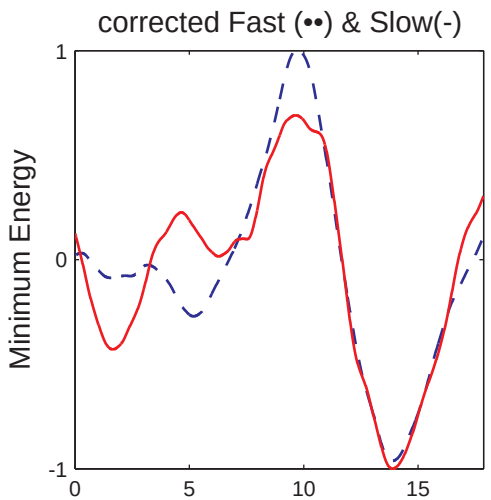


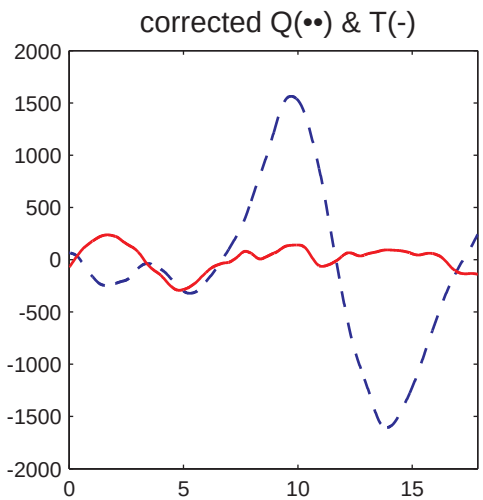


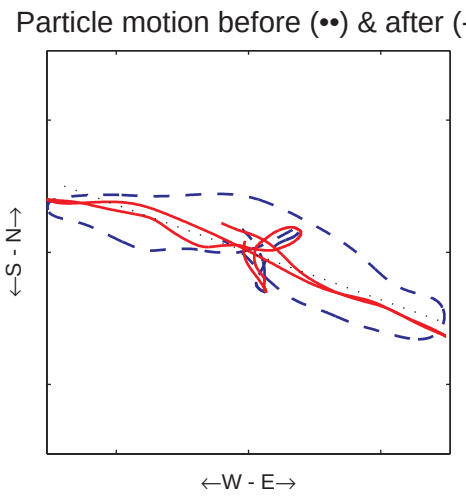


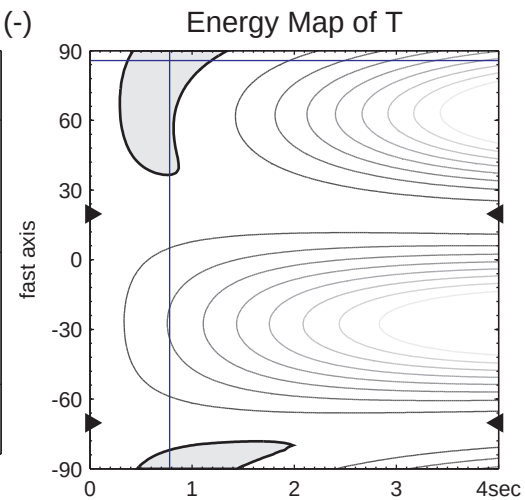


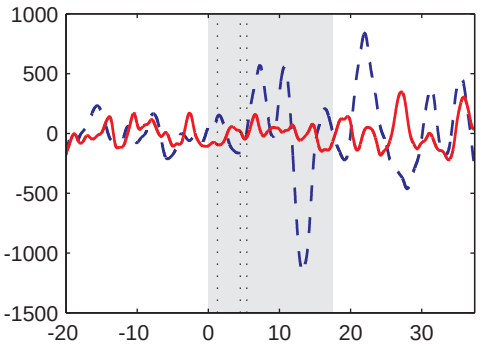








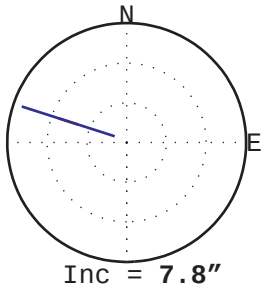


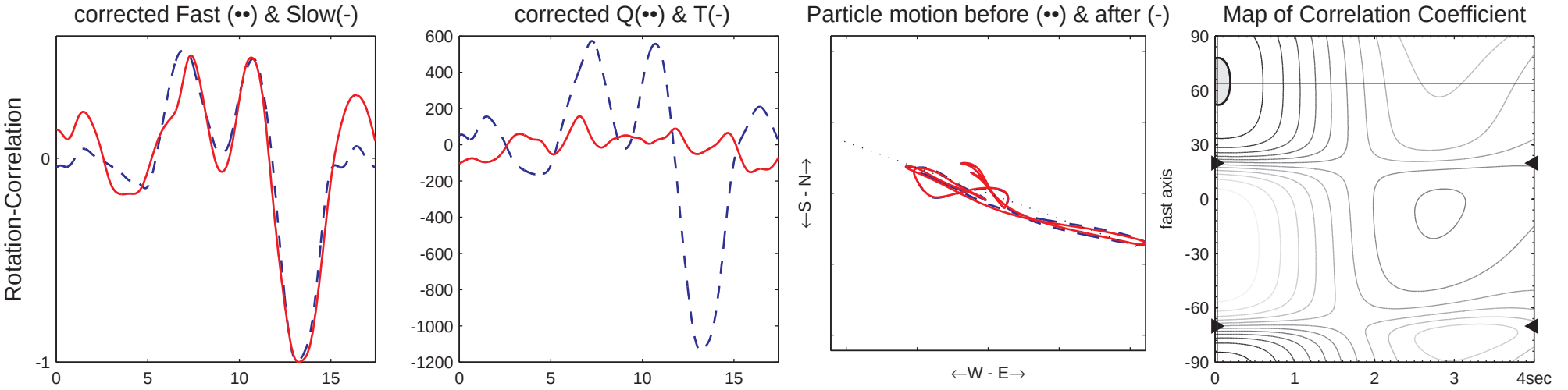


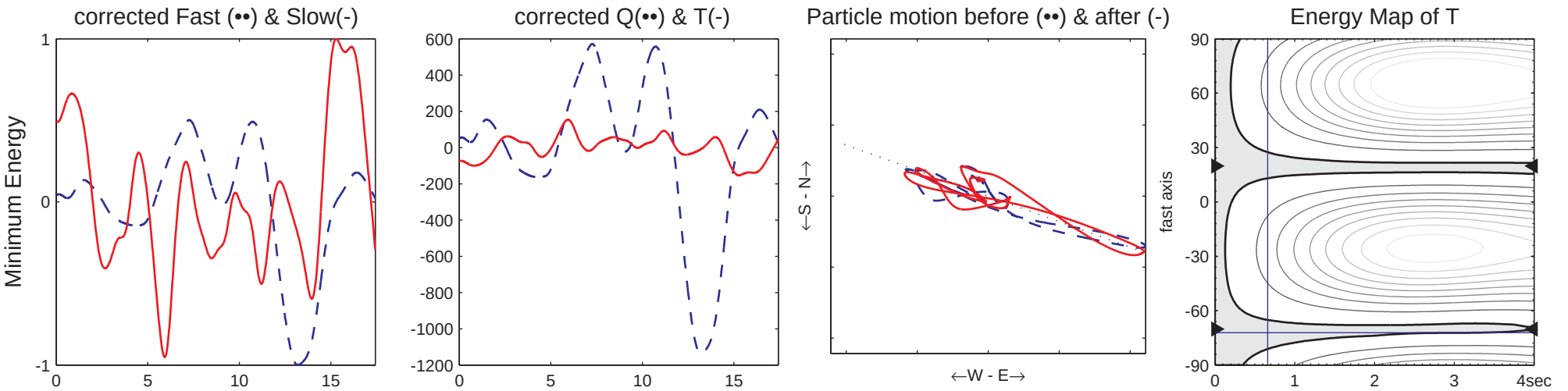
Event: **04-Jun-2012 (156) 03:15 5.51N -82.56E 7km Mw=6.3**
Station: **DOGA** Backazimuth: **289.8”** Distance: **105.20”**
init.Pol.: **101.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.2**

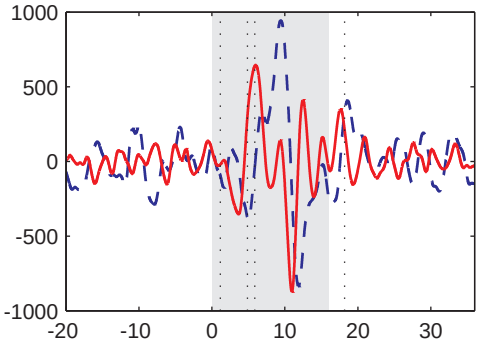
Rotation Correlation:	52<	64° <	78	0.0<0.0s<0.2
Minimum Energy:	-Inf<	-72° <	Inf	0.0<0.7s<Inf
Eigenvalue:	-82<	-72° <	-72	2.4<3.1s<3.5

Quality: **good** IsNull: **Yes** Phase: **SKS**





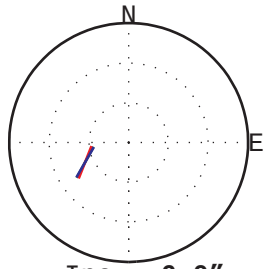


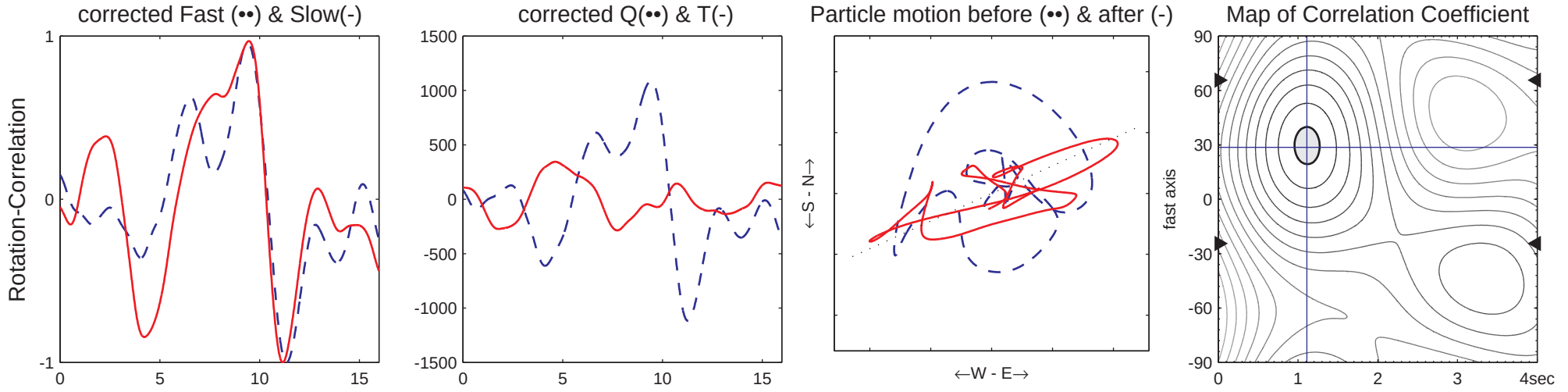


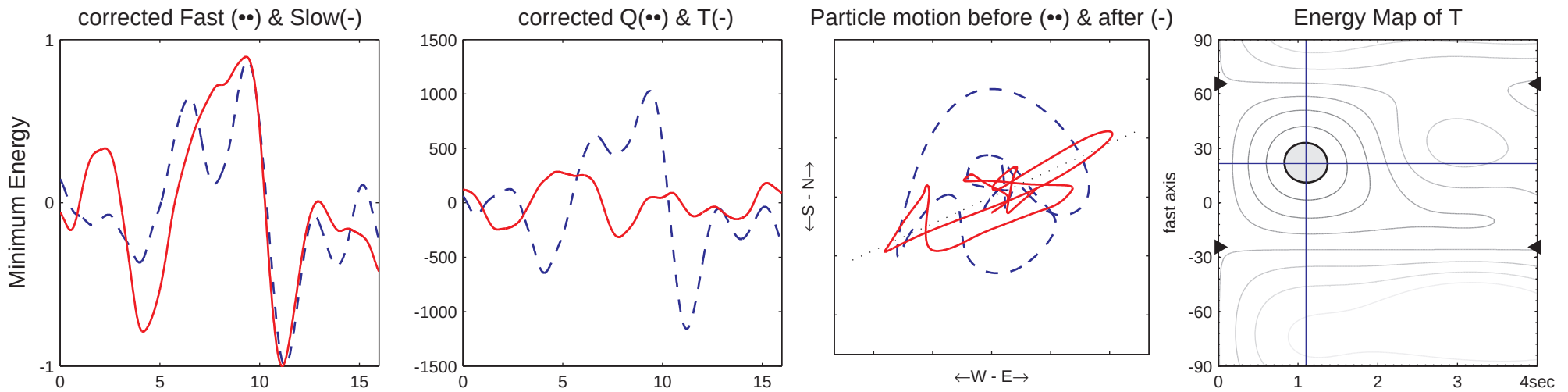
Event: **07-Jun-2012 (159) 04:05 -36.07N -70.57E 8km Mw=6.0**
Station: **DOGA** Backazimuth: **245.6”** Distance: **119.88”**
init.Pol.: **73.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

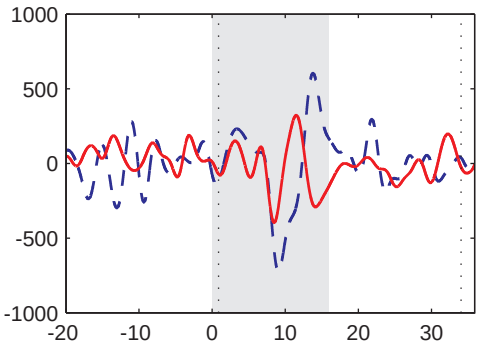
Rotation Correlation:	20<	29° <	40	1.0<1.1s<1.3
Minimum Energy:	11<	22° <	33	0.8<1.1s<1.4
Eigenvalue:	13<	30° <	48	0.8<1.1s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





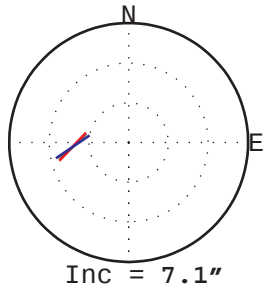


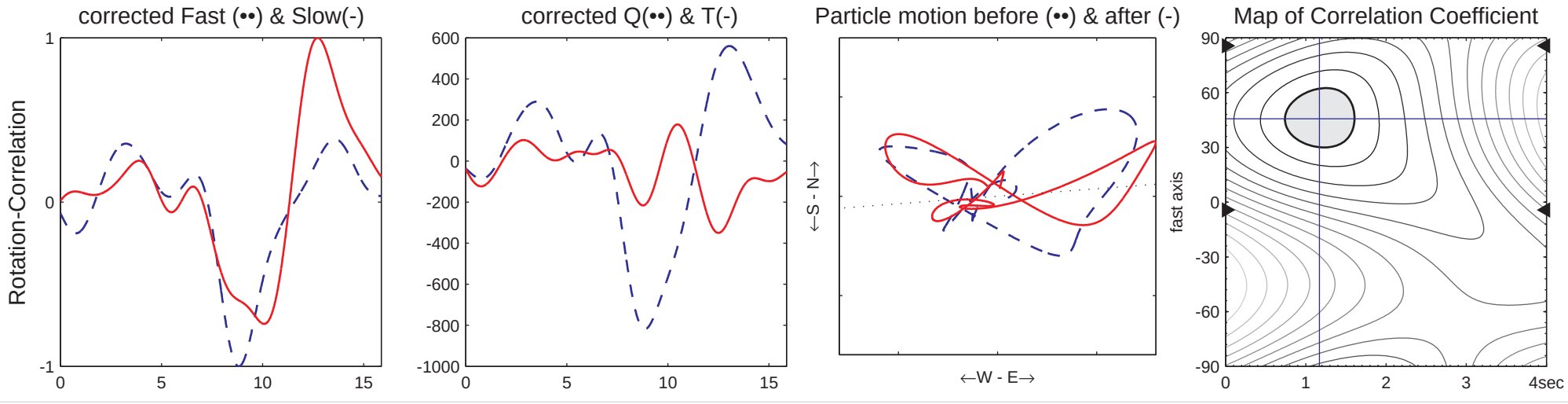


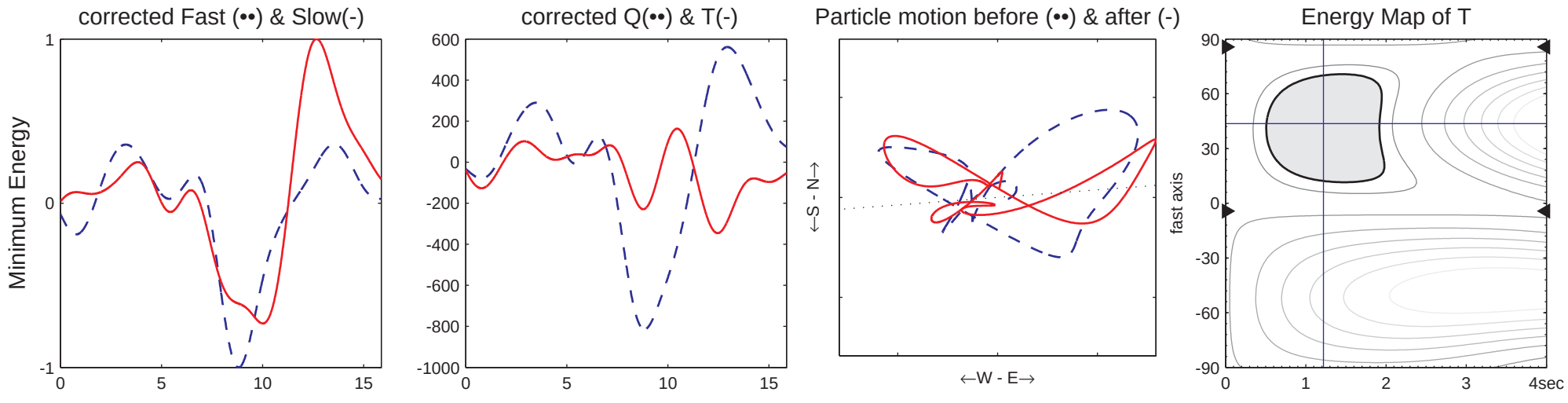
Event: **07-Jun-2012 (159) 16:03 -15.88N -72.41E 110km Mw=6.1**
Station: **DOGA** Backazimuth: **265.7”** Distance: **110.67”**
init.Pol.: **93.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

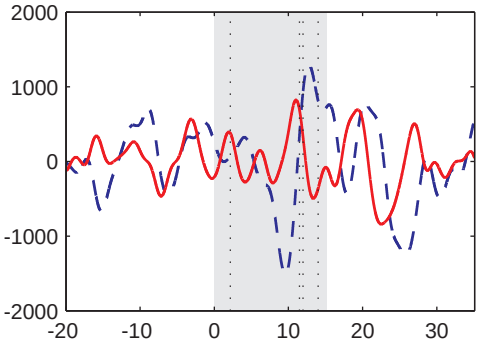
Rotation Correlation:	30<	46° <	63	0.7<1.2s<1.6
Minimum Energy:	11<	44° <	70	0.5<1.2s<2.0
Eigenvalue:	15<	56° <	84	0.6<1.3s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





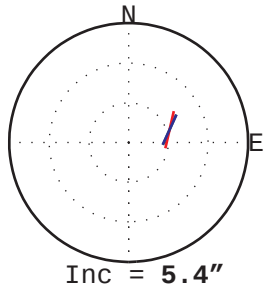


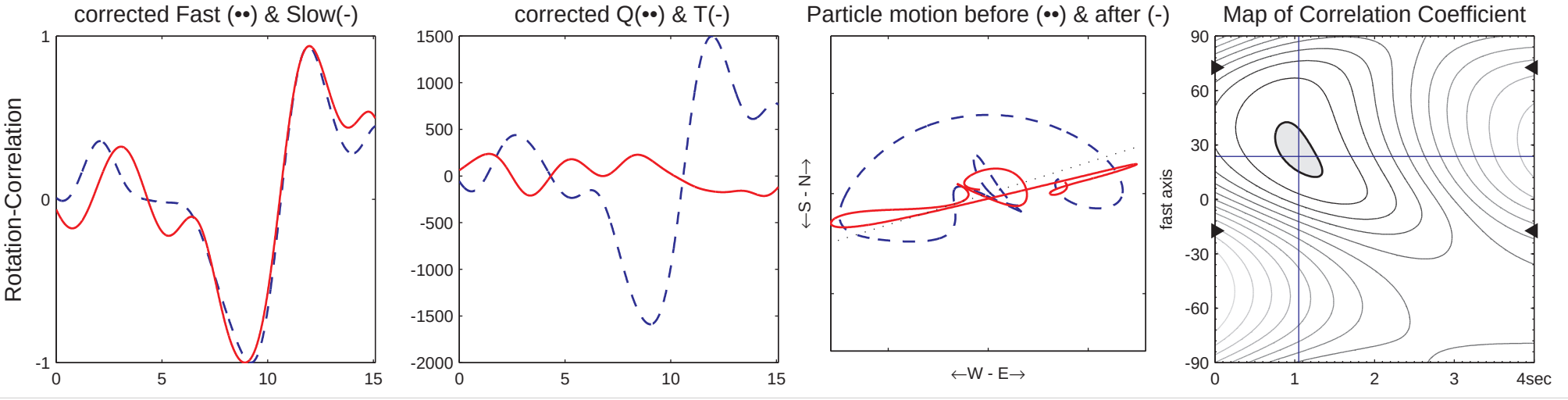


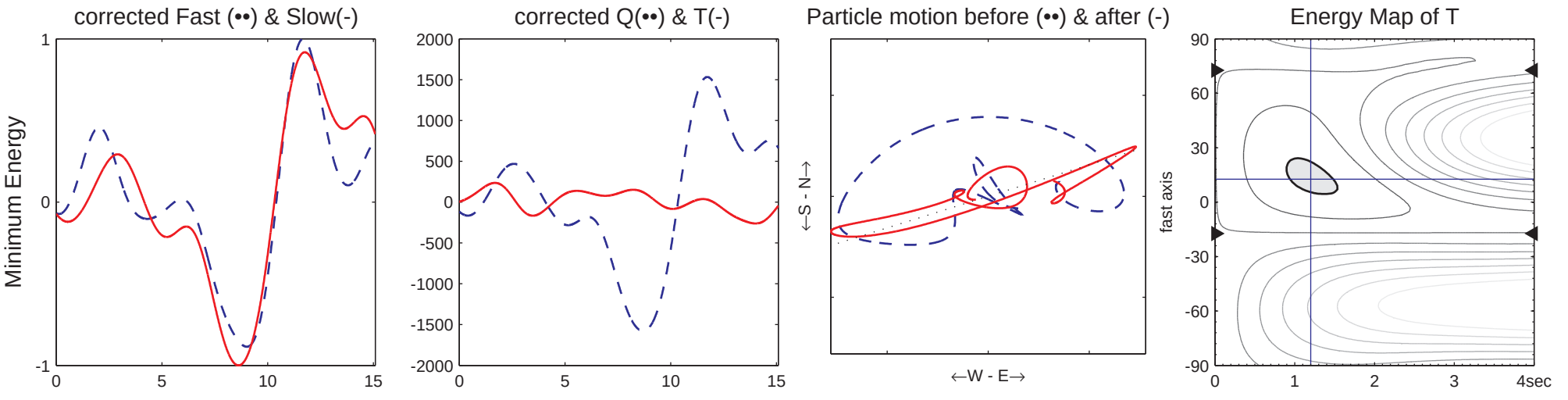
Event: **25-Jul-2012 (207) 11:20 -9.69N 159.73E 20km Mw=6.4**
Station: **DOGA** Backazimuth: **72.6”** Distance: **125.60”**
init.Pol.: **260.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

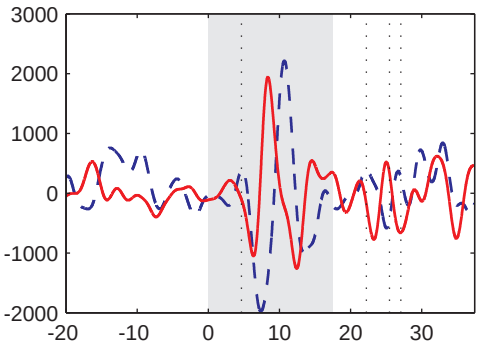
Rotation Correlation:	13<	24° <	43	0.8<1.1s<1.3
Minimum Energy:	5<	13° <	23	0.9<1.2s<1.5
Eigenvalue:	13<	25° <	41	0.8<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





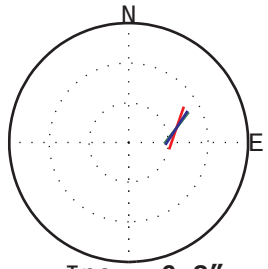


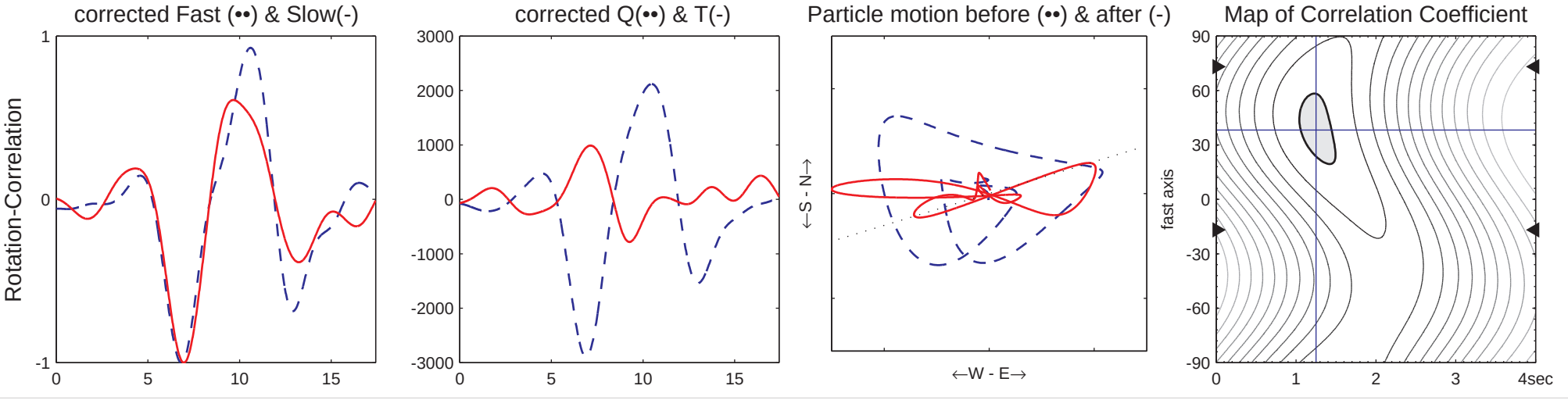


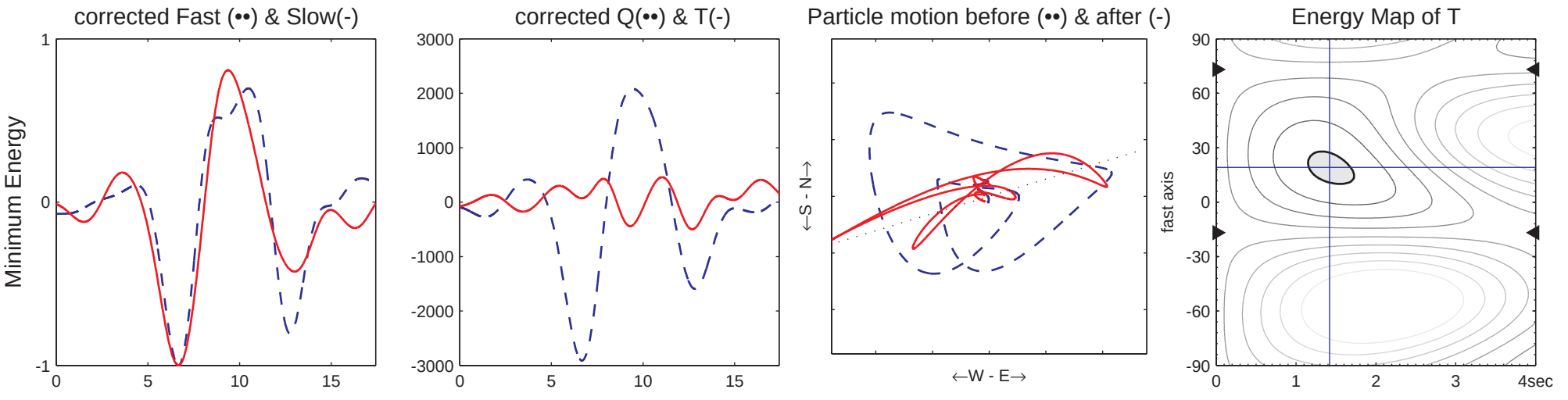
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **DOGA** Backazimuth: **73.1”** Distance: **117.38”**
init.Pol.: **264.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

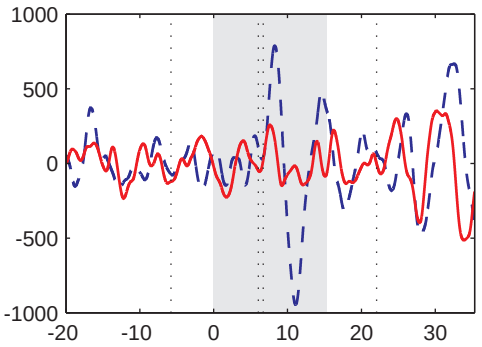
Rotation Correlation:	20<	38° <	58	1.0<1.3s<1.5
Minimum Energy:	9<	19° <	27	1.1<1.4s<1.7
Eigenvalue:	3<	33° <	64	1.0<1.3s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





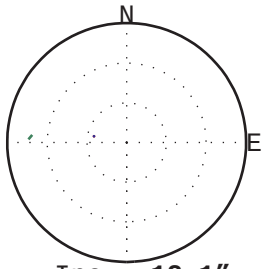




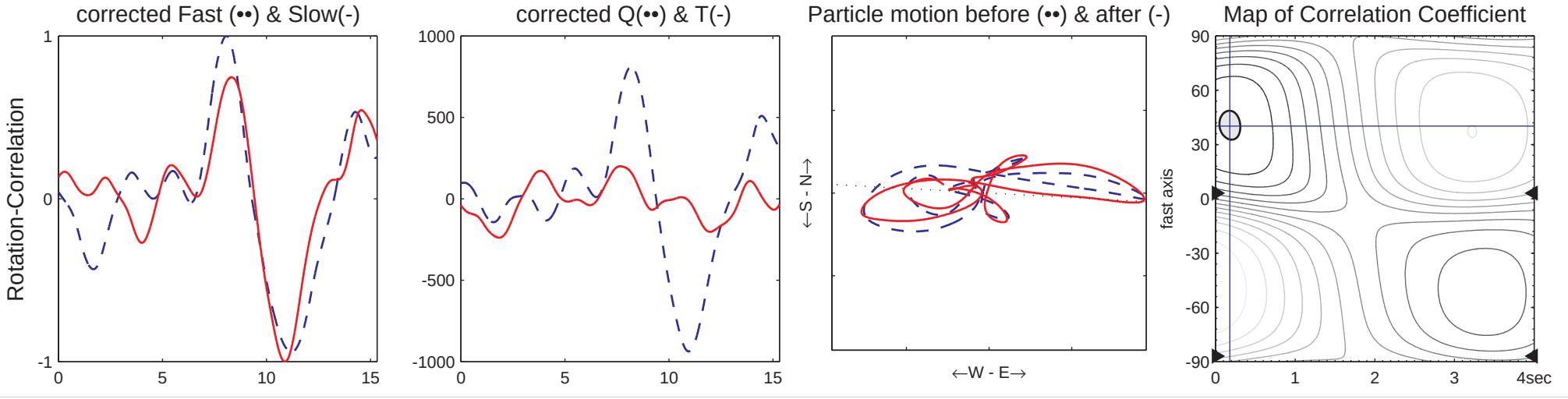
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **DOGA** Backazimuth: **273.2”** Distance: **107.69”**
init.Pol.: **94.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

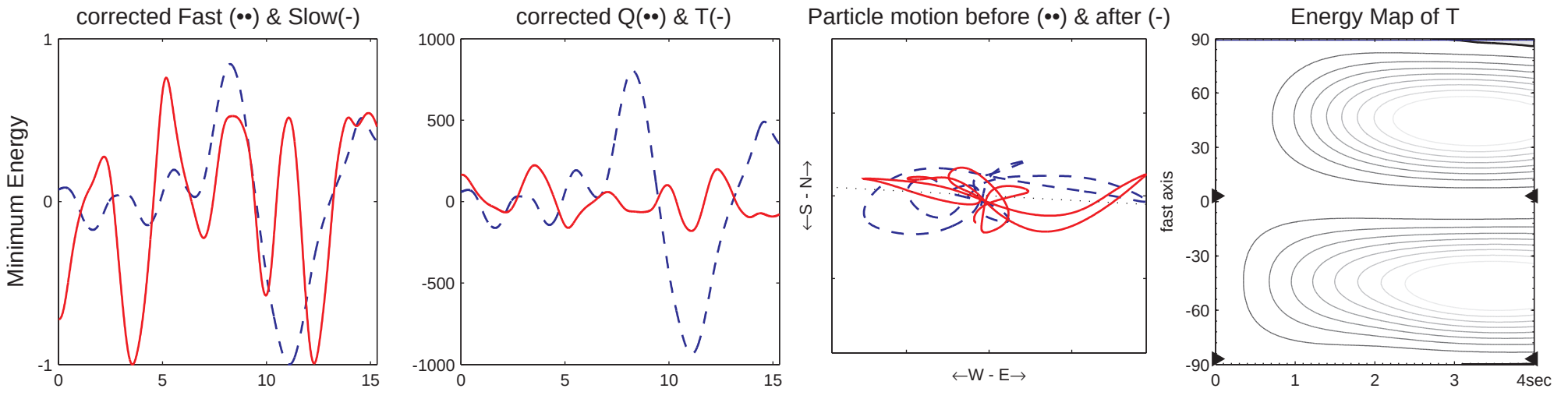
Rotation Correlation:	33<	40° <	49	0.0<0.2s<0.3
Minimum Energy:	86<	89° <	-92	2.8<4.0s<4.0
Eigenvalue:	78<	89° <	-88	1.8<4.0s<4.0

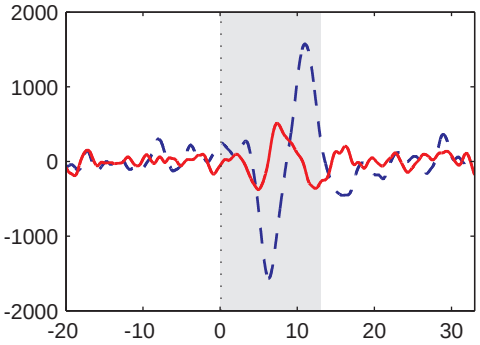
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **12.1”**



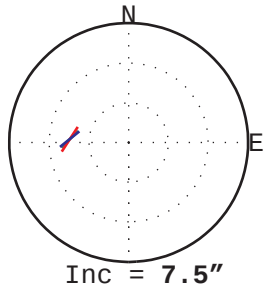


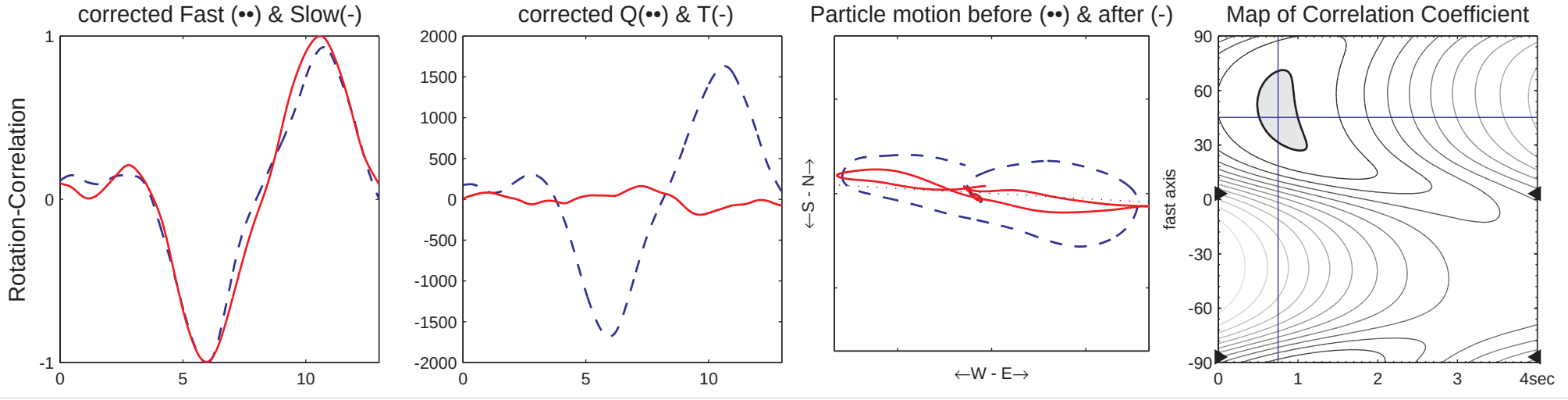


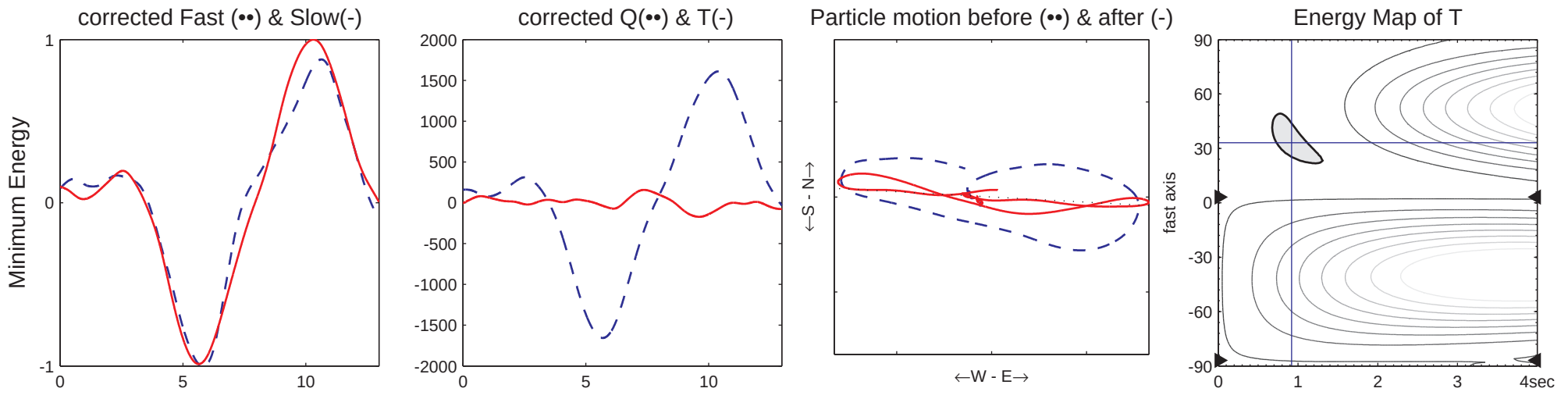
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **DOGA** Backazimuth: **273.2”** Distance: **107.69”**
init.Pol.: **97.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.6**

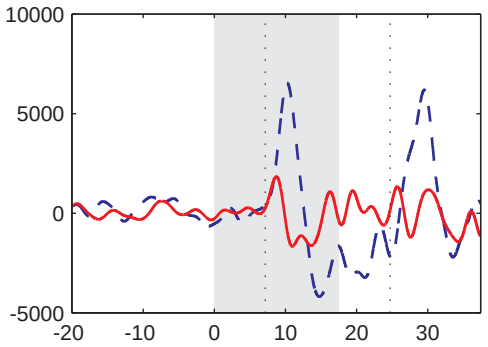
Rotation Correlation:	27<	45° <	71	0.5<0.8s<1.1
Minimum Energy:	21<	33° <	50	0.7<0.9s<1.3
Eigenvalue:	31<	51° <	74	0.6<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





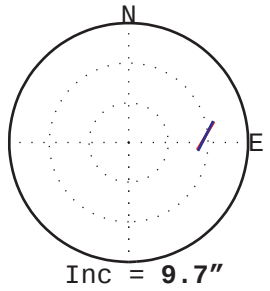


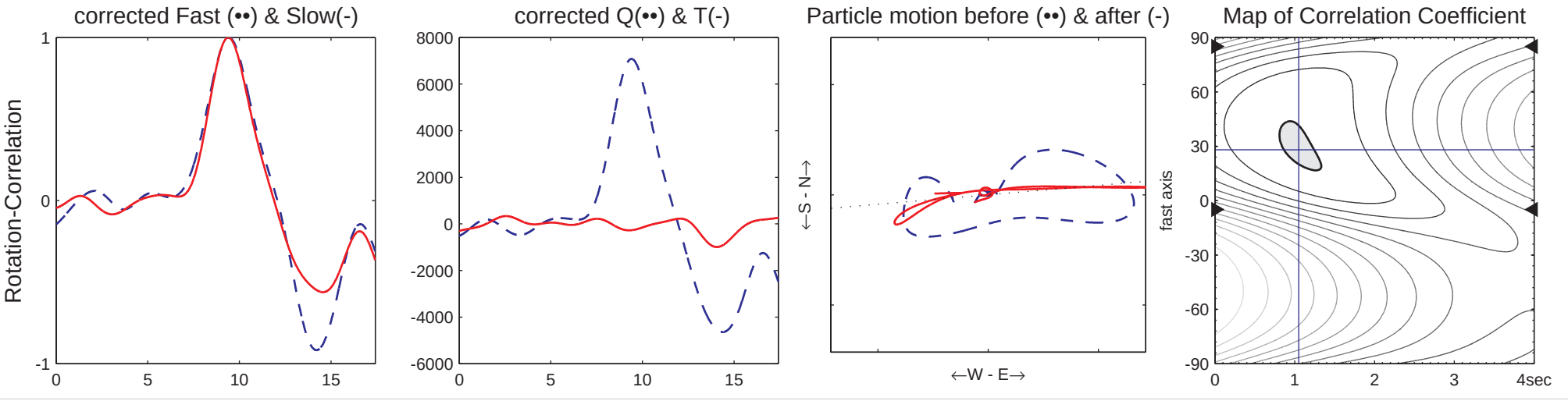


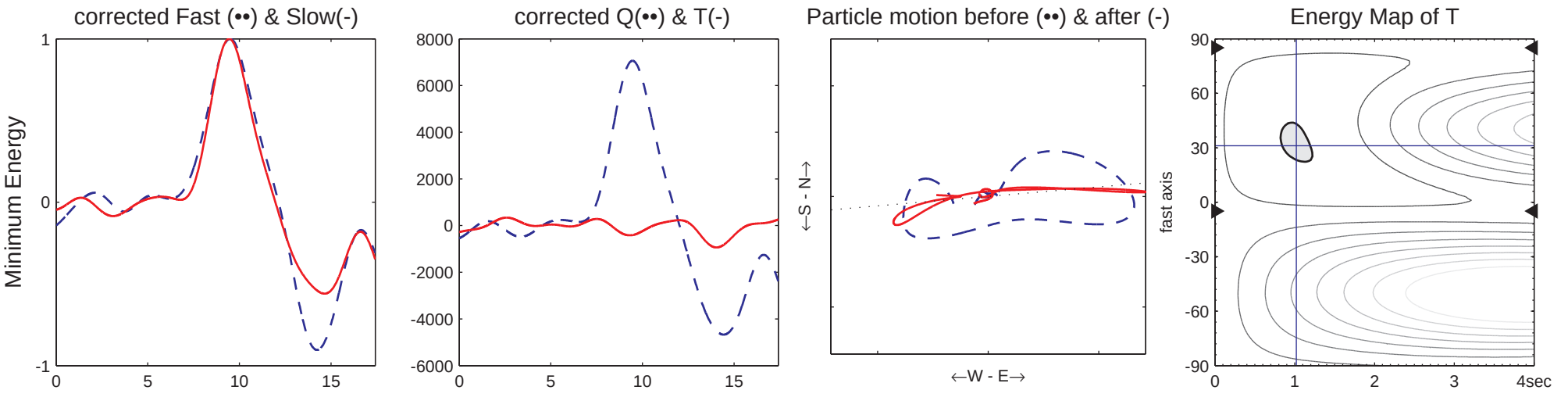
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **DOGA** Backazimuth: **85.1”** Distance: **92.71”**
init.Pol.: **263.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.8**

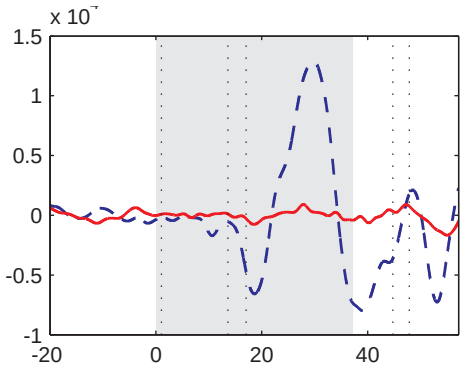
Rotation Correlation:	17<	28° <	44	0.8<1.1s<1.3
Minimum Energy:	23<	31° <	43	0.8<1.0s<1.2
Eigenvalue:	17<	27° <	41	0.8<1.0s<1.3

Quality: **good** IsNull: **No** Phase: **SKS**





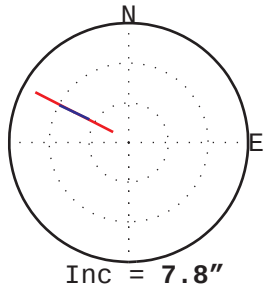


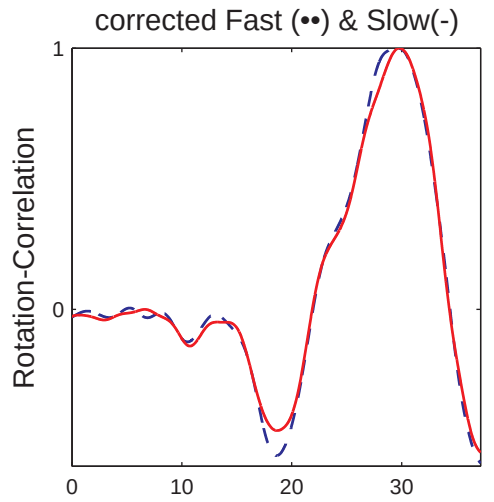


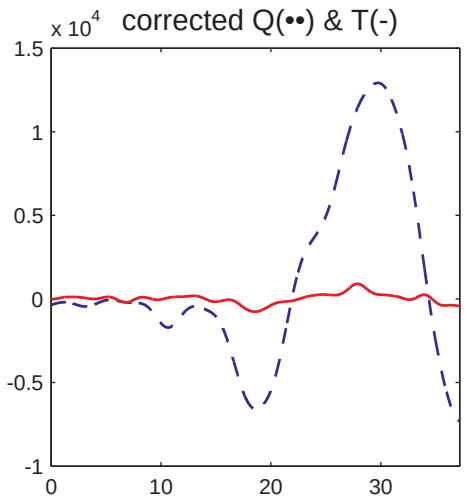
Event: **27-Aug-2012 (240) 04:37 12.14N -88.59E 28km Mw=7.3**
Station: **DOGA** Backazimuth: **299.1”** Distance: **104.94”**
init.Pol.: **116.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**24.7**

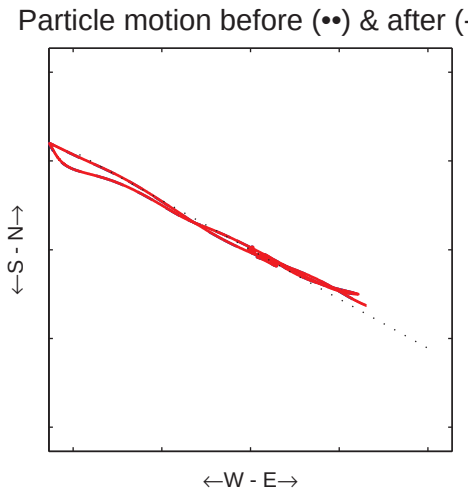
Rotation Correlation:	56<	72° < -91	0.0<0.0s<0.0
Minimum Energy:	-82<	-63° < -64	0.1<2.7s<4.0
Eigenvalue:	-Inf<	-65° < Inf	0.0<1.0s<Inf

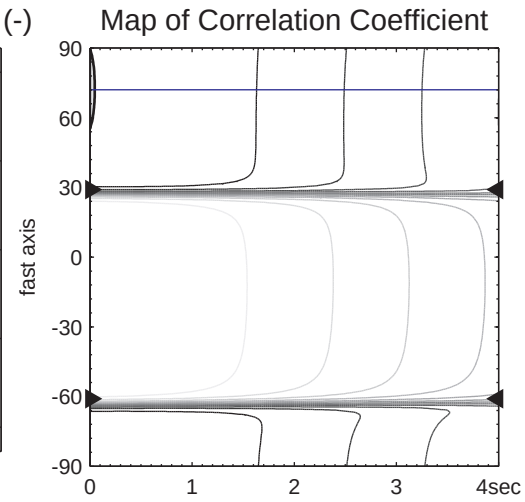
Quality: **good** IsNull: **Yes** Phase: **SKS**

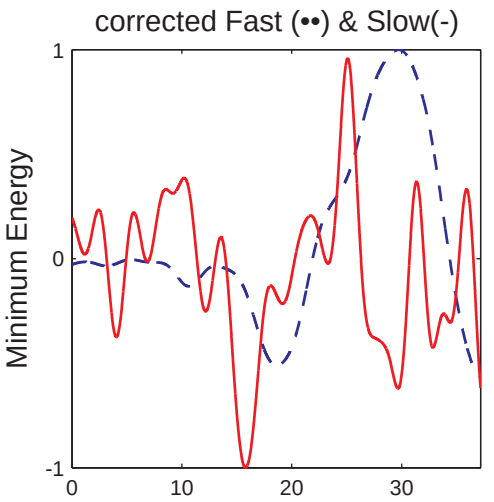


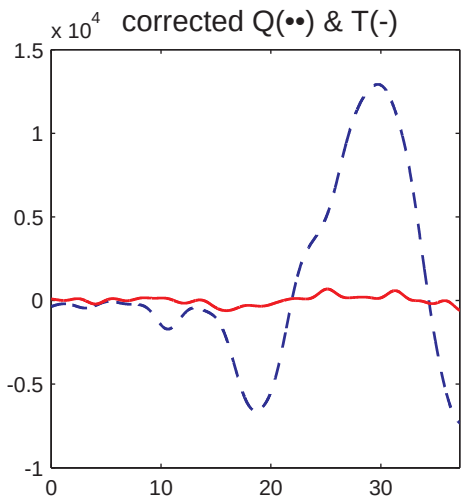


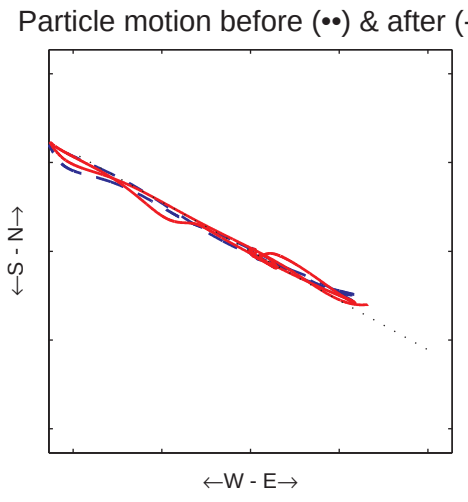


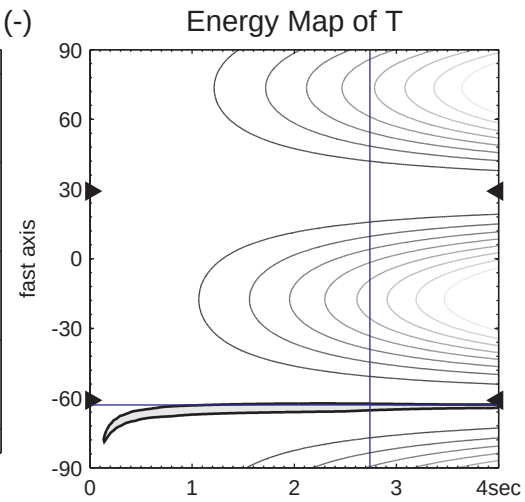


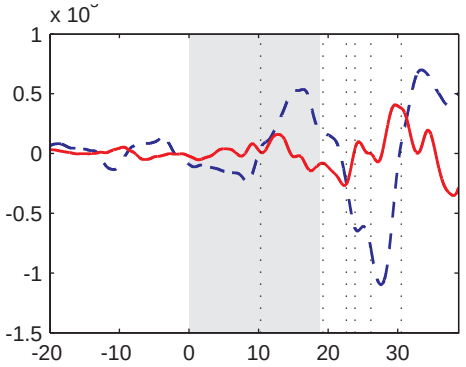








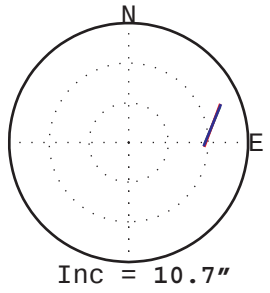


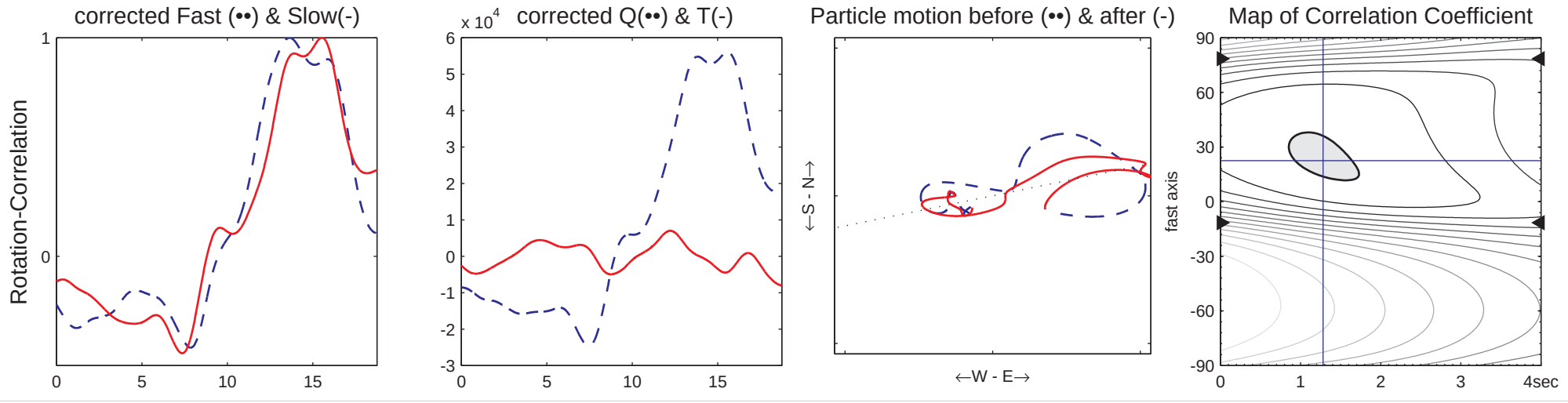


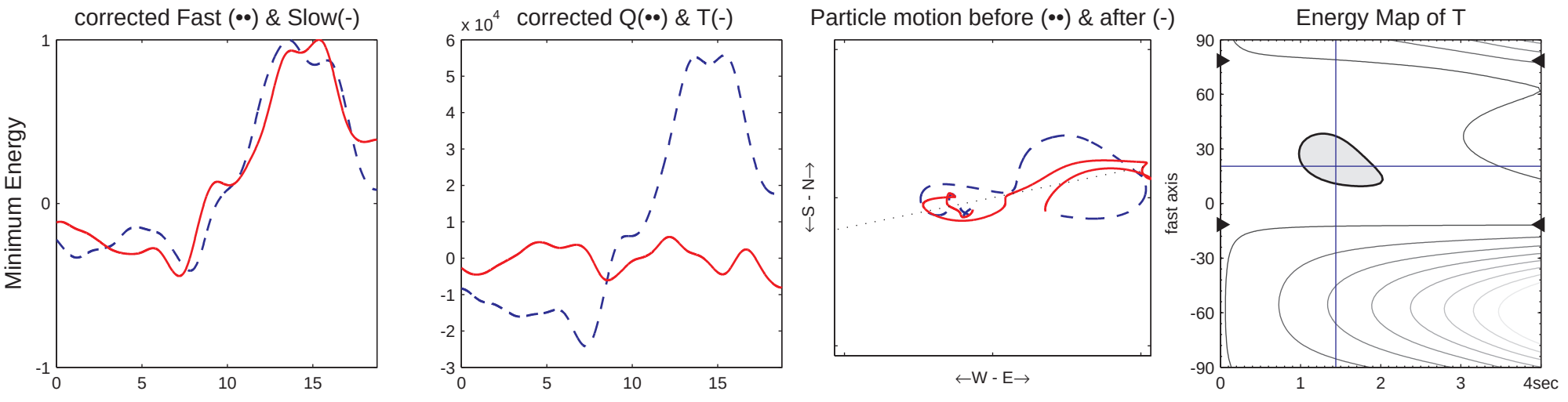
Event: **31-Aug-2012 (244) 12:47 10.81N 126.64E 28km Mw=7.6**
Station: **DOGA** Backazimuth: **78.4”** Distance: **87.20”**
init.Pol.: **259.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.9**

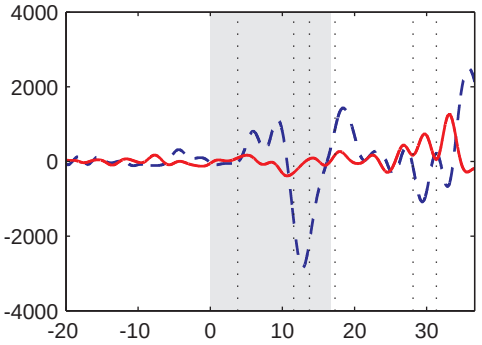
Rotation Correlation:	12<	22° <	38	0.9<1.3s<1.7
Minimum Energy:	9<	20° <	37	1.0<1.4s<2.0
Eigenvalue:	9<	22° <	43	1.0<1.4s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





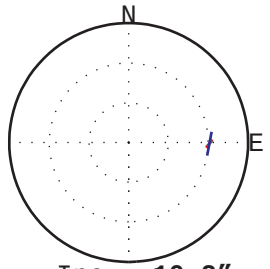




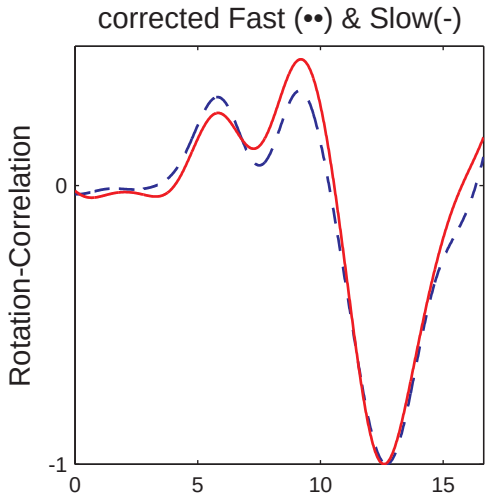
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **ELBS** Backazimuth: **90.9”** Distance: **90.41”**
init.Pol.: **268.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.1**

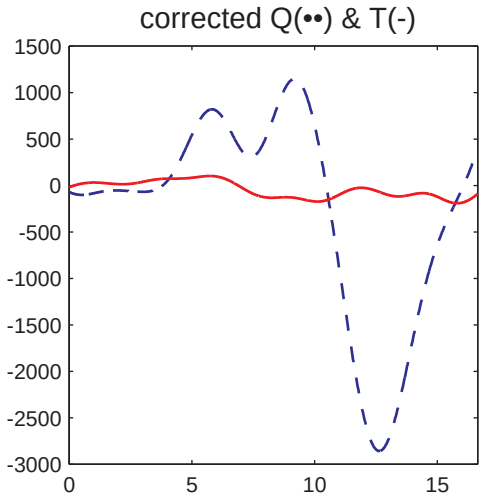
Rotation Correlation:	23<	43° <	65	0.1<0.3s<0.5
Minimum Energy:	5<	33° <	86	0.1<0.3s<1.5
Eigenvalue:	-1<	11° <	82	0.2<0.8s<3.4

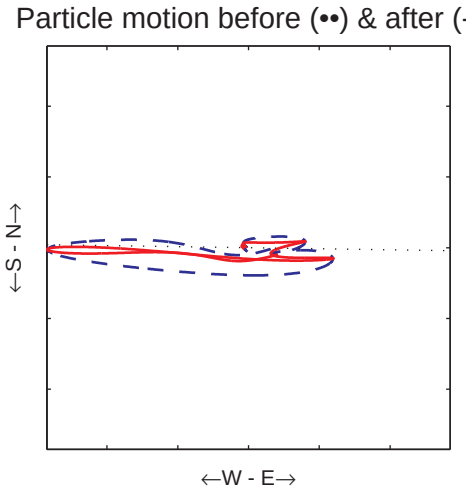
Quality: **fair** IsNull: **No** Phase: **SKS**

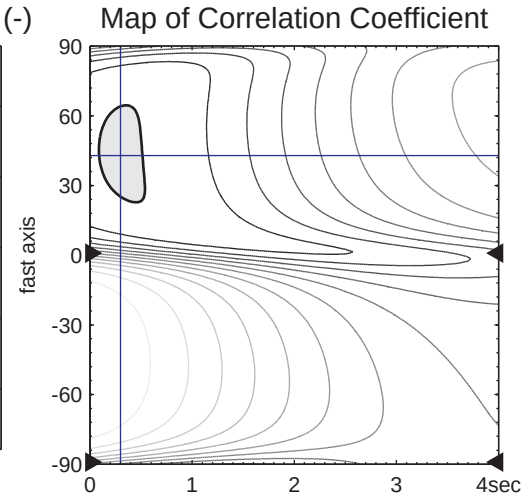


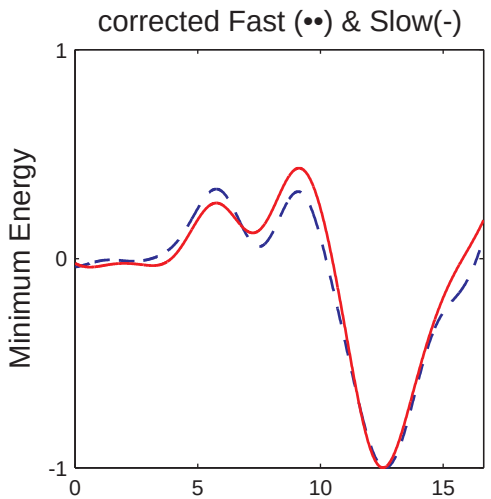
Inc = **10.2”**

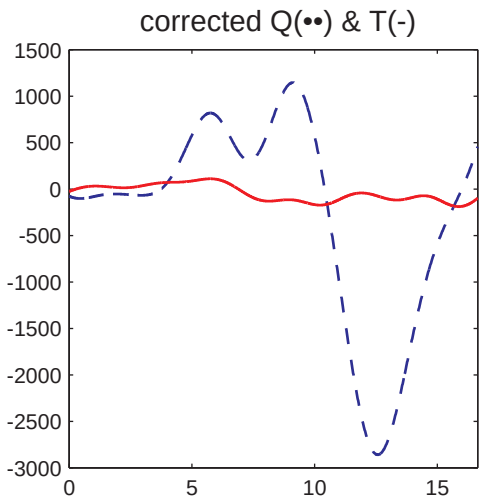


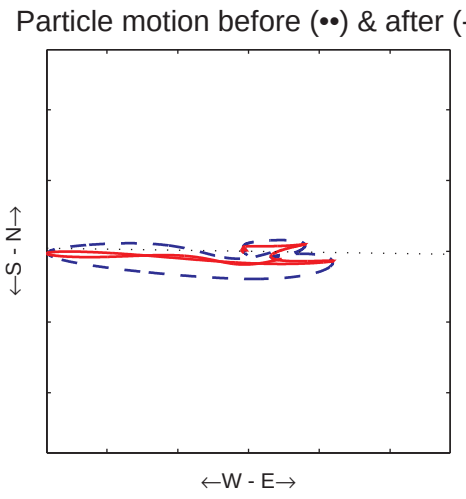


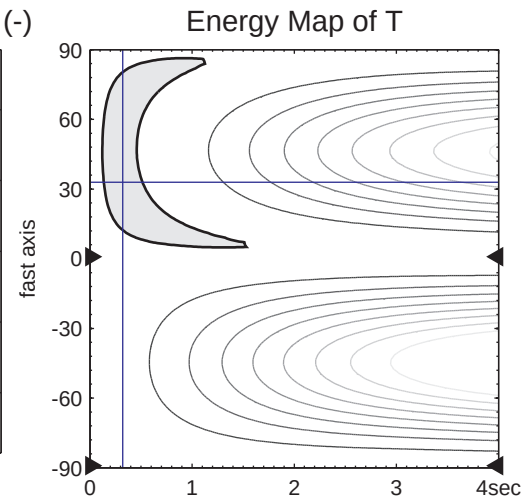


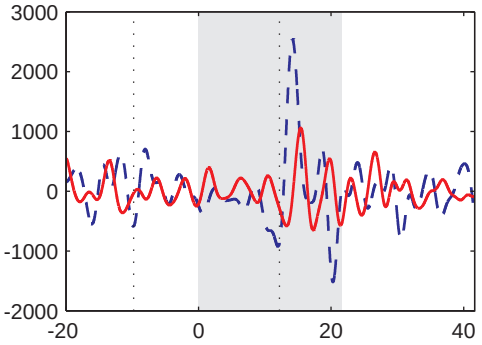








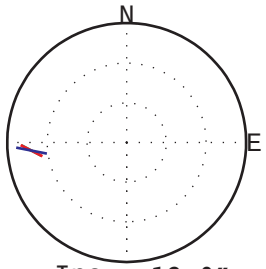




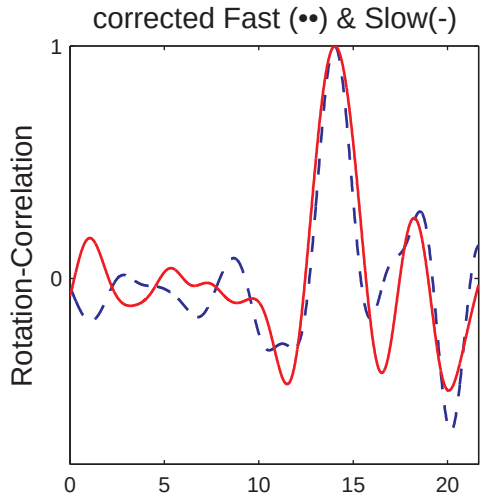
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=6.6
Station: **ELBS** Backazimuth: **265.1”** Distance: **108.93”**
init.Pol.: **74.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

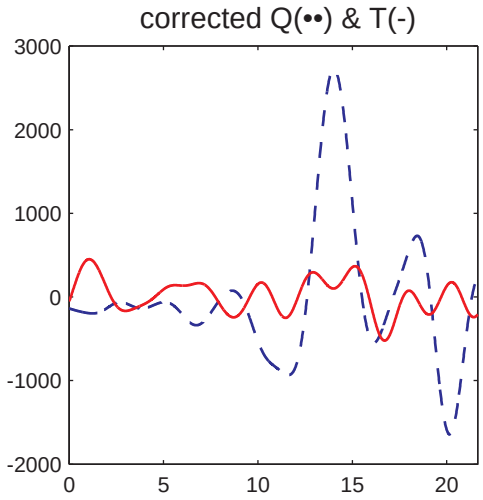
Rotation Correlation:	-77< **-62°** < -46	0.5<0.7s<1.0
Minimum Energy:	-80< **-63°** < -46	0.5<0.8s<1.1
Eigenvalue:	-92< **-79°** < -60	0.6<1.0s<1.3

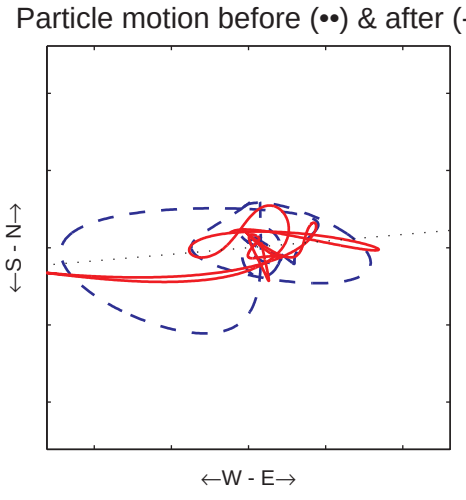
Quality: **fair** IsNull: **No** Phase: **SKKS**

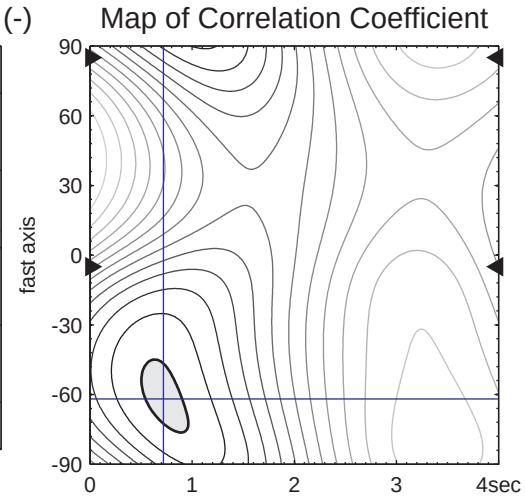


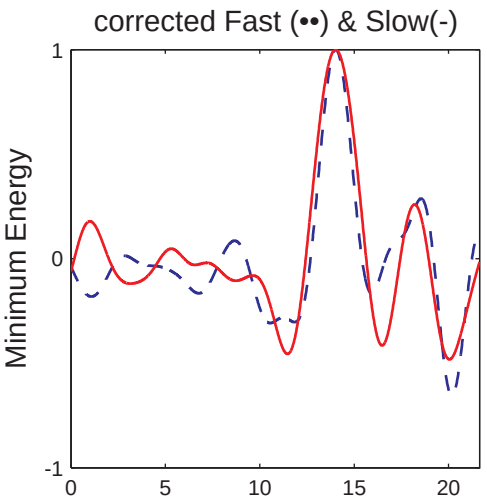
Inc = **12.0”**

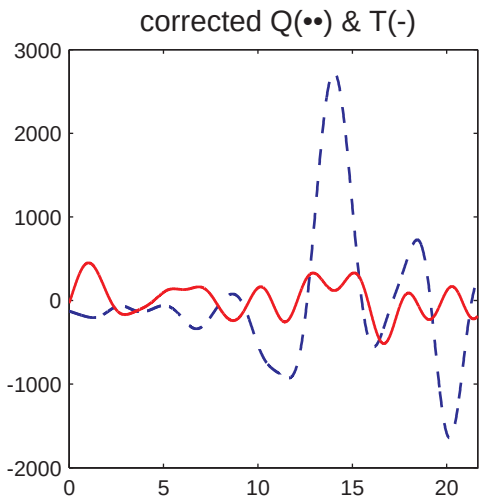


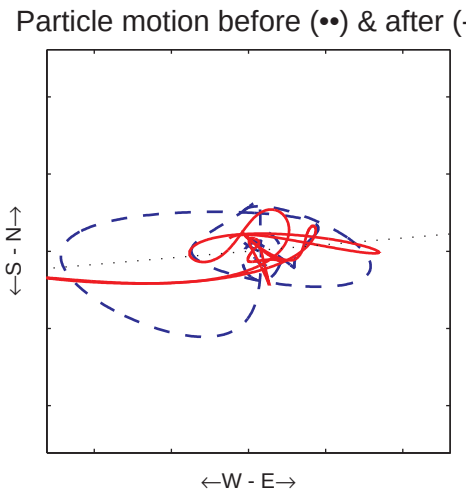


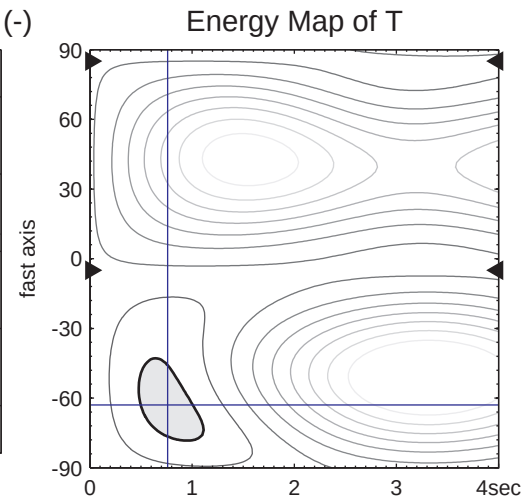


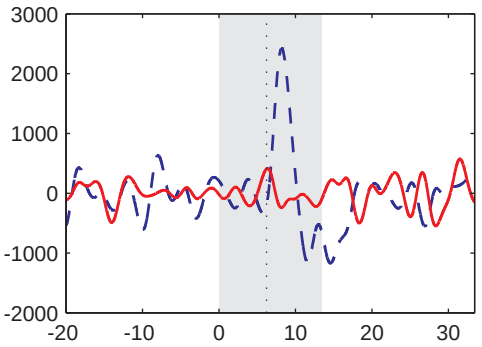








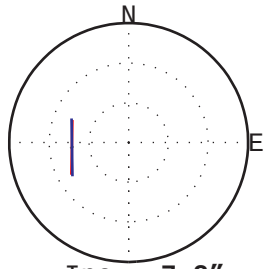




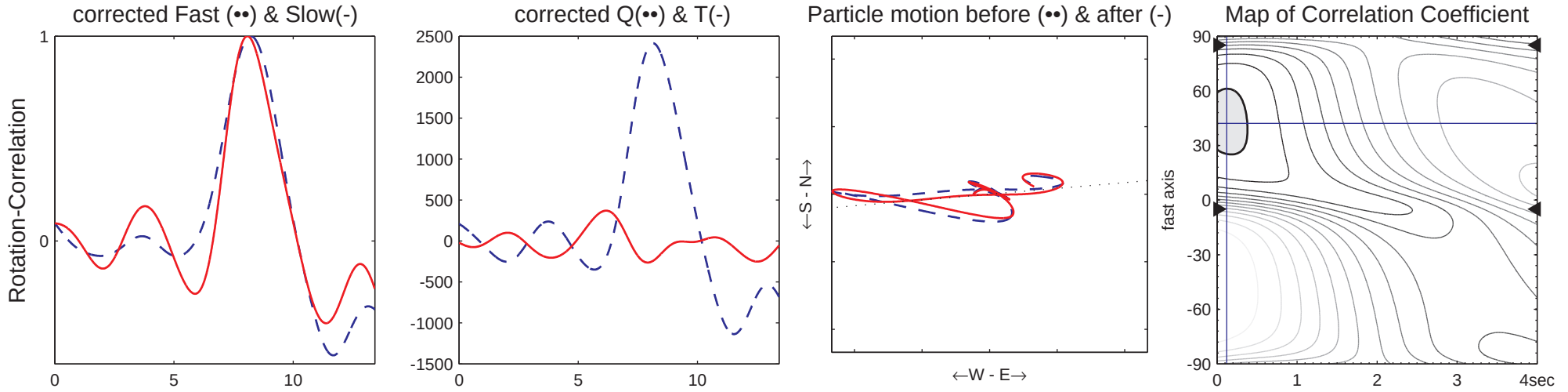
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **ELBS** Backazimuth: **265.1”** Distance: **108.93”**
init.Pol.: **80.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.2**

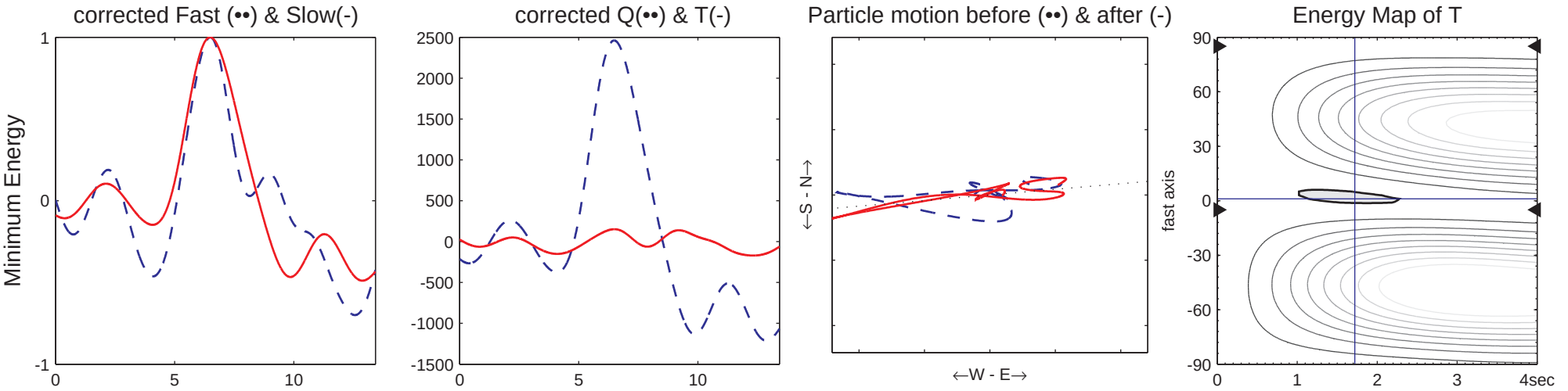
Rotation Correlation:	25<	42° <	61	0.0<0.1s<0.4
Minimum Energy:	-1<	1° <	5	1.0<1.7s<2.3
Eigenvalue:	-7<	-1° <	1	1.4<1.8s<2.3

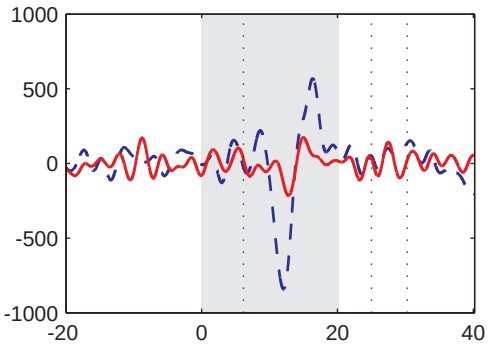
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.2”**



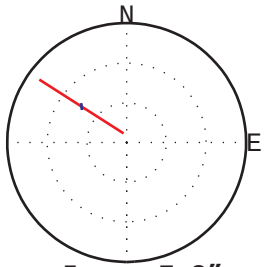




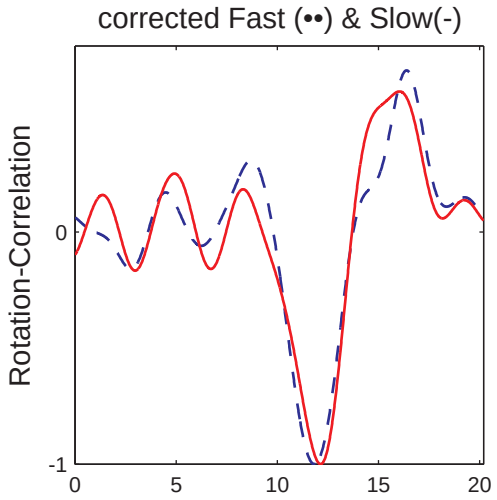
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **ELBS** Backazimuth: **308.5”** Distance: **109.24”**
init.Pol.: **118.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

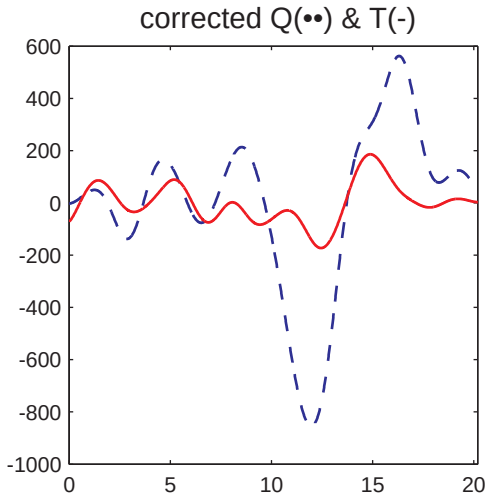
Rotation Correlation:	-27<	-17° <	-8	0.1<0.2s<0.3
Minimum Energy:	-62<	-58° <	-58	2.3<3.1s<4.0
Eigenvalue:	-68<	-6° <	27	0.0<0.2s<4.0

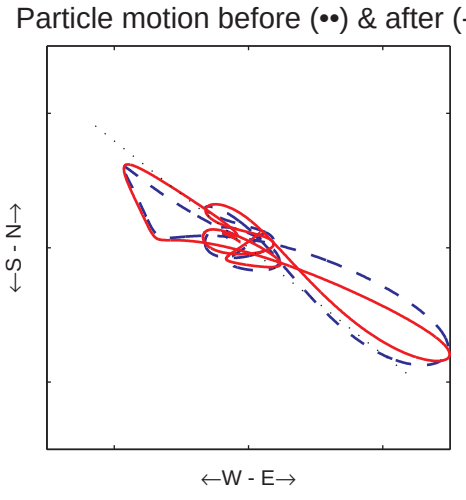
Quality: **good** IsNull: **Yes** Phase: **SKS**

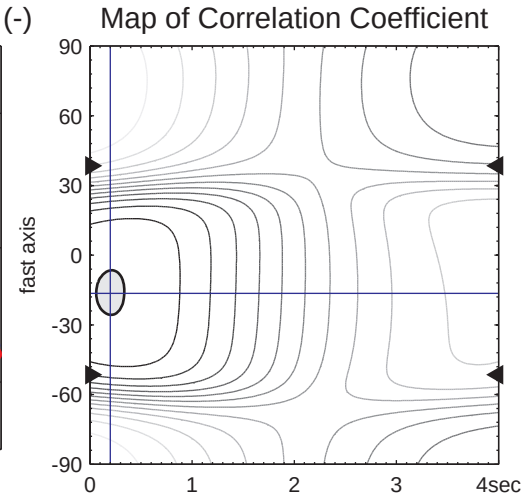


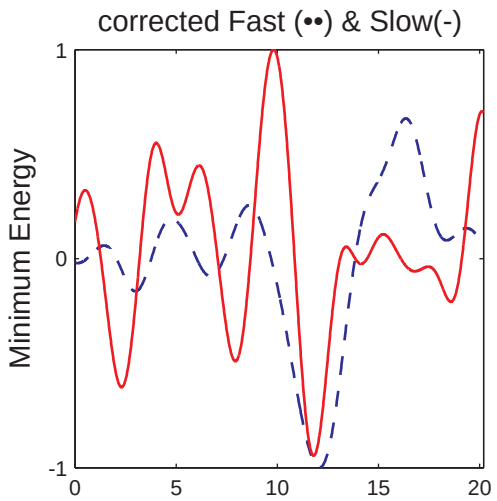
Inc = **7.3”**

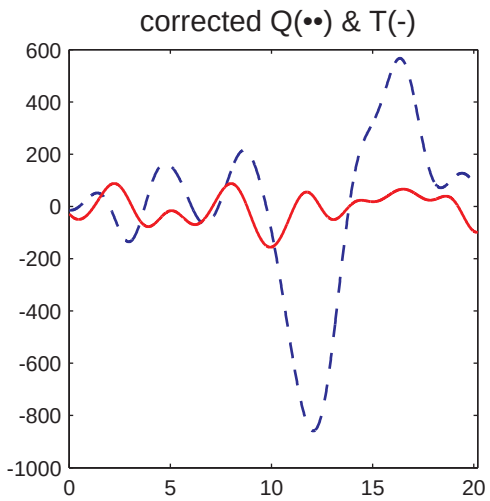


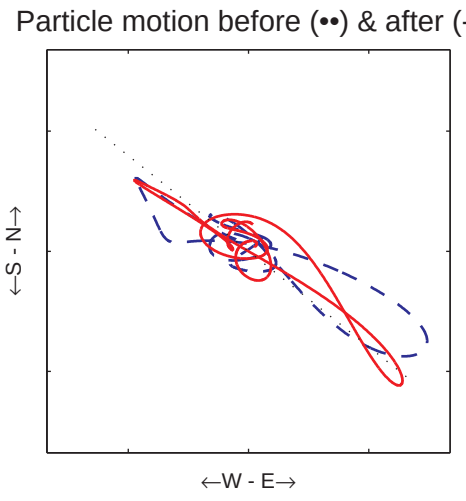


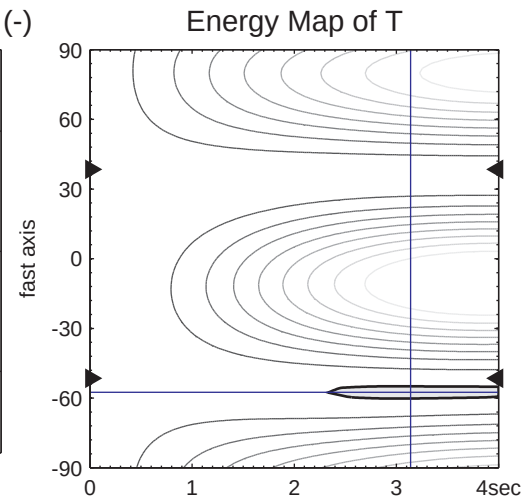


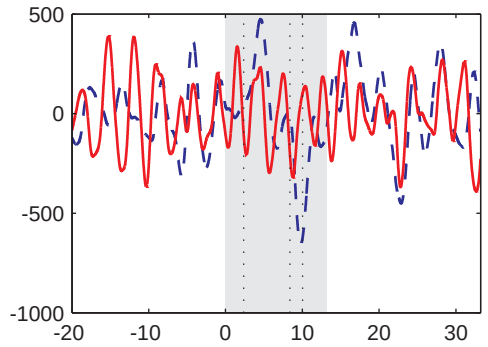








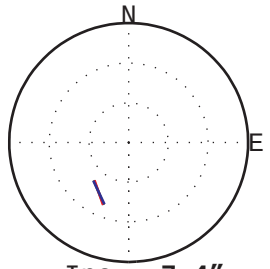




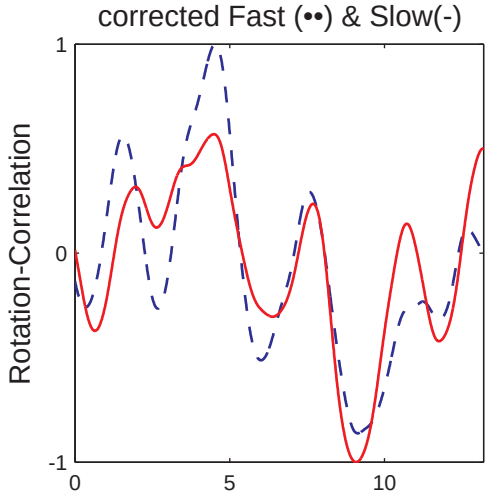
Event: **22-Jan-2012 (022) 05:53 -56.76N -25.15E 13km Mw=6.0**
Station: **ELBS** Backazimuth: **210.8”** Distance: **108.58”**
init.Pol.: **22.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

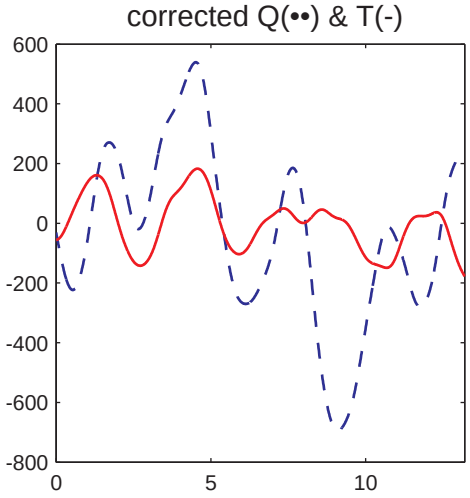
Rotation Correlation:	-33< -22° < -12	0.7<0.8s<1.0
Minimum Energy:	-33< -19° < -7	0.6<0.8s<1.1
Eigenvalue:	-43< -25° < -11	0.6<0.8s<1.1

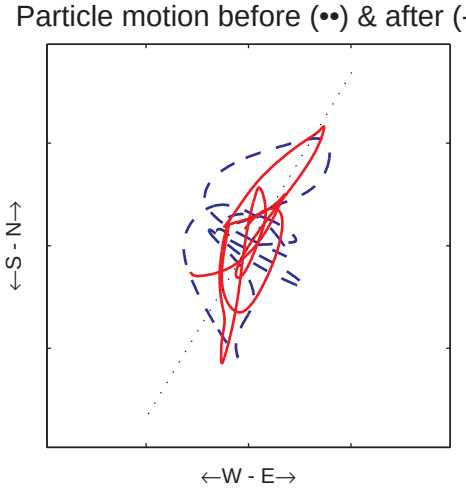
Quality: **good** IsNull: **No** Phase: **SKS**

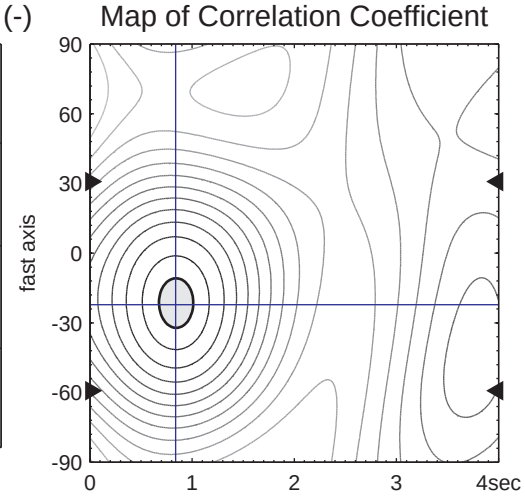


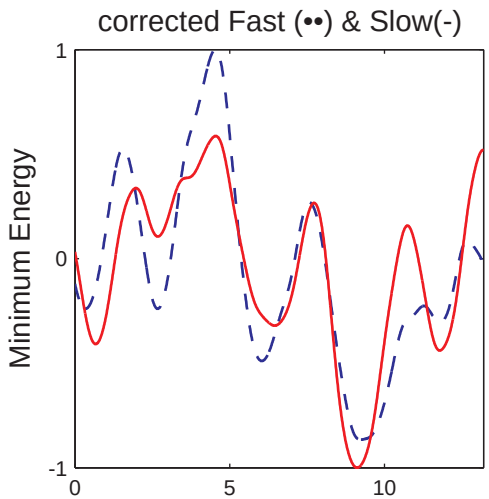
Inc = **7.4”**

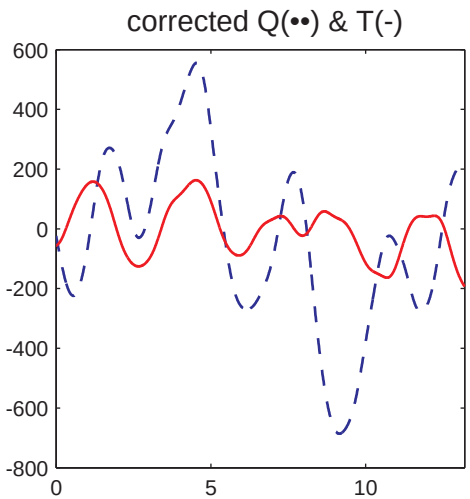


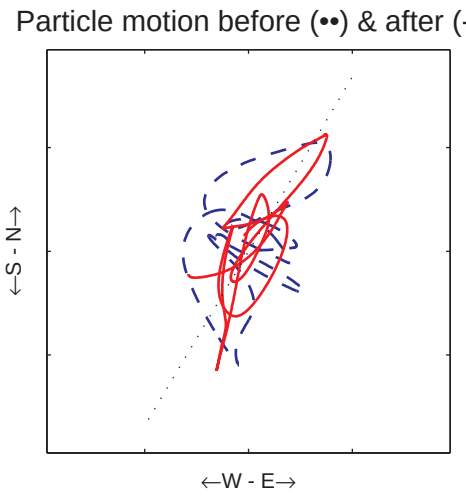


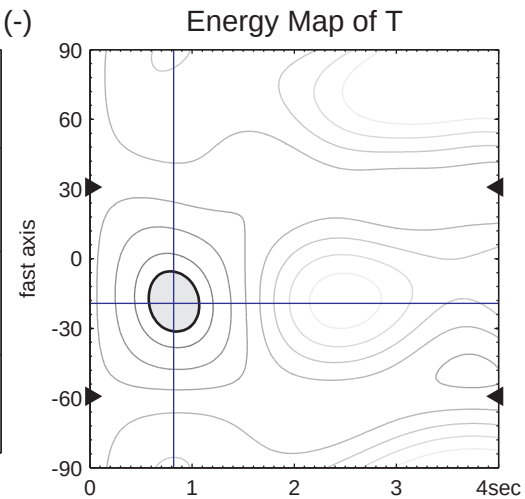


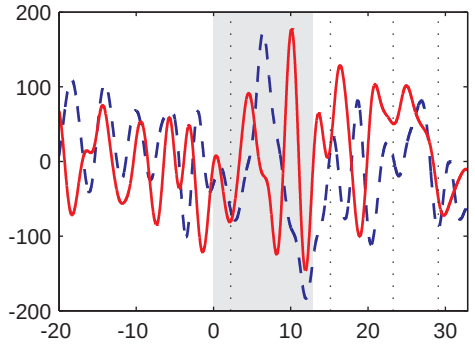








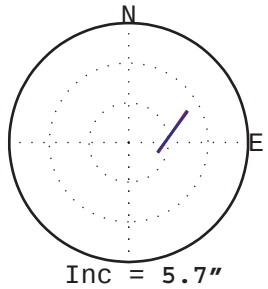


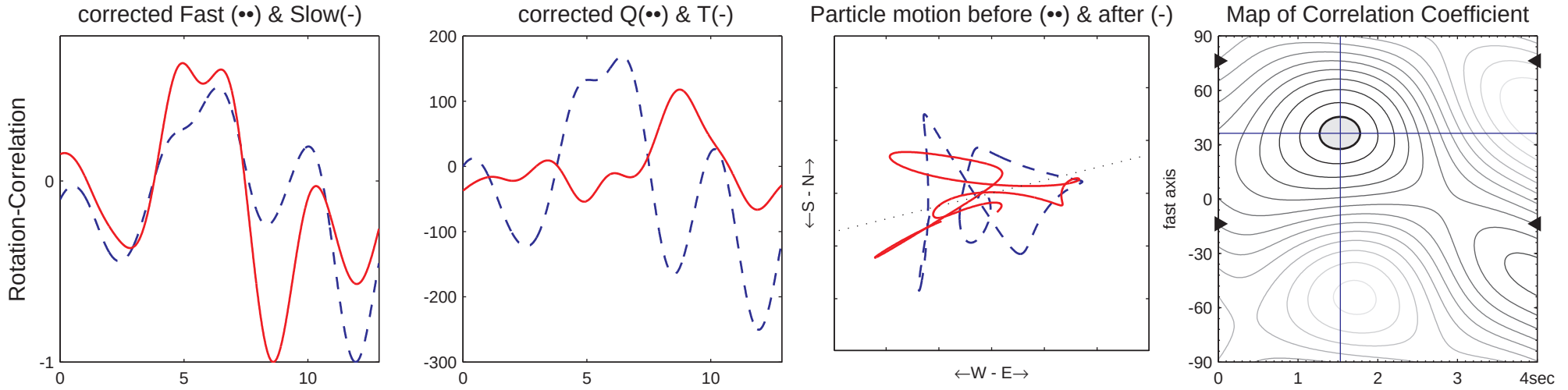


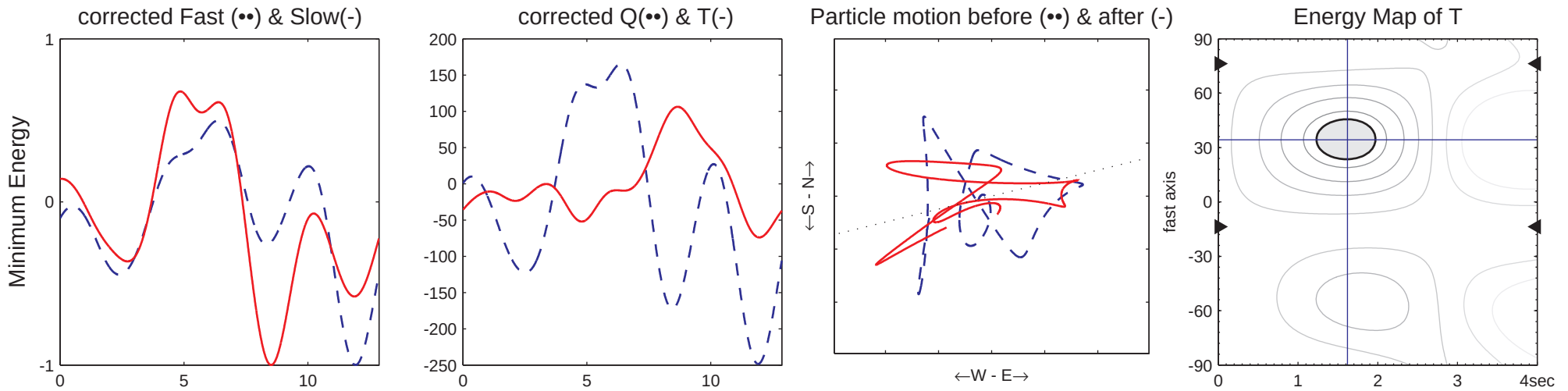
Event: **14-Feb-2012 (045) 08:19 -10.39N 161.10E 51km Mw=6.4**
Station: **ELBS** Backazimuth: **76.3”** Distance: **122.89”**
init.Pol.: **260.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.7**

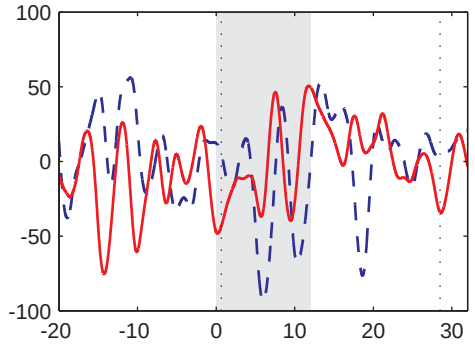
Rotation Correlation:	28<	36° <	46	1.3<1.5s<1.8
Minimum Energy:	23<	34° <	46	1.2<1.6s<2.0
Eigenvalue:	21<	36° <	52	1.2<1.6s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





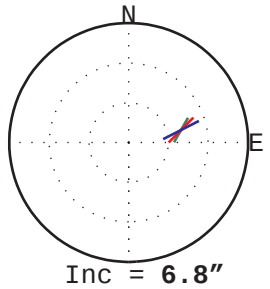


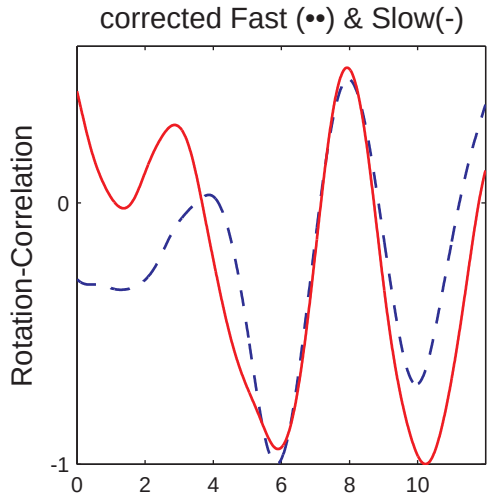


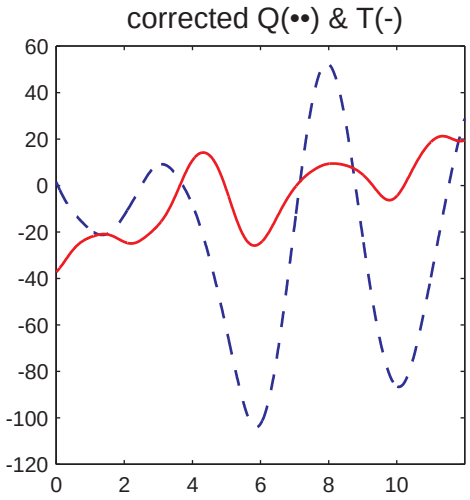
Event: **06-Apr-2012 (097) 16:15 -4.55N 153.46E 108km Mw=6.1**
Station: **ELBS** Backazimuth: **76.7”** Distance: **113.33”**
init.Pol.: **278.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.0**

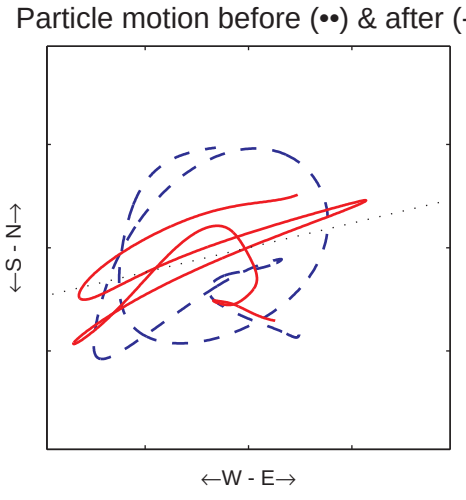
Rotation Correlation:	10<	30° <	52	0.6<0.9s<1.2
Minimum Energy:	29<	45° <	58	0.7<1.1s<1.5
Eigenvalue:	33<	63° <	-90	0.9<1.3s<1.6

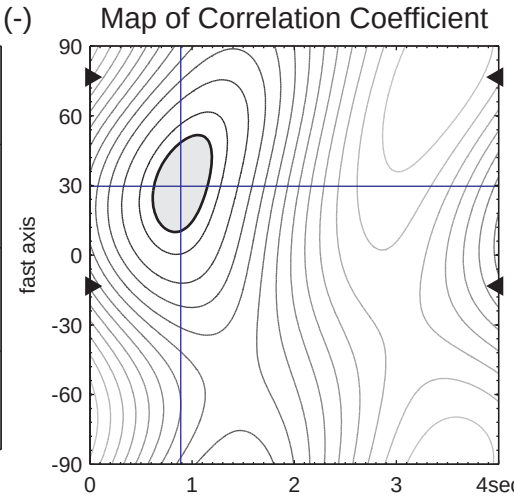
Quality: **fair** IsNull: **No** Phase: **SKS**

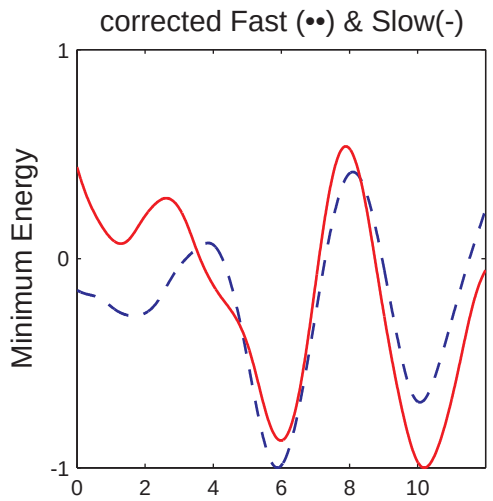


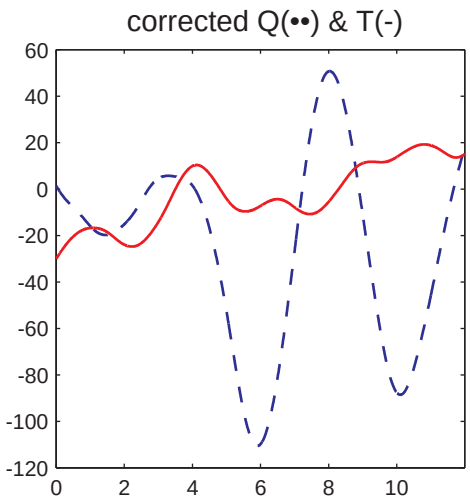


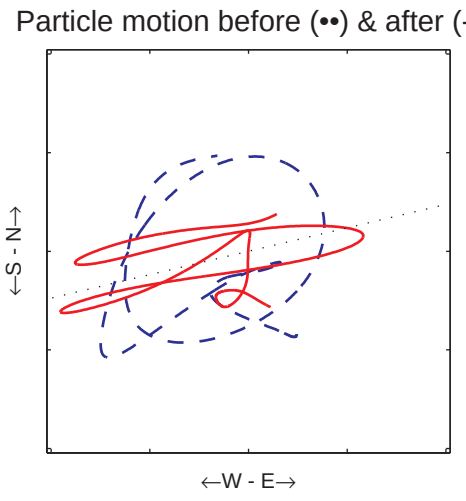


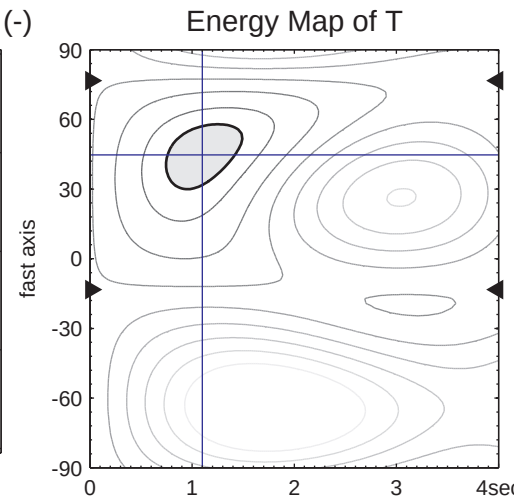


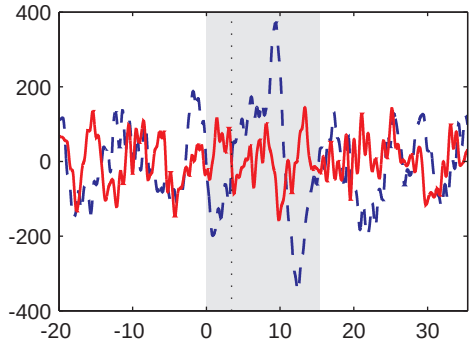








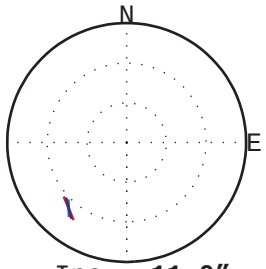




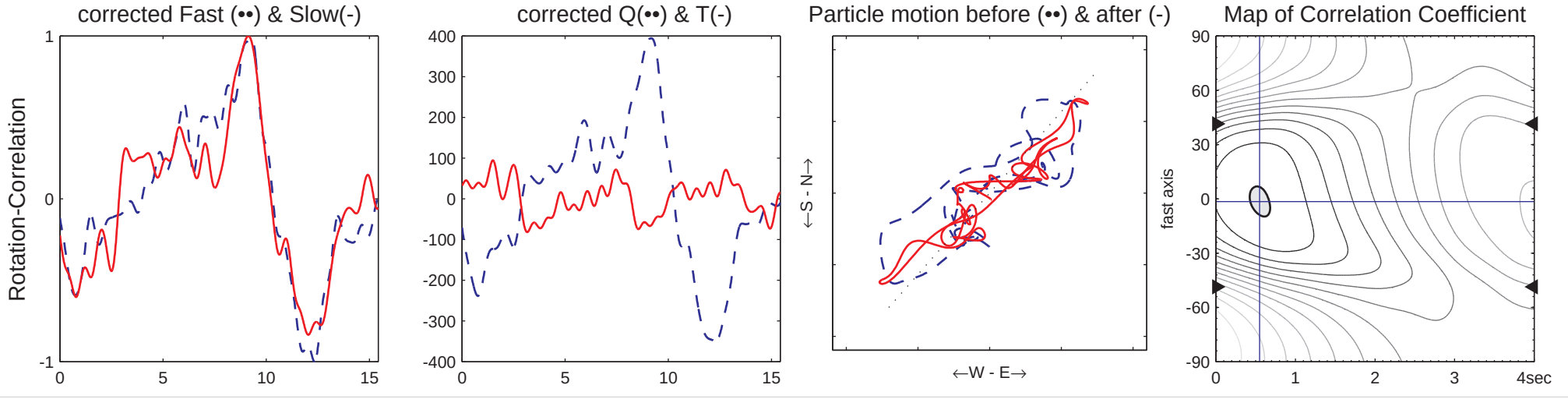
Event: **14-Apr-2012 (105) 10:56 -57.68N -65.31E 15km Mw=6.2**
Station: **ELBS** Backazimuth: **221.4”** Distance: **127.91”**
init.Pol.: **46.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.3**

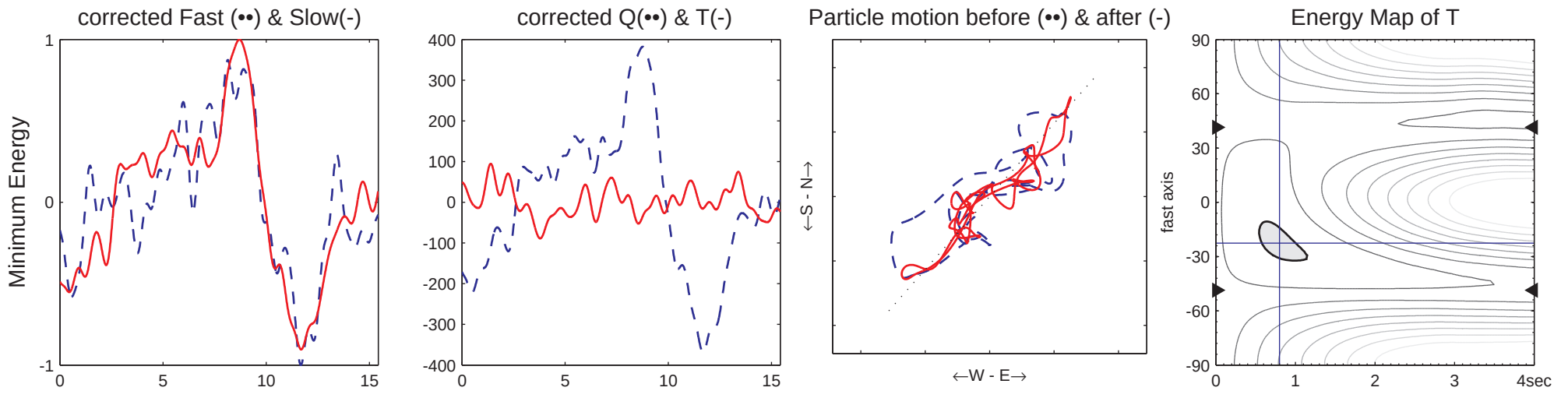
Rotation Correlation:	-11<	-2° <	6	0.4<0.6s<0.7
Minimum Energy:	-33<	-23° <	-13	0.5<0.8s<1.1
Eigenvalue:	-29<	-15° <	-1	0.5<0.7s<1.0

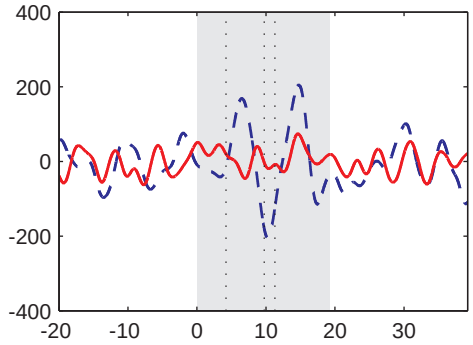
Quality: **fair** IsNull: **Yes** Phase: **SKKS**



Inc = **11.0”**



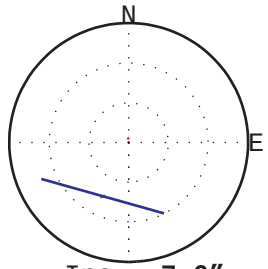


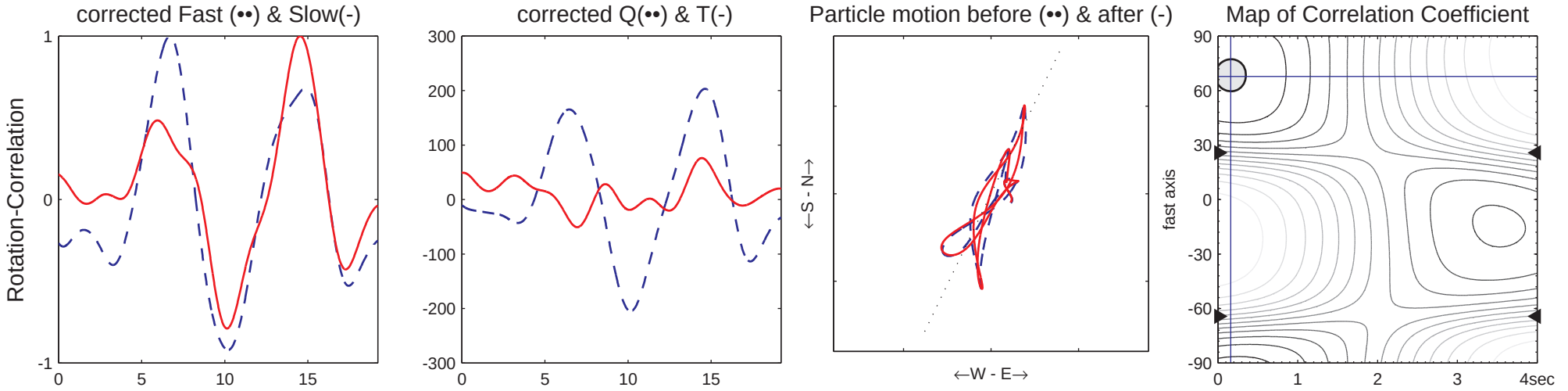


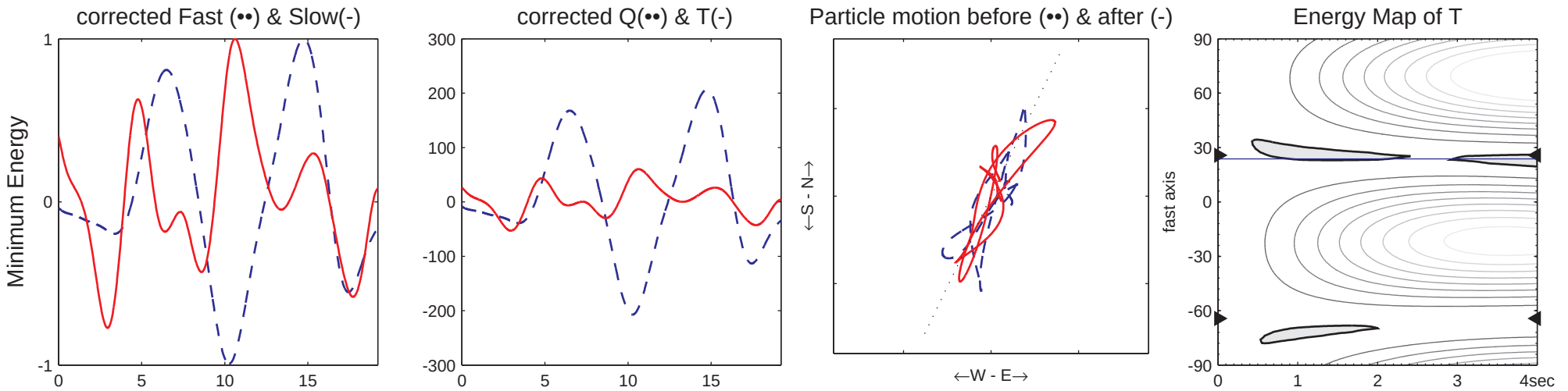
Event: **17-Apr-2012 (108) 19:03 -59.02N -16.61E 12km Mw=6.2**
Station: **ELBS** Backazimuth: **205.7”** Distance: **107.02”**
init.Pol.: **6.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.9**

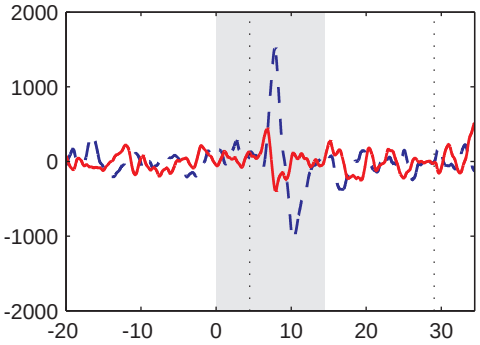
Rotation Correlation:	60<	68° <	77	0.0<0.2s<0.3
Minimum Energy:	19<	24° <	25	2.9<4.0s<4.0
Eigenvalue:	-86<	-74° <	-70	3.5<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





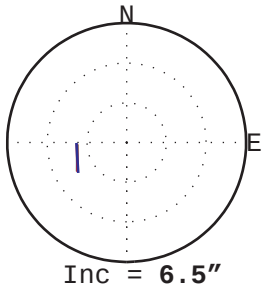


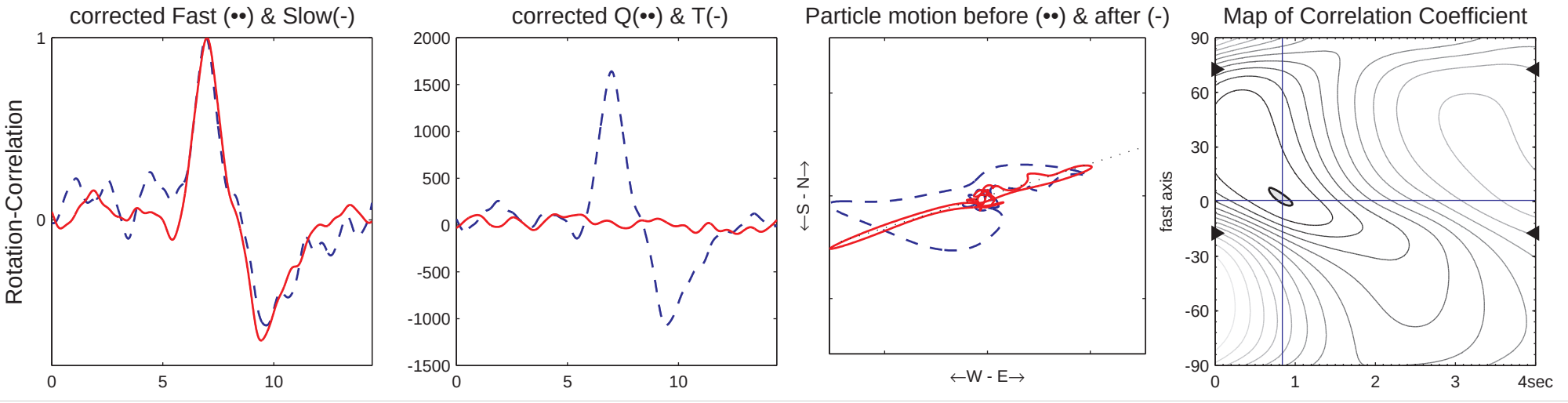


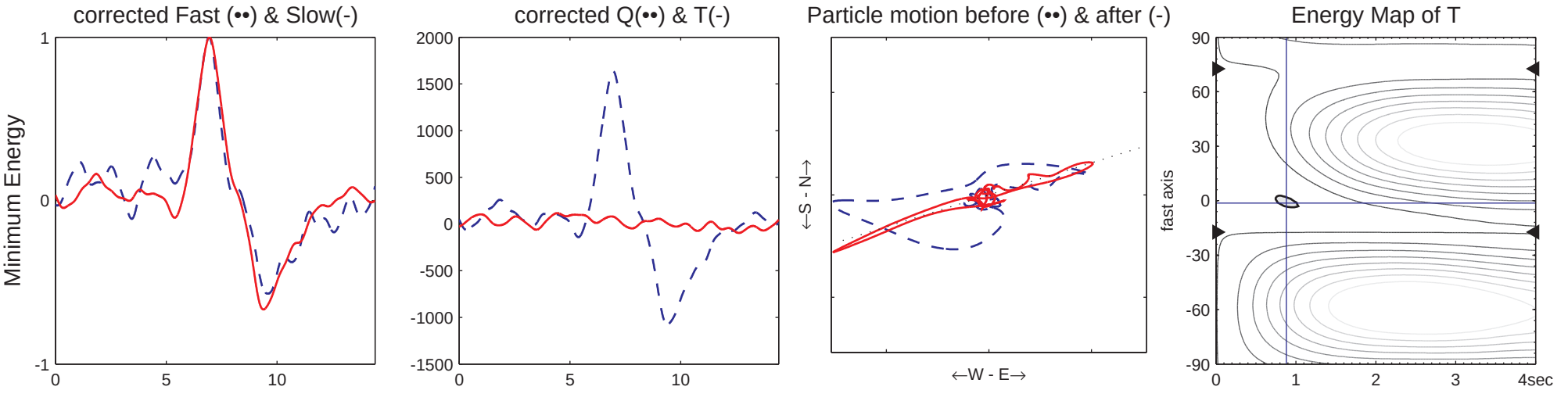
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **ELBS** Backazimuth: **252.6”** Distance: **114.49”**
init.Pol.: **70.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**14.9**

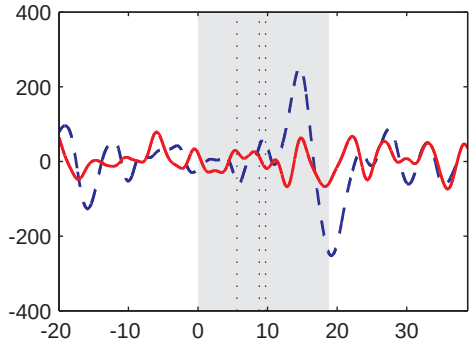
Rotation Correlation:	-3<	1° <	8	0.7<0.8s<1.0
Minimum Energy:	-5<	-1° <	1	0.7<0.9s<1.0
Eigenvalue:	-7<	-3° <	-1	0.8<0.9s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





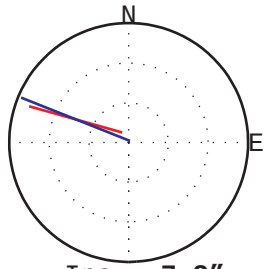




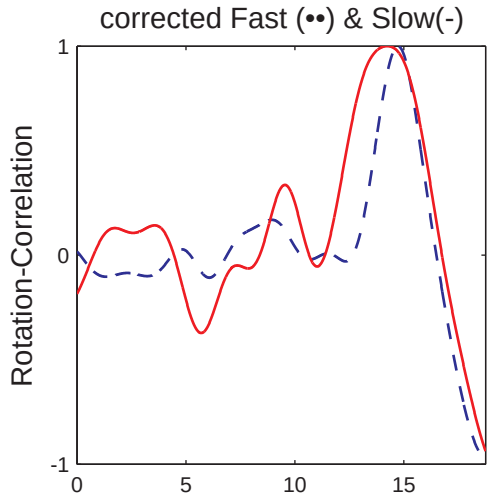
Event: **04-Jun-2012 (156) 00:45 5.30N -82.63E 7km Mw=6.3**
Station: **ELBS** Backazimuth: **293.7”** Distance: **109.29”**
init.Pol.: **126.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

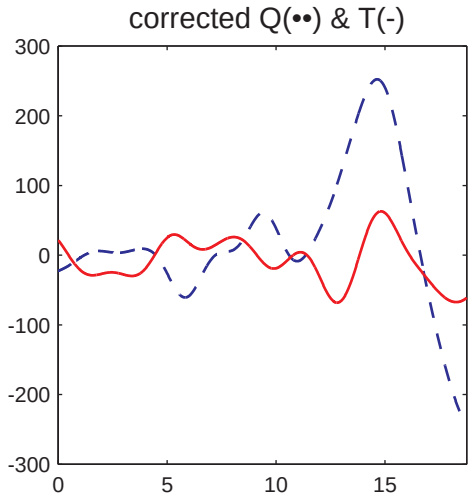
Rotation Correlation:	55<	61° <	68	0.0<0.0s<0.0
Minimum Energy:	-80<	-74° <	-76	2.4<3.0s<3.7
Eigenvalue:	-76<	-68° <	-68	3.1<3.7s<4.0

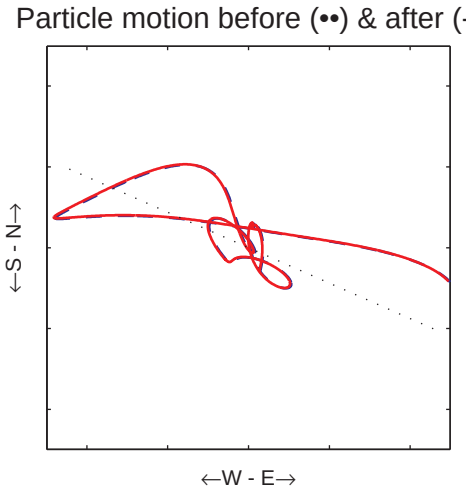
Quality: **good** IsNull: **Yes** Phase: **SKS**

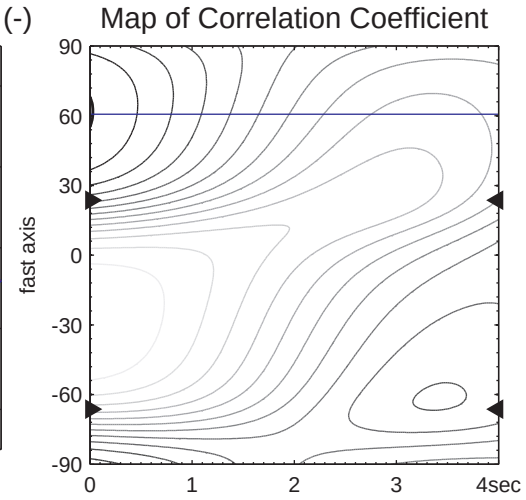


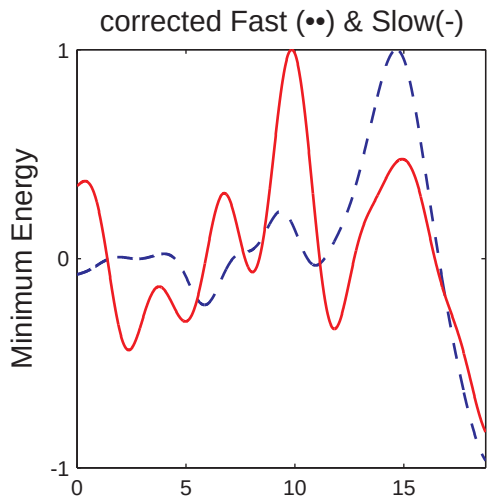
Inc = **7.3”**

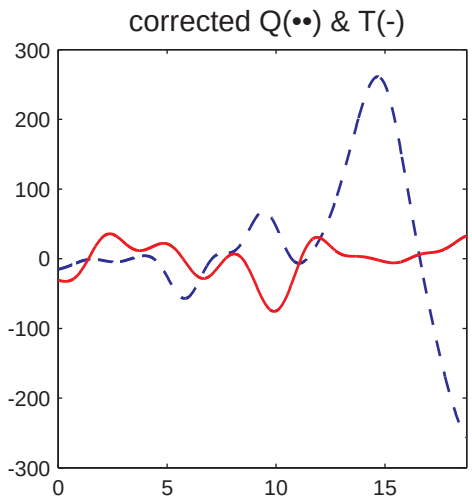


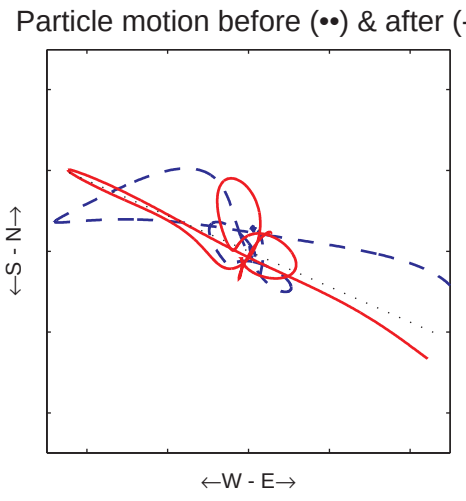


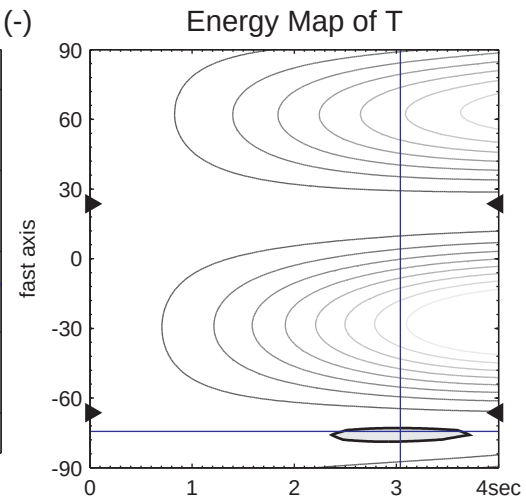


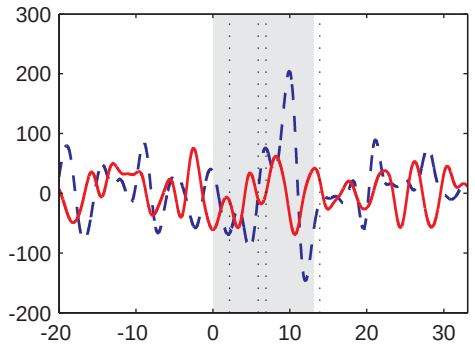








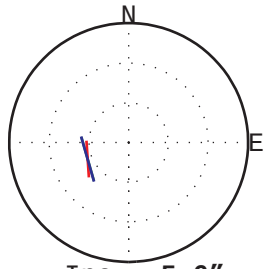


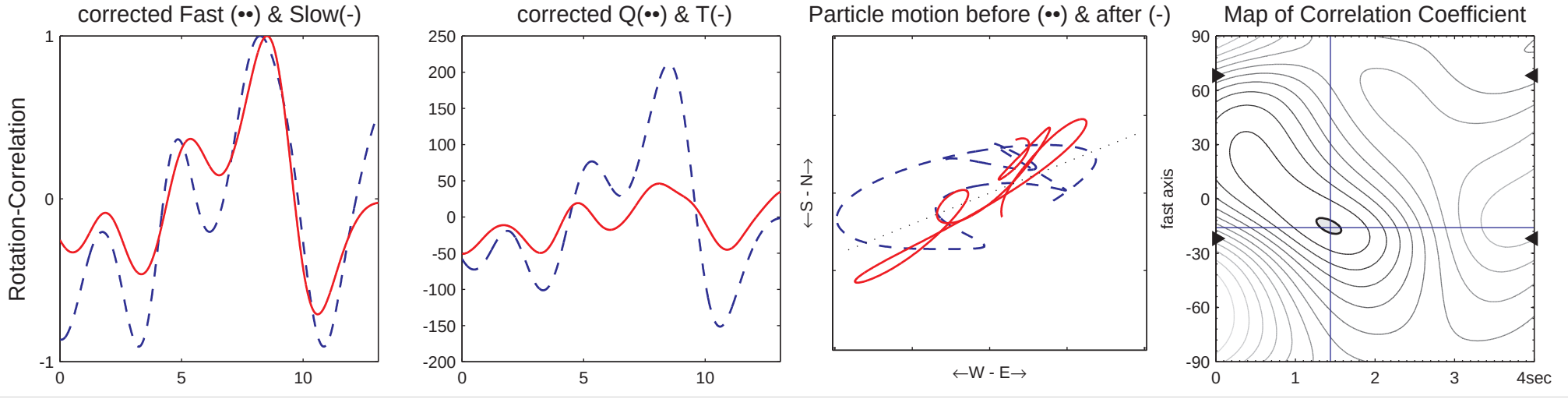


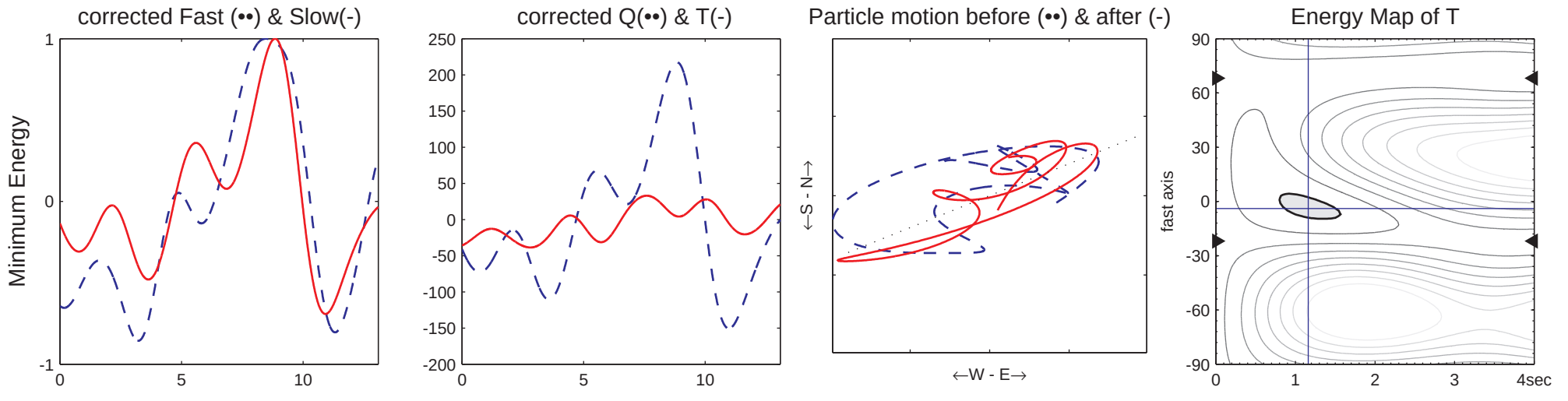
Event: **07-Jun-2012 (159) 04:05 -36.07N -70.57E 8km Mw=6.0**
Station: **ELBS** Backazimuth: **248.1”** Distance: **123.91”**
init.Pol.: **53.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.2**

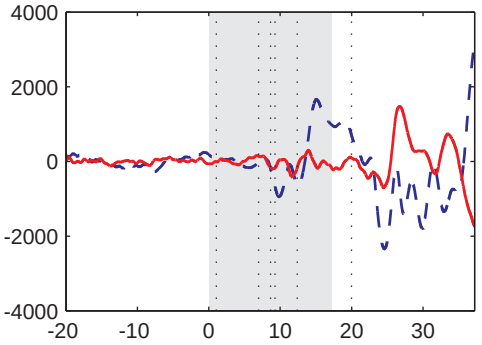
Rotation Correlation:	-21<	-16° < -12	1.3<1.4s<1.6
Minimum Energy:	-11<	-4° < 3	0.8<1.2s<1.6
Eigenvalue:	-21<	-16° < -11	1.3<1.5s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





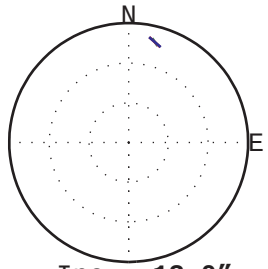




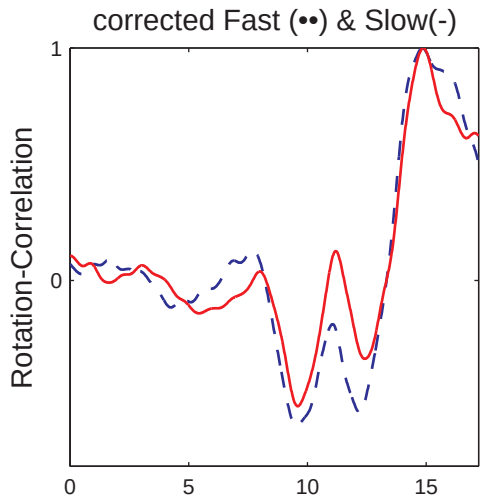
Event: **10-Aug-2012 (223) 18:37 52.63N -167.42E 13km Mw=6.2**
Station: **ELBS** Backazimuth: **14.6”** Distance: **86.57”**
init.Pol.: **193.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.7**

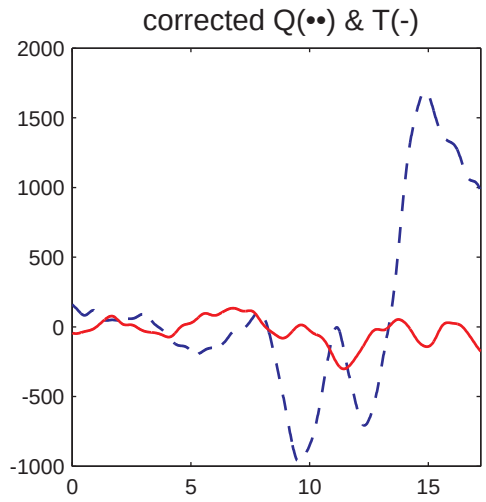
Rotation Correlation:	-42<	-34° <	-27	0.2<0.3s<0.4
Minimum Energy:	-62<	-47° <	-29	0.3<0.5s<0.7
Eigenvalue:	-64<	-49° <	-29	0.3<0.5s<0.7

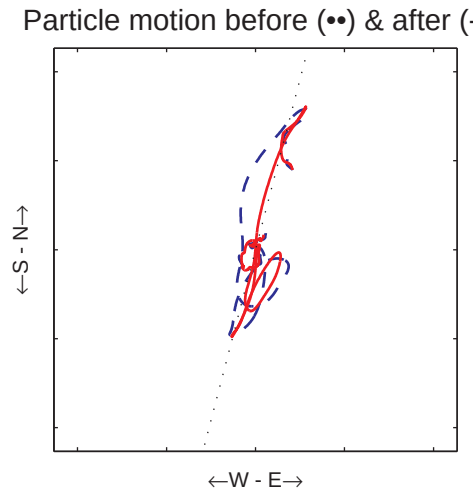
Quality: **fair** IsNull: **No** Phase: **SKKS**

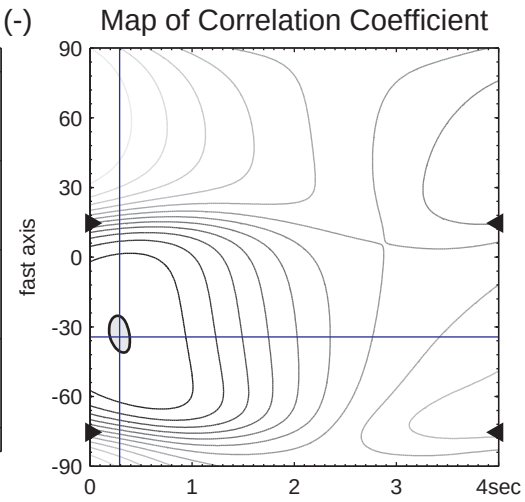


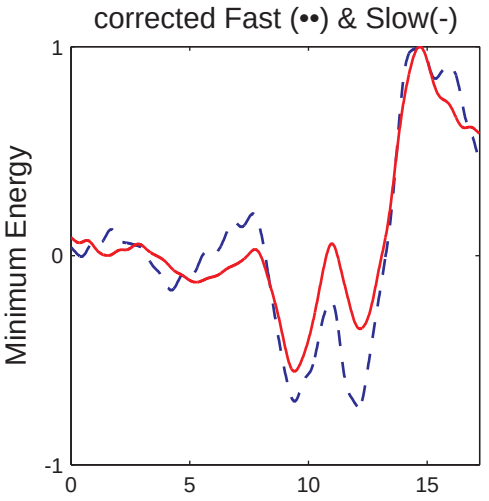
Inc = **13.0”**

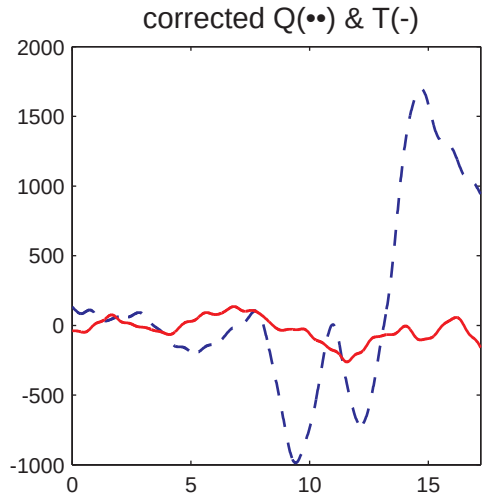


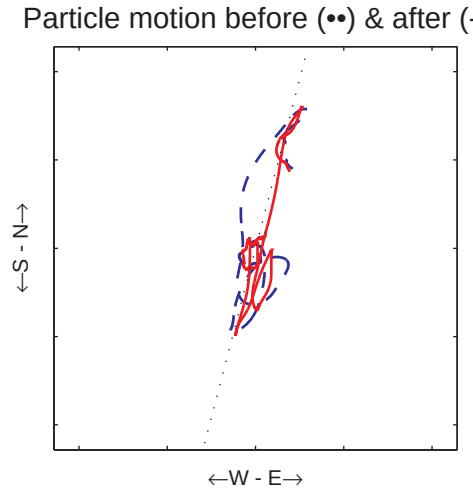


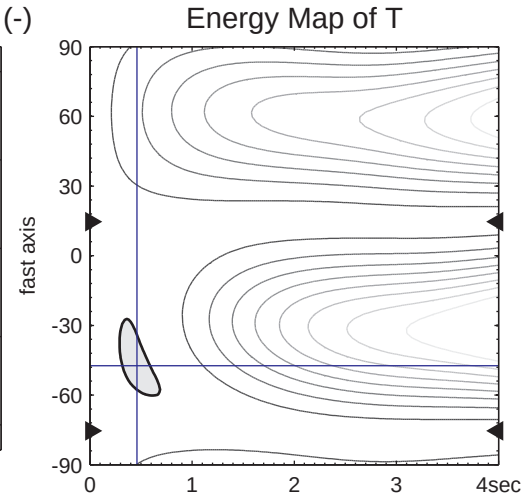


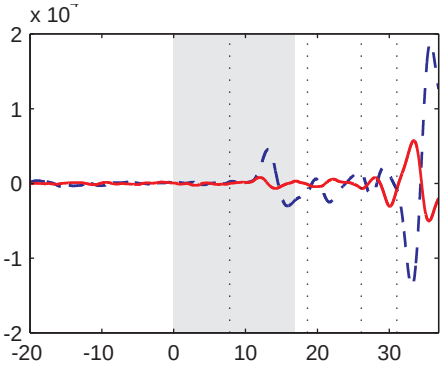








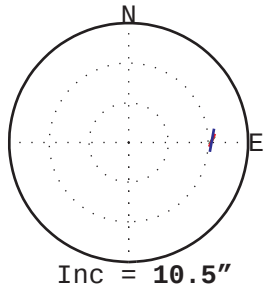


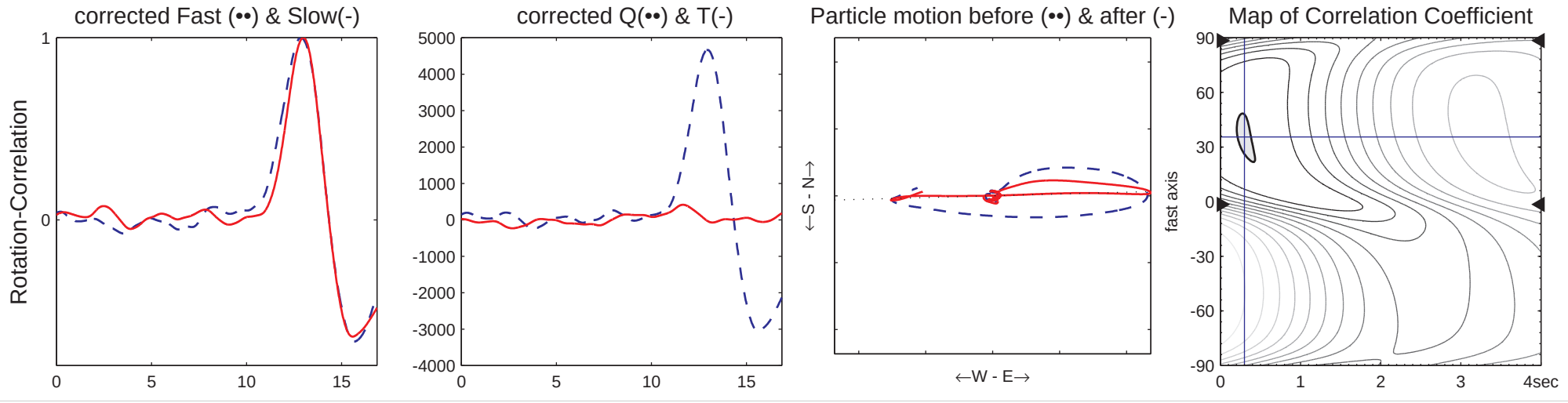


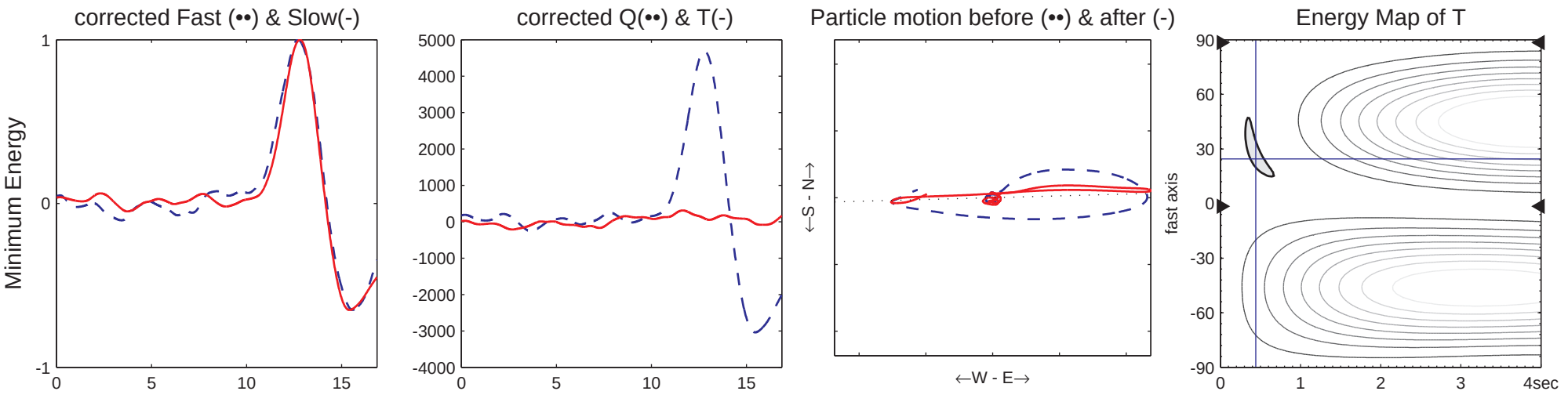
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **ELBS** Backazimuth: **88.5”** Distance: **88.41”**
init.Pol.: **264.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**19.0**

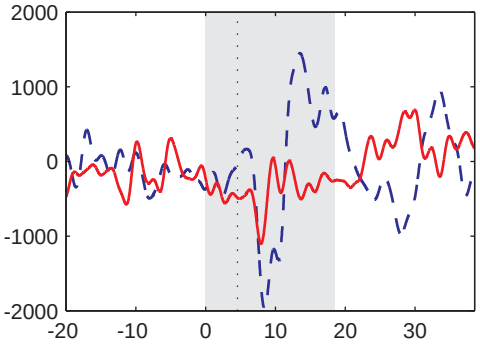
Rotation Correlation:	22<	35° <	49	0.2<0.3s<0.4
Minimum Energy:	15<	24° <	48	0.3<0.4s<0.7
Eigenvalue:	5<	10° <	19	0.5<0.7s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**



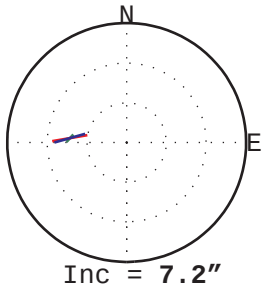


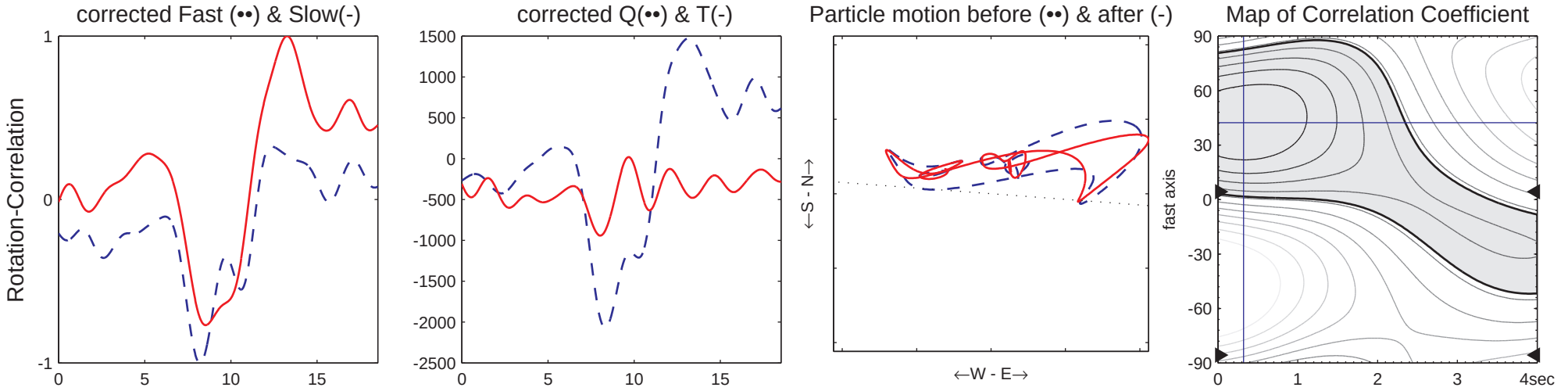


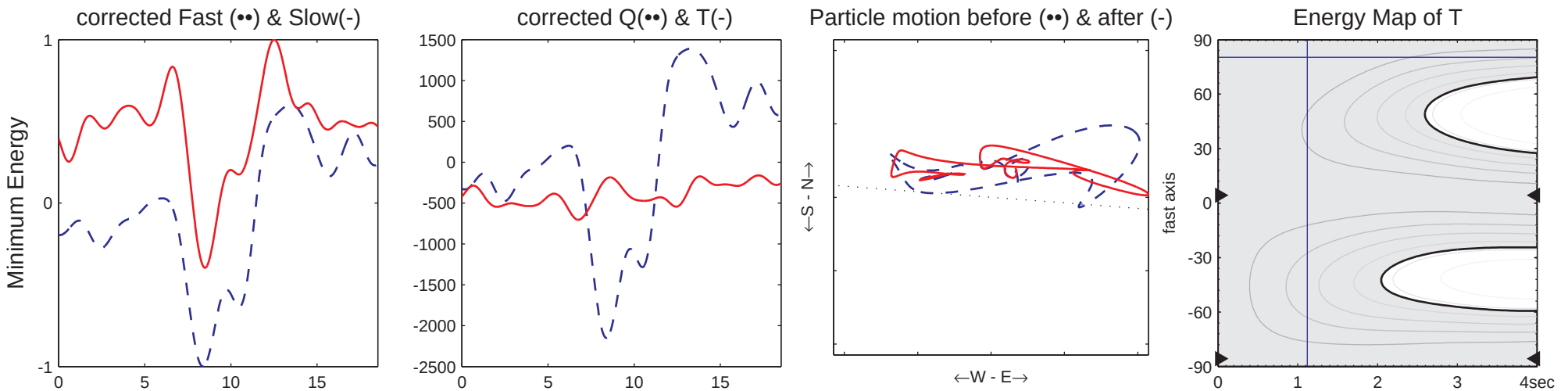


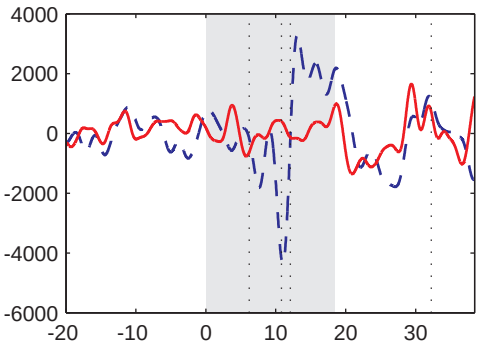
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **EREN** Backazimuth: **274.3”** Distance: **109.70”**
init.Pol.: **91.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

Rotation Correlation: -Inf< 42° < Inf 0.0<0.3s<Inf
Minimum Energy: -Inf< 80° < Inf 0.0<1.1s<Inf
Eigenvalue: -Inf< 74° < Inf 0.0<1.0s<Inf
Quality: **fair** IsNull: **Yes** Phase: **SKS**



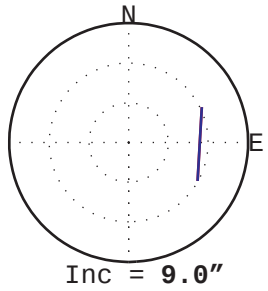


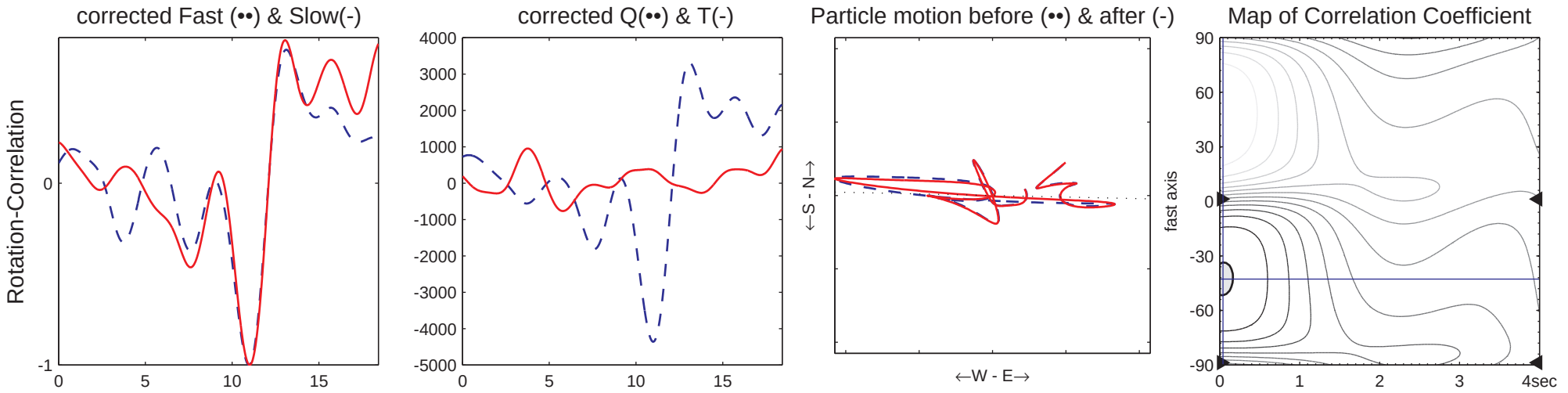


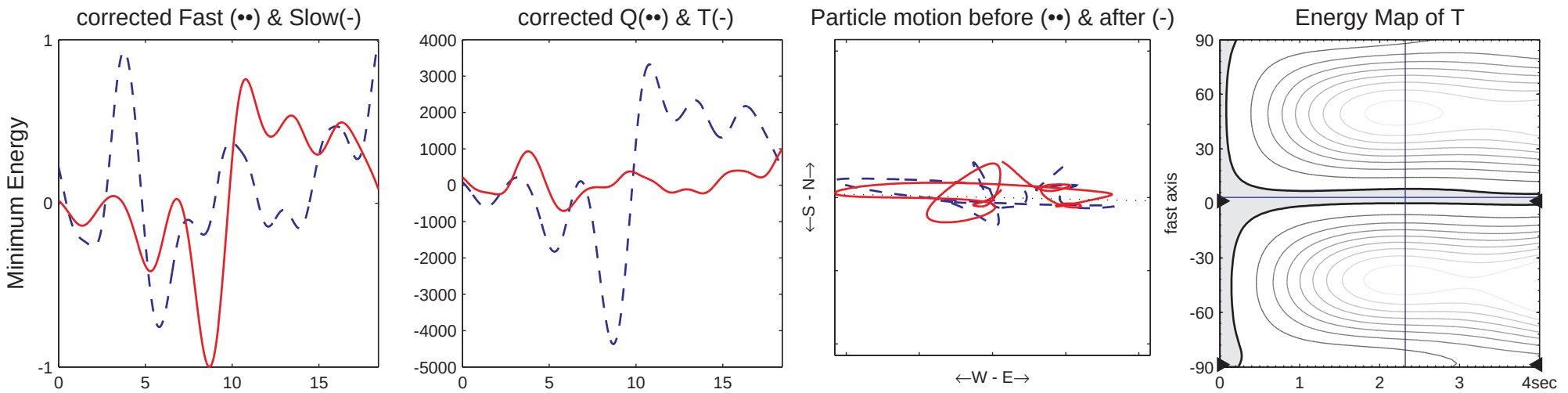


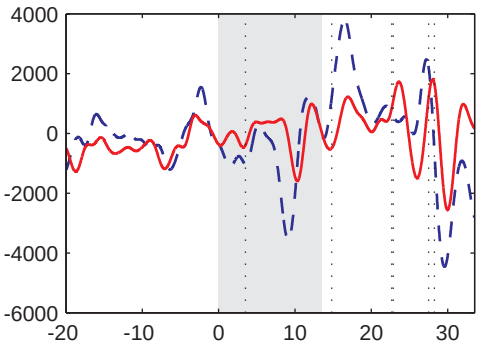
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **EREN** Backazimuth: **91.2”** Distance: **97.33”**
init.Pol.: **269.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

Rotation Correlation: -53< **-43°** < -35 0.0<0.0s<0.2
Minimum Energy: -Inf< **3°** < Inf 0.0<2.3s<Inf
Eigenvalue: -Inf< **3°** < Inf 0.0<2.3s<Inf
Quality: **good** IsNull: **Yes** Phase: **SKS**





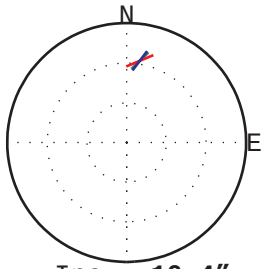




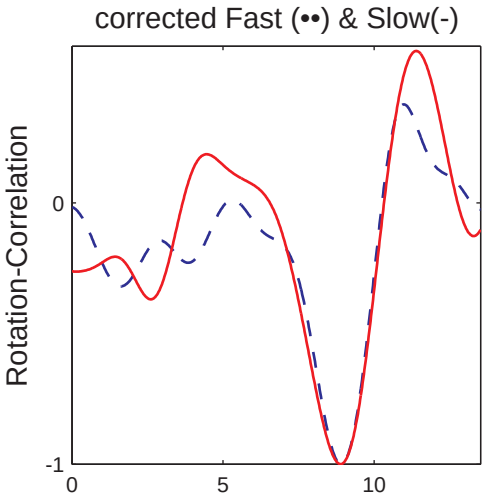
Event: **02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3**
Station: **EREN** Backazimuth: **9.2”** Distance: **88.85”**
init.Pol.: **175.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

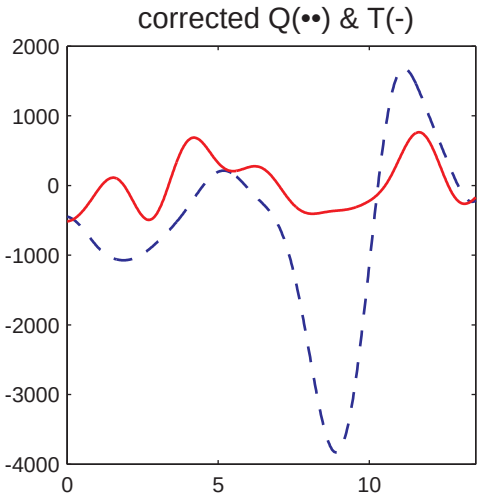
Rotation Correlation:	32<	46° <	62	0.5<0.7s<1.0
Minimum Energy:	48<	67° <	82	0.6<0.9s<1.4
Eigenvalue:	15<	37° <	66	0.6<0.8s<1.0

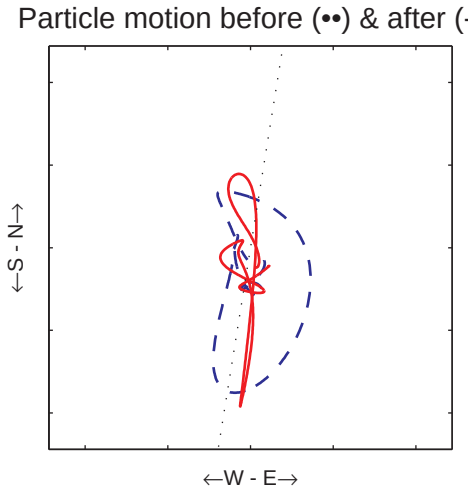
Quality: **fair** IsNull: **No** Phase: **SKS**

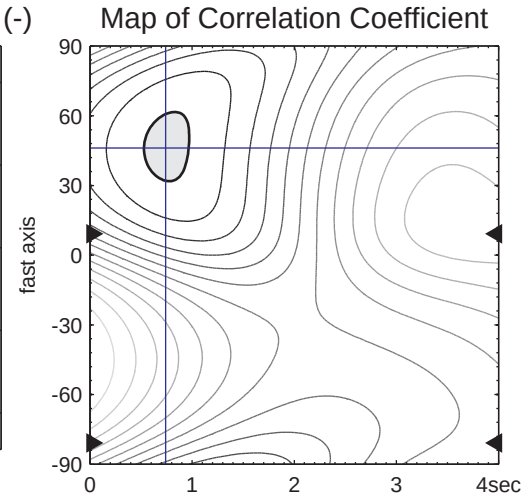


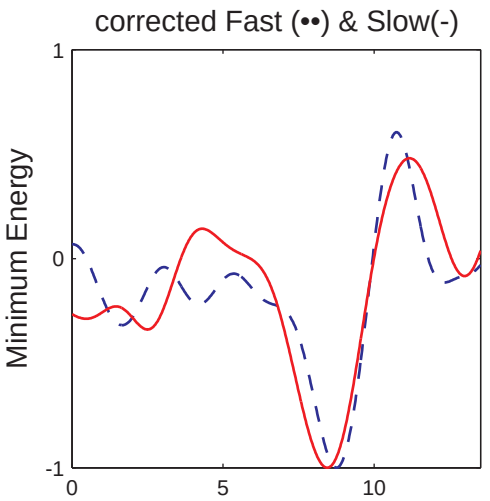
Inc = **10.4”**

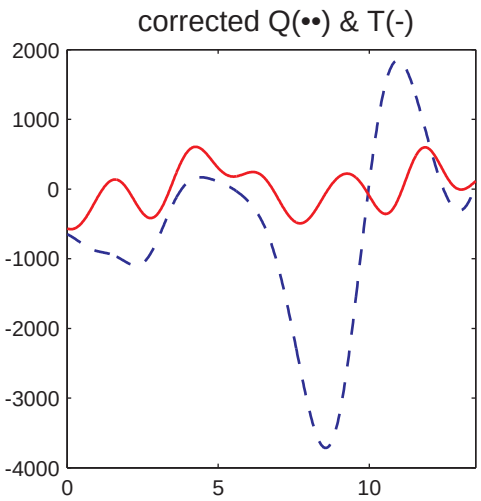


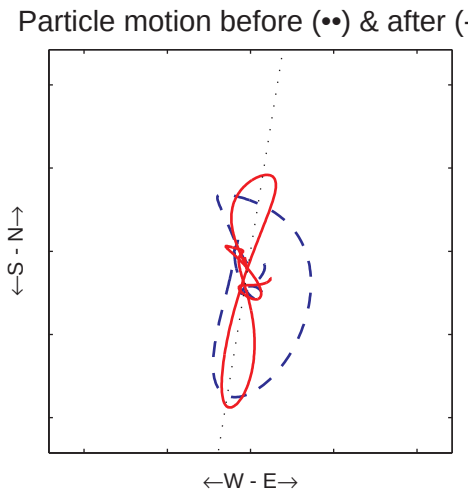


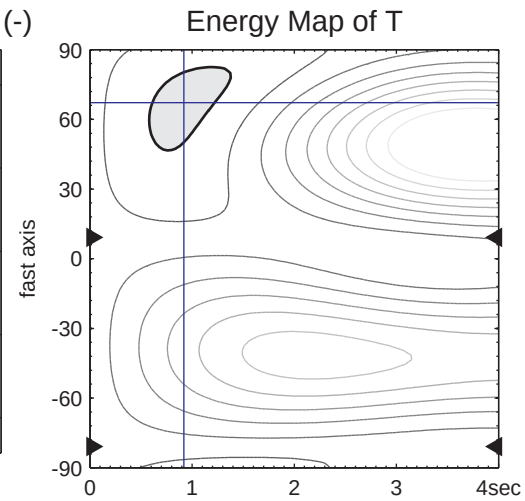


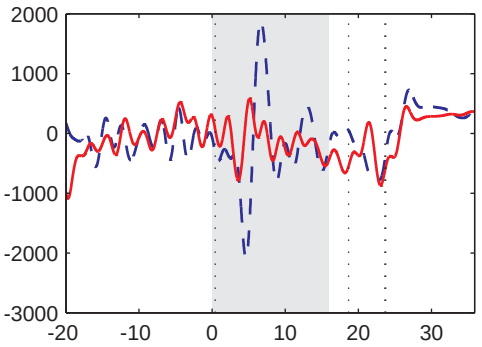








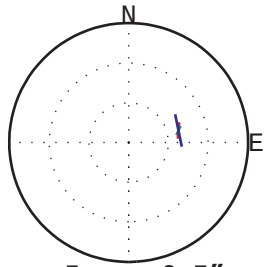


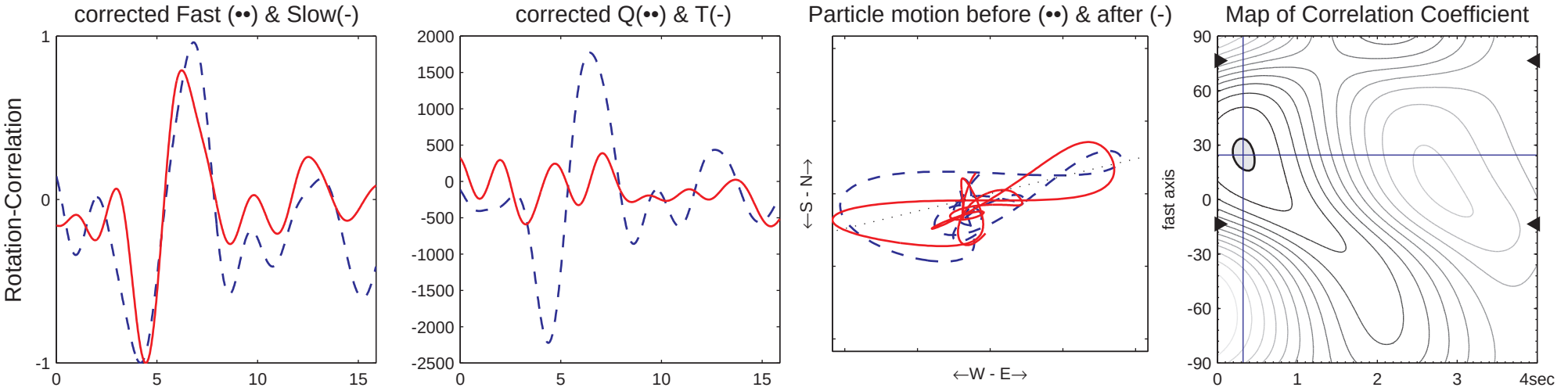


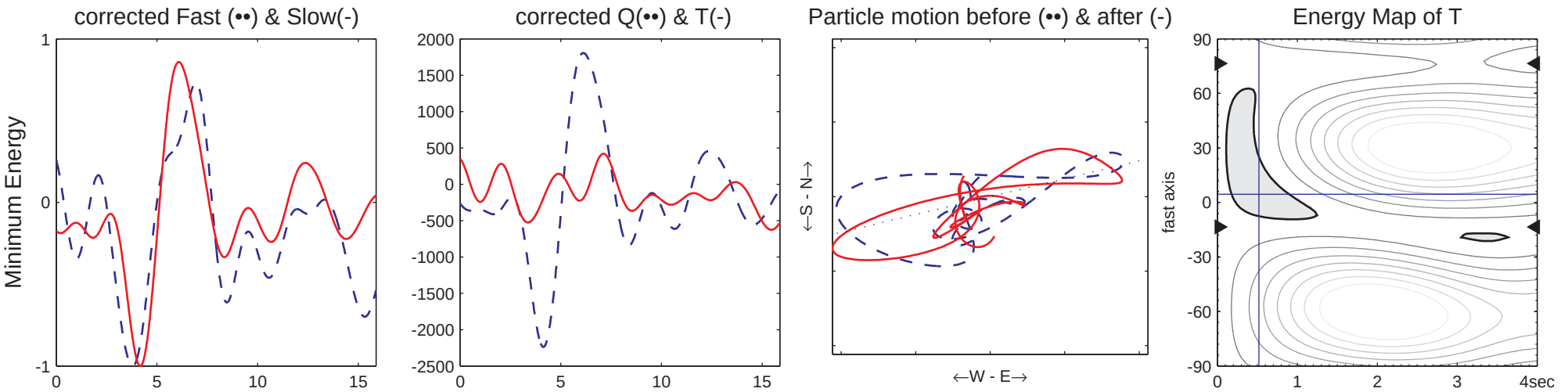
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **EREN** Backazimuth: **76.5”** Distance: **115.96”**
init.Pol.: **244.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.7**

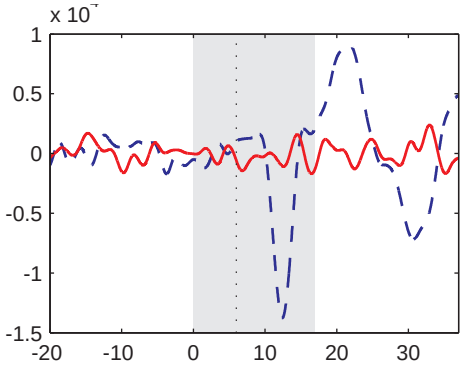
Rotation Correlation:	16<	24° <	34	0.2<0.3s<0.5
Minimum Energy:	-9<	4° <	62	0.1<0.5s<1.2
Eigenvalue:	-23<	-12° <	7	0.4<1.0s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





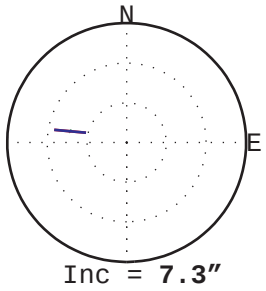


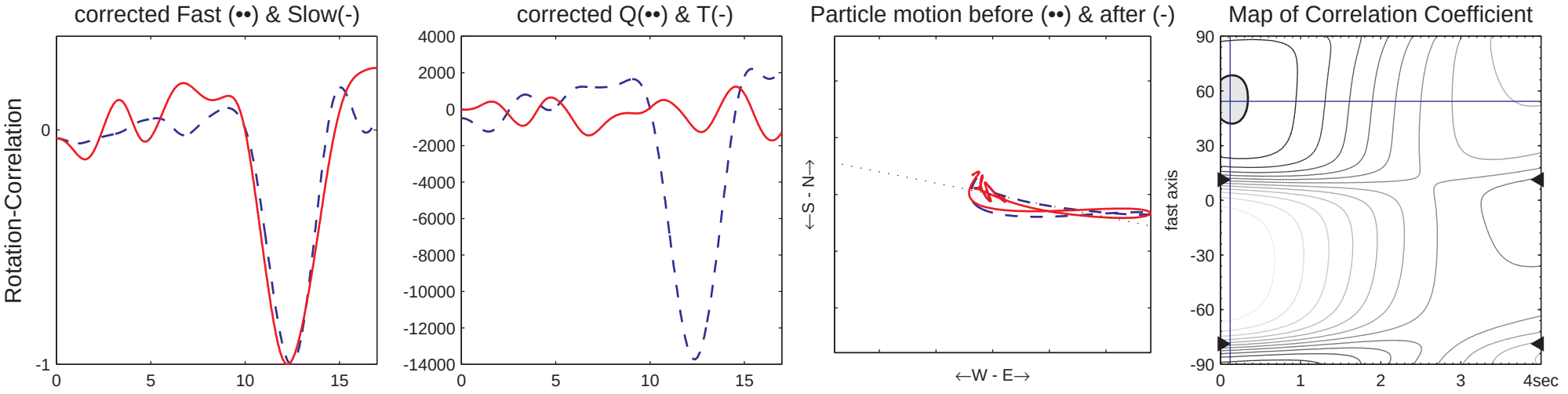


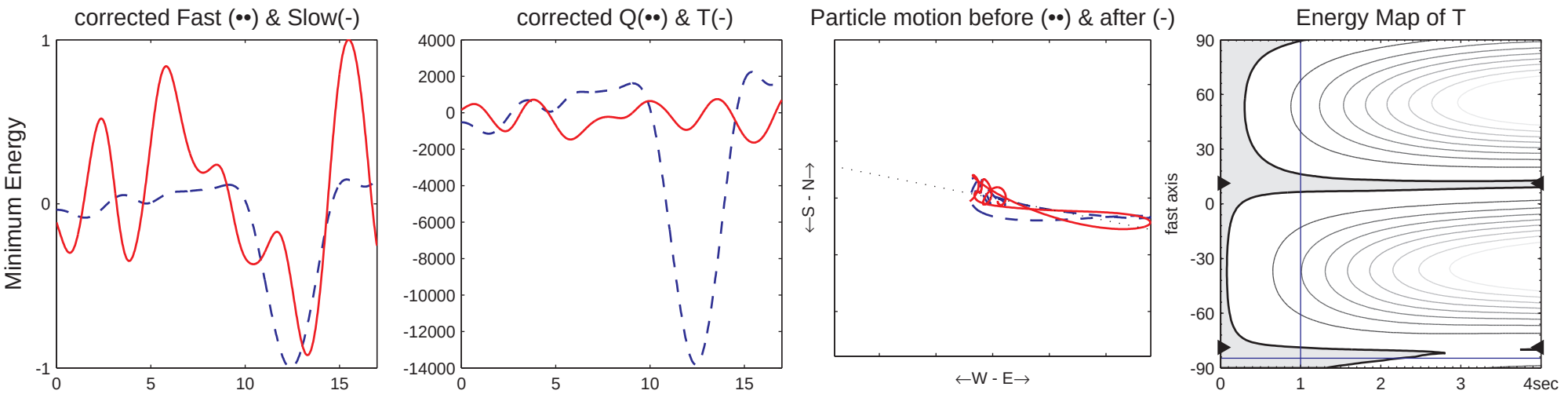
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **EREN** Backazimuth: **281.3”** Distance: **109.16”**
init.Pol.: **102.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.2**

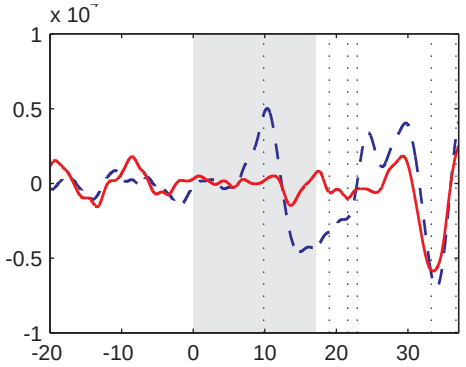
Rotation Correlation:	42<	54° <	69	0.0<0.1s<0.4
Minimum Energy:	-Inf<	-85° <	Inf	0.0<1.0s<Inf
Eigenvalue:	-Inf<	-85° <	Inf	0.0<1.0s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





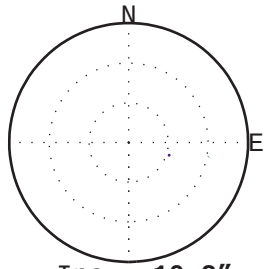


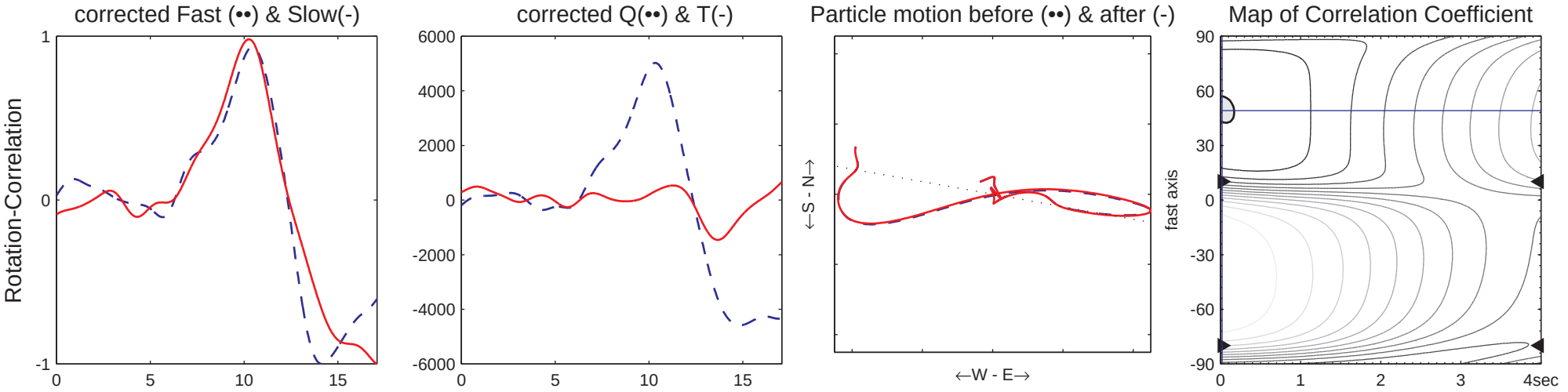


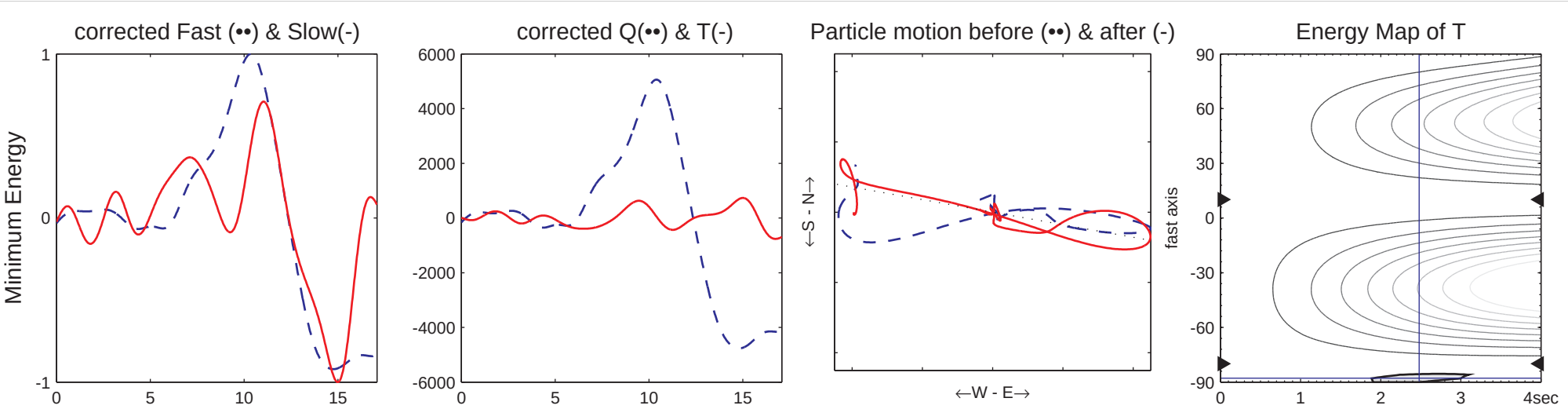
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **EREN** Backazimuth: **100.1”** Distance: **90.14”**
init.Pol.: **280.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

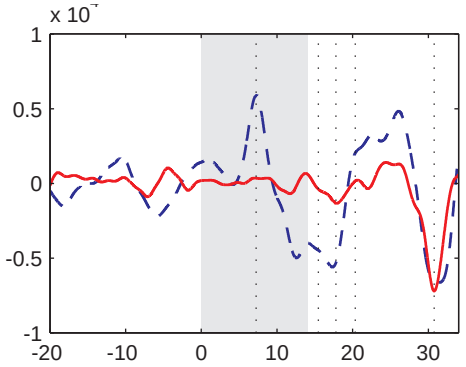
Rotation Correlation:	43<	49° <	57	0.0<0.0s<0.2
Minimum Energy:	-90<	-88° <	-88	1.9<2.5s<3.1
Eigenvalue:	-90<	-88° <	-86	1.9<2.5s<3.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





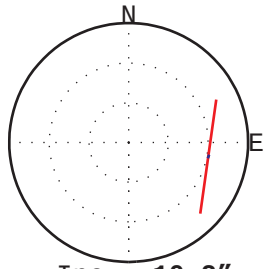




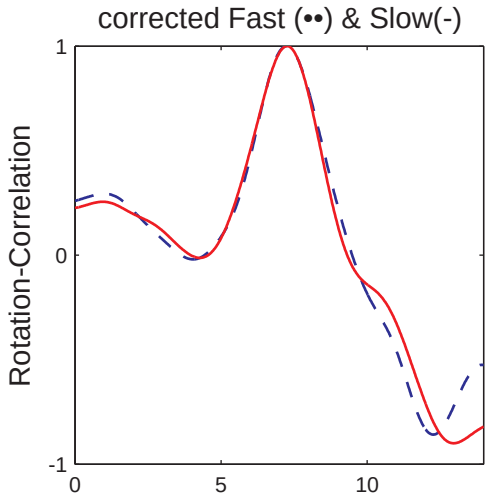
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **EREN** Backazimuth: **100.0”** Distance: **90.17”**
init.Pol.: **277.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.1**

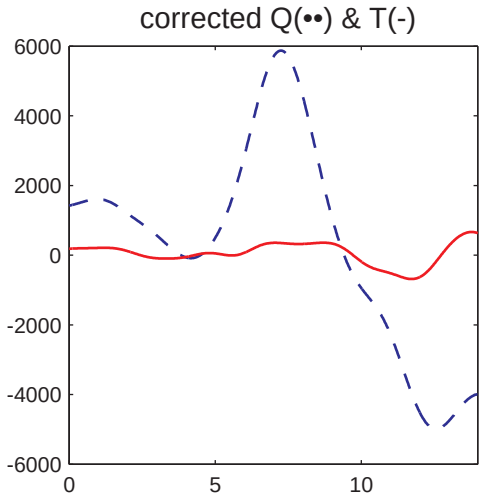
Rotation Correlation:	38<	52° <	69	0.0<0.0s<0.1
Minimum Energy:	-Inf<	8° <	Inf	0.0<3.6s<Inf
Eigenvalue:	-Inf<	22° <	Inf	0.0<0.1s<Inf

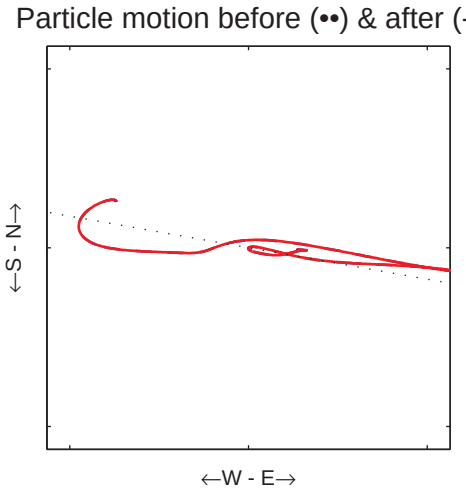
Quality: **good** IsNull: **Yes** Phase: **SKS**

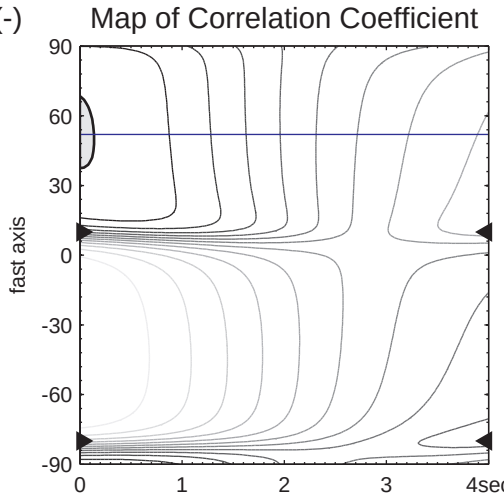


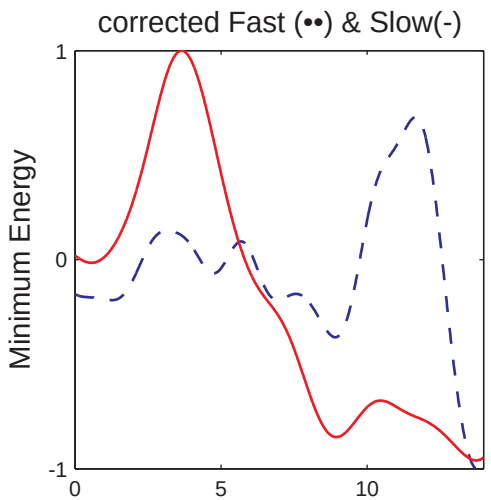
Inc = **10.2”**

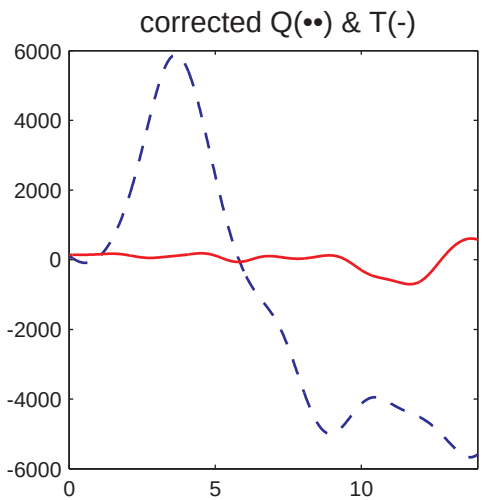


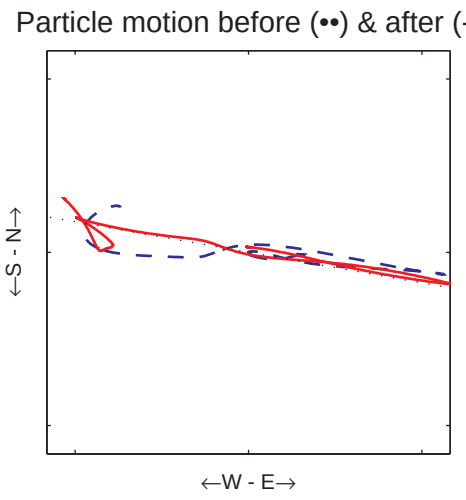


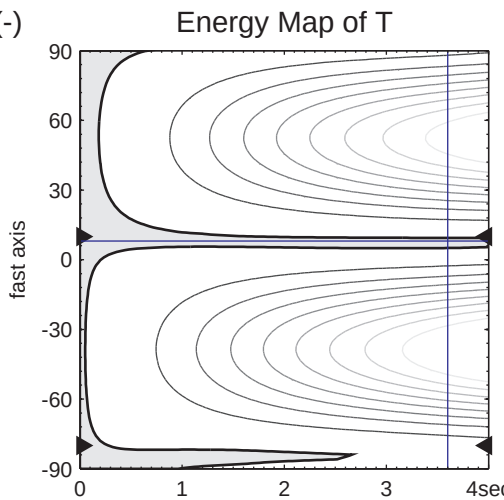


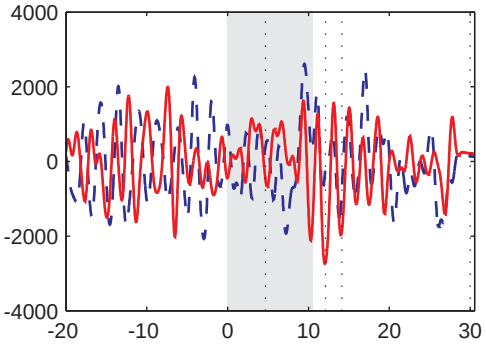








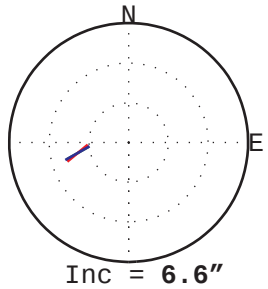


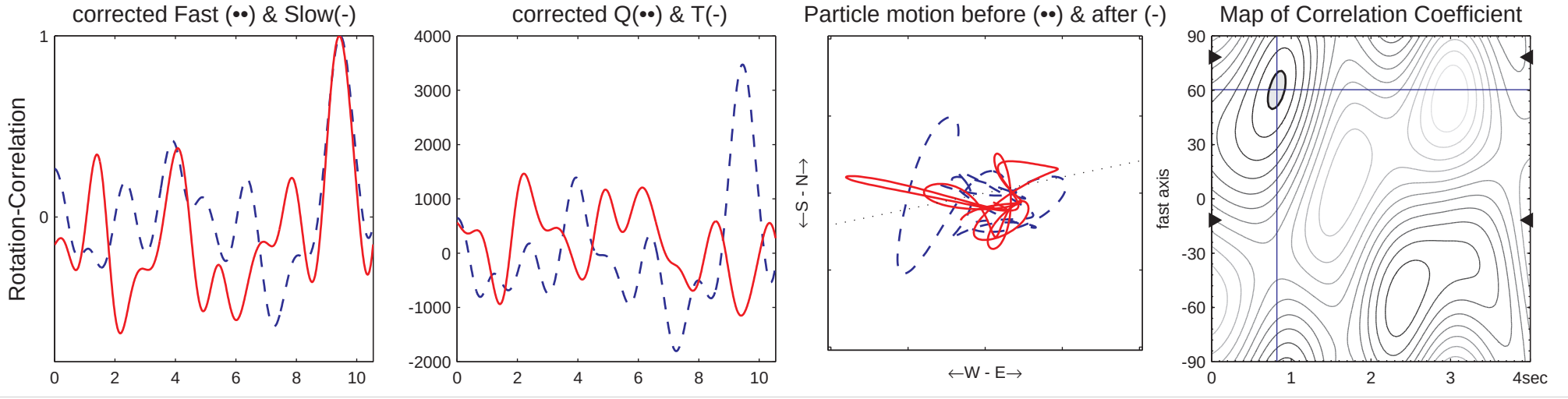


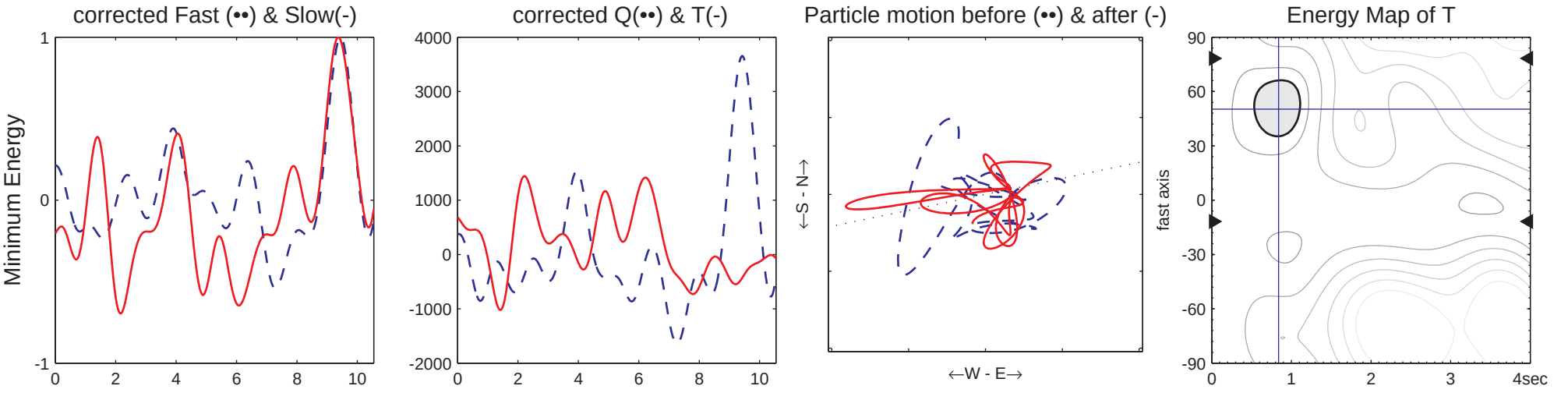
Event: **13-Dec-2007 (347) 07:23 -23.20N -70.55E 16km Mw=6.2**
Station: **EREN** Backazimuth: **258.3”** Distance: **114.77”**
init.Pol.: **94.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

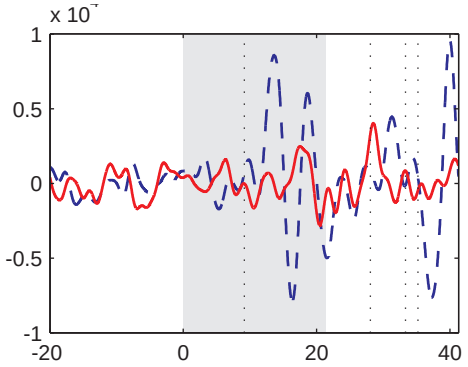
Rotation Correlation:	50<	60° <	71	0.7<0.8s<0.9
Minimum Energy:	35<	50° <	66	0.5<0.8s<1.1
Eigenvalue:	43<	60° <	78	0.6<0.9s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





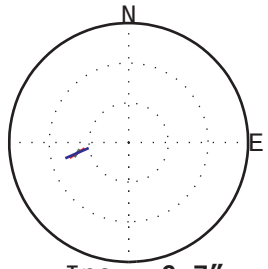


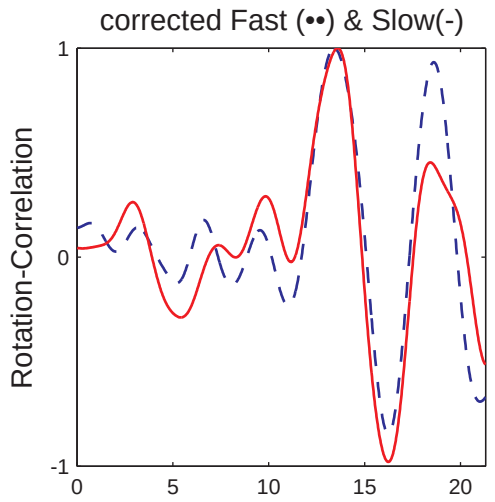


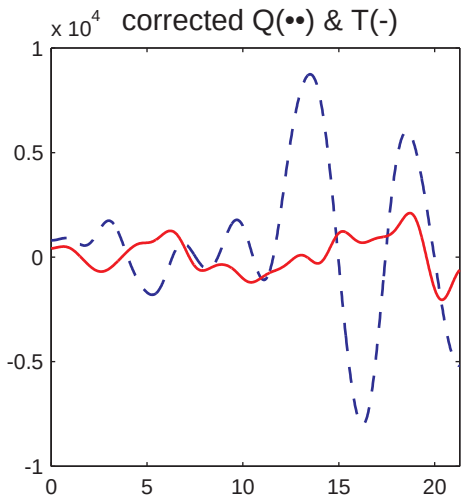
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **EREN** Backazimuth: **258.3”** Distance: **114.36”**
init.Pol.: **82.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

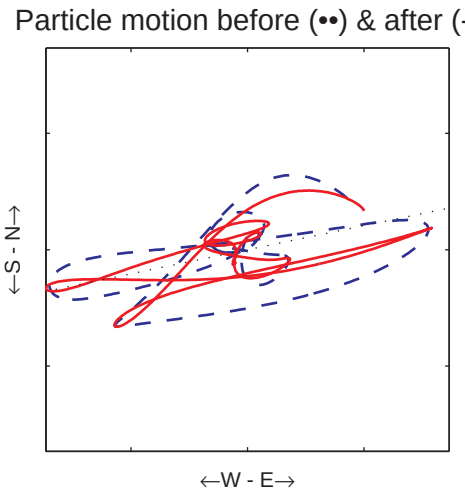
Rotation Correlation:	25<	33° <	43	0.2<0.3s<0.4
Minimum Energy:	7<	58° <	72	0.2<0.6s<1.2
Eigenvalue:	5<	66° <	80	0.2<0.8s<1.4

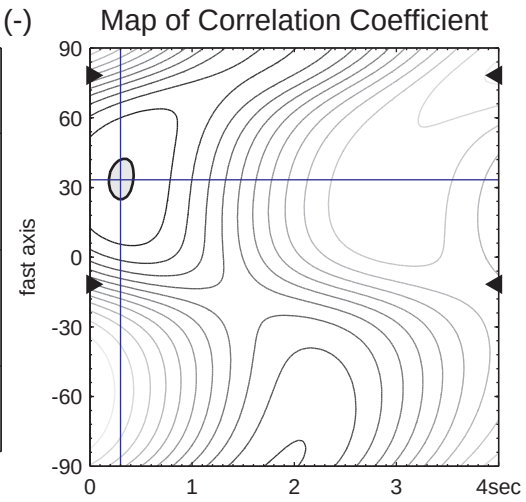
Quality: **fair** IsNull: **No** Phase: **SKS**

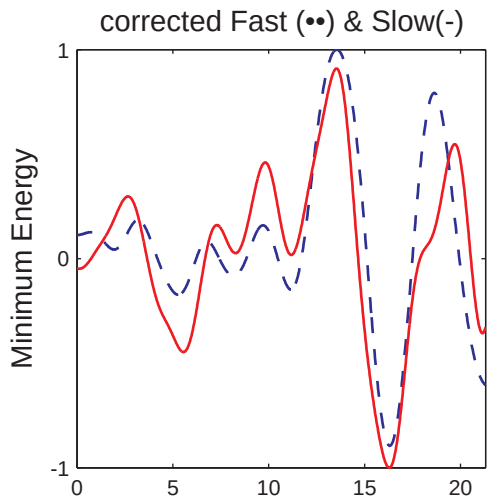


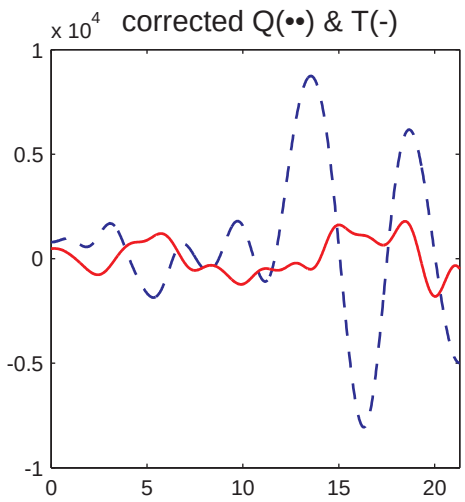


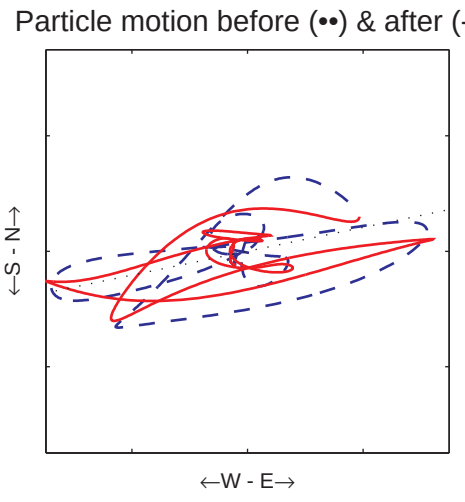


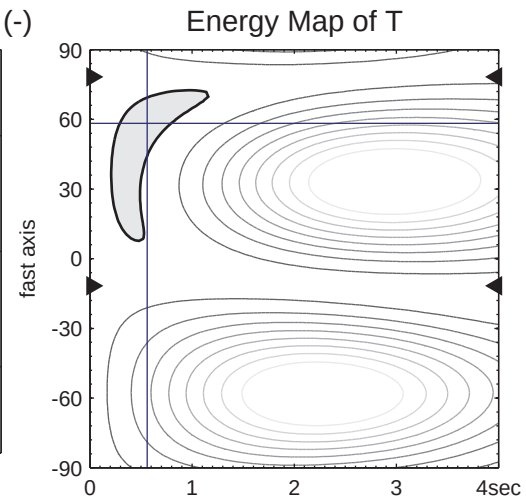


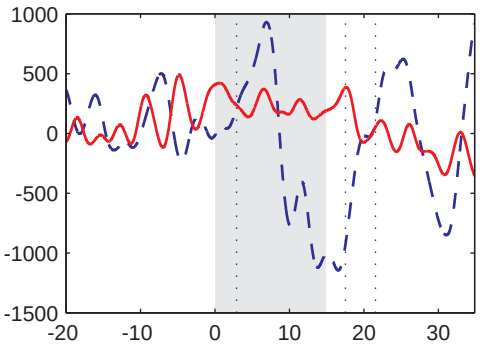






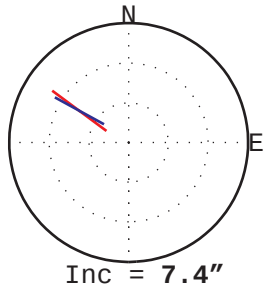


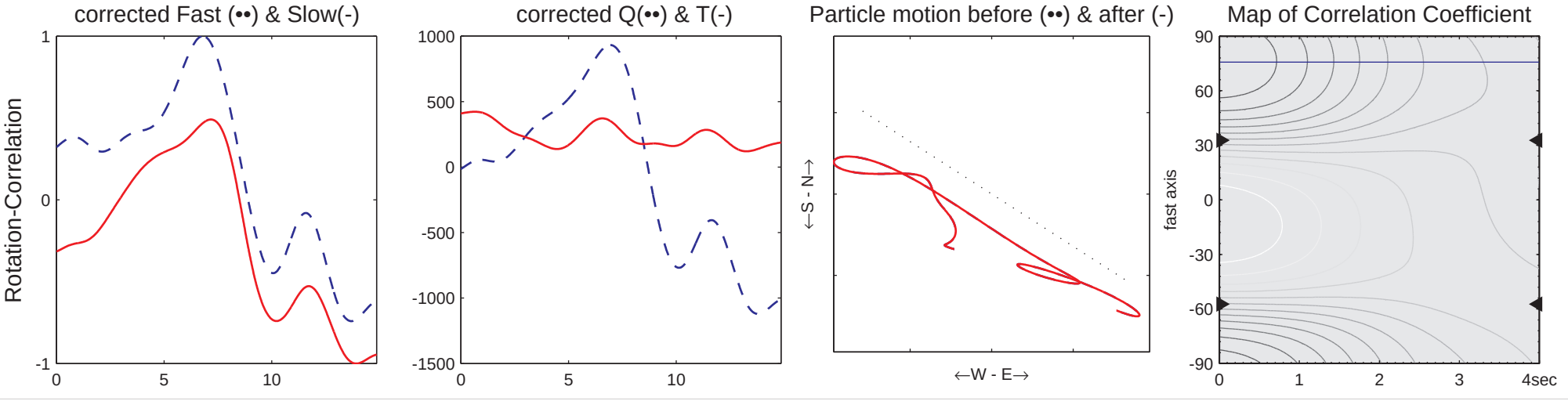


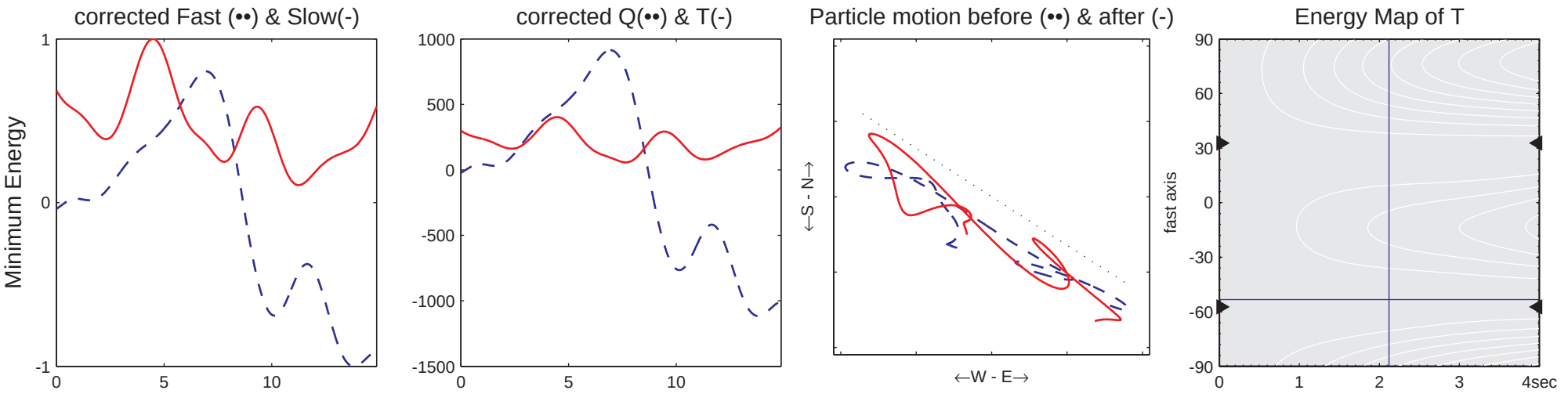


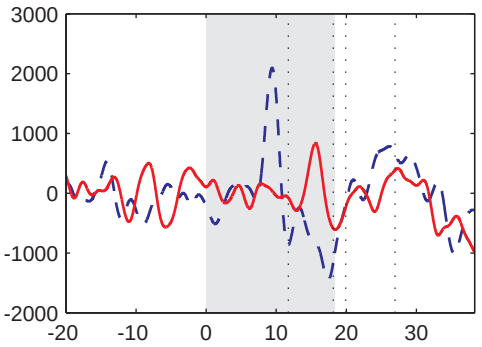
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **EREN** Backazimuth: **302.7”** Distance: **108.36”**
init.Pol.: **121.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.3**

Rotation Correlation: -Inf< 76° < Inf 0.0<0.0s<Inf
Minimum Energy: -Inf< -53° < Inf 0.0<2.1s<Inf
Eigenvalue: -Inf< -61° < Inf 0.0<1.8s<Inf
Quality: **good** IsNull: **Yes** Phase: **SKS**





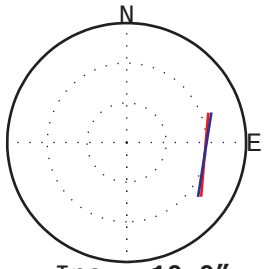




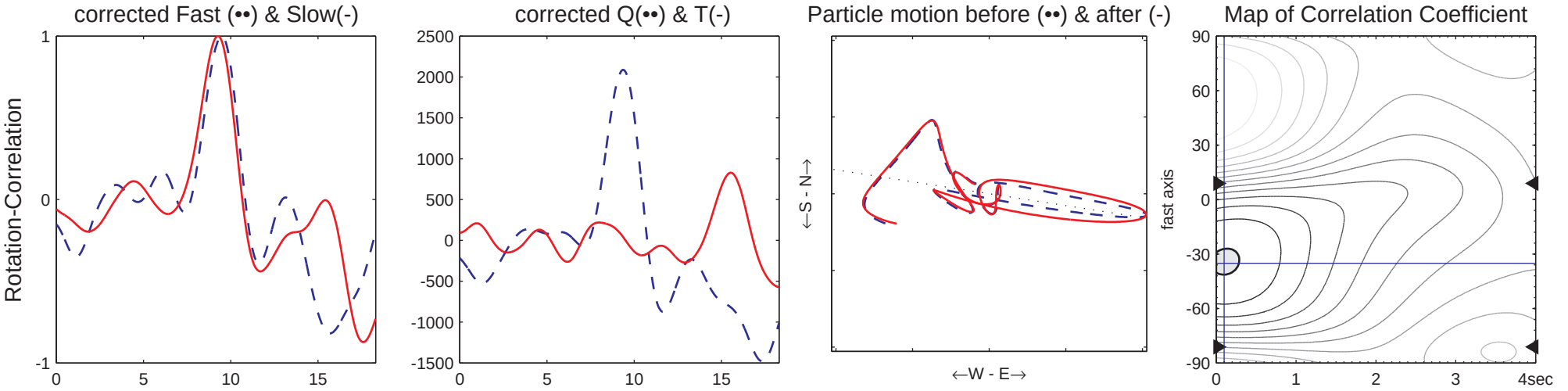
Event: **03-Jun-2008 (155) 22:04 -8.10N 120.23E 14km Mw=6.0**
Station: **EREN** Backazimuth: **98.9”** Distance: **91.52”**
init.Pol.: **286.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.9**

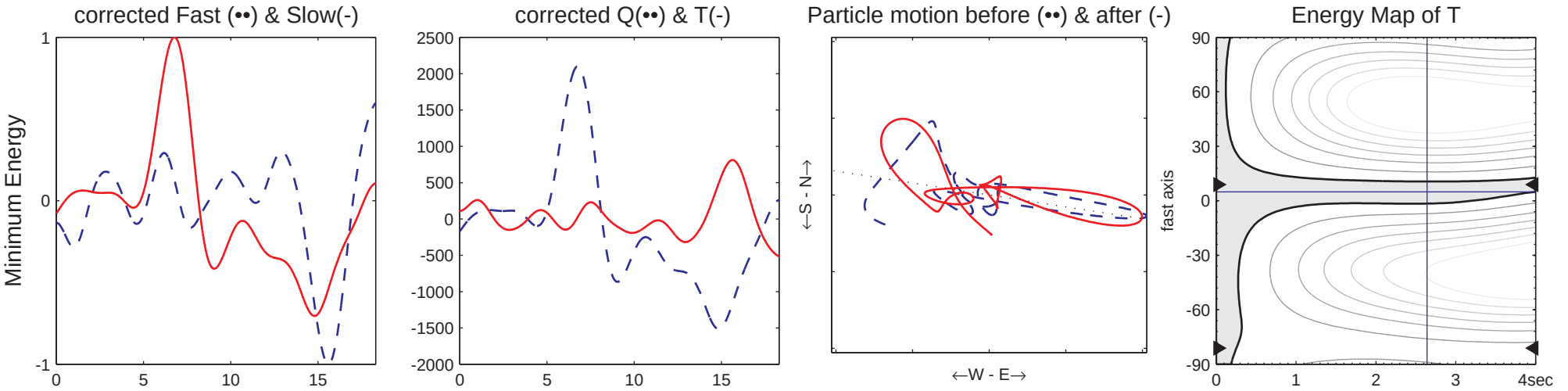
Rotation Correlation:	-43<	-35° < -28	0.0<0.1s<0.3
Minimum Energy:	-Inf<	5° < Inf	0.0<2.6s<Inf
Eigenvalue:	1<	9° < 15	0.9<2.7s<3.8

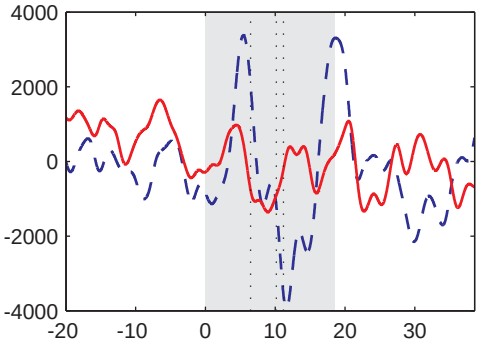
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.0”**



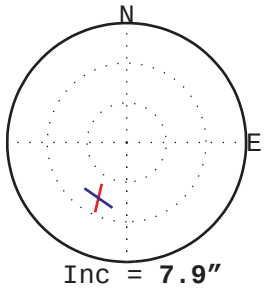


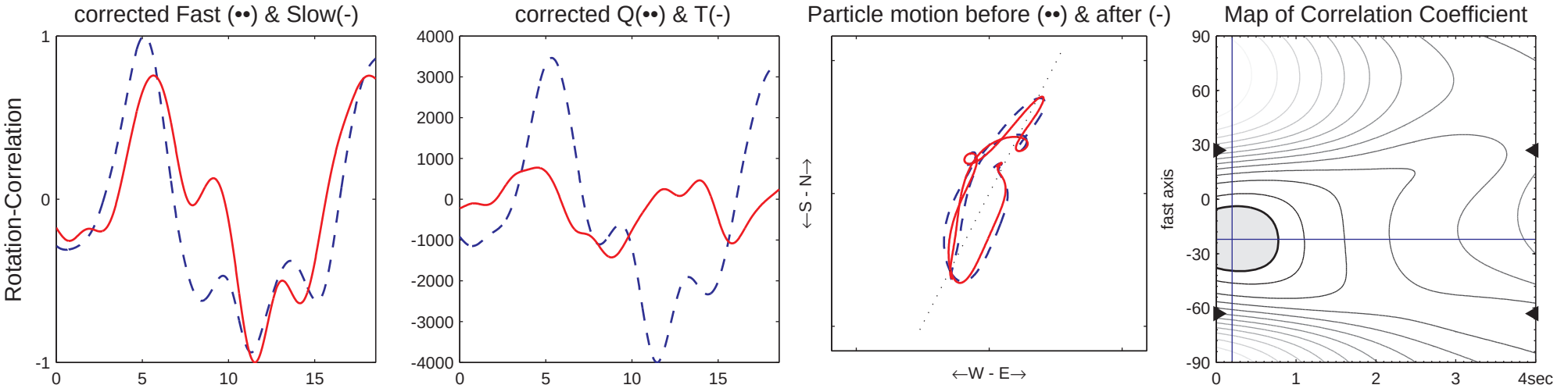


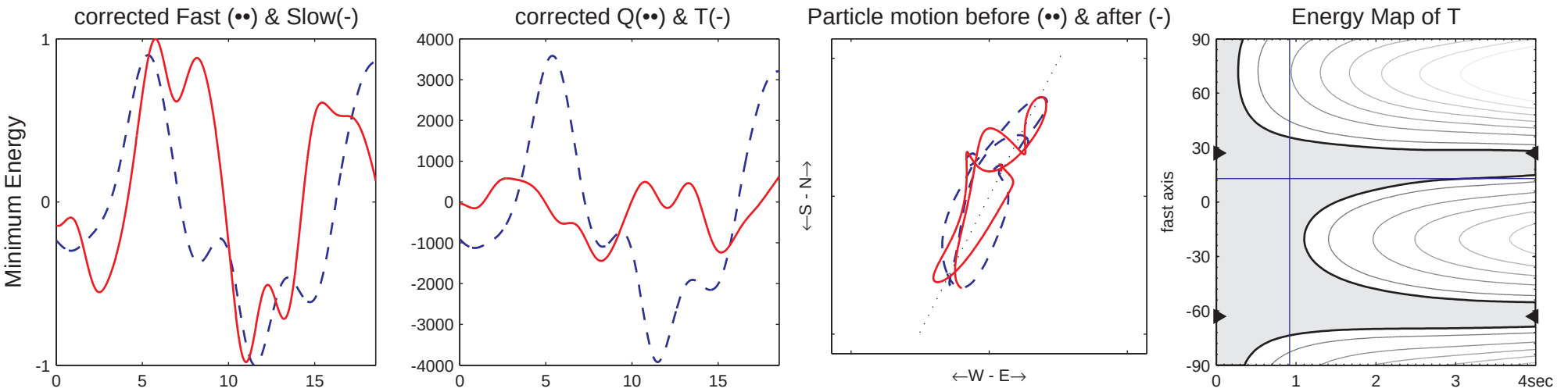
Event: **30-Jun-2008 (182) 06:17 -58.23N -22.10E 8km Mw=7.0**
Station: **EREN** Backazimuth: **206.9”** Distance: **104.84”**
init.Pol.: **22.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

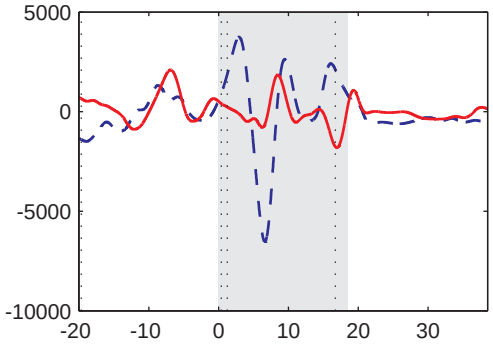
Rotation Correlation:	-41<	-22° <	-5	0.0<0.2s<0.8
Minimum Energy:	-Inf<	13° <	Inf	0.0<0.9s<Inf
Eigenvalue:	-Inf<	-55° <	Inf	0.0<1.1s<Inf

Quality: **fair** IsNull: **Yes** Phase: **SKS**





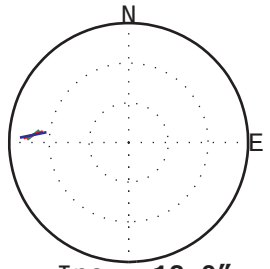




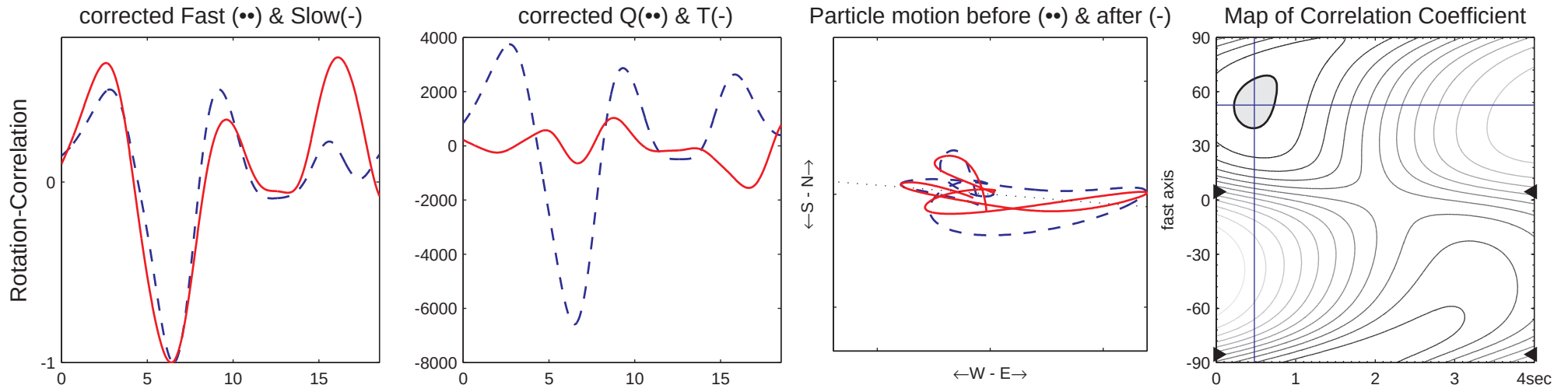
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **EREN** Backazimuth: **274.6”** Distance: **109.50”**
init.Pol.: **98.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

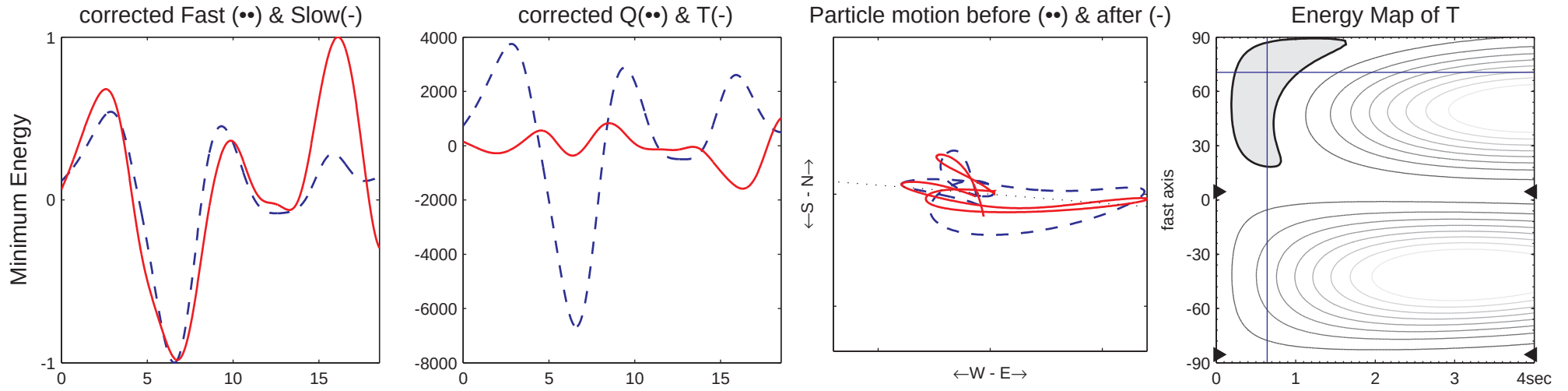
Rotation Correlation:	40<	53° <	69	0.2<0.5s<0.8
Minimum Energy:	19<	71° <	-92	0.2<0.6s<1.6
Eigenvalue:	19<	79° <	-82	0.2<0.8s<2.4

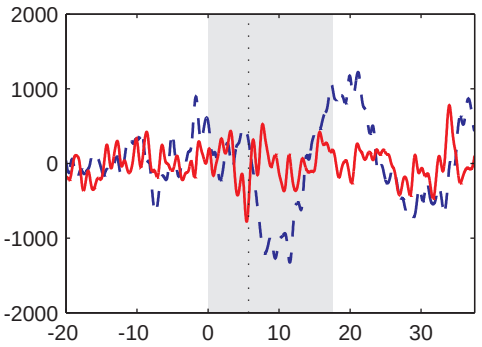
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



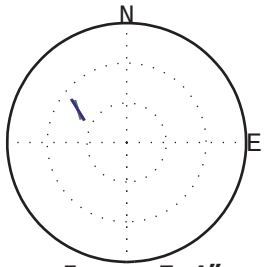


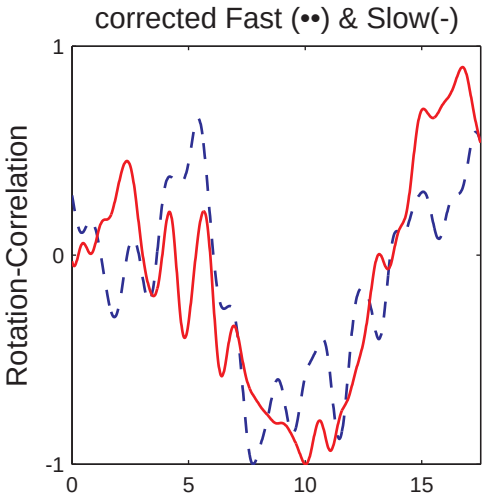


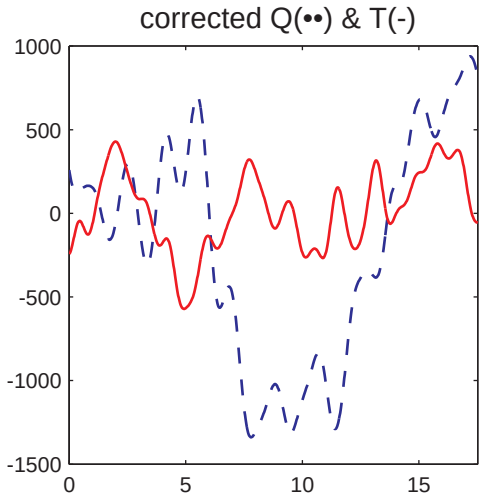
Event: **03-May-2009 (123) 16:21 14.55N -91.14E 108km Mw=6.3**
Station: **EREN** Backazimuth: **303.8”** Distance: **108.03”**
init.Pol.: **120.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

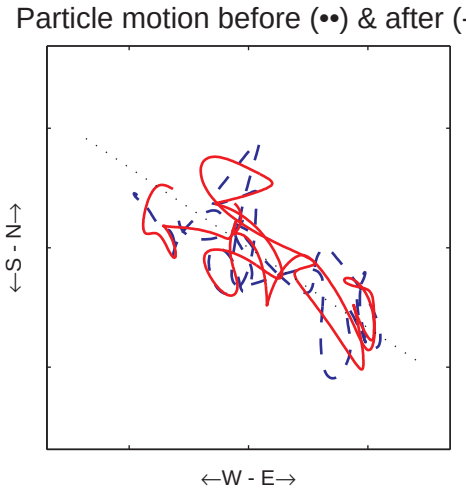
Rotation Correlation:	-24<	-17° <	-11	0.3<0.6s<0.8
Minimum Energy:	-48<	-30° <	-17	0.4<0.8s<1.2
Eigenvalue:	-50<	-32° <	-19	0.4<0.8s<1.2

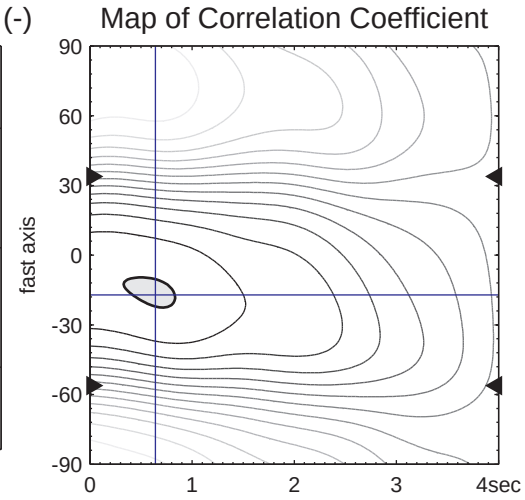
Quality: **fair** IsNull: **No** Phase: **SKS**

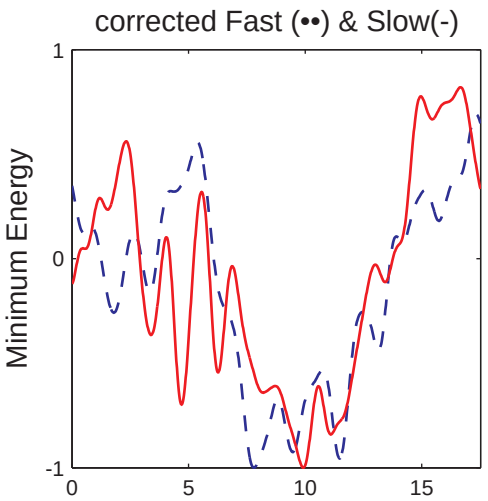


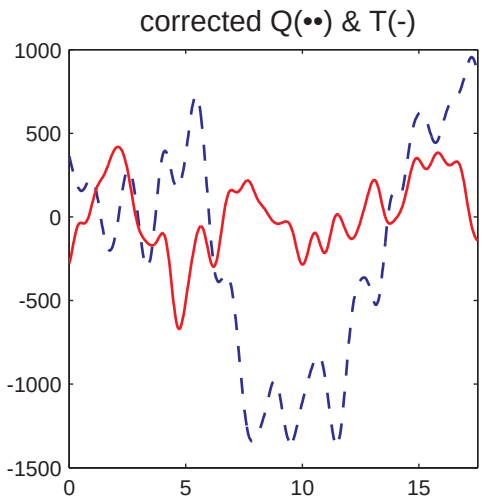


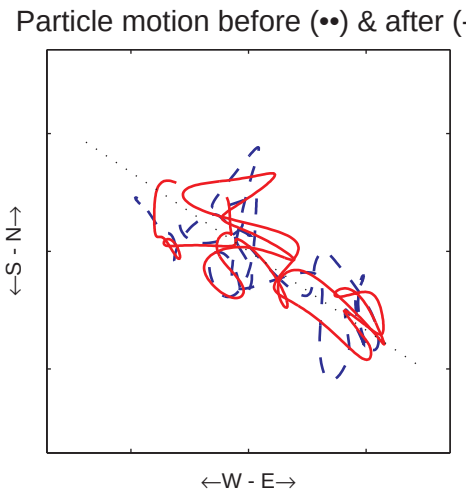


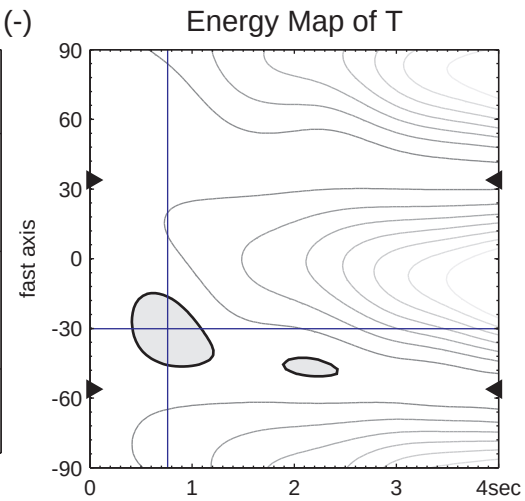


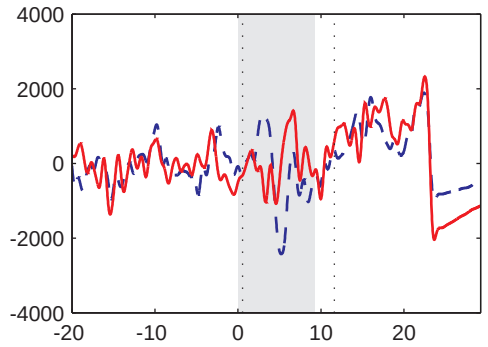








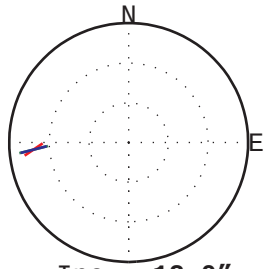




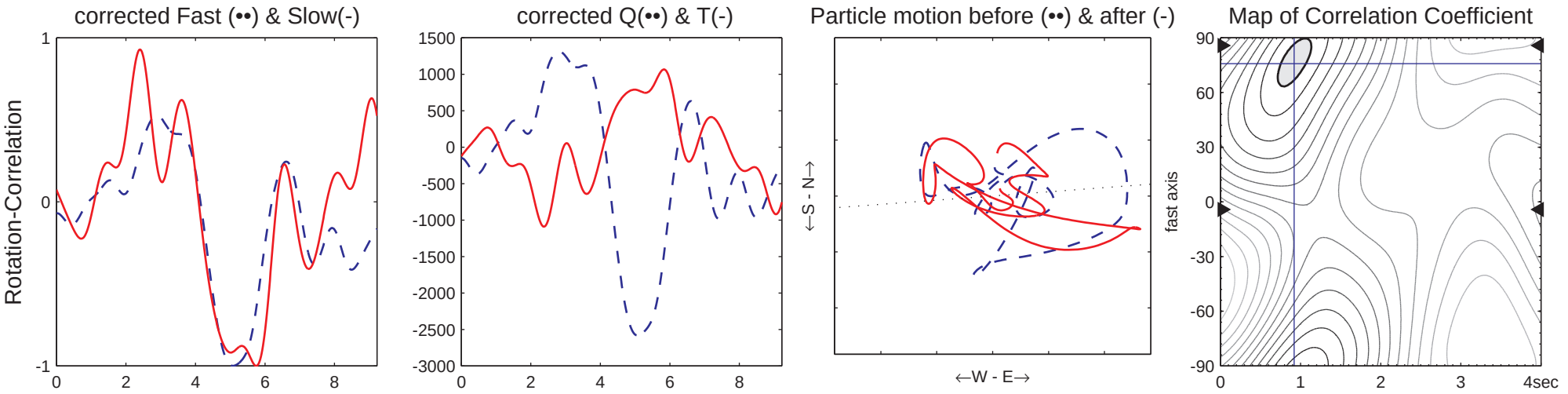
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **EREN** Backazimuth: **265.7”** Distance: **110.44”**
init.Pol.: **107.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

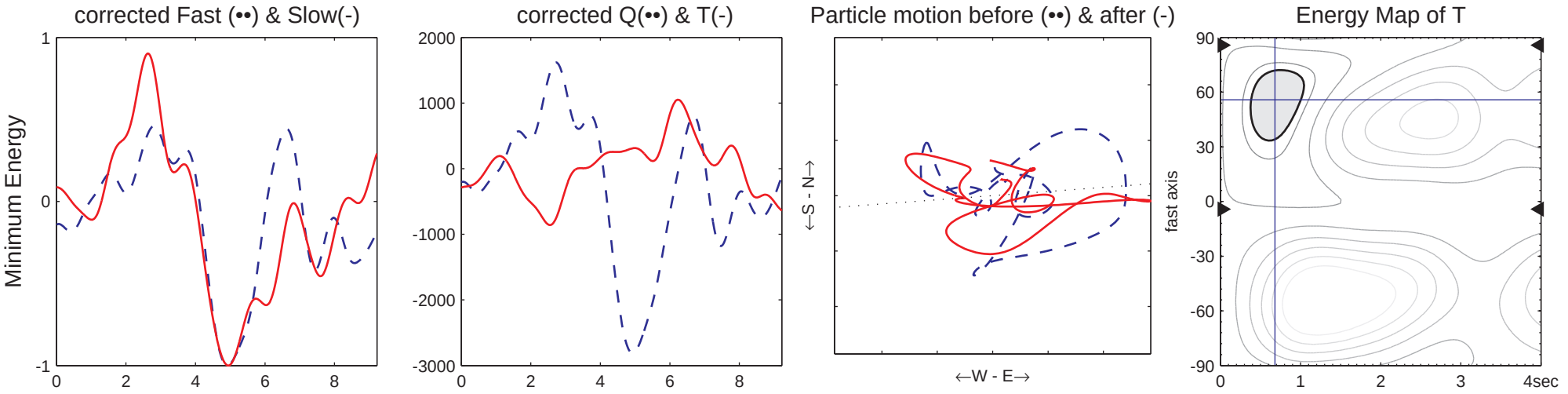
Rotation Correlation:	63<	76° < -91		0.7<0.9s<1.1
Minimum Energy:	33<	56° < 72		0.4<0.7s<1.0
Eigenvalue:	56<	76° < -88		0.6<0.8s<1.2

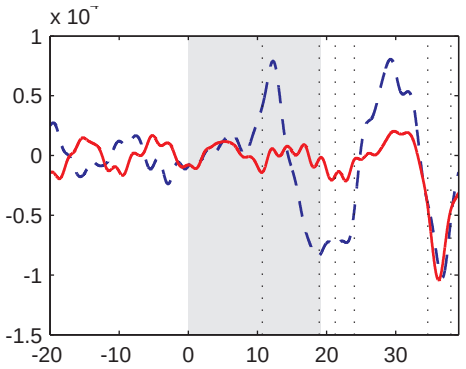
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



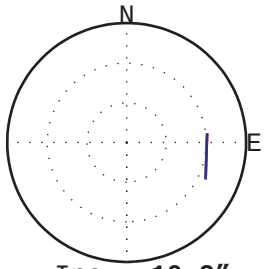




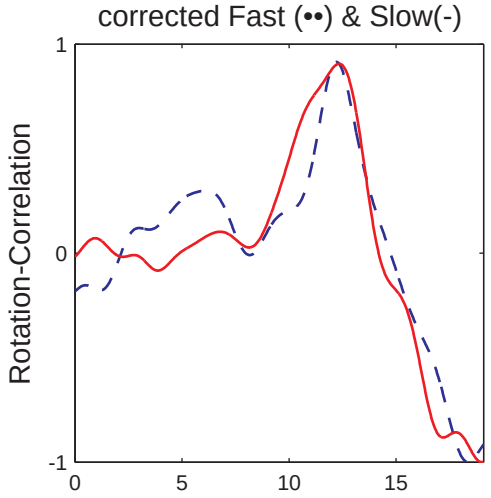
Event: **08-Nov-2009 (312) 19:41 -8.21N 118.63E 18km Mw=6.6**
Station: **EREN** Backazimuth: **99.9”** Distance: **90.29”**
init.Pol.: **279.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

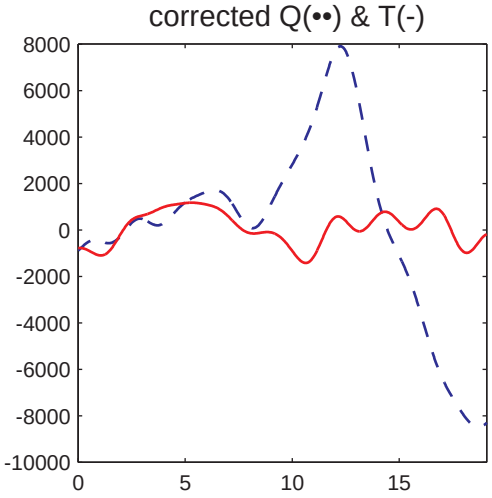
Rotation Correlation:	36<	54° <	74	0.0<0.0s<0.2
Minimum Energy:	-Inf<	2° <	Inf	0.0<1.4s<Inf
Eigenvalue:	-Inf<	2° <	Inf	0.0<1.4s<Inf

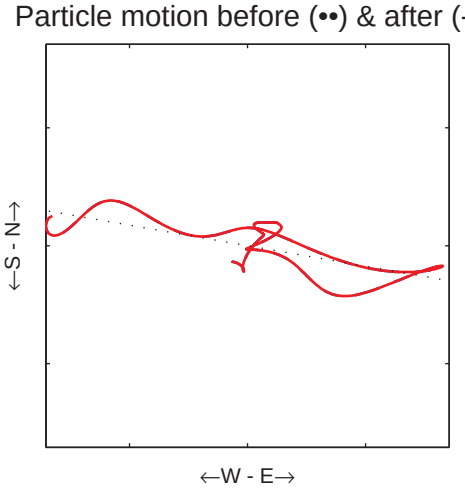
Quality: **good** IsNull: **Yes** Phase: **SKS**

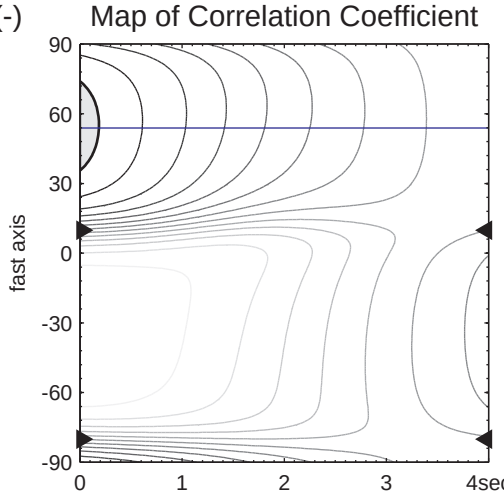


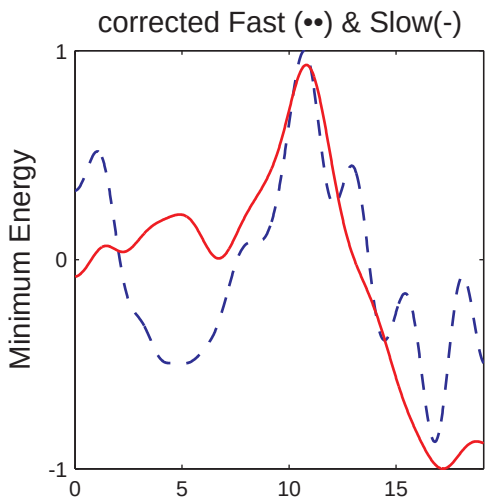
Inc = **10.2”**

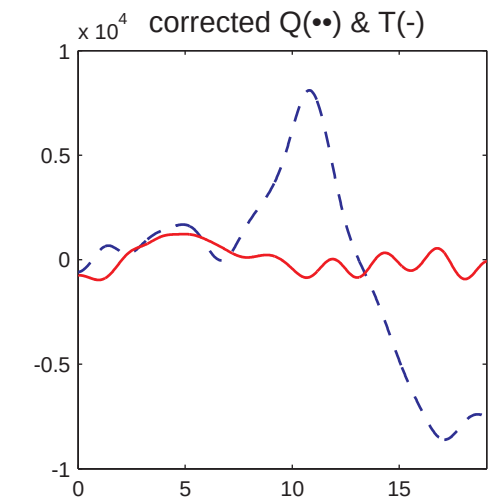


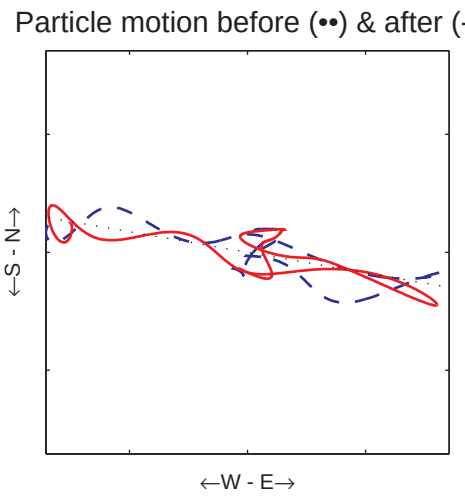


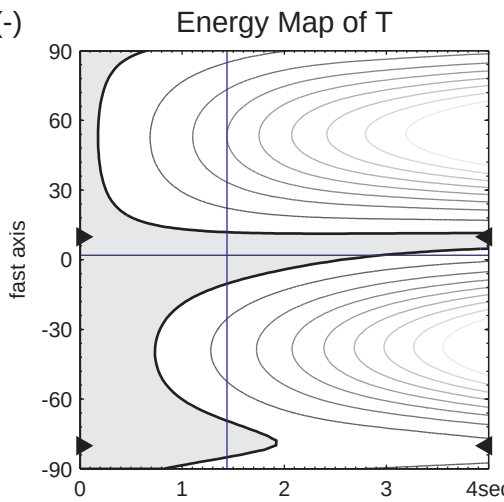


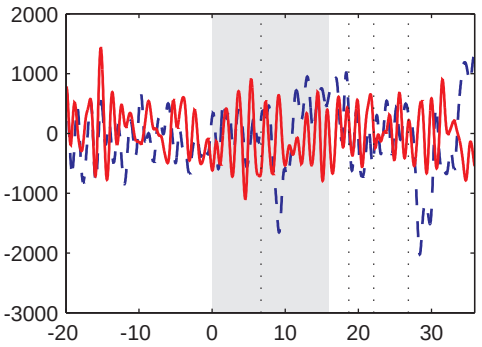








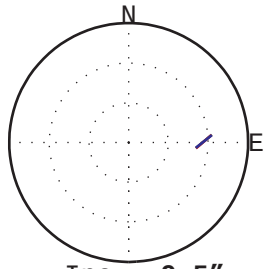




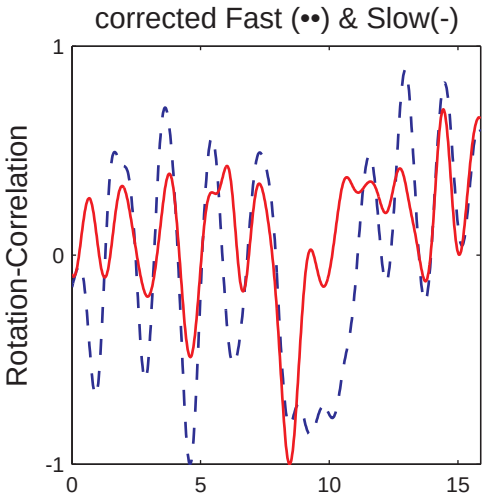
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **EREN** Backazimuth: **89.3”** Distance: **94.32”**
init.Pol.: **271.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.9**

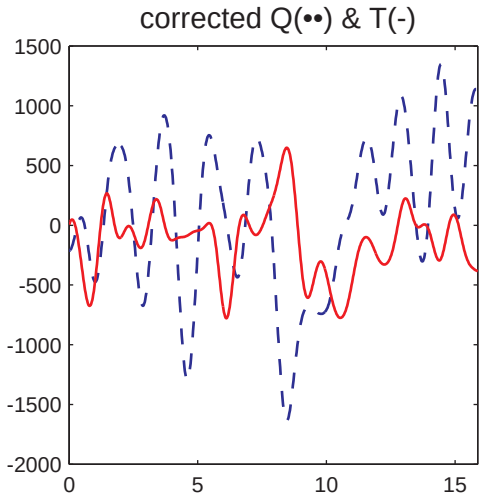
Rotation Correlation:	42<	50° <	61	0.5<0.7s<0.8
Minimum Energy:	33<	49° <	66	0.4<0.6s<0.8
Eigenvalue:	33<	51° <	68	0.4<0.6s<0.8

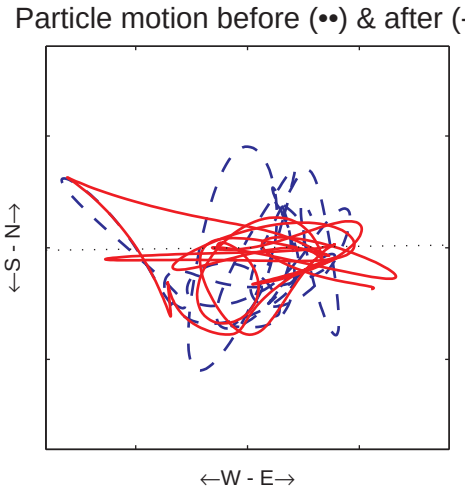
Quality: **good** IsNull: **No** Phase: **SKS**

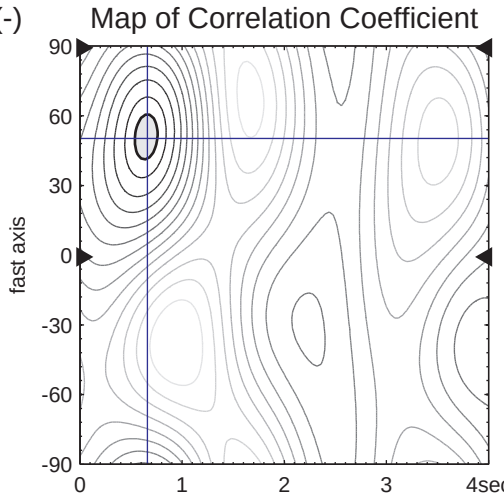


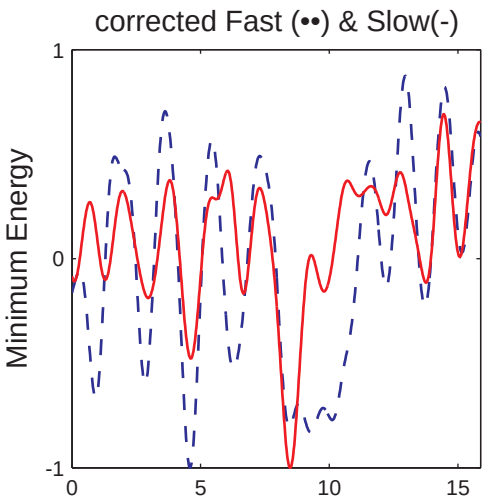
Inc = **9.5”**

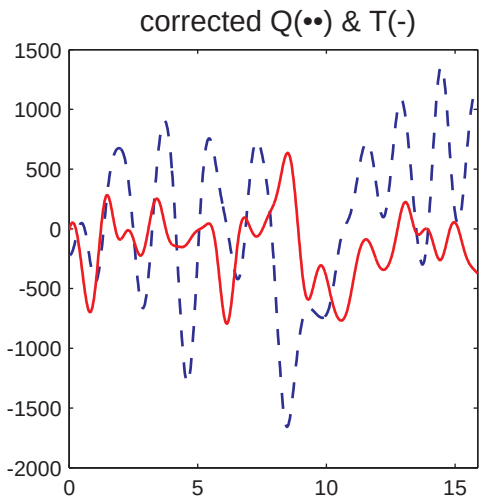


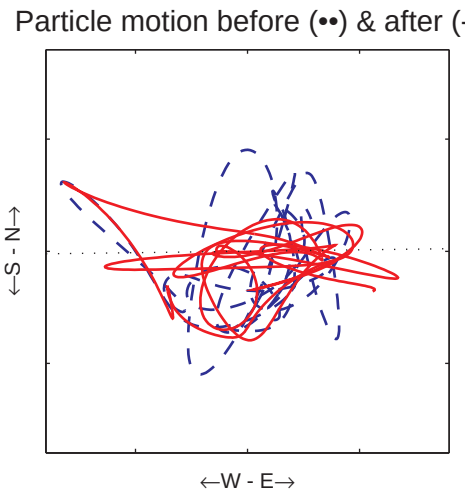


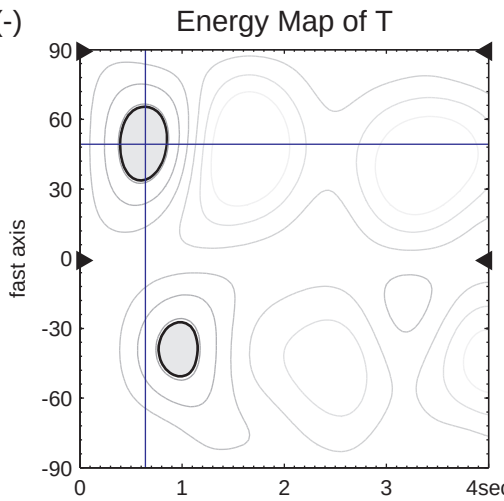


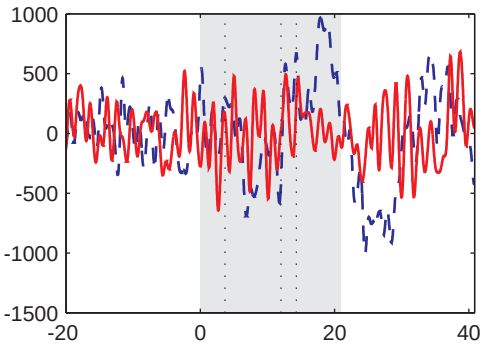








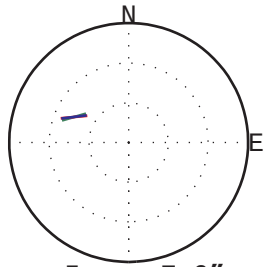




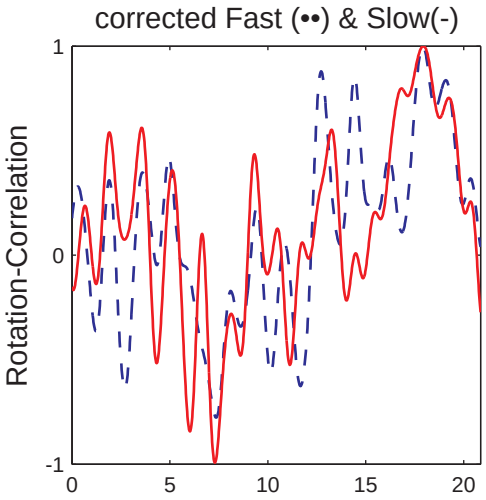
Event: **01-Jun-2010 (152) 03:26 9.33N -84.21E 18km Mw=6.0**
Station: **EREN** Backazimuth: **295.0”** Distance: **106.71”**
init.Pol.: **110.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.1**

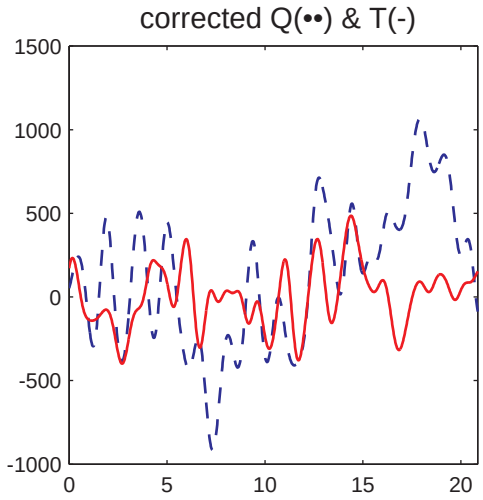
Rotation Correlation:	72<	74° <	79	0.7<0.8s<0.8
Minimum Energy:	78<	85° <	-90	0.7<0.8s<1.0
Eigenvalue:	74<	83° <	-90	0.7<0.8s<1.0

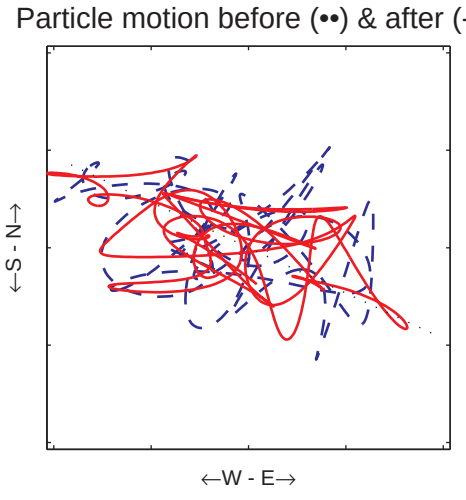
Quality: **fair** IsNull: **No** Phase: **SKS**

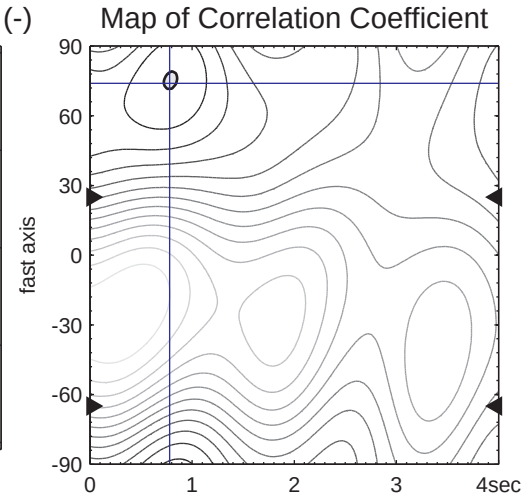


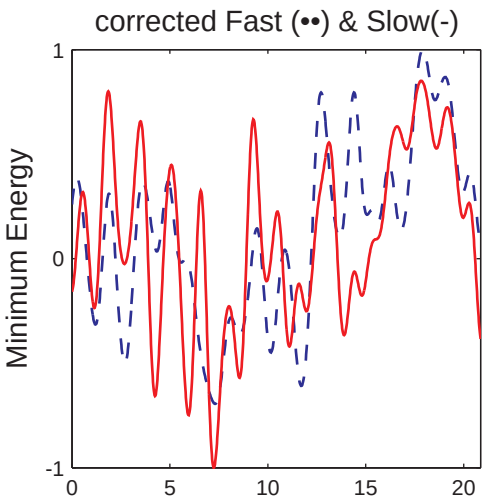
Inc = **7.6”**

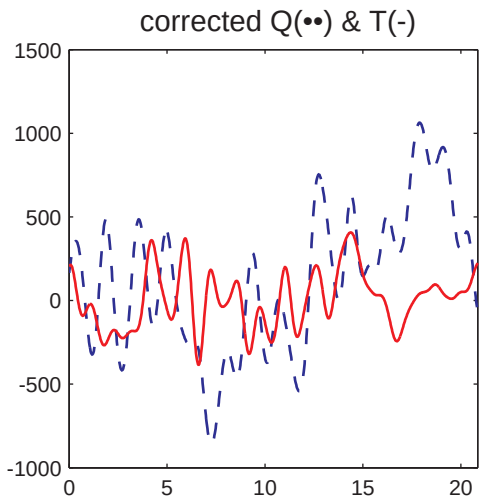


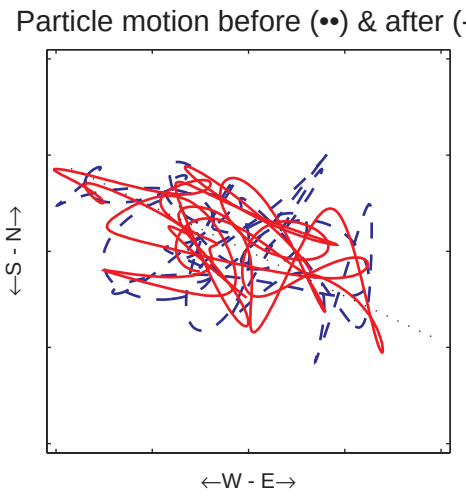


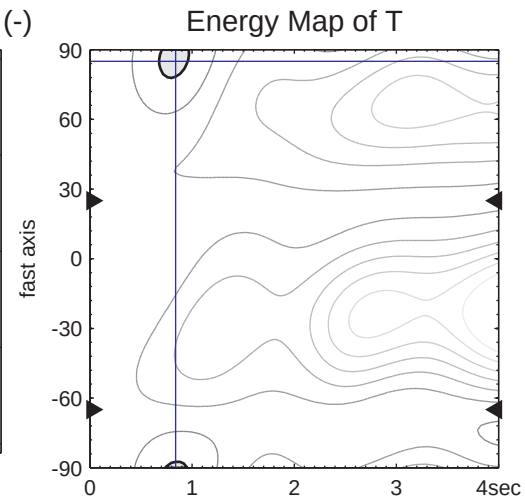


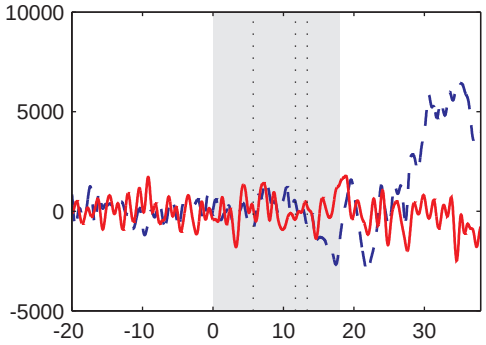








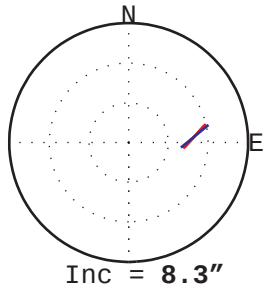


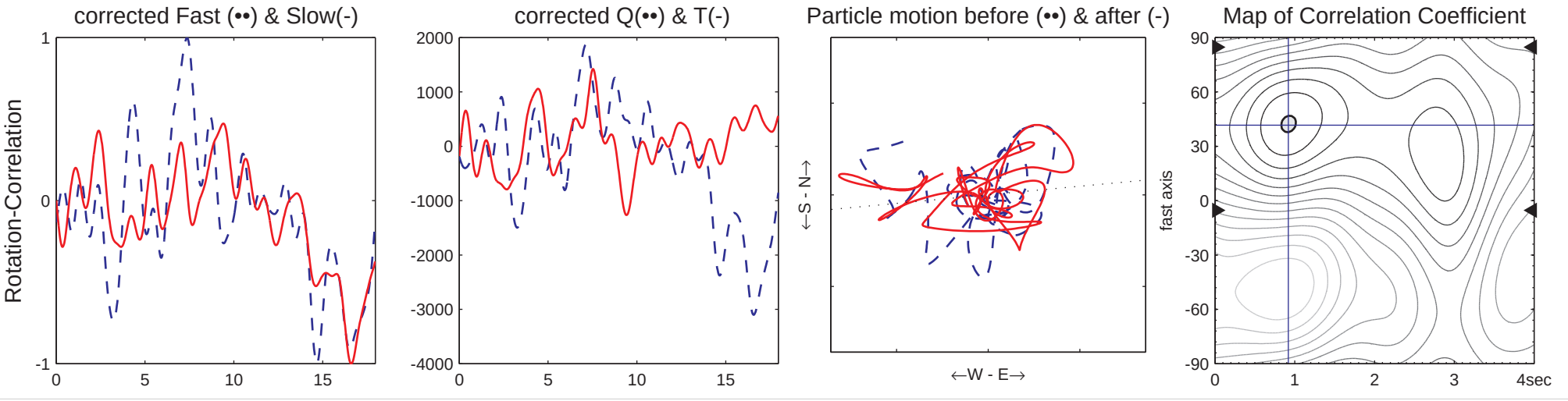


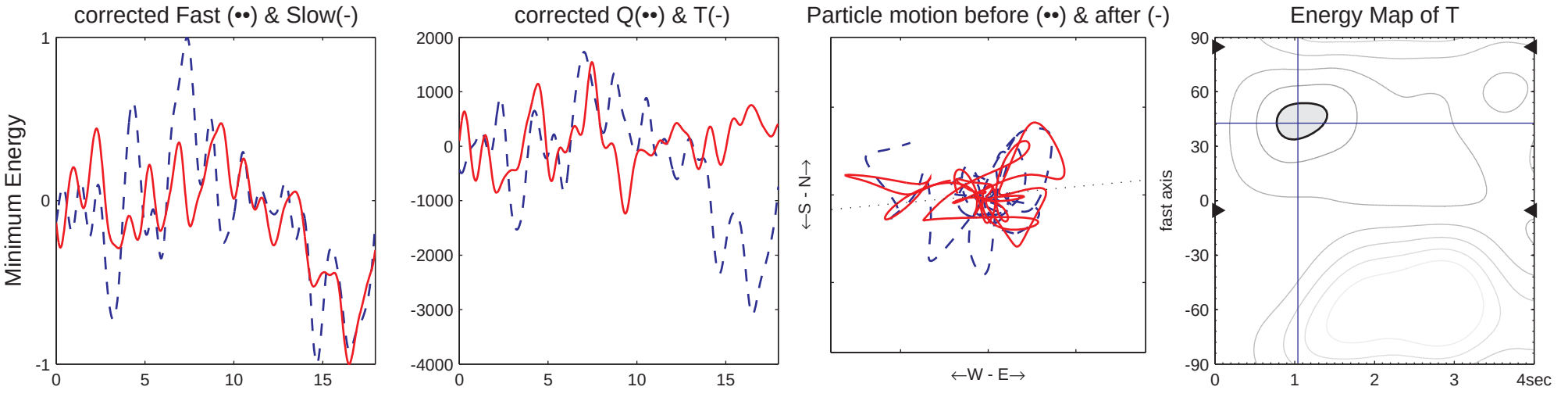
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **EREN** Backazimuth: **84.6”** Distance: **101.52”**
init.Pol.: **273.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.0**

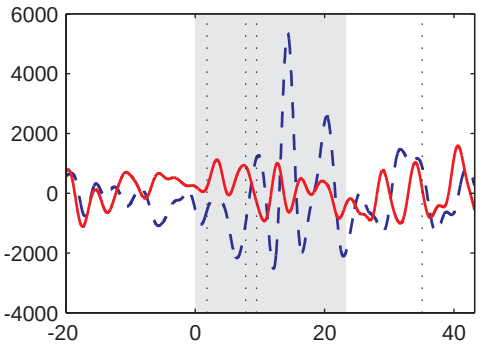
Rotation Correlation:	38<	42° <	47	0.8<0.9s<1.0
Minimum Energy:	33<	43° <	54	0.8<1.0s<1.4
Eigenvalue:	37<	51° <	68	0.8<1.1s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





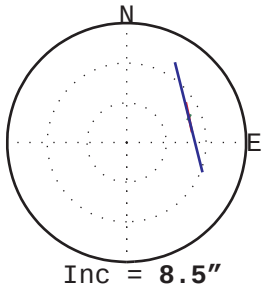


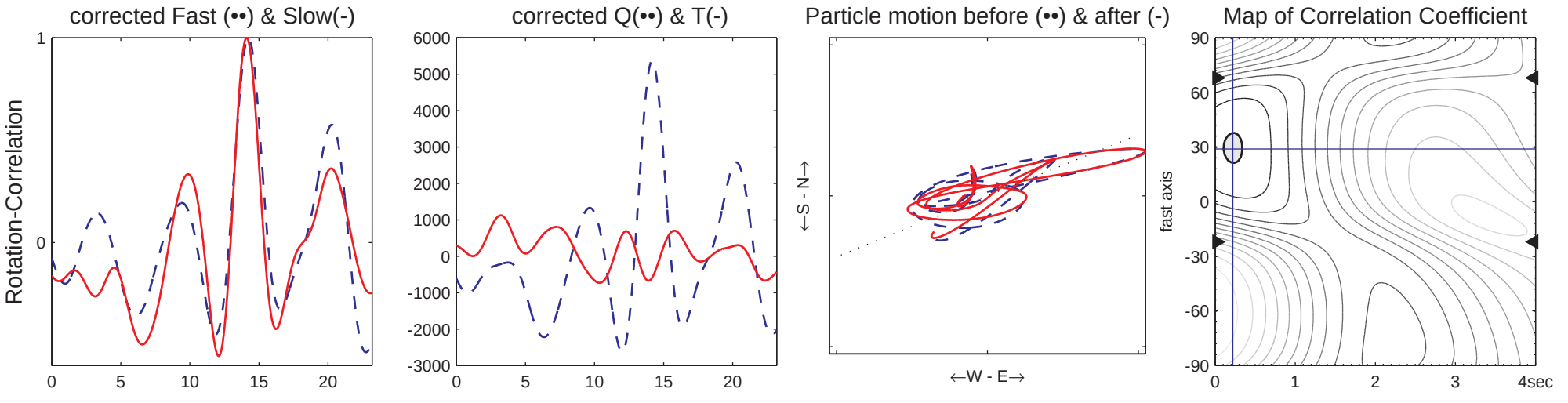


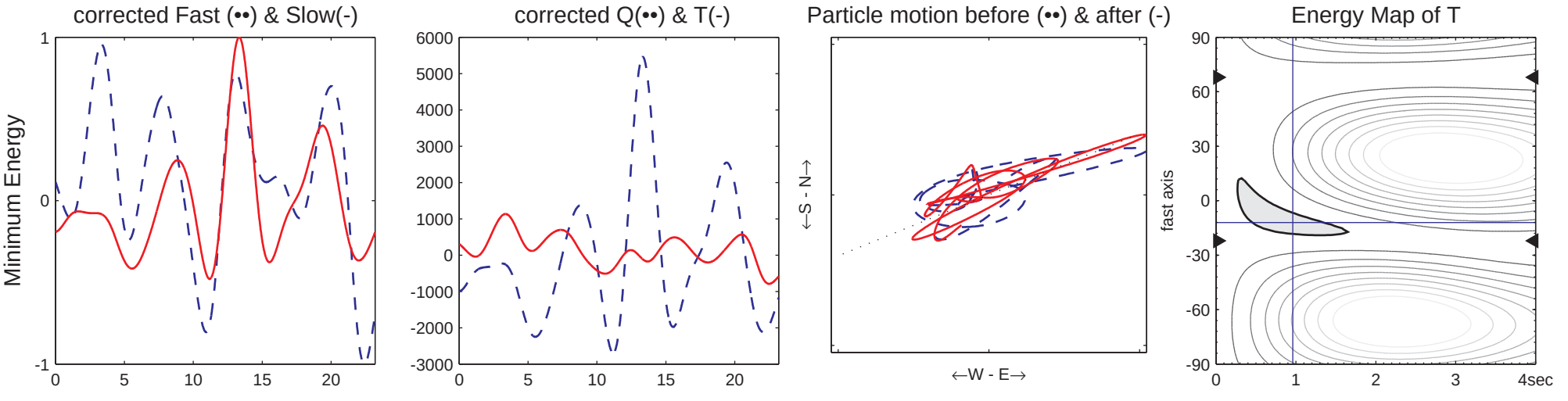
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **EREN** Backazimuth: **67.9”** Distance: **100.63”**
init.Pol.: **267.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

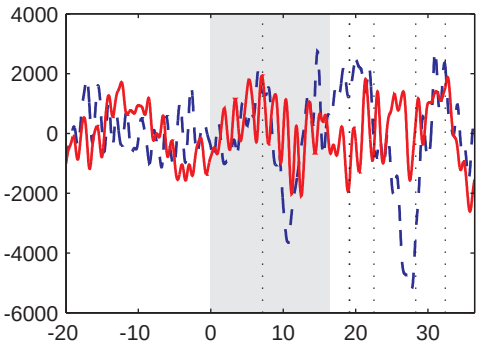
Rotation Correlation:	22<	29° <	38	0.1<0.2s<0.3
Minimum Energy:	-21<	-12° <	11	0.3<1.0s<1.6
Eigenvalue:	-23<	-14° <	-11	3.2<3.6s<4.0

Quality: **fair** IsNull: **Yes** Phase: **SKS**





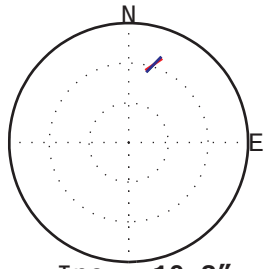




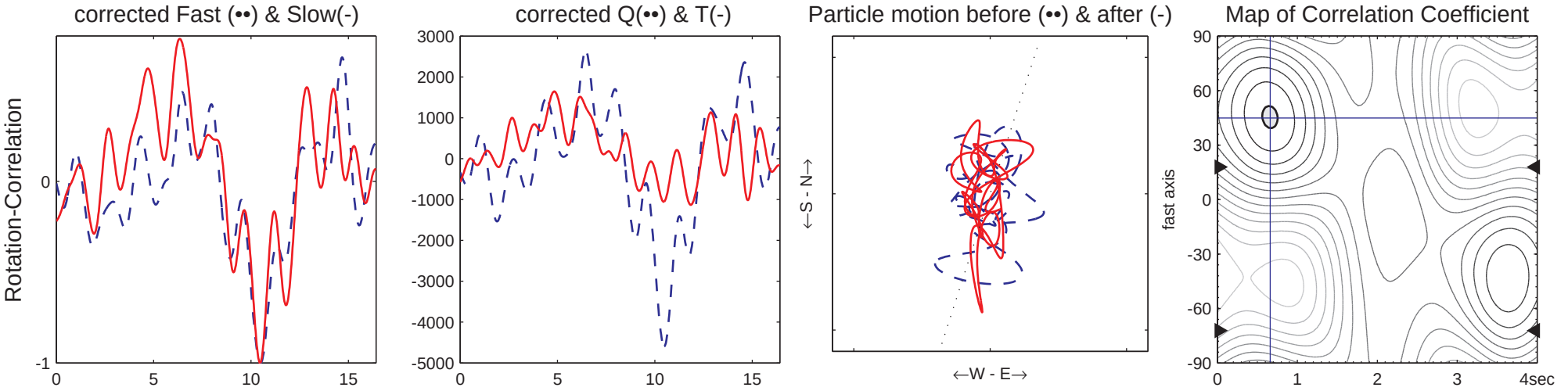
Event: **08-Oct-2010 (281) 03:49 51.29N -175.18E 27km Mw=6.0**
Station: **EREN** Backazimuth: **17.9”** Distance: **89.44”**
init.Pol.: **181.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

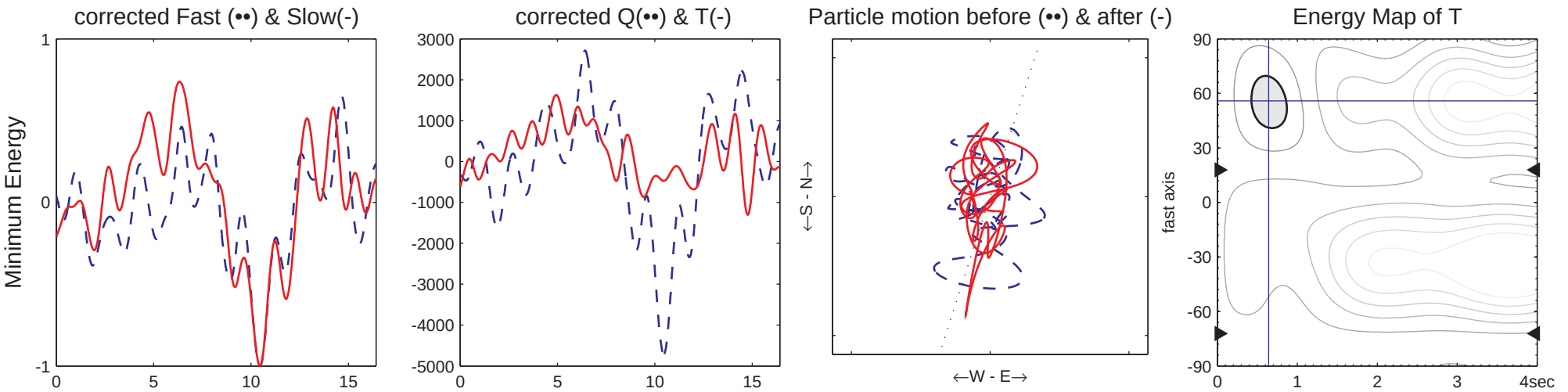
Rotation Correlation:	40<	45° <	52	0.6<0.7s<0.8
Minimum Energy:	41<	56° <	70	0.4<0.6s<0.9
Eigenvalue:	31<	44° <	56	0.5<0.7s<0.8

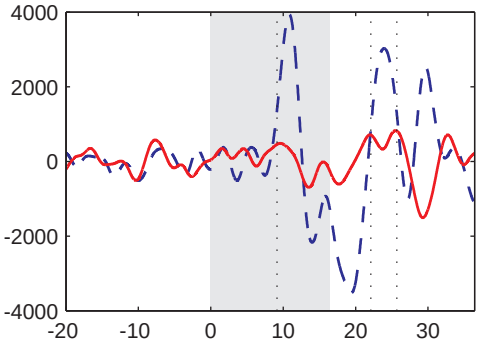
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.3”**



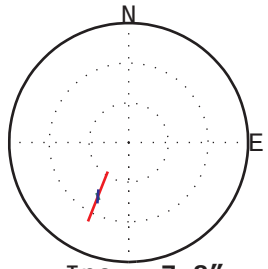




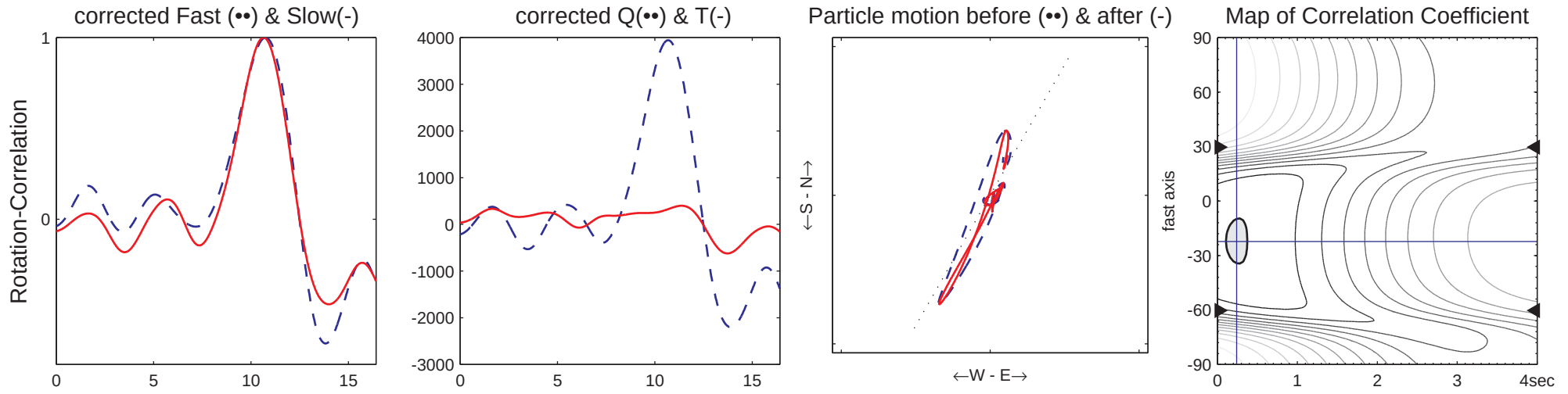
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **EREN** Backazimuth: **209.7”** Distance: **104.98”**
init.Pol.: **23.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.2**

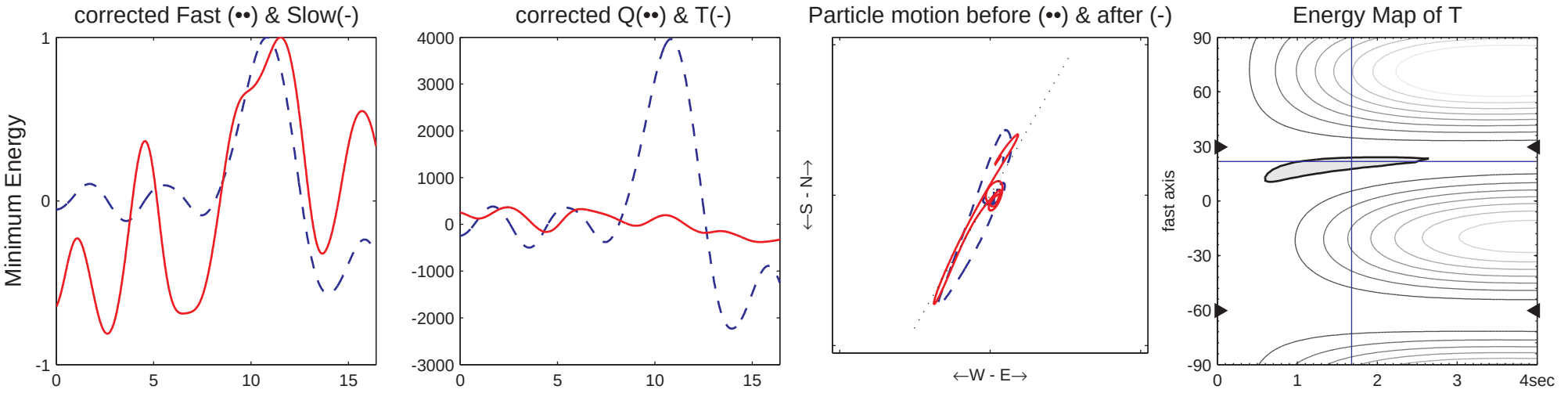
Rotation Correlation:	-36<	-22° < -11	0.1<0.2s<0.4
Minimum Energy:	11<	22° < 23	0.6<1.7s<2.6
Eigenvalue:	-66<	4° < 19	0.2<0.4s<1.5

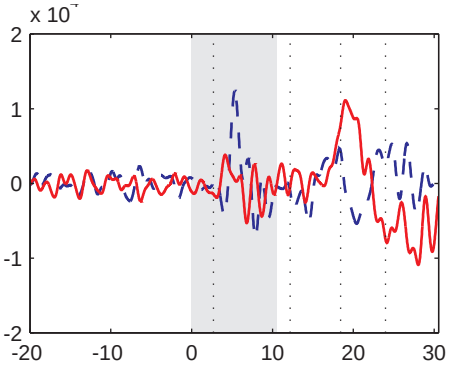
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.8”**



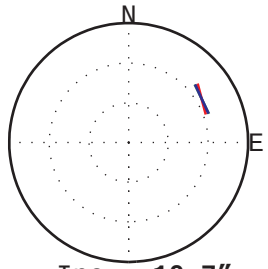




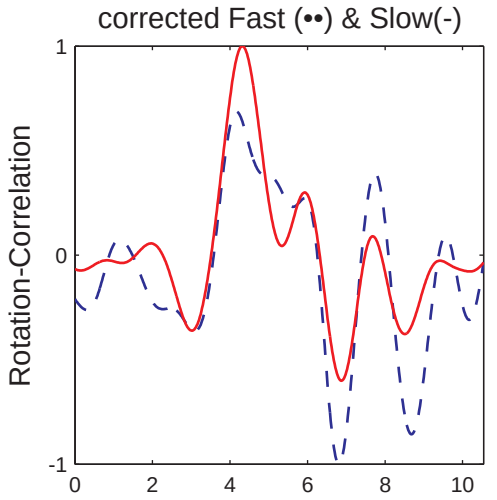
Event: **12-Jan-2011 (012) 21:32 26.97N 139.88E 512km Mw=6.4**
Station: **EREN** Backazimuth: **59.3”** Distance: **86.15”**
init.Pol.: **221.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

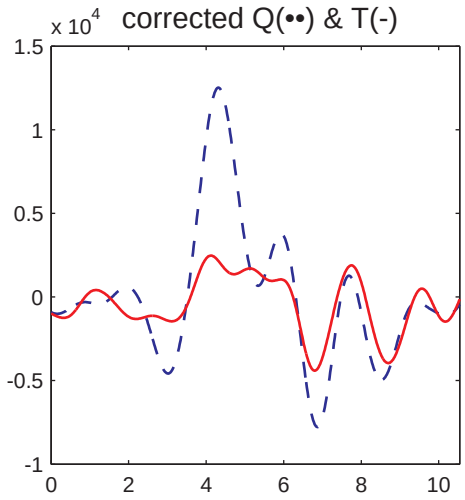
Rotation Correlation:	-32<	-26° <	-22 1.0<1.0s<1.1
Minimum Energy:	-23<	-15° <	-11 0.8<1.0s<1.2
Eigenvalue:	-33<	-25° <	-21 0.9<1.0s<1.1

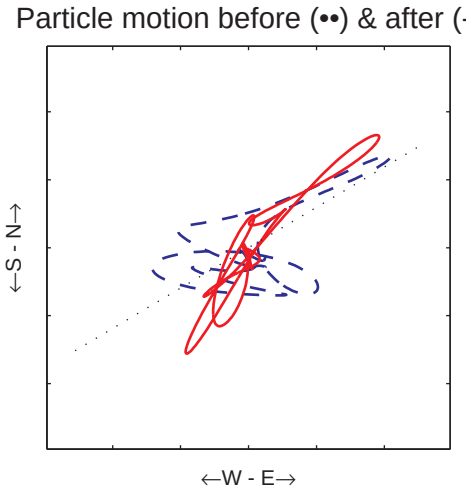
Quality: **fair** IsNull: **No** Phase: **SKS**

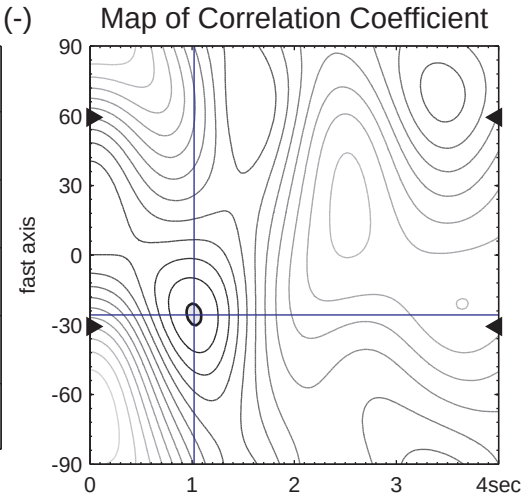


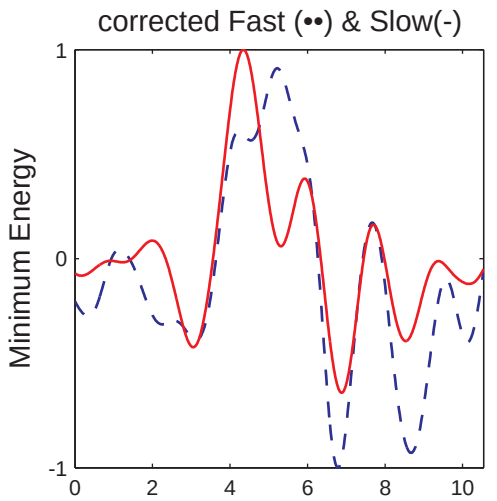
Inc = **10.7”**

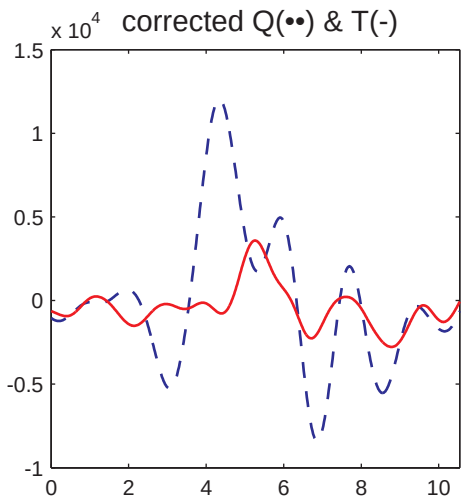


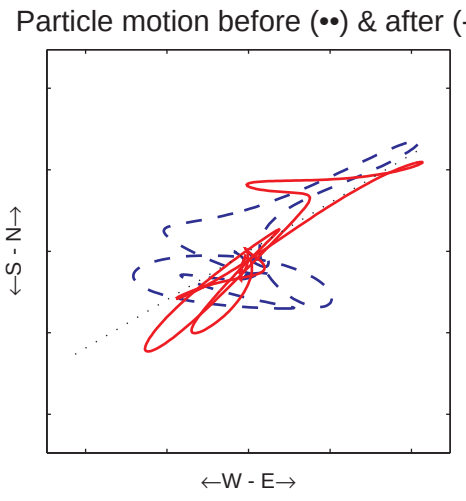


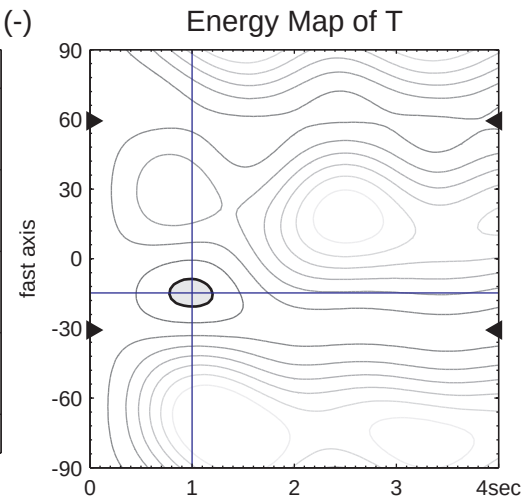


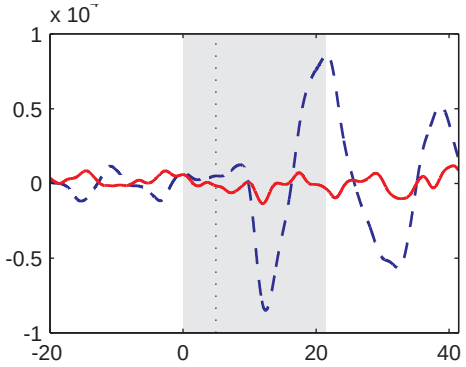








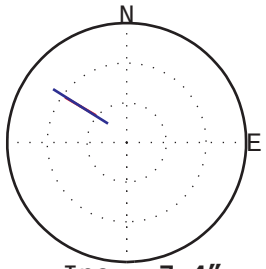


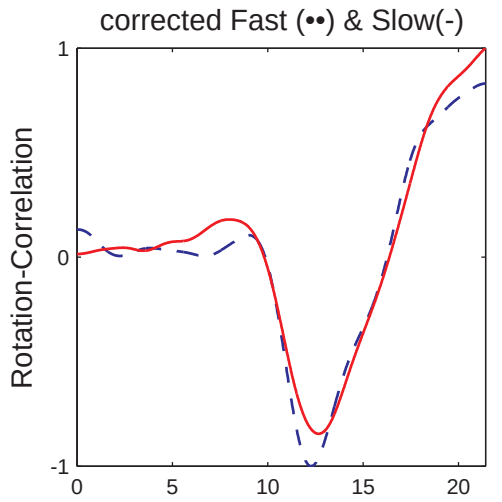


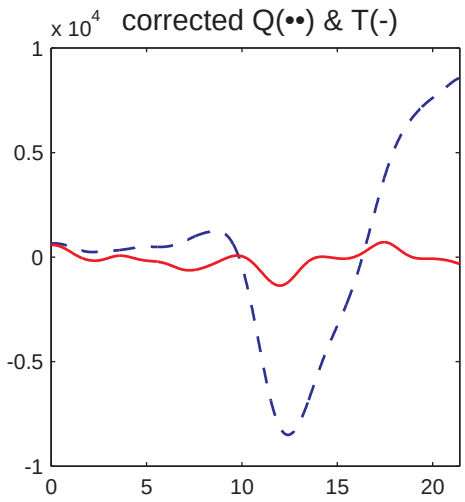
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **EREN** Backazimuth: **308.1”** Distance: **108.19”**
init.Pol.: **128.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**15.5**

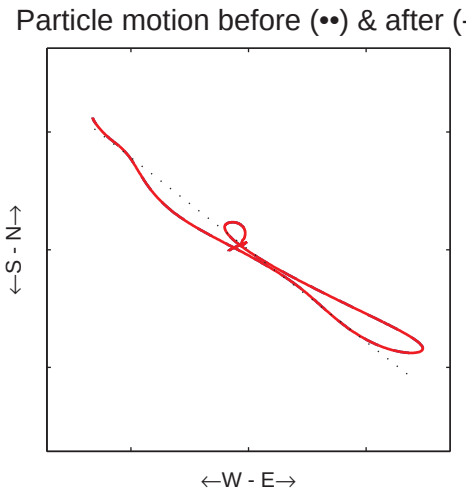
Rotation Correlation:	69<	80° < -89	0.0<0.0s<0.0
Minimum Energy:	-84<	-60° < -56	0.2<1.1s<2.8
Eigenvalue:	-64<	-58° < -58	1.2<2.0s<2.9

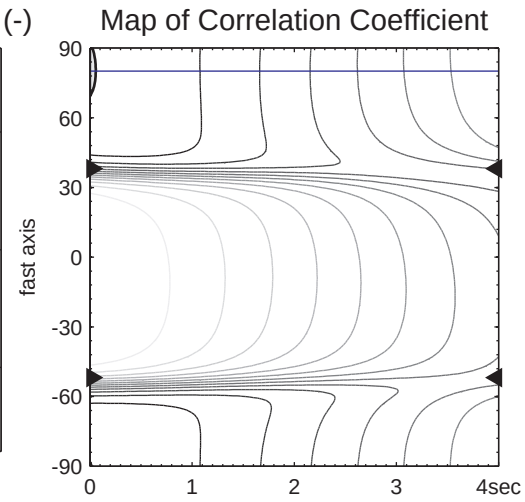
Quality: **good** IsNull: **Yes** Phase: **SKS**

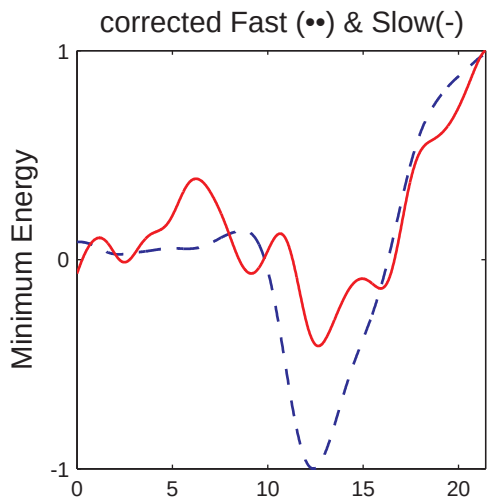


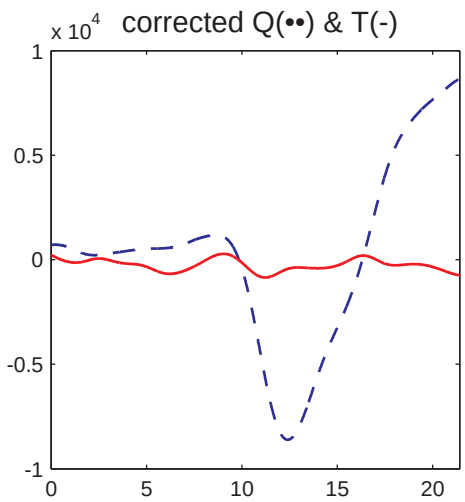


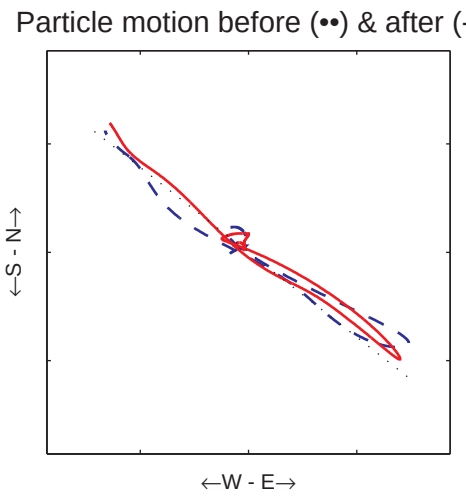


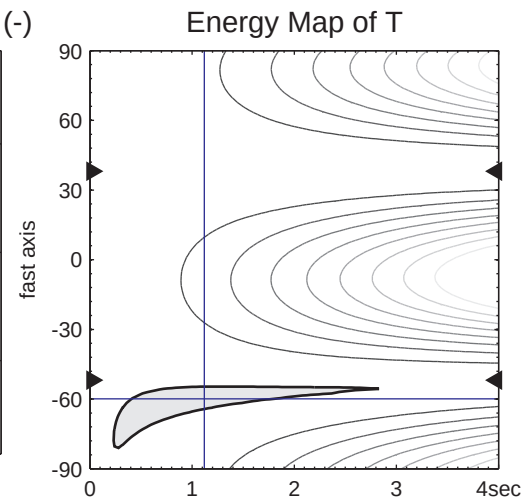


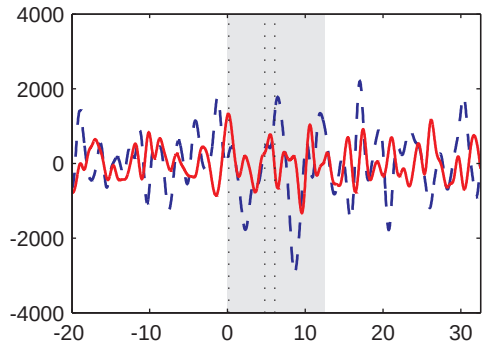








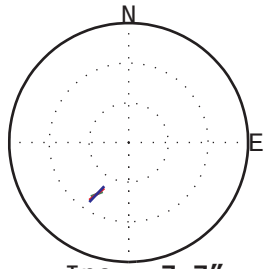




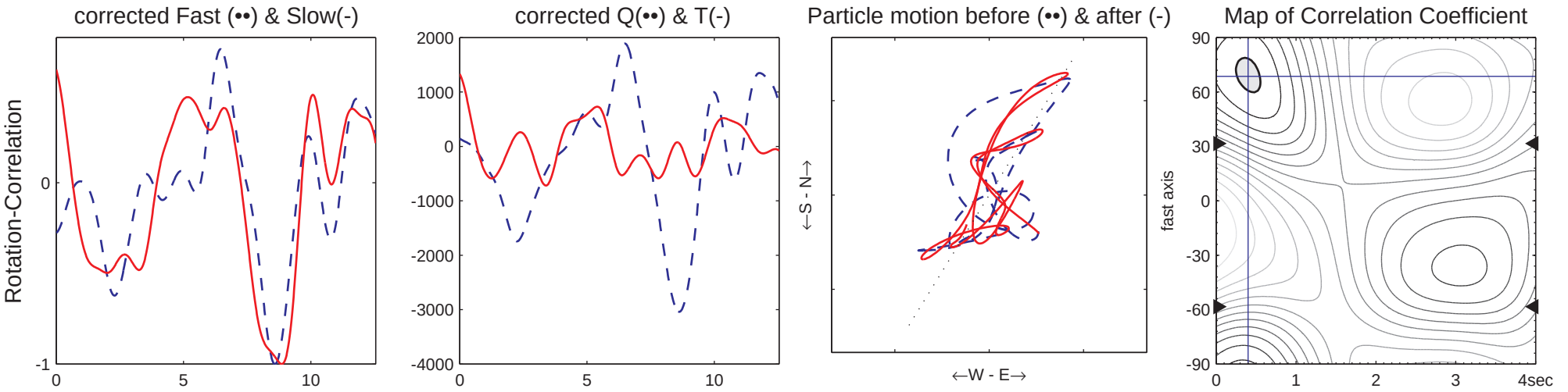
Event: **20-Jan-2007 (020) 06:21 -55.42N -29.53E 10km Mw=6.2**
Station: **ERMK** Backazimuth: **211.6”** Distance: **106.30”**
init.Pol.: **22.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.0**

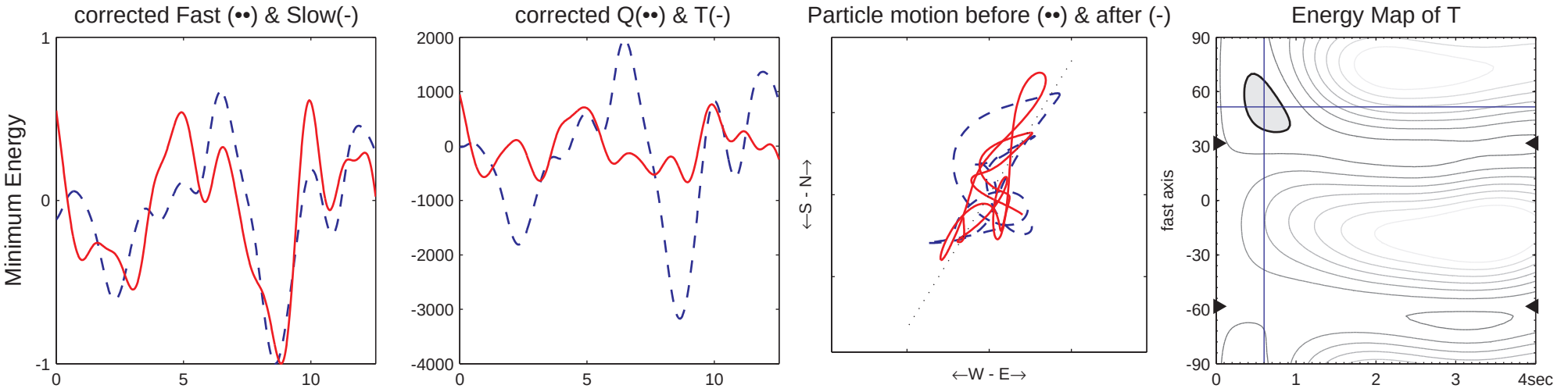
Rotation Correlation:	60<	69° <	79	0.2<0.4s<0.6
Minimum Energy:	37<	52° <	70	0.4<0.6s<0.9
Eigenvalue:	31<	44° <	60	0.4<0.7s<0.9

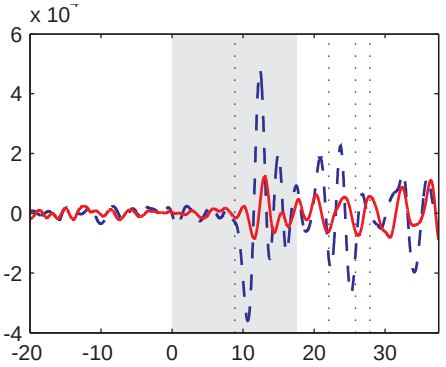
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.7”**



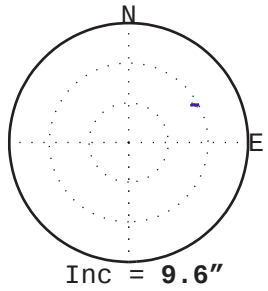


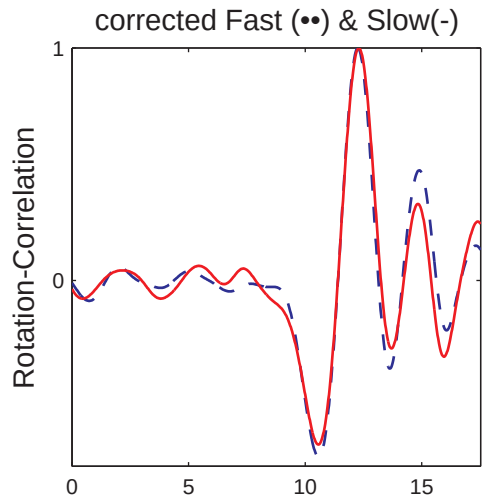


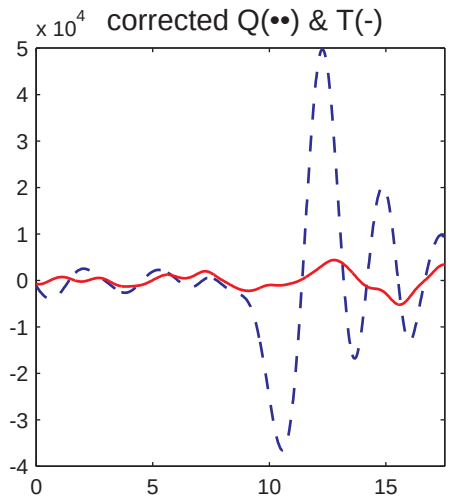
Event: **30-Jan-2007 (030) 21:37 20.99N 144.70E 30km Mw=6.6**
Station: **ERMK** Backazimuth: **60.3”** Distance: **93.69”**
init.Pol.: **235.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.4**

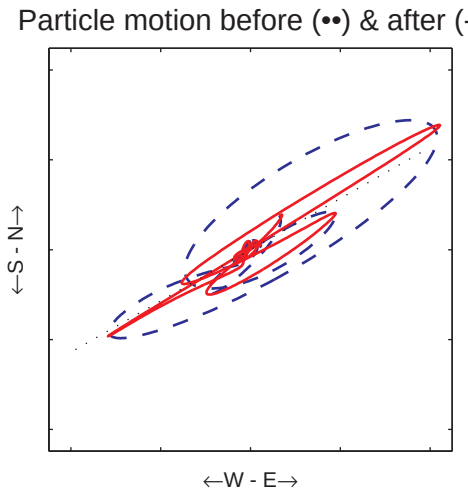
Rotation Correlation:	-90<	-79° < -71	0.2<0.2s<0.3
Minimum Energy:	-88<	-66° < -50	0.2<0.2s<0.4
Eigenvalue:	68<	84° < -66	0.2<0.3s<0.5

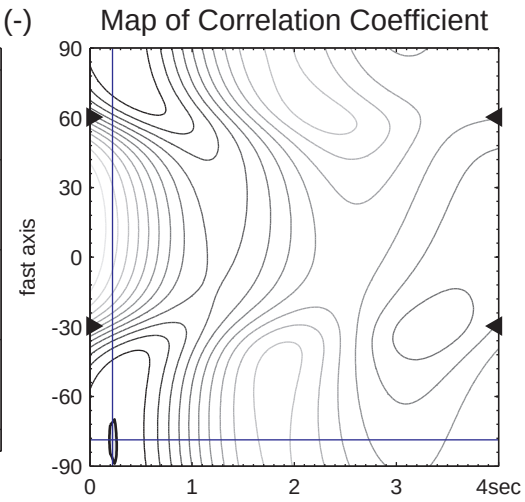
Quality: **fair** IsNull: **No** Phase: **SKS**

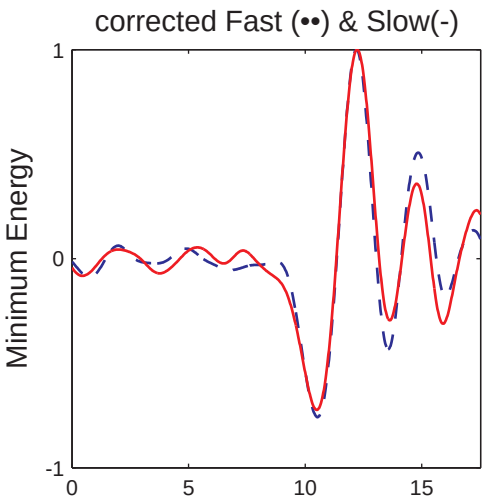


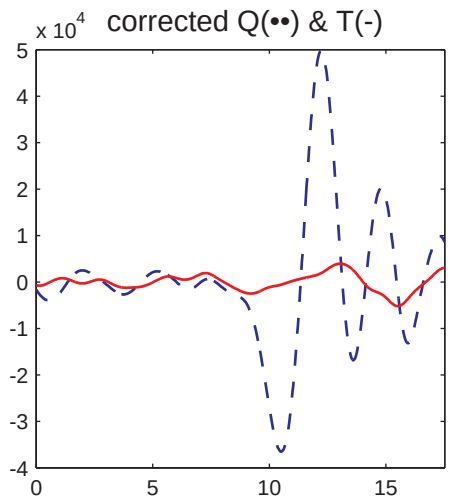


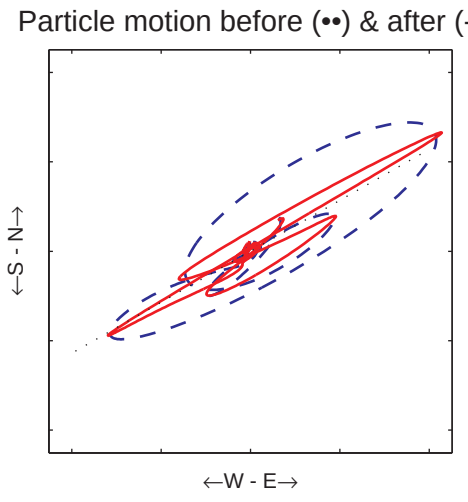


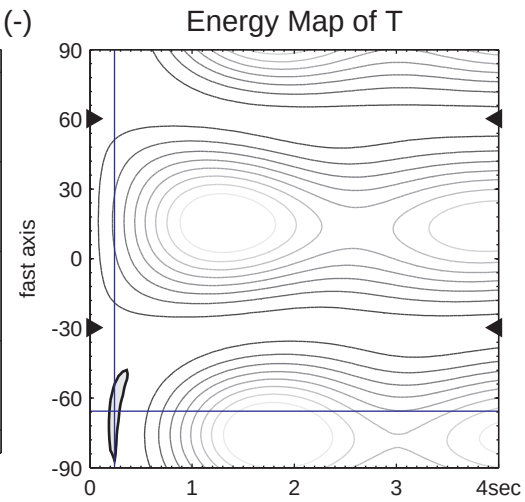


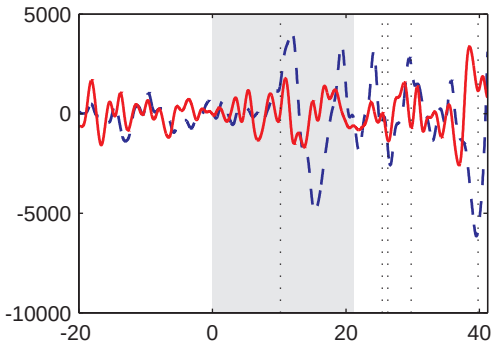








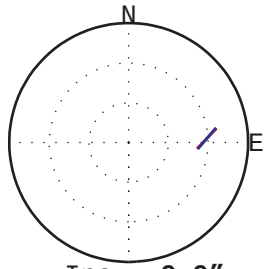




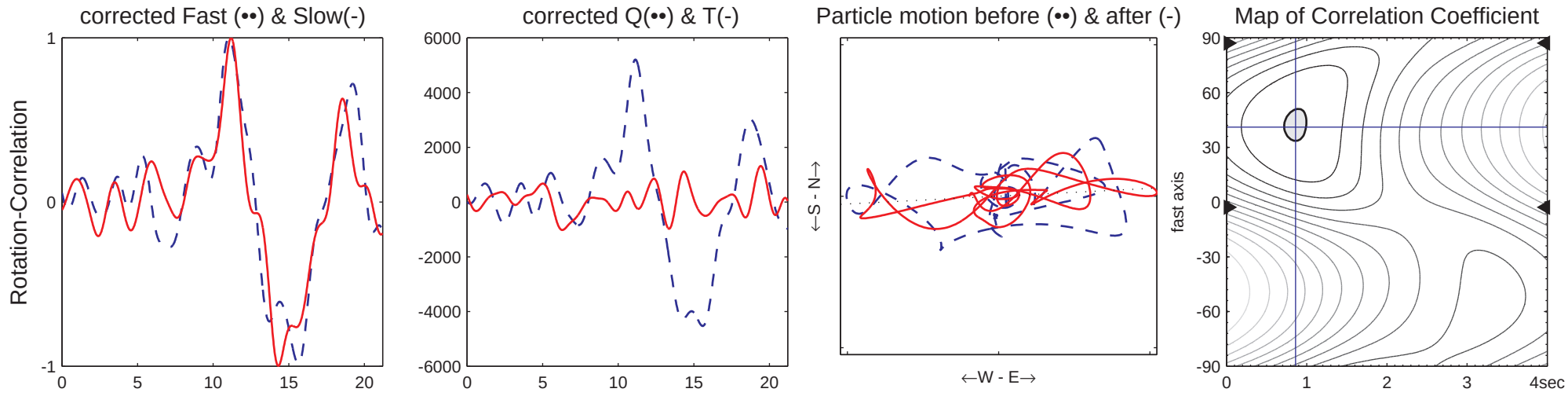
Event: **17-Mar-2007 (076) 17:42** **1.15N 126.25E** **35km** Mw=**6.2**
Station: **ERMK** Backazimuth: **87.1”** Distance: **91.99”**
init.Pol.: **265.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.4**

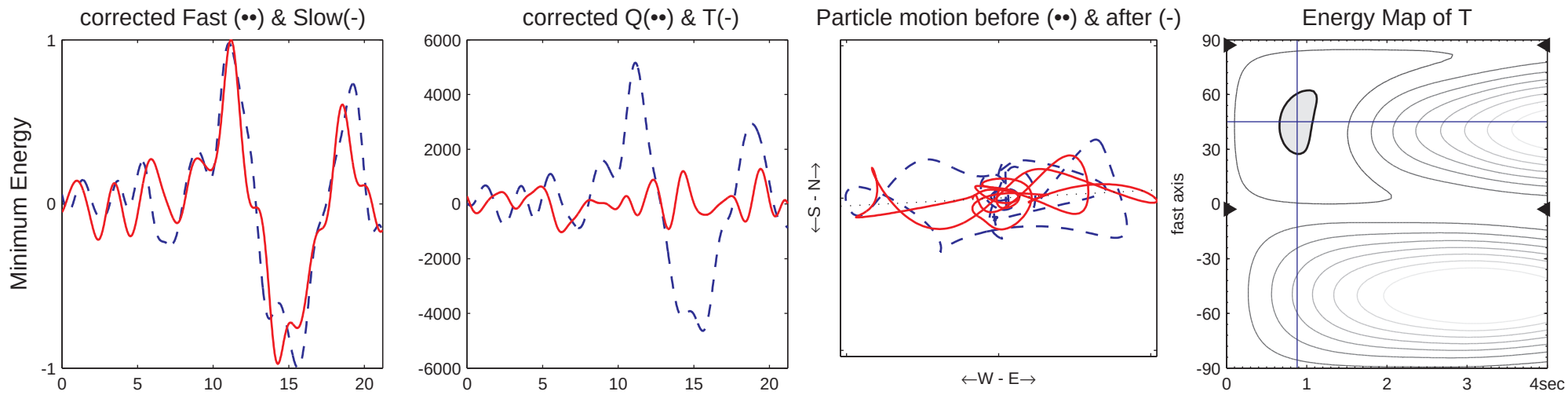
Rotation Correlation:	34<	41° <	51	0.7<0.9s<1.0
Minimum Energy:	27<	45° <	62	0.7<0.9s<1.1
Eigenvalue:	17<	41° <	68	0.6<0.9s<1.2

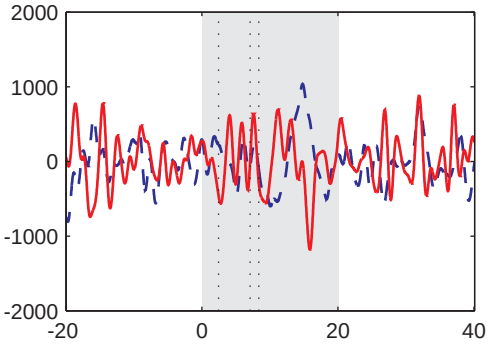
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **9.9”**



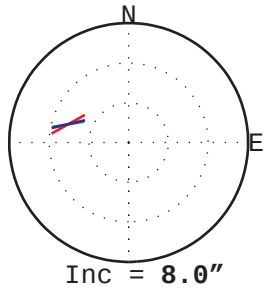


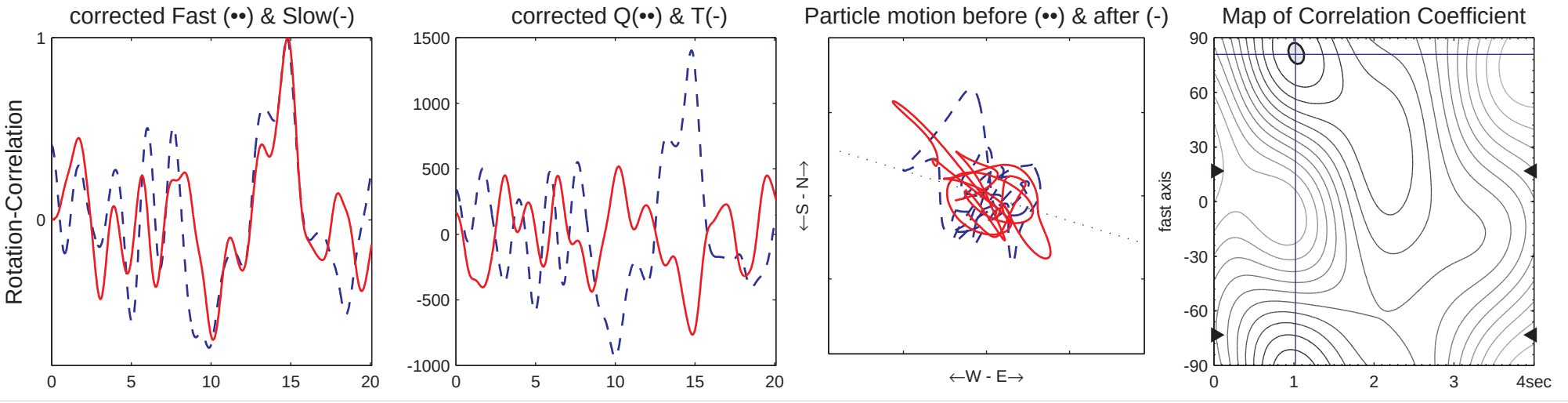


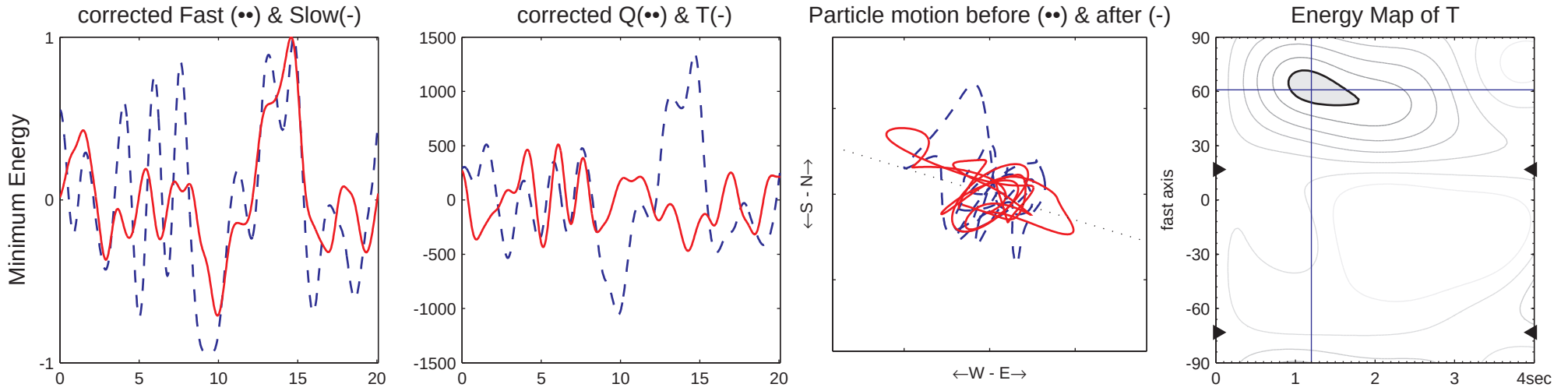
Event: **17-Mar-2007 (076) 22:43 4.55N -78.50E 10km Mw=6.0**
Station: **ERMK** Backazimuth: **286.8”** Distance: **104.16”**
init.Pol.: **128.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.9**

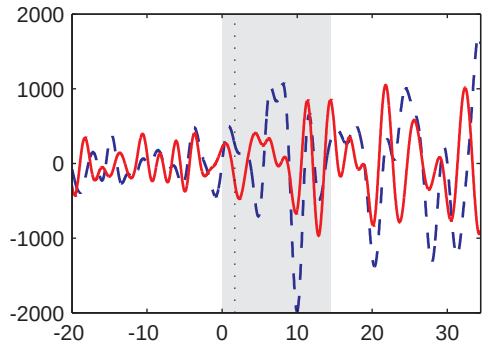
Rotation Correlation:	76<	81° <	87	0.9<1.0s<1.1
Minimum Energy:	52<	61° <	72	0.9<1.2s<1.8
Eigenvalue:	66<	77° <	-92	0.8<1.1s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





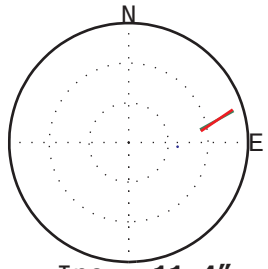




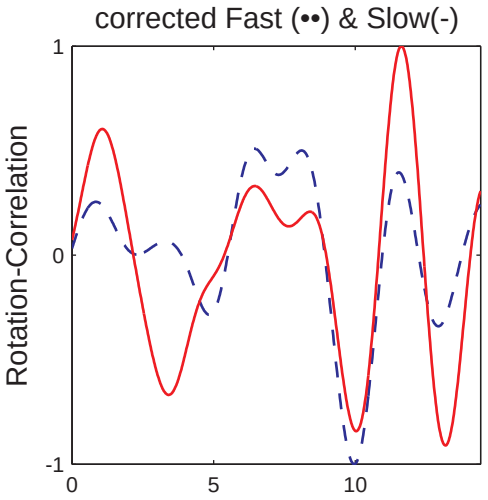
Event: **03-Apr-2007 (093) 11:57 -7.84N 155.59E 27km Mw=5.4**
Station: **ERMK** Backazimuth: **75.9”** Distance: **120.70”**
init.Pol.: **214.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

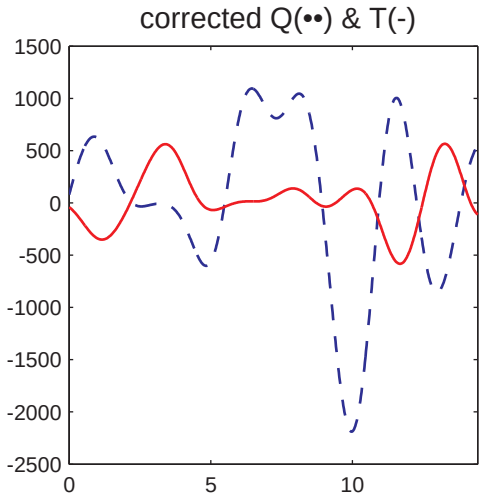
Rotation Correlation:	55<	61° <	68	1.1<1.2s<1.3
Minimum Energy:	50<	56° <	62	1.0<1.2s<1.4
Eigenvalue:	48<	56° <	62	2.8<3.0s<3.2

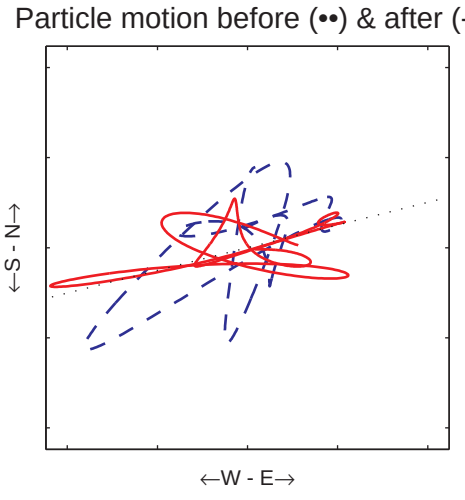
Quality: **good** IsNull: **No** Phase: **SKKS**

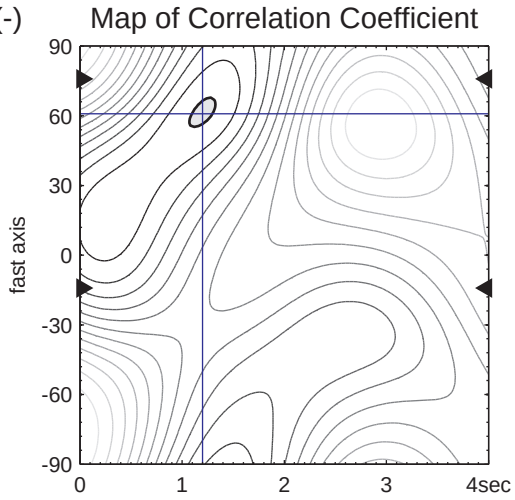


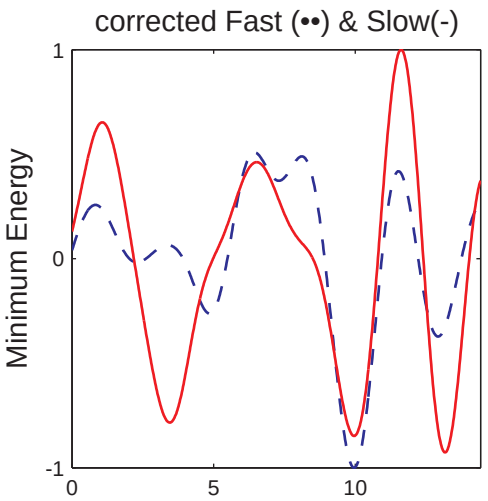
Inc = **11.4”**

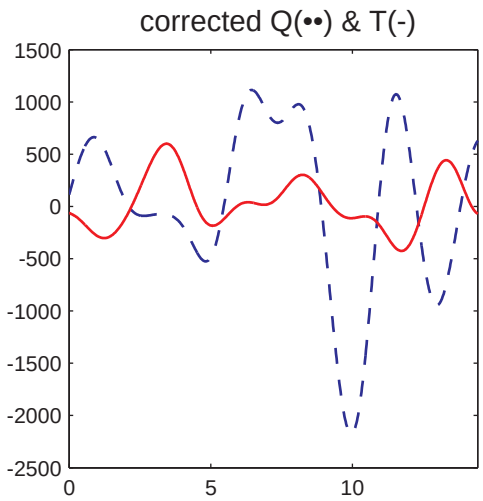


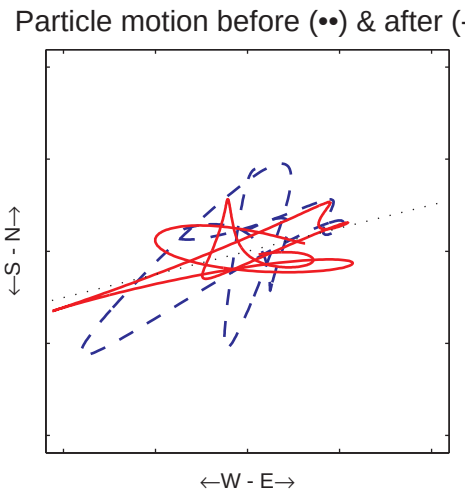


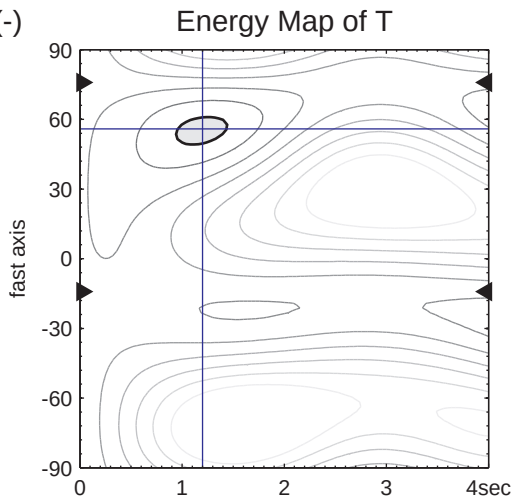


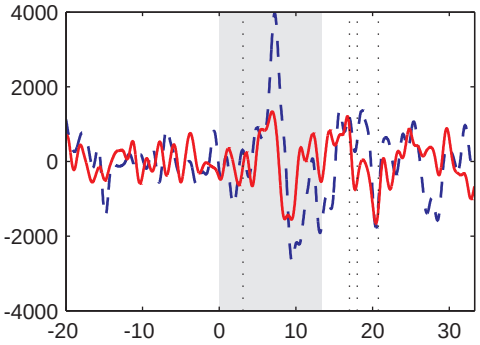








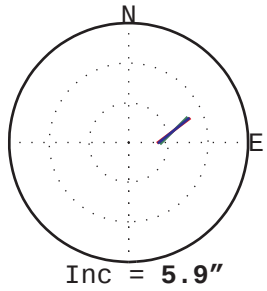


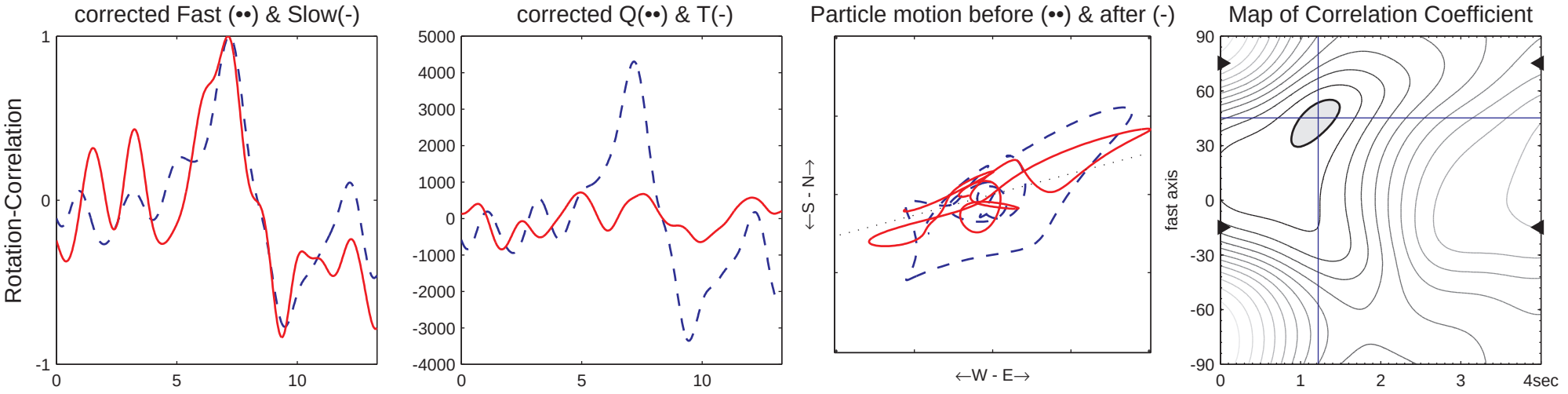


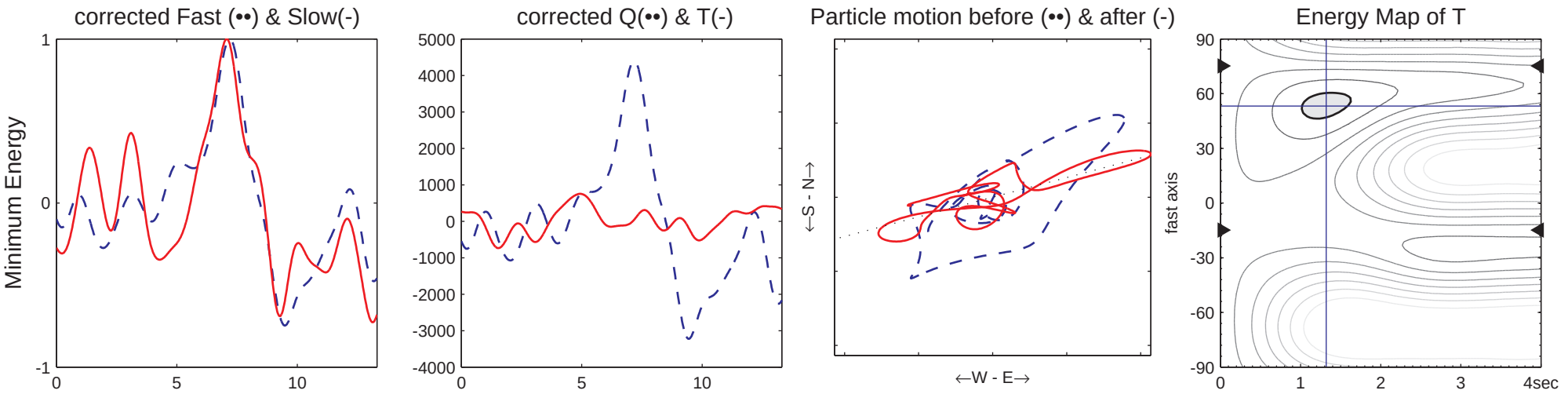
Event: **04-Apr-2007 (094) 06:34 -7.78N 156.49E 31km Mw=6.4**
Station: **ERMK** Backazimuth: **75.2”** Distance: **121.37”**
init.Pol.: **251.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.3**

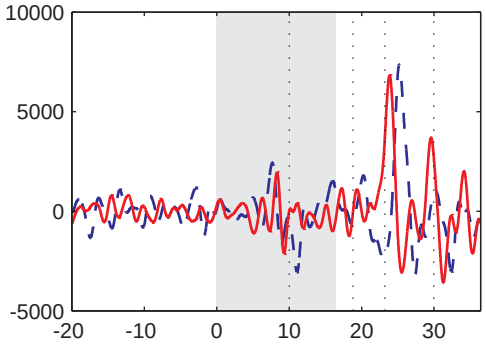
Rotation Correlation:	30<	45° <	55	0.9<1.2s<1.5
Minimum Energy:	46<	53° <	60	1.0<1.3s<1.6
Eigenvalue:	39<	51° <	62	0.9<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





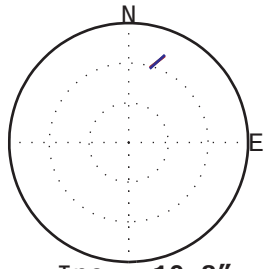




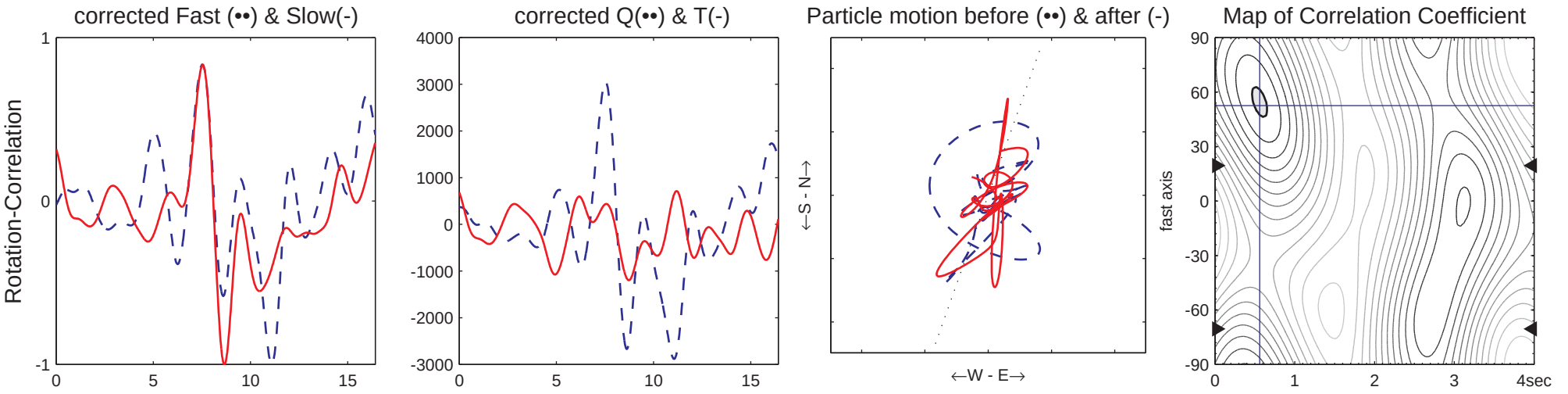
Event: **29-Apr-2007 (119) 12:41 52.01N -179.97E 117km Mw=6.2**
Station: **ERMK** Backazimuth: **19.6”** Distance: **86.81”**
init.Pol.: **195.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.4**

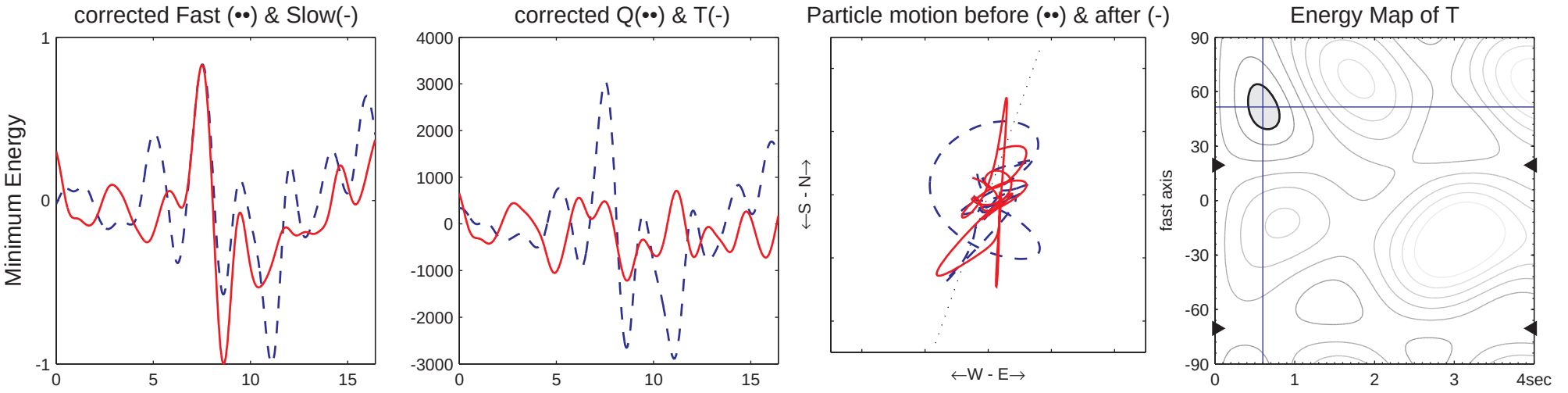
Rotation Correlation:	47<	53° <	63	0.5<0.6s<0.6
Minimum Energy:	39<	52° <	64	0.4<0.6s<0.8
Eigenvalue:	33<	48° <	64	0.4<0.6s<0.8

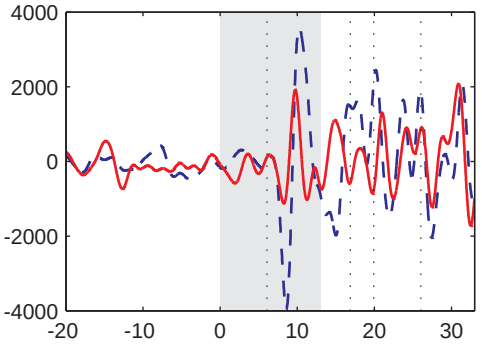
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



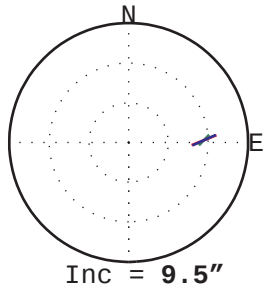


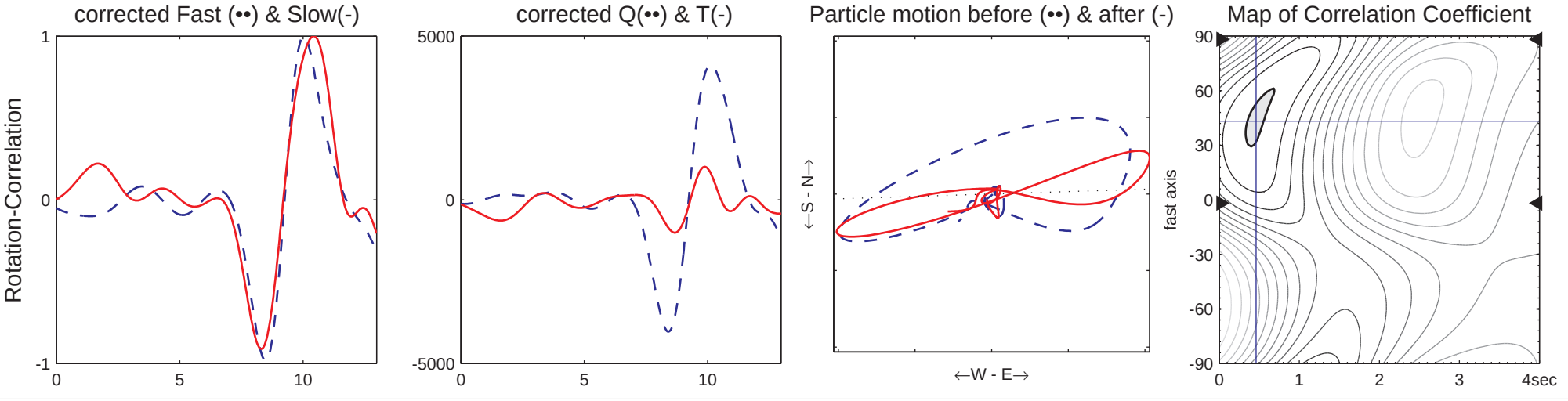


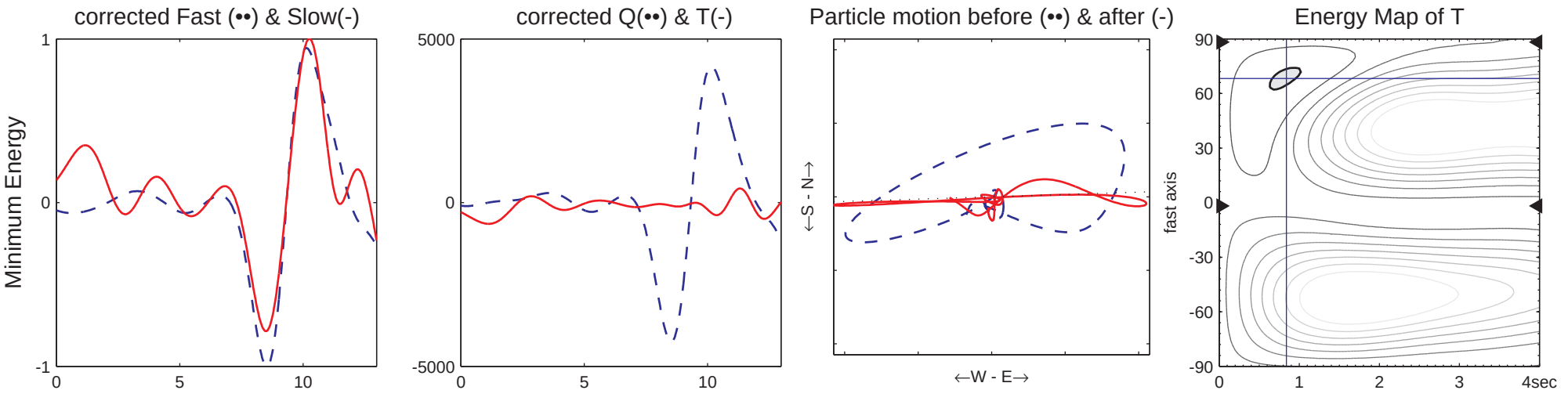
Event: **29-May-2007 (149) 09:36 -1.07N 127.34E 24km Mw=6.1**
Station: **ERMK** Backazimuth: **88.2”** Distance: **94.19”**
init.Pol.: **267.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.1**

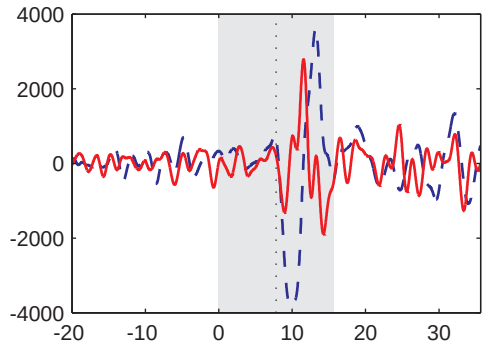
Rotation Correlation:	30<	43° <	61	0.3<0.5s<0.7
Minimum Energy:	62<	68° <	74	0.6<0.8s<1.0
Eigenvalue:	56<	66° <	76	0.6<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





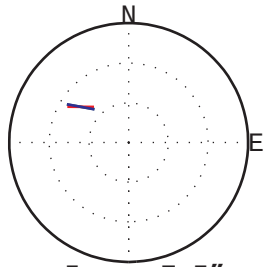




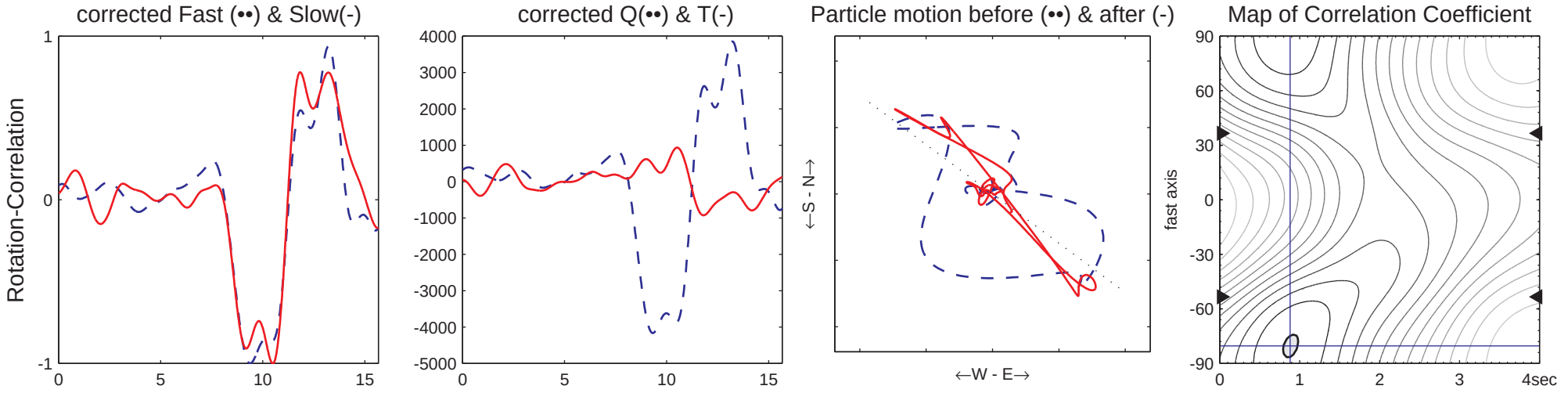
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **ERMK** Backazimuth: **306.6”** Distance: **107.12”**
init.Pol.: **136.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.9**

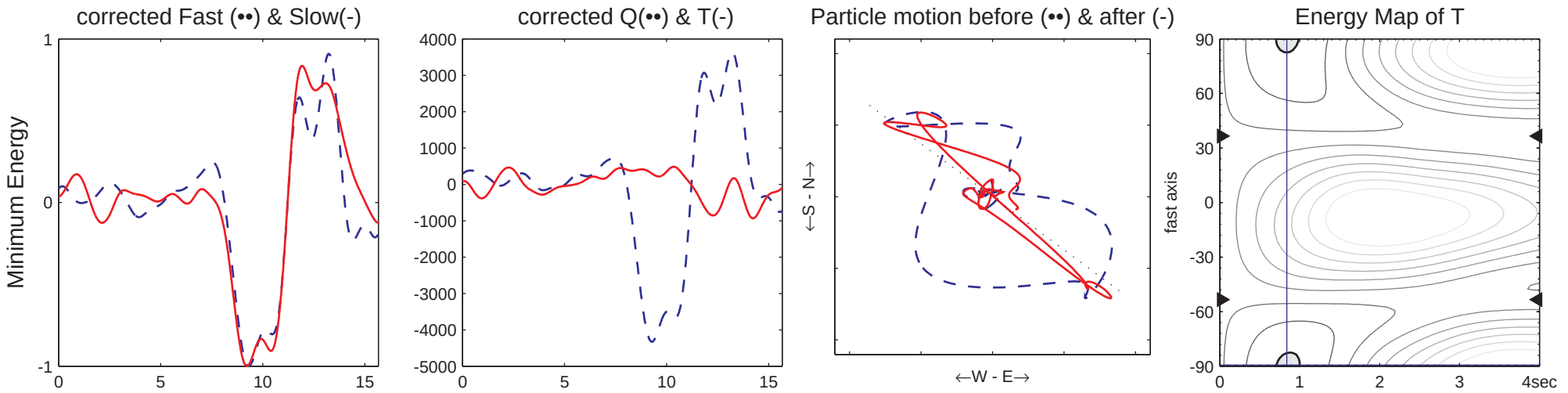
Rotation Correlation:	-88<	-80° < -75	0.8<0.9s<1.0
Minimum Energy:	-Inf<	-89° < Inf	0.0<0.8s<Inf
Eigenvalue:	-90<	-79° < -74	0.8<0.9s<1.0

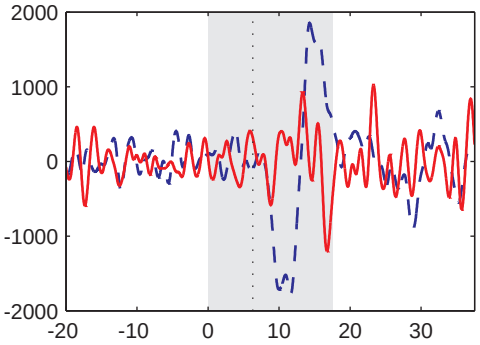
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.5”**



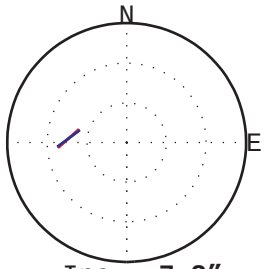


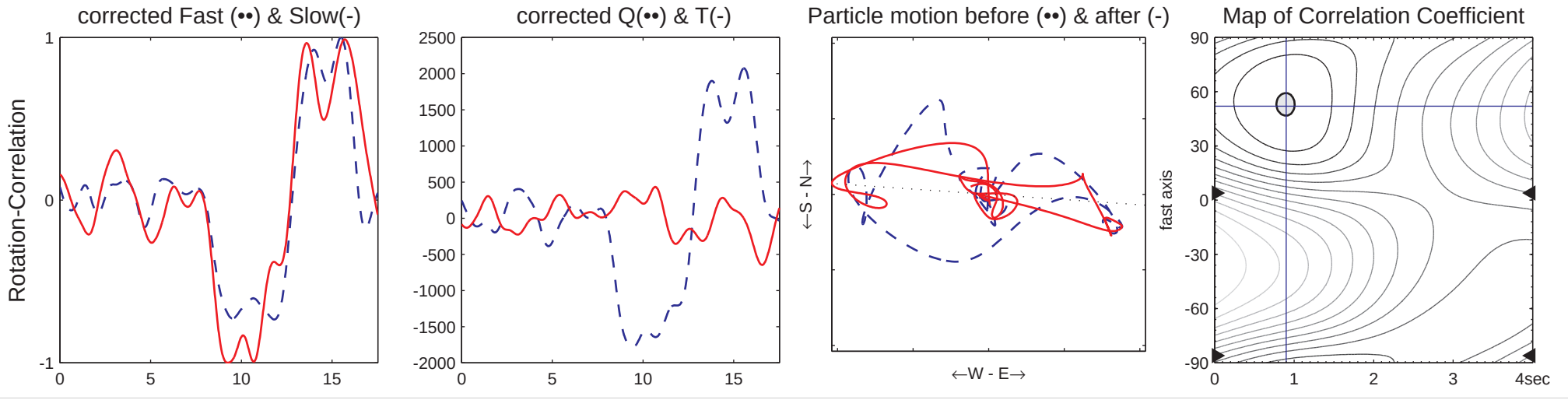


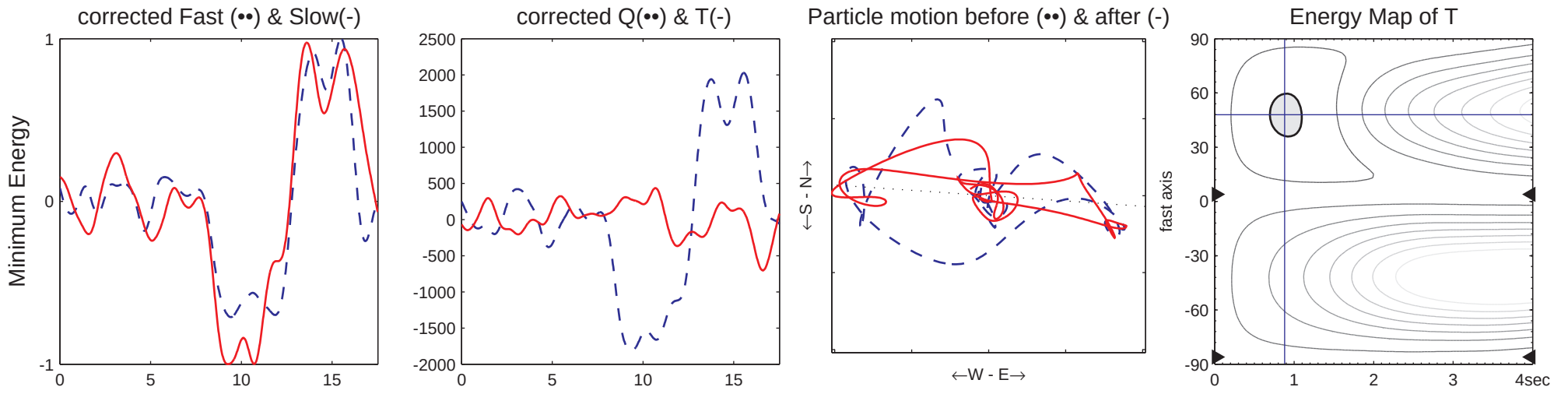
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **ERMK** Backazimuth: **273.9”** Distance: **108.60”**
init.Pol.: **99.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.3**

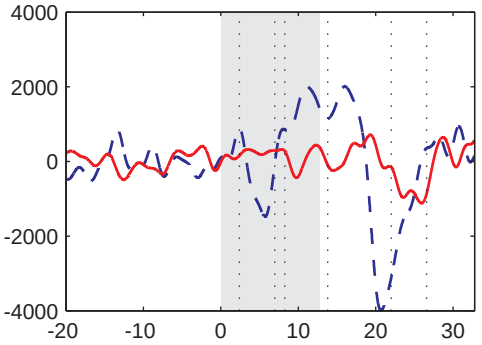
Rotation Correlation:	47<	52° <	59	0.8<0.9s<1.0
Minimum Energy:	35<	48° <	60	0.7<0.9s<1.1
Eigenvalue:	41<	54° <	68	0.7<0.9s<1.1

Quality: **good** IsNull: **Yes** Phase: **SKS**





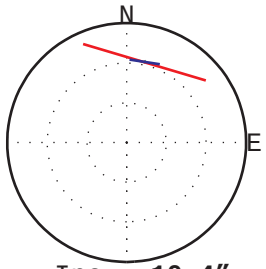




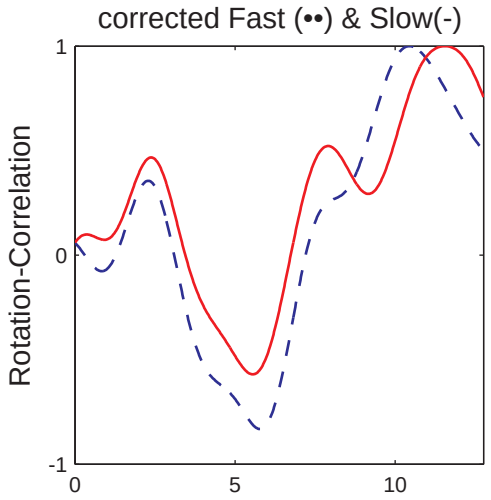
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **ERMK** Backazimuth: **12.6”** Distance: **89.02”**
init.Pol.: **197.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

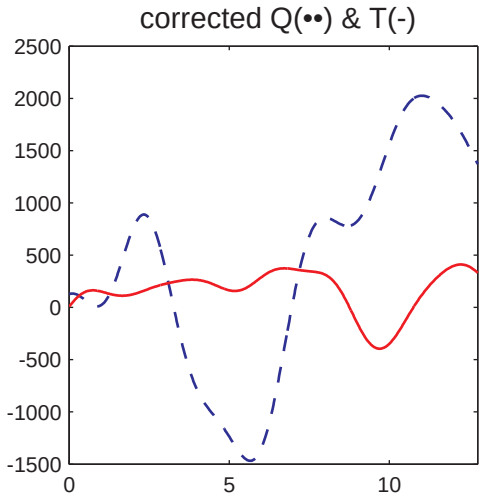
Rotation Correlation:	45<	59° <	74	0.0<0.1s<0.4
Minimum Energy:	-Inf<	-73° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-81° <	Inf	0.0<1.0s<Inf

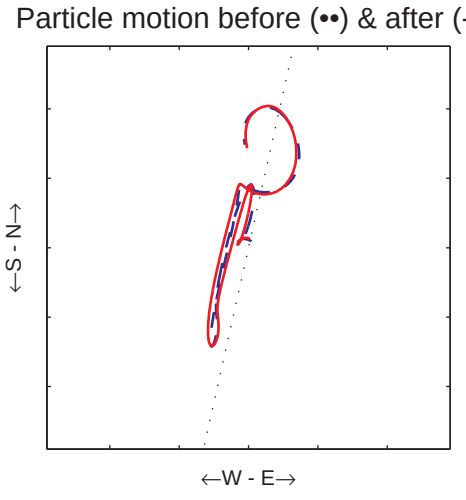
Quality: **good** IsNull: **Yes** Phase: **SKS**

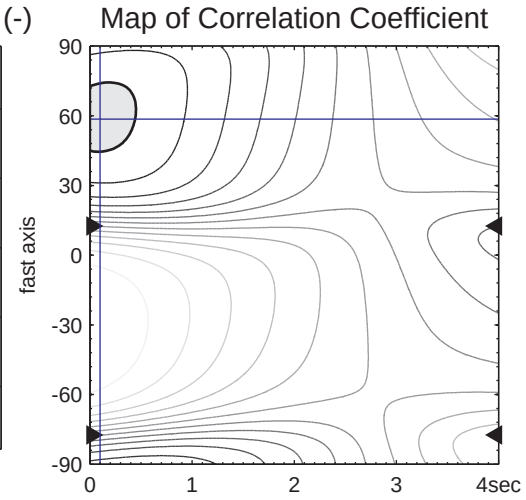


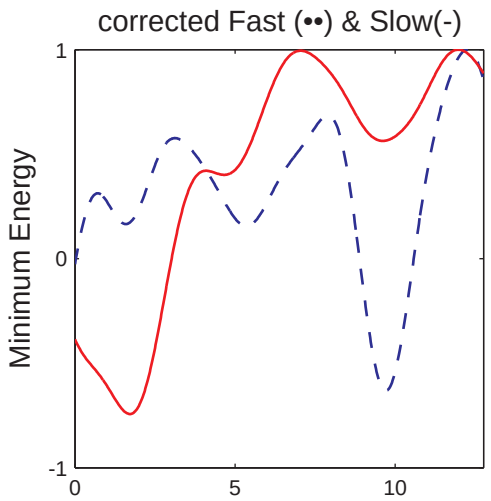
Inc = **10.4”**

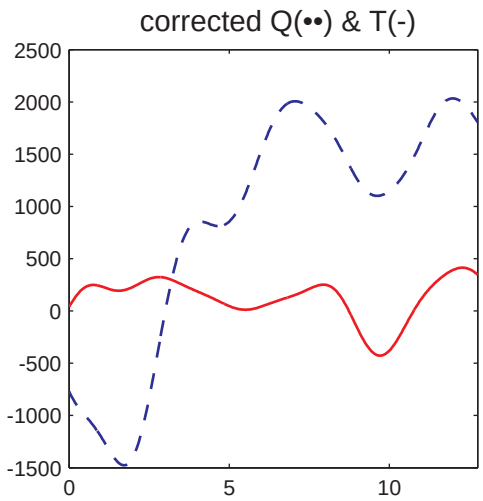


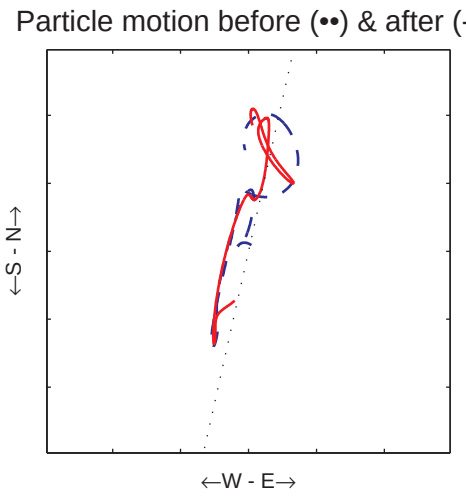


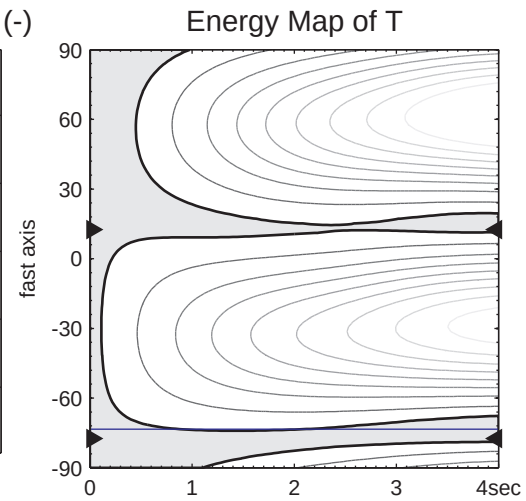


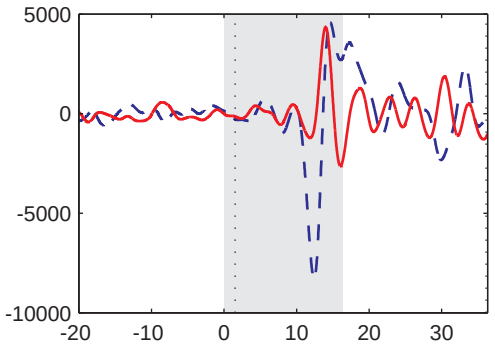








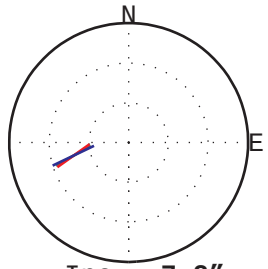




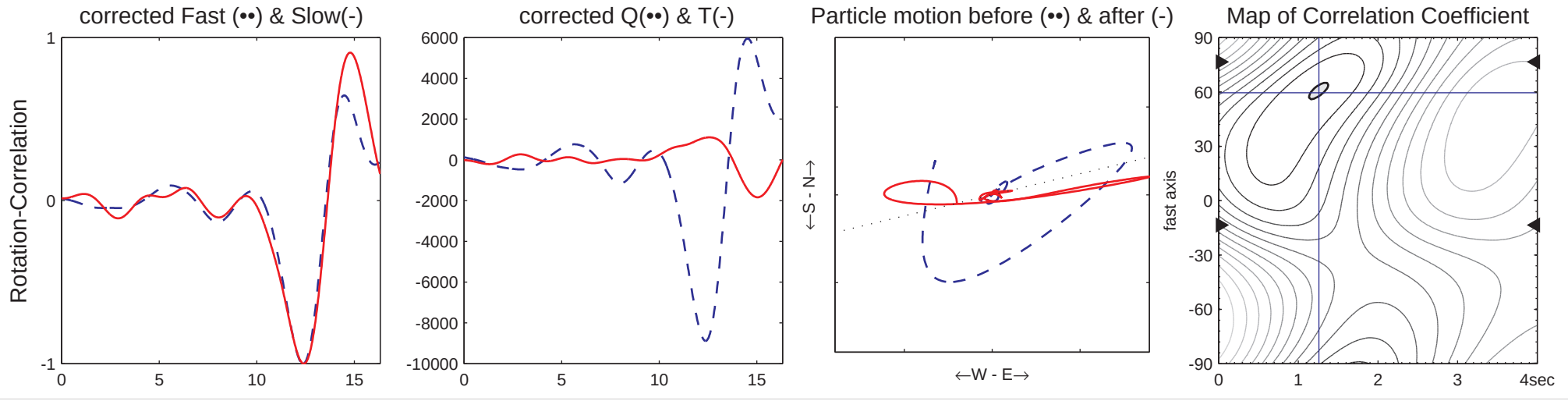
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **ERMK** Backazimuth: **256.5”** Distance: **109.78”**
init.Pol.: **90.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

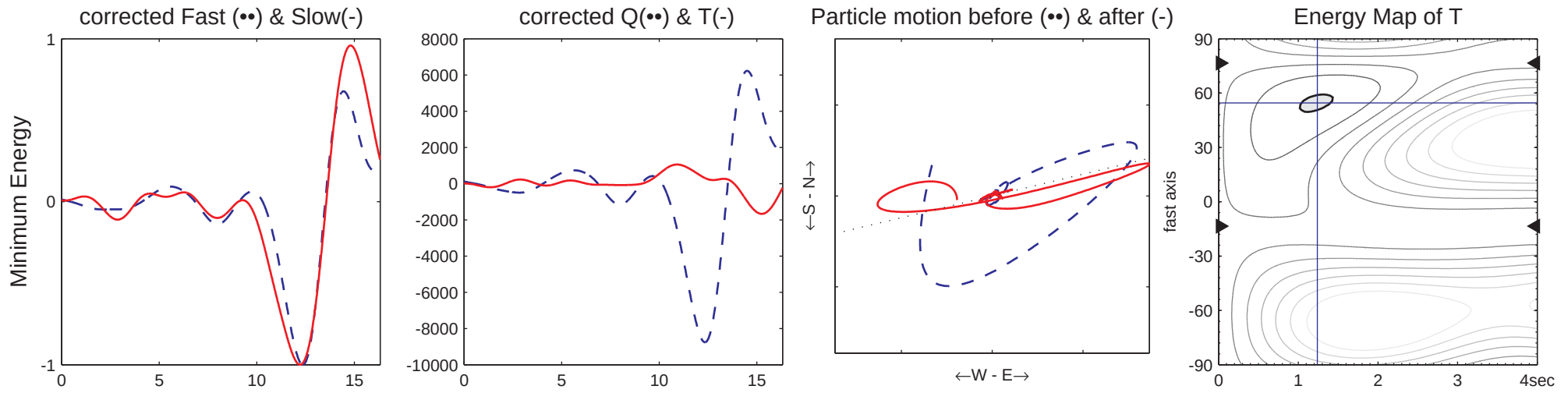
Rotation Correlation:	56<	60° <	65	1.1<1.3s<1.4
Minimum Energy:	50<	55° <	60	1.0<1.2s<1.4
Eigenvalue:	64<	65° <	68	1.4<1.4s<1.5

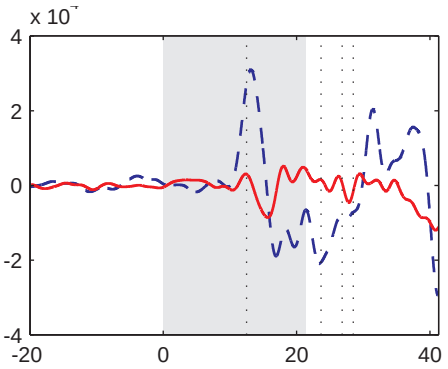
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



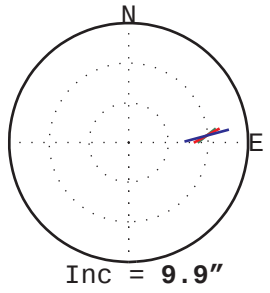


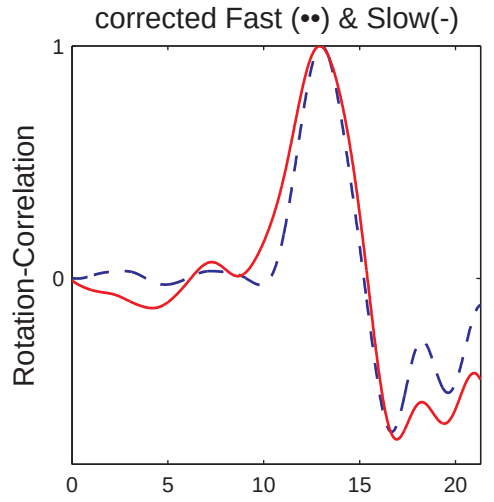


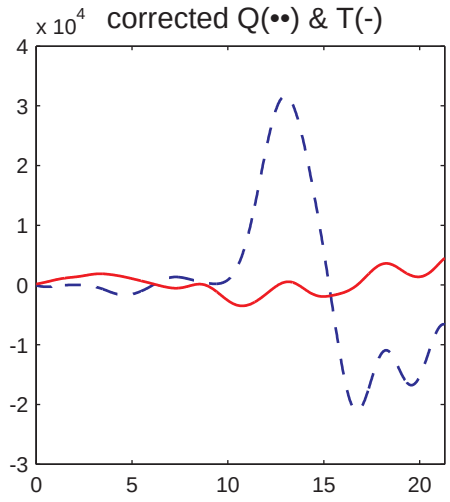
Event: **26-Jul-2007 (207) 05:40 2.82N 127.48E 25km Mw=6.9**
Station: **ERMK** Backazimuth: **85.0”** Distance: **91.98”**
init.Pol.: **273.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.3**

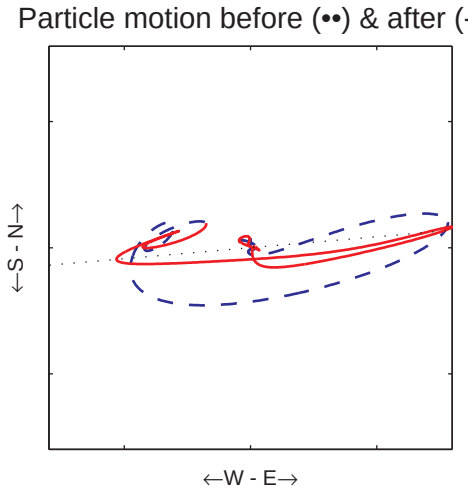
Rotation Correlation:	39<	52° <	66	0.5<0.7s<1.0
Minimum Energy:	39<	61° <	72	0.5<0.9s<1.4
Eigenvalue:	70<	75° <	80	1.2<1.4s<1.7

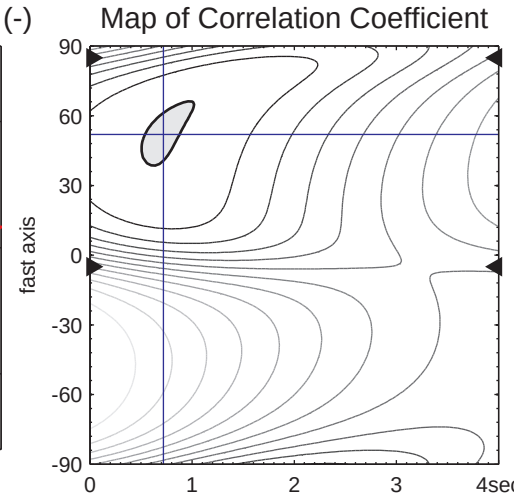
Quality: **fair** IsNull: **No** Phase: **SKS**

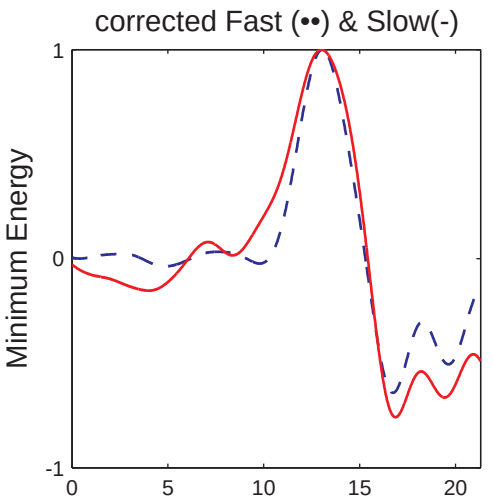


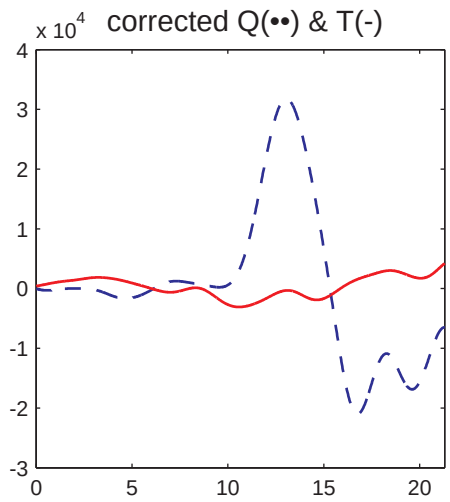


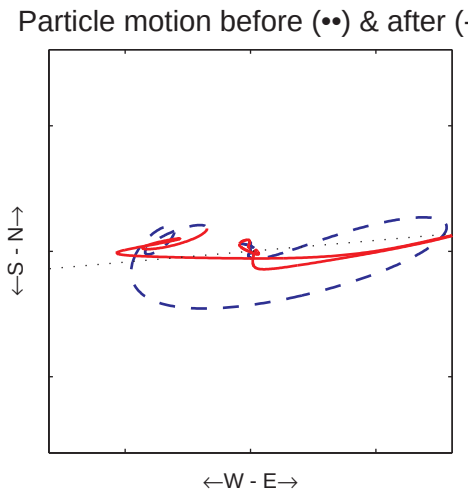


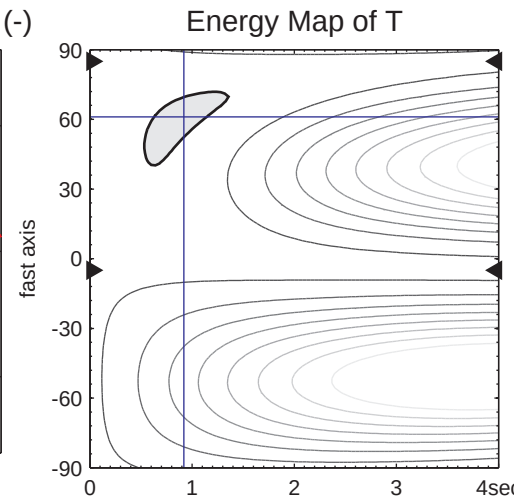


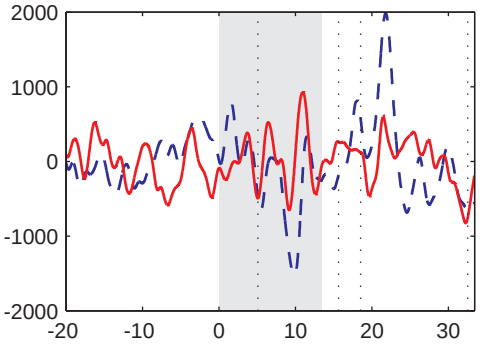








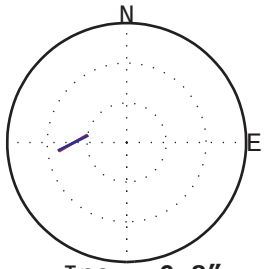


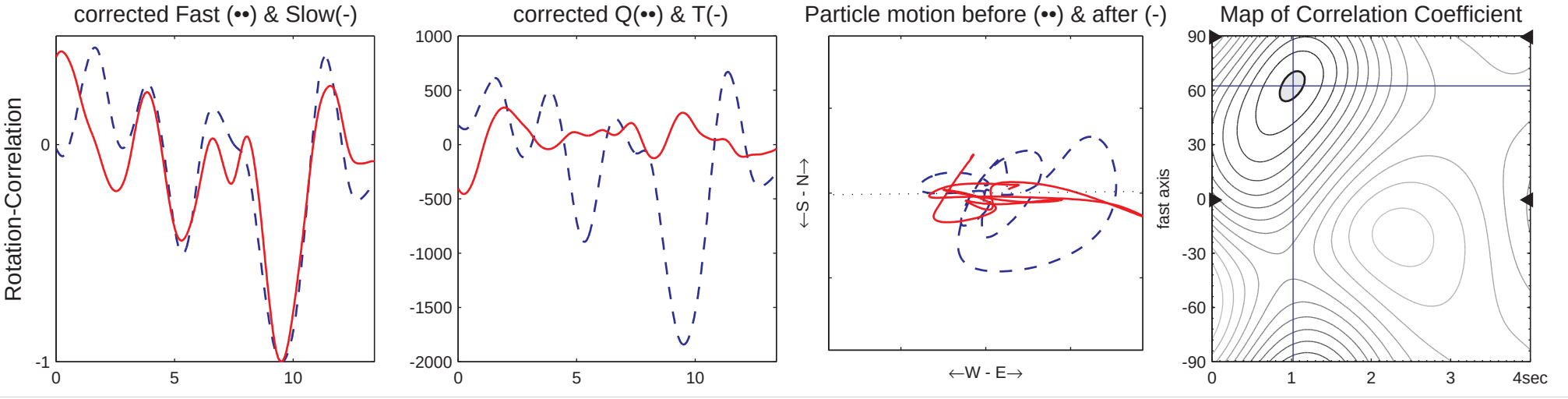


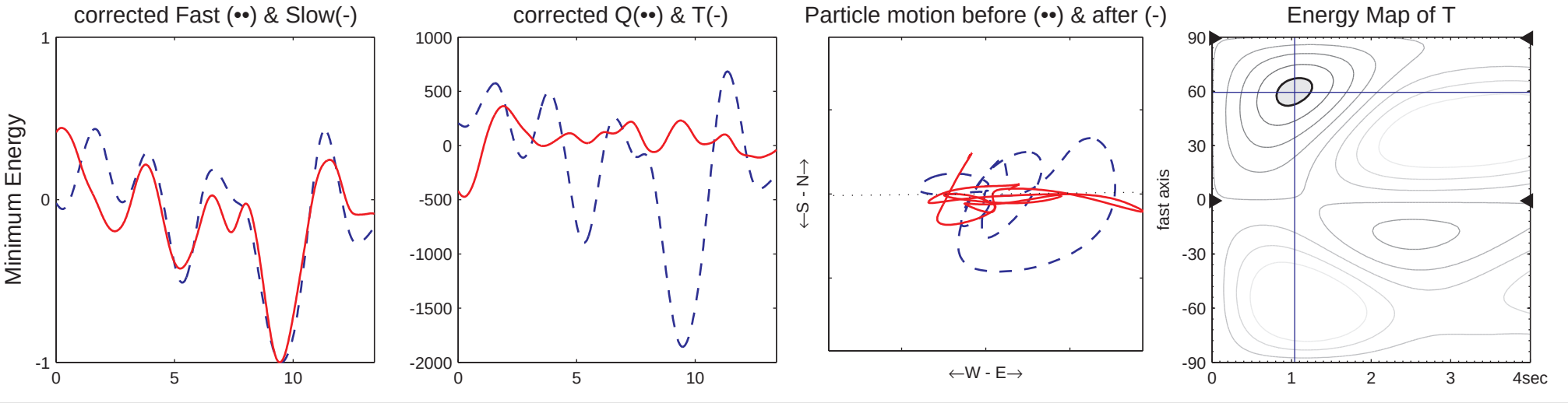
Event: **16-Aug-2007 (228) 05:16 -14.28N -76.13E 23km Mw=6.3**
Station: **ERMK** Backazimuth: **269.4”** Distance: **113.63”**
init.Pol.: **94.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

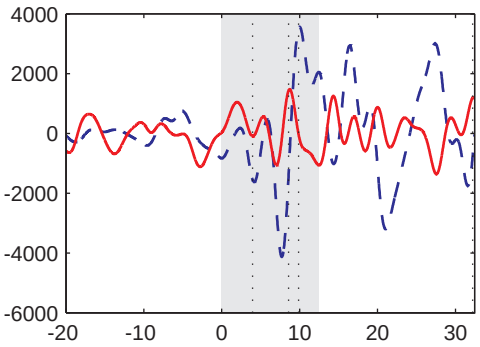
Rotation Correlation:	54<	62° <	71	0.8<1.0s<1.2
Minimum Energy:	52<	59° <	68	0.8<1.0s<1.2
Eigenvalue:	54<	63° <	74	0.8<1.1s<1.3

Quality: **good** IsNull: **No** Phase: **SKS**





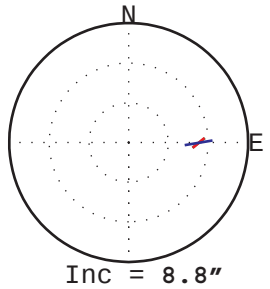


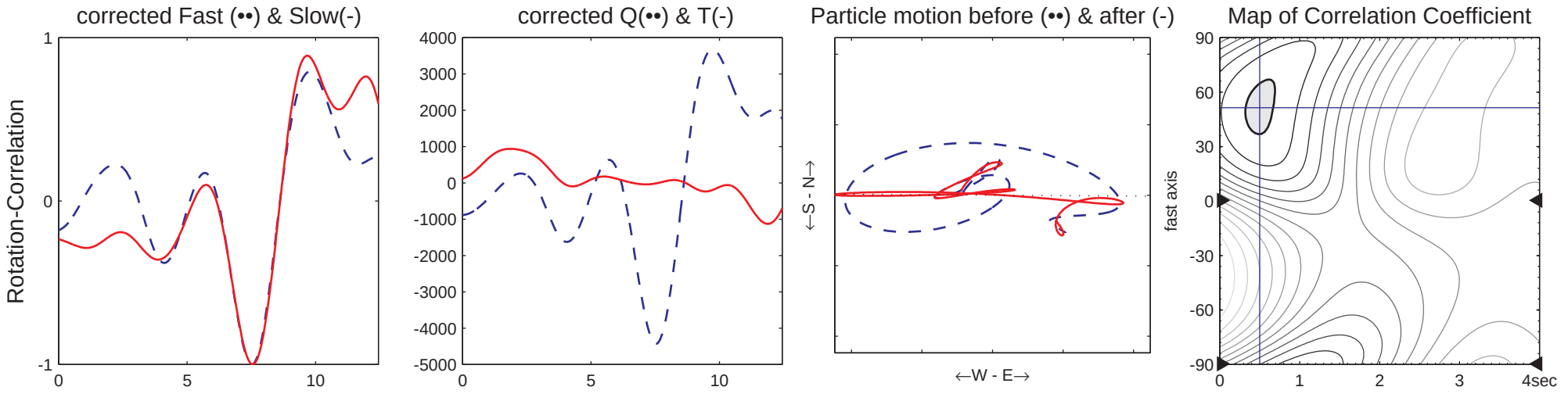


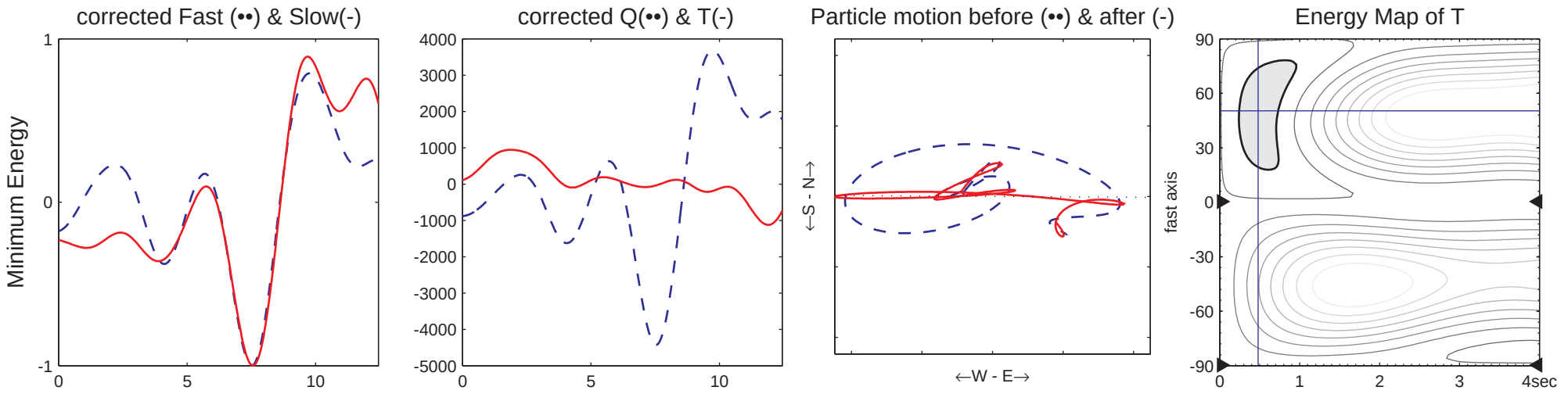
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **ERMK** Backazimuth: **90.4”** Distance: **98.36”**
init.Pol.: **282.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.5**

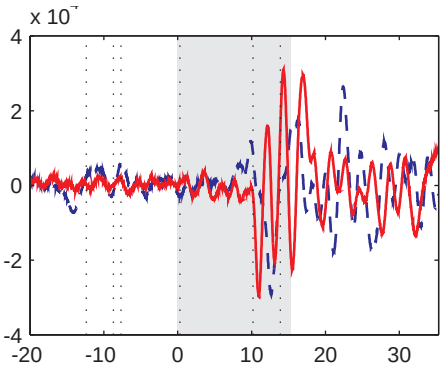
Rotation Correlation:	37<	51° <	67	0.3<0.5s<0.7
Minimum Energy:	17<	50° <	78	0.2<0.5s<1.0
Eigenvalue:	56<	80° <	-90	0.4<0.9s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





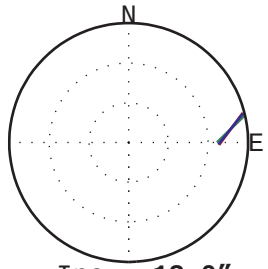




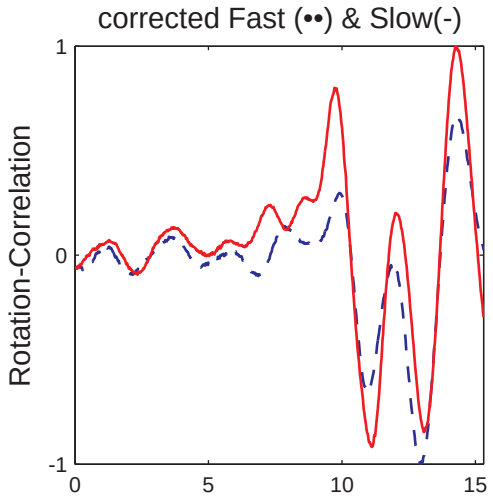
Event: **20-Aug-2007 (232) 13:46 6.13N 127.38E 8km Mw=6.5**
Station: **ERMK** Backazimuth: **82.4”** Distance: **89.91”**
init.Pol.: **265.8”** Filter: **0.000Hz - InfHz** SNR_{SC}: **6.4**

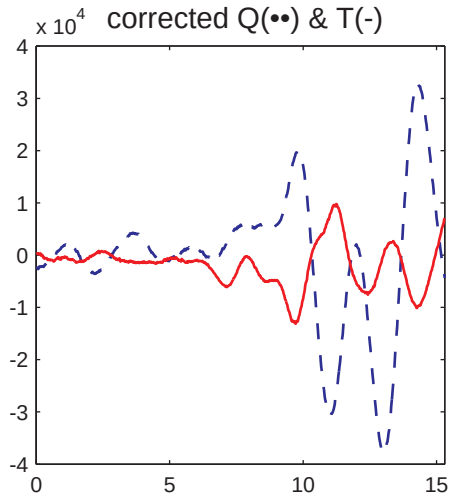
Rotation Correlation:	40<	45° <	52	1.2<1.2s<1.3
Minimum Energy:	33<	36° <	41	1.2<1.2s<1.3
Eigenvalue:	33<	38° <	46	1.2<1.2s<1.3

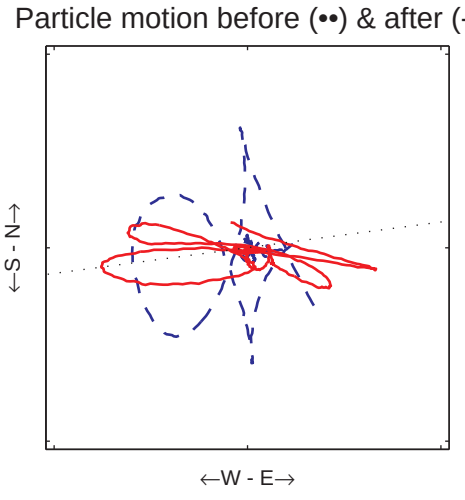
Quality: **fair** IsNull: **No** Phase: **SKKS**

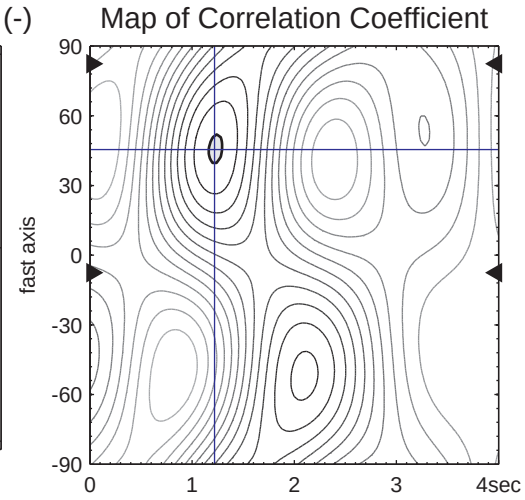


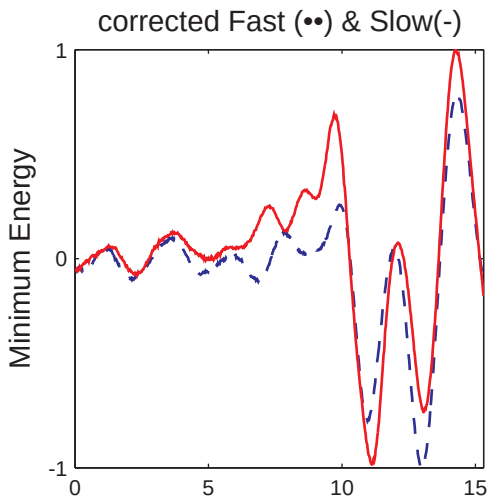
Inc = **13.0”**

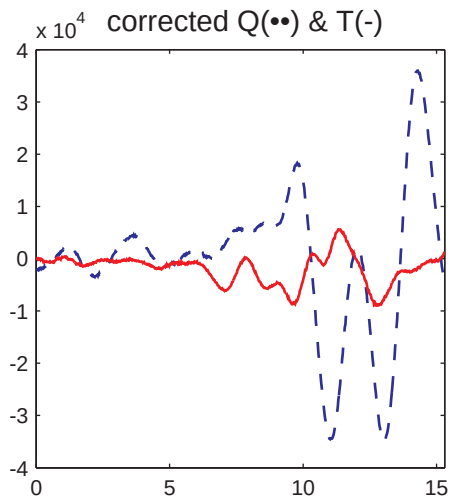


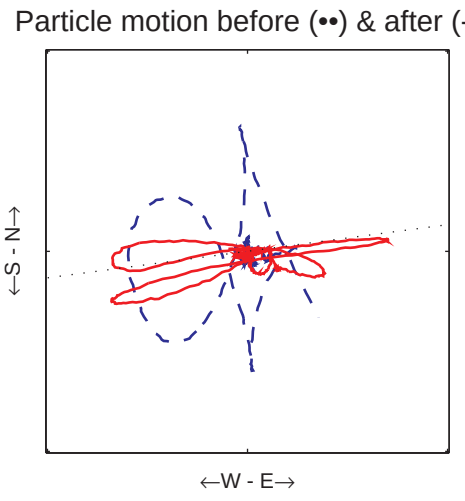


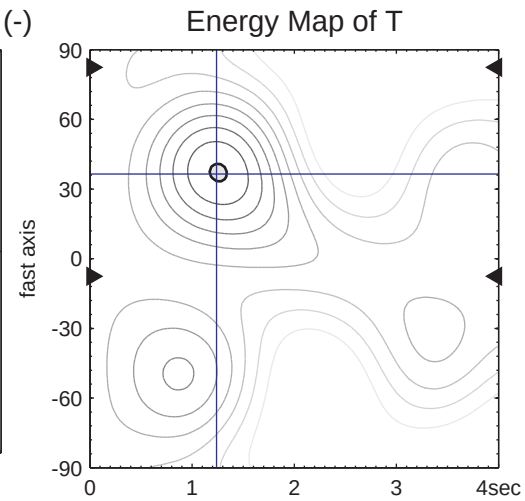


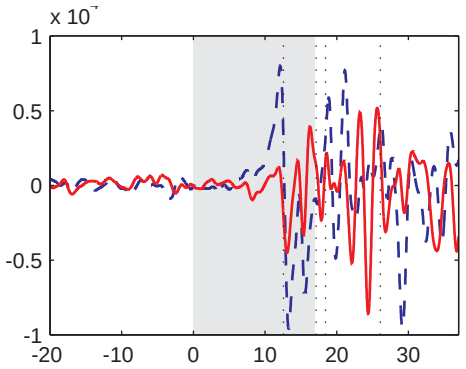








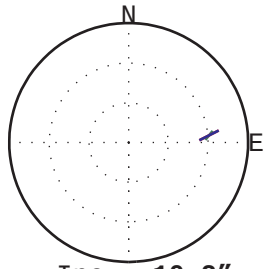


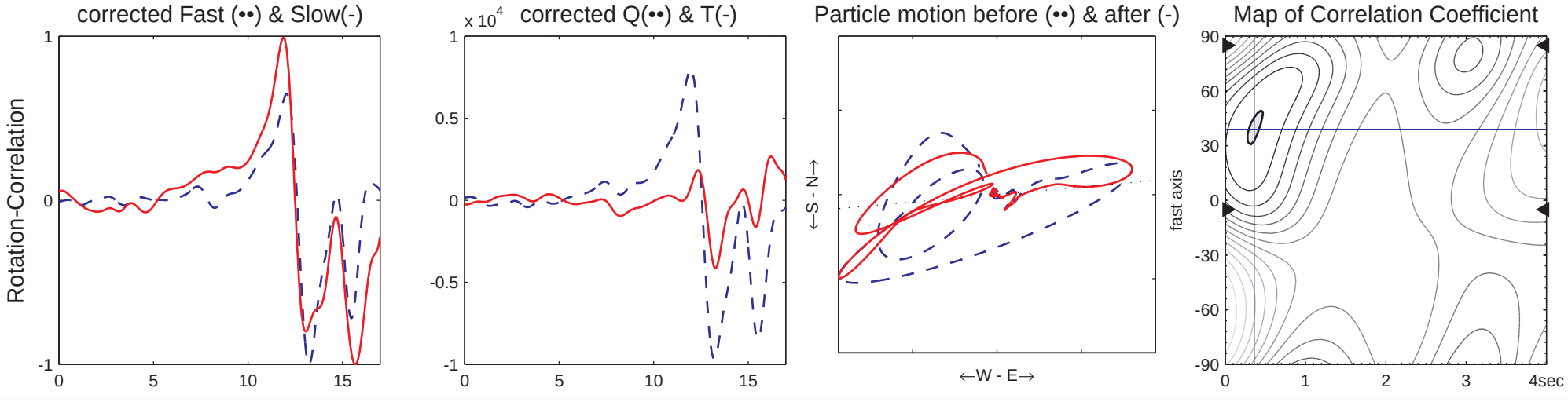


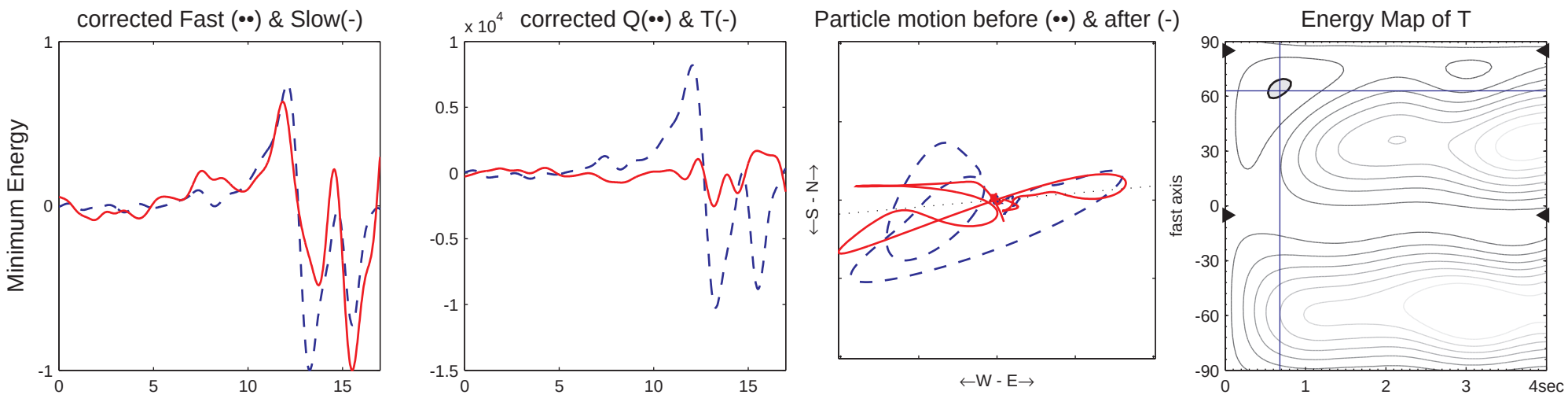
Event: **13-Sep-2007 (256) 09:48 3.79N 126.31E 10km Mw=6.3**
Station: **ERMK** Backazimuth: **84.9”** Distance: **90.46”**
init.Pol.: **263.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.9**

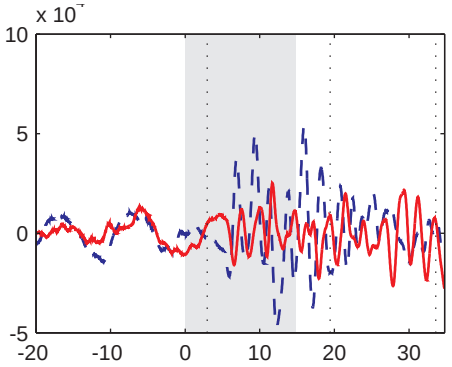
Rotation Correlation:	31<	39° <	49	0.3<0.4s<0.5
Minimum Energy:	60<	63° <	70	0.5<0.7s<0.8
Eigenvalue:	54<	63° <	70	0.5<0.7s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





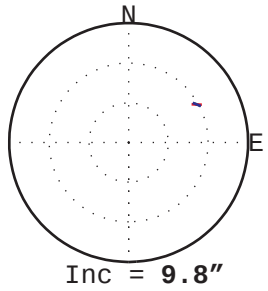


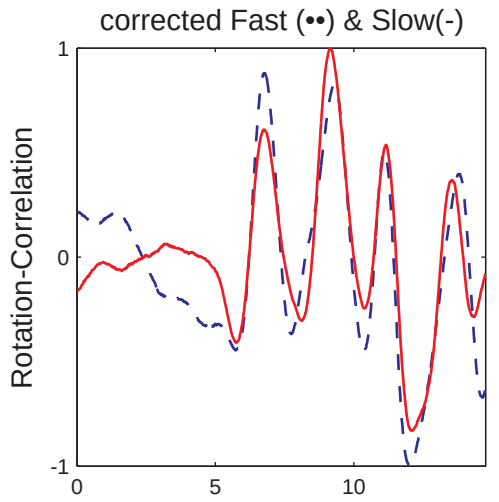


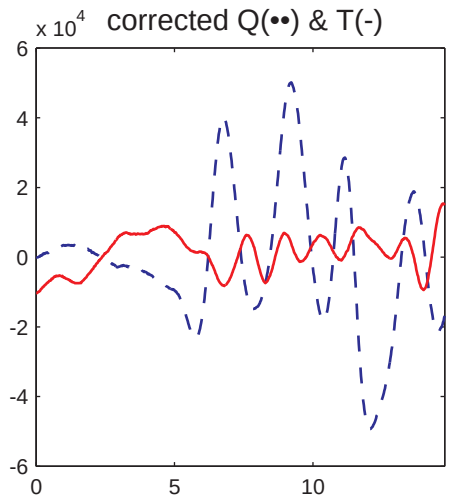
Event: **28-Sep-2007 (271) 13:38 21.99N 142.68E 272km Mw=7.4**
Station: **ERMK** Backazimuth: **60.8”** Distance: **91.61”**
init.Pol.: **246.4”** Filter: **0.000Hz - InfHz** SNR_{SC}: **4.6**

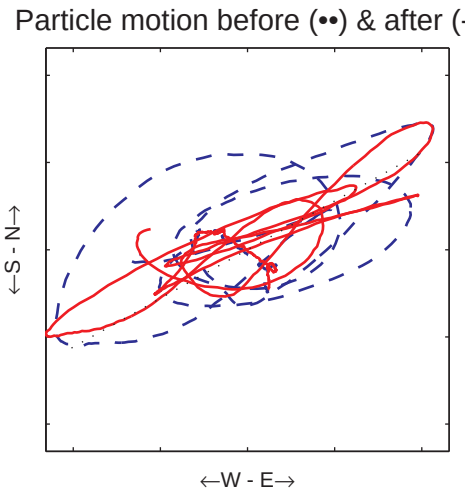
Rotation Correlation:	-77<	-69° <	-62	0.2<0.3s<0.3
Minimum Energy:	80<	-87° <	-70	0.2<0.3s<0.4
Eigenvalue:	78<	-69° <	-37	0.2<0.3s<0.5

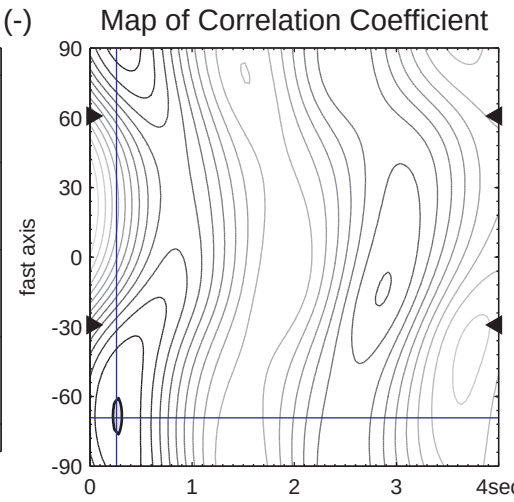
Quality: **fair** IsNull: **No** Phase: **SKS**

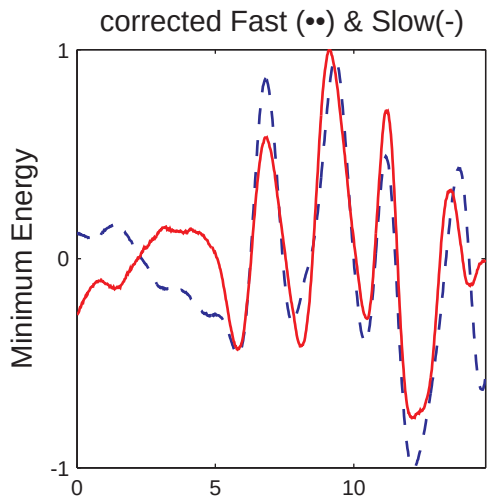


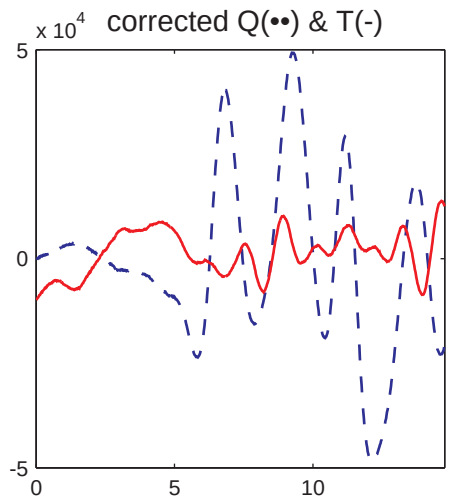


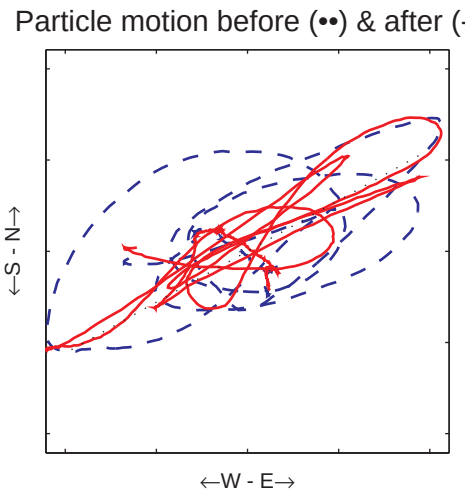


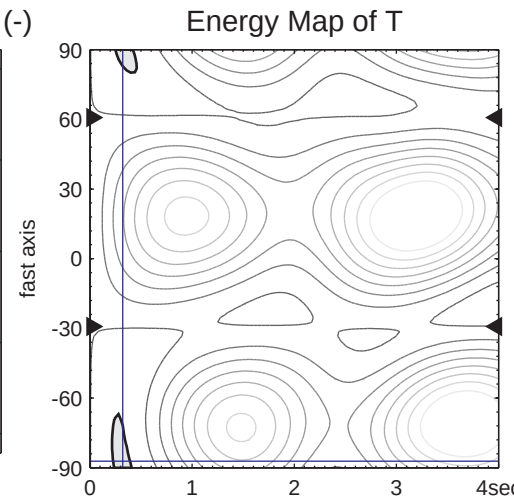


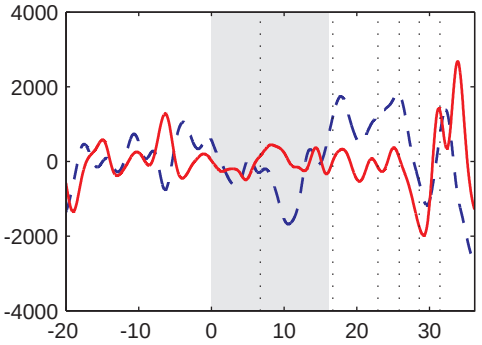








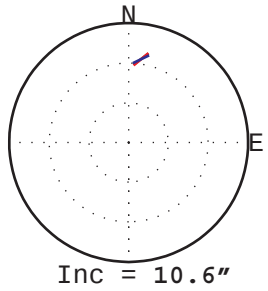


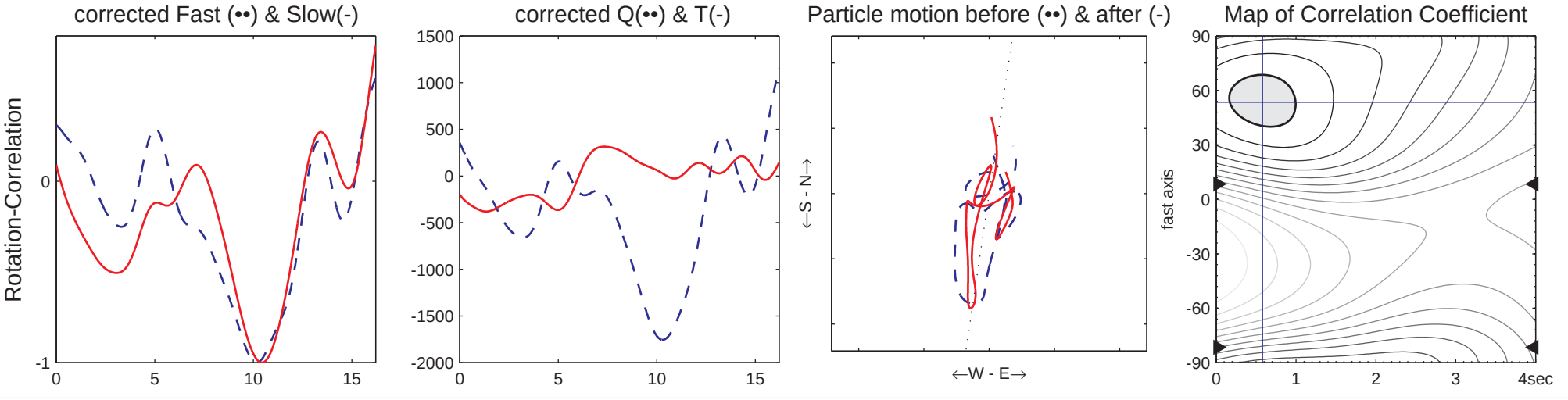


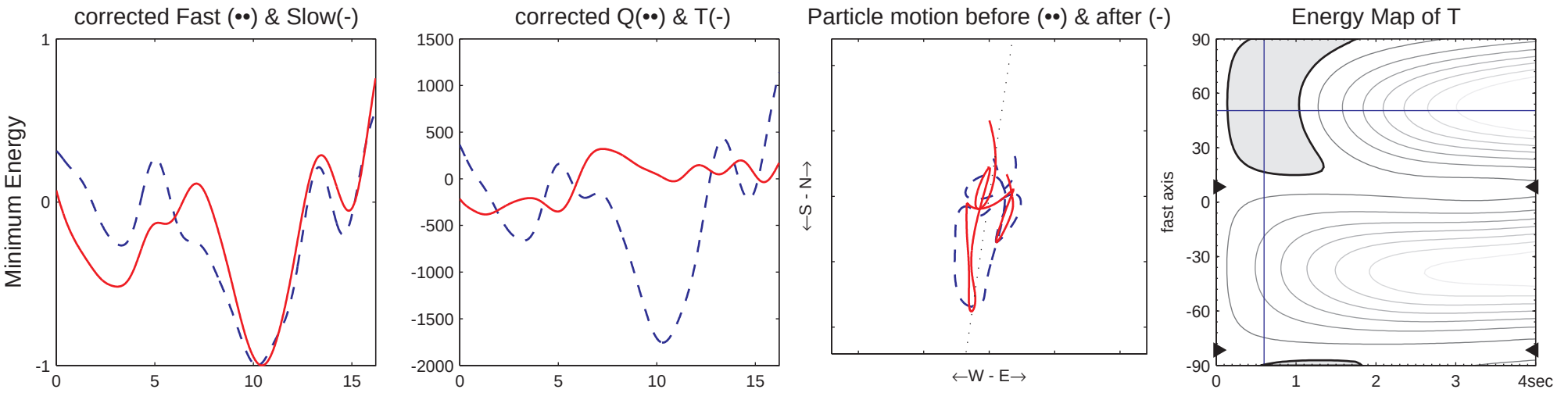
Event: 02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3
Station: ERMK Backazimuth: 8.5” Distance: 87.91”
init.Pol.: 193.7” Filter: 0.010Hz - 0.40Hz SNR_{SC}: 4.1

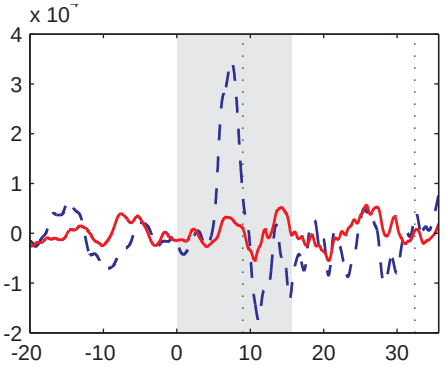
Rotation Correlation:	40<	53° <	69	0.2<0.6s<1.0
Minimum Energy:	15<	50° <	-90	0.1<0.6s<1.8
Eigenvalue:	15<	64° <	-76	0.1<0.6s<2.4

Quality: **fair** IsNull: **No** Phase: **SKS**





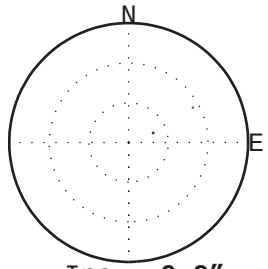


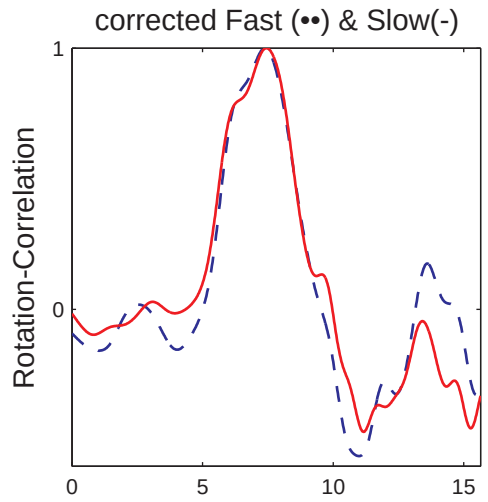


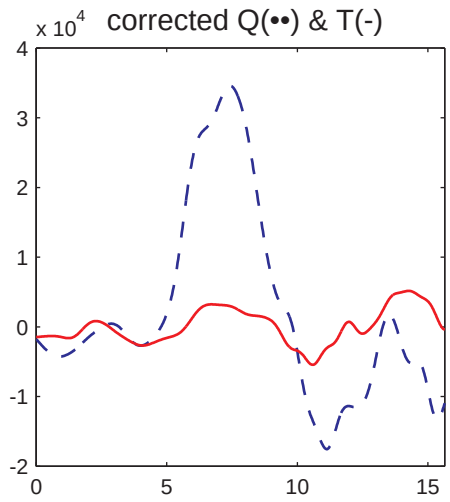
Event: **31-Oct-2007 (304) 03:30 18.90N 145.39E 207km Mw=7.2**
Station: **ERMK** Backazimuth: **61.4”** Distance: **95.56”**
init.Pol.: **243.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.5**

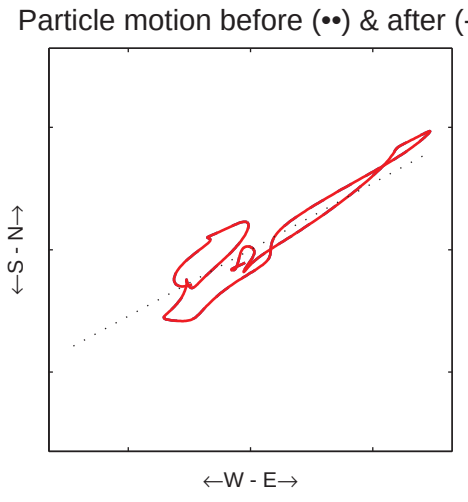
Rotation Correlation:	-10<	11° <	33	0.0<0.0s<0.3
Minimum Energy:	54<	57° <	60	1.3<3.0s<4.0
Eigenvalue:	52<	57° <	64	0.6<3.0s<4.0

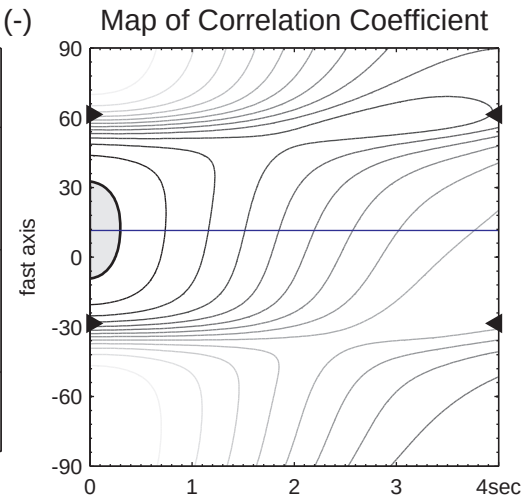
Quality: **good** IsNull: **Yes** Phase: **SKS**

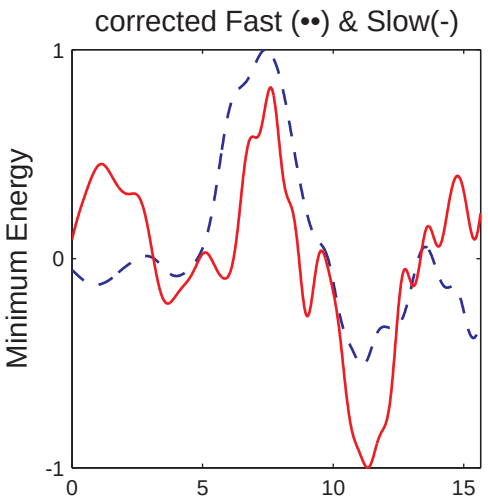


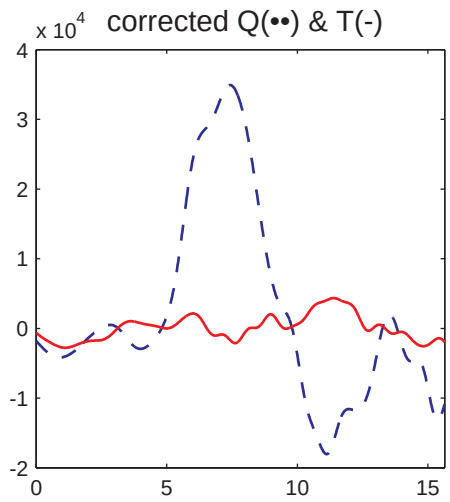


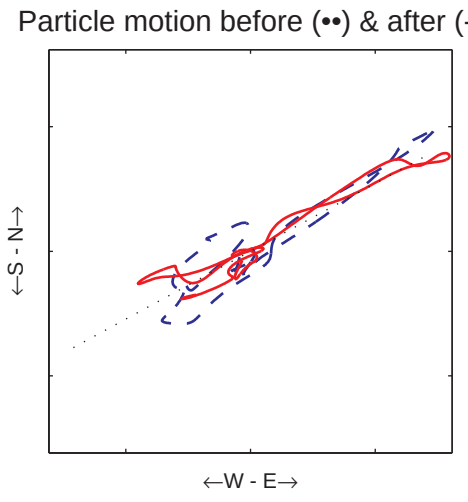


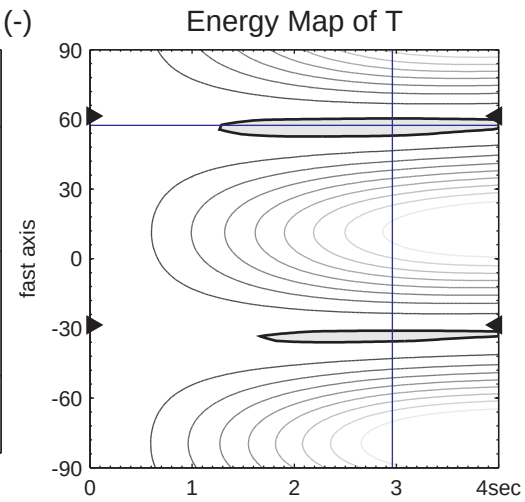


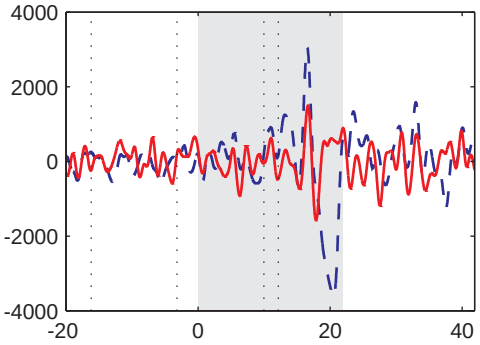








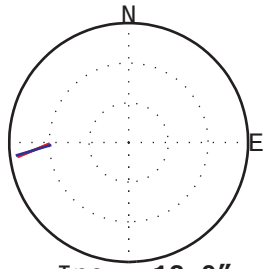




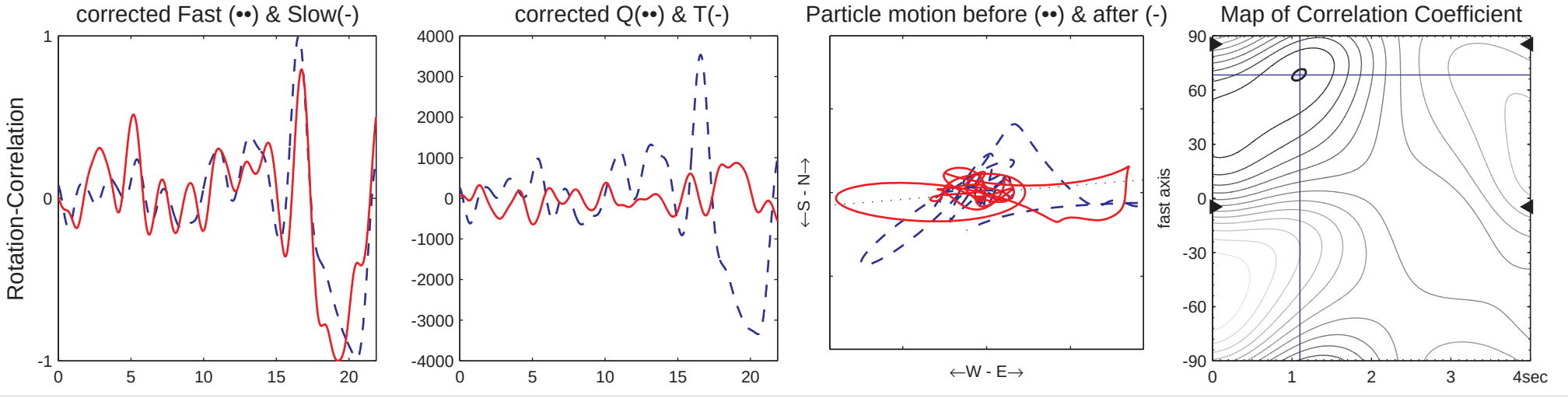
Event: **08-Jul-2008 (190) 09:13 -15.99N -71.75E 123km Mw=6.2**
Station: **ERMK** Backazimuth: **265.3”** Distance: **111.07”**
init.Pol.: **94.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.0**

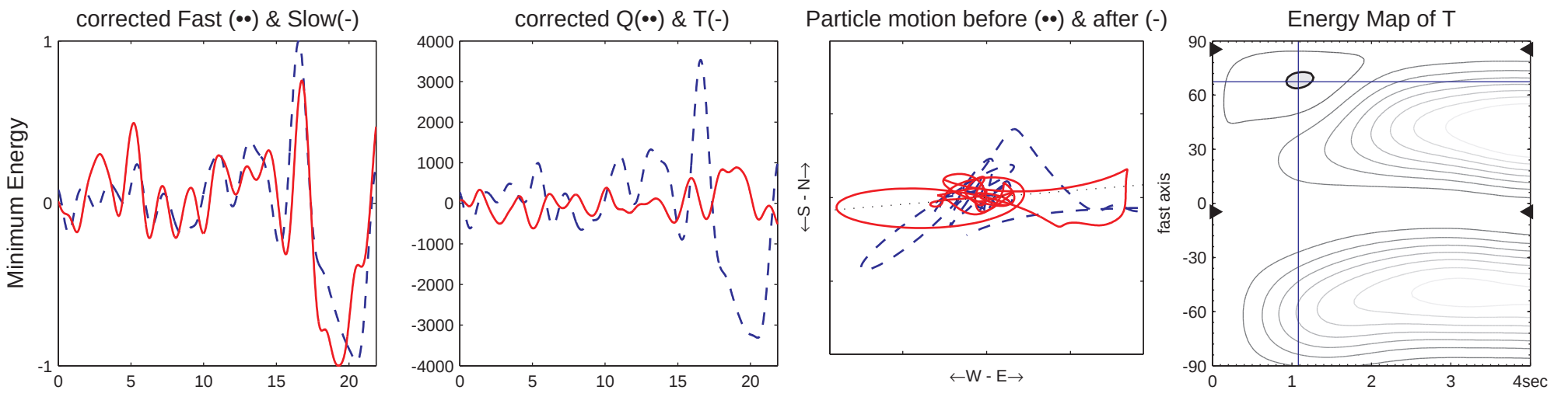
Rotation Correlation:	65<	68° <	72	1.0<1.1s<1.2
Minimum Energy:	64<	67° <	72	0.9<1.1s<1.3
Eigenvalue:	70<	73° <	80	1.0<1.2s<1.3

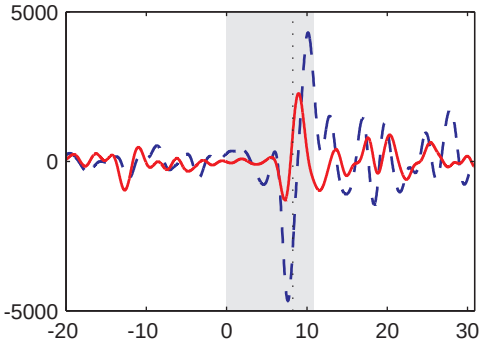
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



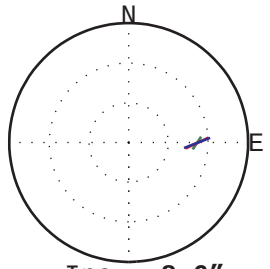




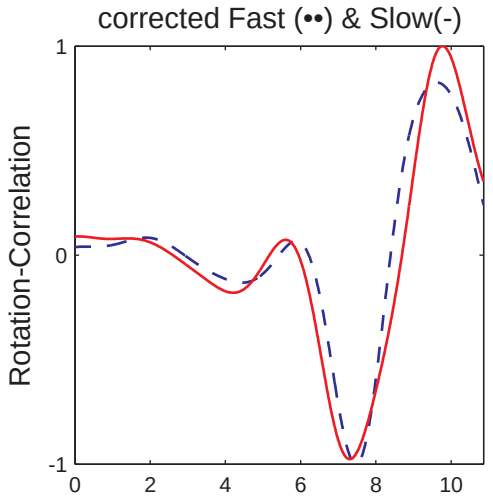
Event: **04-Aug-2008 (217) 20:45 -5.92N 130.19E 173km Mw=6.3**
Station: **ERMK** Backazimuth: **90.4”** Distance: **99.36”**
init.Pol.: **273.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.1**

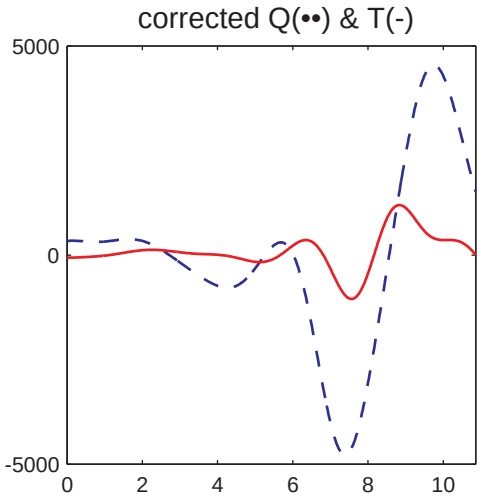
Rotation Correlation:	24<	33° <	44	0.4<0.5s<0.6
Minimum Energy:	62<	64° <	68	0.7<0.8s<0.9
Eigenvalue:	64<	68° <	76	0.8<0.9s<1.0

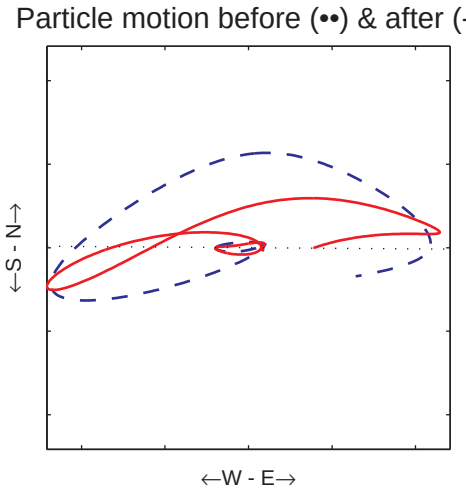
Quality: **fair** IsNull: **No** Phase: **SKS**

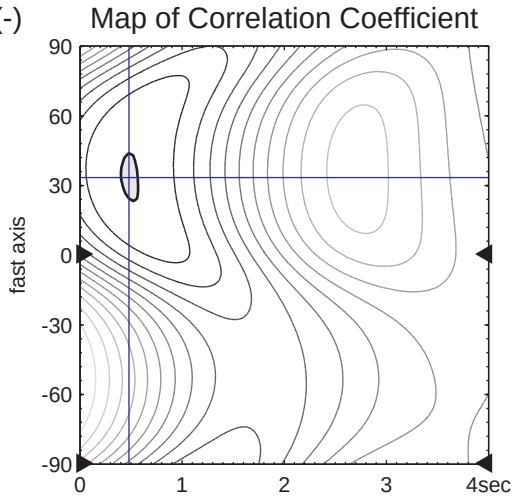


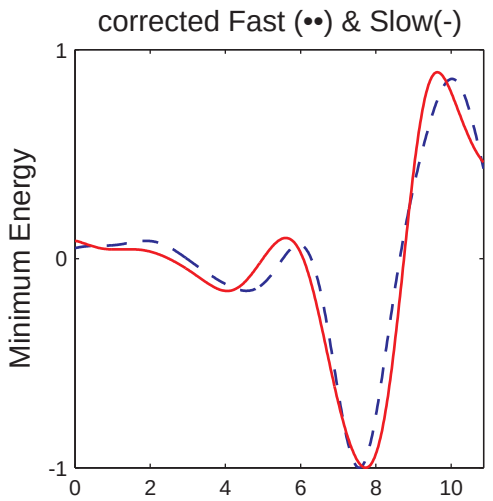
Inc = **8.6”**

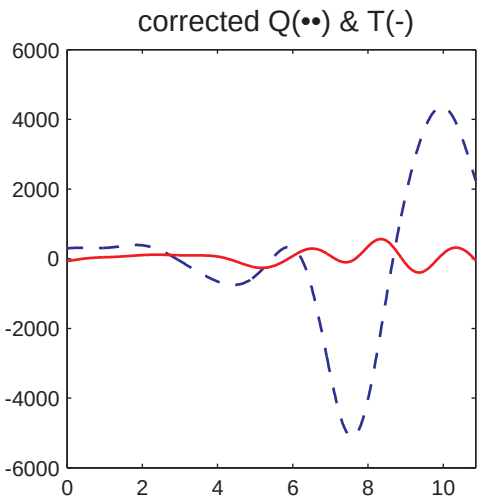


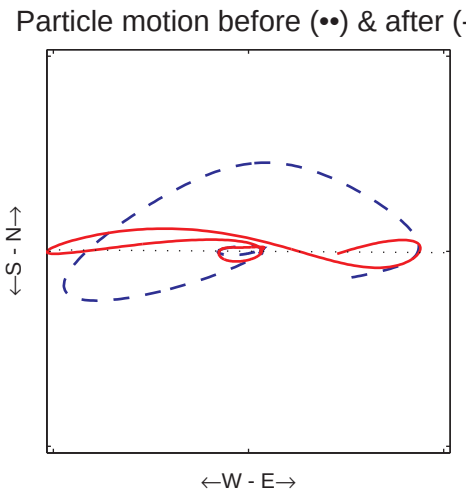


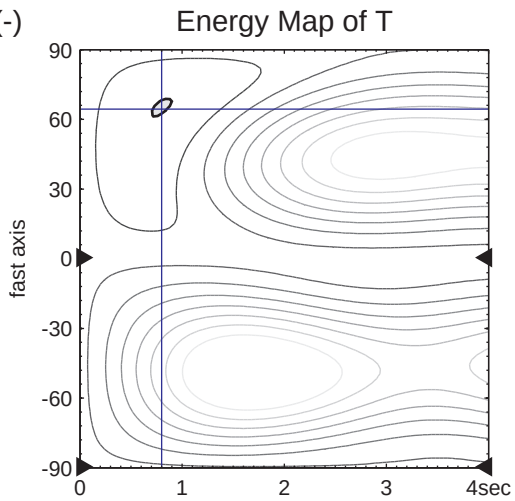


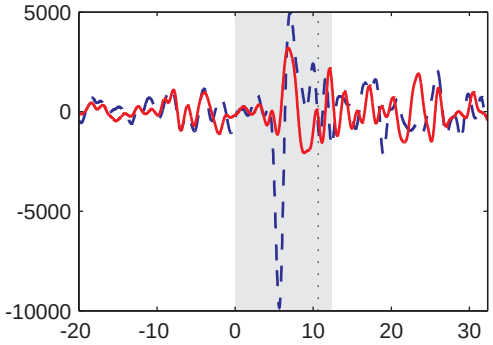








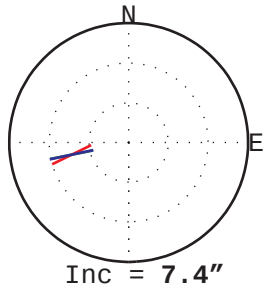


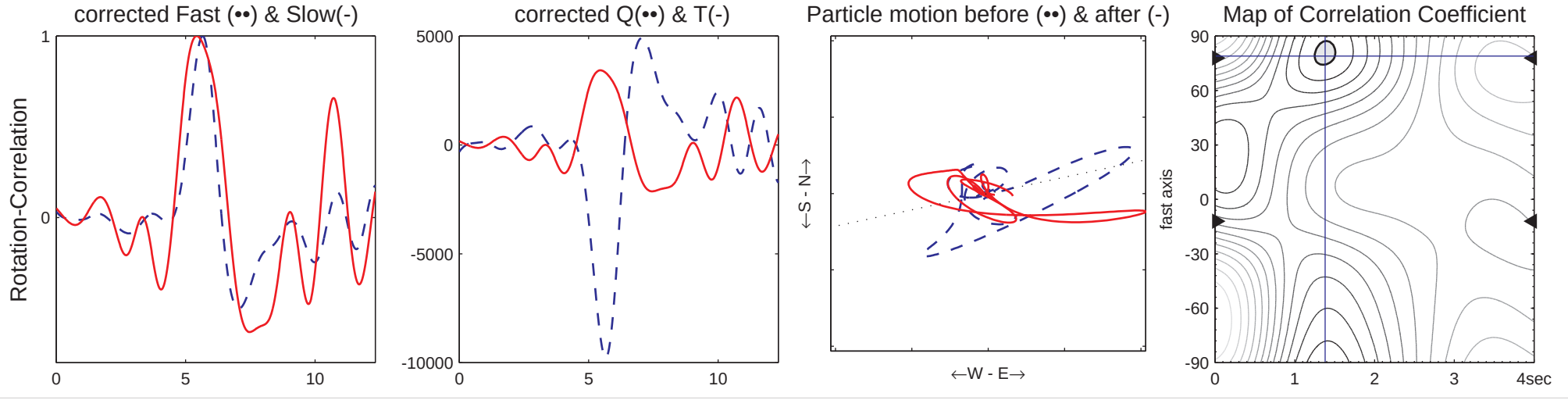


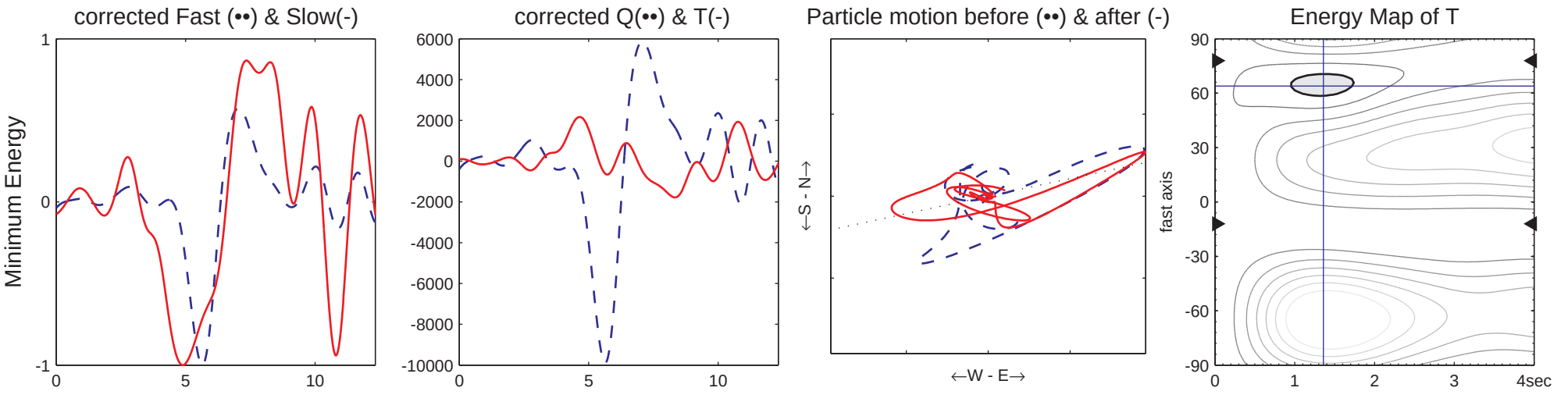
Event: **12-Oct-2008 (286) 20:55 -20.12N -64.97E 352km** Mw=**6.2**
Station: **ERMK** Backazimuth: **257.9”** Distance: **107.98”**
init.Pol.: **100.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.4**

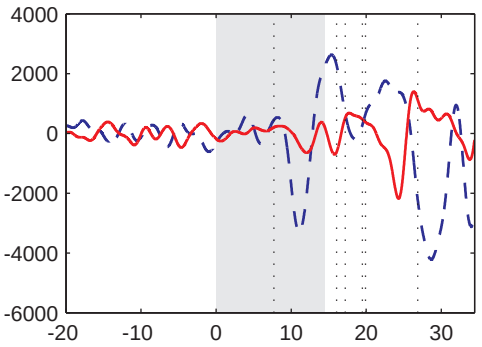
Rotation Correlation:	74<	79° <	87	1.2<1.4s<1.5
Minimum Energy:	58<	64° <	70	1.0<1.4s<1.8
Eigenvalue:	70<	78° <	86	1.2<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





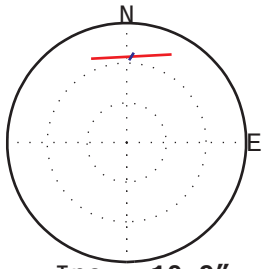




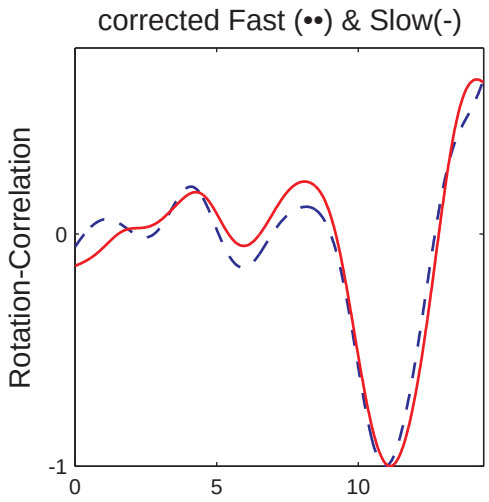
Event: **30-Mar-2009 (089) 07:13 56.55N -152.74E 21km Mw=6.0**
Station: **ERMK** Backazimuth: **3.1”** Distance: **86.69”**
init.Pol.: **173.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.7**

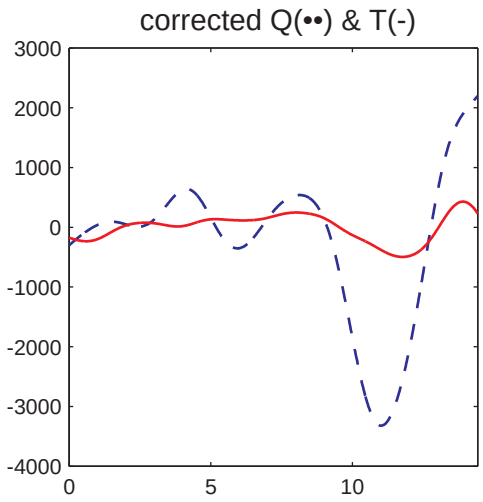
Rotation Correlation:	32<	40° <	51	0.0<0.1s<0.2
Minimum Energy:	88<	87° <	-92	1.7<2.5s<3.6
Eigenvalue:	11<	31° <	66	0.2<0.3s<0.4

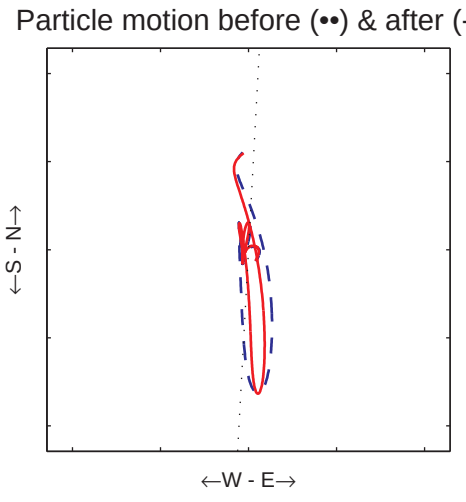
Quality: **good** IsNull: **Yes** Phase: **SKS**

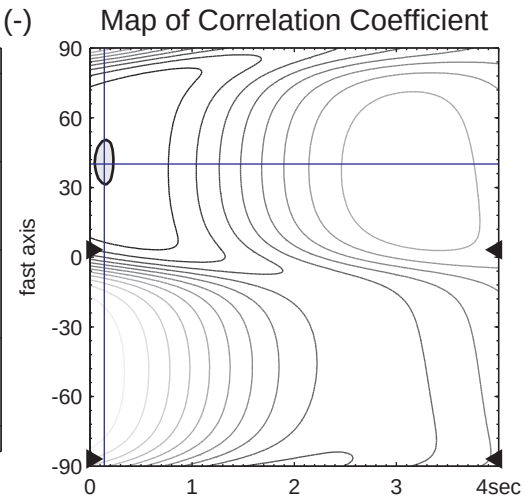


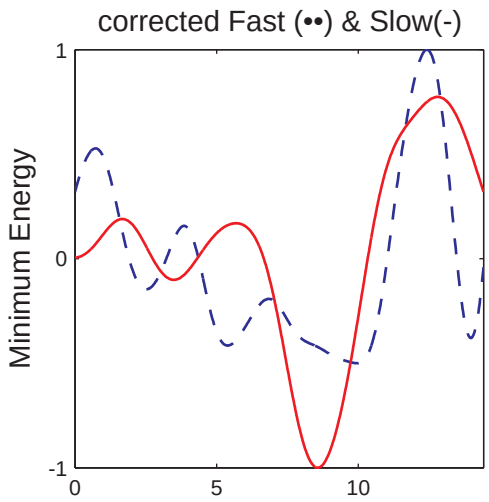
Inc = **10.9”**

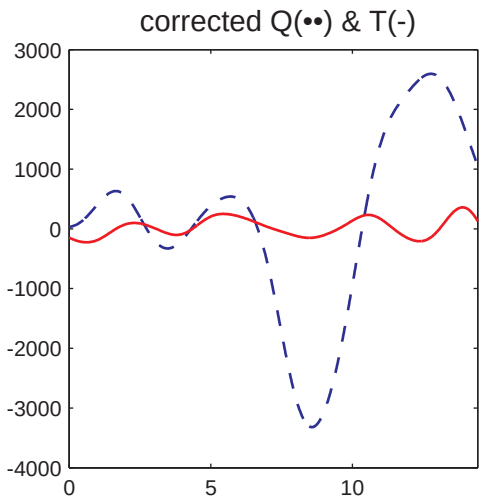


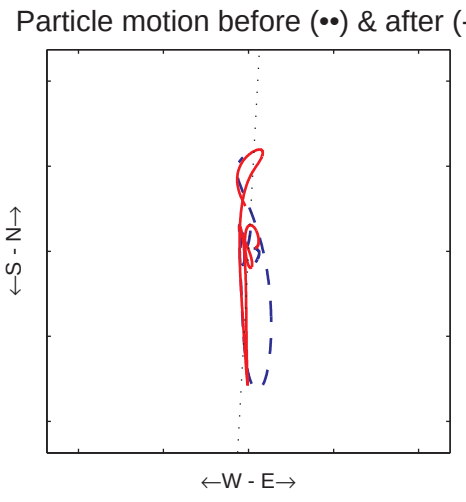


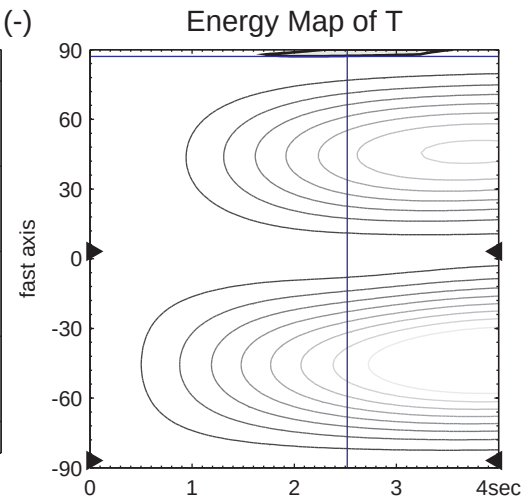


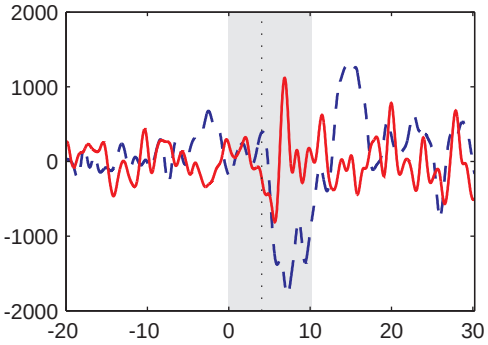








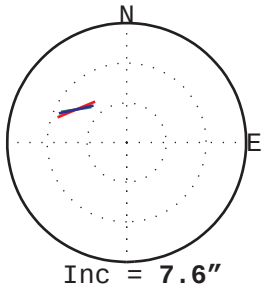


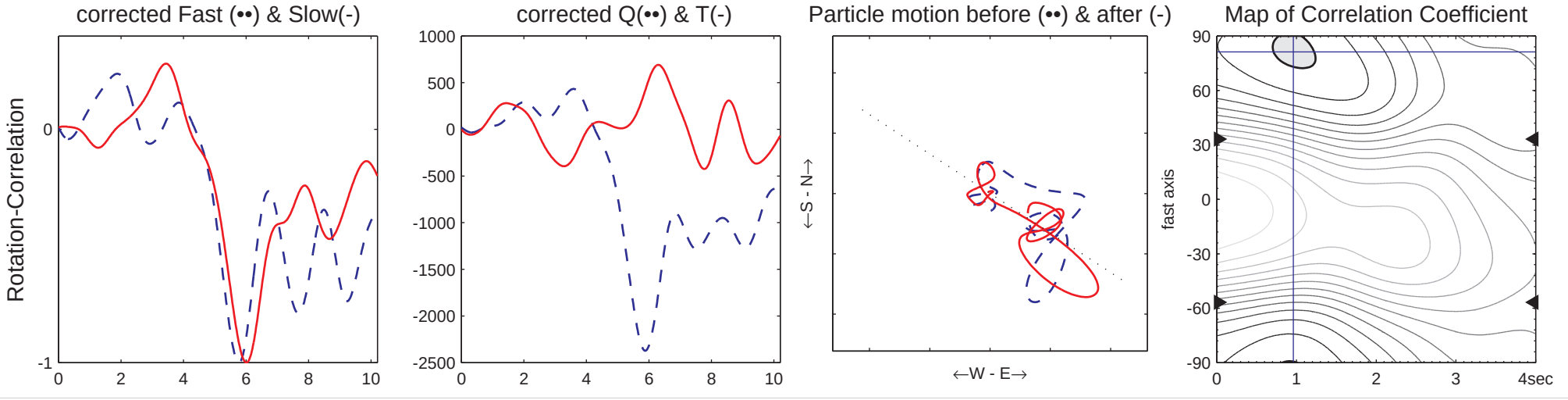


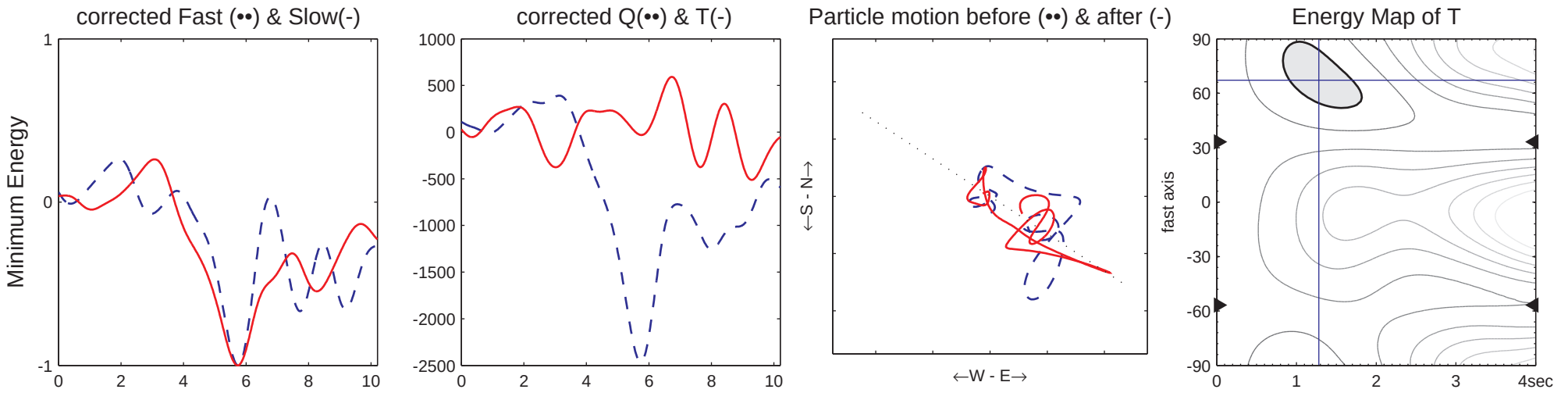
Event: **03-May-2009 (123) 16:21 14.55N -91.14E 108km Mw=6.3**
Station: **ERMK** Backazimuth: **303.2”** Distance: **106.56”**
init.Pol.: **128.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.8**

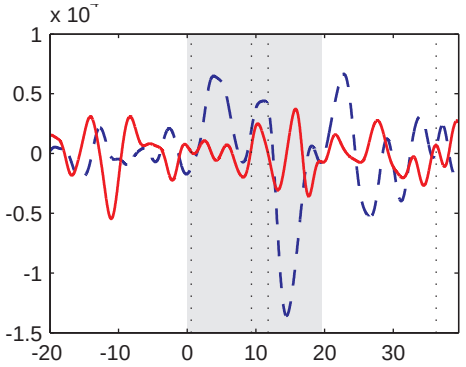
Rotation Correlation:	72<	81° < -90	0.7<1.0s<1.2
Minimum Energy:	52<	67° < 88	0.8<1.3s<1.8
Eigenvalue:	50<	77° < -82	0.8<1.1s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





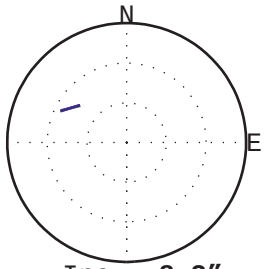


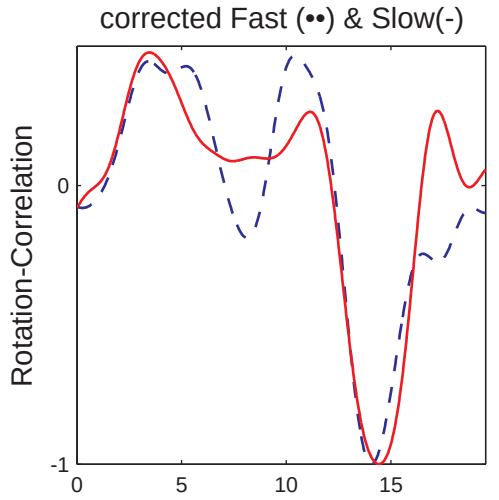


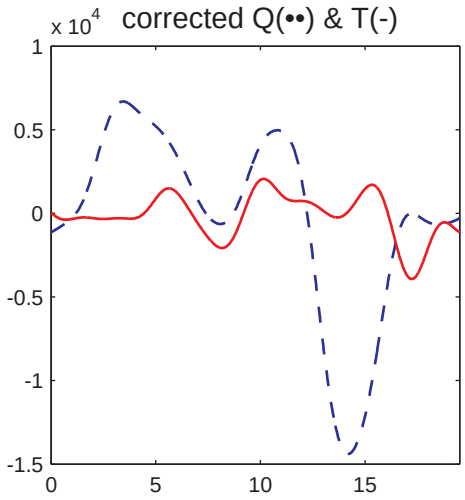
Event: **28-May-2009 (148) 08:24 16.73N -86.22E 19km Mw=7.3**
Station: **ERMK** Backazimuth: **301.3”** Distance: **101.67”**
init.Pol.: **120.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

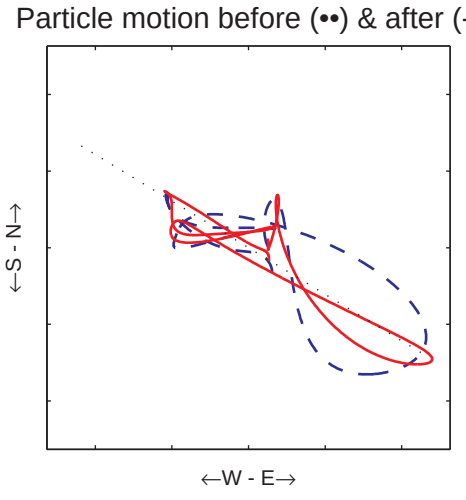
Rotation Correlation:	61<	76° < -90	0.2<0.6s<1.0
Minimum Energy:	37<	73° < -68	0.2<0.6s<1.6
Eigenvalue:	33<	73° < -64	0.2<0.6s<1.7

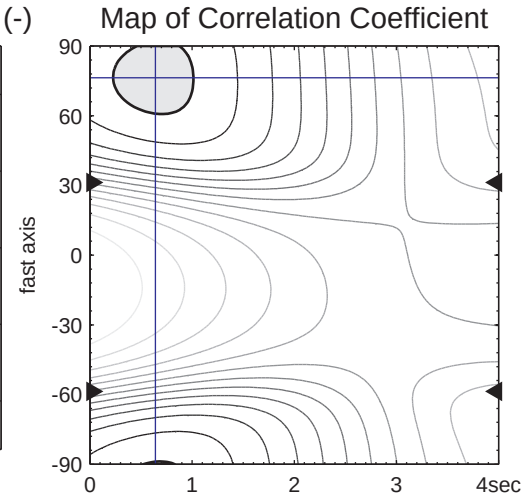
Quality: **good** IsNull: **No** Phase: **SKS**

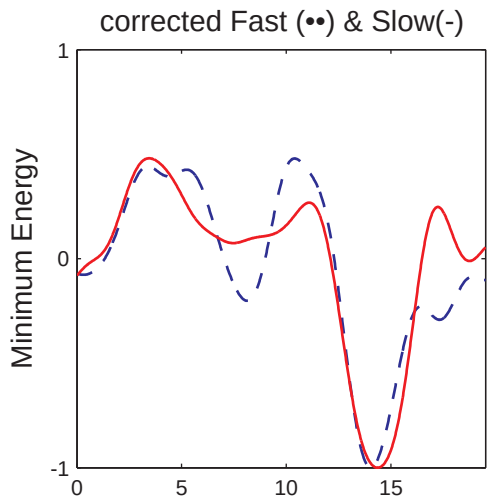


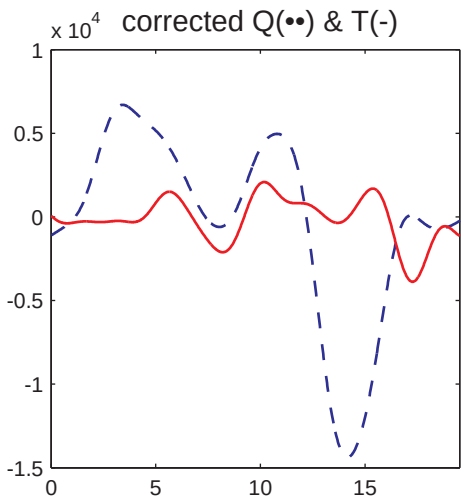


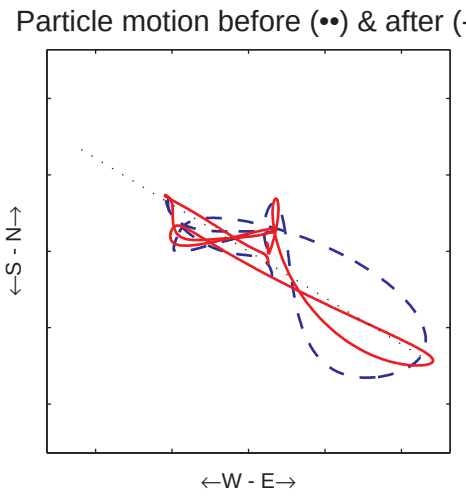


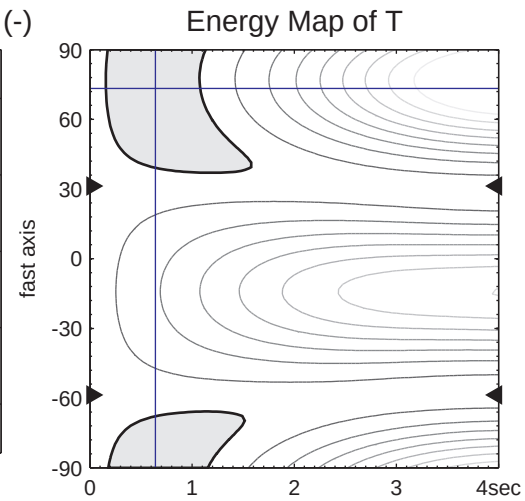


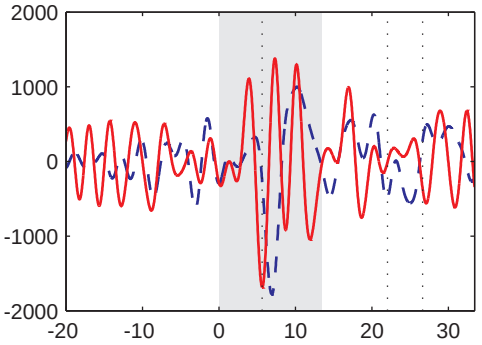








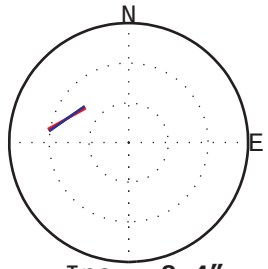


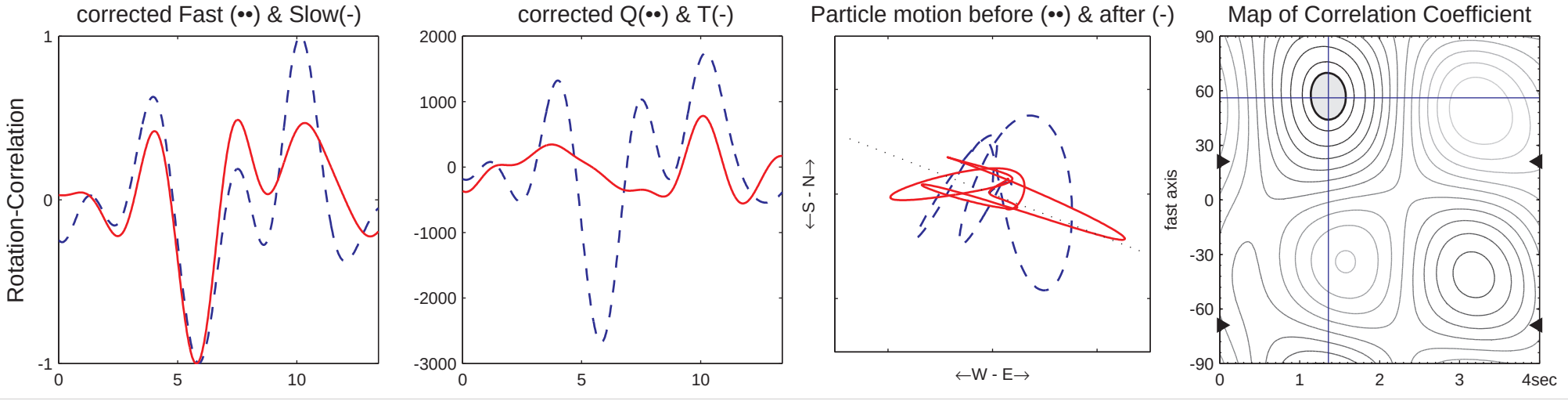


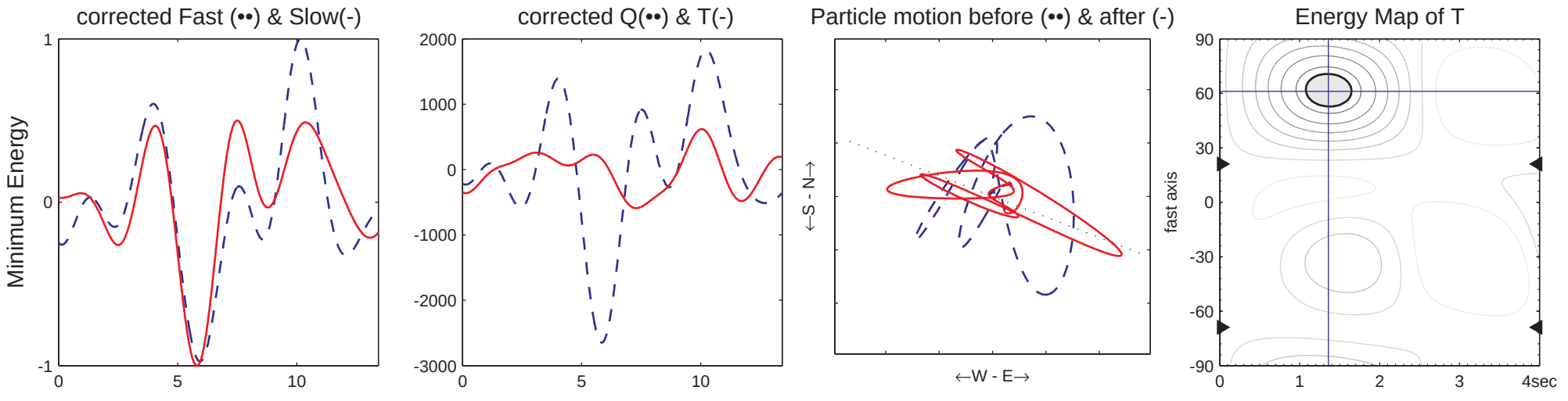
Event: **04-Jul-2009 (185) 06:49 9.59N -78.97E 38km Mw=6.1**
Station: **ERMK** Backazimuth: **291.1”** Distance: **101.27”**
init.Pol.: **101.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

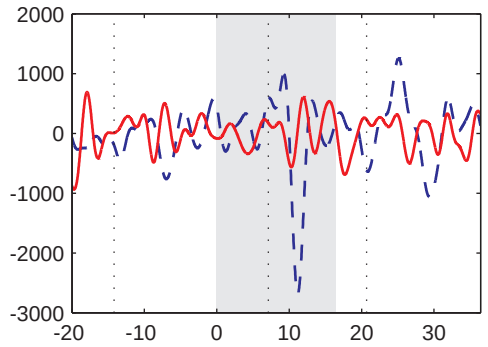
Rotation Correlation:	44<	56° <	70	1.1<1.4s<1.6
Minimum Energy:	54<	61° <	70	1.1<1.4s<1.6
Eigenvalue:	39<	55° <	72	1.1<1.4s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





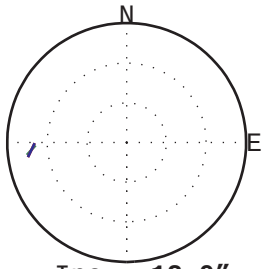




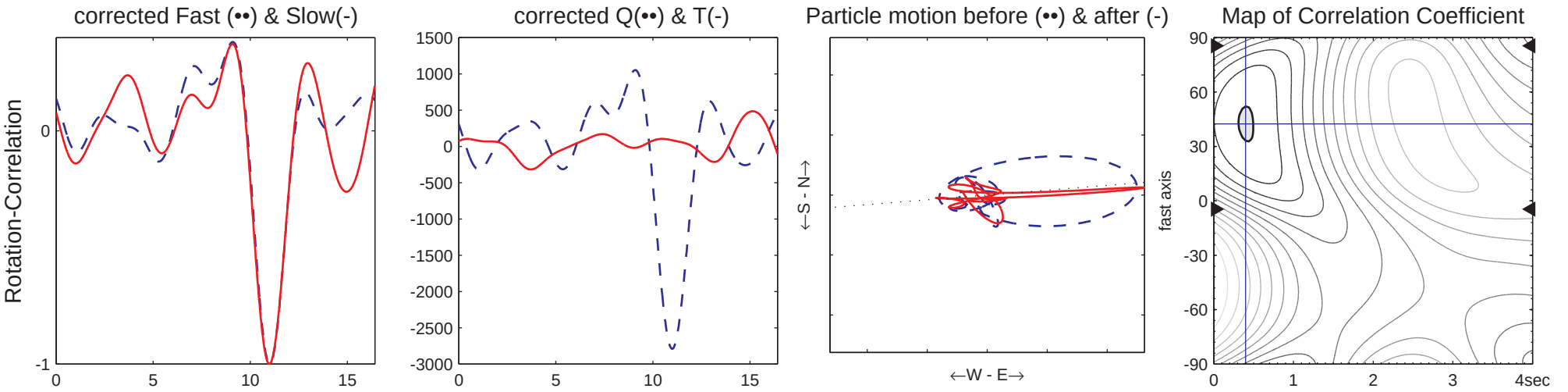
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **ERMK** Backazimuth: **265.4”** Distance: **109.50”**
init.Pol.: **85.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.3**

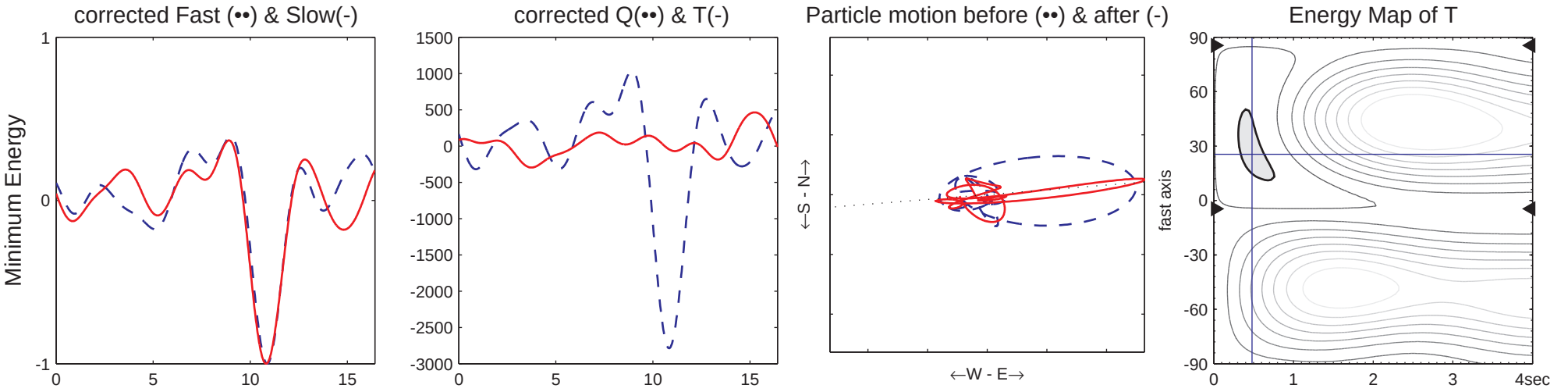
Rotation Correlation:	33<	42° <	52	0.3<0.4s<0.5
Minimum Energy:	11<	25° <	50	0.3<0.5s<0.8
Eigenvalue:	5<	25° <	62	0.3<0.5s<0.9

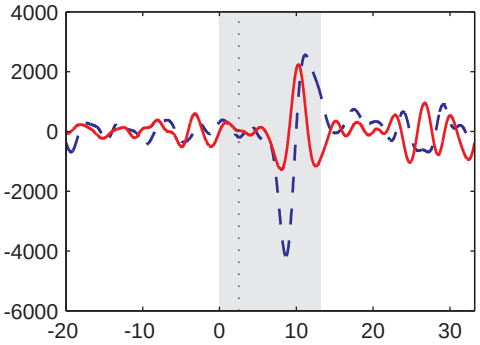
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



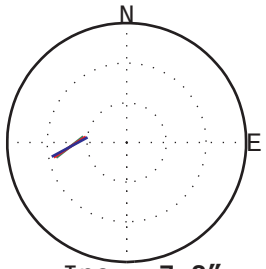




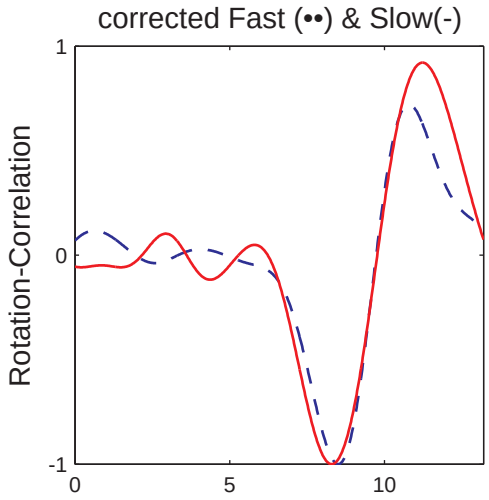
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **ERMK** Backazimuth: **265.4”** Distance: **109.50”**
init.Pol.: **89.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.0**

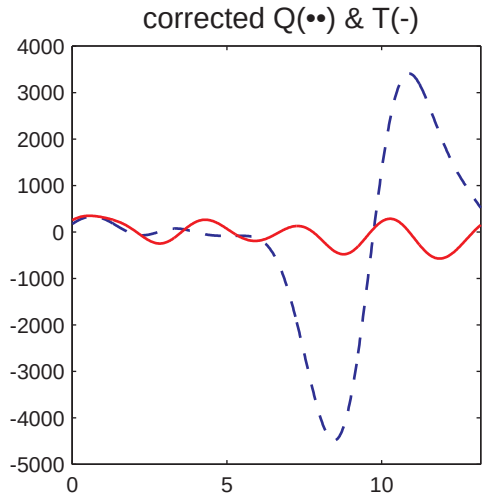
Rotation Correlation:	36<	52° <	64	0.8<1.1s<1.3
Minimum Energy:	52<	57° <	62	1.0<1.2s<1.4
Eigenvalue:	54<	61° <	70	1.1<1.3s<1.5

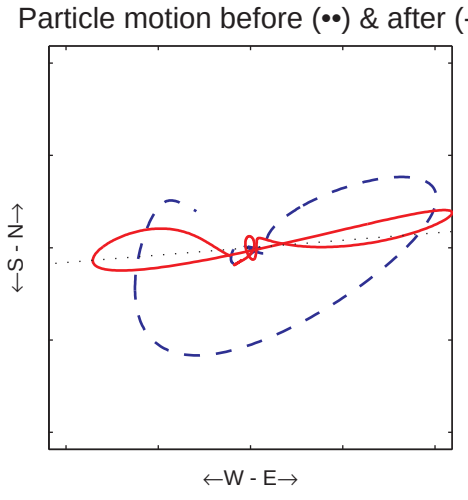
Quality: **good** IsNull: **No** Phase: **SKS**

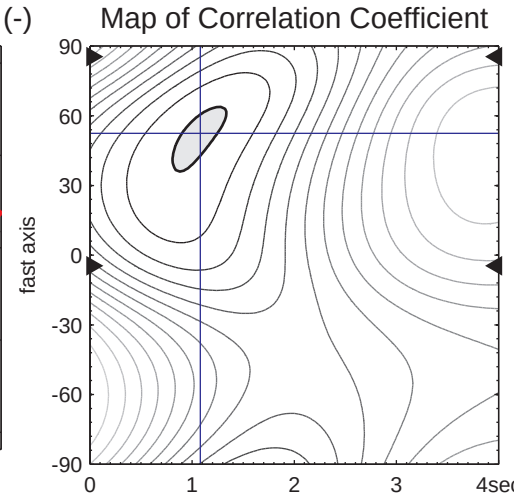


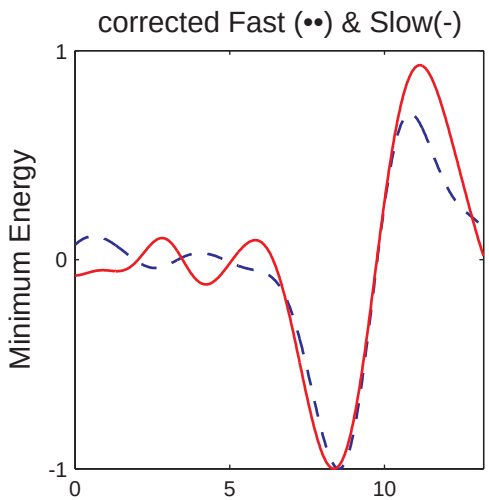
Inc = **7.2”**

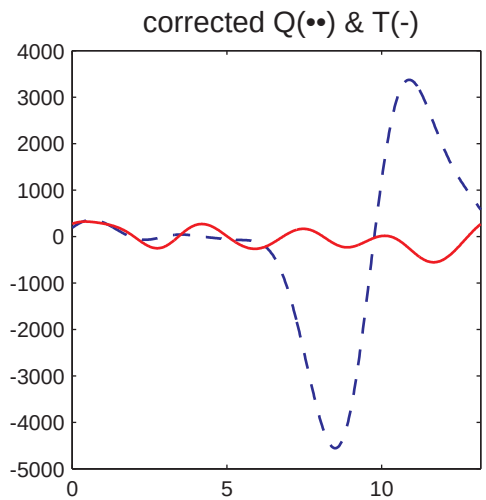


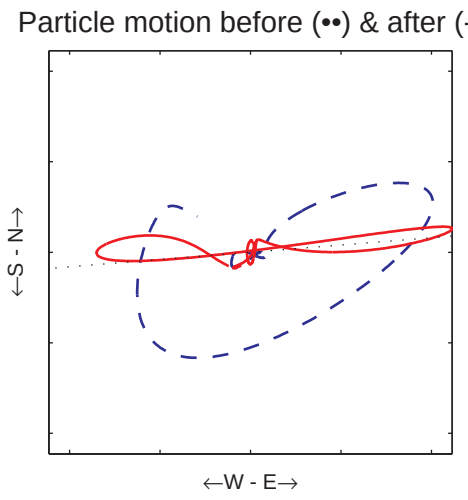


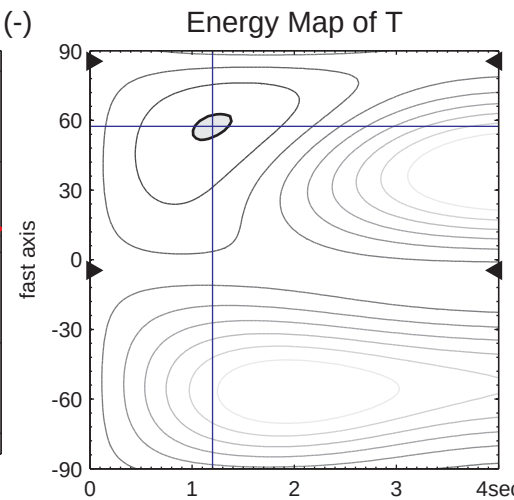


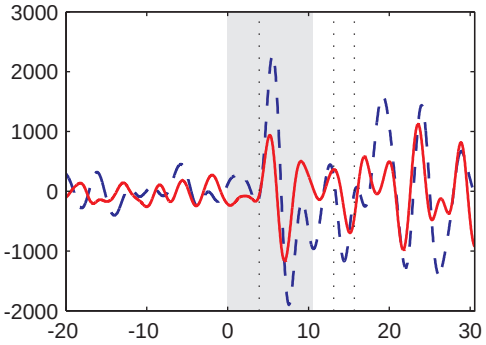








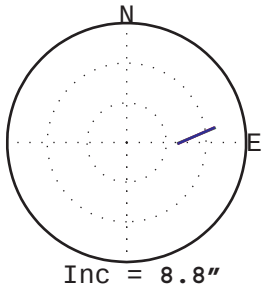


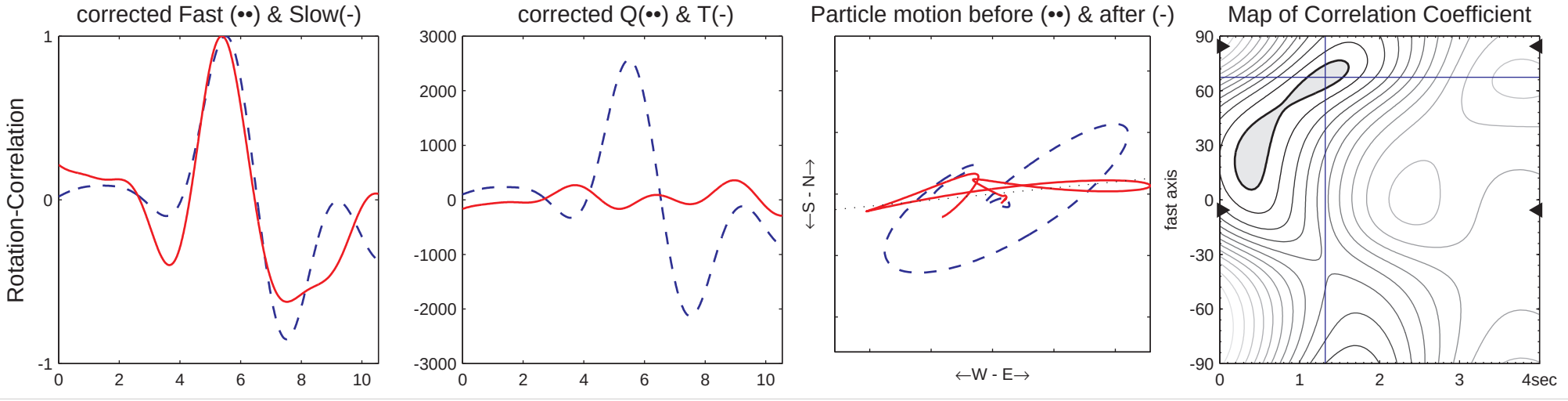


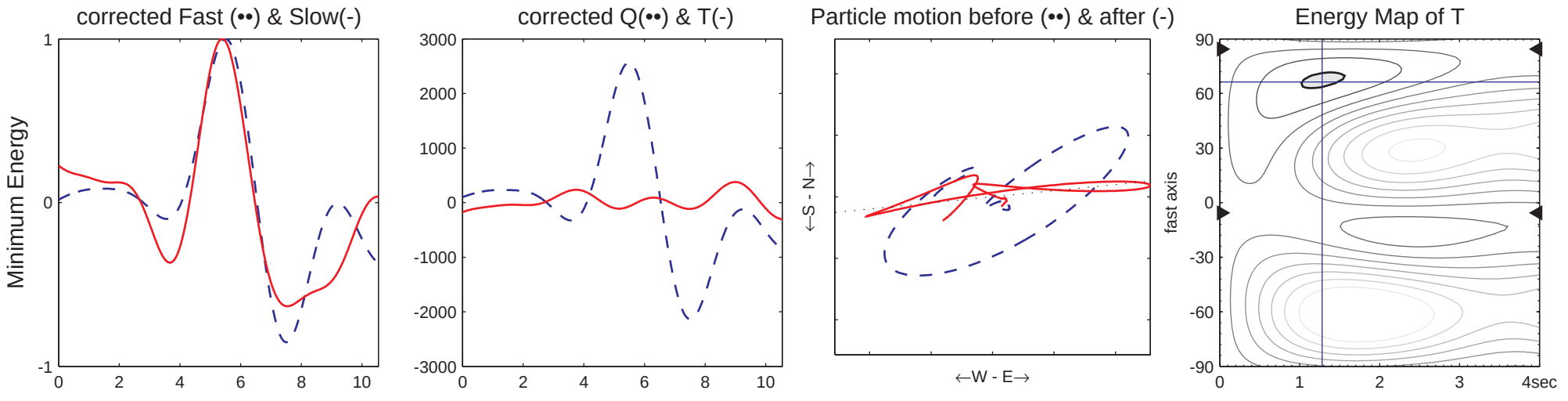
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **ERMK** Backazimuth: **84.4”** Distance: **98.28”**
init.Pol.: **264.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.6**

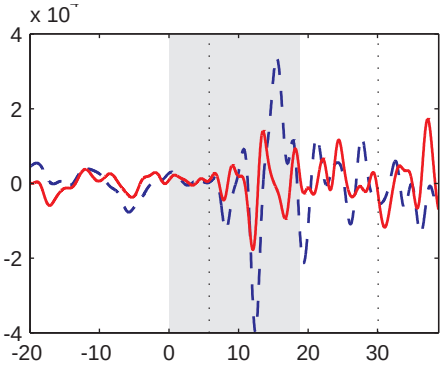
Rotation Correlation:	6<	67° <	77	0.2<1.3s<1.6
Minimum Energy:	64<	66° <	72	1.0<1.3s<1.6
Eigenvalue:	60<	66° <	76	1.0<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





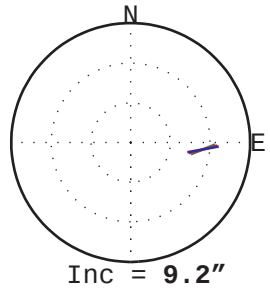


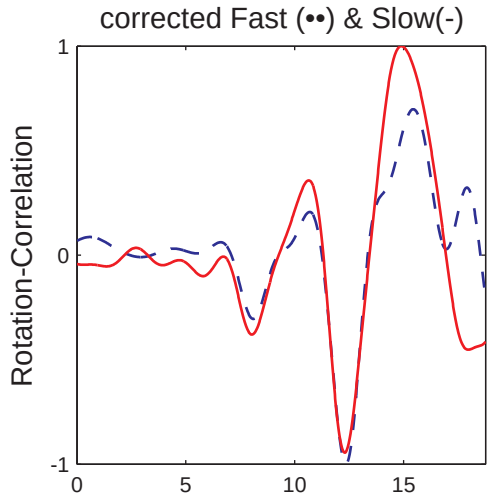


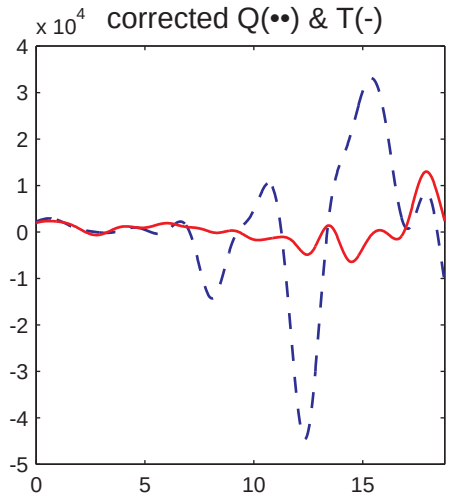
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **ERMK** Backazimuth: **95.4”** Distance: **94.67”**
init.Pol.: **279.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

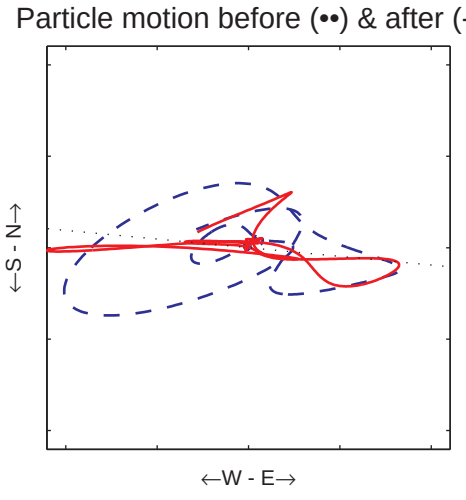
Rotation Correlation:	52<	68° <	77	0.5<0.8s<1.0
Minimum Energy:	68<	75° <	82	0.6<0.9s<1.2
Eigenvalue:	70<	79° <	88	0.7<1.0s<1.2

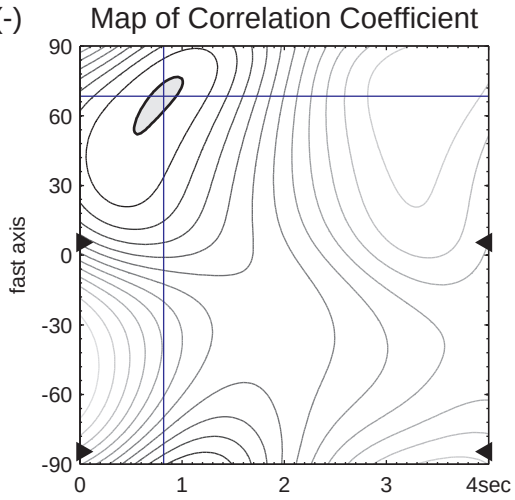
Quality: **good** IsNull: **No** Phase: **SKS**

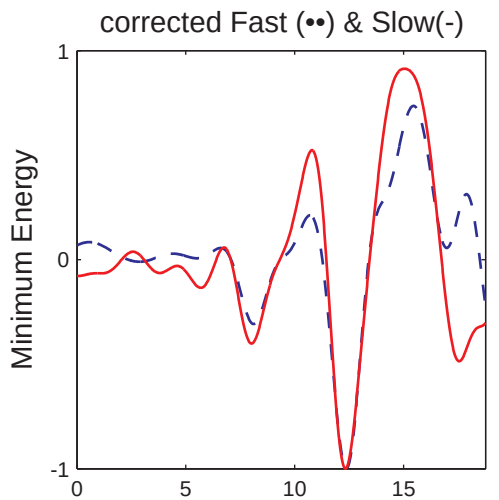


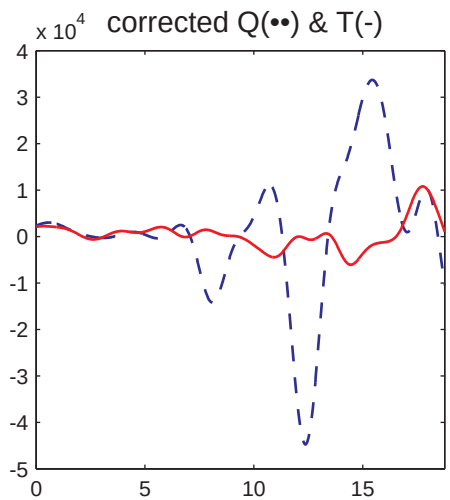


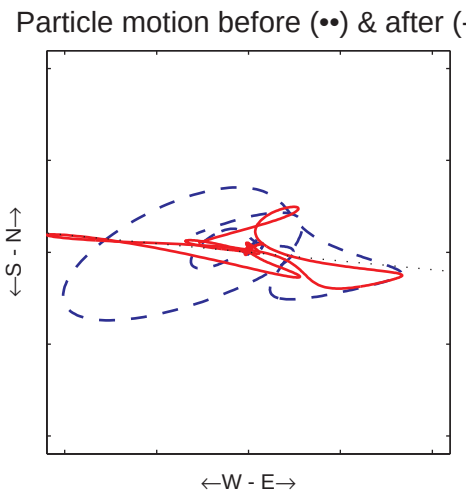


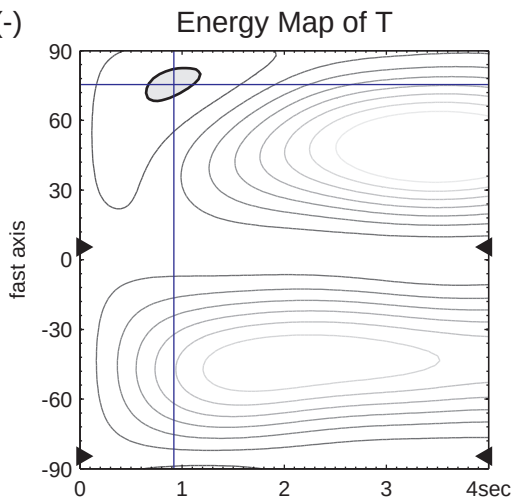


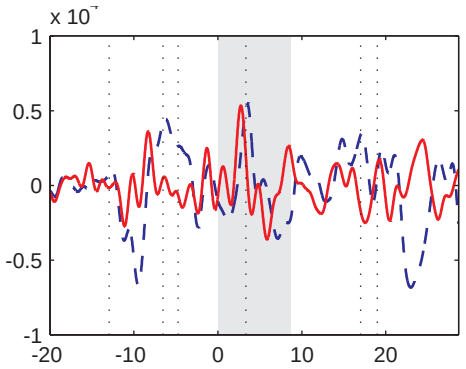








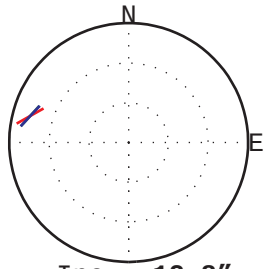




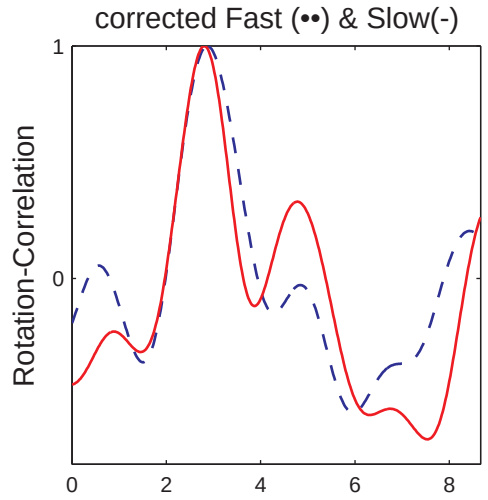
Event: **12-Sep-2009 (255) 20:06 10.71N -67.93E 14km Mw=6.4**
Station: **ERMK** Backazimuth: **285.0”** Distance: **92.14”**
init.Pol.: **85.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.2**

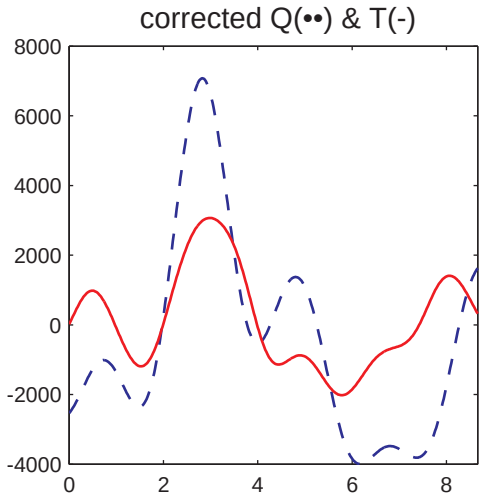
Rotation Correlation:	32<	42° <	54	0.7<0.9s<1.0
Minimum Energy:	50<	61° <	72	0.7<1.0s<1.2
Eigenvalue:	25<	43° <	60	0.7<0.9s<1.1

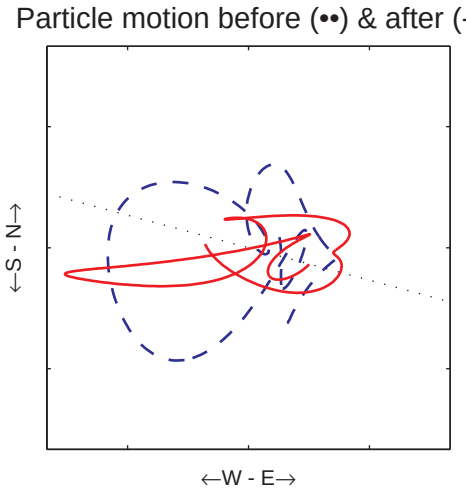
Quality: **fair** IsNull: **No** Phase: **SKKS**

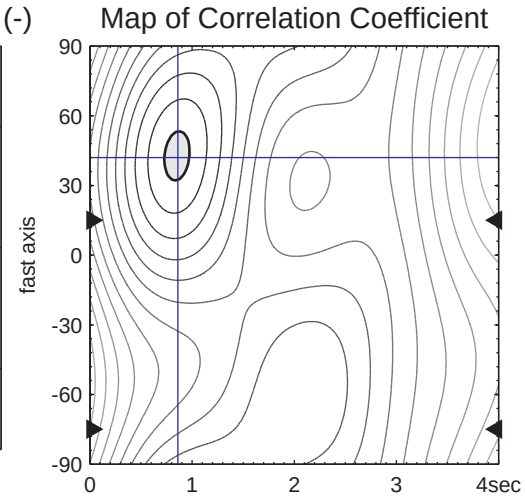


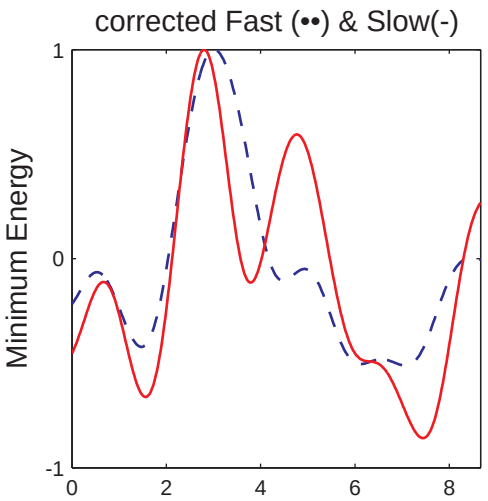
Inc = **12.8”**

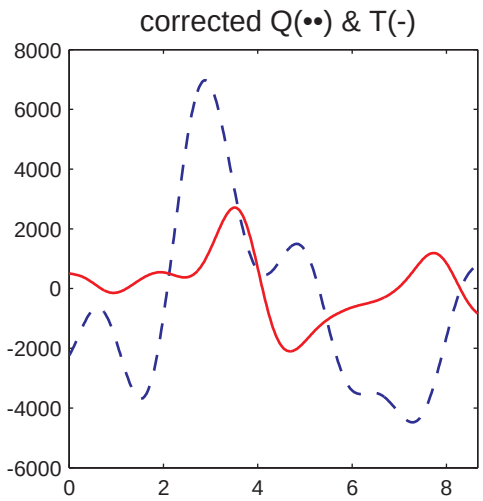


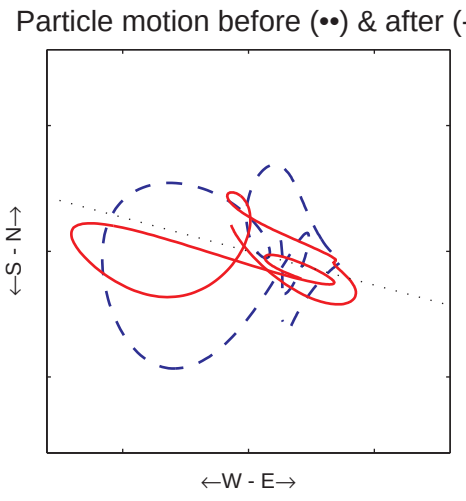


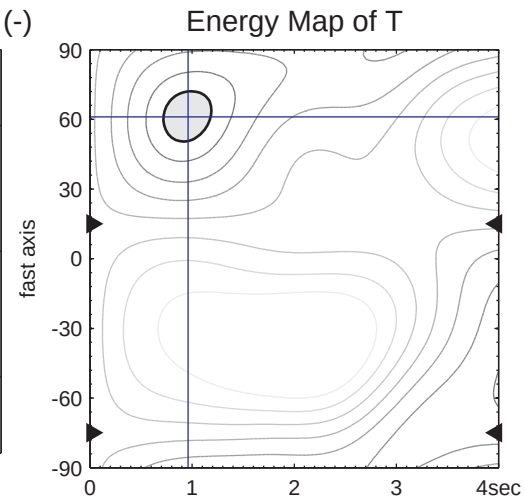


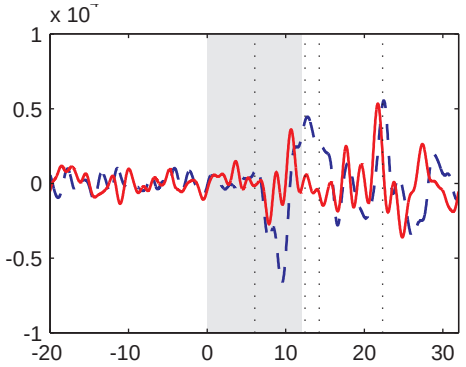








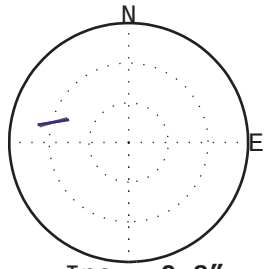


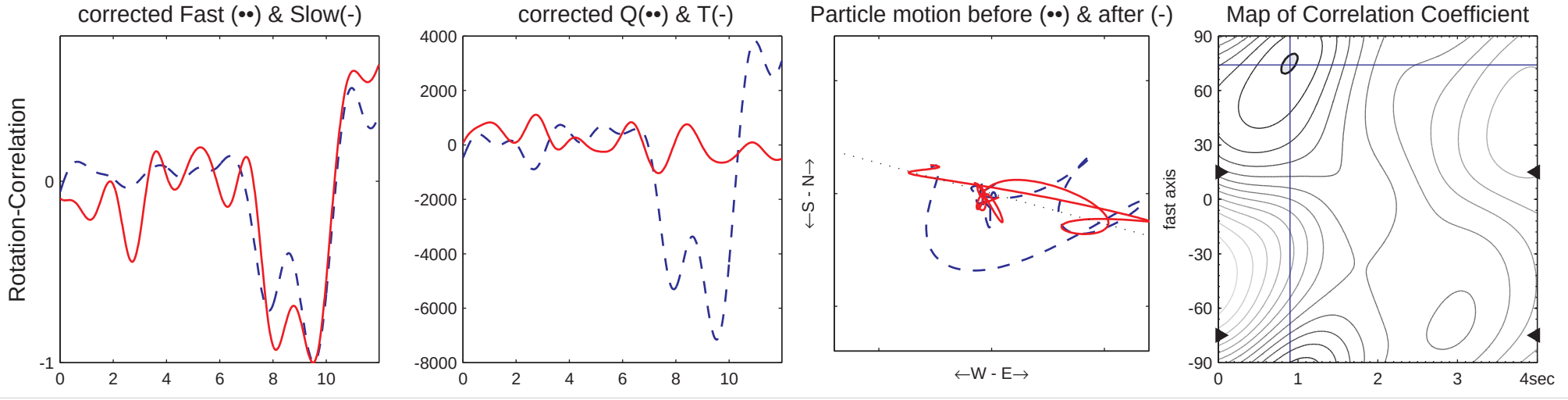


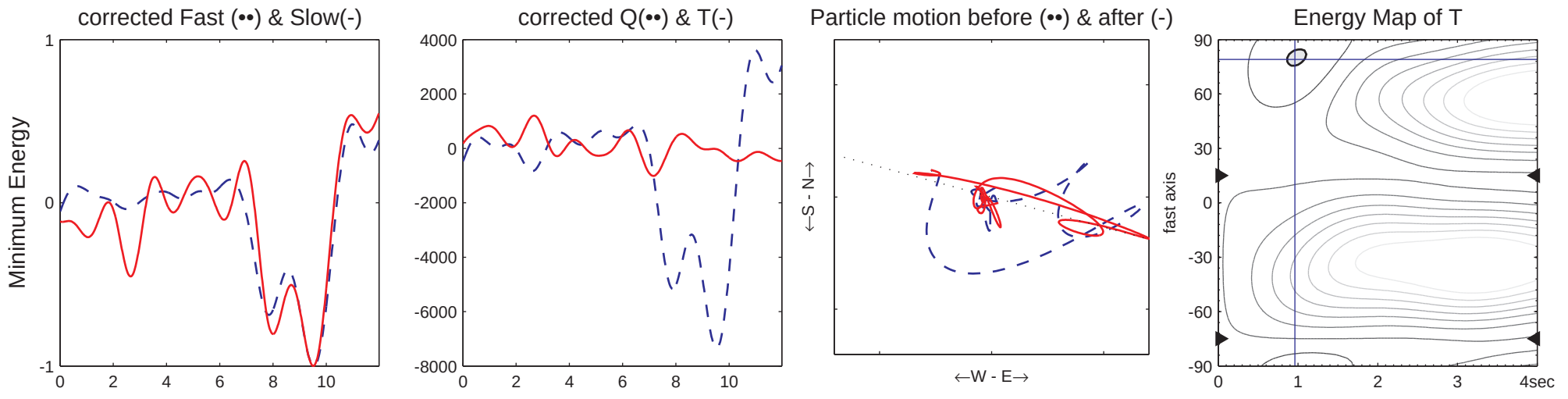
Event: **12-Sep-2009 (255) 20:06 10.71N -67.93E 14km Mw=6.4**
Station: **ERMK** Backazimuth: **285.0”** Distance: **92.14”**
init.Pol.: **106.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.8**

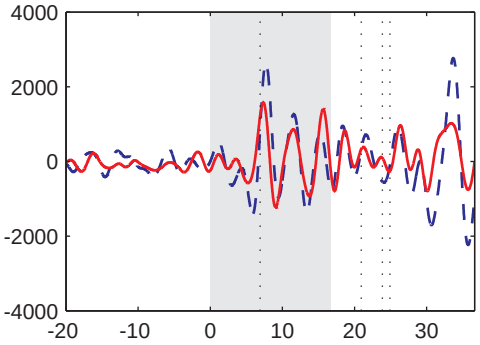
Rotation Correlation:	69<	74° <	80	0.8<0.9s<1.0
Minimum Energy:	76<	79° <	84	0.9<1.0s<1.1
Eigenvalue:	76<	81° <	86	0.8<1.0s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





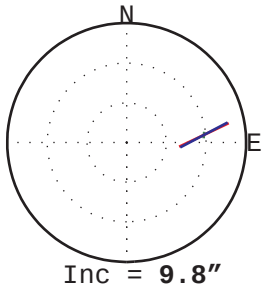


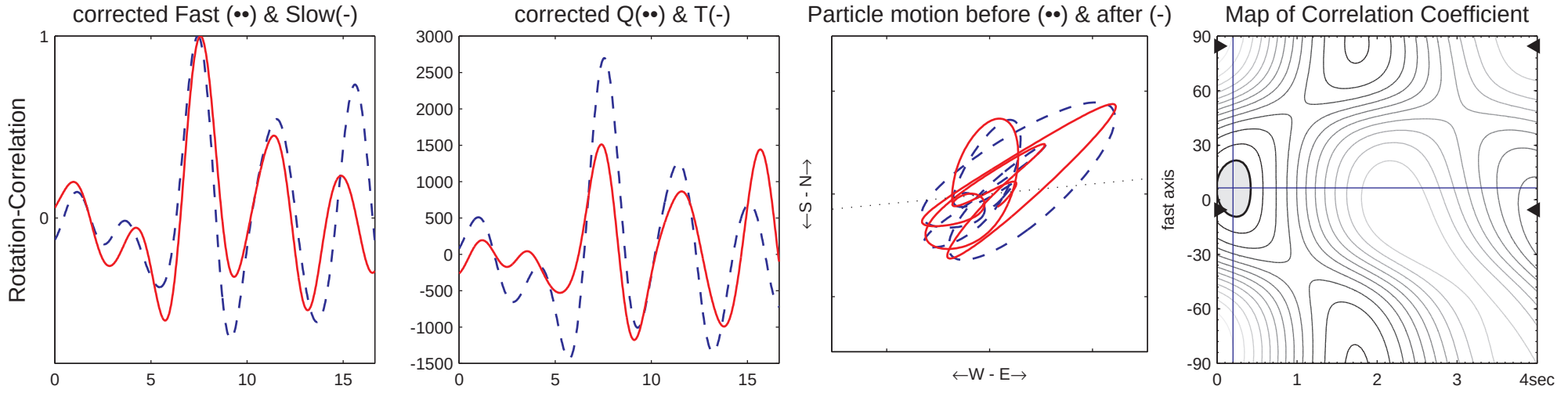


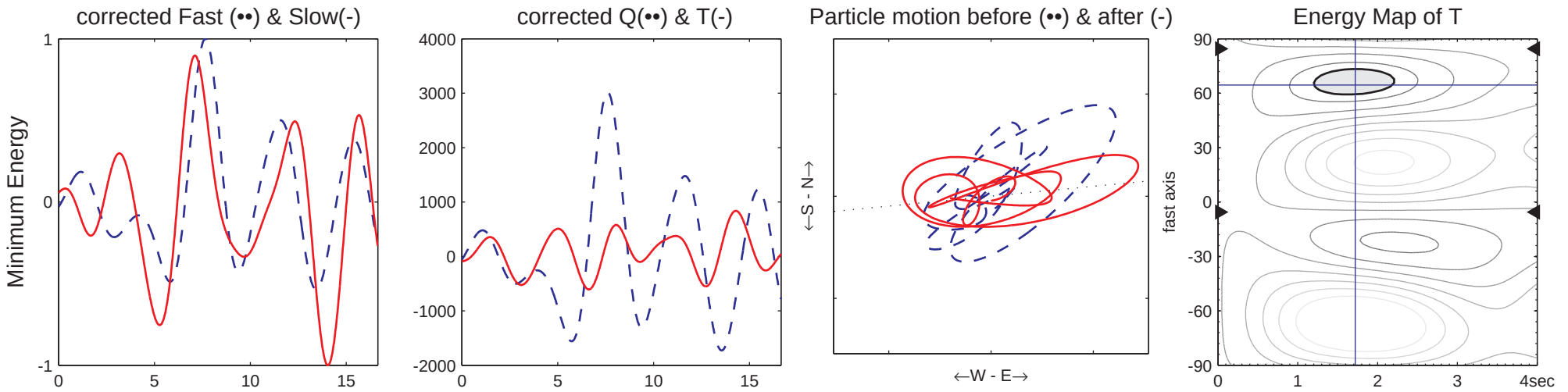
Event: **13-Oct-2009 (286) 11:38 2.93N 128.23E 32km Mw=6.0**
Station: **ERMK** Backazimuth: **84.5”** Distance: **92.51”**
init.Pol.: **259.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.2**

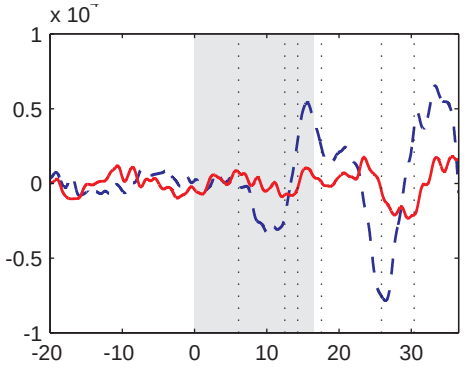
Rotation Correlation:	-10<	6° <	22	0.0<0.2s<0.4
Minimum Energy:	60<	64° <	74	1.2<1.7s<2.2
Eigenvalue:	-Inf<	62° <	Inf	0.0<1.7s<Inf

Quality: **fair** IsNull: **Yes** Phase: **SKS**





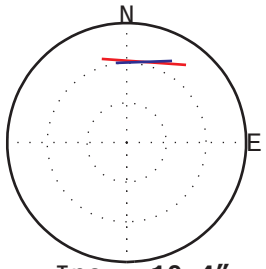




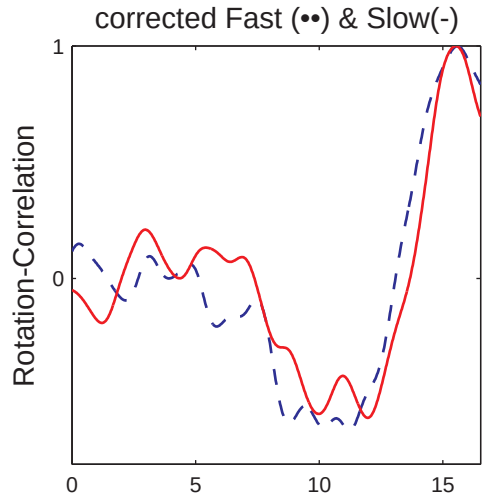
Event: **13-Oct-2009 (286) 20:21 52.60N -167.12E 14km Mw=6.4**
Station: **ERMK** Backazimuth: **12.0”** Distance: **89.07”**
init.Pol.: **187.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.2**

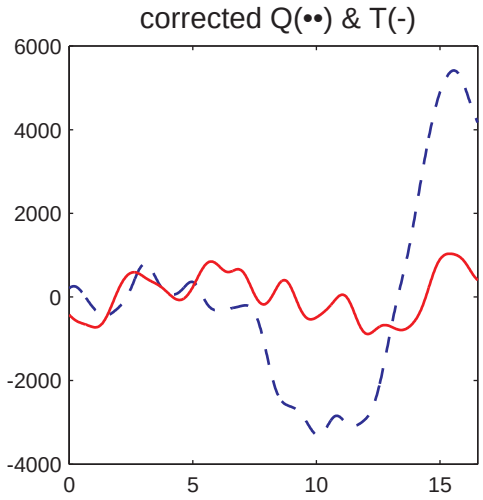
Rotation Correlation:	42<	50° < 59	0.0<0.0s<0.2
Minimum Energy:	-90<	-86° < -86	1.7<2.6s<3.3
Eigenvalue:	80<	88° < -86	1.0<1.8s<3.1

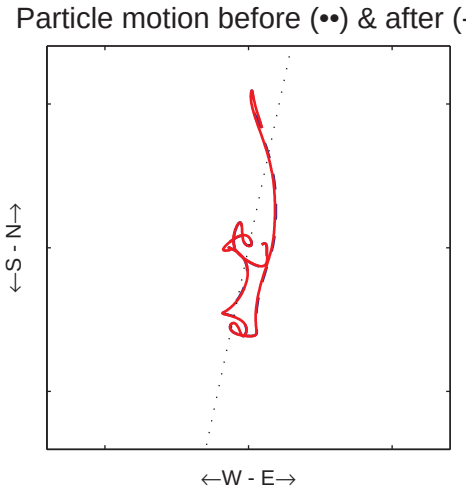
Quality: **good** IsNull: **Yes** Phase: **SKS**

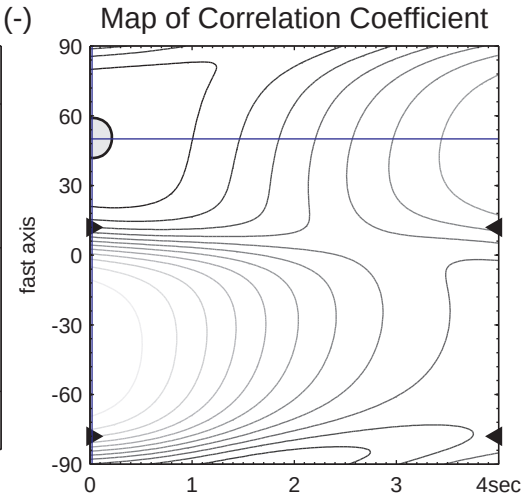


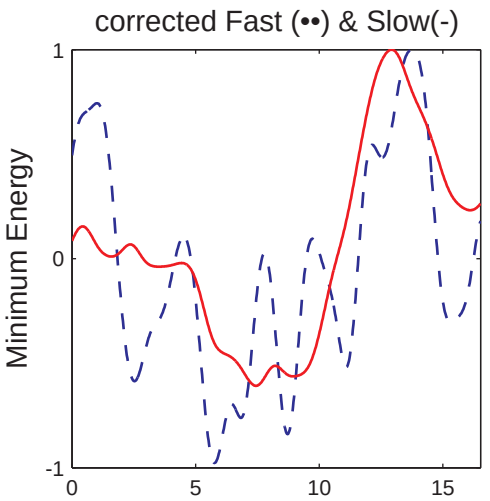
Inc = **10.4”**

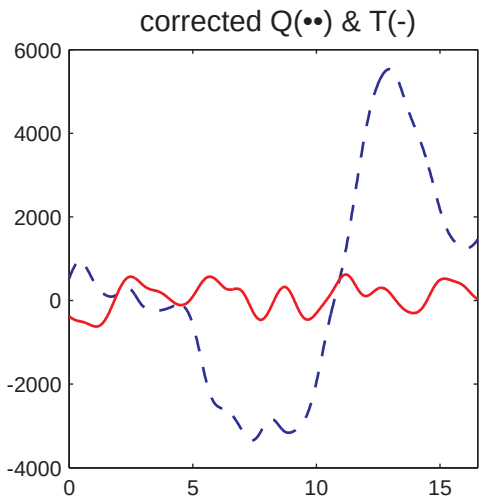


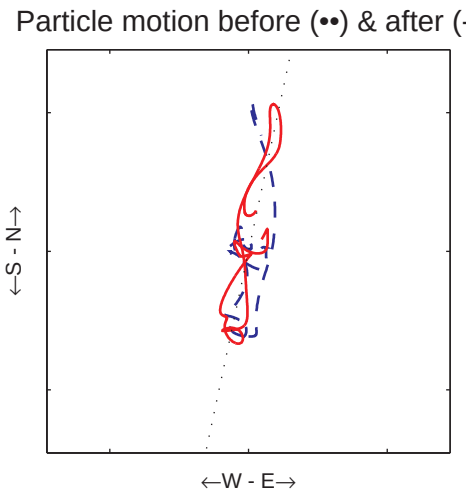


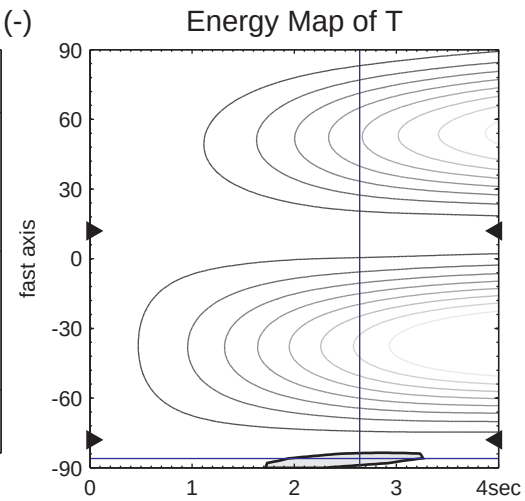


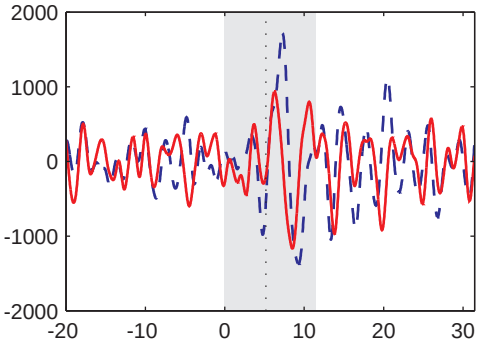








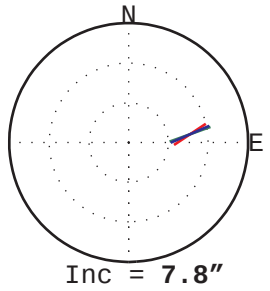


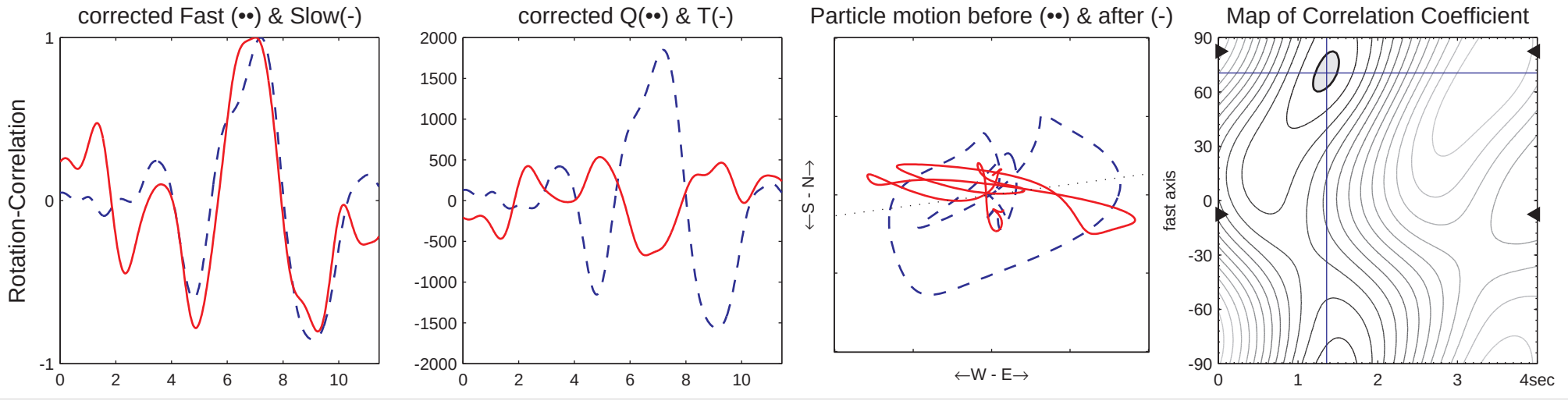


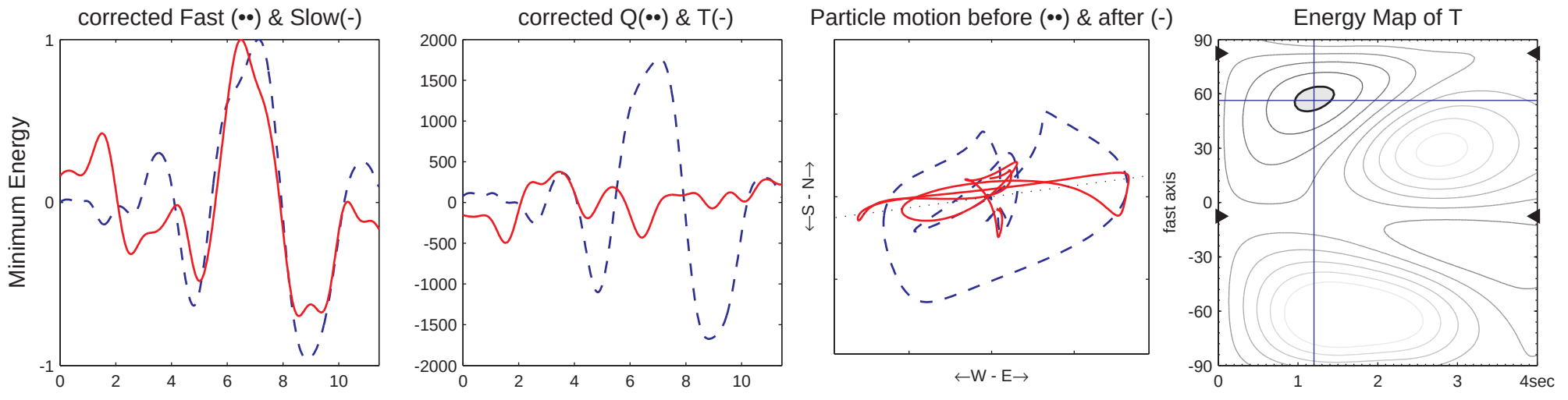
Event: **15-Oct-2009 (288) 12:11 -3.06N 139.54E 105km Mw=6.0**
Station: **ERMK** Backazimuth: **82.4”** Distance: **105.14”**
init.Pol.: **275.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.1**

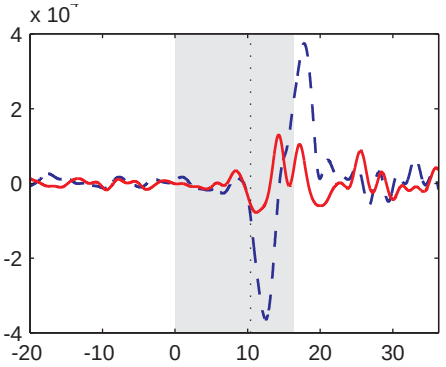
Rotation Correlation:	60<	70° <	82	1.2<1.4s<1.5
Minimum Energy:	50<	56° <	64	1.0<1.2s<1.4
Eigenvalue:	54<	66° <	84	1.1<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





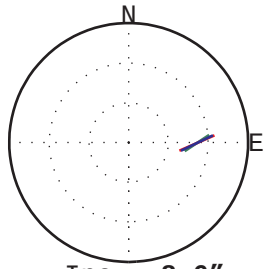


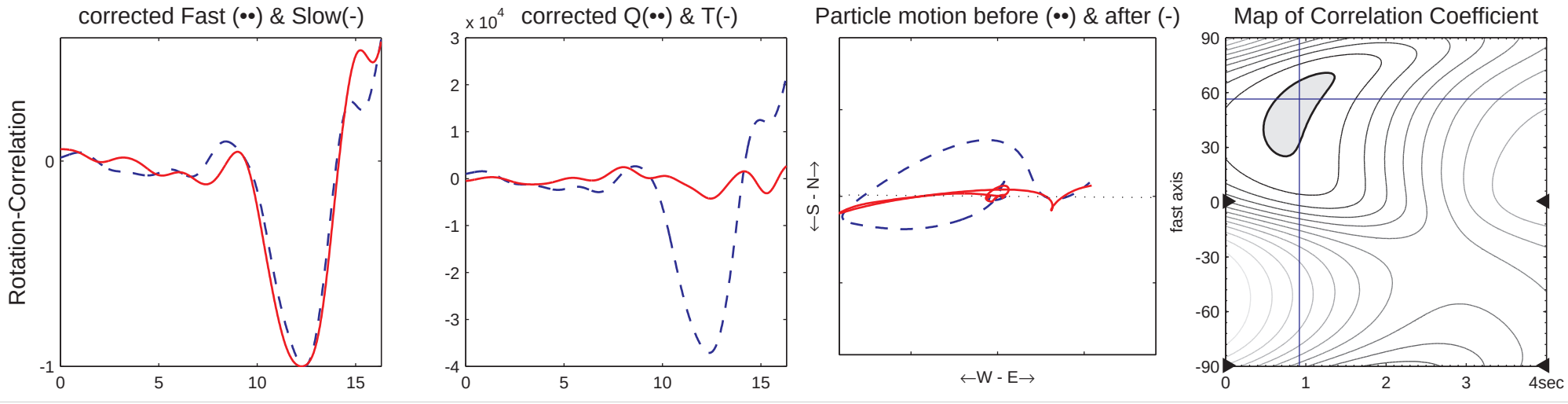


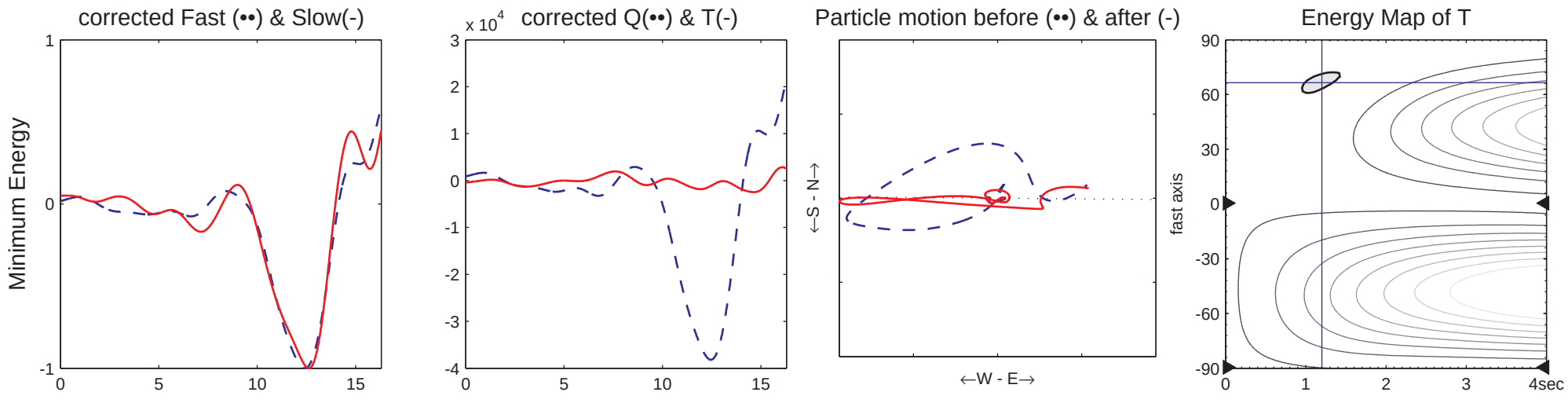
Event: **24-Oct-2009 (297) 14:40 -6.13N 130.38E 130km Mw=6.9**
Station: **ERMK** Backazimuth: **90.5”** Distance: **99.64”**
init.Pol.: **268.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**17.0**

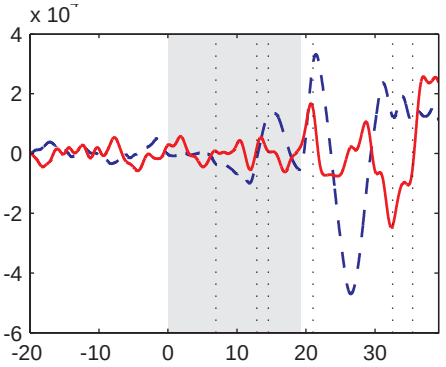
Rotation Correlation:	25<	56° <	71	0.5<0.9s<1.4
Minimum Energy:	62<	66° <	72	1.0<1.2s<1.4
Eigenvalue:	58<	64° <	70	0.9<1.1s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





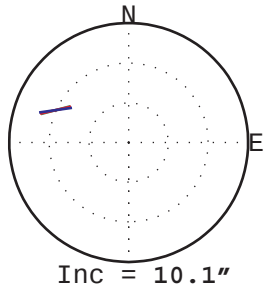


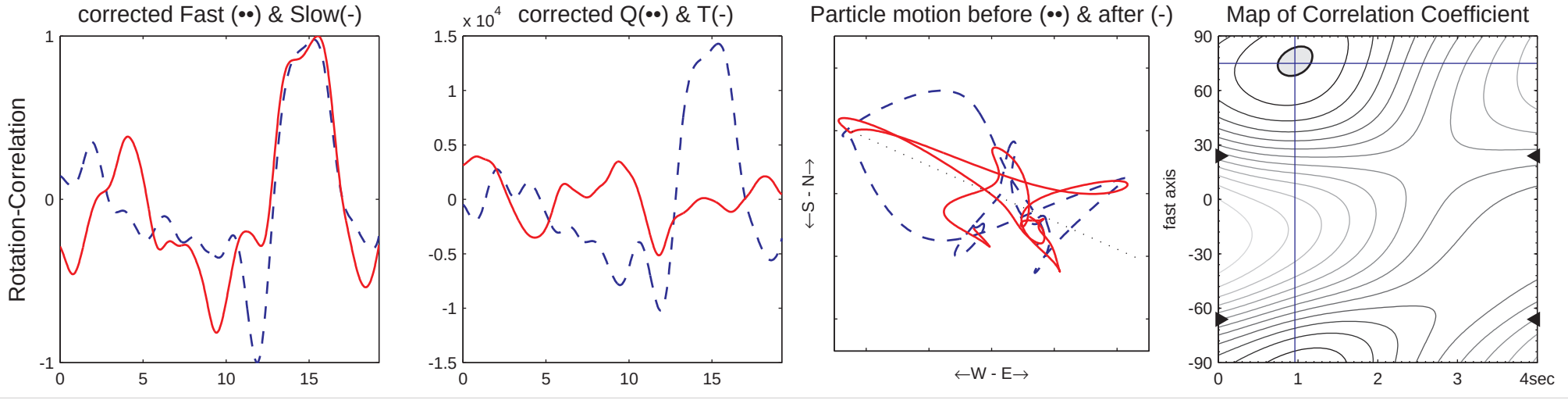


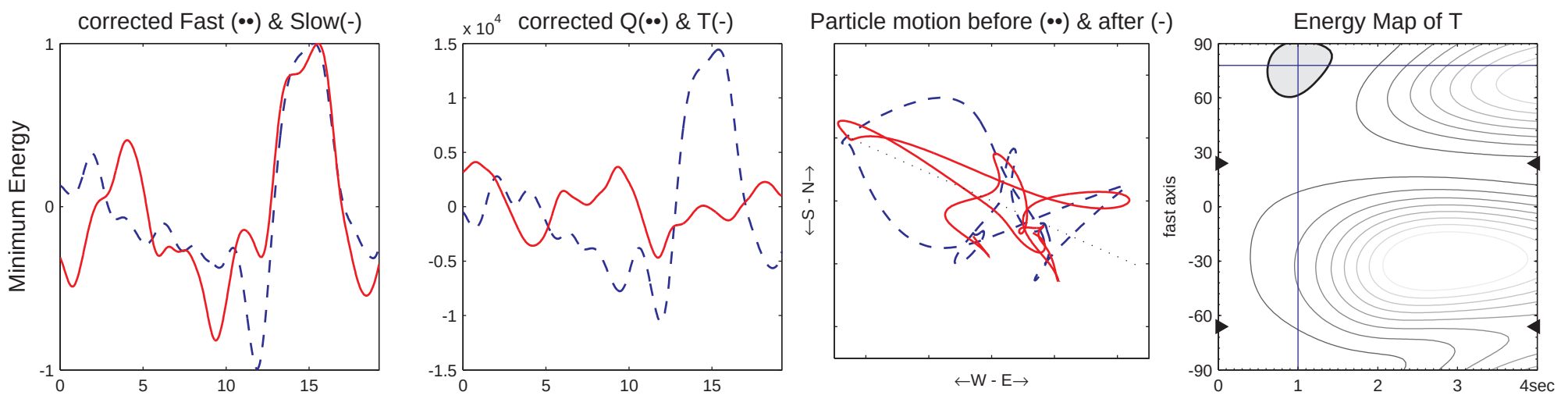
Event: **12-Jan-2010 (012) 21:53 18.44N -72.57E 13km Mw=7.0**
Station: **ERMK** Backazimuth: **293.9”** Distance: **90.82”**
init.Pol.: **118.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.3**

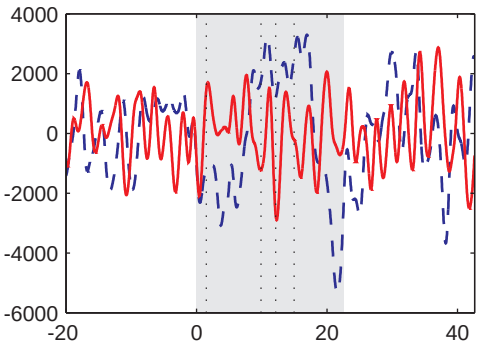
Rotation Correlation:	68<	75° <	84	0.8<1.0s<1.2
Minimum Energy:	60<	78° <	-92	0.6<1.0s<1.4
Eigenvalue:	64<	82° <	-88	0.6<1.0s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





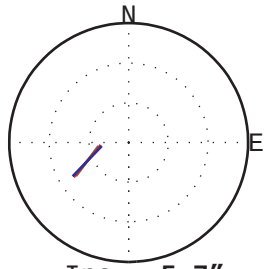


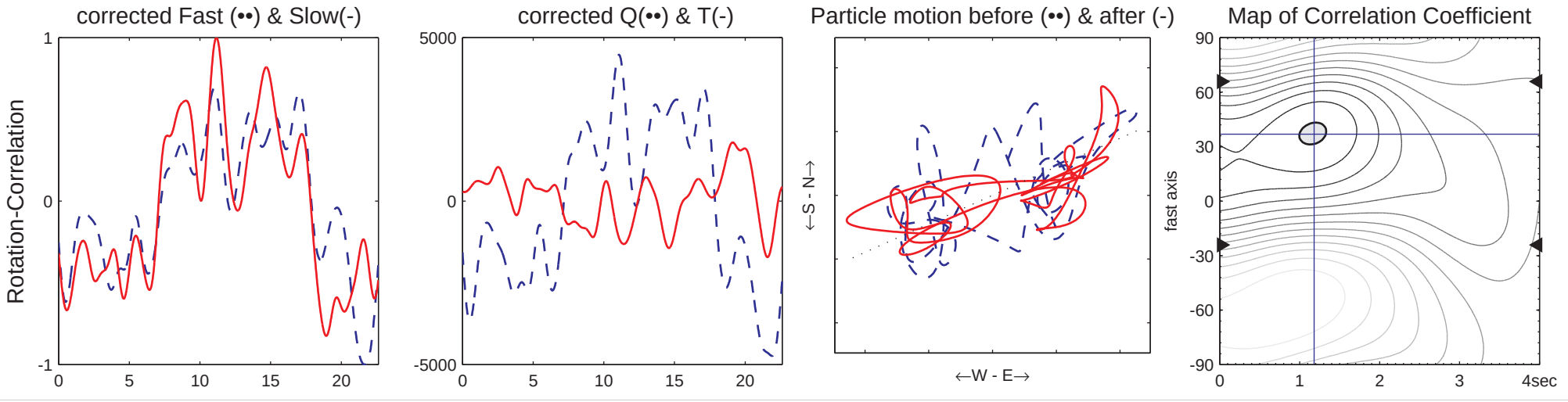


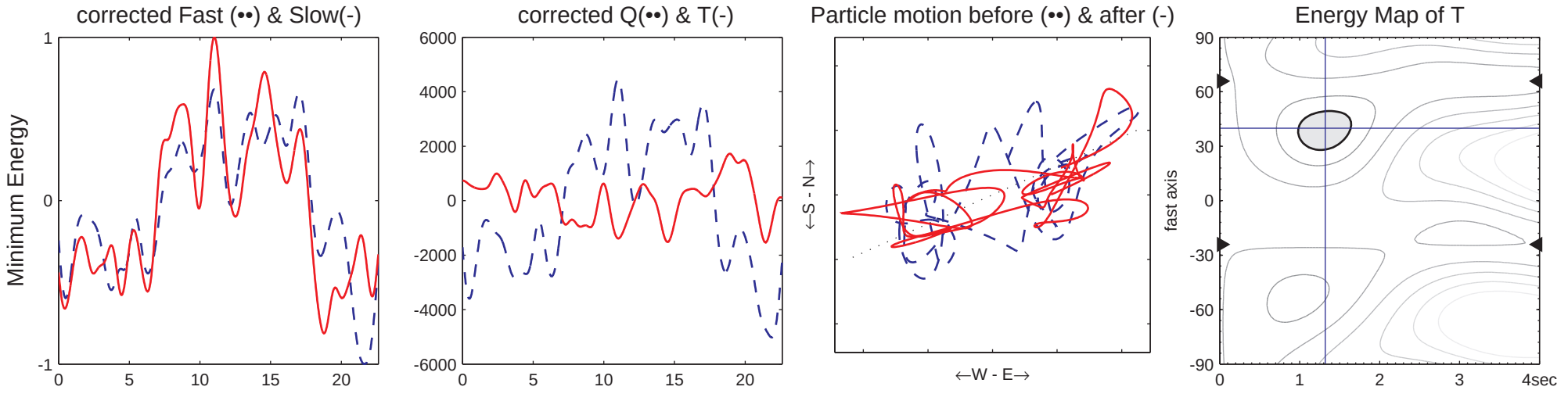
Event: **05-Mar-2010 (064) 11:47 -36.66N -73.37E 18km Mw=6.6**
Station: **ERMK** Backazimuth: **245.9”** Distance: **122.47”**
init.Pol.: **74.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.2**

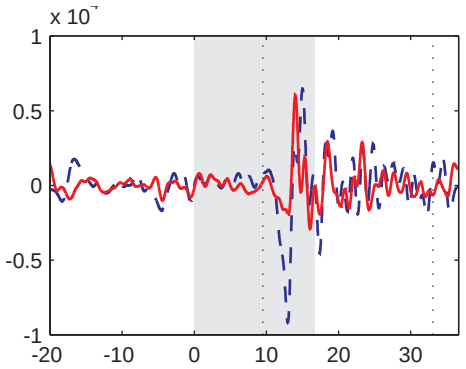
Rotation Correlation:	32<	37° <	43	1.0<1.2s<1.3
Minimum Energy:	27<	40° <	50	1.0<1.3s<1.6
Eigenvalue:	33<	44° <	56	1.0<1.3s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





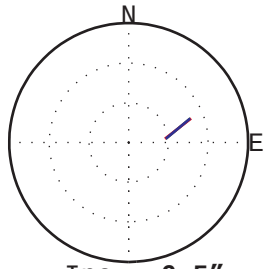


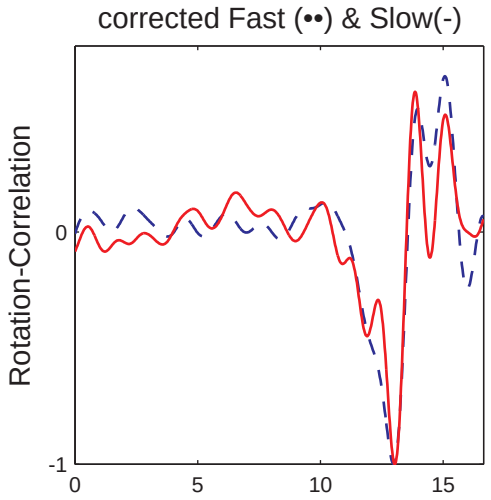


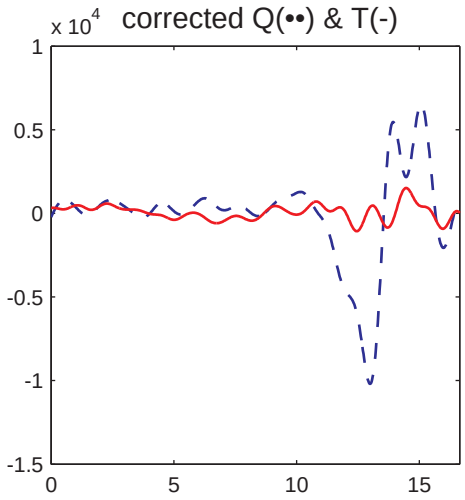
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **ERMK** Backazimuth: **74.3”** Distance: **115.30”**
init.Pol.: **251.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.5**

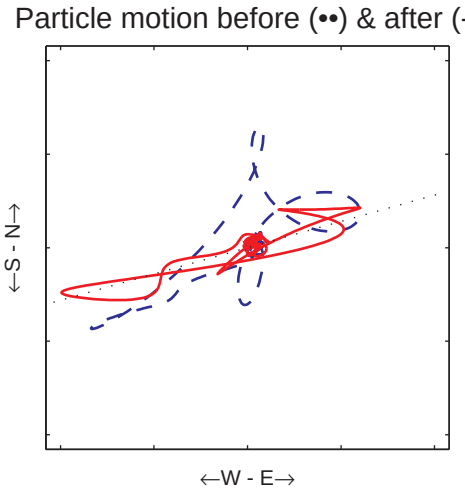
Rotation Correlation:	48<	50° <	54	1.0<1.0s<1.0
Minimum Energy:	52<	52° <	56	1.0<1.0s<1.1
Eigenvalue:	48<	50° <	56	1.0<1.0s<1.1

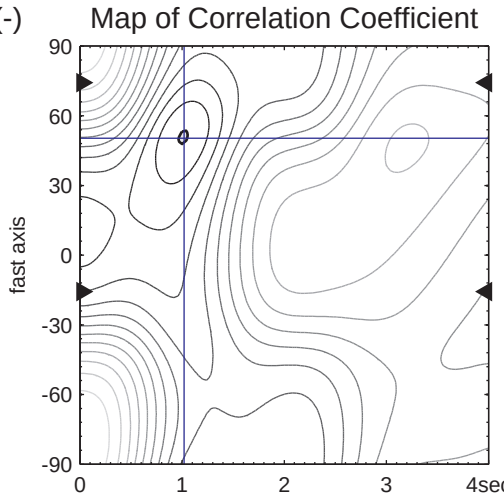
Quality: **good** IsNull: **No** Phase: **SKS**

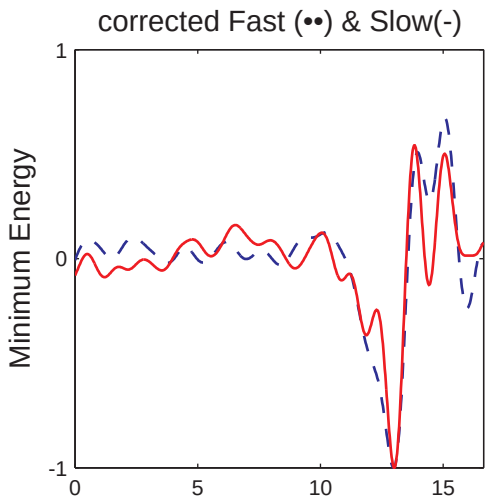


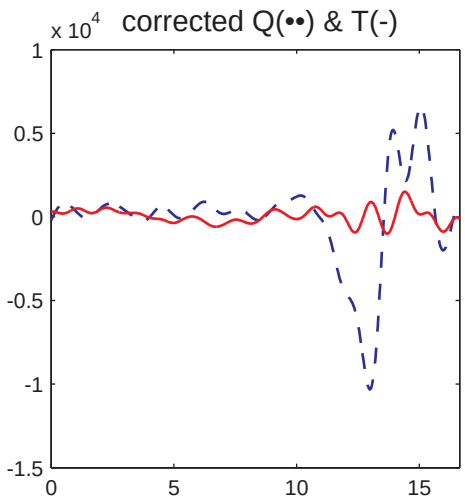


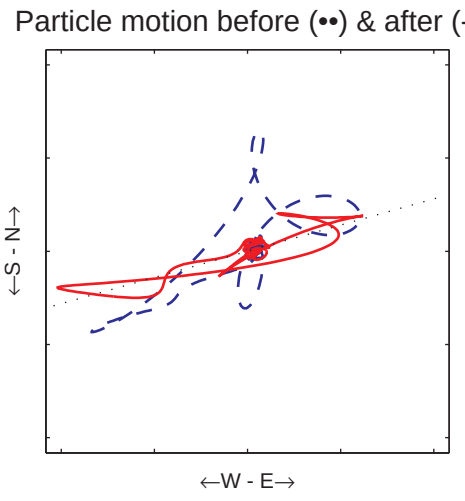


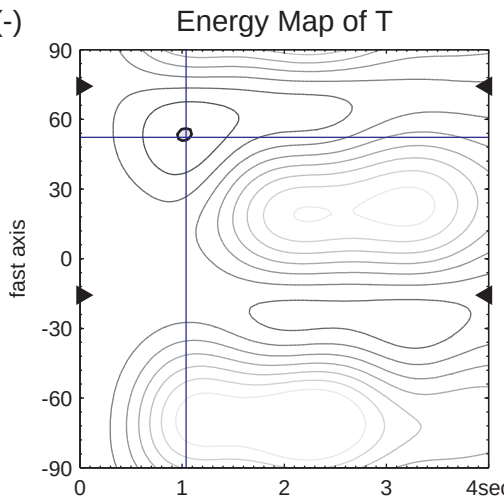


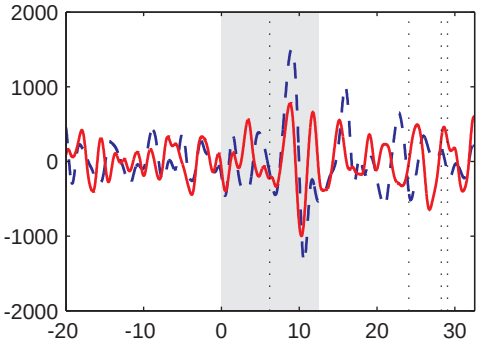








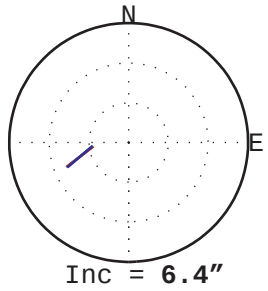


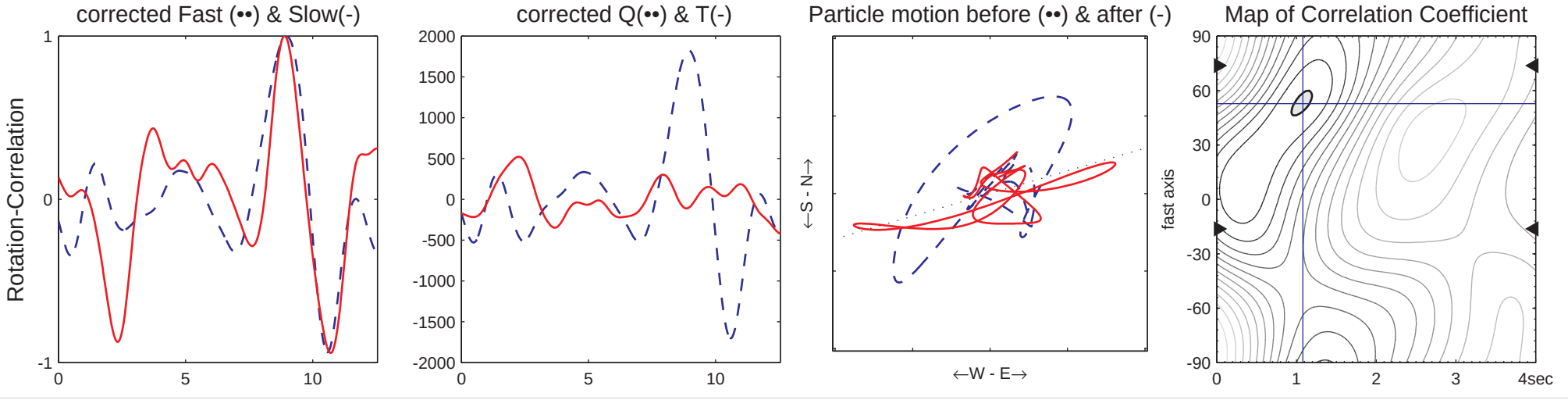


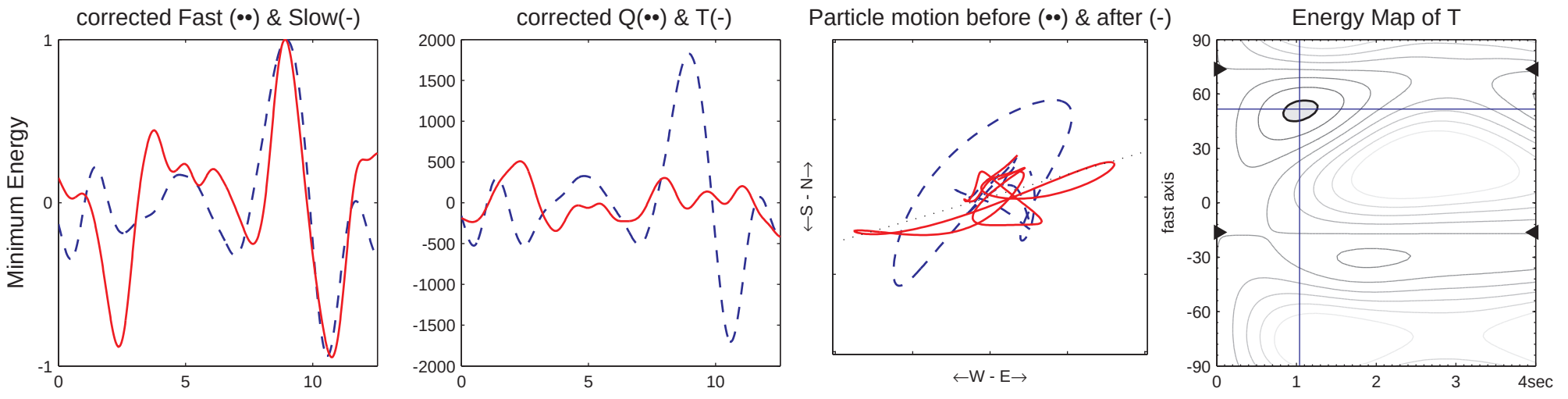
Event: **26-Mar-2010 (085) 14:52 -27.95N -70.82E 42km Mw=6.3**
Station: **ERMK** Backazimuth: **253.7”** Distance: **116.62”**
init.Pol.: **71.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

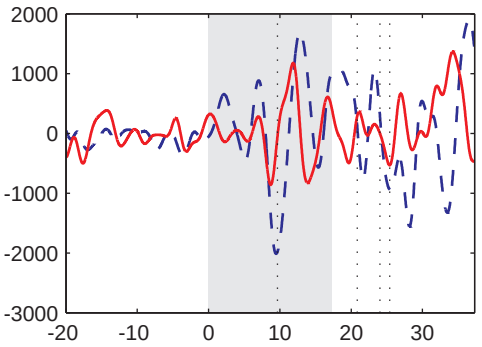
Rotation Correlation:	46<	53° <	60	0.9<1.1s<1.2
Minimum Energy:	46<	52° <	56	0.8<1.0s<1.3
Eigenvalue:	37<	50° <	58	0.8<1.0s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





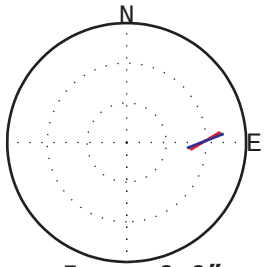




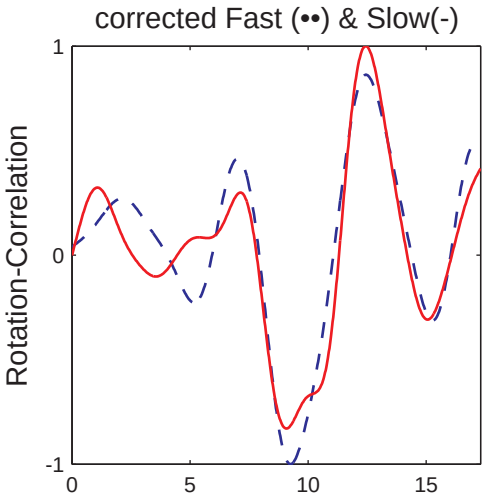
Event: **05-Apr-2010 (095) 10:05 -0.18N 125.01E 25km Mw=6.2**
Station: **ERMK** Backazimuth: **88.9”** Distance: **91.79”**
init.Pol.: **277.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.9**

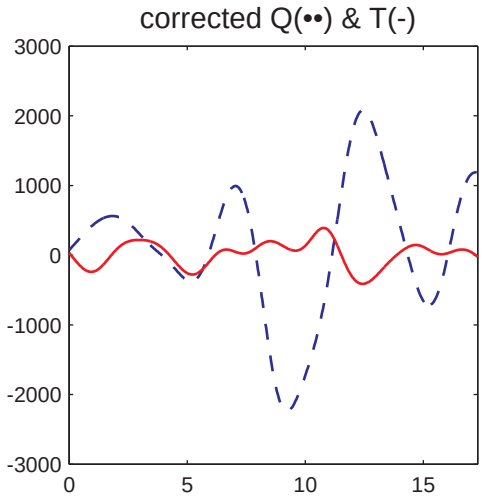
Rotation Correlation:	48<	65° <	78	0.8<1.2s<1.4
Minimum Energy:	52<	59° <	66	0.9<1.1s<1.3
Eigenvalue:	56<	69° <	80	1.0<1.2s<1.5

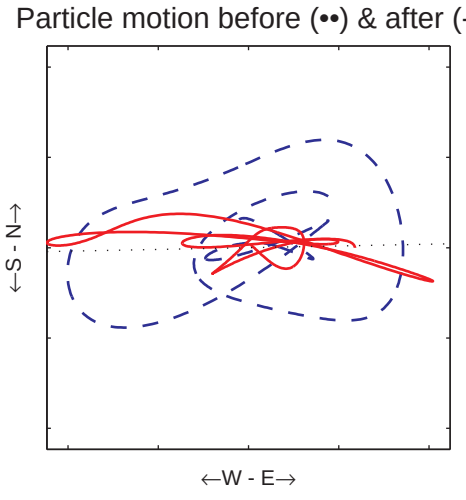
Quality: **good** IsNull: **No** Phase: **SKS**

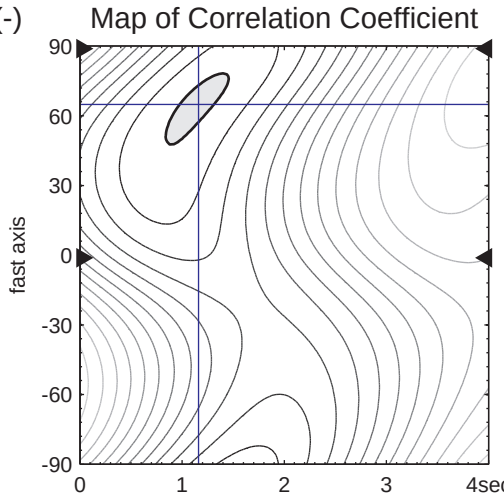


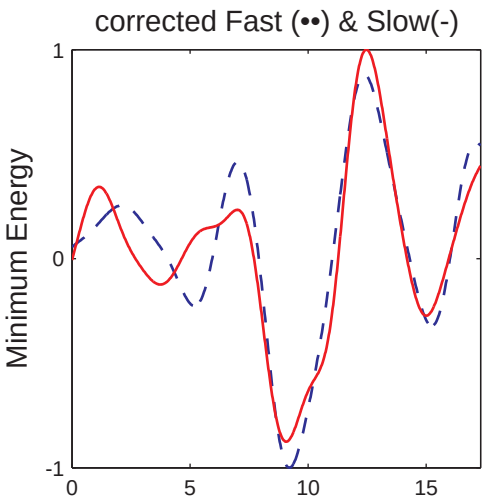
Inc = **9.9”**

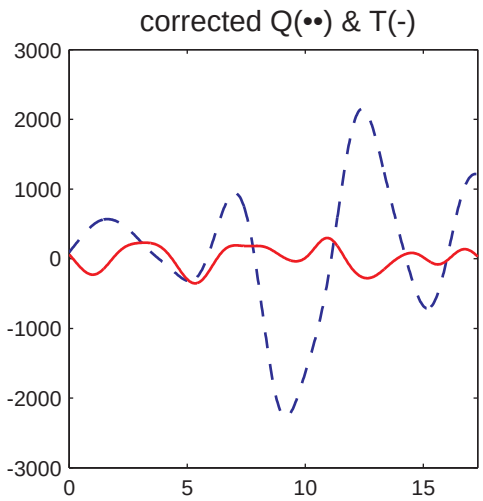


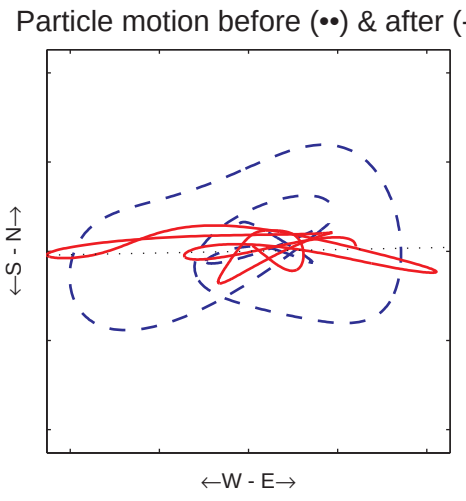


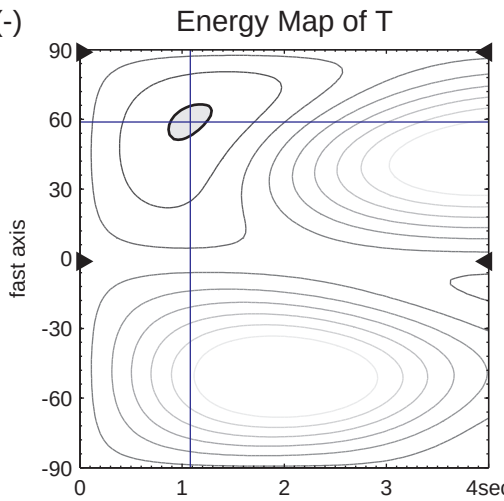


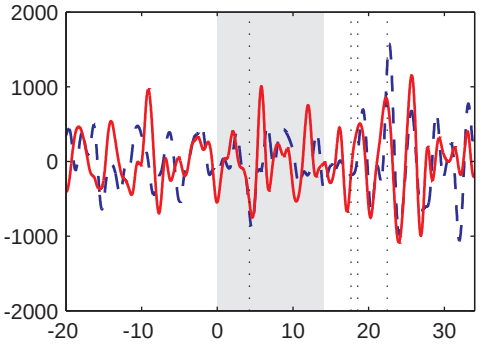








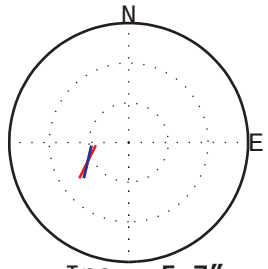


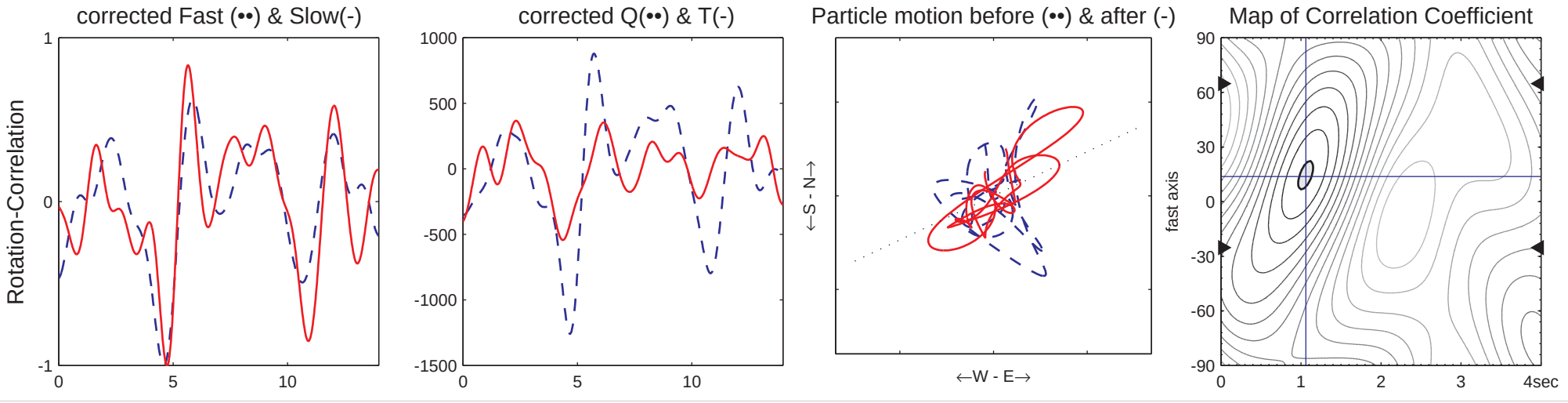


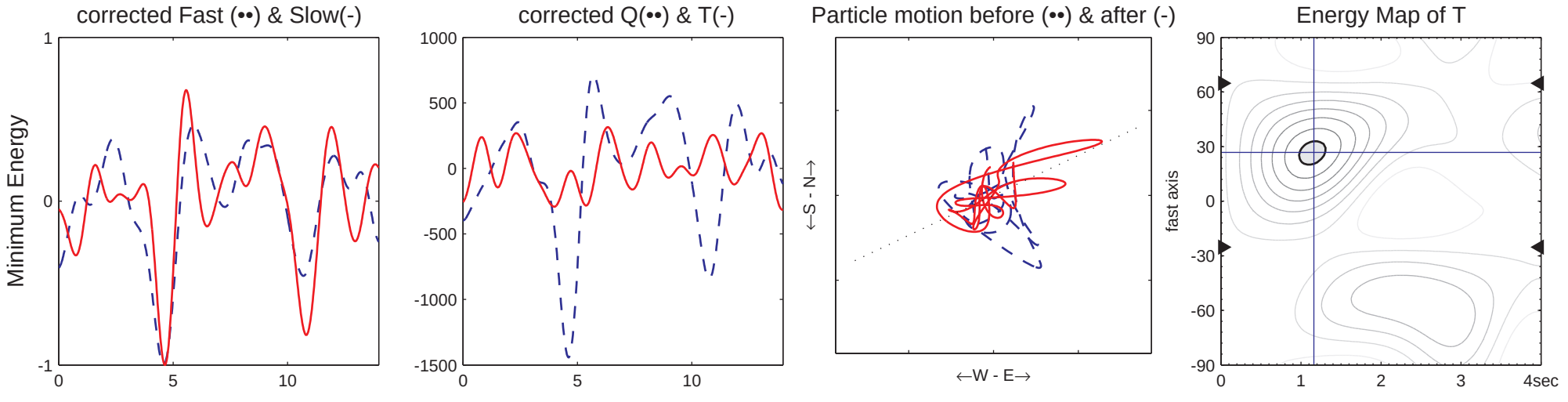
Event: **23-Apr-2010 (113) 10:03 -37.53N -72.97E 32km Mw=6.0**
Station: **ERMK** Backazimuth: **244.8”** Distance: **122.53”**
init.Pol.: **45.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

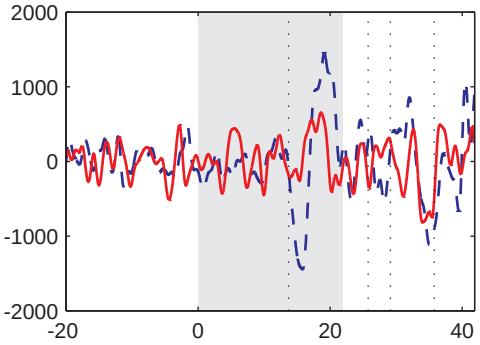
Rotation Correlation:	7<	14° <	23	1.0<1.1s<1.2
Minimum Energy:	19<	27° <	33	1.0<1.2s<1.3
Eigenvalue:	-1<	13° <	25	0.9<1.0s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





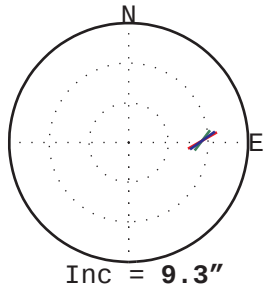


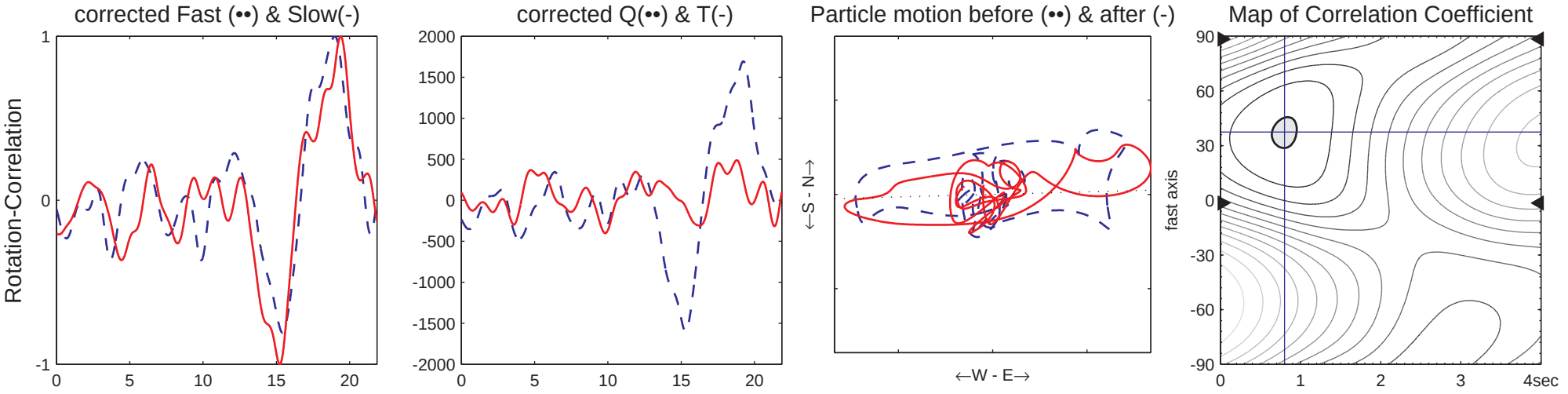


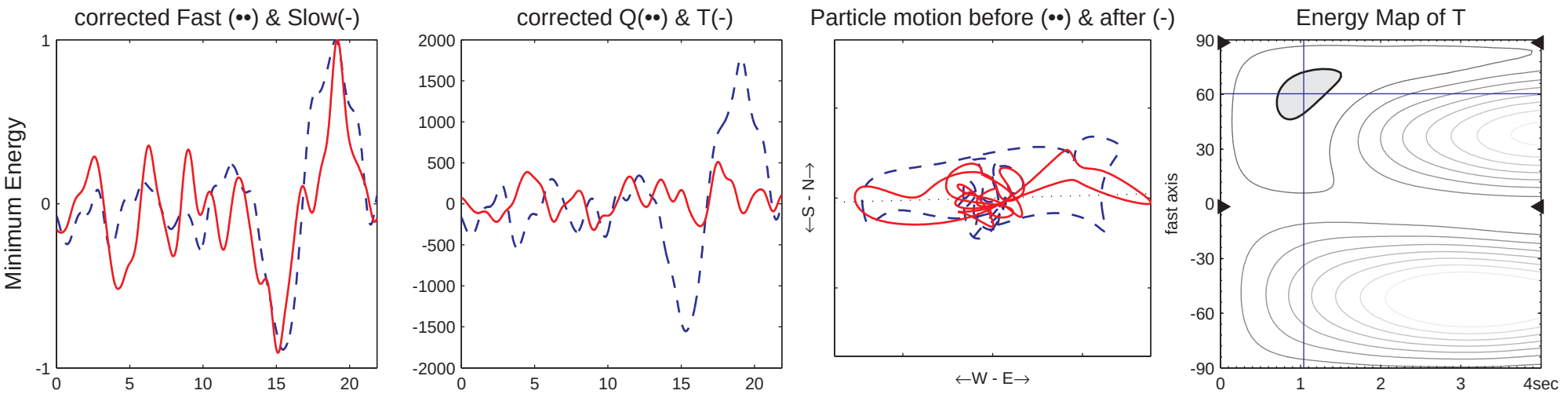
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **ERMK** Backazimuth: **88.4”** Distance: **95.32”**
init.Pol.: **263.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

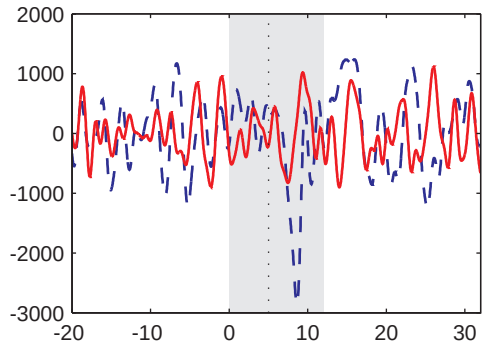
Rotation Correlation:	29<	37° <	46	0.6<0.8s<1.0
Minimum Energy:	46<	60° <	74	0.7<1.0s<1.5
Eigenvalue:	23<	54° <	72	0.6<1.0s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





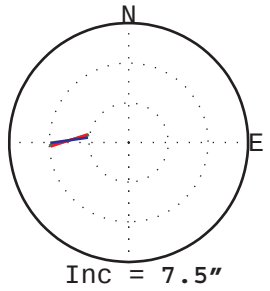


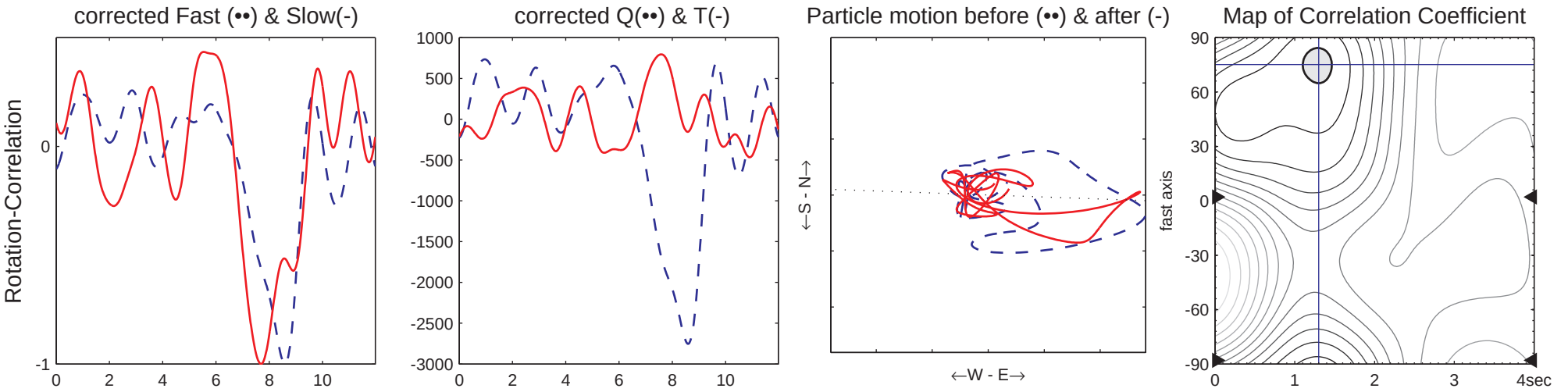


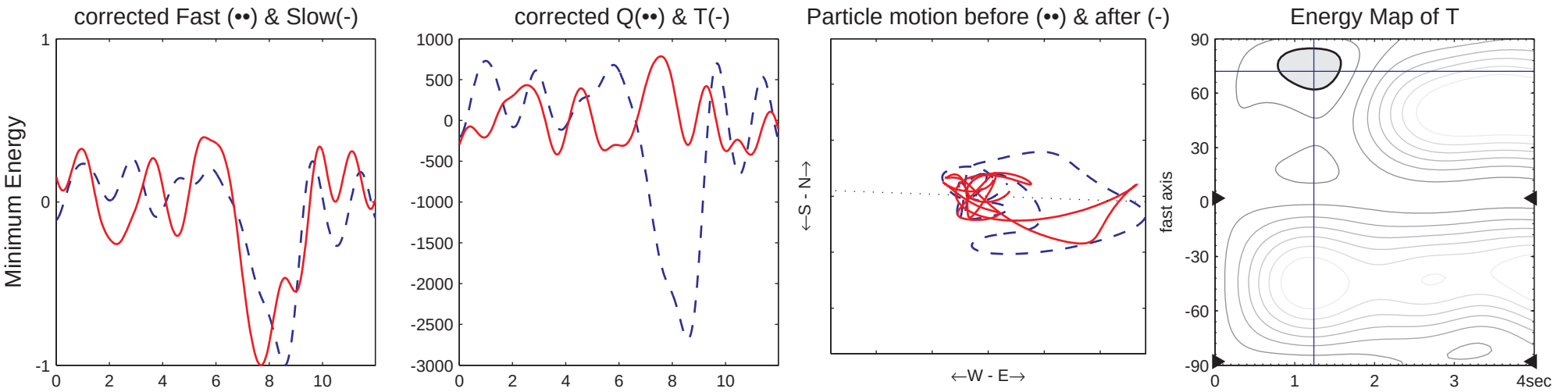
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **ERMK** Backazimuth: **272.1”** Distance: **106.41”**
init.Pol.: **104.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

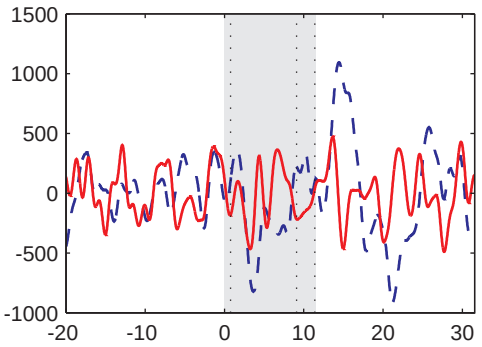
Rotation Correlation:	65<	75° <	84	1.1<1.3s<1.5
Minimum Energy:	62<	72° <	84	0.8<1.2s<1.6
Eigenvalue:	70<	82° <	-88	0.9<1.2s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





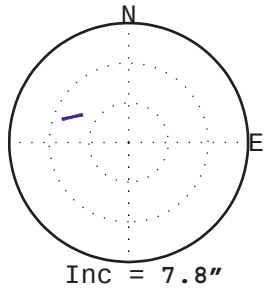


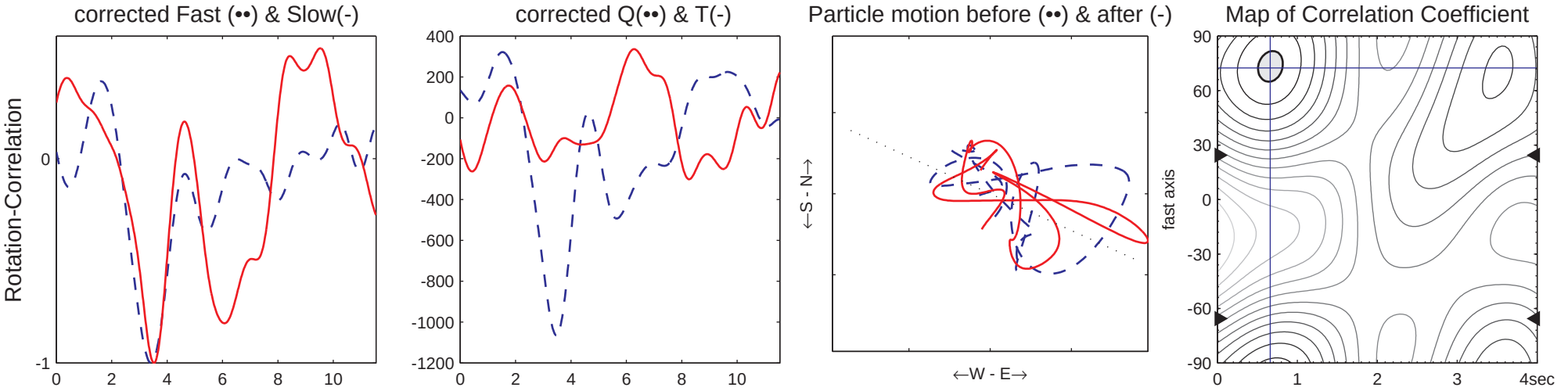


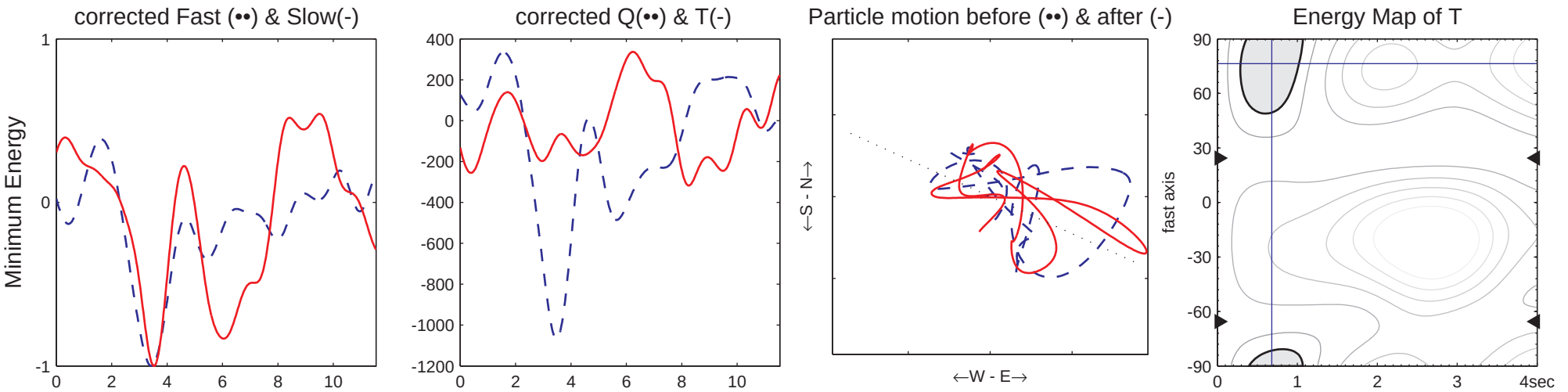
Event: **01-Jun-2010 (152) 03:26 9.33N -84.21E 18km Mw=6.0**
Station: **ERMK** Backazimuth: **294.4”** Distance: **105.32”**
init.Pol.: **120.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.1**

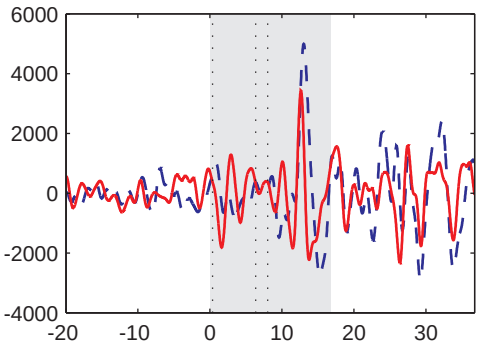
Rotation Correlation:	65<	72° <	82	0.5<0.7s<0.8
Minimum Energy:	50<	76° <	-82	0.3<0.7s<1.1
Eigenvalue:	52<	80° <	-74	0.3<0.7s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





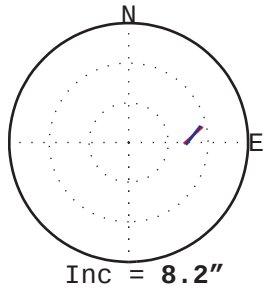


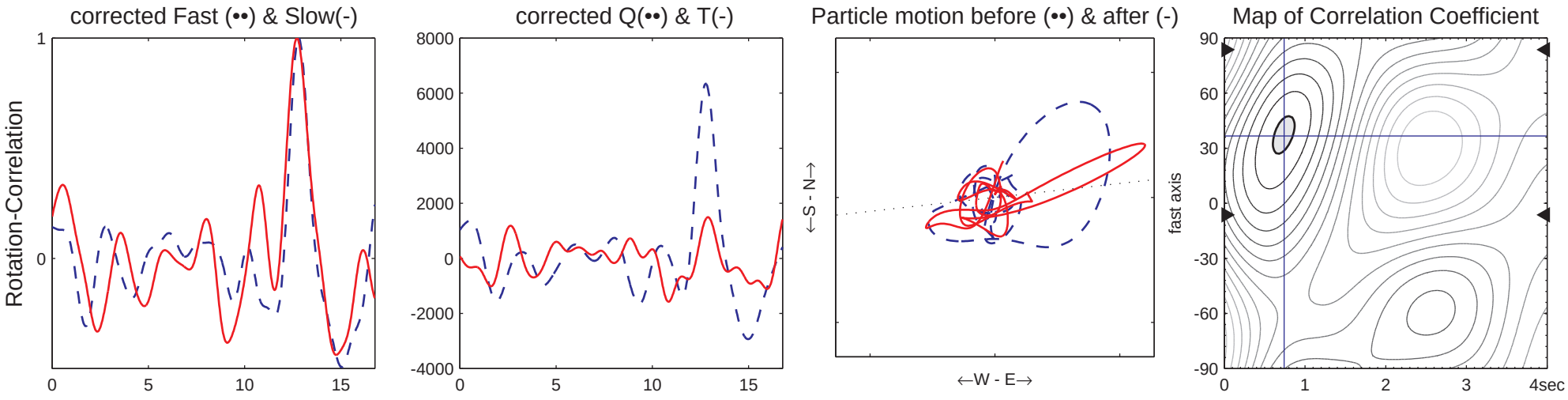


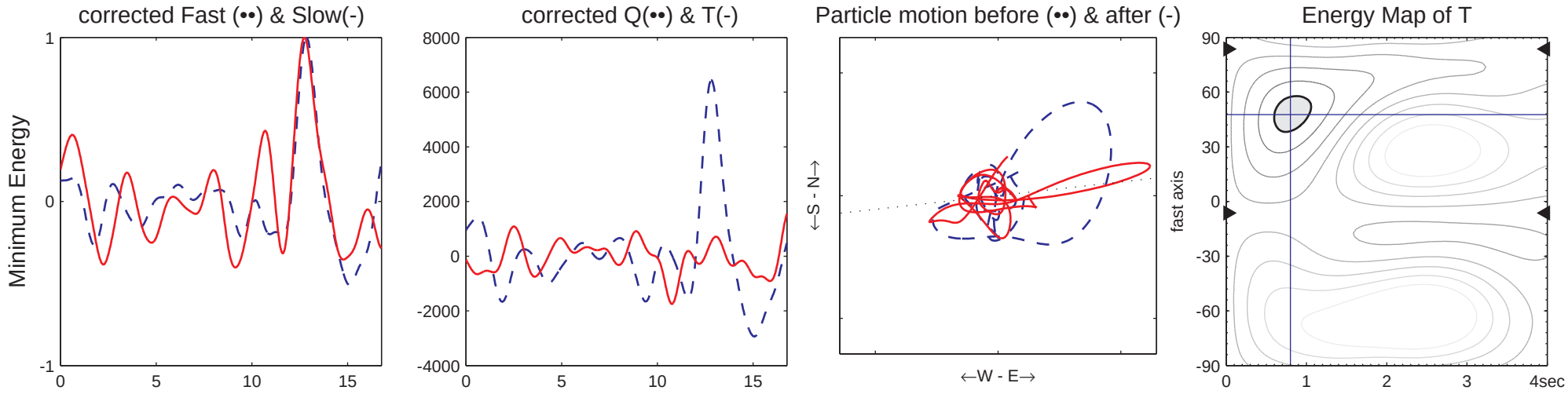
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **ERMK** Backazimuth: **83.6”** Distance: **102.42”**
init.Pol.: **253.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.5**

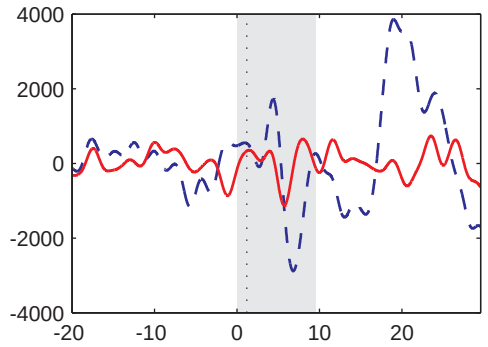
Rotation Correlation:	27<	37° <	48	0.6<0.7s<0.9
Minimum Energy:	37<	48° <	58	0.6<0.8s<1.0
Eigenvalue:	21<	40° <	56	0.5<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





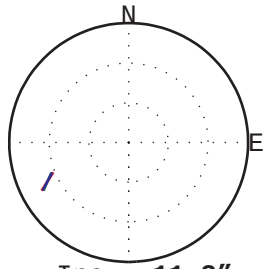




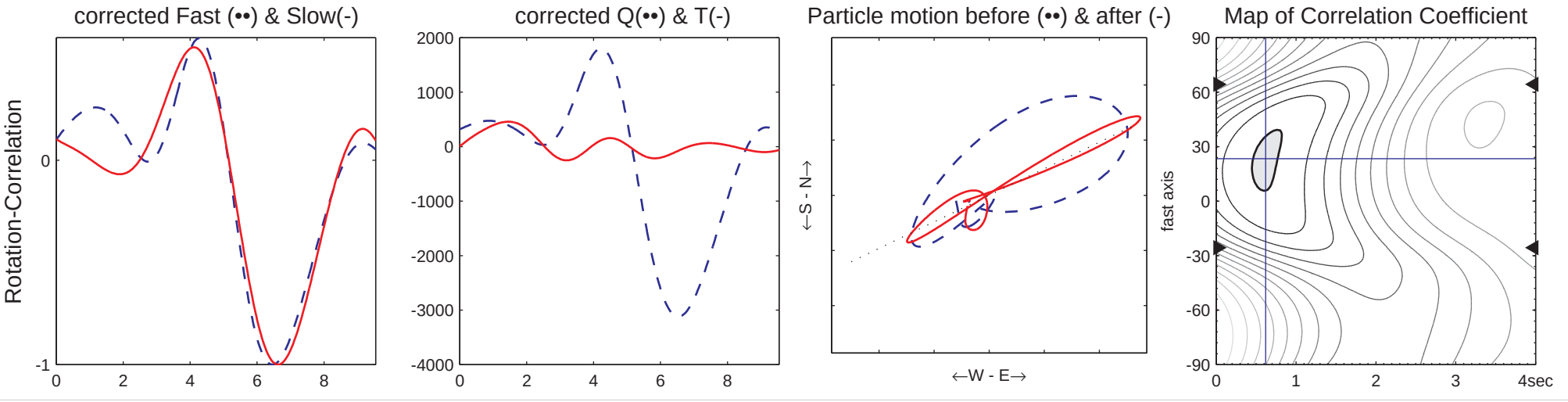
Event: **14-Jul-2010 (195) 08:32 -38.07N -73.31E 22km Mw=6.6**
Station: **ERMK** Backazimuth: **244.3”** Distance: **122.99”**
init.Pol.: **63.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.4**

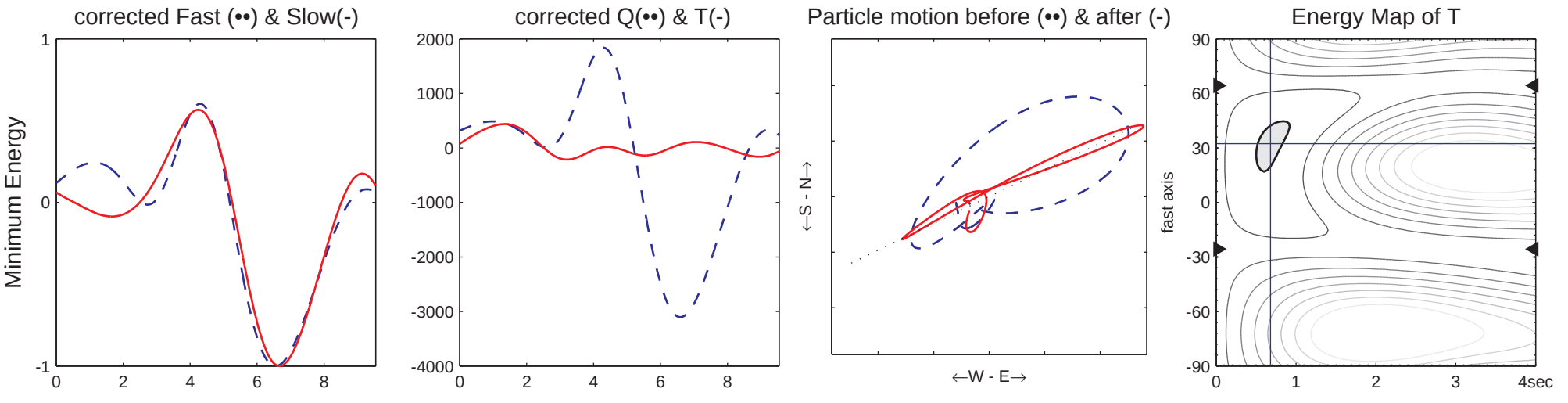
Rotation Correlation:	6<	23° <	39	0.4<0.6s<0.8
Minimum Energy:	17<	32° <	46	0.5<0.7s<0.9
Eigenvalue:	1<	28° <	50	0.5<0.6s<1.0

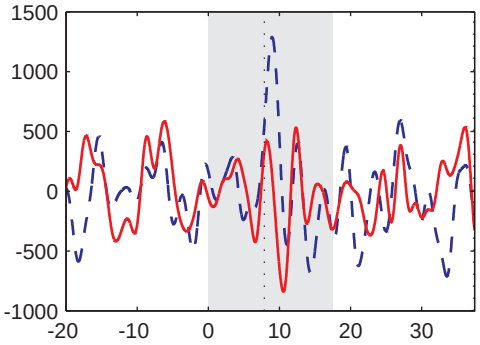
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.3”**



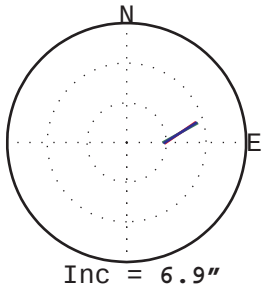


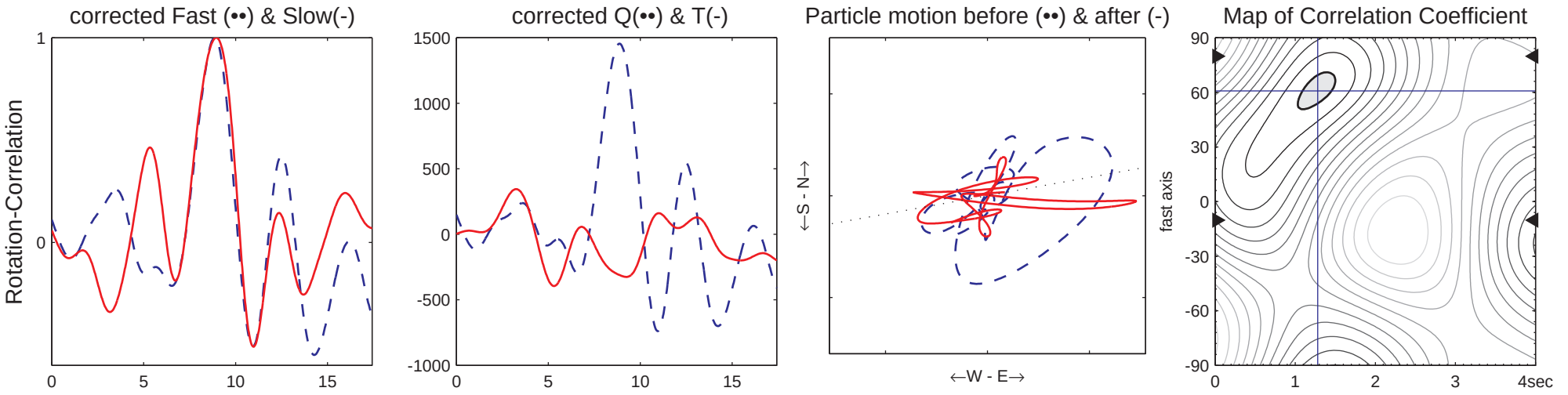


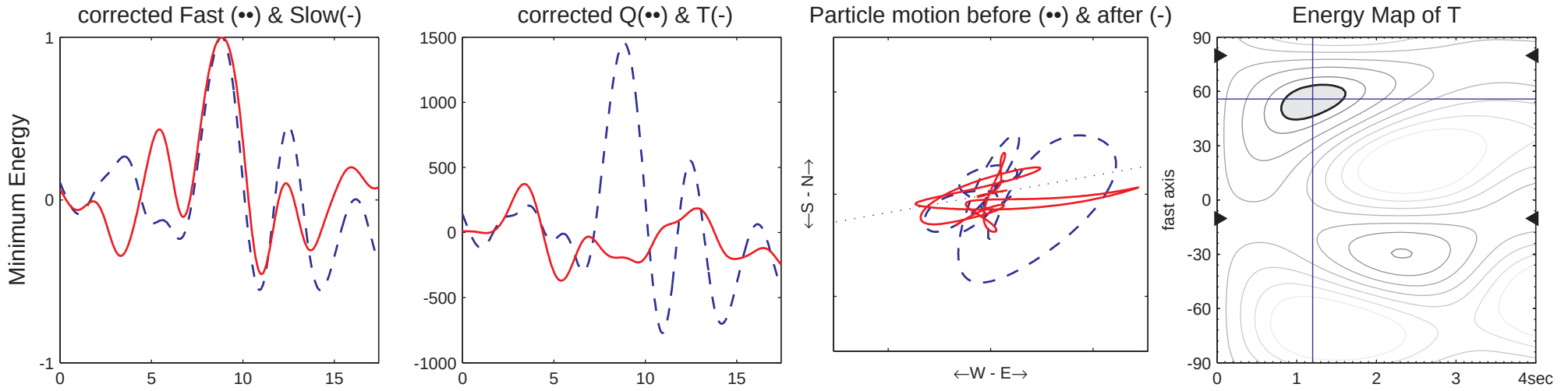
Event: **04-Aug-2010 (216) 07:15 -5.49N 146.82E 220km Mw=6.5**
Station: **ERMK** Backazimuth: **79.8”** Distance: **112.38”**
init.Pol.: **263.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.2**

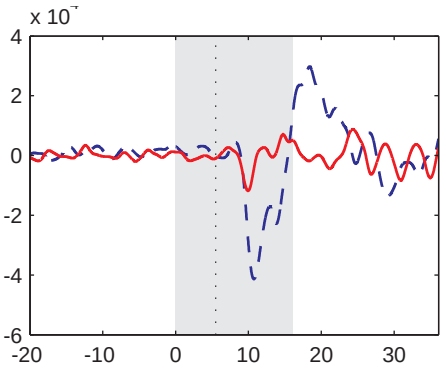
Rotation Correlation:	51<	61° <	71	1.0<1.3s<1.5
Minimum Energy:	43<	56° <	64	0.8<1.2s<1.6
Eigenvalue:	39<	58° <	72	0.8<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





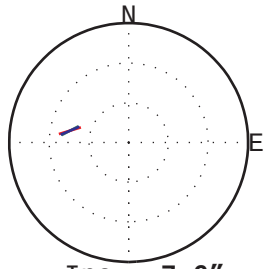


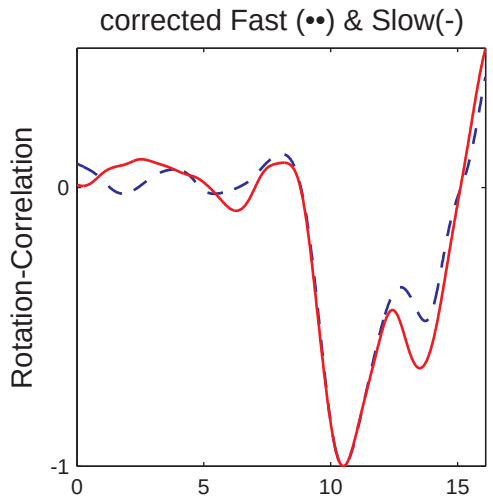


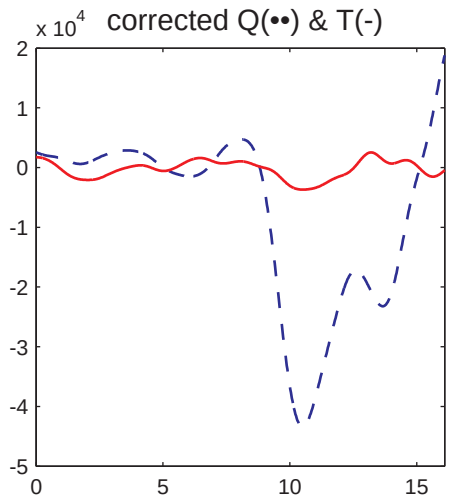
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **ERMK** Backazimuth: **281.4”** Distance: **106.88”**
init.Pol.: **99.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**15.3**

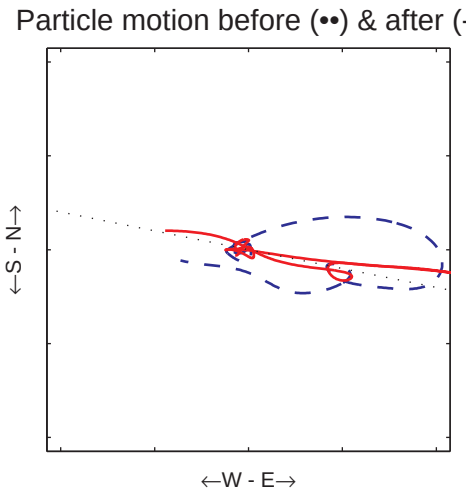
Rotation Correlation:	49<	62° <	74	0.4<0.6s<0.8
Minimum Energy:	62<	73° <	82	0.5<0.7s<0.9
Eigenvalue:	48<	67° <	80	0.5<0.6s<0.9

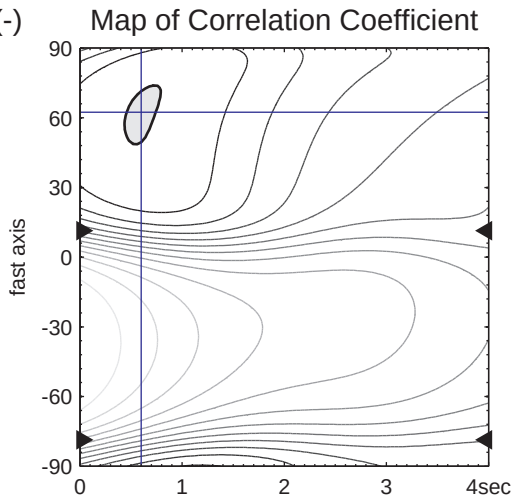
Quality: **fair** IsNull: **No** Phase: **SKS**

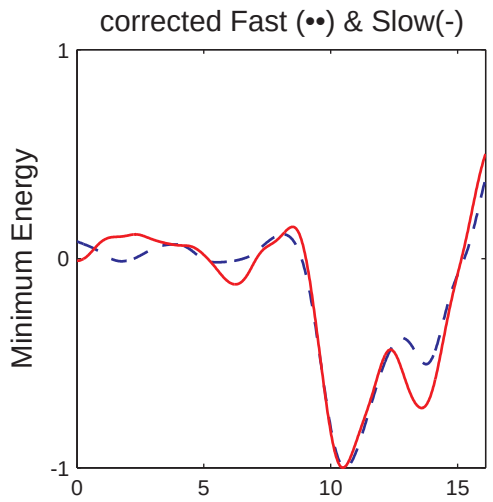


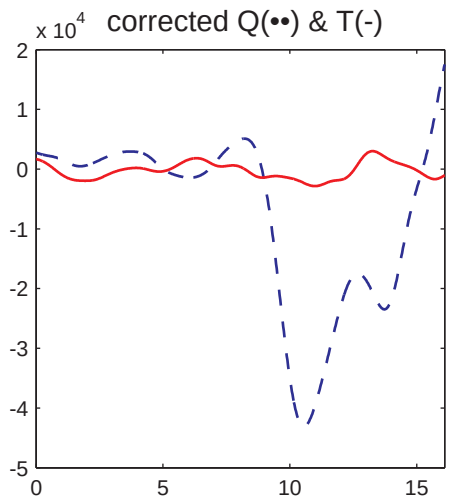


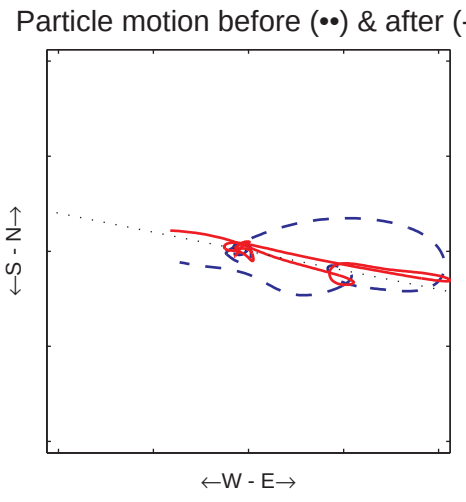


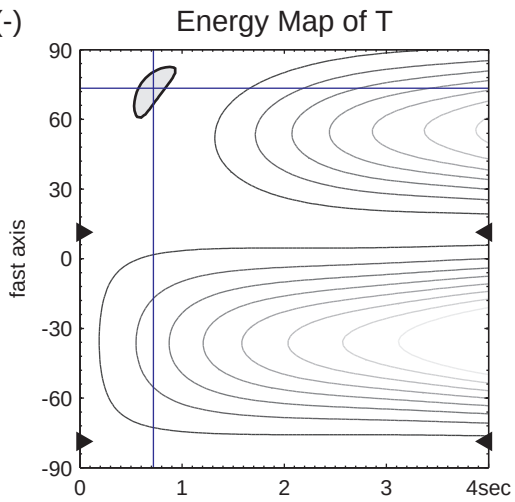


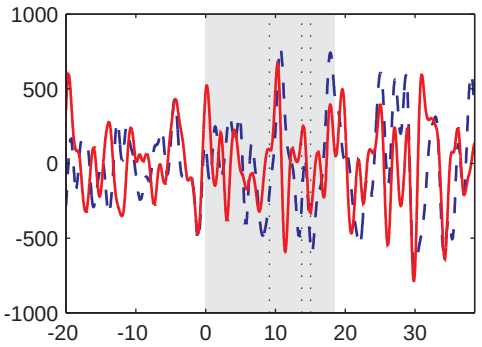








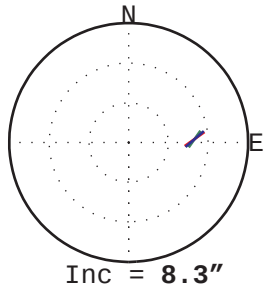


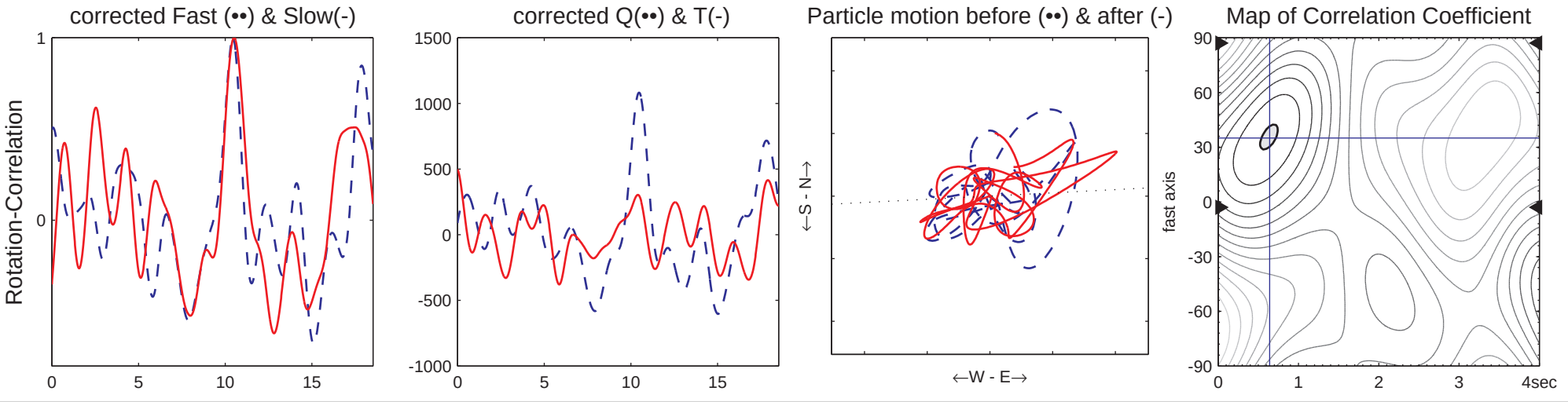


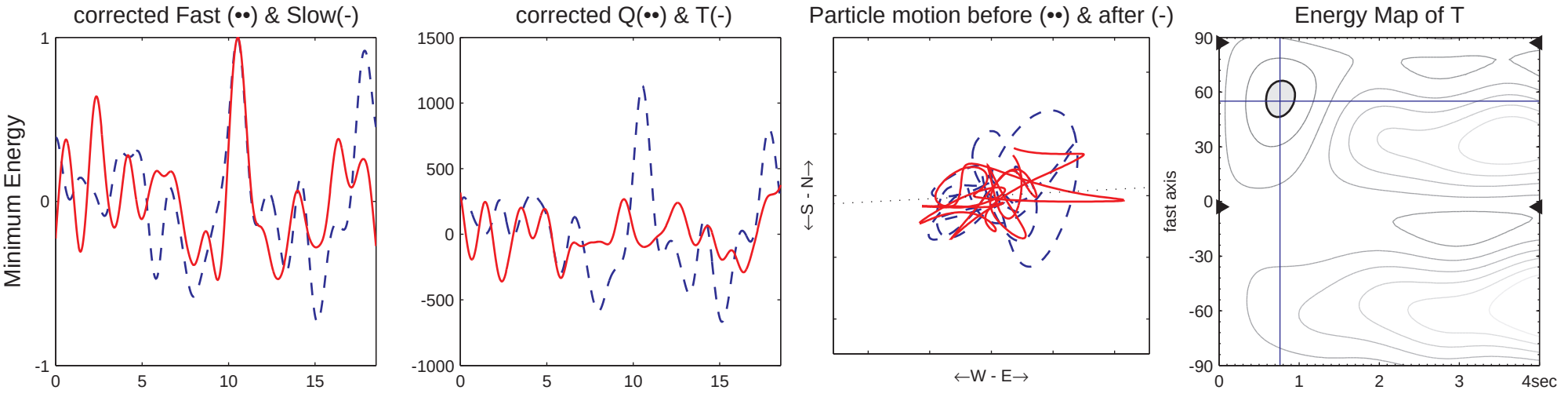
Event: **03-Nov-2010 (307) 11:18 -4.62N 134.07E 10km Mw=6.0**
Station: **ERMK** Backazimuth: **87.0”** Distance: **101.70”**
init.Pol.: **256.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.4**

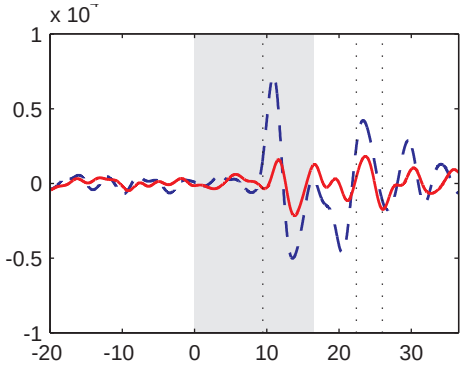
Rotation Correlation:	29<	35° <	43	0.5<0.6s<0.8
Minimum Energy:	46<	55° <	66	0.6<0.8s<1.0
Eigenvalue:	35<	49° <	62	0.6<0.8s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





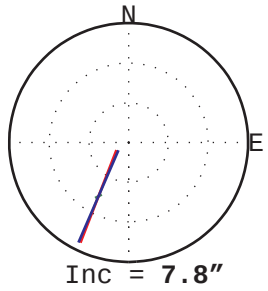


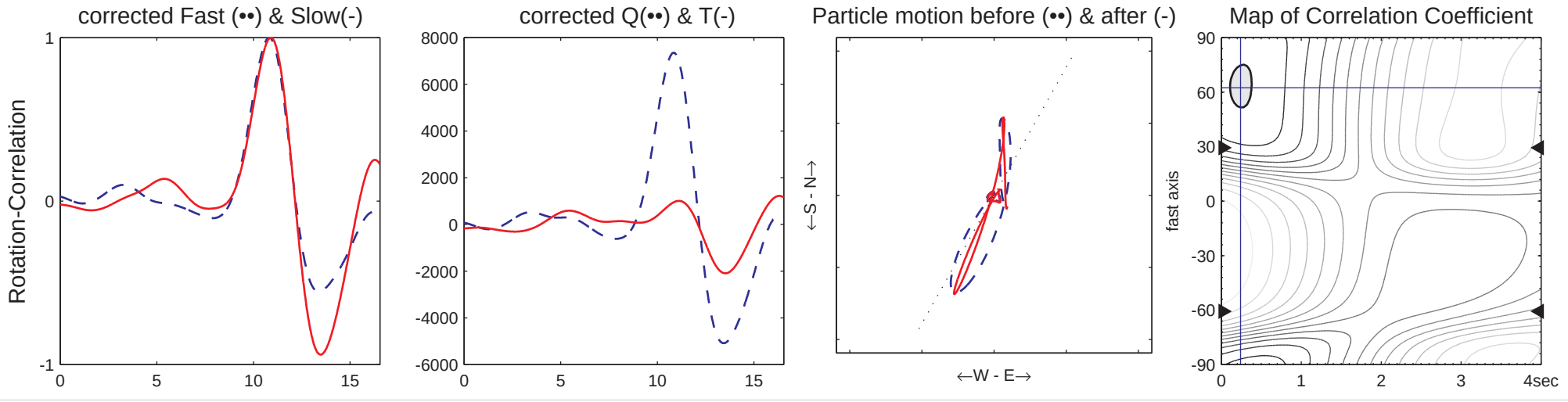


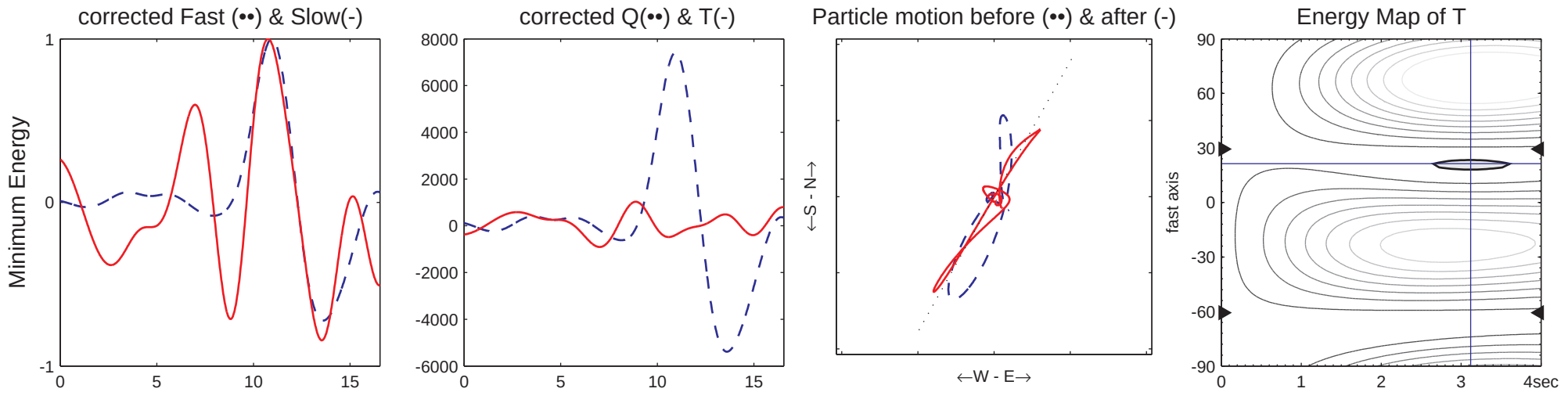
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **ERMK** Backazimuth: **209.4”** Distance: **105.44”**
init.Pol.: **34.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.3**

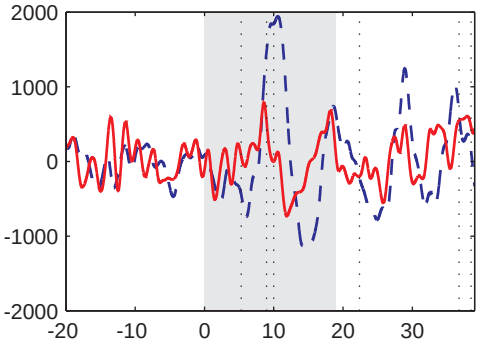
Rotation Correlation:	52<	62° <	75	0.1<0.2s<0.4
Minimum Energy:	17<	21° <	23	2.6<3.1s<3.6
Eigenvalue:	19<	23° <	27	2.8<3.2s<3.5

Quality: **good** IsNull: **Yes** Phase: **SKS**





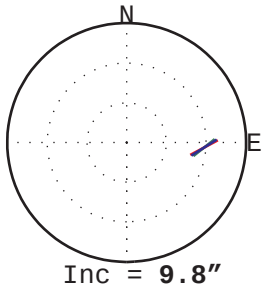


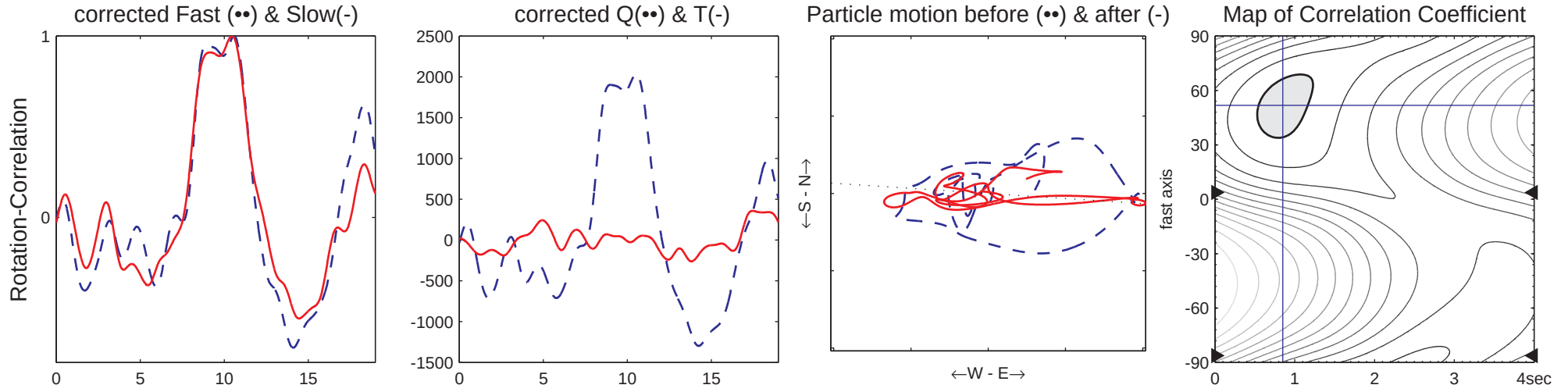


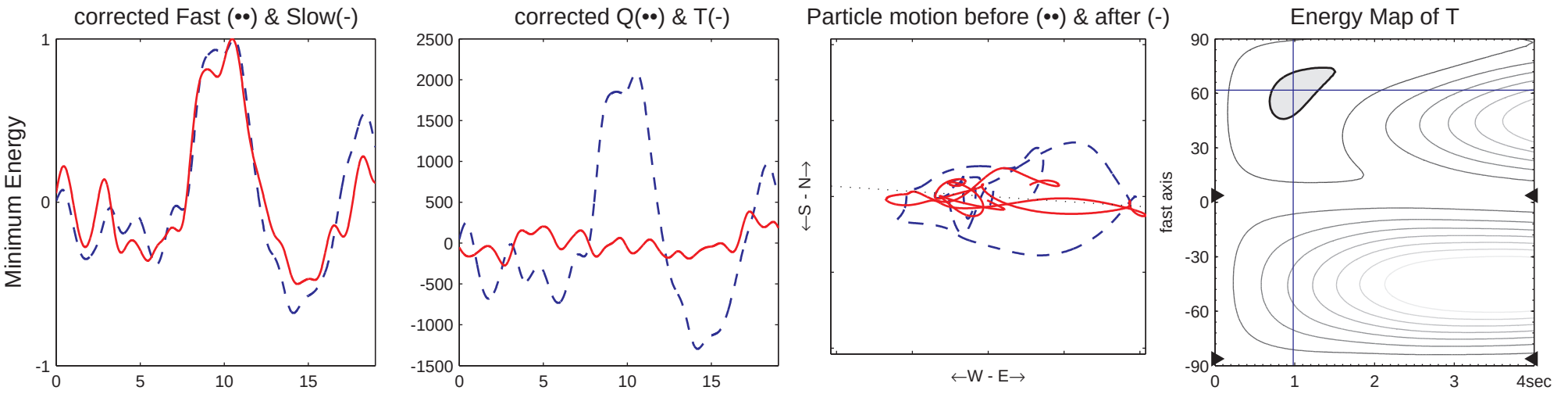
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **ERMK** Backazimuth: **93.8”** Distance: **92.62”**
init.Pol.: **271.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.3**

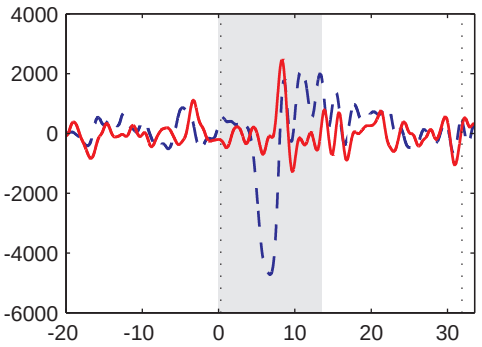
Rotation Correlation:	34<	52° <	69	0.5<0.8s<1.2
Minimum Energy:	46<	62° <	74	0.7<1.0s<1.5
Eigenvalue:	37<	58° <	76	0.7<0.9s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





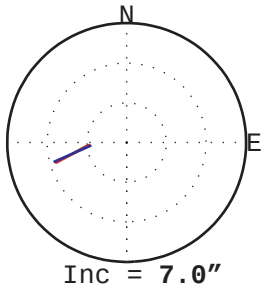


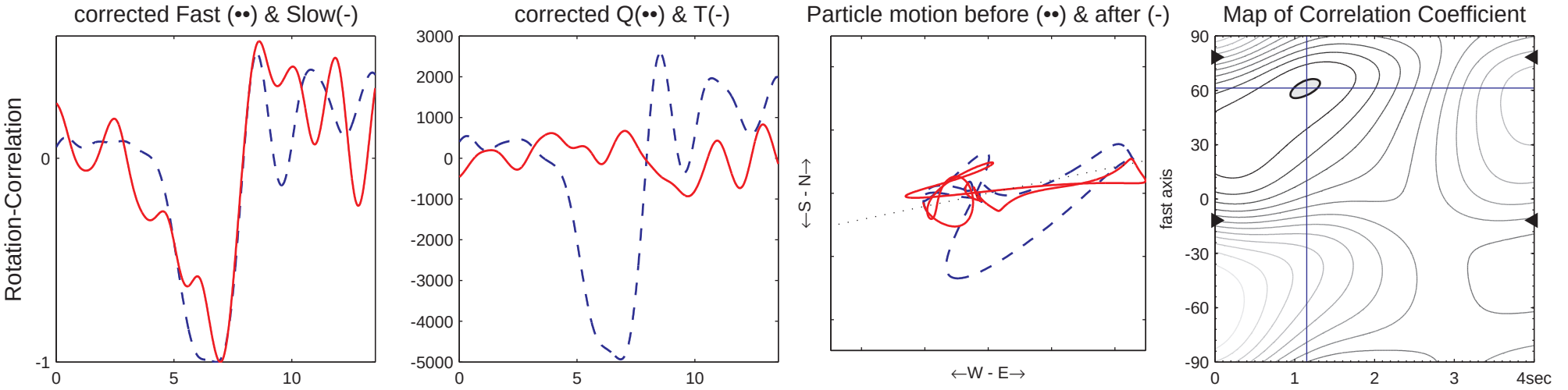


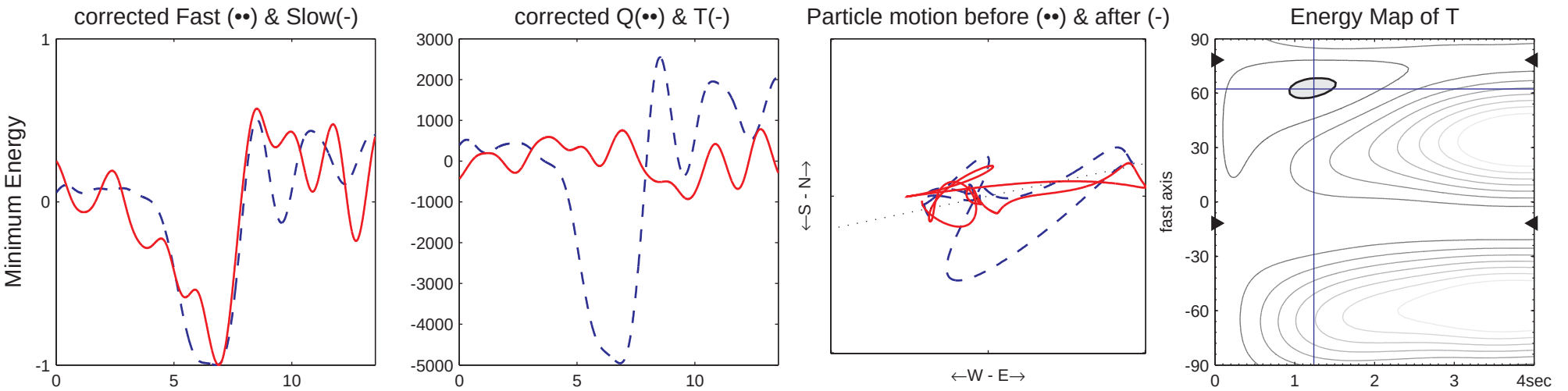
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **ERMK** Backazimuth: **258.3”** Distance: **111.39”**
init.Pol.: **84.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

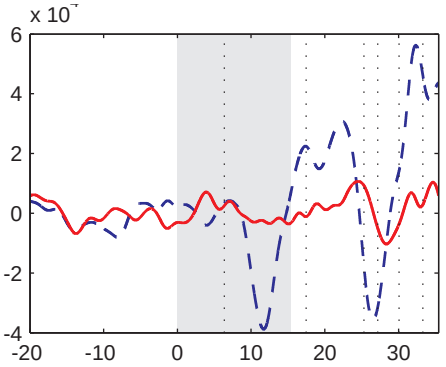
Rotation Correlation:	56<	61° <	66	0.9<1.2s<1.3
Minimum Energy:	58<	62° <	68	0.9<1.2s<1.5
Eigenvalue:	62<	66° <	72	1.0<1.3s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





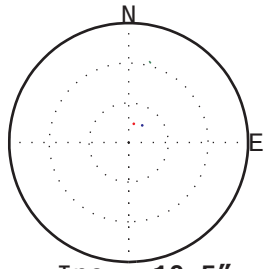




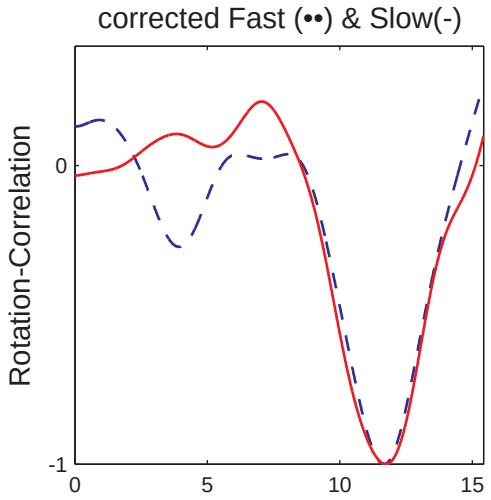
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **ERMK** Backazimuth: **14.9”** Distance: **88.71”**
init.Pol.: **178.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

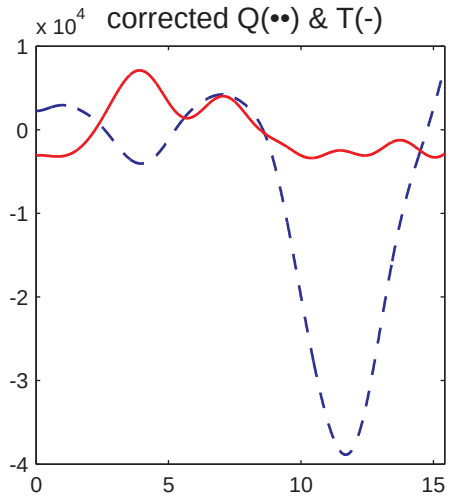
Rotation Correlation:	35<	55° <	78	0.0<0.1s<0.6
Minimum Energy:	-Inf<	15° <	Inf	0.0<4.0s<Inf
Eigenvalue:	3<	7° <	13	3.5<4.0s<4.0

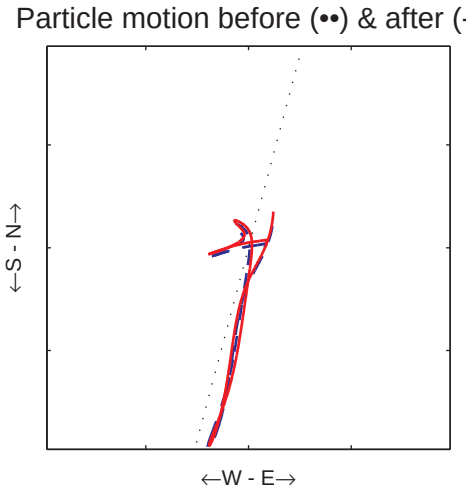
Quality: **good** IsNull: **Yes** Phase: **SKS**

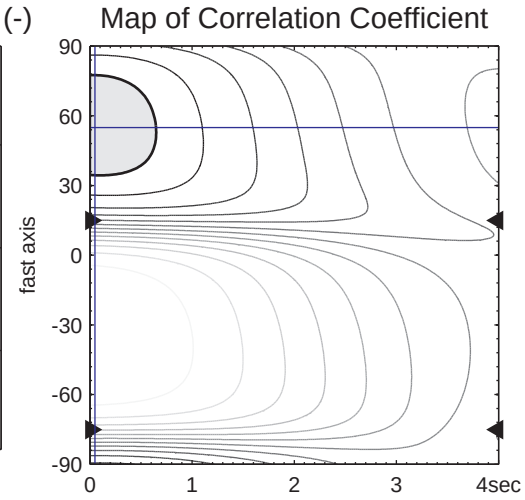


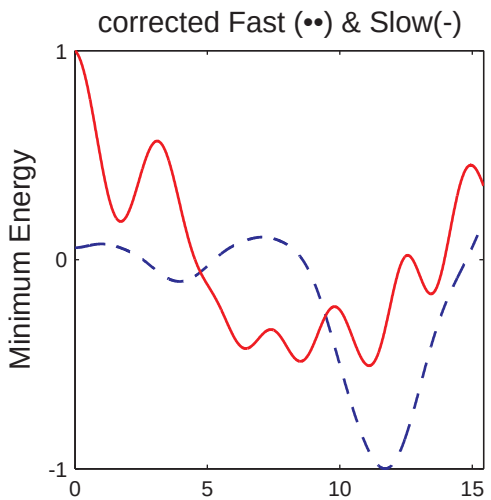
Inc = **10.5”**

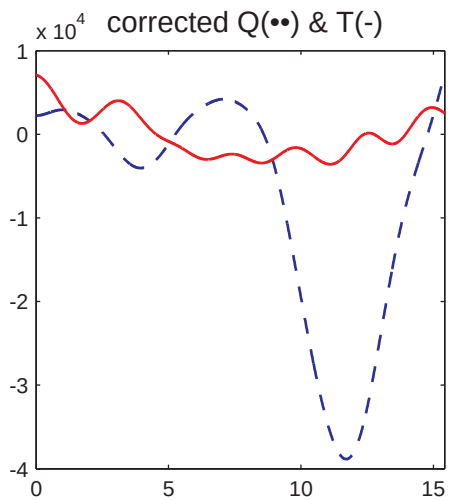


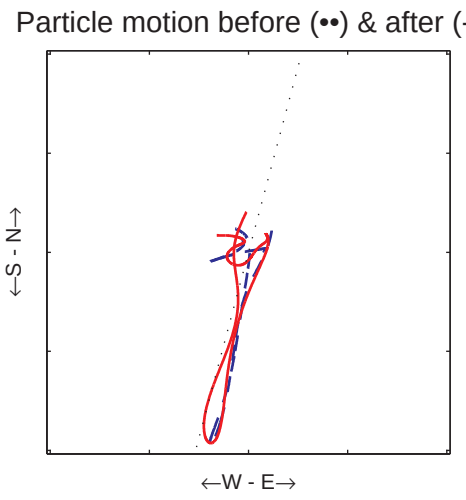


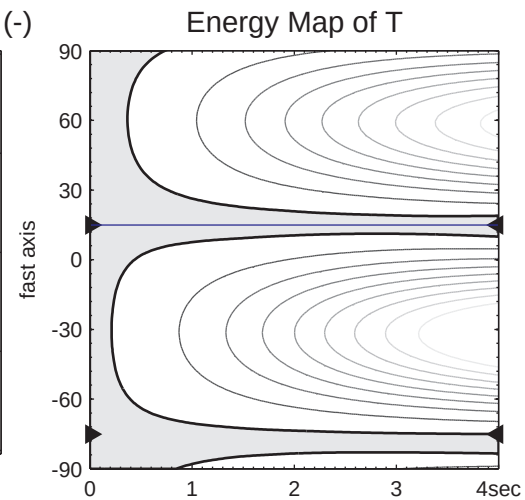


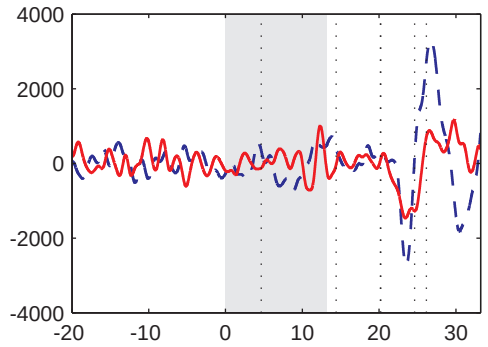








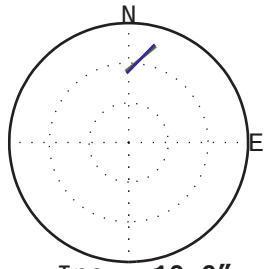




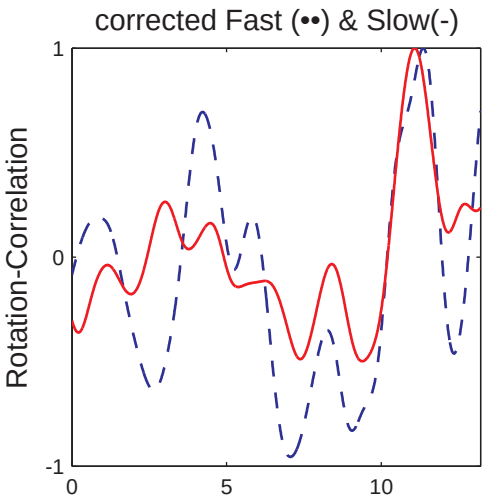
Event: **16-Jul-2011 (197) 19:59 54.79N -161.29E 36km Mw=6.1**
Station: **ERMK** Backazimuth: **8.1”** Distance: **87.76”**
init.Pol.: **183.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.1**

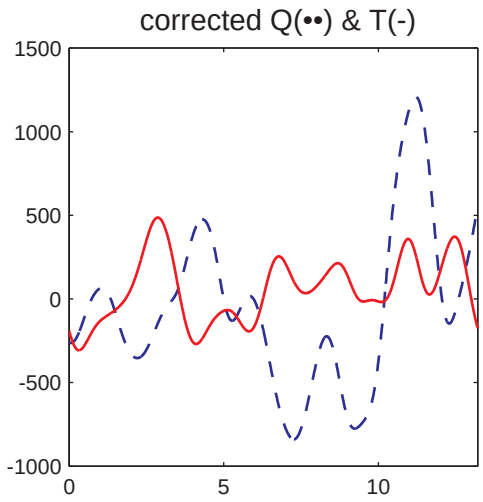
Rotation Correlation:	47<	51° <	58	1.1<1.2s<1.3
Minimum Energy:	41<	46° <	56	1.0<1.2s<1.5
Eigenvalue:	37<	44° <	54	1.1<1.3s<1.5

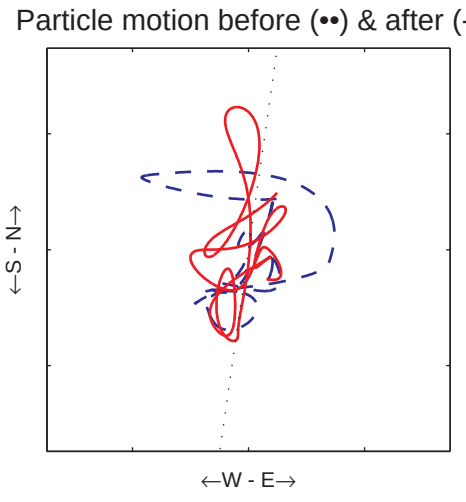
Quality: **good** IsNull: **No** Phase: **SKS**

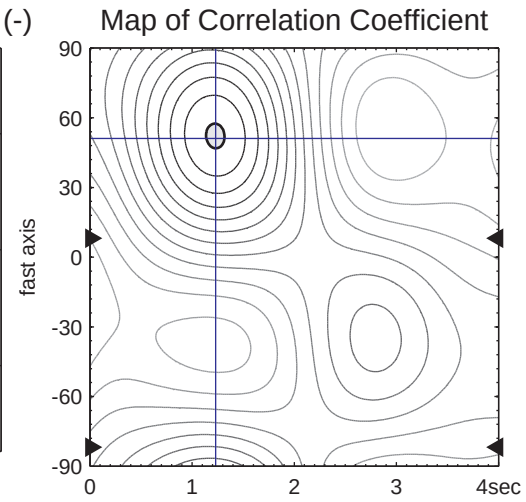


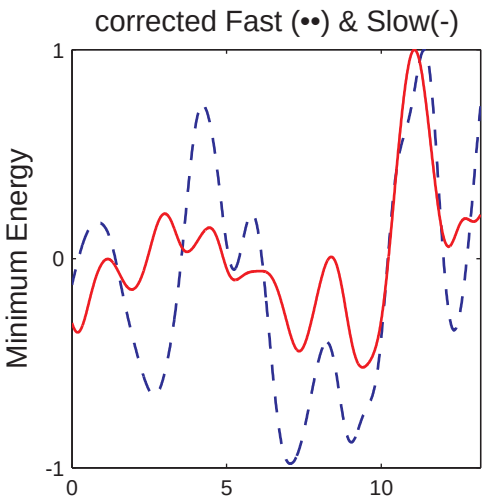
Inc = **10.6”**

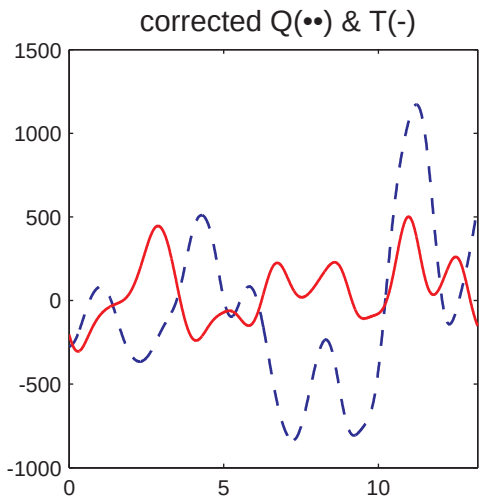


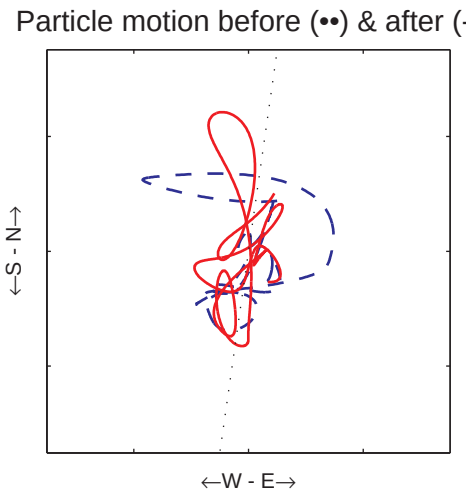


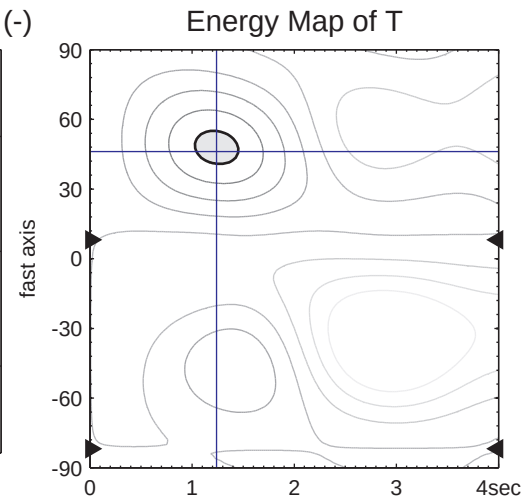


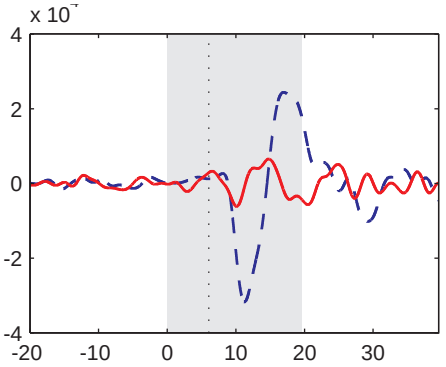








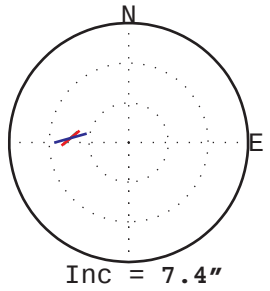


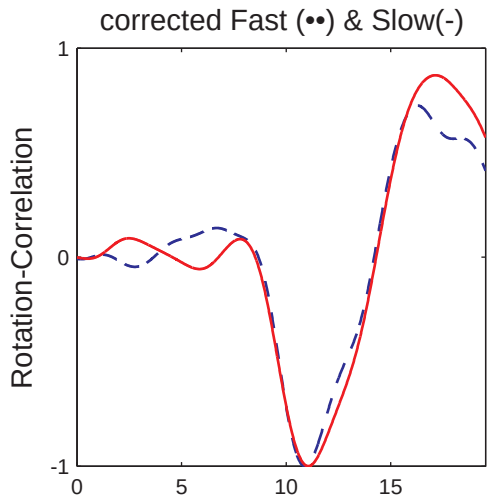


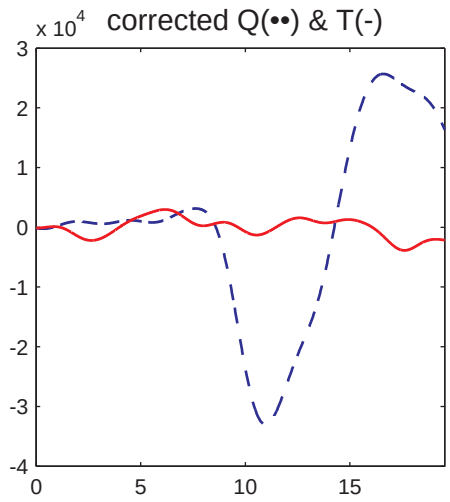
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **ERMK** Backazimuth: **274.3”** Distance: **108.52”**
init.Pol.: **99.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.6**

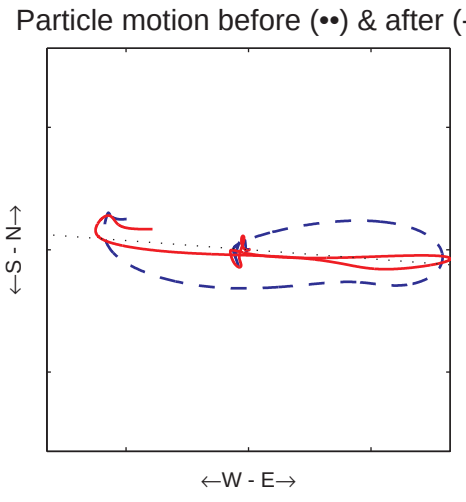
Rotation Correlation:	30<	48° <	71	0.3<0.6s<1.0
Minimum Energy:	25<	50° <	76	0.5<0.7s<1.1
Eigenvalue:	48<	74° <	88	0.6<1.1s<1.7

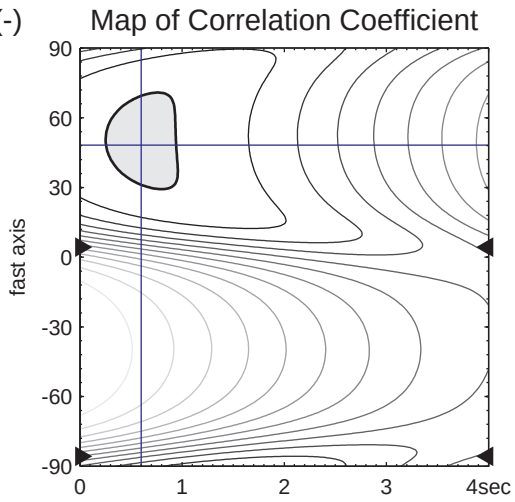
Quality: **fair** IsNull: **No** Phase: **SKS**

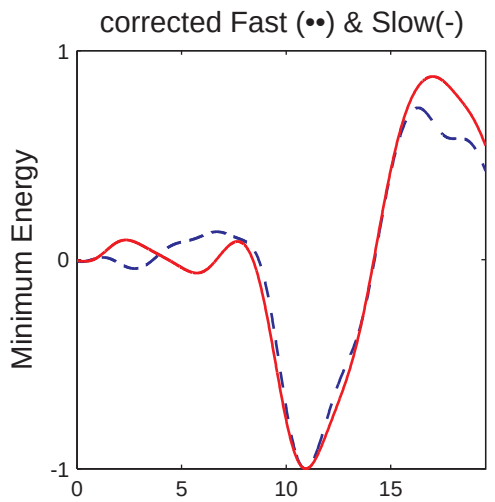


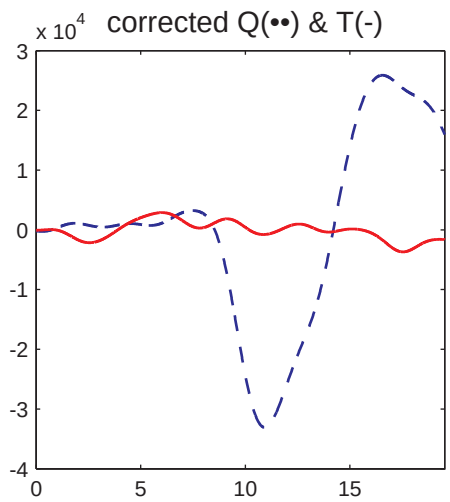


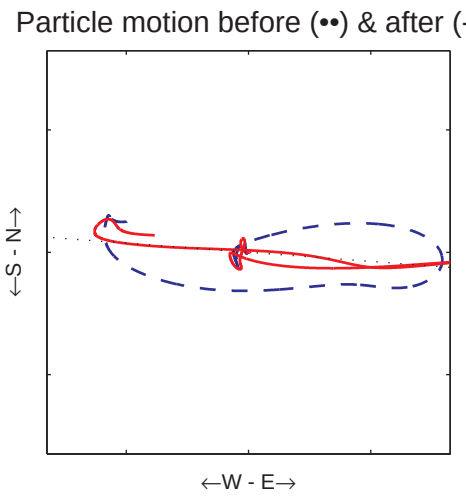


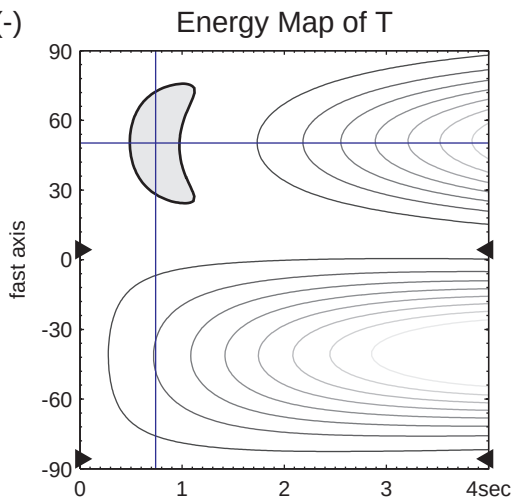


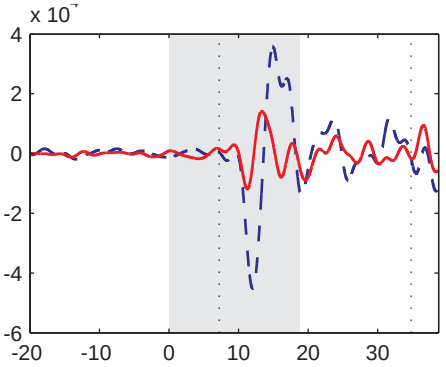








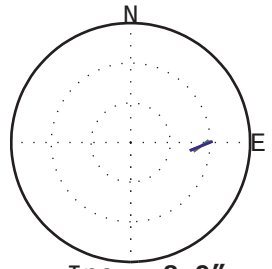


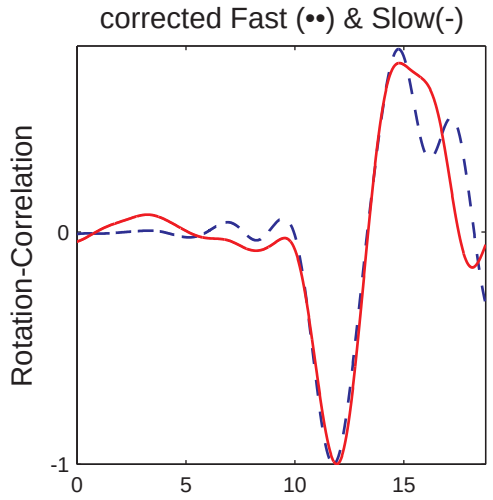


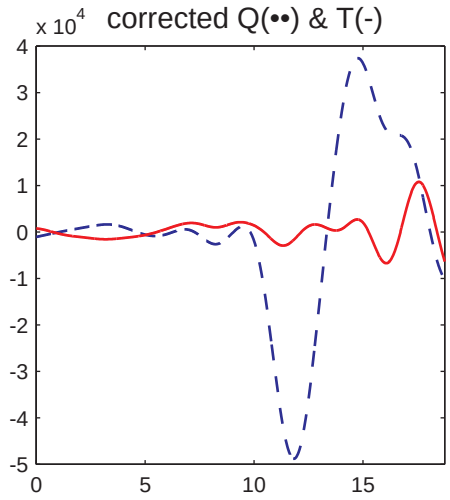
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **ERMK** Backazimuth: **92.8”** Distance: **96.87”**
init.Pol.: **274.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.9**

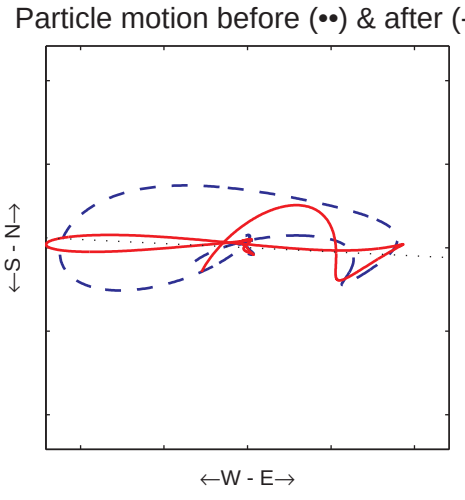
Rotation Correlation:	41<	53° <	67	0.4<0.6s<0.8
Minimum Energy:	50<	67° <	78	0.5<0.7s<1.1
Eigenvalue:	46<	69° <	82	0.5<0.8s<1.2

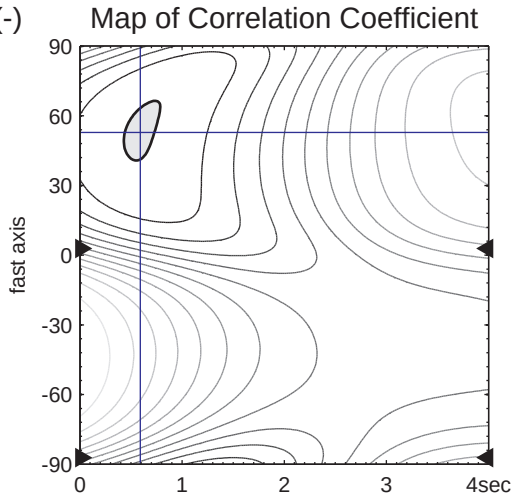
Quality: **fair** IsNull: **No** Phase: **SKS**

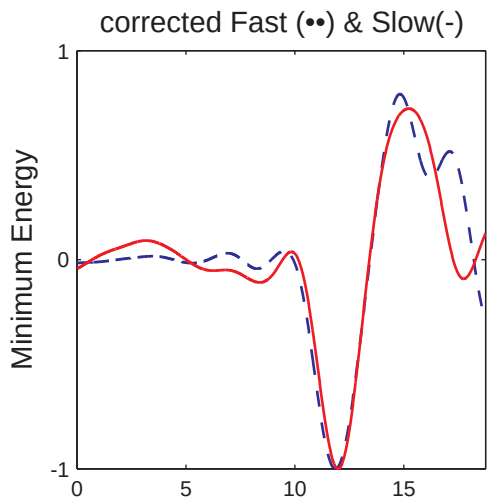


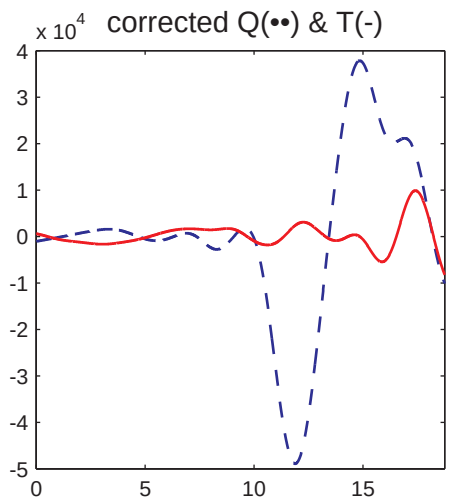


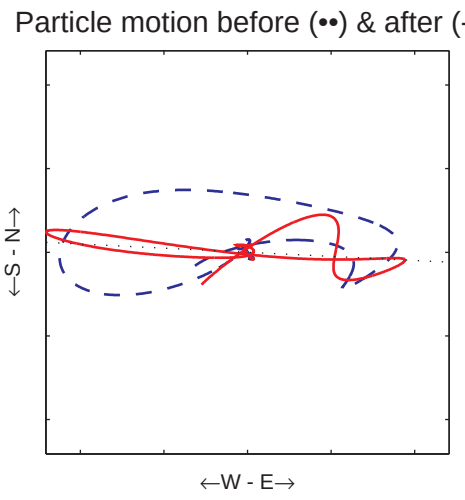


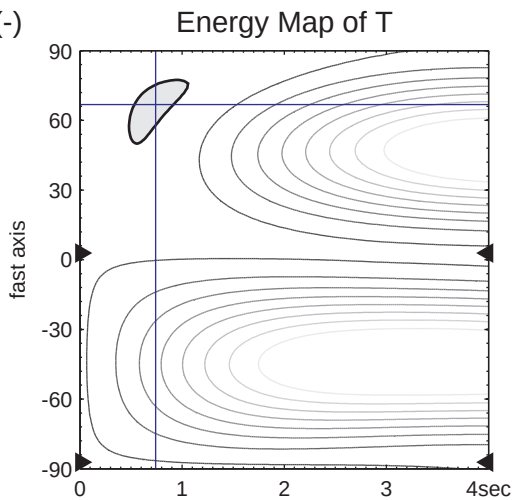


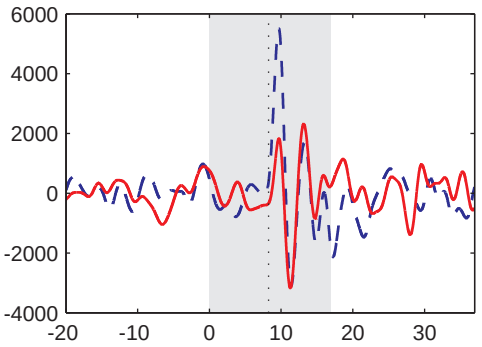








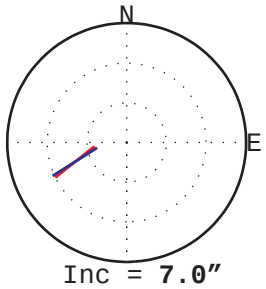


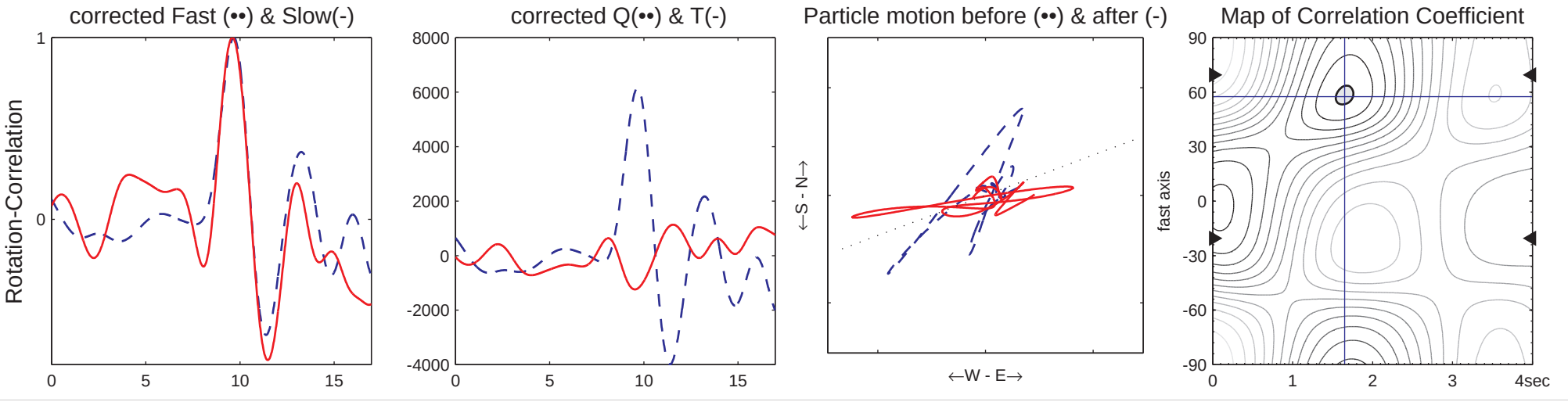


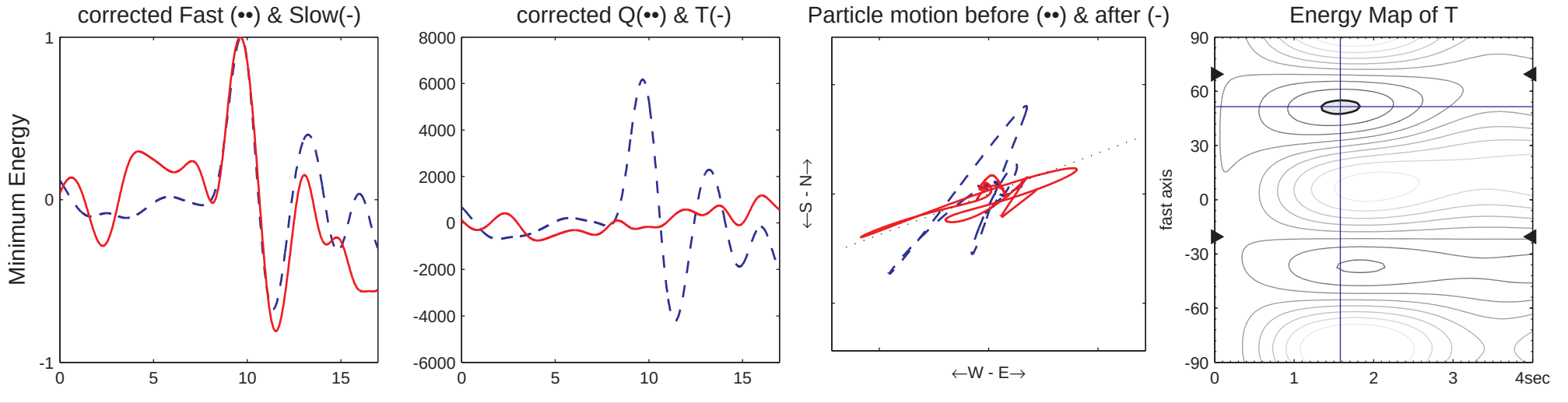
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **ERMK** Backazimuth: **249.5”** Distance: **110.91”**
init.Pol.: **81.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

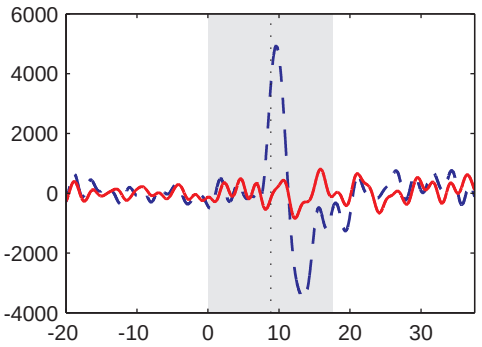
Rotation Correlation:	53<	57° <	64	1.5<1.7s<1.8
Minimum Energy:	48<	51° <	56	1.3<1.6s<1.8
Eigenvalue:	50<	57° <	66	1.4<1.6s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





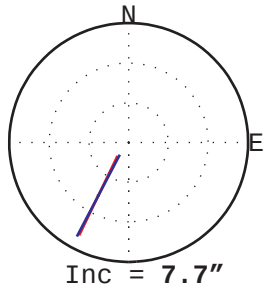


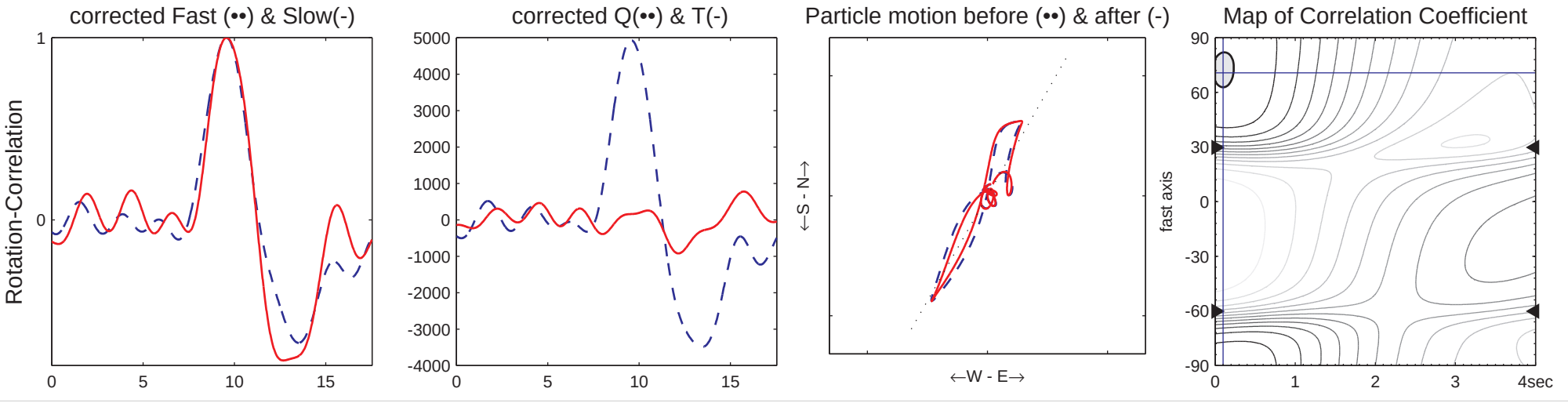


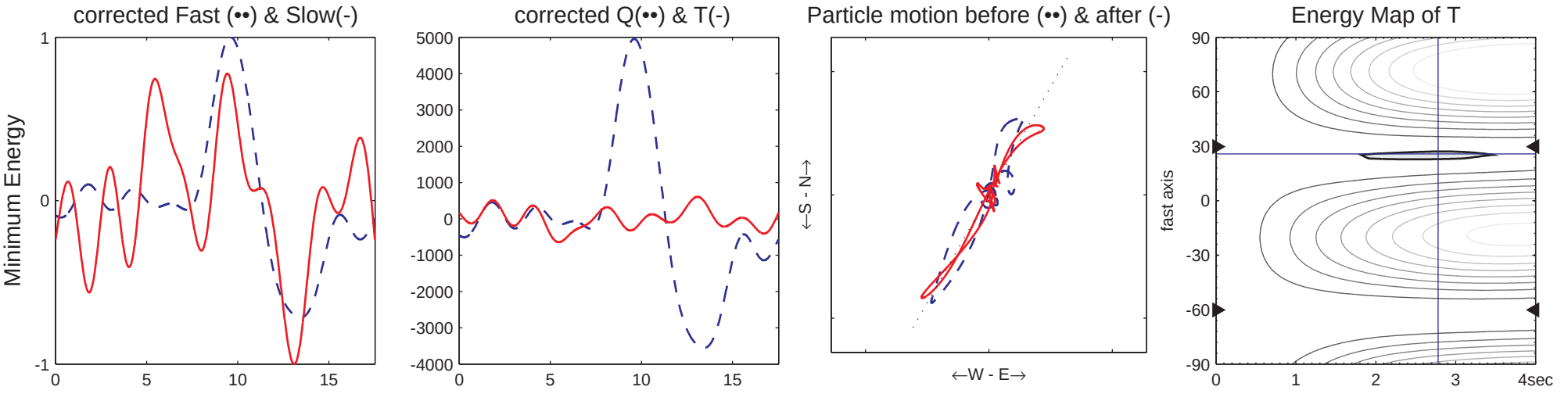
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **ERMK** Backazimuth: **209.8”** Distance: **105.91”**
init.Pol.: **34.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.8**

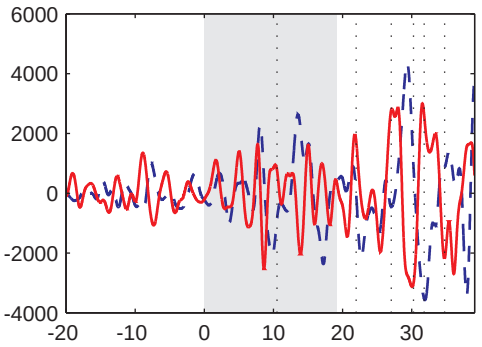
Rotation Correlation:	63<	71° <	82	0.0<0.1s<0.2
Minimum Energy:	23<	26° <	27	1.8<2.8s<3.5
Eigenvalue:	23<	28° <	29	2.1<2.9s<3.5

Quality: **good** IsNull: **Yes** Phase: **SKS**





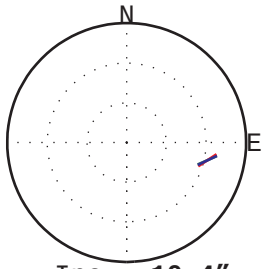




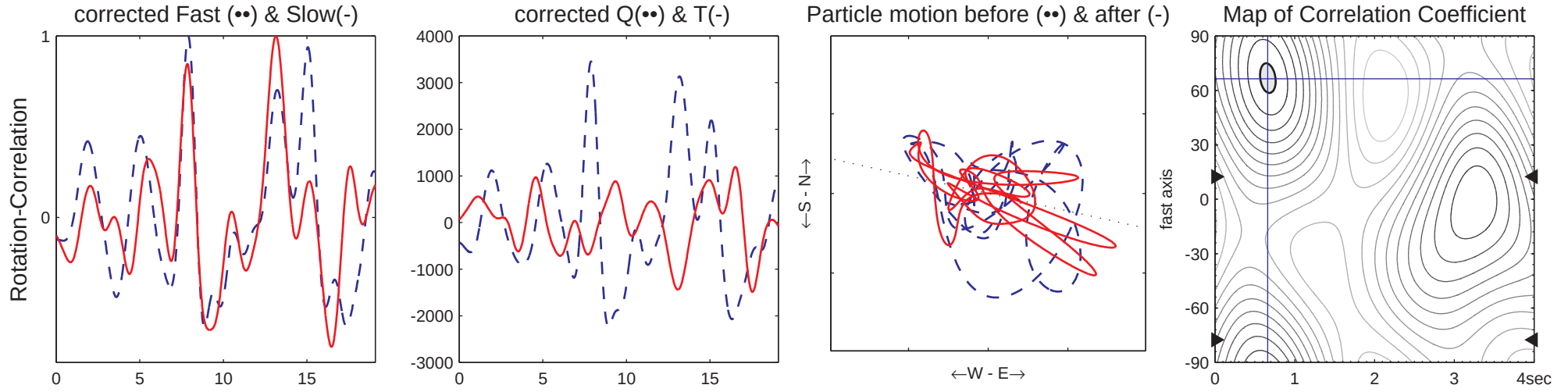
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **ERMK** Backazimuth: **102.5”** Distance: **88.99”**
init.Pol.: **293.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

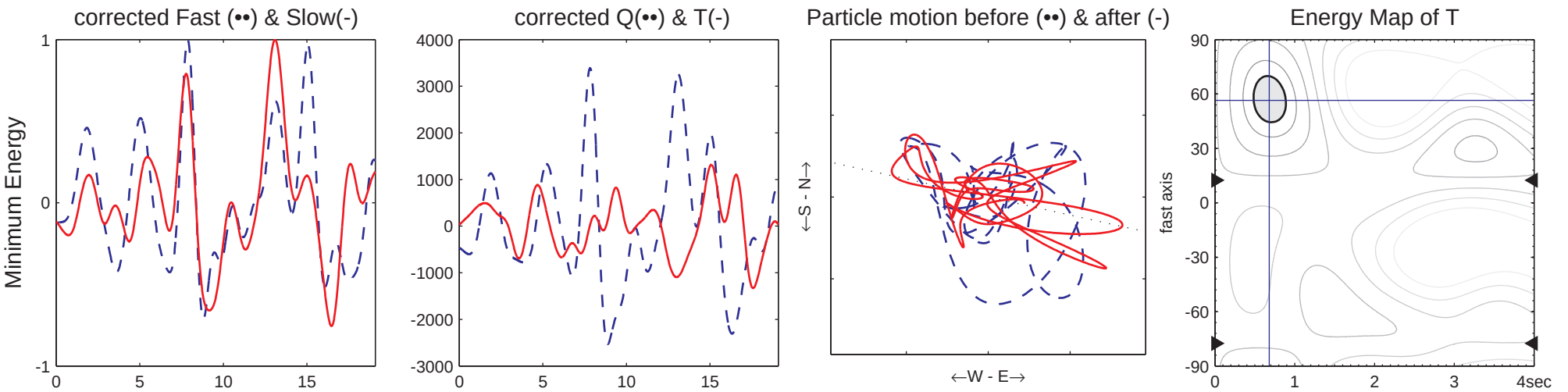
Rotation Correlation:	59<	66° <	75	0.6<0.7s<0.8
Minimum Energy:	43<	56° <	70	0.5<0.7s<0.9
Eigenvalue:	50<	64° <	84	0.5<0.7s<0.9

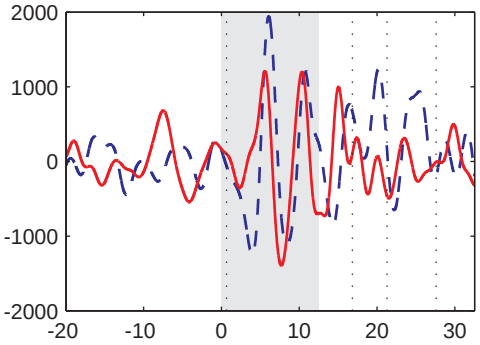
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



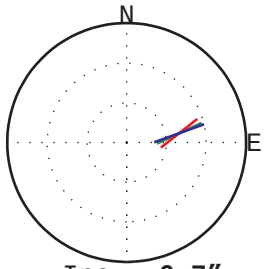


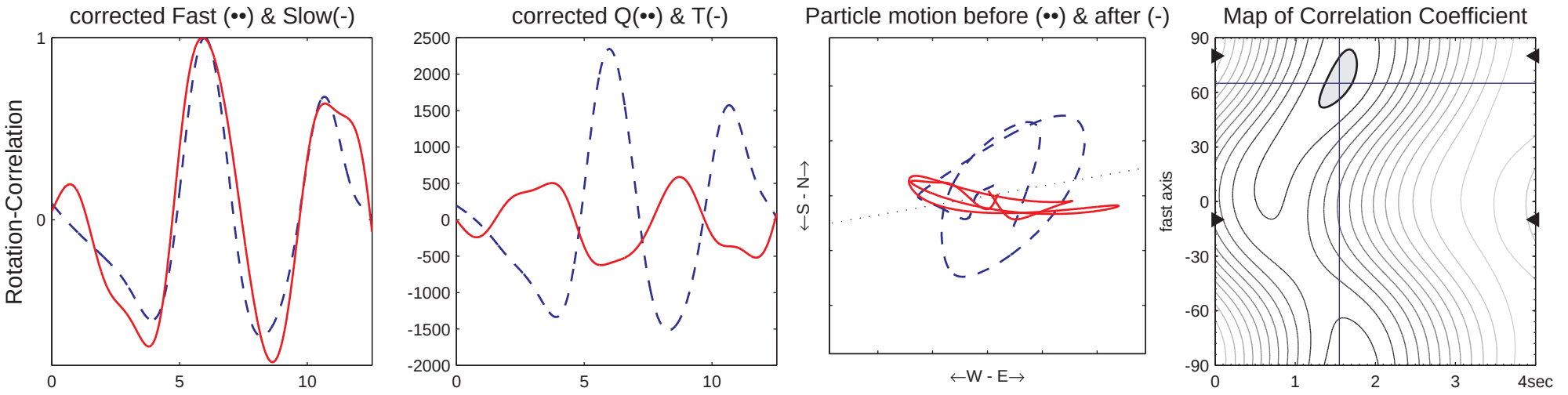


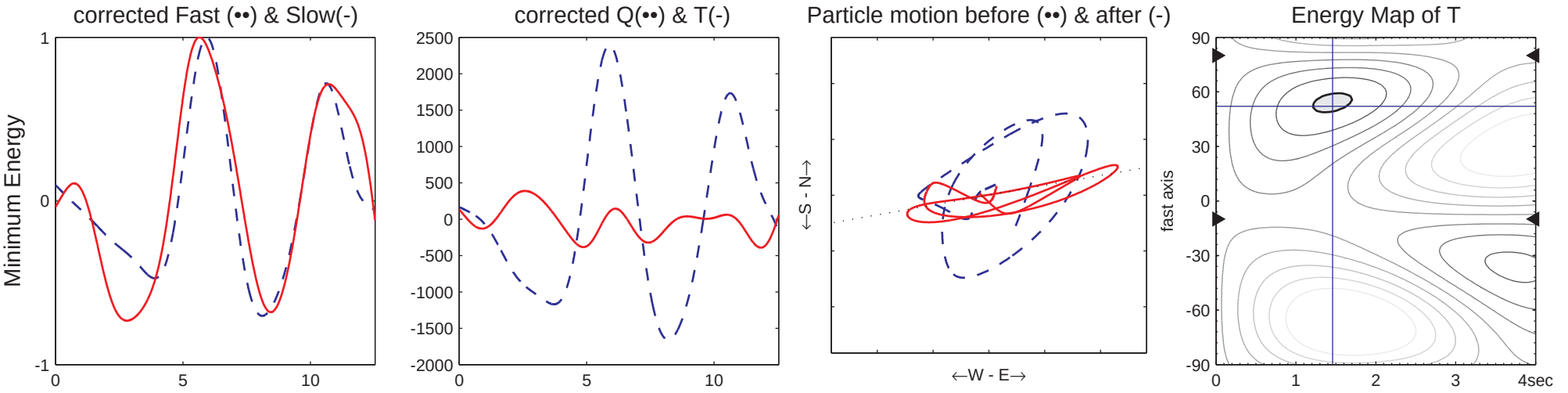
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **ERMK** Backazimuth: **80.0”** Distance: **113.88”**
init.Pol.: **284.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

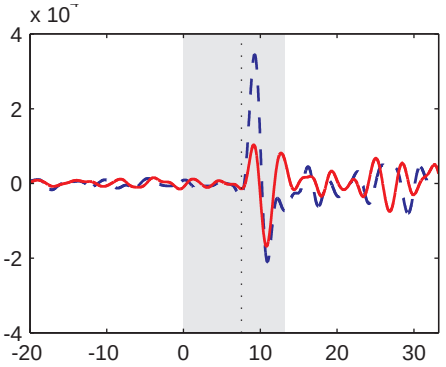
Rotation Correlation:	52<	65° <	84	1.3<1.6s<1.8
Minimum Energy:	50<	52° <	60	1.2<1.5s<1.7
Eigenvalue:	60<	70° <	88	1.5<1.7s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





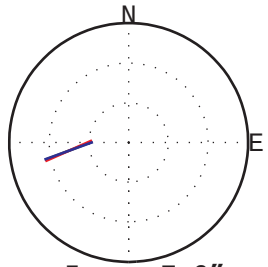


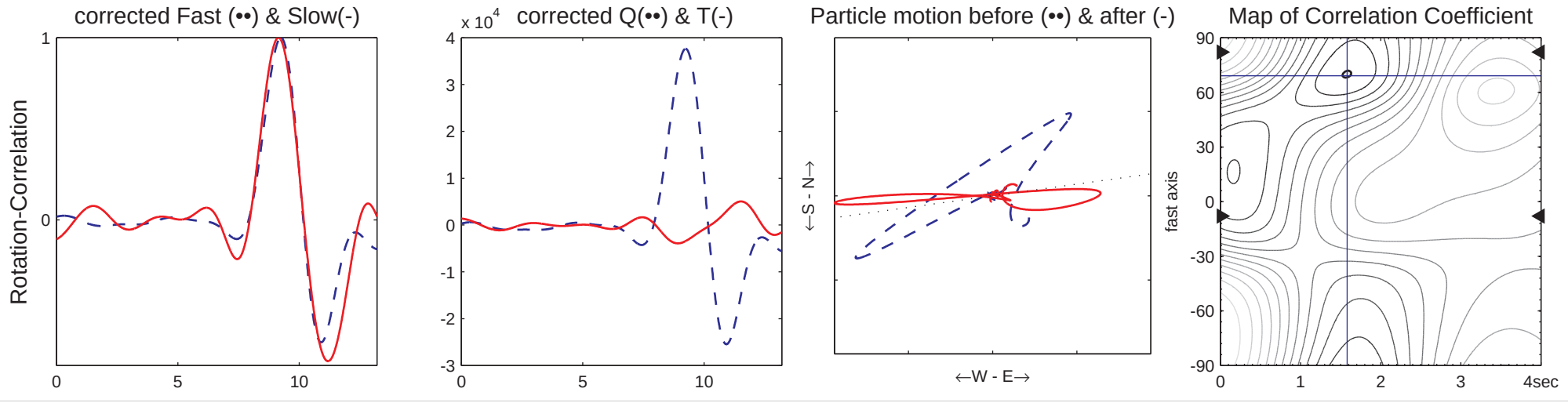


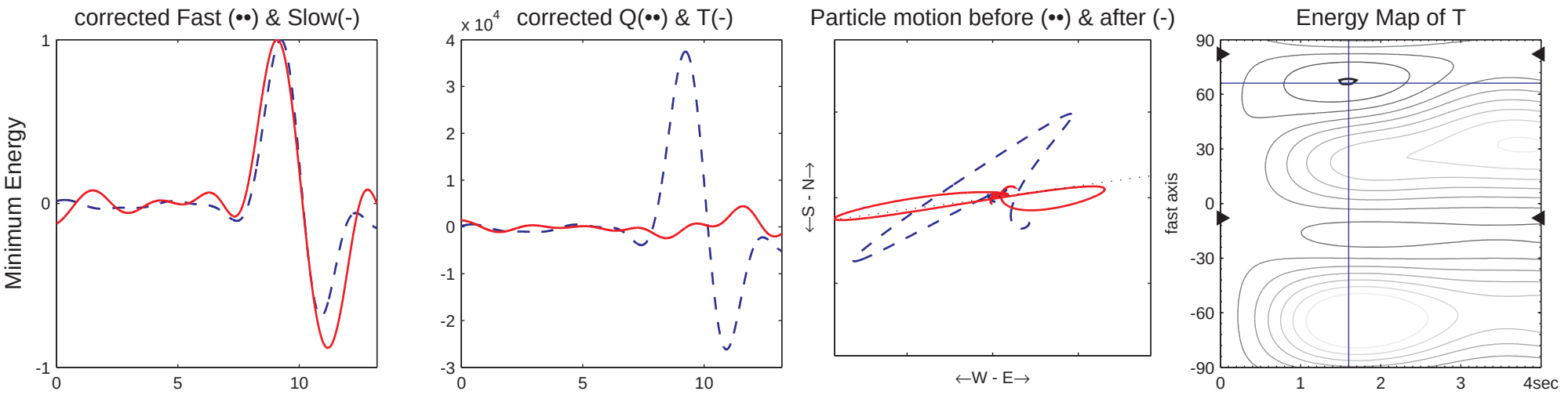
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **ERMK** Backazimuth: **262.1”** Distance: **105.41”**
init.Pol.: **90.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.4**

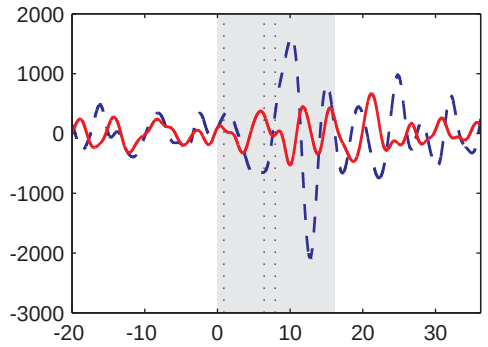
Rotation Correlation:	68<	69° <	72	1.5<1.6s<1.6
Minimum Energy:	66<	66° <	68	1.5<1.6s<1.7
Eigenvalue:	68<	70° <	74	1.5<1.6s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





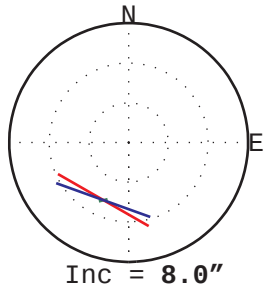


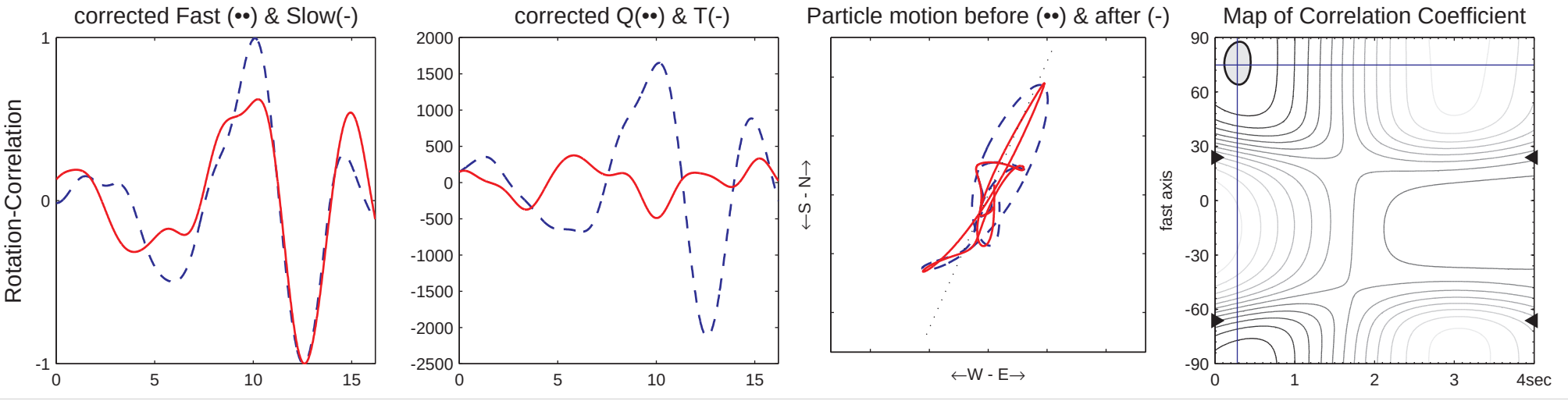


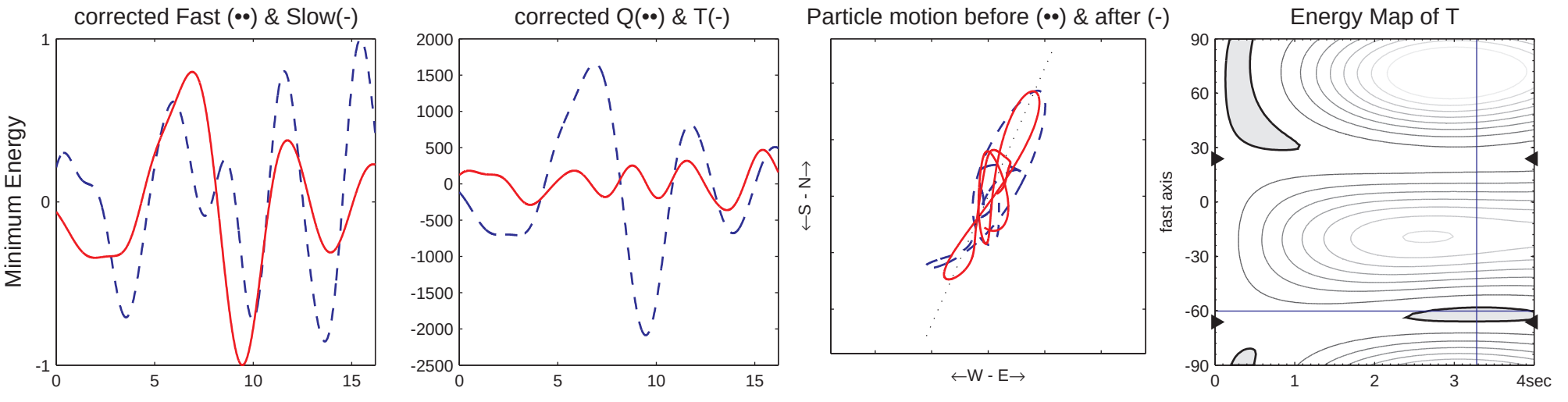
Event: **17-Apr-2012 (108) 19:03 -59.02N -16.61E 12km Mw=6.2**
Station: **ERMK** Backazimuth: **203.8”** Distance: **104.09”**
init.Pol.: **5.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

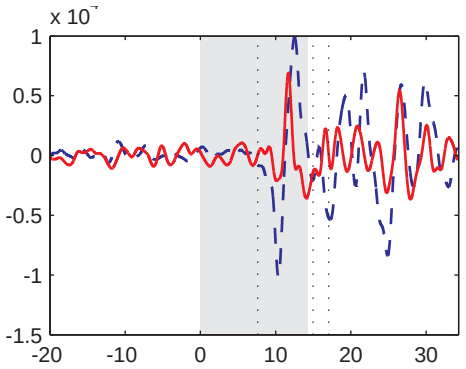
Rotation Correlation:	64<	75° <	88	0.1<0.3s<0.4
Minimum Energy:	-68<	-60° <	-60	2.4<3.3s<4.0
Eigenvalue:	-82<	-70° <	-66	2.8<3.1s<3.6

Quality: **good** IsNull: **Yes** Phase: **SKS**





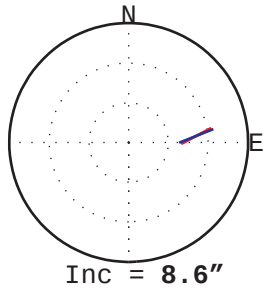


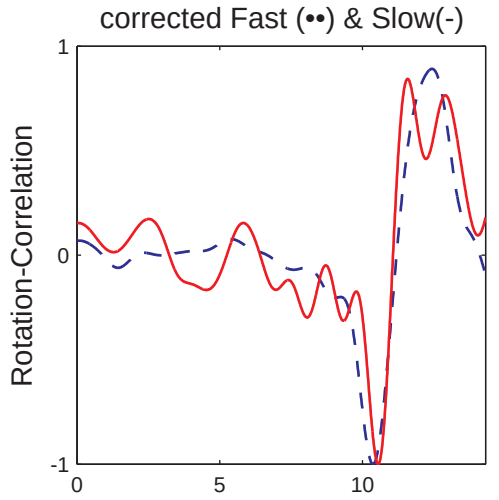


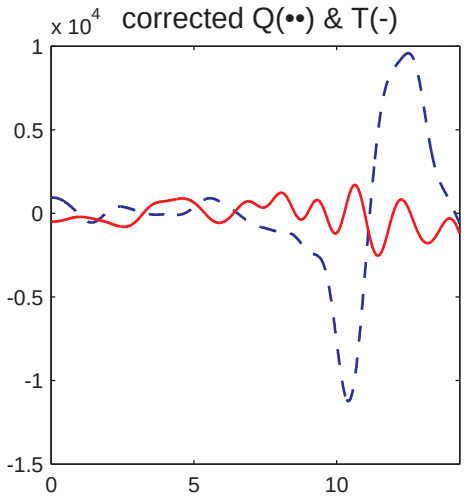
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **ERMK** Backazimuth: **84.5”** Distance: **100.07”**
init.Pol.: **272.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.8**

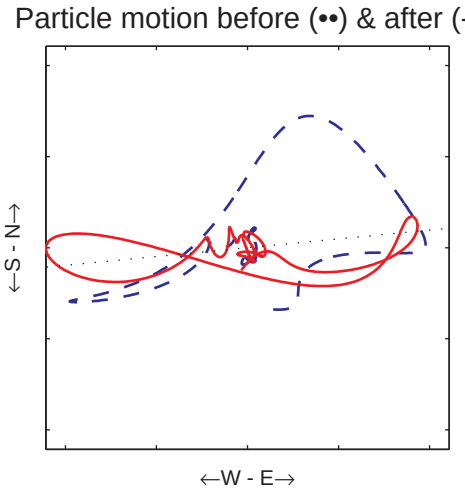
Rotation Correlation:	58<	64° <	70	0.9<1.1s<1.2
Minimum Energy:	58<	62° <	68	0.9<1.1s<1.2
Eigenvalue:	64<	68° <	76	1.0<1.2s<1.3

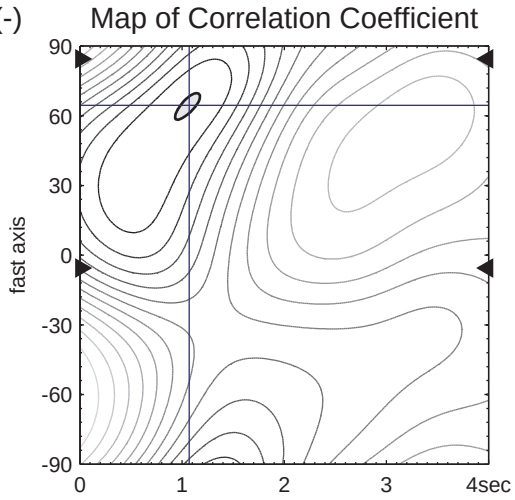
Quality: **good** IsNull: **No** Phase: **SKS**

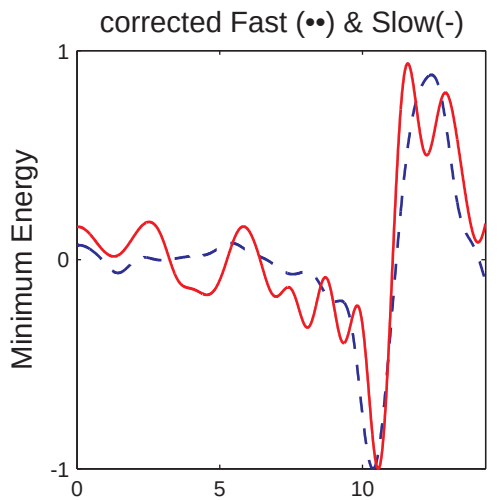


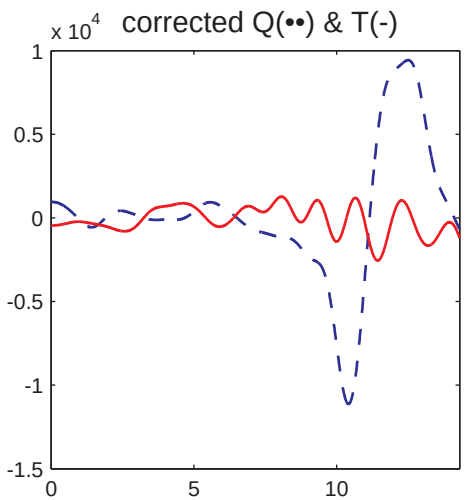


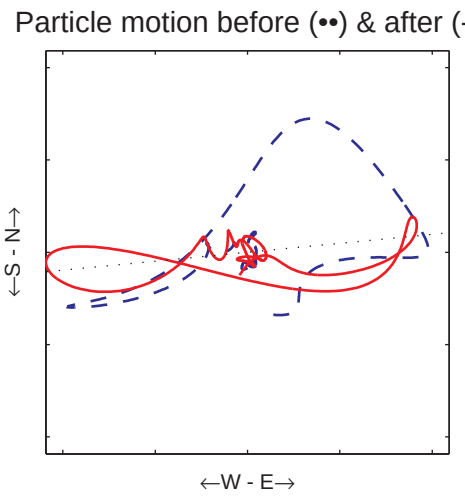


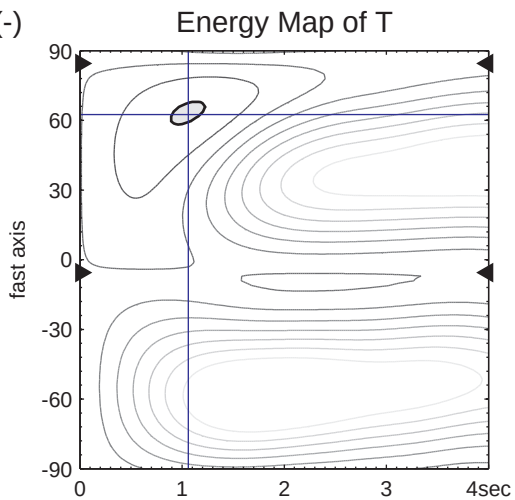


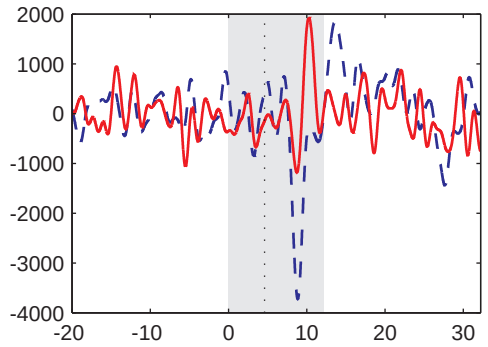








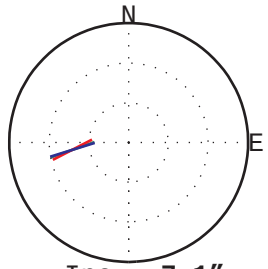


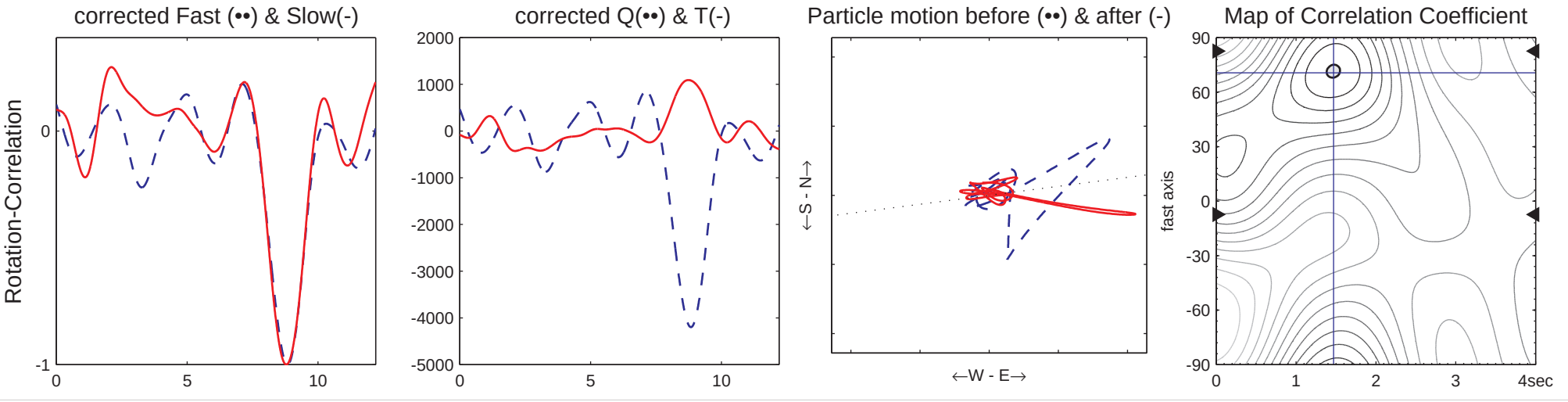


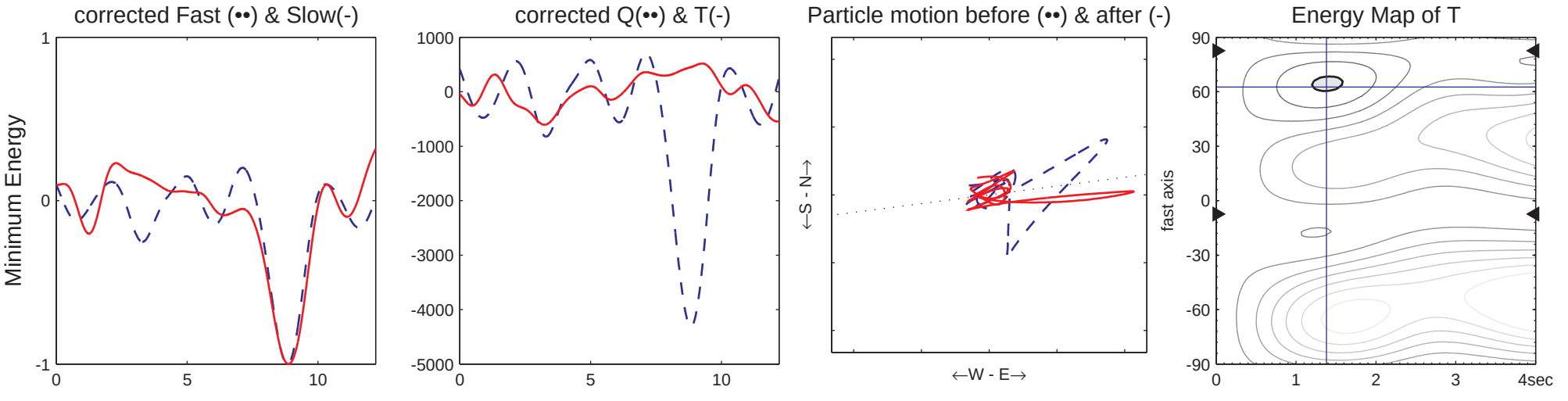
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **ERMK** Backazimuth: **262.6”** Distance: **110.29”**
init.Pol.: **100.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.2**

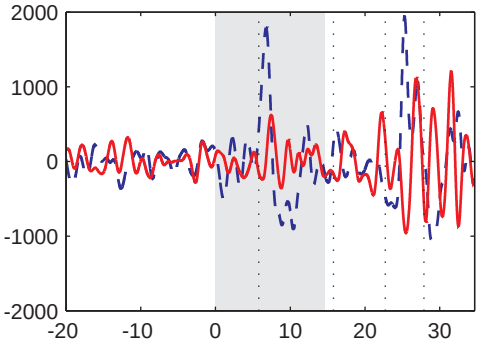
Rotation Correlation:	68<	71° <	75	1.4<1.5s<1.6
Minimum Energy:	60<	63° <	68	1.2<1.4s<1.6
Eigenvalue:	70<	73° <	78	1.4<1.5s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





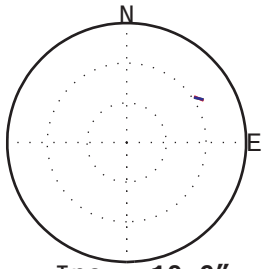




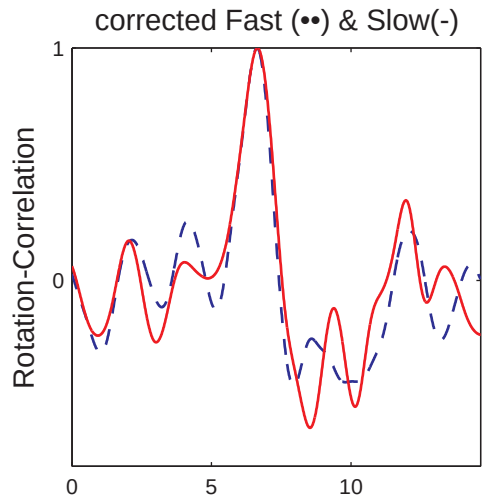
Event: **26-May-2012 (147) 21:48 26.91N 140.06E 487km Mw=6.0**
Station: **ERMK** Backazimuth: **58.6”** Distance: **86.61”**
init.Pol.: **236.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.7**

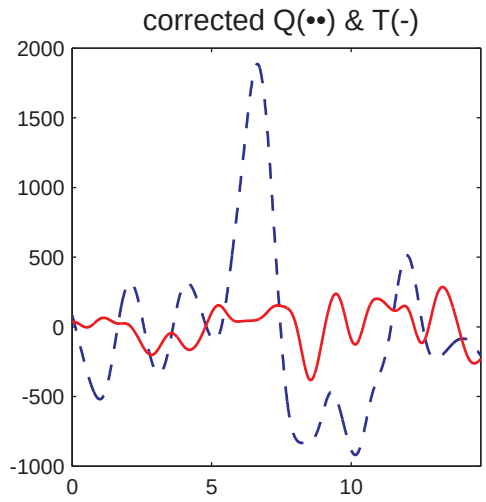
Rotation Correlation:	-88<	-78° <	-70 0.2<0.3s<0.4
Minimum Energy:	82<	-67° <	-50 0.2<0.3s<0.5
Eigenvalue:	68<	-77° <	-48 0.2<0.3s<0.6

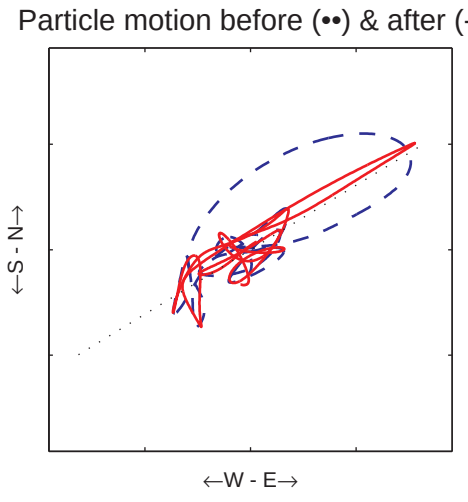
Quality: **fair** IsNull: **No** Phase: **SKS**

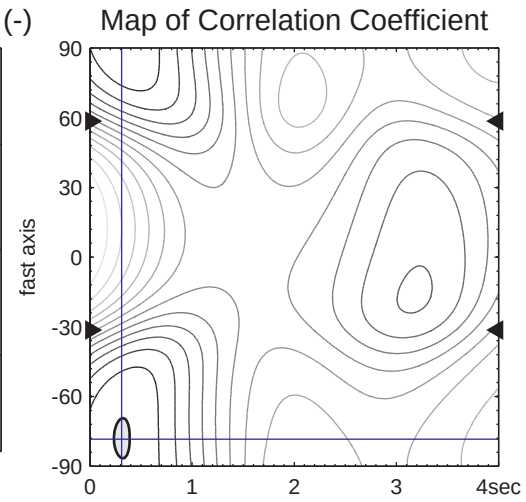


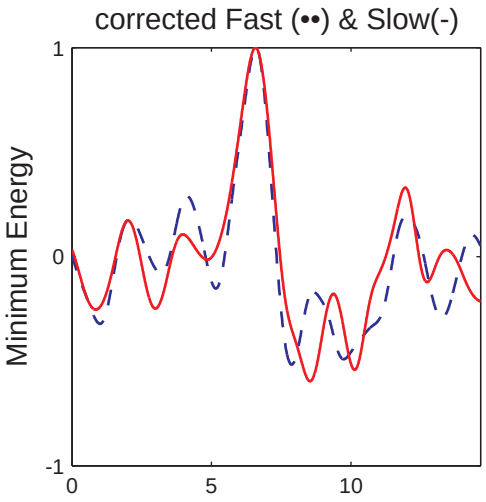
Inc = **10.6”**

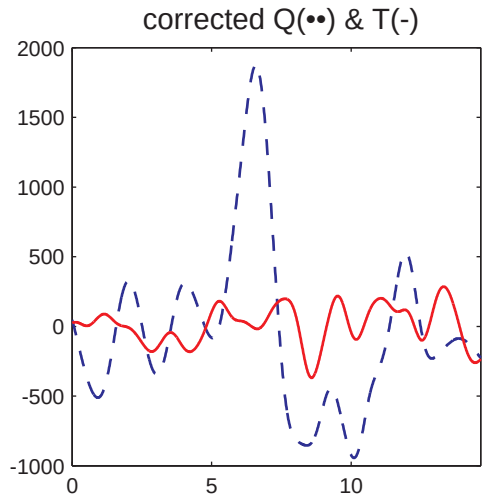


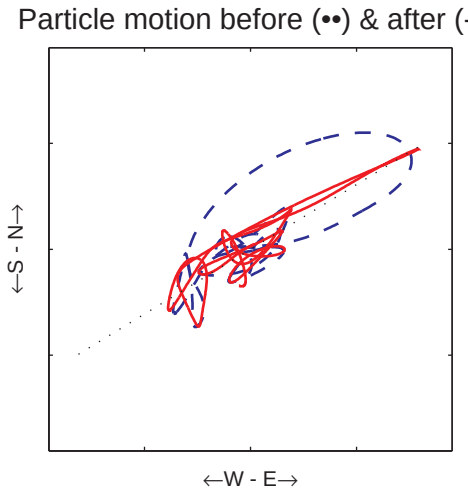


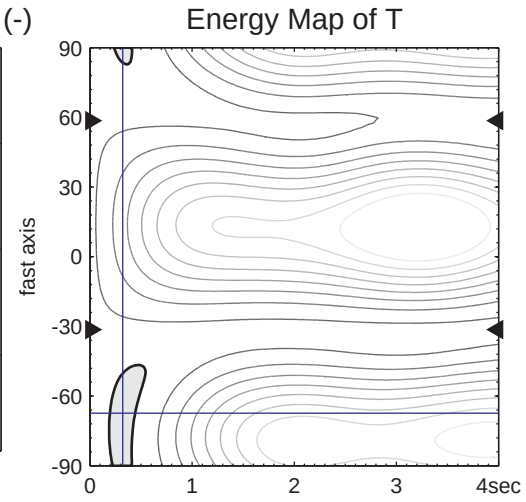


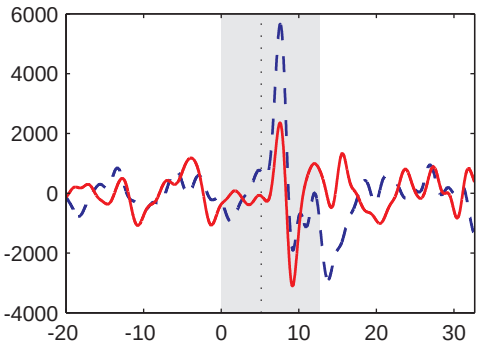








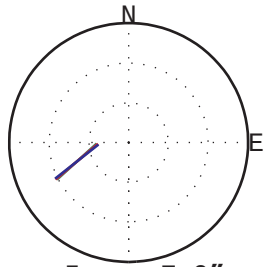


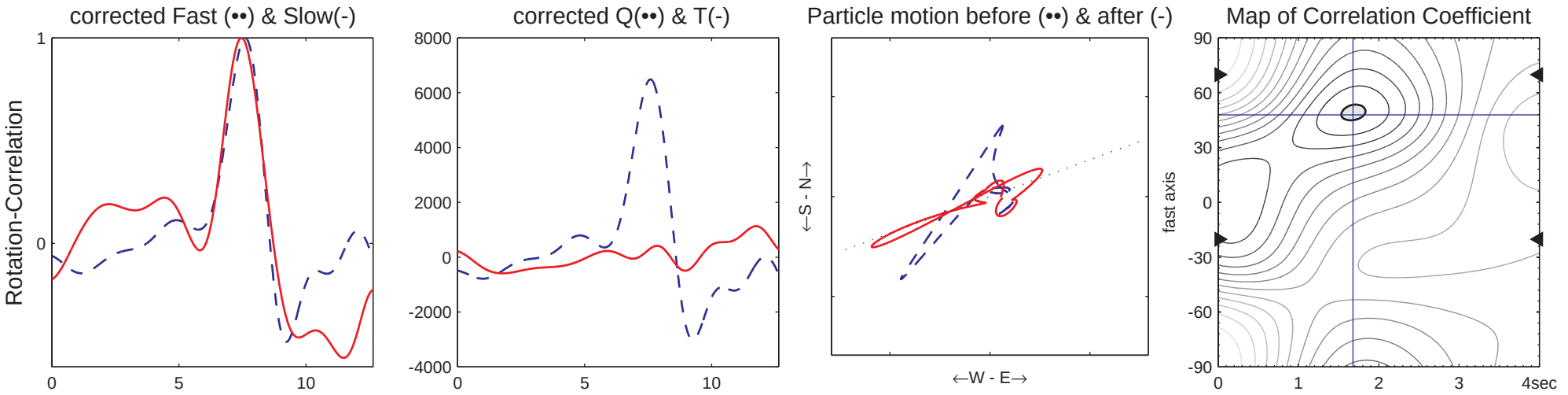


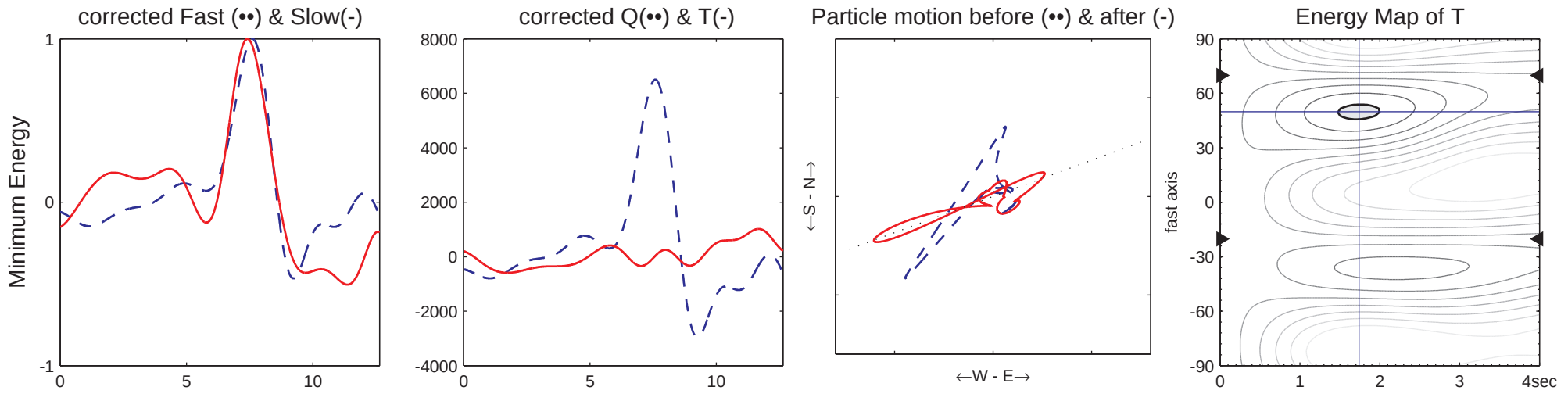
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **ERMK** Backazimuth: **249.8”** Distance: **110.77”**
init.Pol.: **73.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

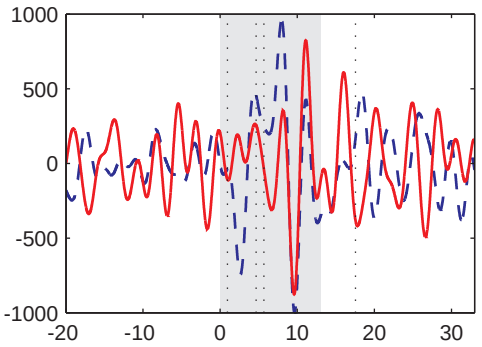
Rotation Correlation:	45<	48° <	54	1.5<1.7s<1.8
Minimum Energy:	46<	50° <	54	1.5<1.7s<2.0
Eigenvalue:	46<	52° <	58	1.5<1.7s<2.0

Quality: **good** IsNull: **No** Phase: **SKS**





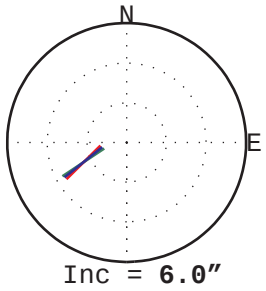


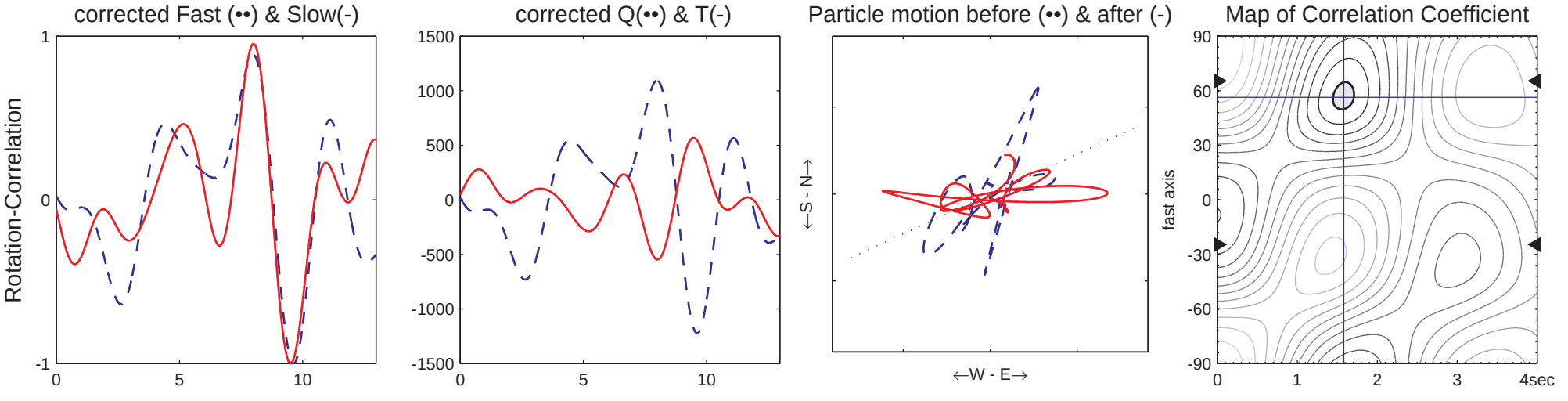


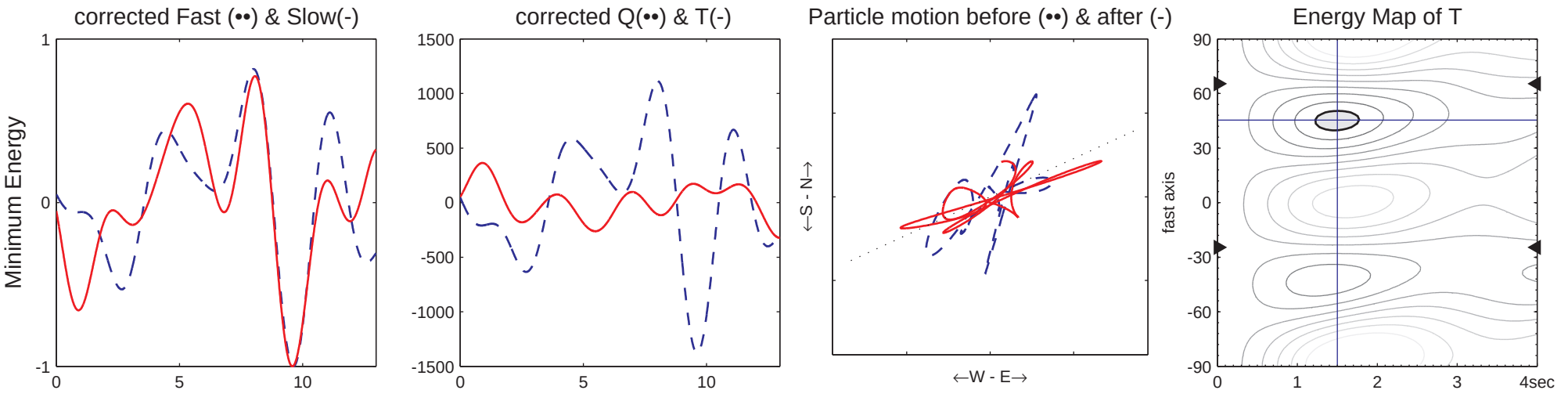
Event: **07-Jun-2012 (159) 04:05 -36.07N -70.57E 8km Mw=6.0**
Station: **ERMK** Backazimuth: **245.4”** Distance: **120.17”**
init.Pol.: **77.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

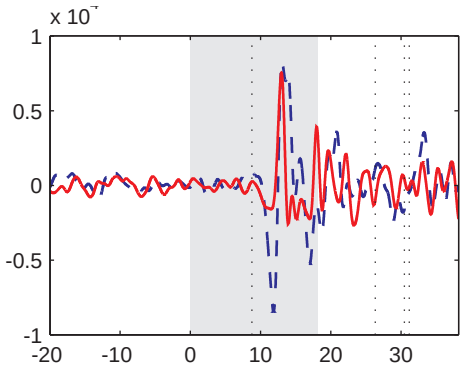
Rotation Correlation:	50<	56° <	65	1.4<1.6s<1.7
Minimum Energy:	39<	45° <	50	1.2<1.5s<1.8
Eigenvalue:	39<	51° <	62	1.3<1.5s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





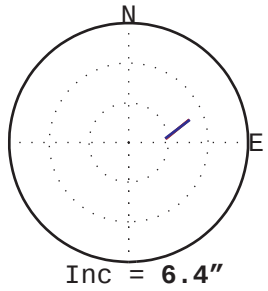


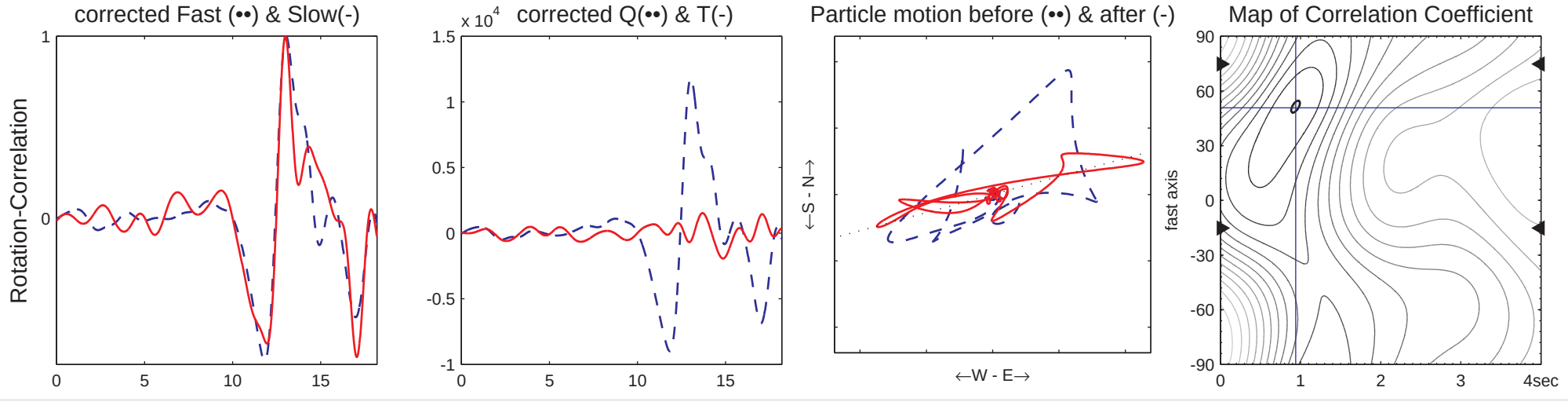


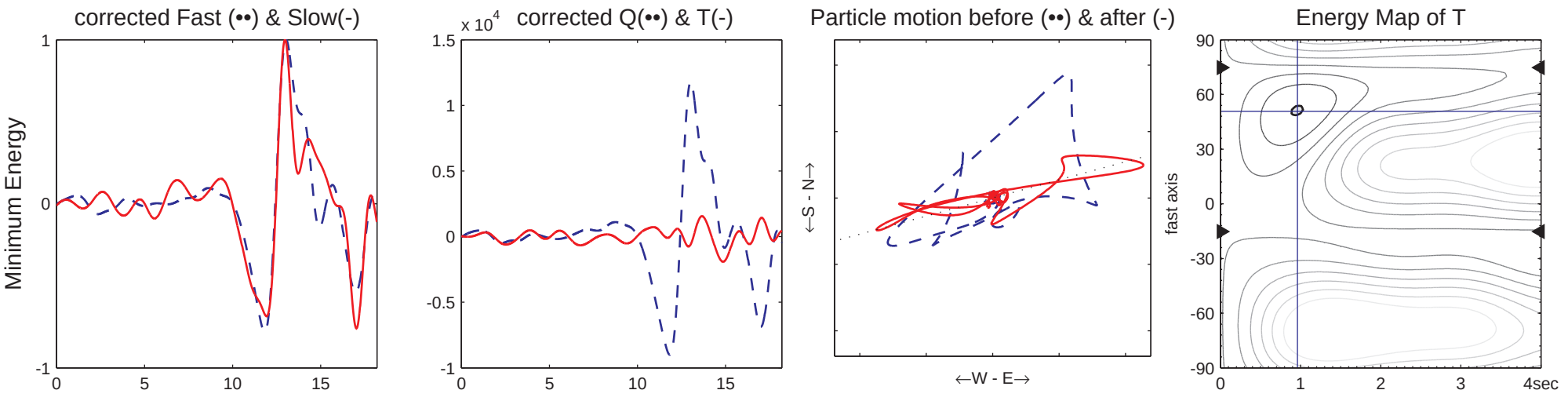
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **ERMK** Backazimuth: **74.7”** Distance: **116.84”**
init.Pol.: **257.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.0**

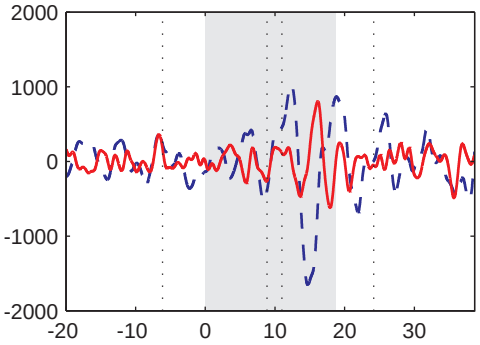
Rotation Correlation:	48<	51° <	55	0.9<0.9s<1.0
Minimum Energy:	50<	51° <	54	0.9<1.0s<1.0
Eigenvalue:	50<	53° <	58	0.9<1.0s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





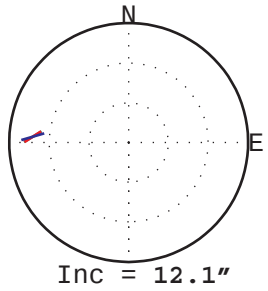


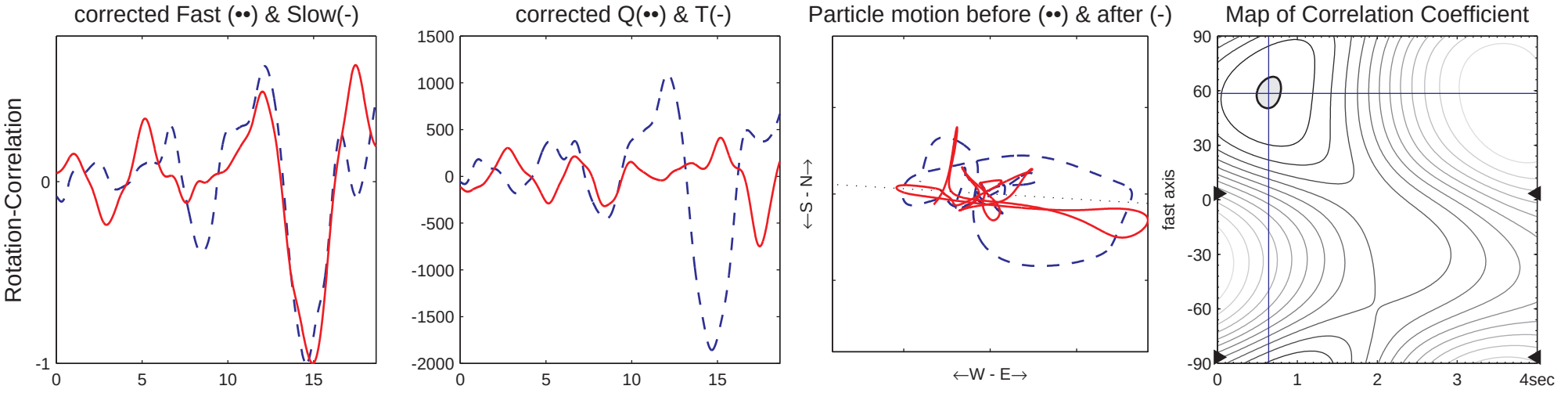


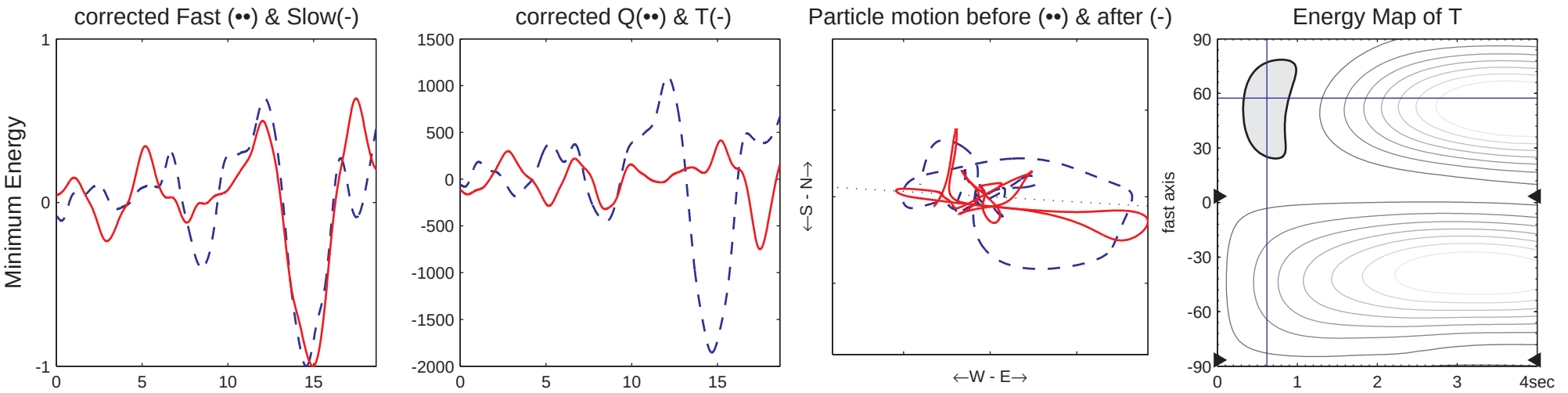
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **ERMK** Backazimuth: **273.4”** Distance: **108.76”**
init.Pol.: **104.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

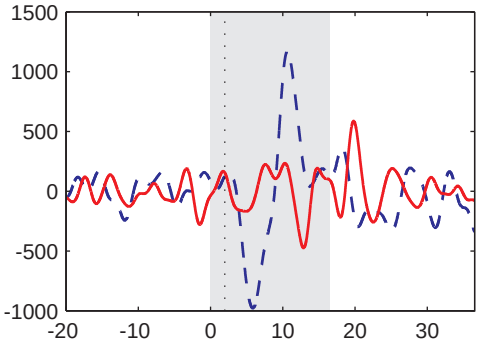
Rotation Correlation:	51<	58° <	68	0.5<0.6s<0.8
Minimum Energy:	23<	57° <	78	0.3<0.6s<1.0
Eigenvalue:	48<	73° <	-92	0.4<0.7s<1.1

Quality: **fair** IsNull: **No** Phase: **SKKS**





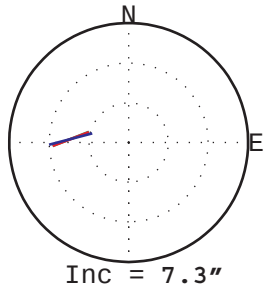


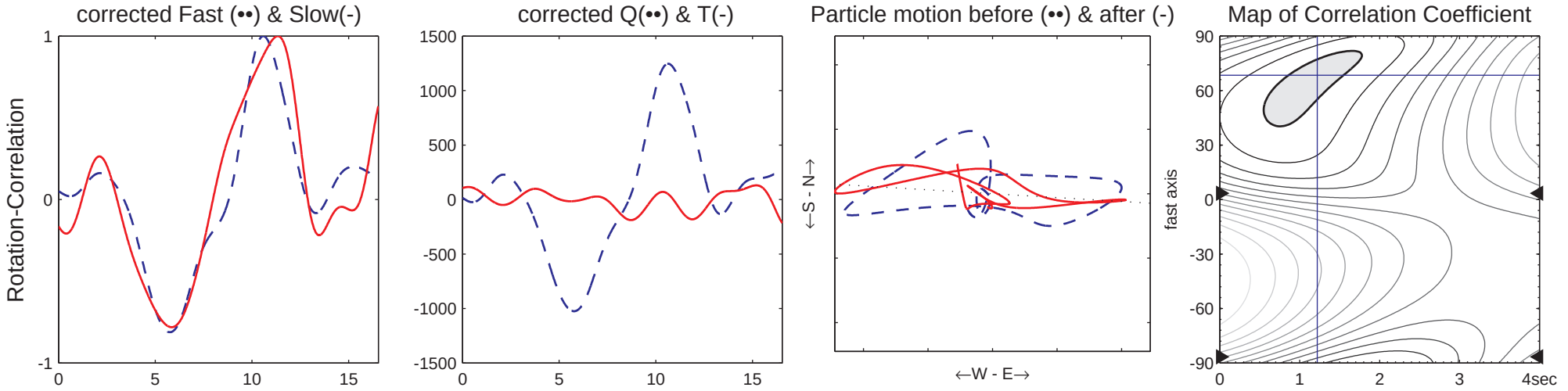


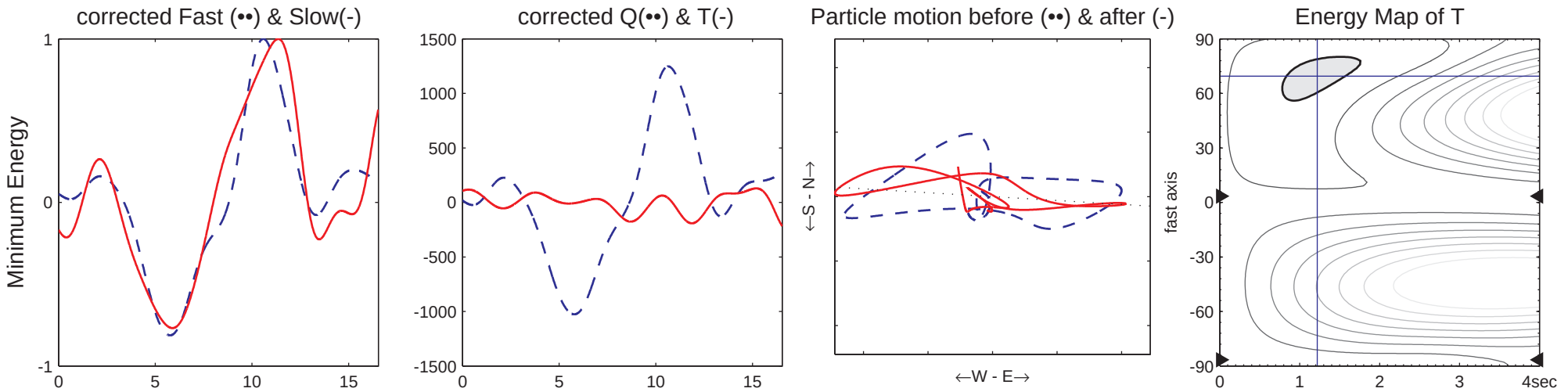
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **ERMK** Backazimuth: **273.4”** Distance: **108.76”**
init.Pol.: **97.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

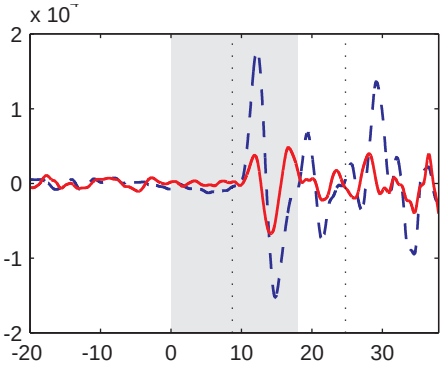
Rotation Correlation:	41<	68° <	82	0.6<1.2s<1.8
Minimum Energy:	56<	69° <	80	0.8<1.2s<1.8
Eigenvalue:	60<	75° <	88	0.9<1.4s<2.1

Quality: **fair** IsNull: **No** Phase: **SKS**





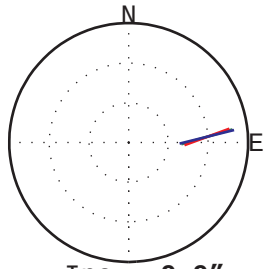


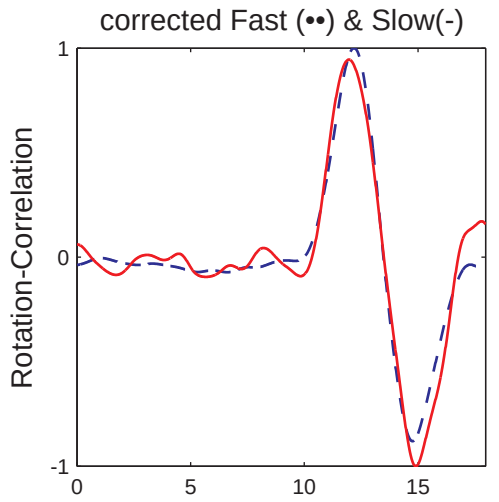


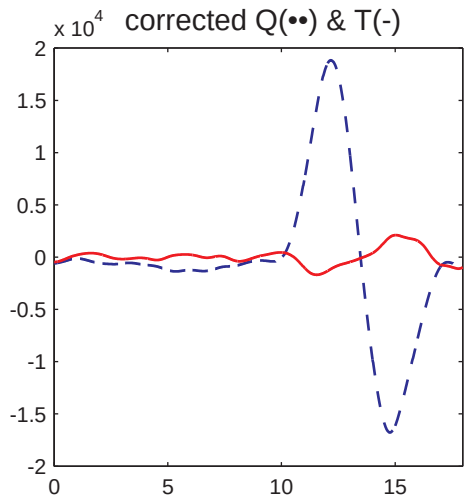
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **ERMK** Backazimuth: **85.9”** Distance: **91.84”**
init.Pol.: **273.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**15.3**

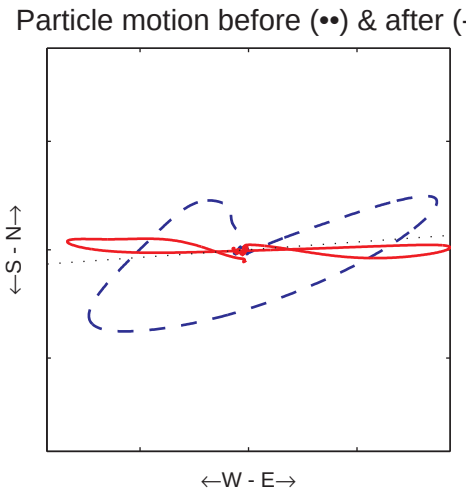
Rotation Correlation:	73<	74° <	77	1.6<1.7s<1.8
Minimum Energy:	68<	70° <	72	1.4<1.5s<1.7
Eigenvalue:	74<	76° <	78	1.6<1.8s<1.8

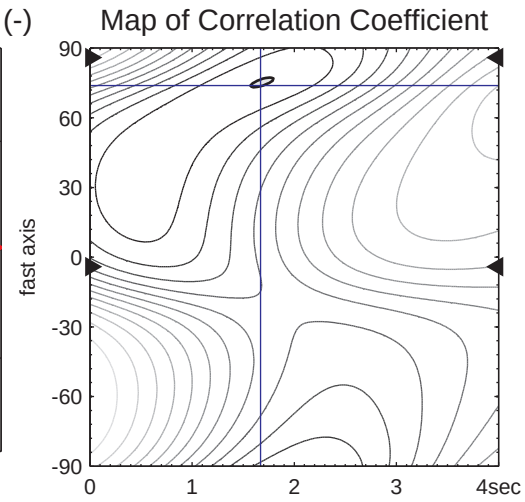
Quality: **fair** IsNull: **No** Phase: **SKS**

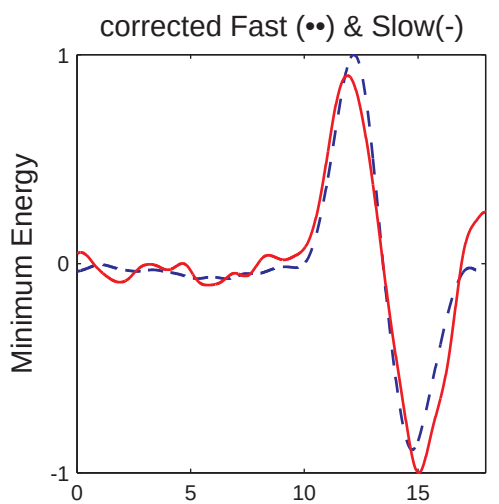


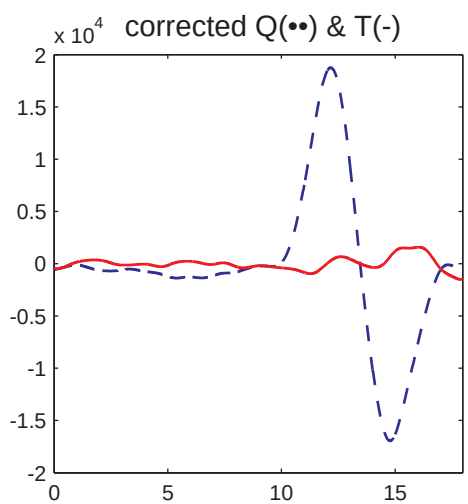


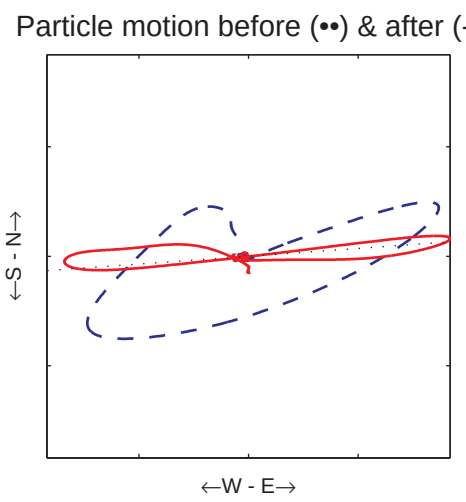


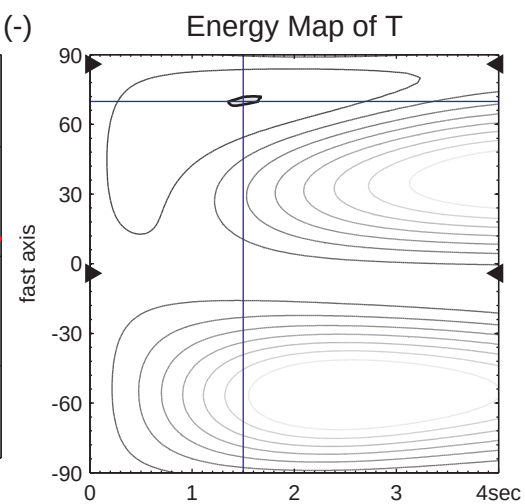


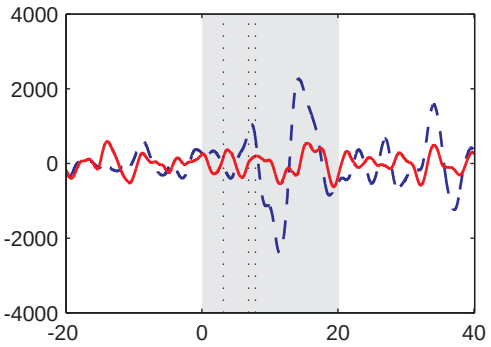








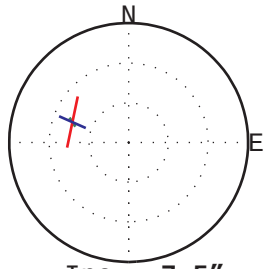




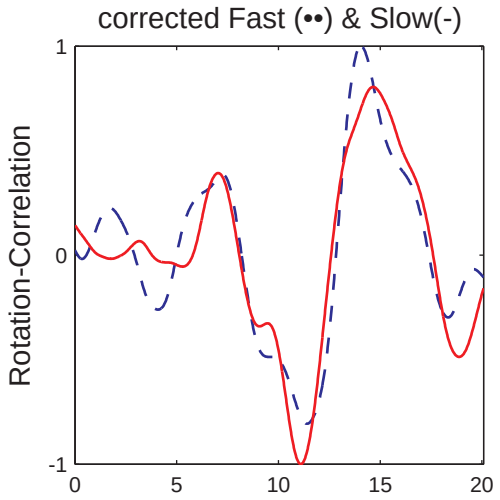
Event: **18-Mar-2007 (077) 02:11 4.58N -78.52E 8km Mw=6.4**
Station: **GAZ** Backazimuth: **289.9”** Distance: **107.25”**
init.Pol.: **100.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

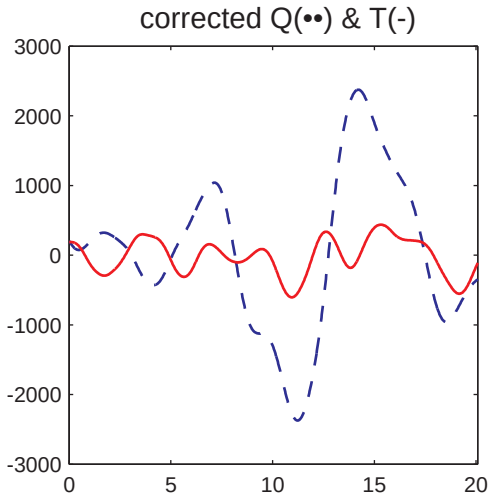
Rotation Correlation:	-44<	-32° <	-22	0.2<0.3s<0.6
Minimum Energy:	-62<	12° <	17	0.2<1.6s<3.6
Eigenvalue:	-82<	-66° <	-5	0.2<0.9s<2.3

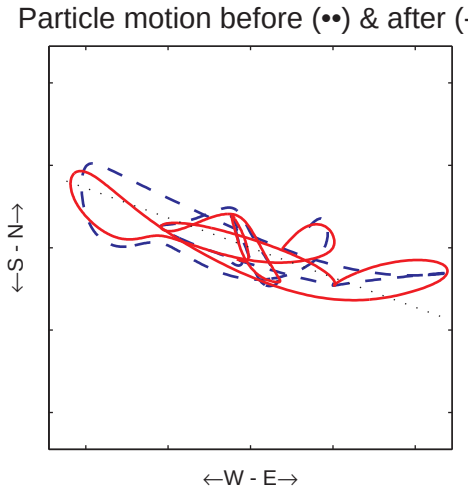
Quality: **fair** IsNull: **Yes** Phase: **SKS**

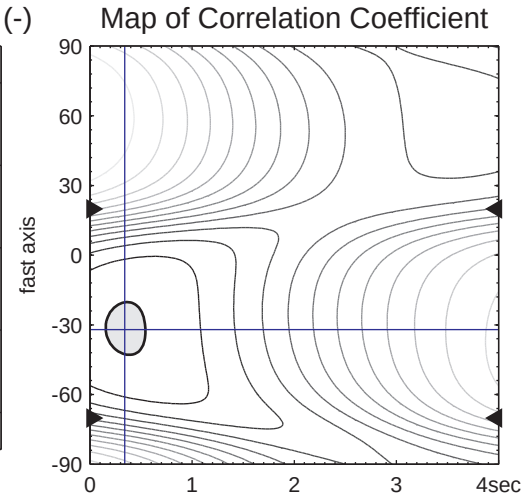


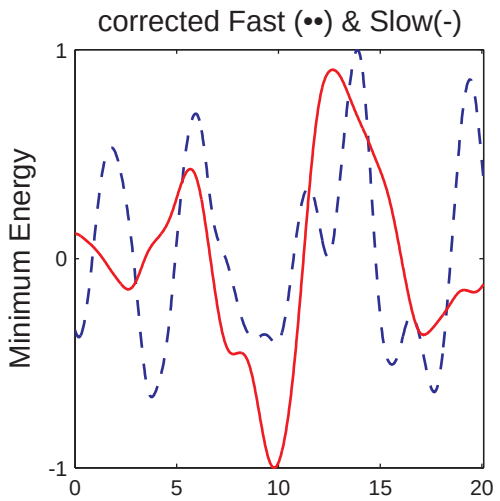
Inc = **7.5”**

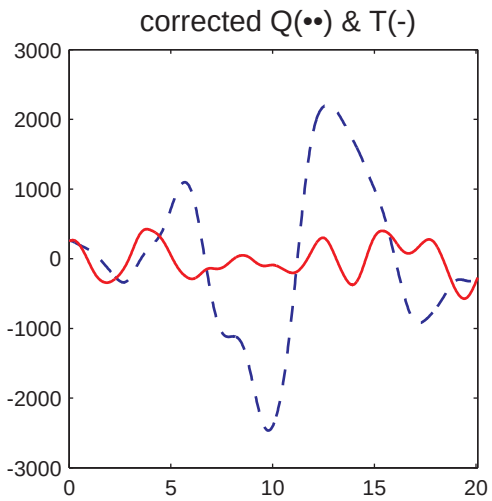


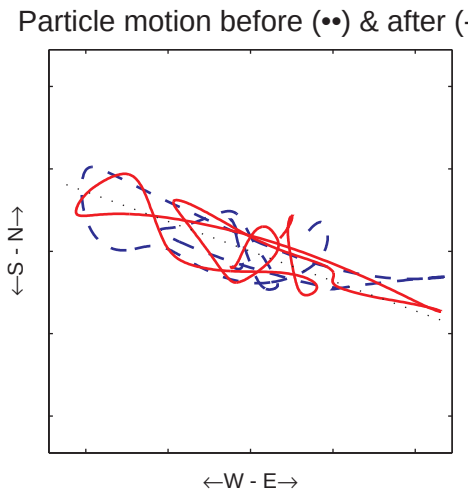


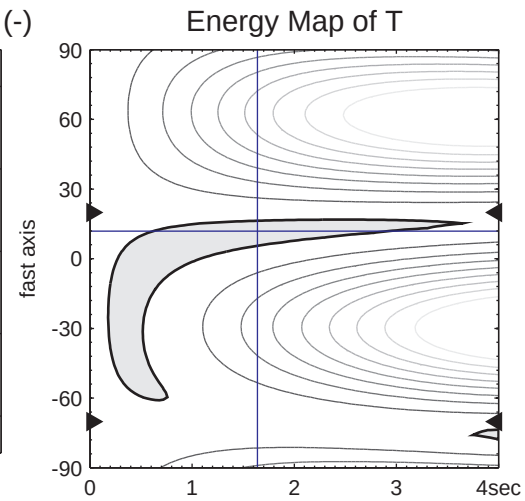


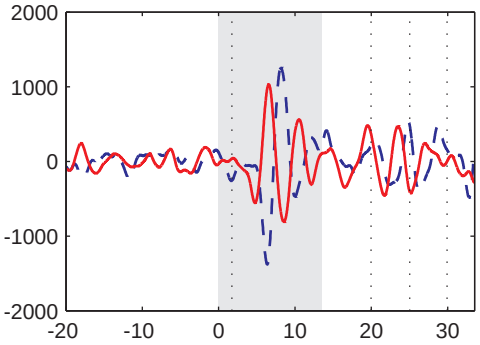








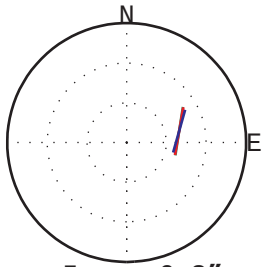


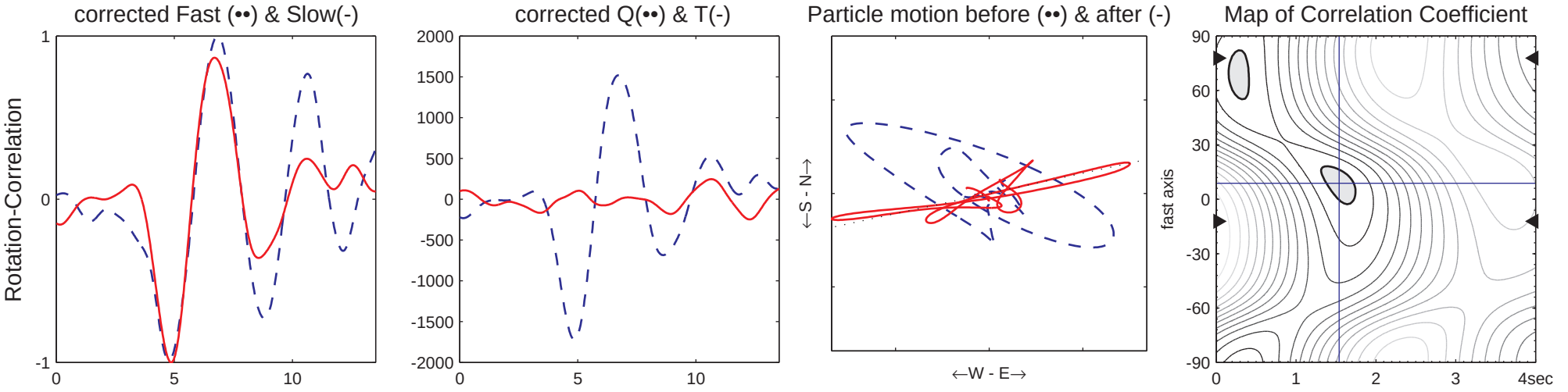


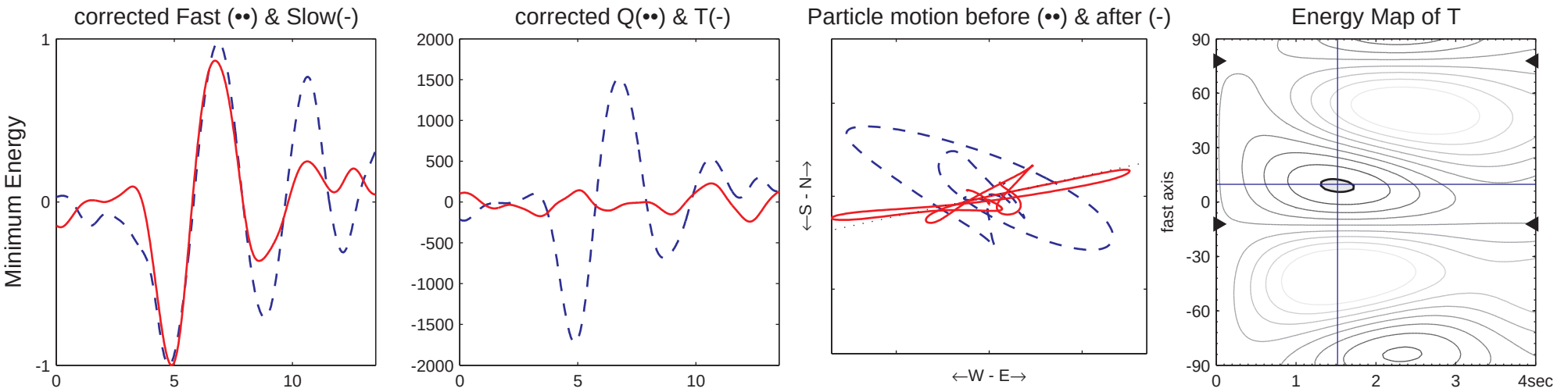
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **GAZ** Backazimuth: **77.8”** Distance: **113.21”**
init.Pol.: **268.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.0**

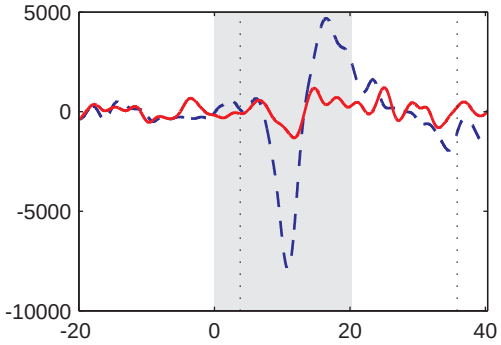
Rotation Correlation:	-3<	9° <	19	1.3<1.5s<1.8
Minimum Energy:	5<	10° <	13	1.3<1.5s<1.7
Eigenvalue:	5<	16° <	25	1.0<1.4s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





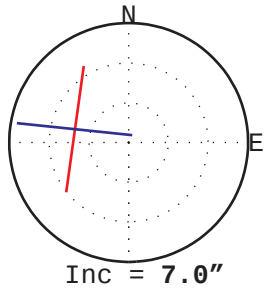


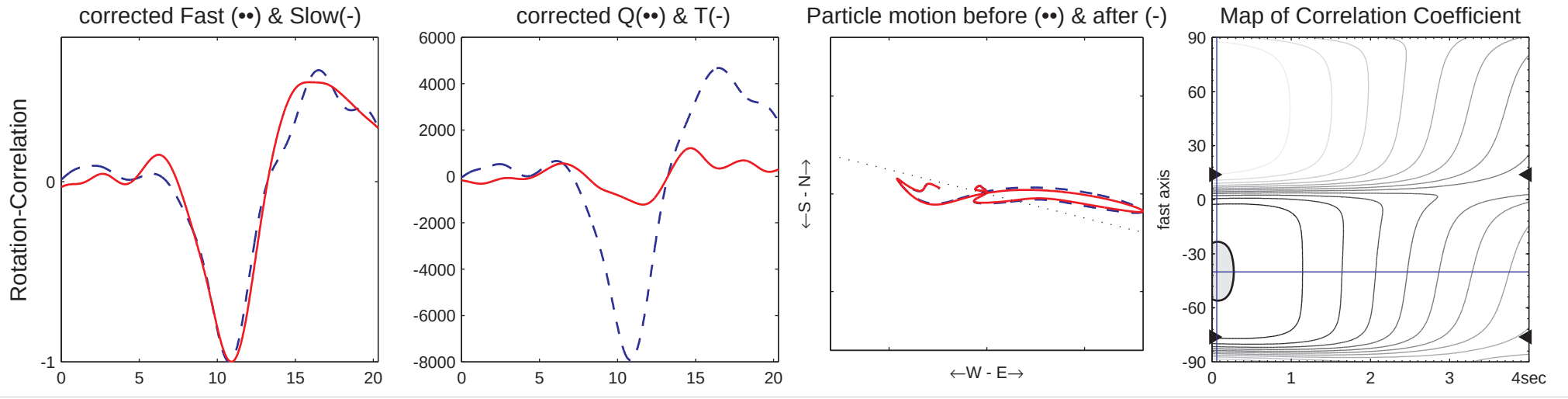


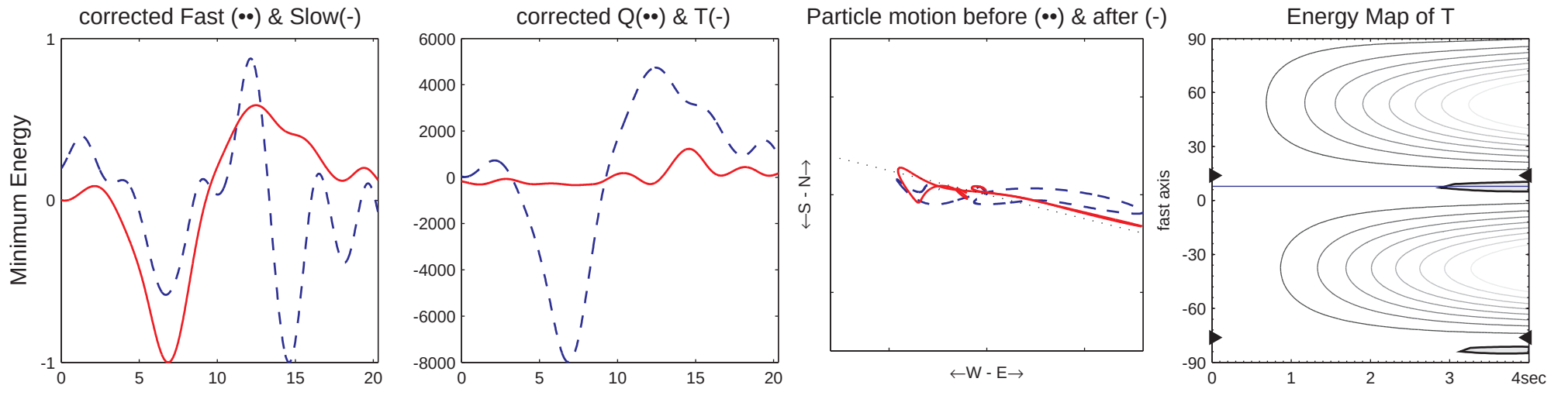
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **GAZ** Backazimuth: **283.9”** Distance: **111.19”**
init.Pol.: **97.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.9**

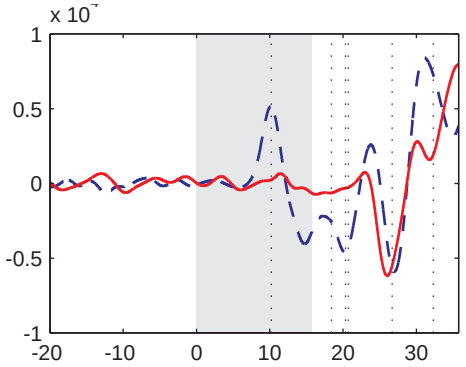
Rotation Correlation:	-57<	-40° < -25	0.0<0.1s<0.3
Minimum Energy:	5<	8° < 11	2.9<4.0s<4.0
Eigenvalue:	-Inf<	-84° < Inf	0.0<3.6s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





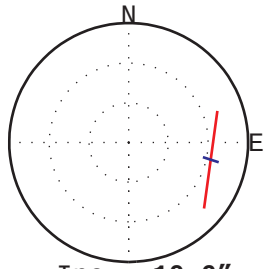




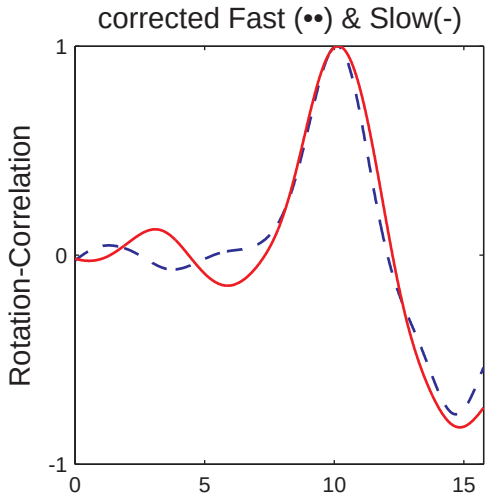
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **GAZ** Backazimuth: **101.8”** Distance: **88.08”**
init.Pol.: **275.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.6**

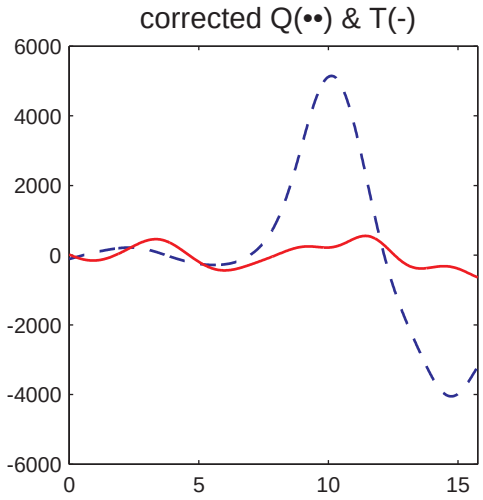
Rotation Correlation:	-69<	-38° <	-8	0.0<0.1s<0.6
Minimum Energy:	-23<	8° <	11	0.2<3.1s<4.0
Eigenvalue:	-Inf<	-72° <	Inf	0.0<0.5s<Inf

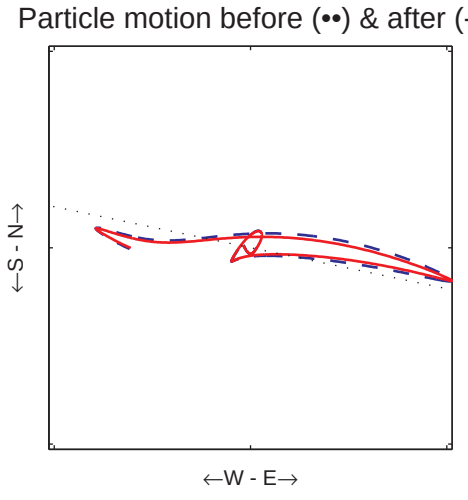
Quality: **good** IsNull: **Yes** Phase: **SKS**

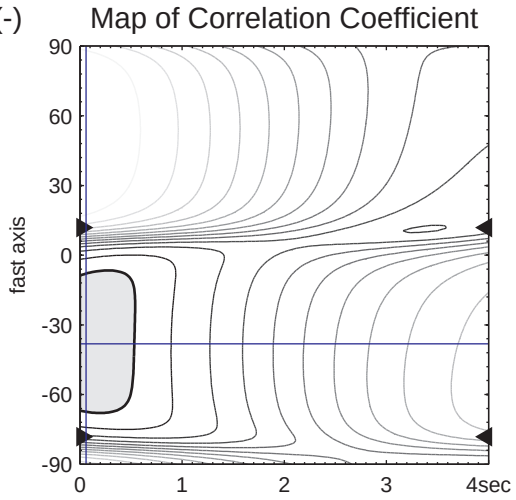


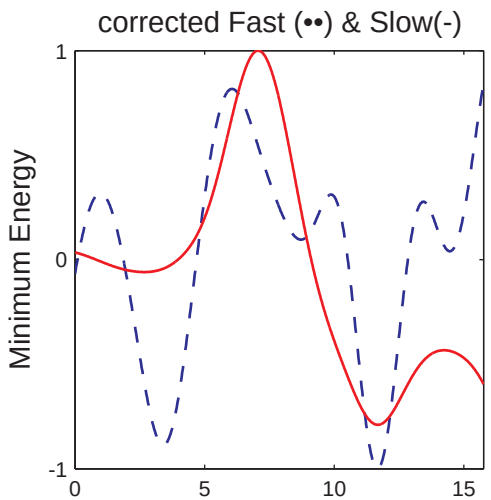
Inc = **10.6”**

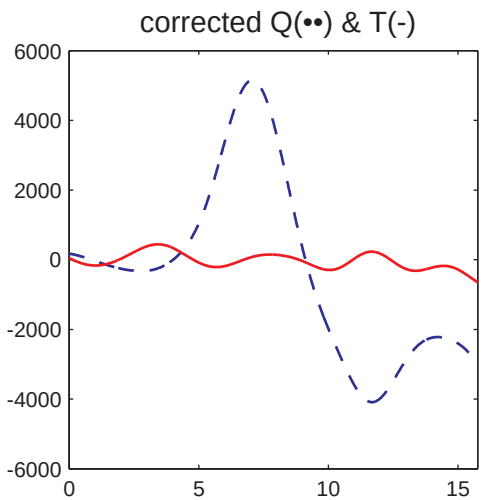


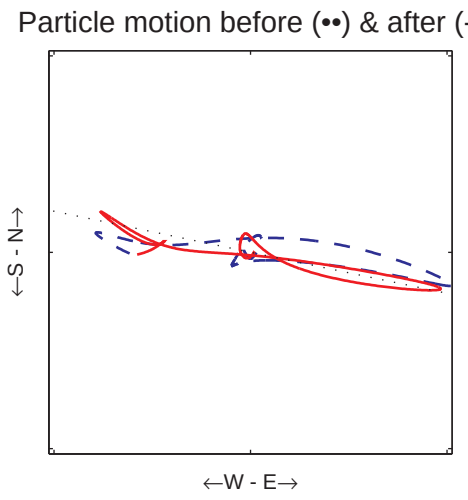


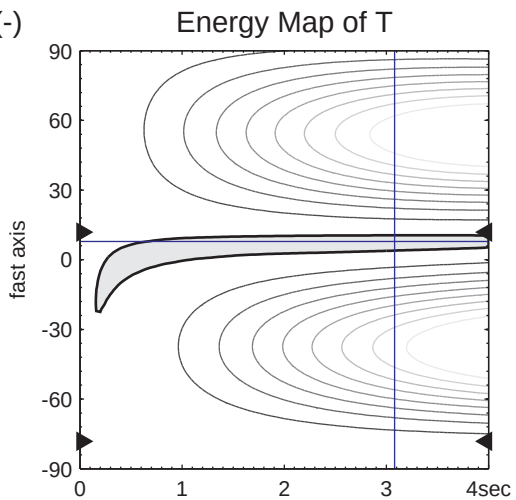


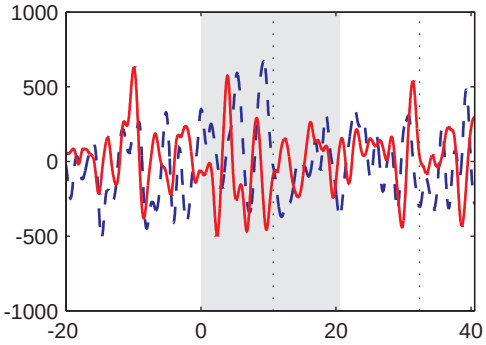








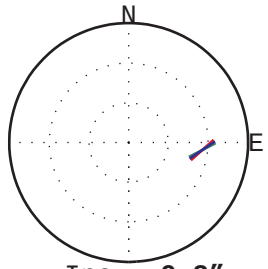




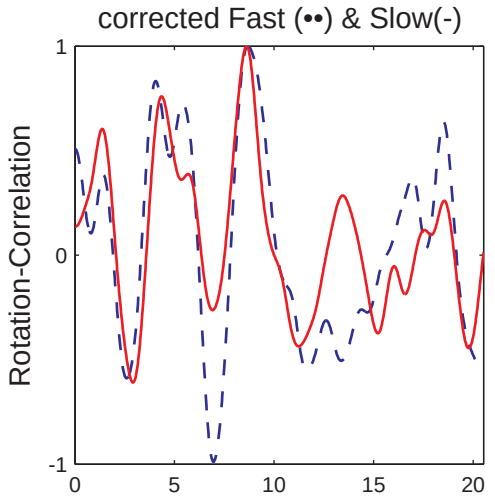
Event: **15-Dec-2007 (349) 08:03 -7.53N 127.47E 175km Mw=6.0**
Station: **GAZ** Backazimuth: **95.9”** Distance: **94.75”**
init.Pol.: **284.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

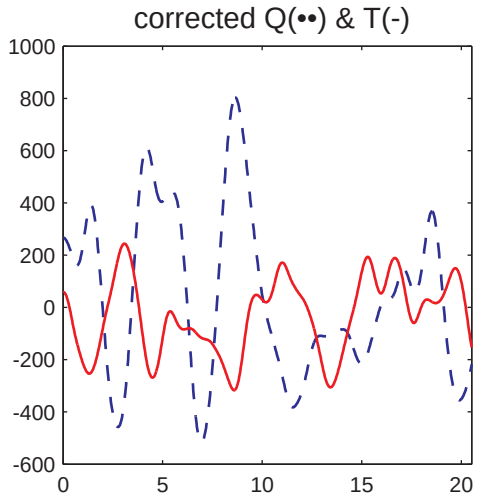
Rotation Correlation:	52<	63° <	76	0.8<0.9s<1.1
Minimum Energy:	35<	48° <	60	0.7<1.0s<1.2
Eigenvalue:	35<	56° <	80	0.7<1.0s<1.2

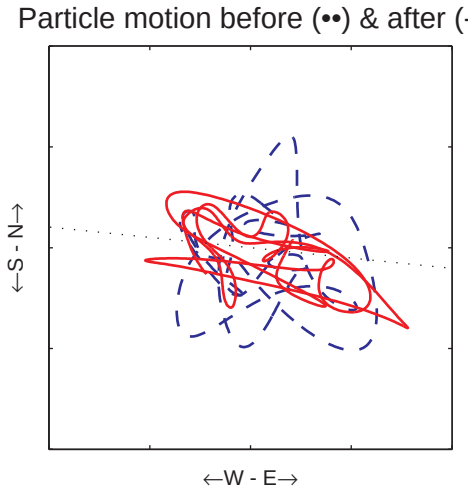
Quality: **fair** IsNull: **No** Phase: **SKS**

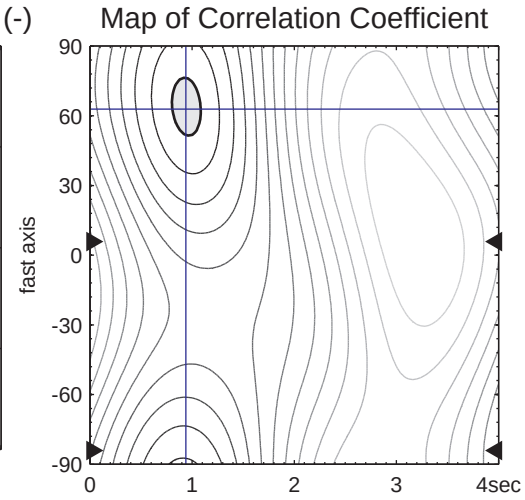


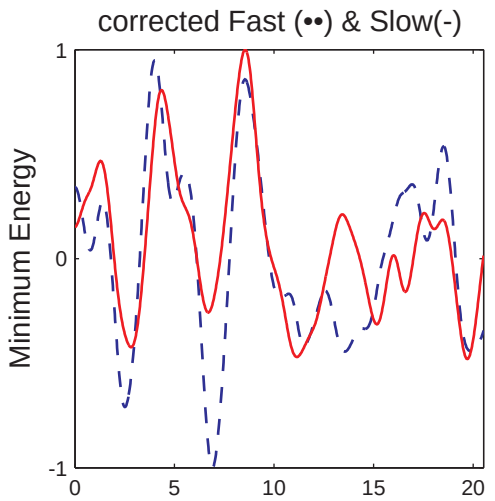
Inc = **9.3”**

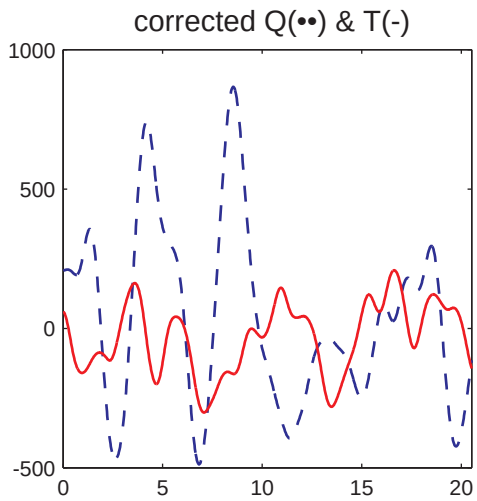


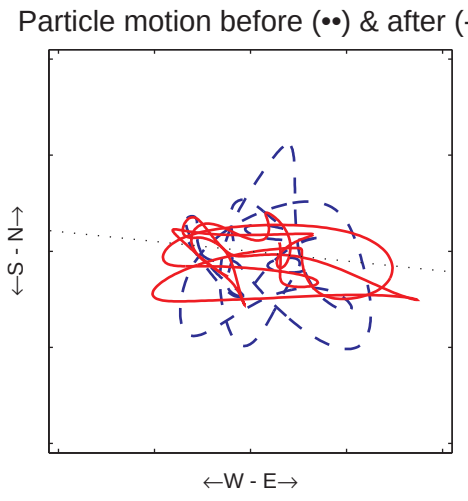


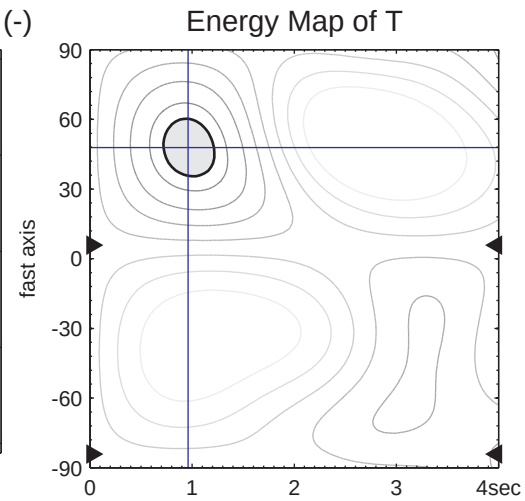


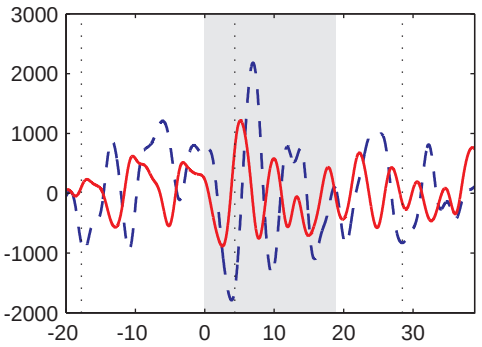








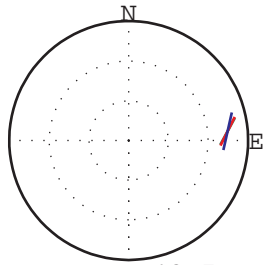




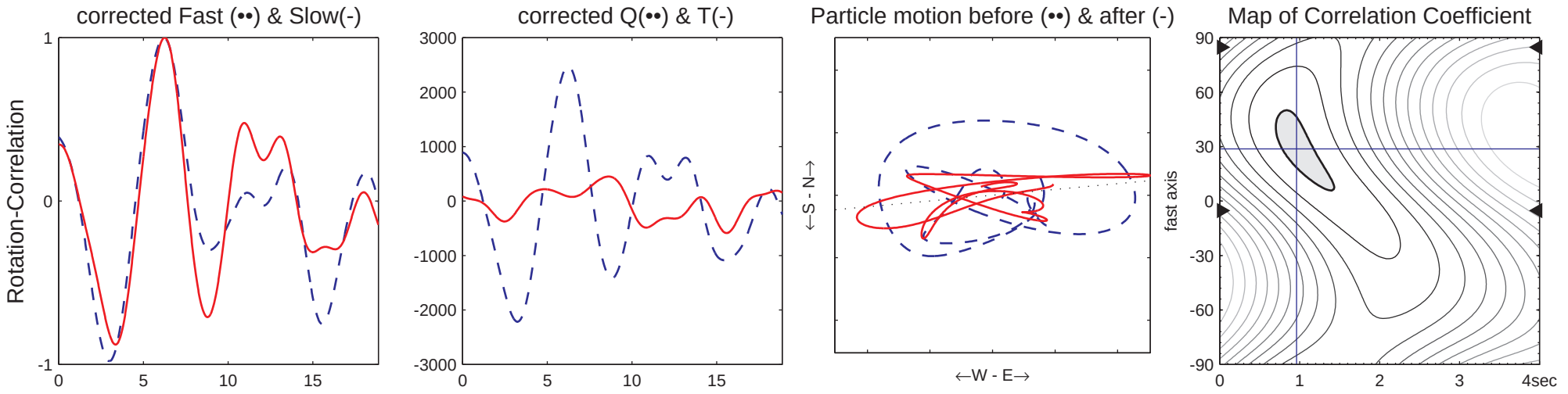
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **GAZ** Backazimuth: **84.7”** Distance: **100.89”**
init.Pol.: **254.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.7**

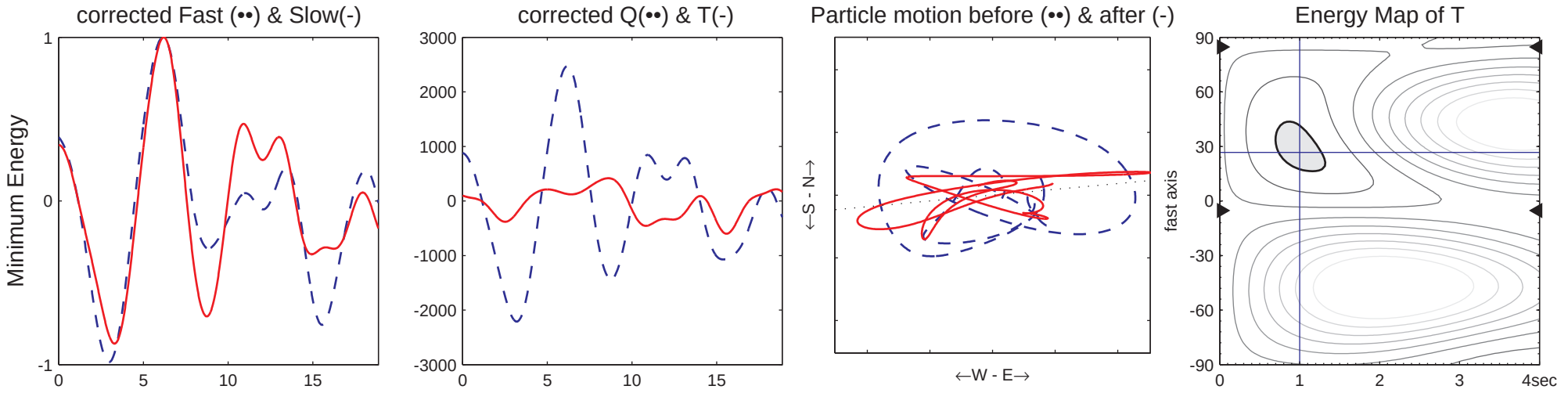
Rotation Correlation:	6<	29° <	50	0.7<1.0s<1.4
Minimum Energy:	17<	27° <	43	0.7<1.0s<1.3
Eigenvalue:	-3<	13° <	41	0.8<1.2s<1.6

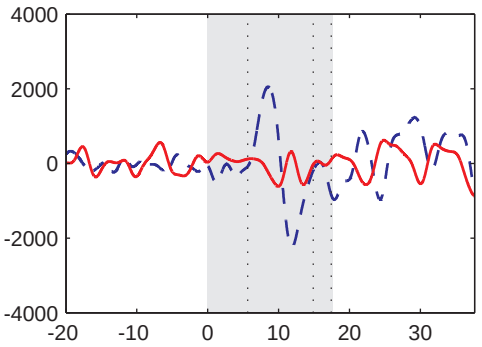
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.5”**



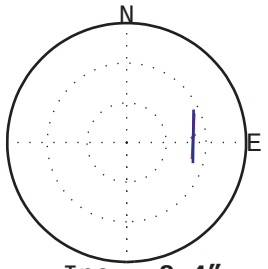




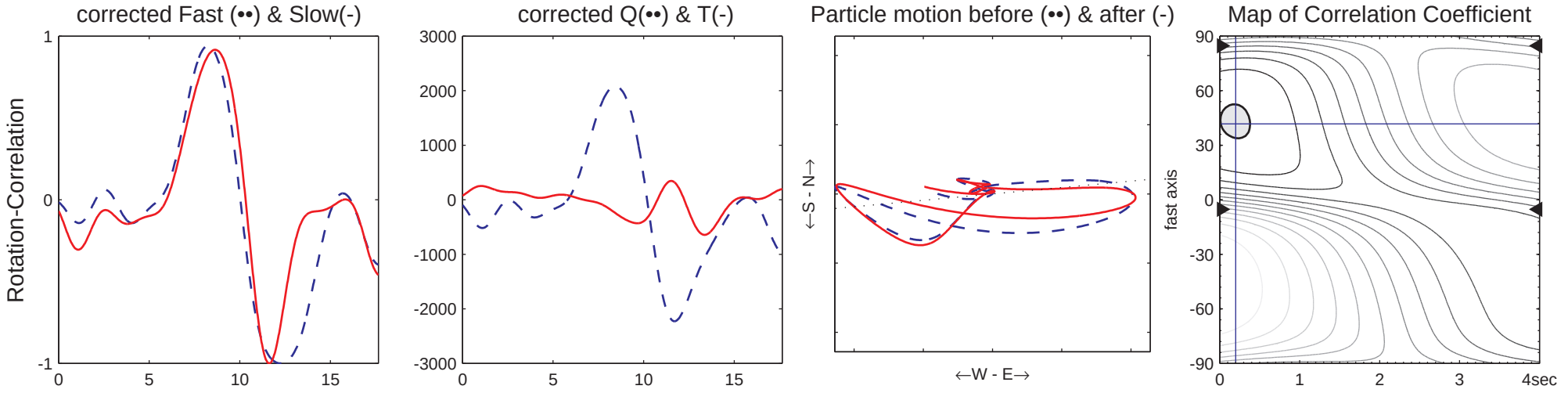
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **GAZ** Backazimuth: **84.7”** Distance: **100.89”**
init.Pol.: **263.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

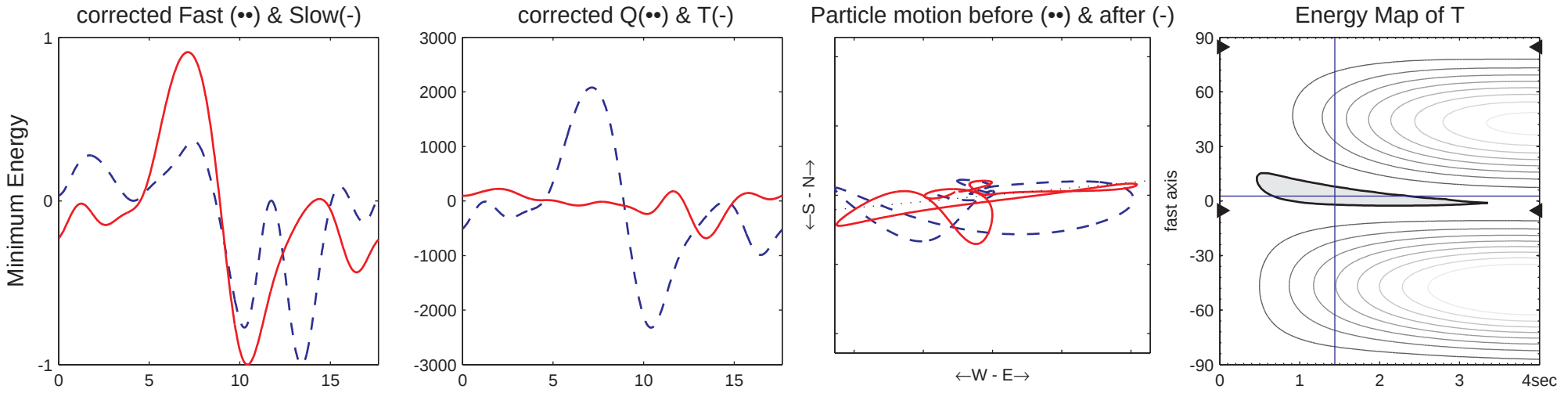
Rotation Correlation:	34<	42° <	53	0.0<0.2s<0.4
Minimum Energy:	-3<	3° <	15	0.5<1.4s<3.4
Eigenvalue:	-9<	1° <	21	0.3<1.7s<3.9

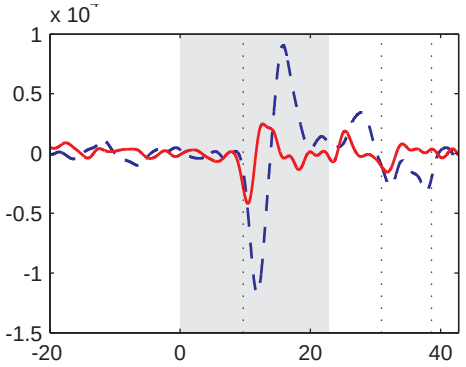
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **8.4”**



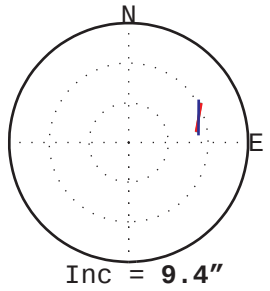


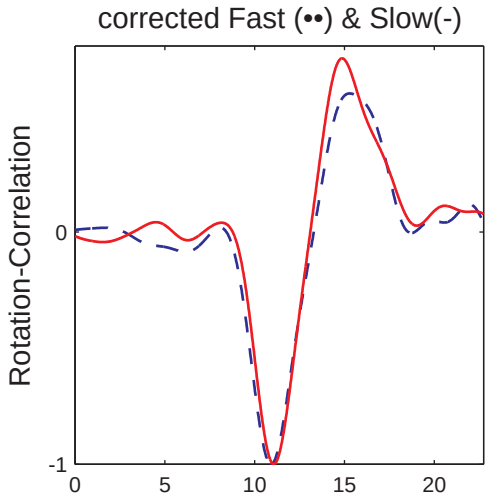


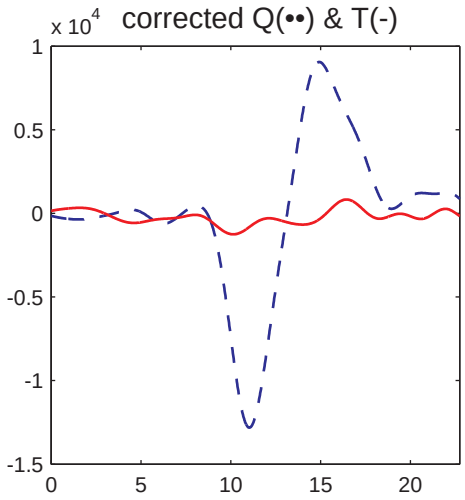
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **GAZ** Backazimuth: **70.4”** Distance: **94.77”**
init.Pol.: **245.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.7**

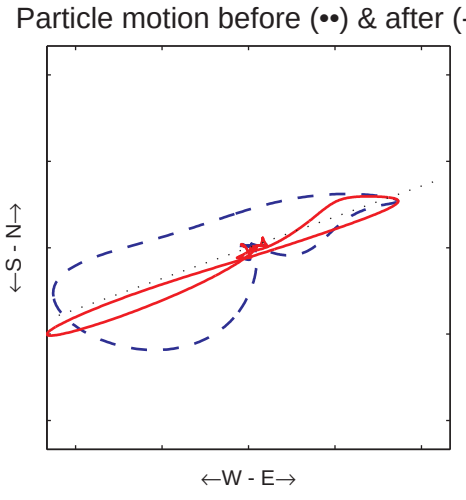
Rotation Correlation:	-1<	8° <	21	0.8<0.9s<1.2
Minimum Energy:	3<	10° <	21	0.7<0.9s<1.2
Eigenvalue:	-5<	0° <	7	1.0<1.1s<1.4

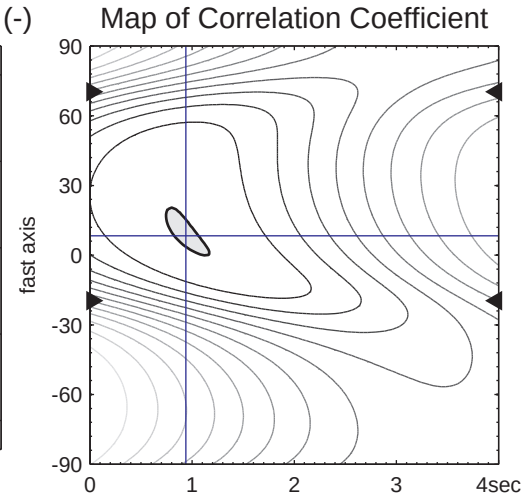
Quality: **good** IsNull: **No** Phase: **SKS**

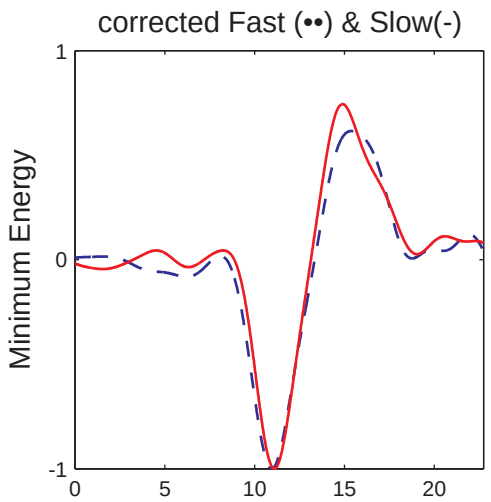


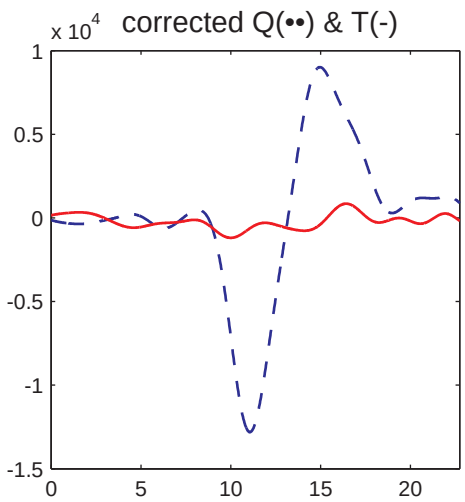


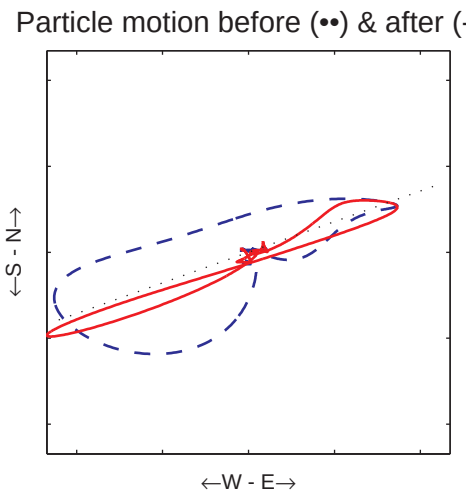


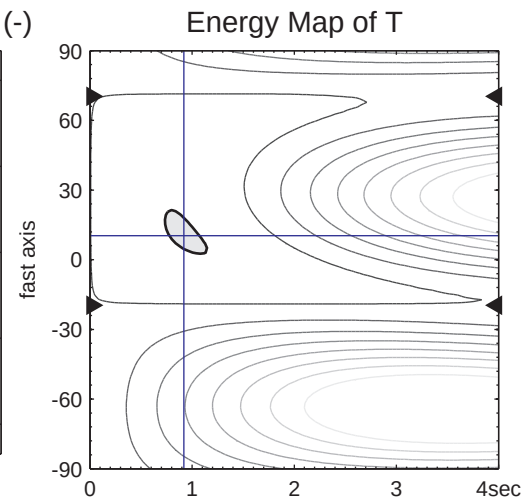


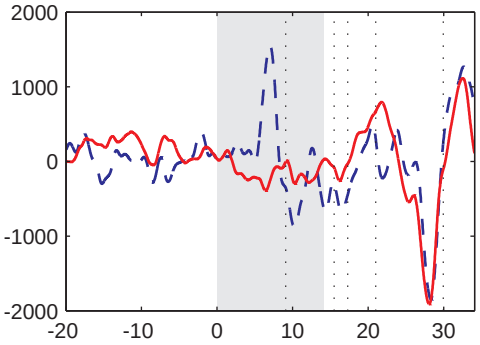








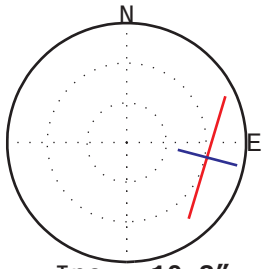




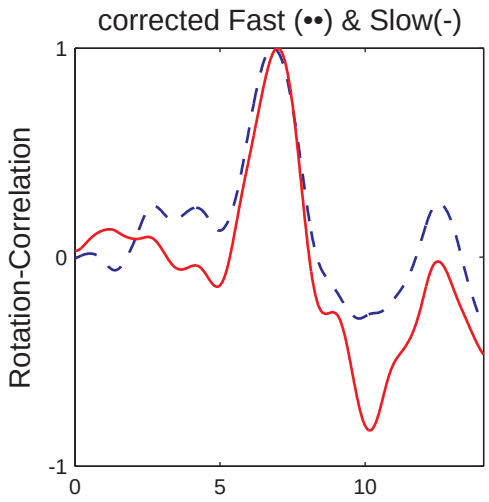
Event: **03-Jun-2008 (155) 22:04 -8.10N 120.23E 14km Mw=6.0**
Station: **GAZ** Backazimuth: **100.7”** Distance: **89.38”**
init.Pol.: **280.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.5**

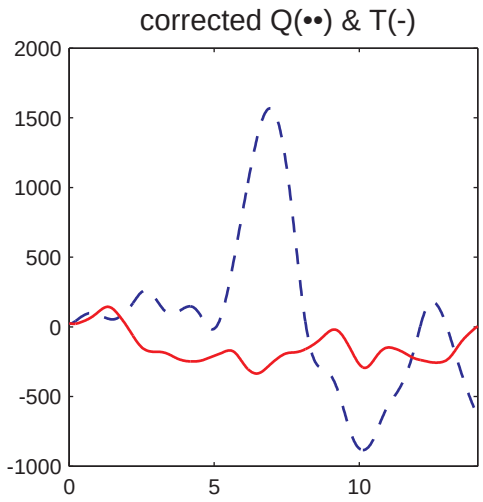
Rotation Correlation:	-64<	-28° < 7	0.0<0.1s<1.1
Minimum Energy:	-Inf<	17° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-75° < Inf	0.0<1.9s<Inf

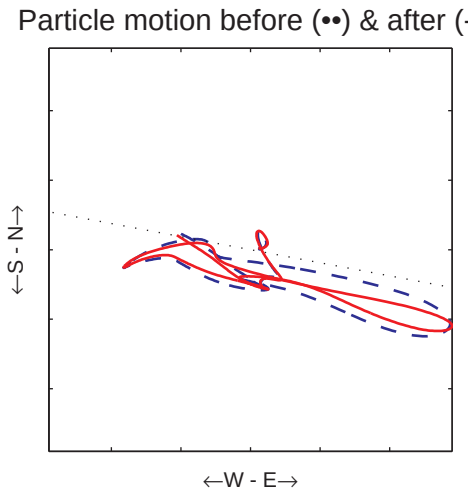
Quality: **good** IsNull: **Yes** Phase: **SKS**

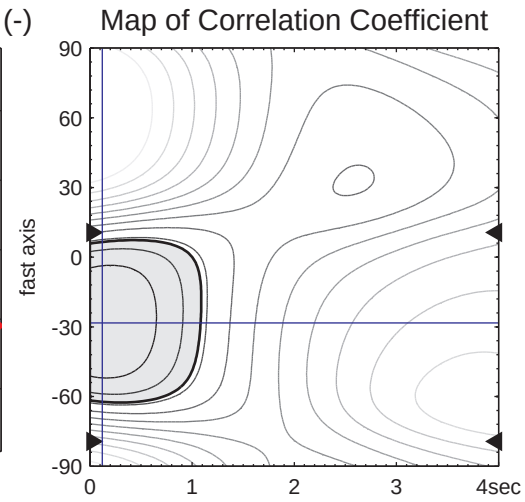


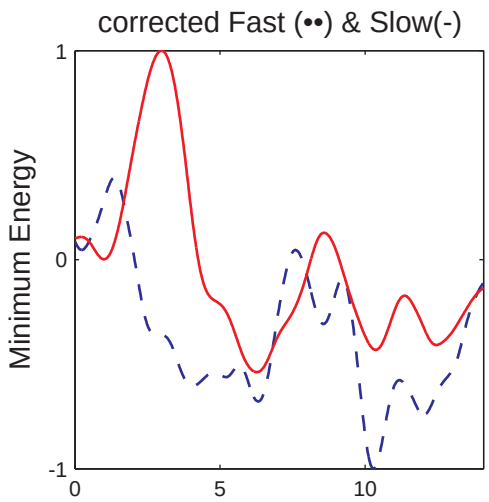
Inc = **10.3”**

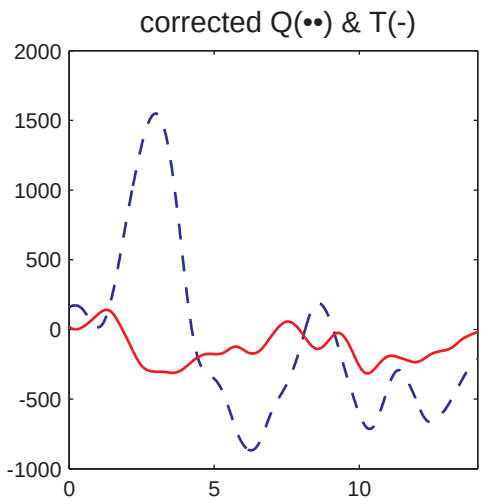


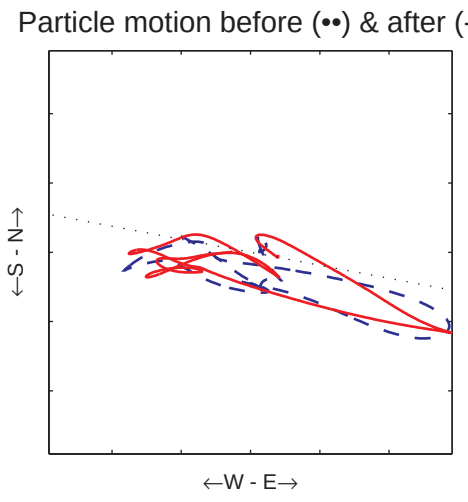


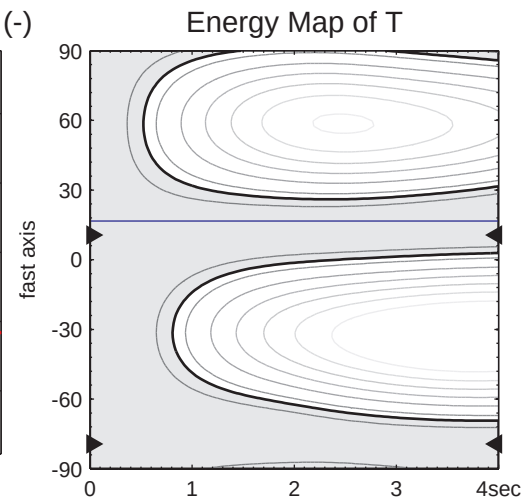


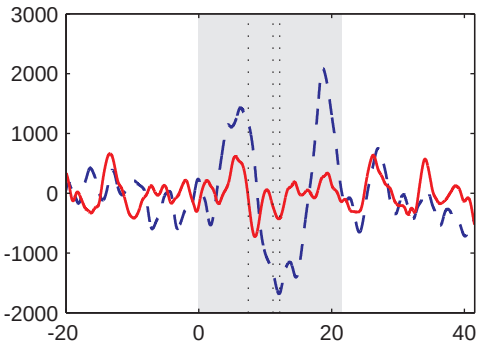








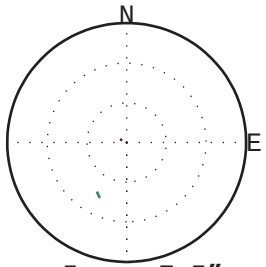


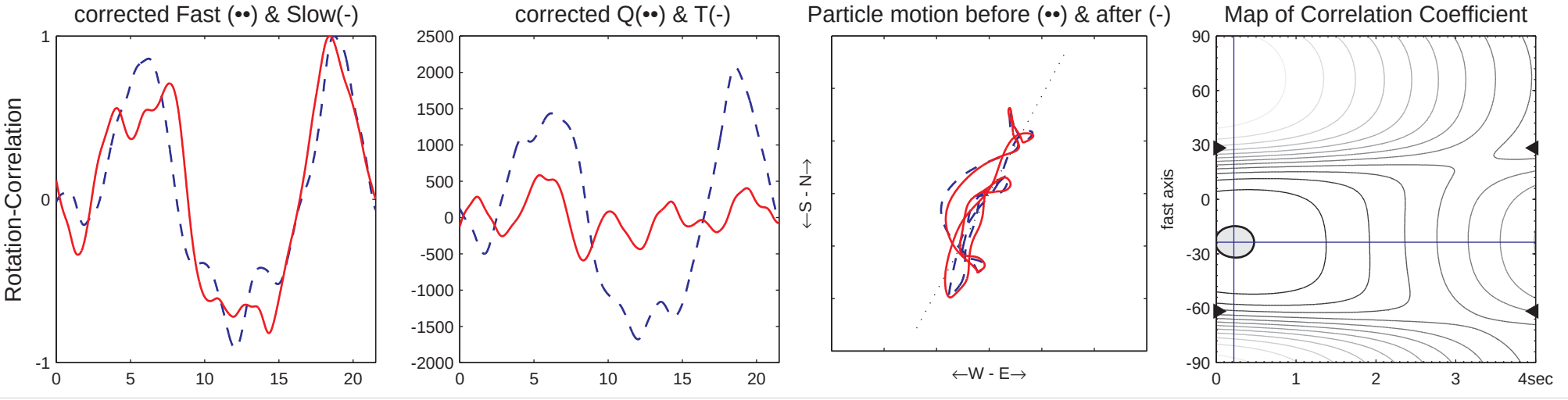


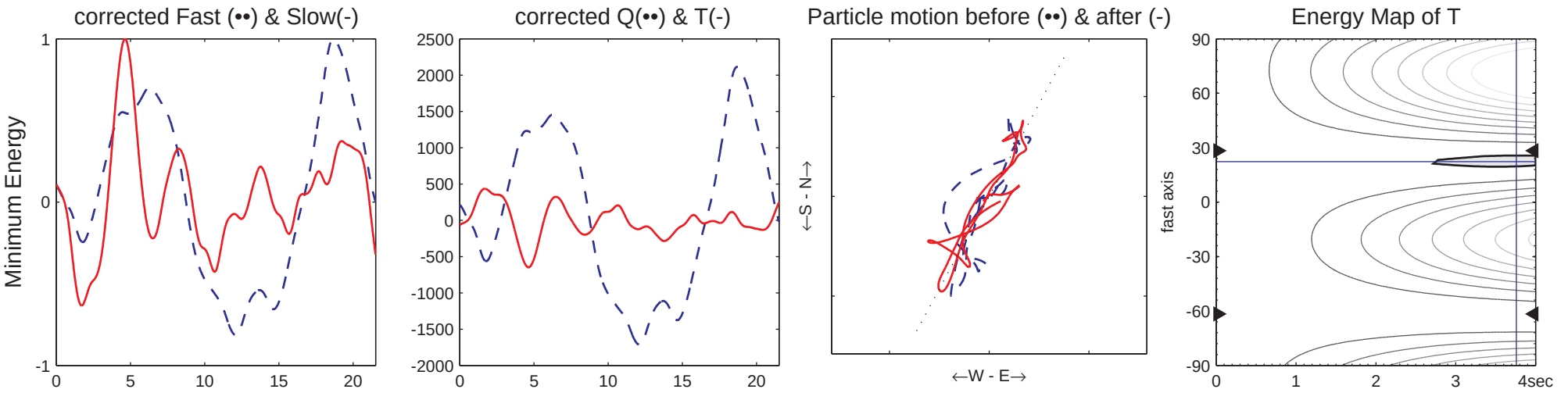
Event: **30-Jun-2008 (182) 06:17 -58.23N -22.10E 8km Mw=7.0**
Station: **GAZ** Backazimuth: **208.3”** Distance: **107.43”**
init.Pol.: **29.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

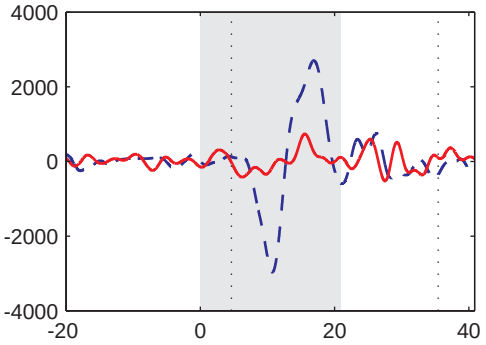
Rotation Correlation:	-33<	-24° <	-16	0.0<0.2s<0.5
Minimum Energy:	19<	22° <	25	2.7<3.8s<4.0
Eigenvalue:	17<	22° <	29	1.8<3.8s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





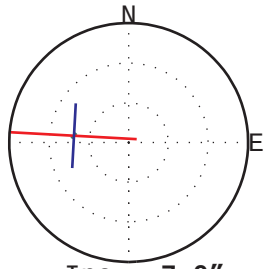




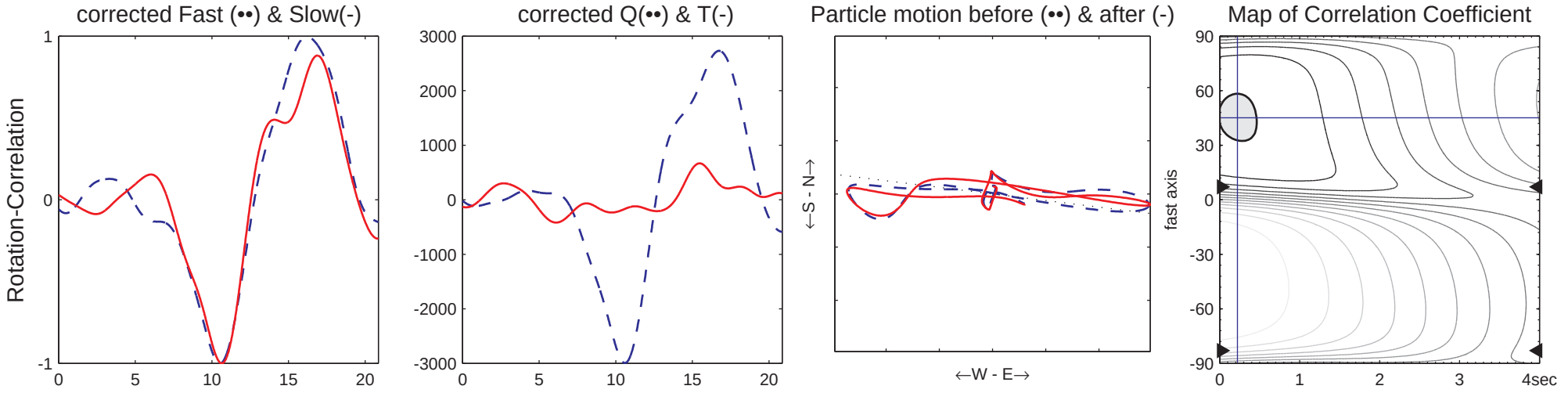
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **GAZ** Backazimuth: **277.1”** Distance: **111.77”**
init.Pol.: **87.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.0**

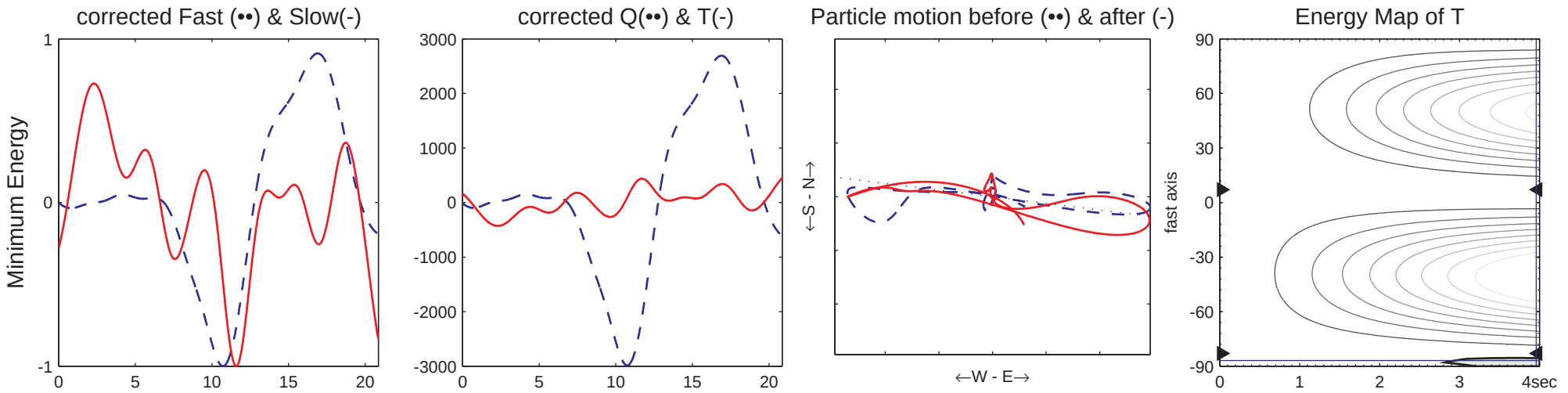
Rotation Correlation:	33<	45° <	58	0.0<0.2s<0.5
Minimum Energy:	-92<	-87° <	-88	2.8<4.0s<4.0
Eigenvalue:	-3<	3° <	39	0.2<2.0s<4.0

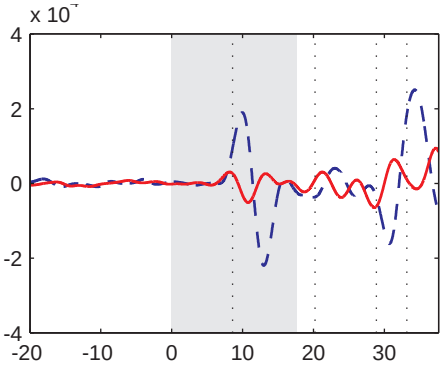
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.0”**



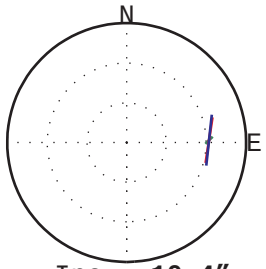


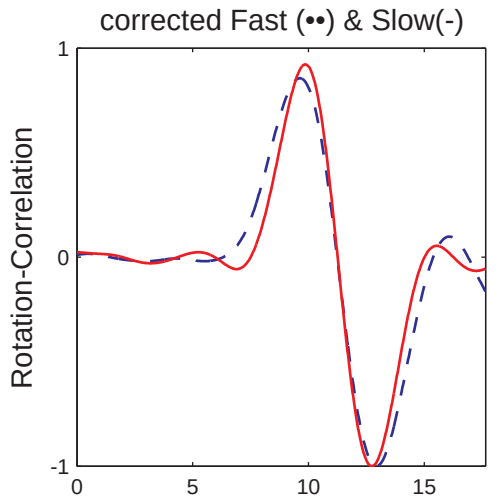


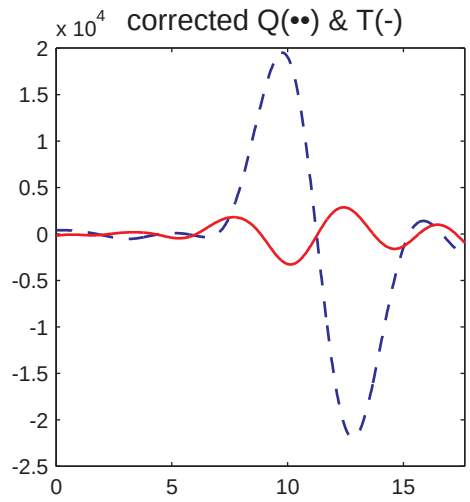
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **GAZ** Backazimuth: **88.4”** Distance: **88.98”**
init.Pol.: **266.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**22.3**

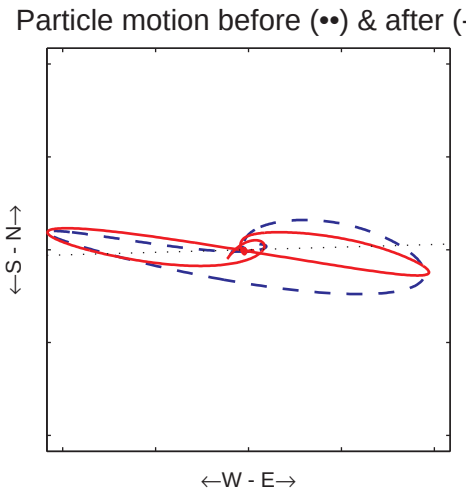
Rotation Correlation:	29<	45° <	62	0.2<0.3s<0.5
Minimum Energy:	7<	8° <	11	1.2<1.4s<1.7
Eigenvalue:	5<	6° <	9	1.3<1.6s<1.9

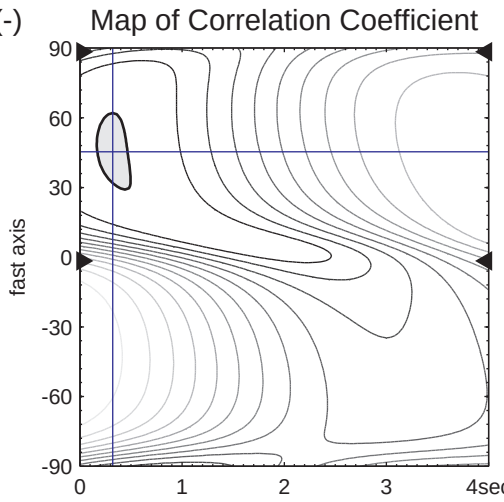
Quality: **fair** IsNull: **Yes** Phase: **SKS**

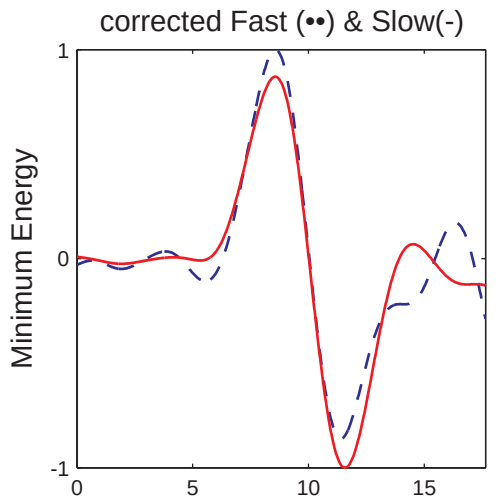


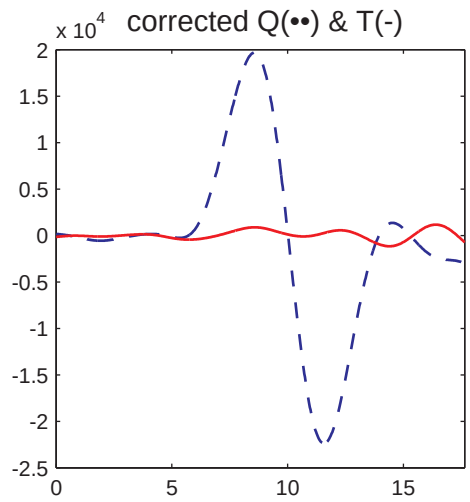


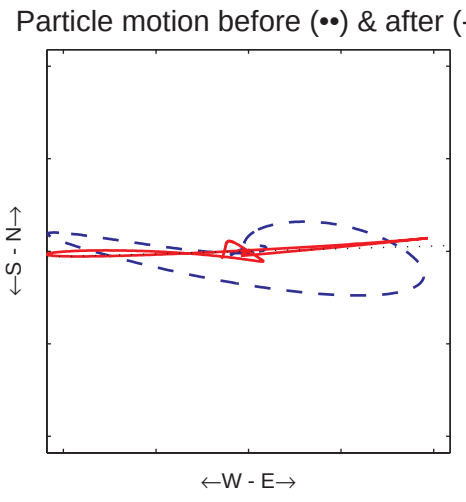


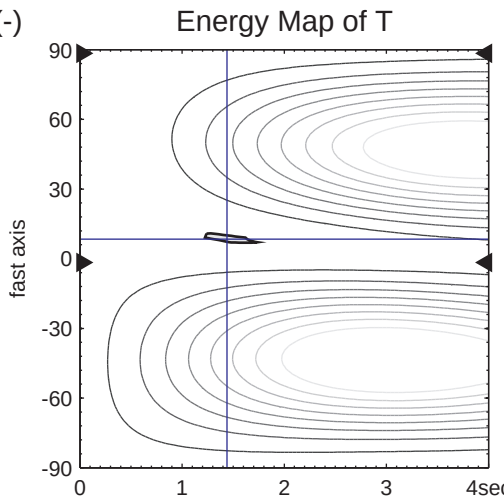


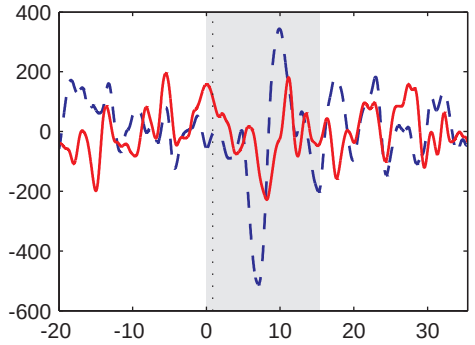








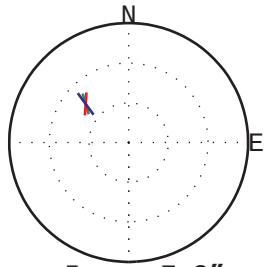


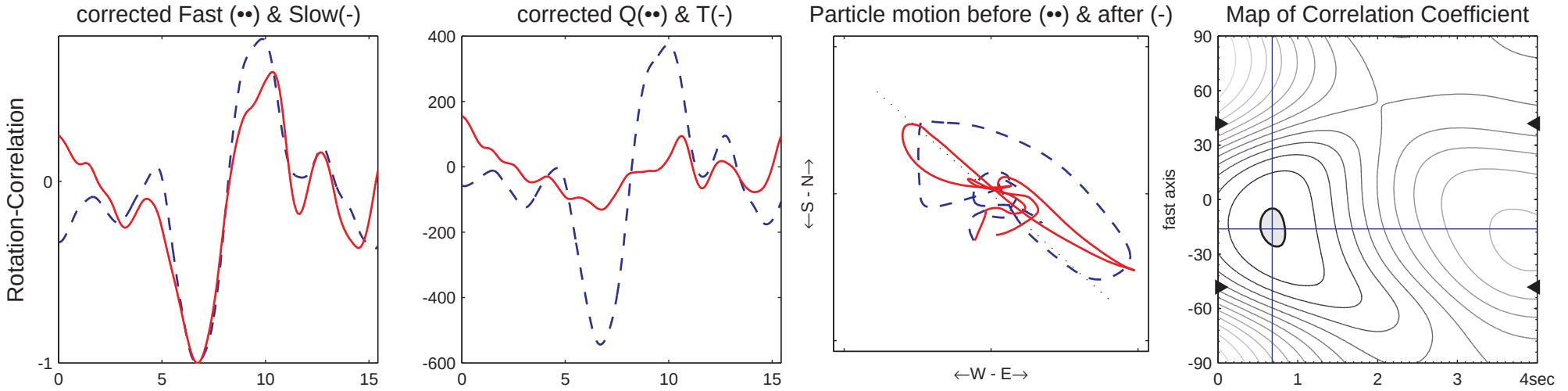


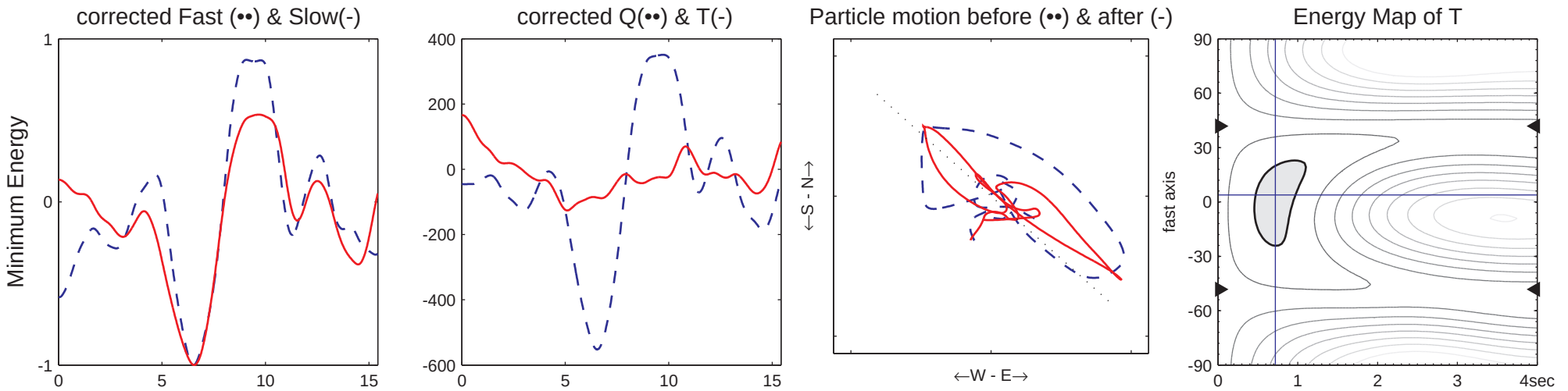
Event: **25-Feb-2011 (056) 13:07 17.84N -95.01E 122km Mw=5.9**
Station: **GAZ** Backazimuth: **311.8”** Distance: **108.94”**
init.Pol.: **116.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

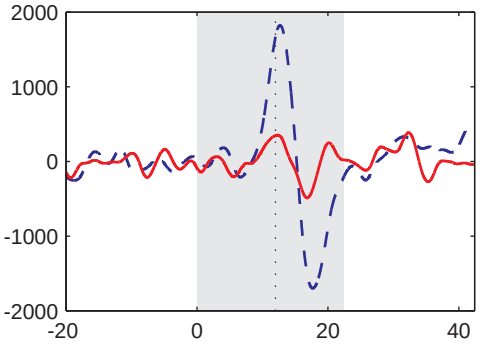
Rotation Correlation:	-27<	-16° <	-6	0.5<0.7s<0.8
Minimum Energy:	-23<	4° <	23	0.4<0.7s<1.1
Eigenvalue:	-58<	-36° <	-13	0.6<0.8s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





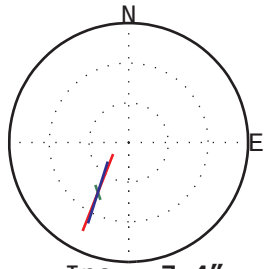


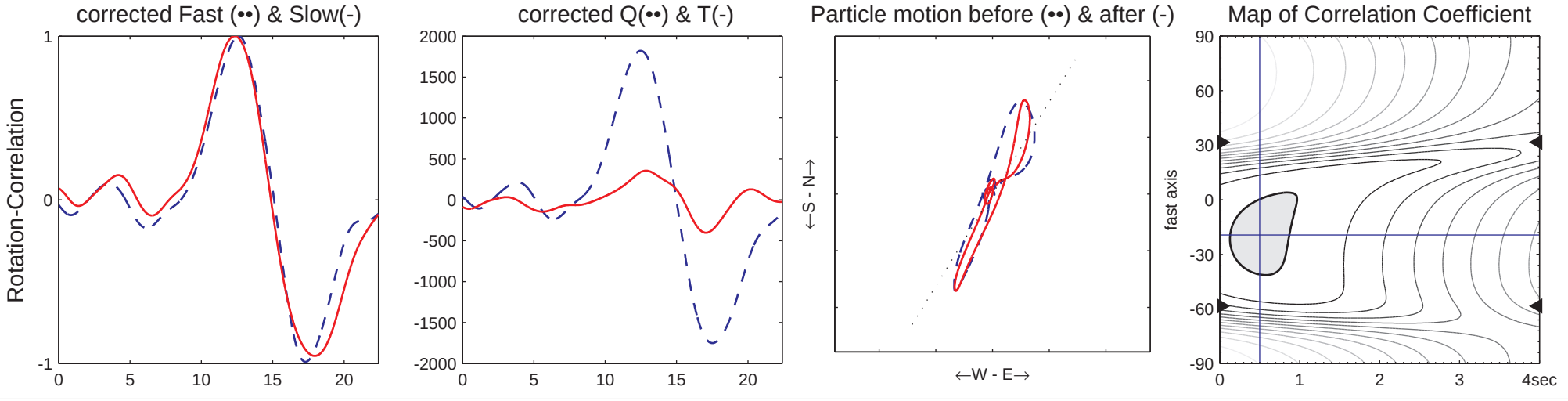


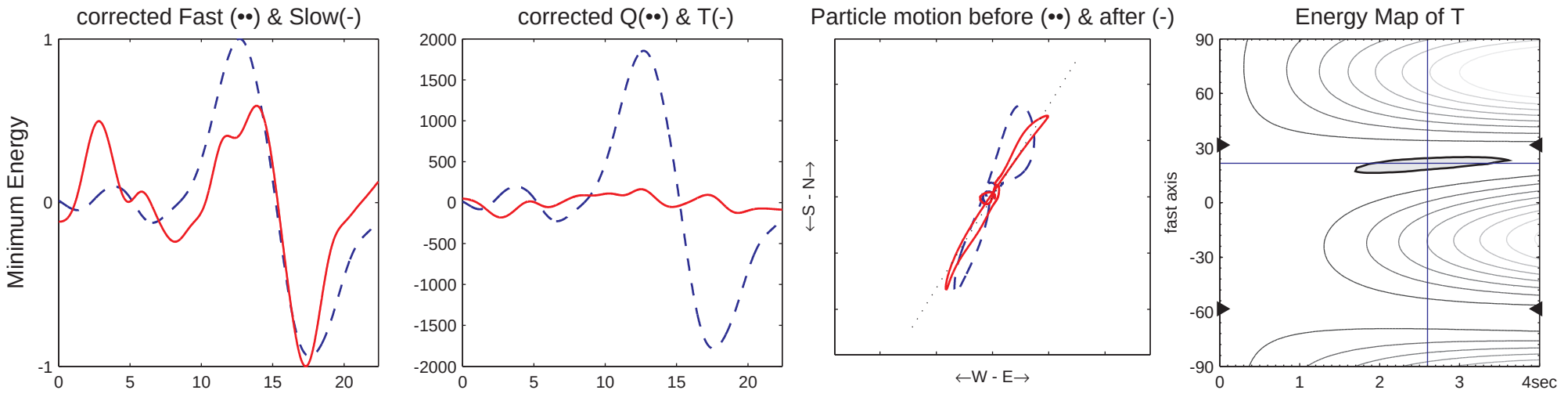
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **GAZ** Backazimuth: **211.6”** Distance: **108.19”**
init.Pol.: **27.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.7**

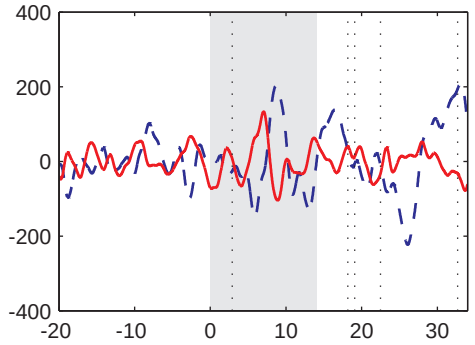
Rotation Correlation:	-43<	-19° <	3	0.1<0.5s<1.0
Minimum Energy:	17<	22° <	25	1.7<2.6s<3.6
Eigenvalue:	-3<	18° <	23	0.7<2.0s<3.1

Quality: **good** IsNull: **Yes** Phase: **SKS**





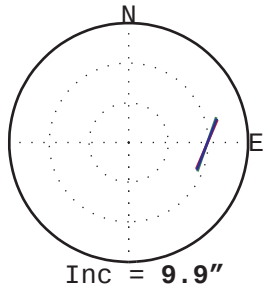


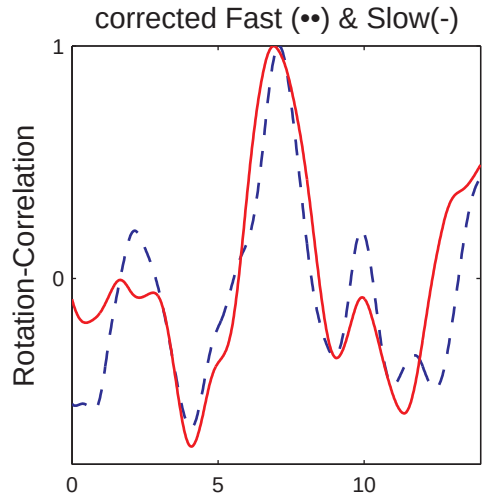


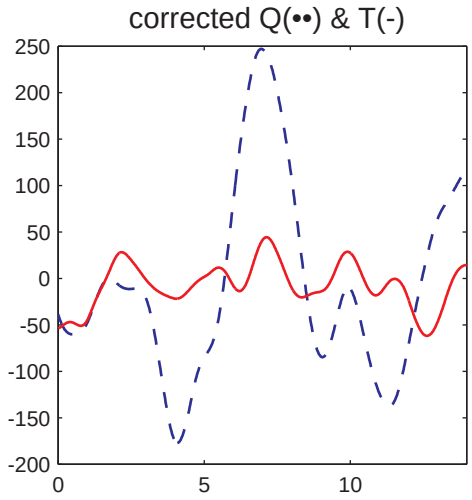
Event: **16-Aug-2011 (228) 11:03 -2.33N 128.00E 35km Mw=6.1**
Station: **GAZ** Backazimuth: **91.4”** Distance: **92.04”**
init.Pol.: **268.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

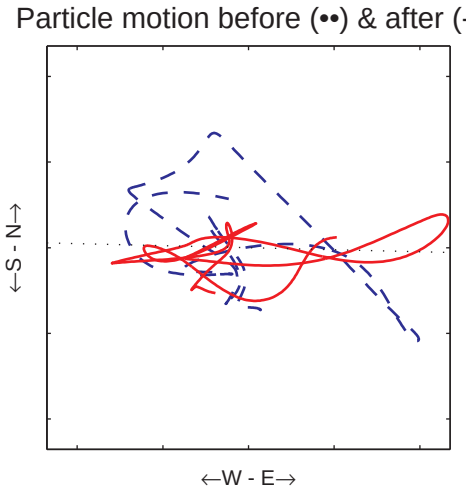
Rotation Correlation:	13<	19° <	28	1.6<1.8s<2.0
Minimum Energy:	19<	23° <	29	1.4<1.7s<2.0
Eigenvalue:	11<	21° <	31	1.4<1.7s<2.0

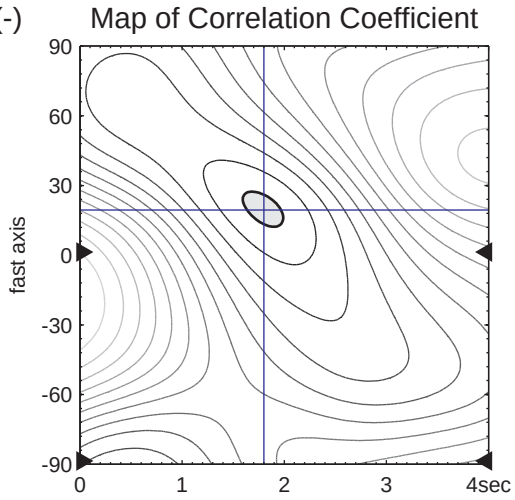
Quality: **good** IsNull: **No** Phase: **SKS**

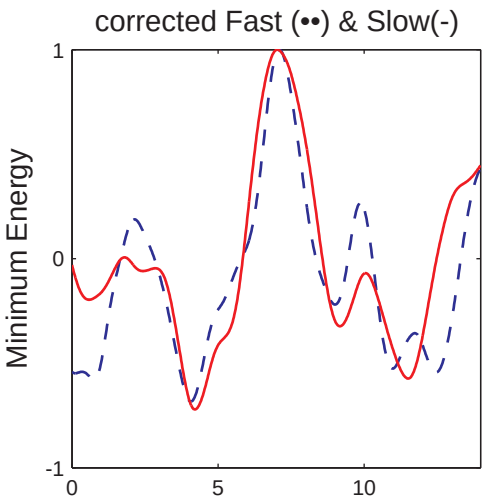


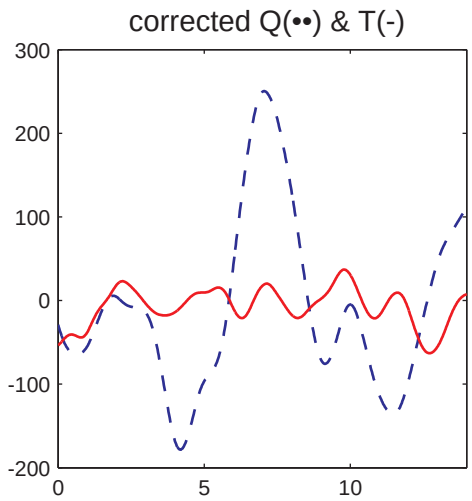


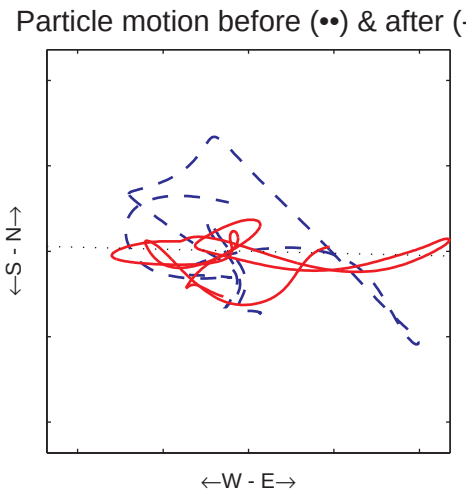


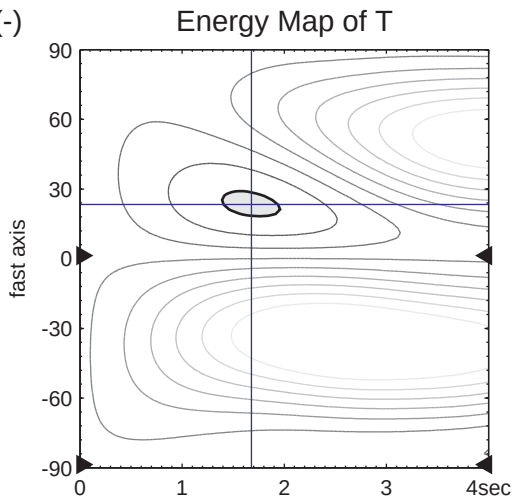


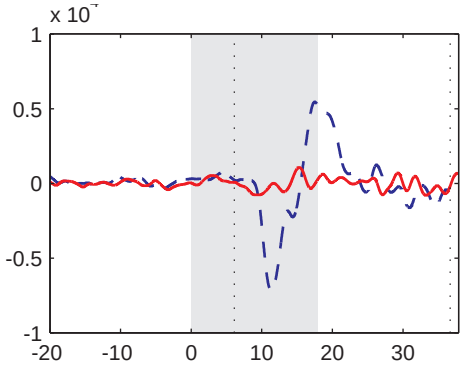








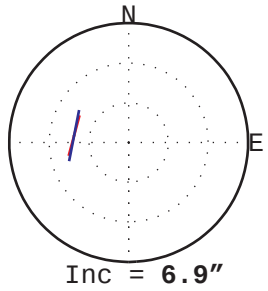


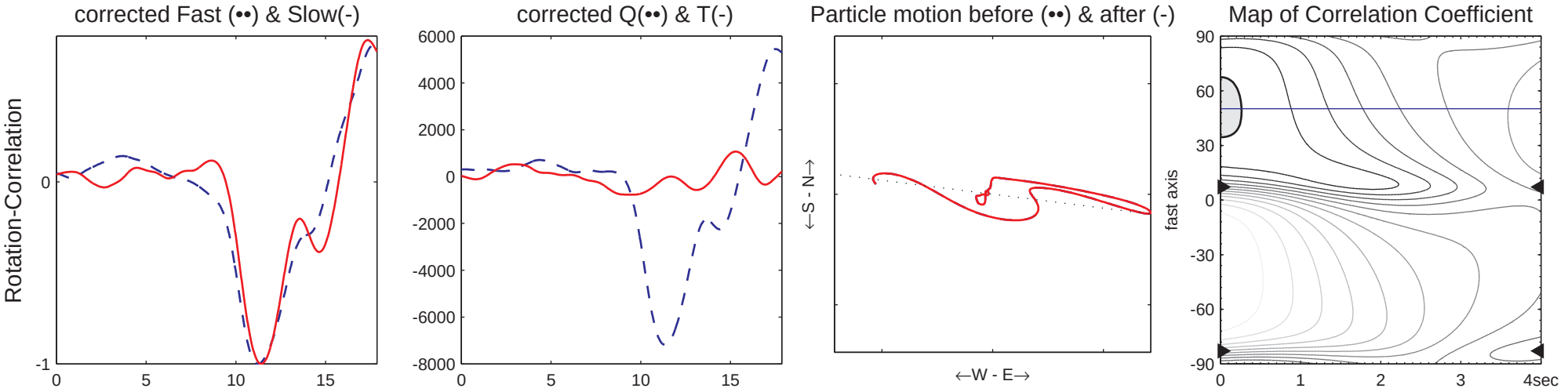


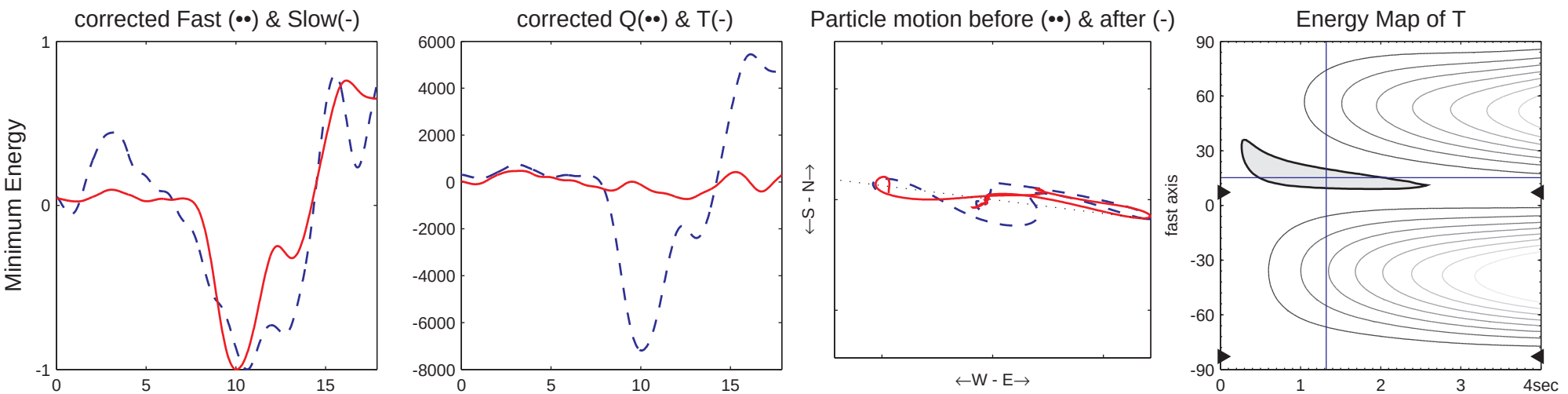
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **GAZ** Backazimuth: **277.2”** Distance: **111.89”**
init.Pol.: **93.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.0**

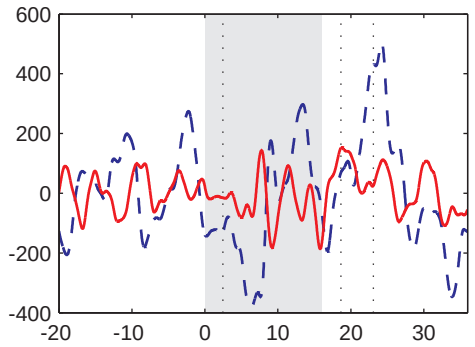
Rotation Correlation:	35<	50° <	68	0.0<0.0s<0.3
Minimum Energy:	9<	15° <	35	0.3<1.3s<2.6
Eigenvalue:	5<	11° <	17	0.9<1.6s<2.5

Quality: **fair** IsNull: **Yes** Phase: **SKS**





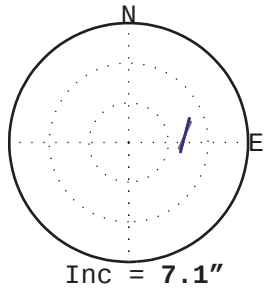


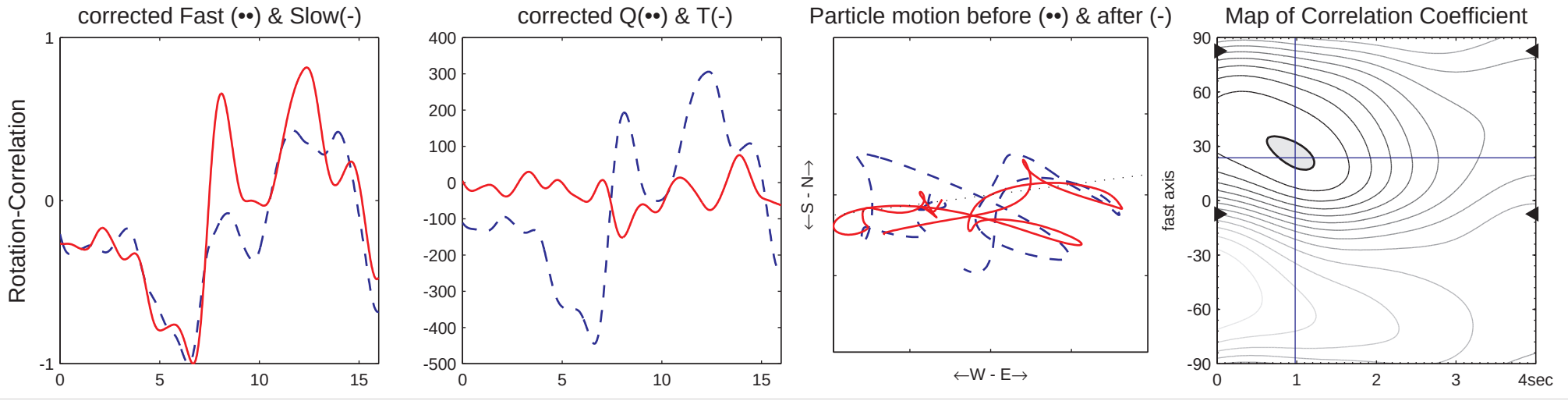


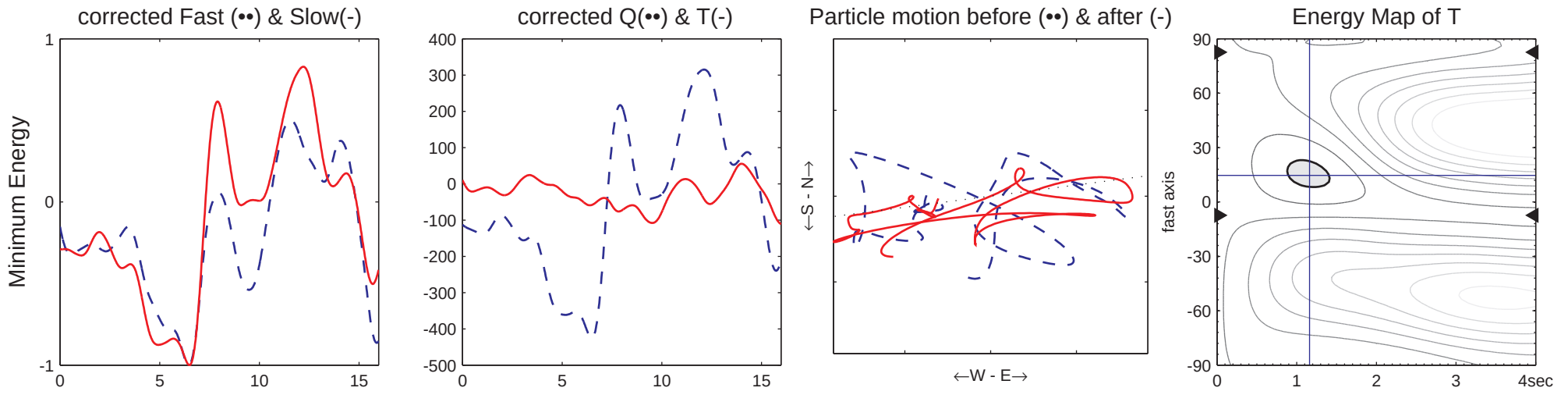
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **GAZ** Backazimuth: **82.6”** Distance: **110.40”**
init.Pol.: **261.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

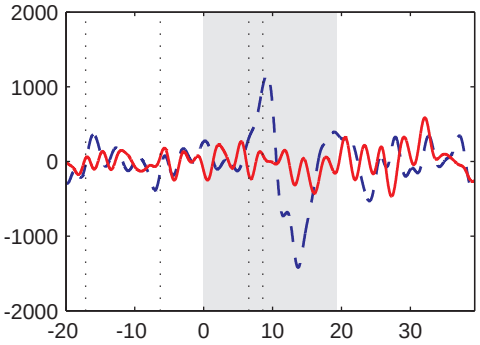
Rotation Correlation:	17<	24° <	36	0.6<1.0s<1.2
Minimum Energy:	9<	15° <	23	0.9<1.2s<1.4
Eigenvalue:	7<	15° <	21	0.9<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





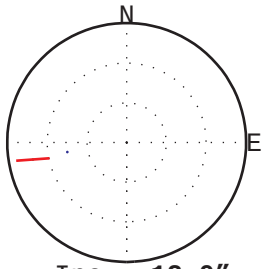




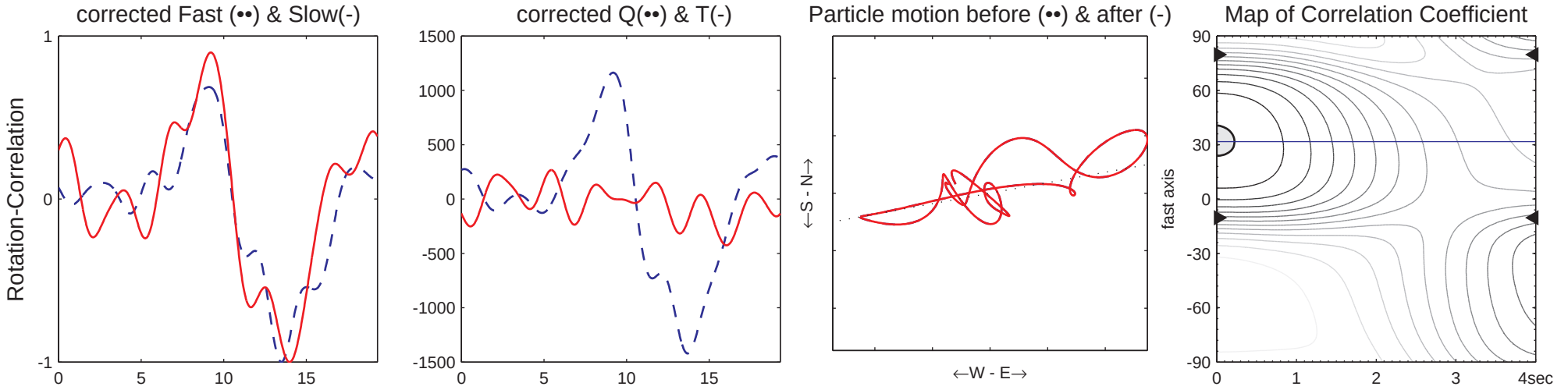
Event: **24-Mar-2008 (084) 20:39 -20.04N -68.96E 120km** Mw=**6.2**
Station: **GAZI** Backazimuth: **259.7”** Distance: **110.54”**
init.Pol.: **68.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

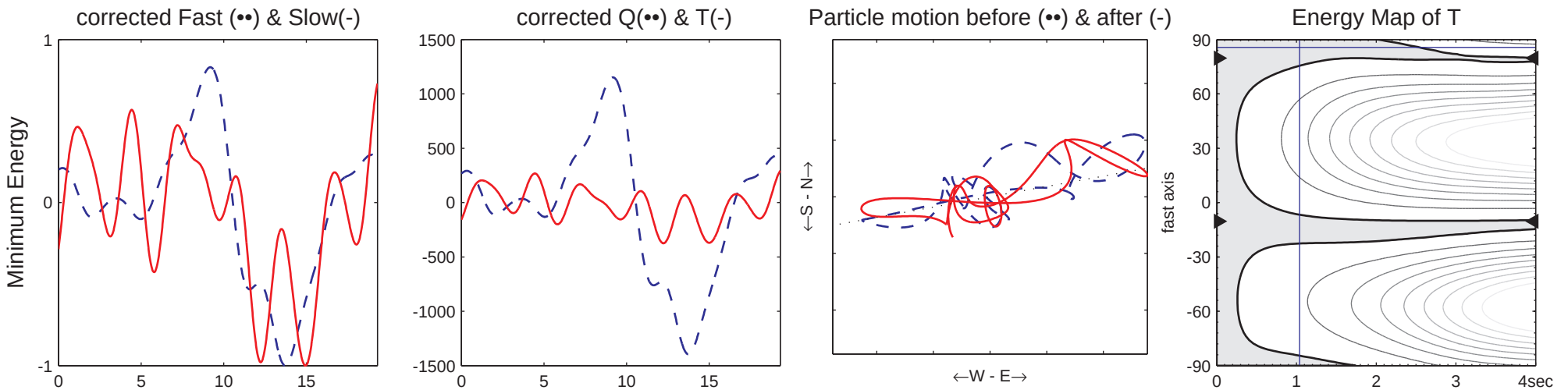
Rotation Correlation:	24<	32° <	41	0.0<0.0s<0.2
Minimum Energy:	-Inf<	86° <	Inf	0.0<1.0s<Inf
Eigenvalue:	72<	78° <	86	1.4<2.2s<2.7

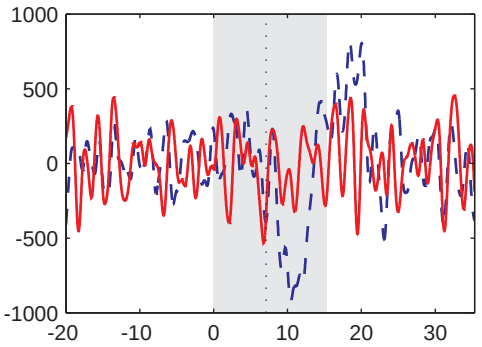
Quality: **fair** IsNull: **Yes** Phase: **SKKS**



Inc = **12.0”**



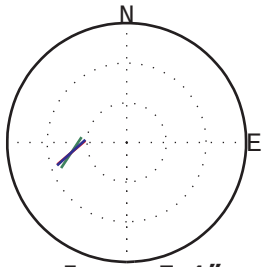




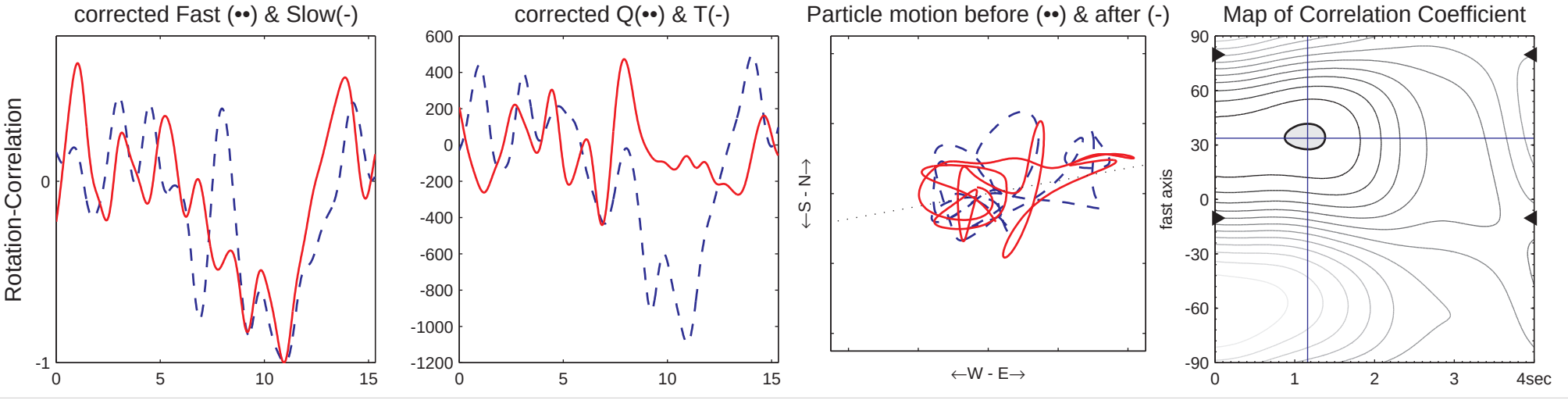
Event: **24-Mar-2008 (084) 20:39 -20.04N -68.96E 120km** Mw=**6.2**
Station: **GAZI** Backazimuth: **259.7”** Distance: **110.54”**
init.Pol.: **76.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

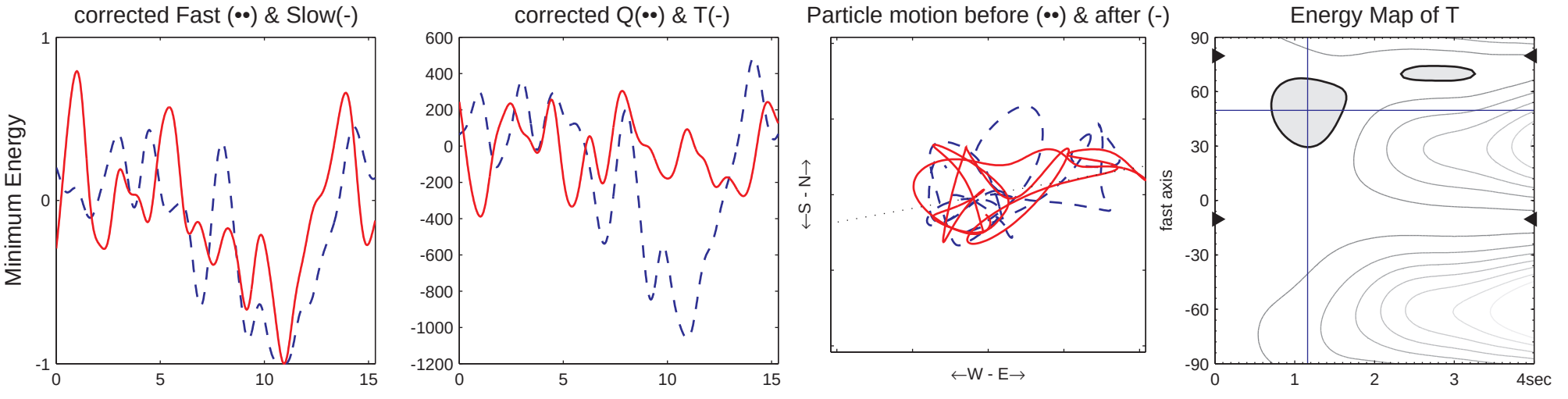
Rotation Correlation:	28<	34° <	42	0.9<1.2s<1.4
Minimum Energy:	29<	50° <	68	0.7<1.2s<1.6
Eigenvalue:	27<	48° <	66	0.7<1.2s<1.6

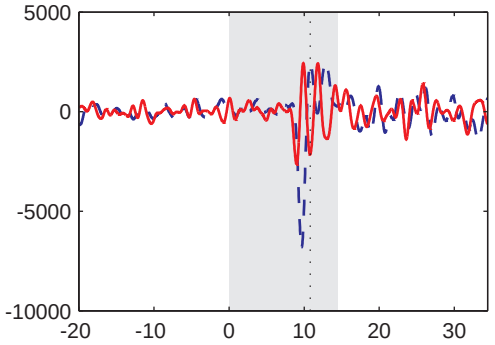
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.1”**



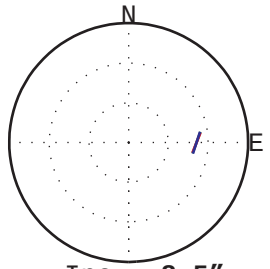


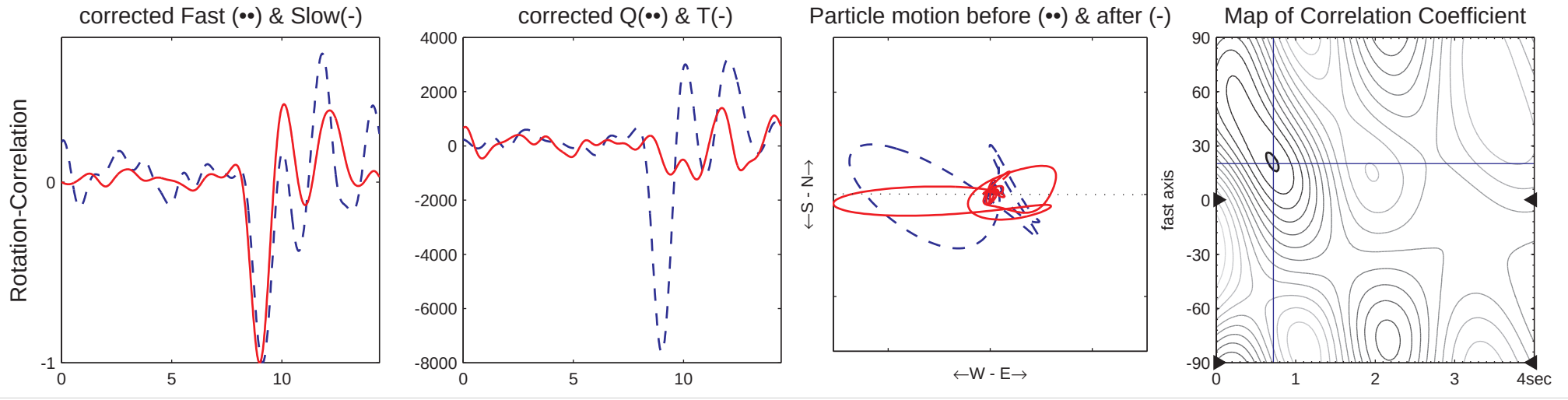


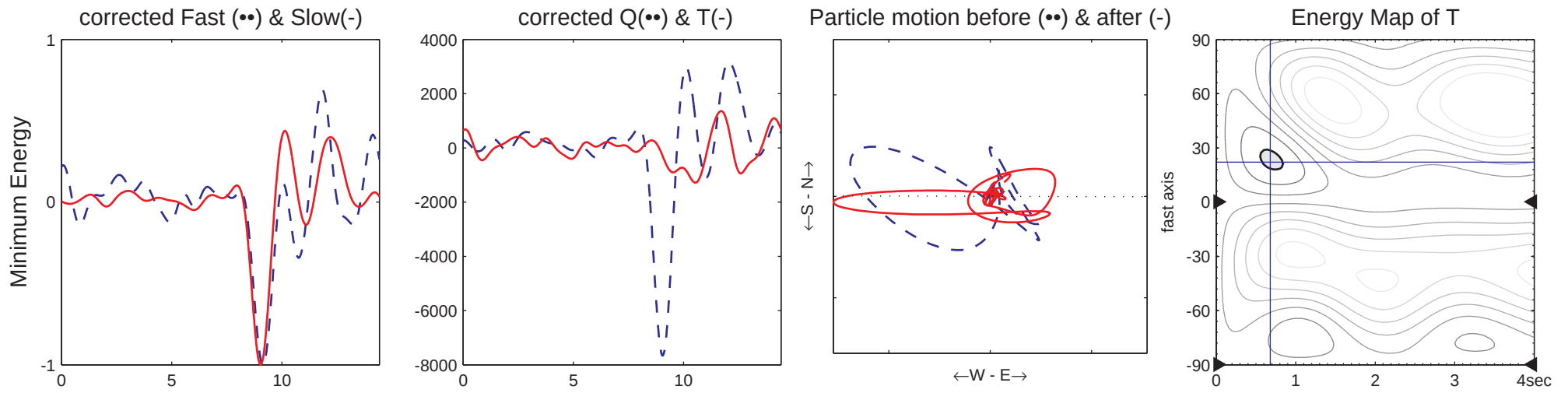
Event: **04-Aug-2008 (217) 20:45 -5.92N 130.19E 173km Mw=6.3**
Station: **GAZI** Backazimuth: **90.1”** Distance: **99.84”**
init.Pol.: **264.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.0**

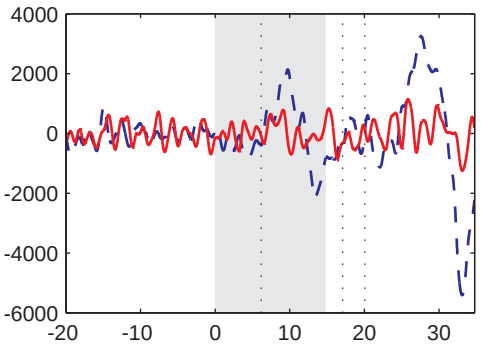
Rotation Correlation:	16<	20° <	27	0.6<0.7s<0.8
Minimum Energy:	17<	22° <	29	0.6<0.7s<0.8
Eigenvalue:	11<	18° <	29	0.6<0.7s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





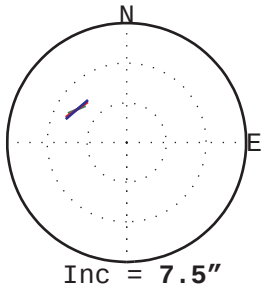


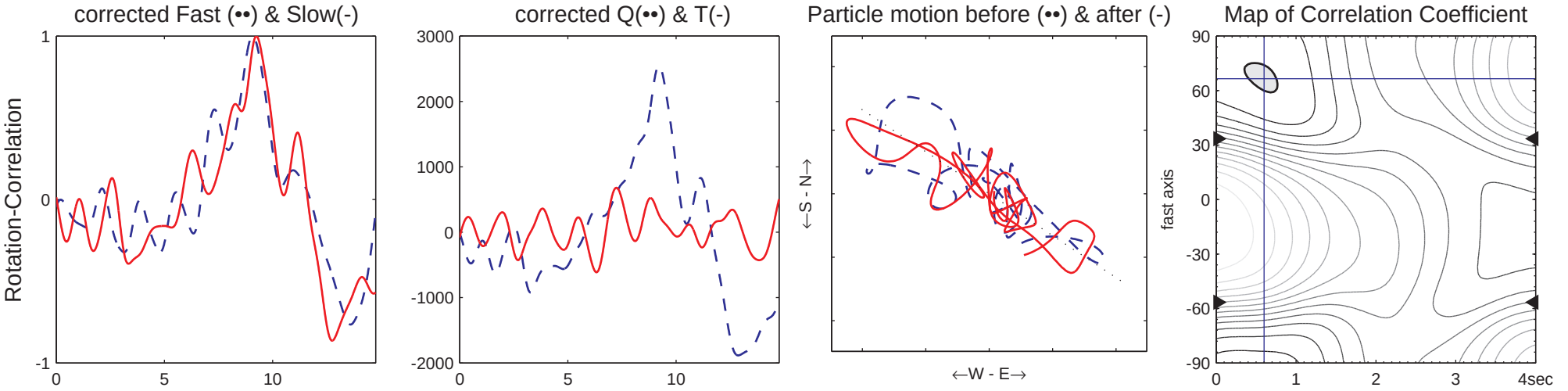


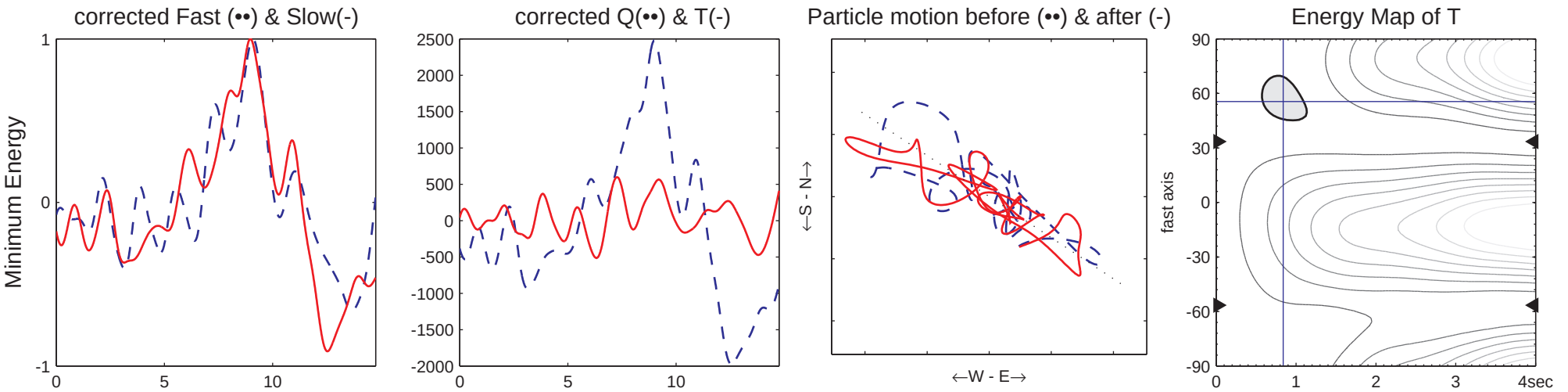
Event: **16-Oct-2008 (290) 19:41 14.42N -92.36E 24km Mw=6.7**
Station: **GAZI** Backazimuth: **303.5”** Distance: **107.29”**
init.Pol.: **117.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

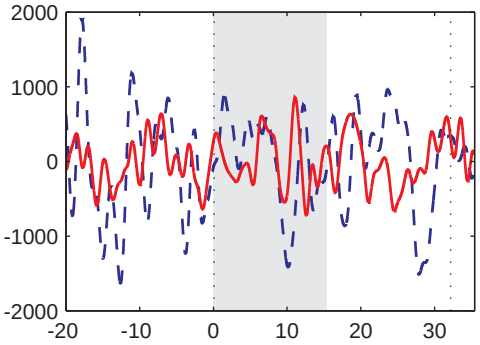
Rotation Correlation:	59<	66° <	75	0.4<0.6s<0.8
Minimum Energy:	46<	55° <	70	0.6<0.8s<1.1
Eigenvalue:	39<	49° <	62	0.6<0.9s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





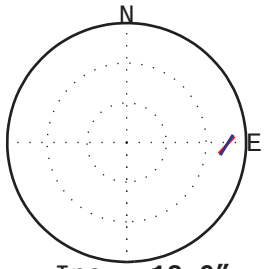




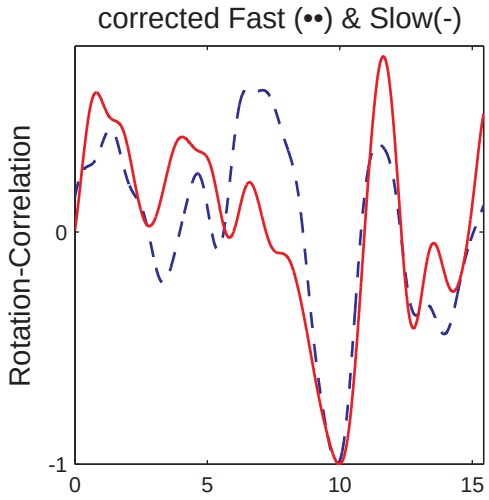
Event: **07-Nov-2008 (312) 16:04 -6.71N 129.07E 10km Mw=6.2**
Station: **GAZI** Backazimuth: **91.5”** Distance: **99.40”**
init.Pol.: **262.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

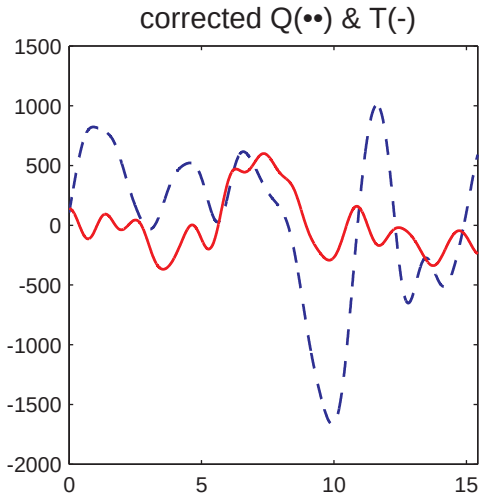
Rotation Correlation:	27<	35° <	44	0.6<0.8s<0.9
Minimum Energy:	25<	43° <	62	0.5<0.7s<1.0
Eigenvalue:	11<	31° <	54	0.5<0.7s<1.0

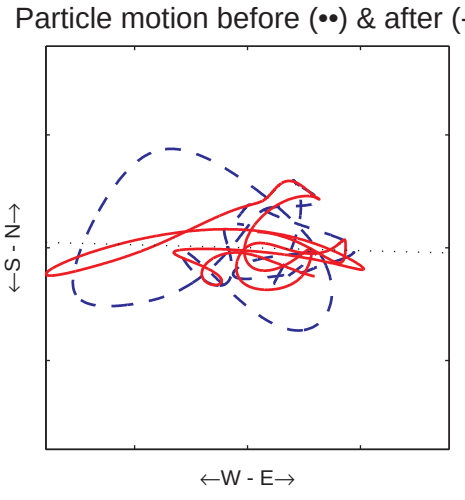
Quality: **fair** IsNull: **No** Phase: **SKKS**

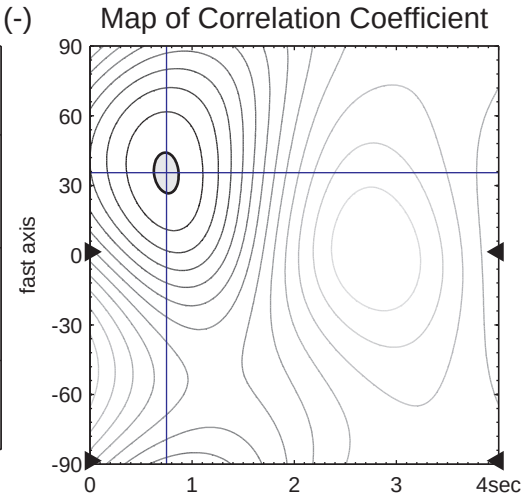


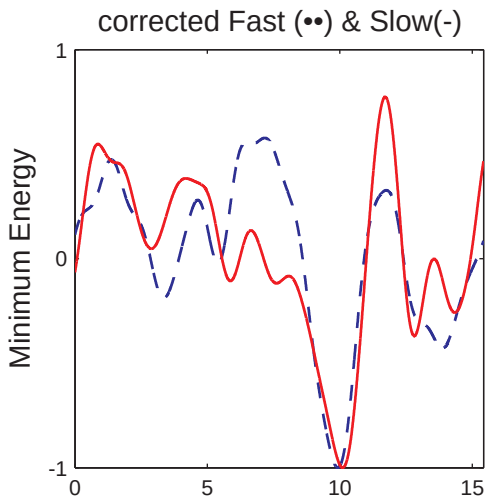
Inc = **12.6”**

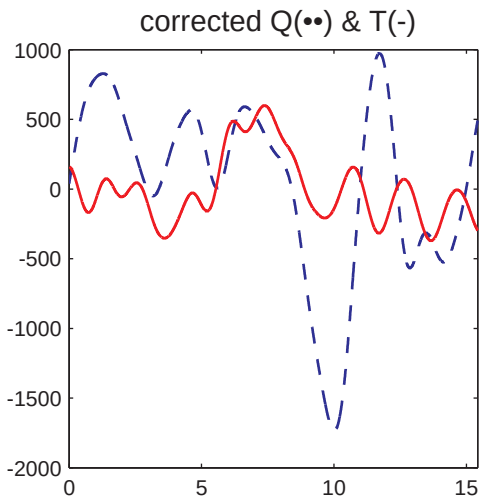


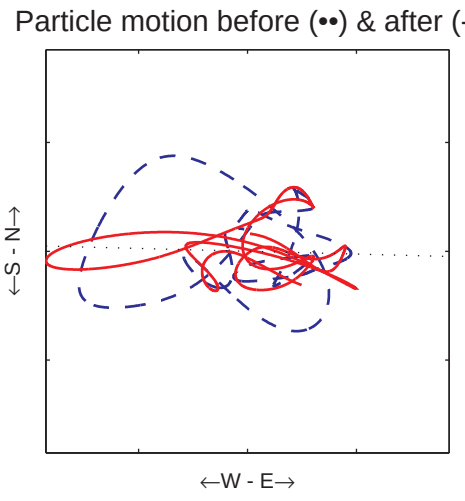


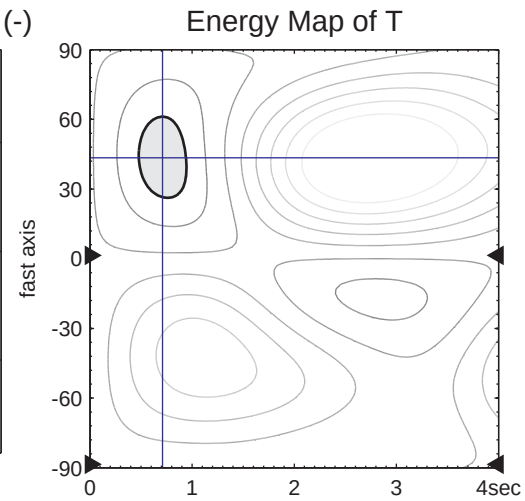


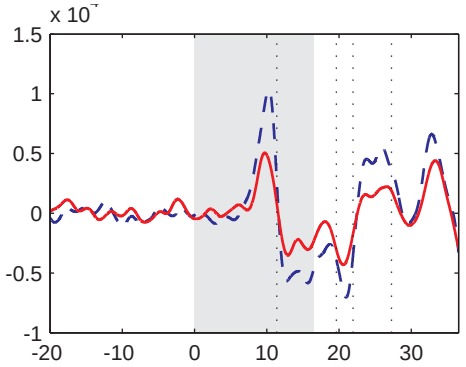








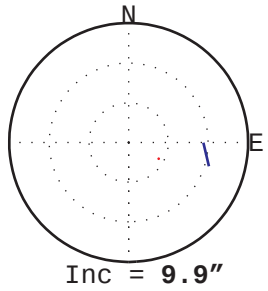


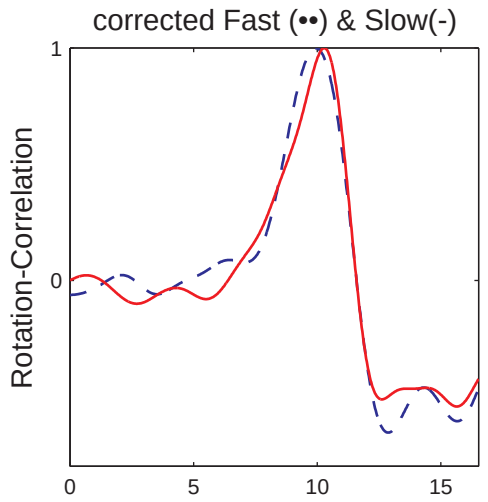


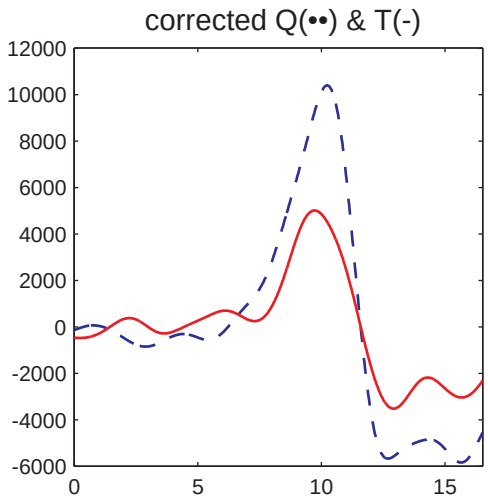
Event: **08-Nov-2009 (312) 19:41 -8.21N 118.63E 18km Mw=6.6**
Station: **GAZI** Backazimuth: **98.8”** Distance: **91.90”**
init.Pol.: **251.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

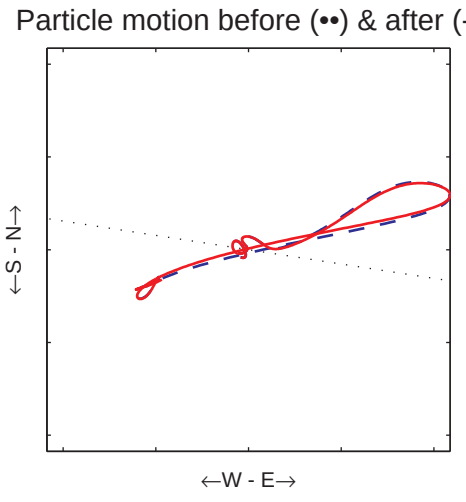
Rotation Correlation:	14<	27° <	43	0.0<0.0s<0.2
Minimum Energy:	78<	85° <	-92	1.9<3.0s<4.0
Eigenvalue:	-21<	-13° <	74	0.0<0.8s<4.0

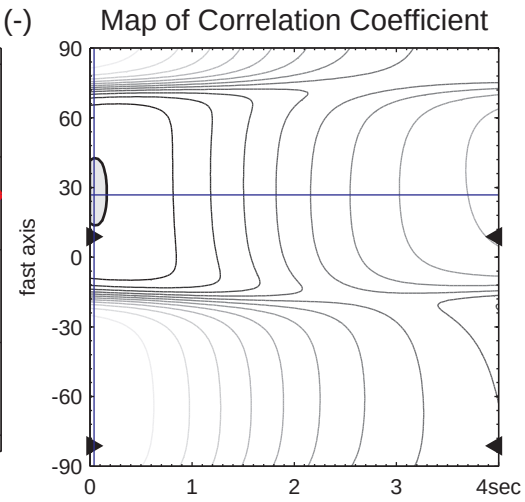
Quality: **fair** IsNull: **Yes** Phase: **SKS**

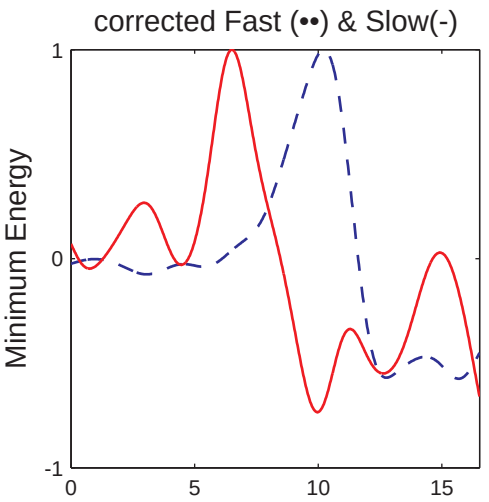


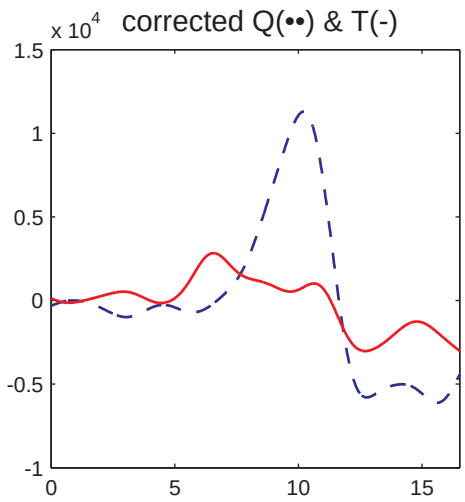


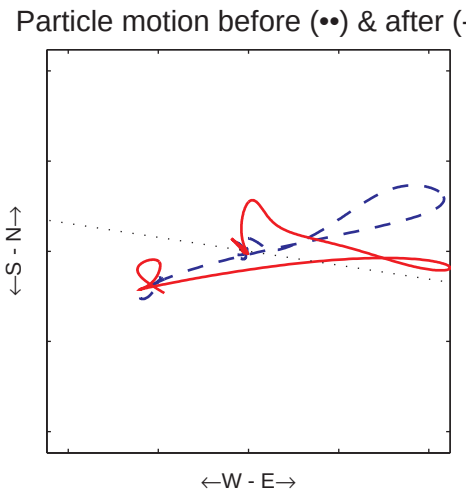


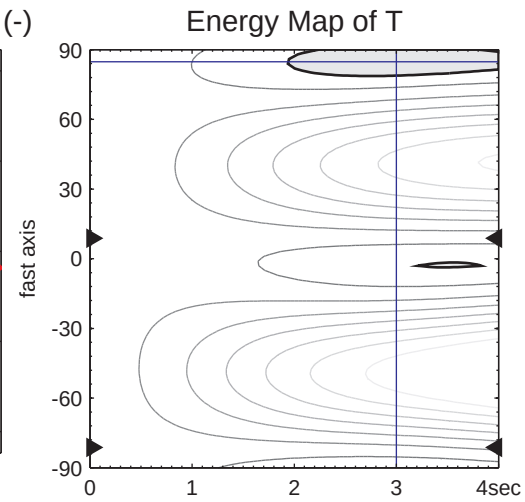


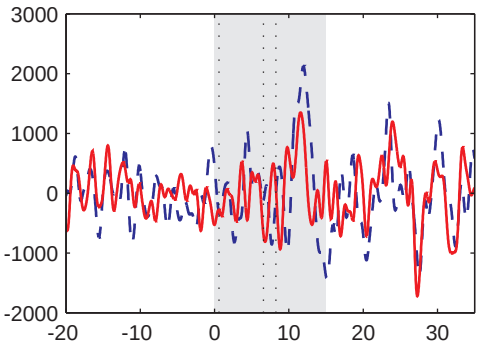








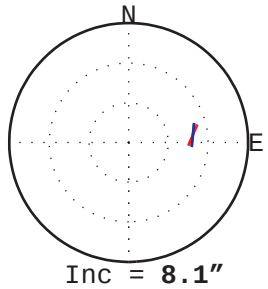


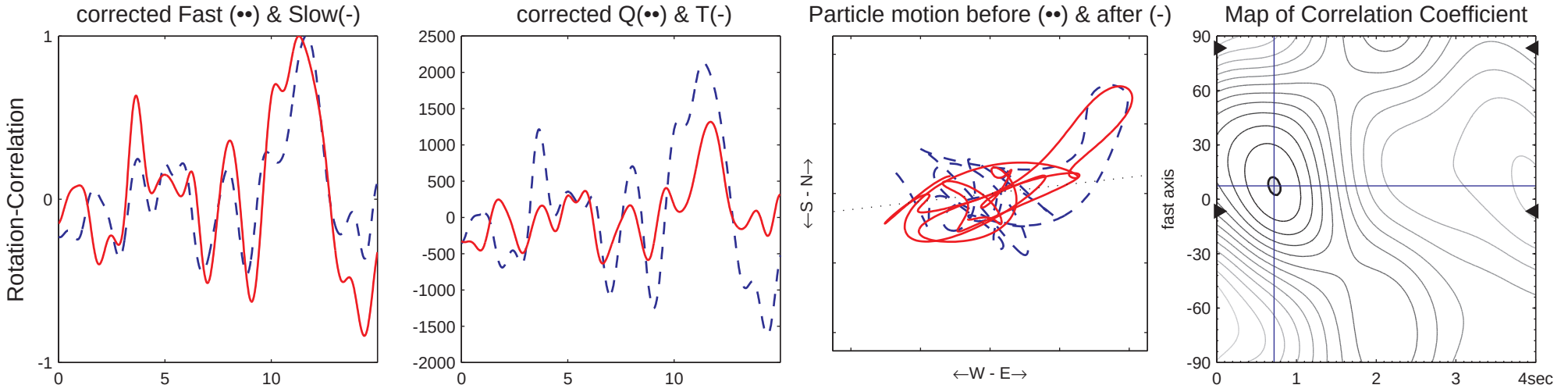


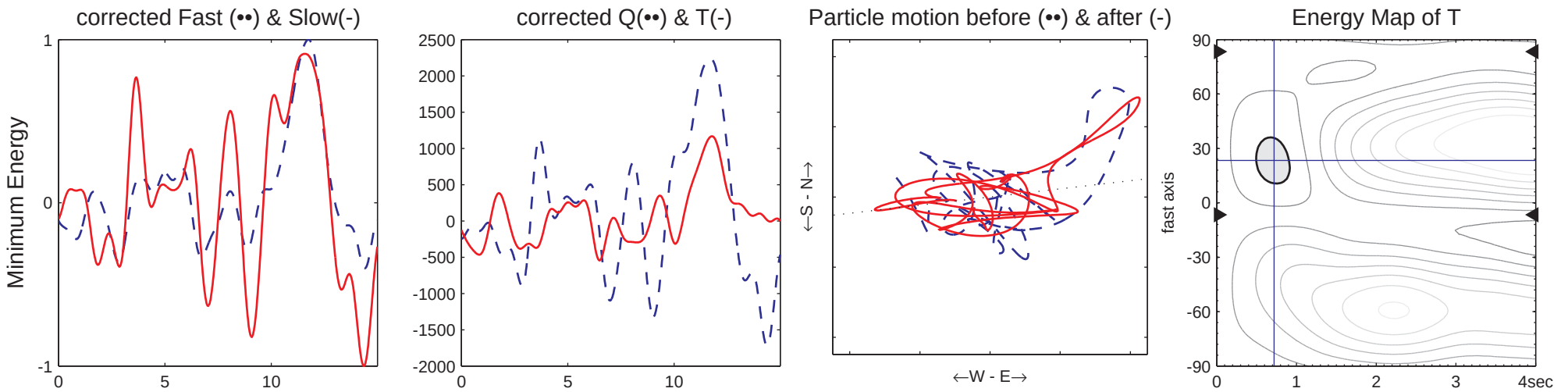
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **GAZI** Backazimuth: **83.4”** Distance: **102.94”**
init.Pol.: **242.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.9**

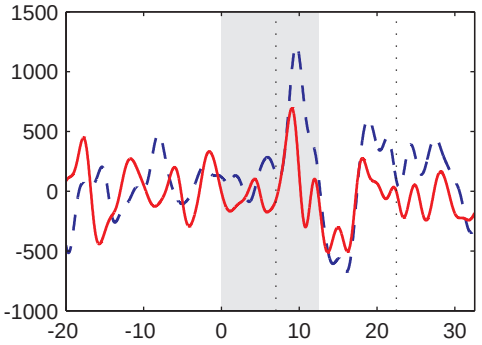
Rotation Correlation:	3<	7° <	13	0.6<0.7s<0.8
Minimum Energy:	11<	23° <	35	0.5<0.7s<0.9
Eigenvalue:	-5<	5° <	15	0.6<0.8s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





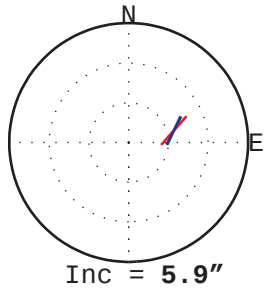


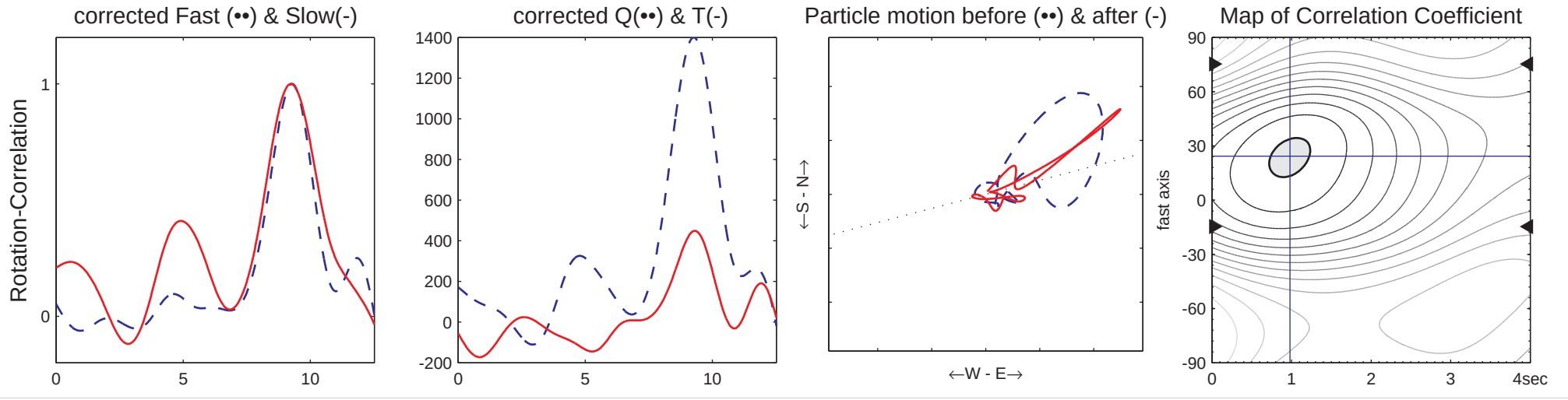


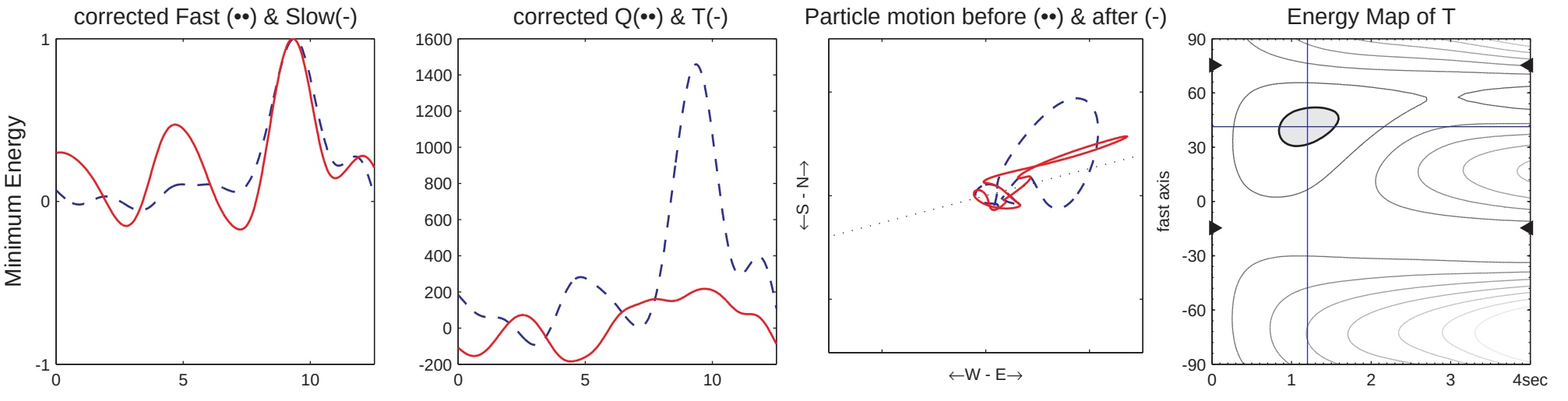
Event: **07-Feb-2011 (038) 19:53 -7.15N 155.18E 415km Mw=6.4**
Station: **GAZI** Backazimuth: **75.4”** Distance: **120.53”**
init.Pol.: **237.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

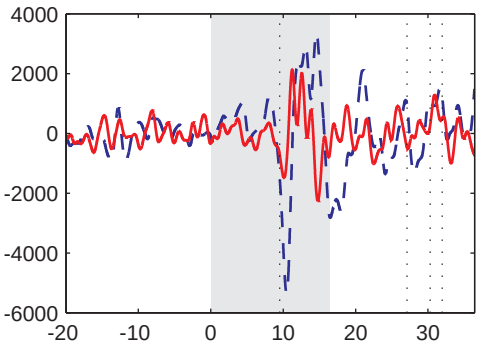
Rotation Correlation:	13<	24° <	35	0.7<1.0s<1.2
Minimum Energy:	31<	41° <	52	0.8<1.2s<1.6
Eigenvalue:	13<	27° <	37	0.8<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





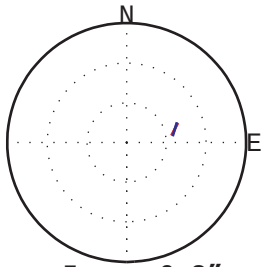




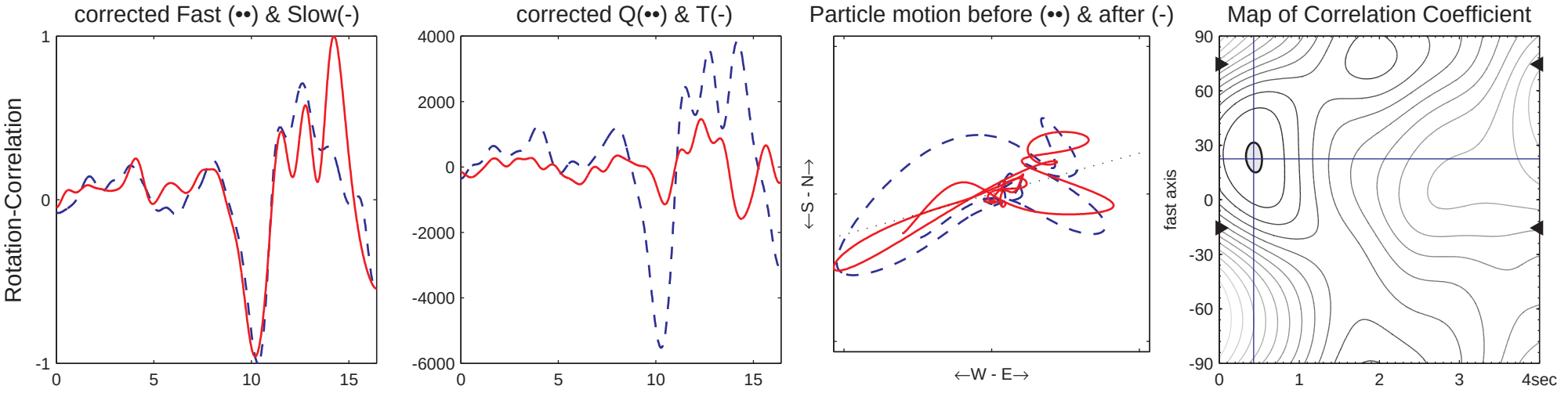
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **GAZI** Backazimuth: **74.5”** Distance: **117.40”**
init.Pol.: **247.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.9**

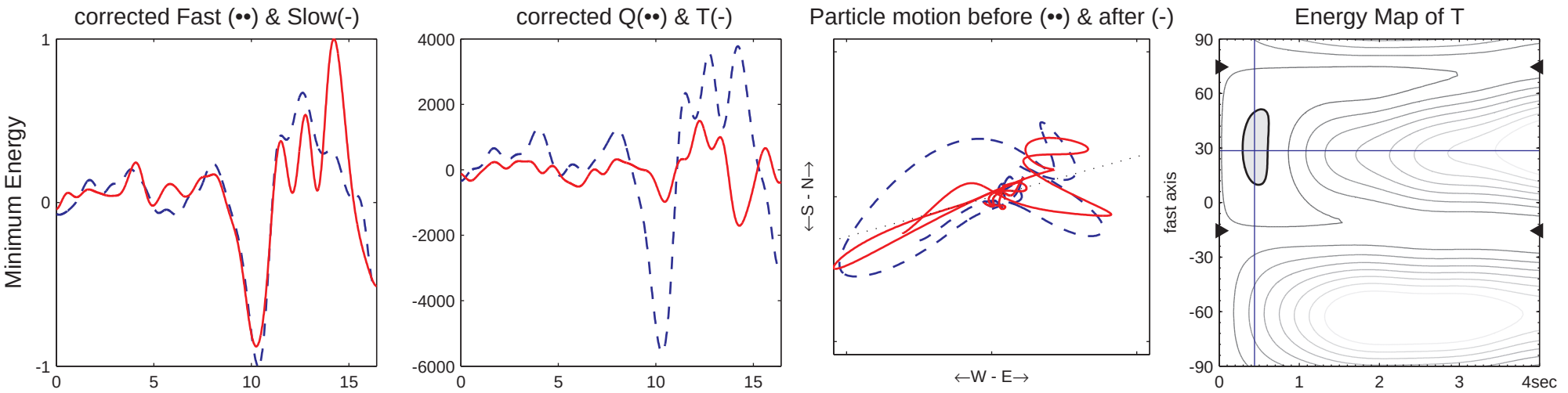
Rotation Correlation:	15<	23° <	32	0.3<0.4s<0.5
Minimum Energy:	9<	29° <	52	0.3<0.4s<0.6
Eigenvalue:	-5<	17° <	43	0.3<0.5s<0.7

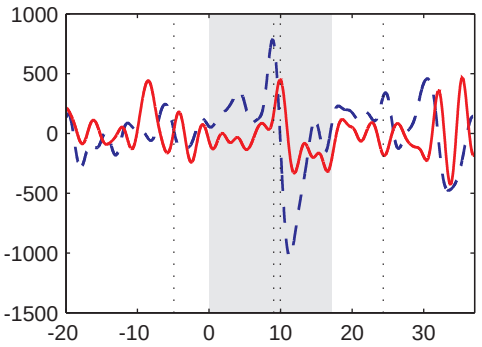
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.3”**



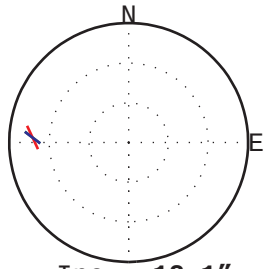




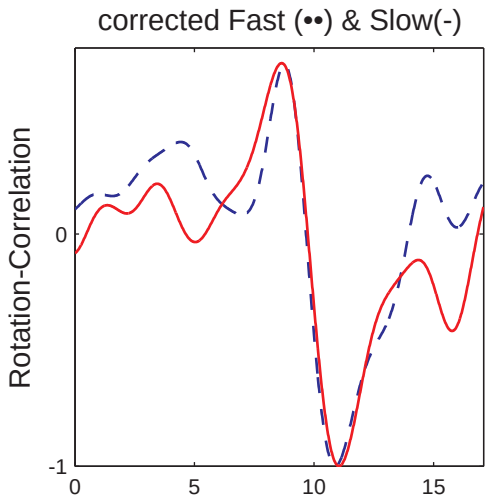
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **GAZI** Backazimuth: **272.9”** Distance: **108.31”**
init.Pol.: **83.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

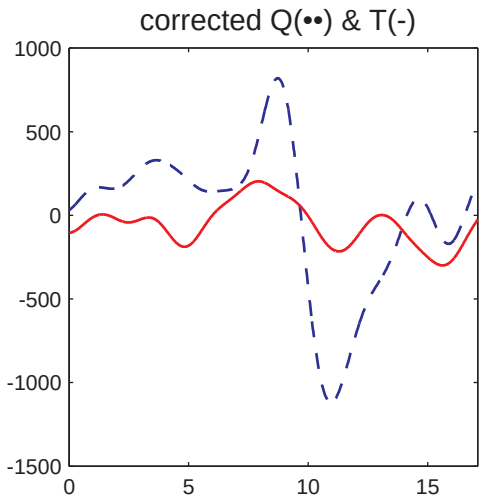
Rotation Correlation:	-61< -52° < -44	0.5<0.6s<0.7
Minimum Energy:	-54< -25° < -11	0.4<0.8s<1.5
Eigenvalue:	-84< -53° < -23	0.4<0.6s<0.9

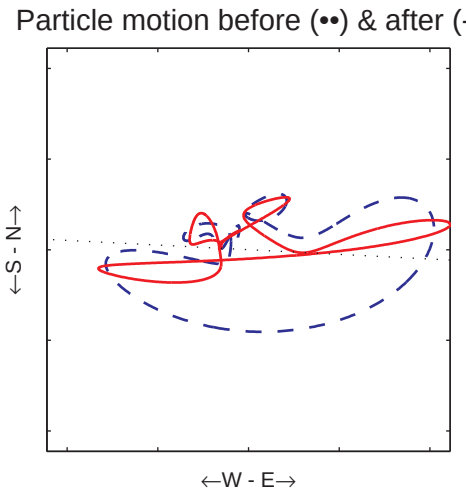
Quality: **fair** IsNull: **No** Phase: **SKKS**

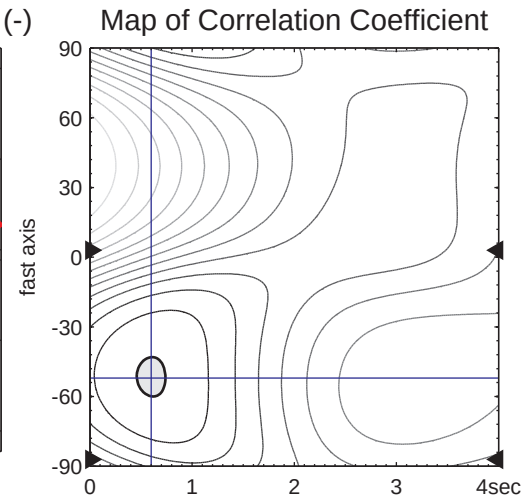


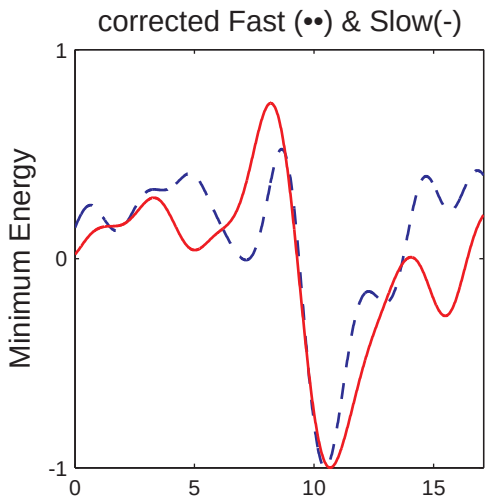
Inc = **12.1”**

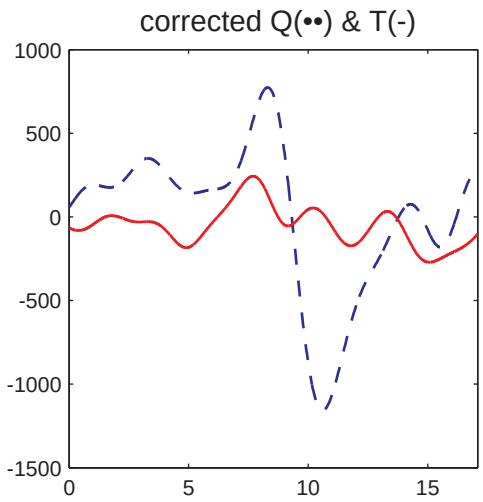


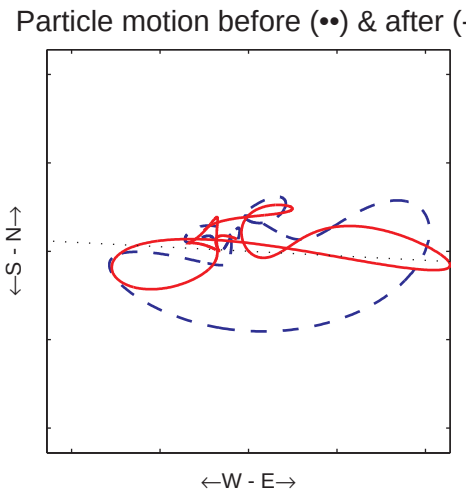


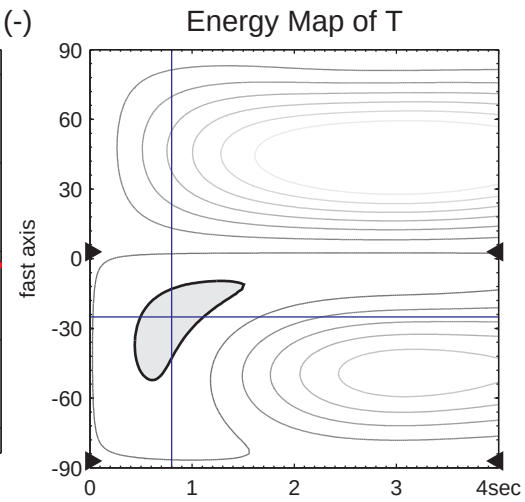


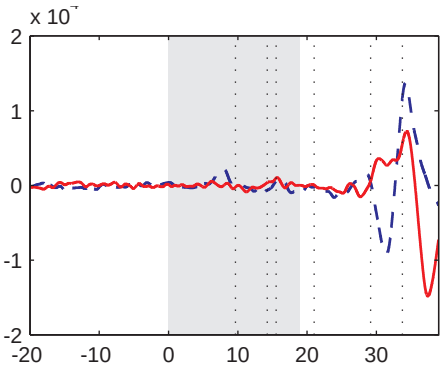








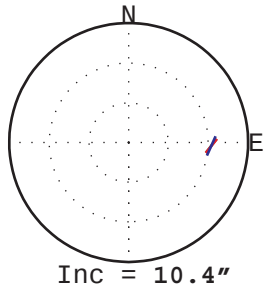


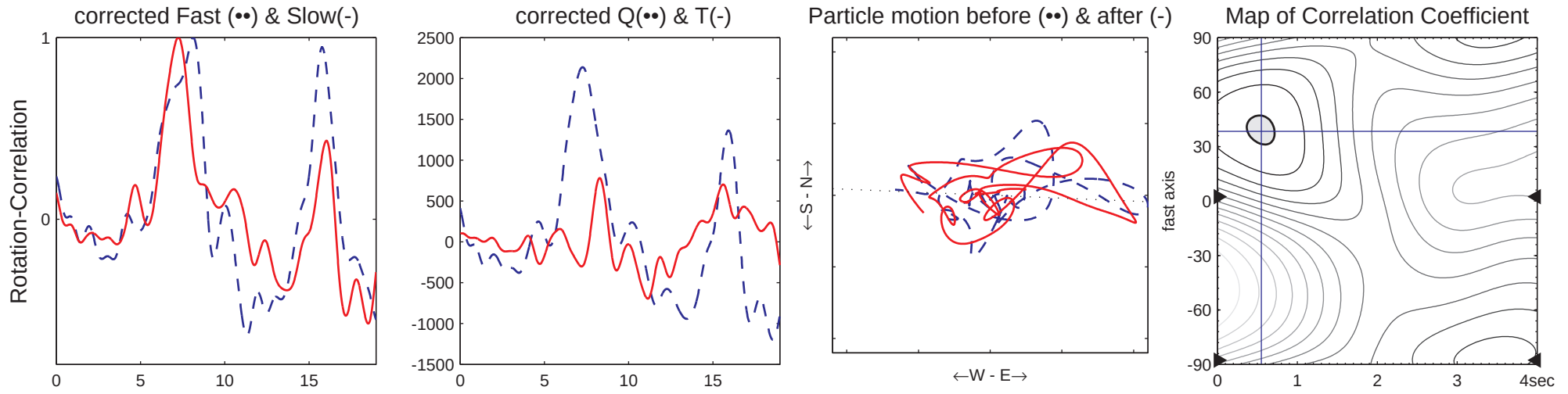


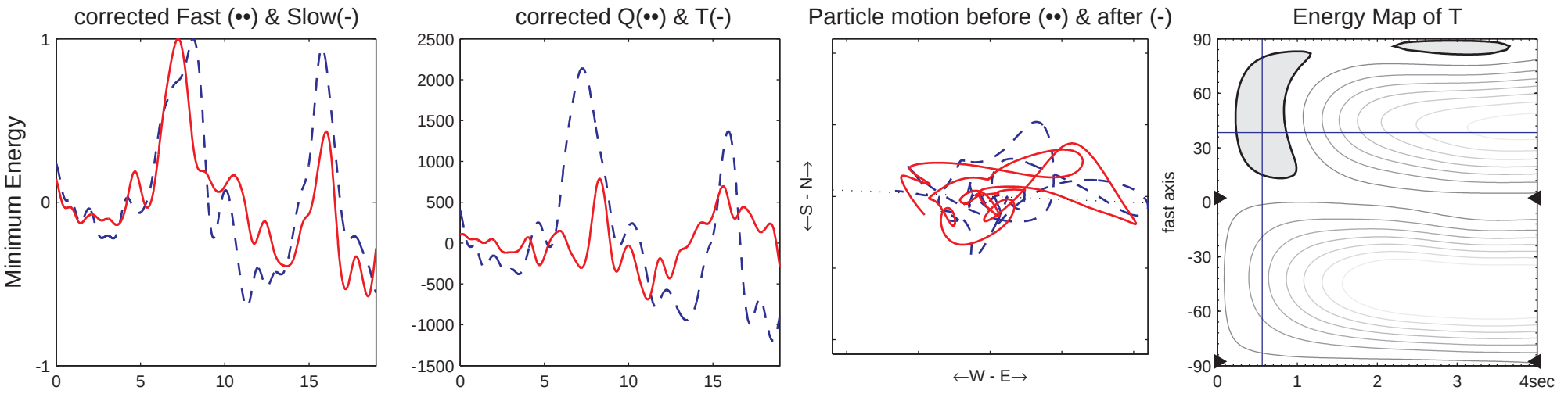
Event: **18-Aug-2012 (231) 09:41 -1.31N 120.10E 10km Mw=6.3**
Station: **GAZI** Backazimuth: **92.4”** Distance: **88.99”**
init.Pol.: **265.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.6**

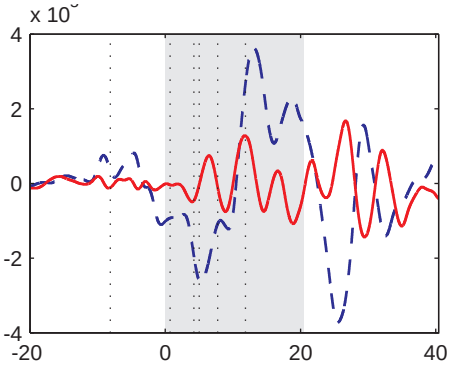
Rotation Correlation:	31<	38° <	47	0.4<0.6s<0.7
Minimum Energy:	13<	38° <	84	0.2<0.6s<1.2
Eigenvalue:	1<	24° <	72	0.3<0.7s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





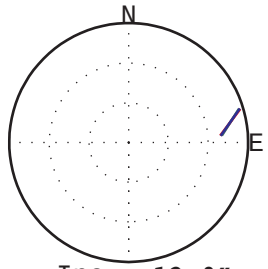


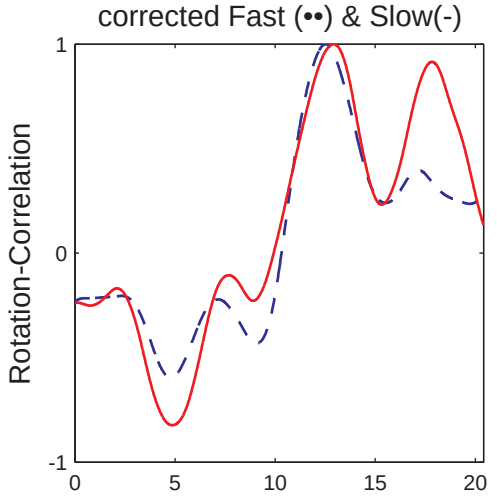


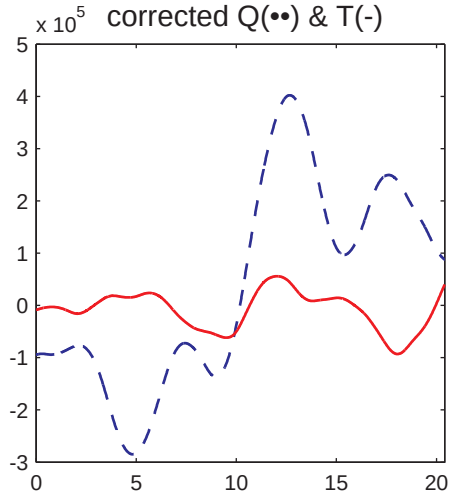
Event: **31-Aug-2012 (244) 12:47 10.81N 126.64E 28km Mw=7.6**
Station: **GAZI** Backazimuth: **78.7”** Distance: **87.07”**
init.Pol.: **258.4”** Filter: **0.000Hz - InfHz** SNR_{SC}: **5.6**

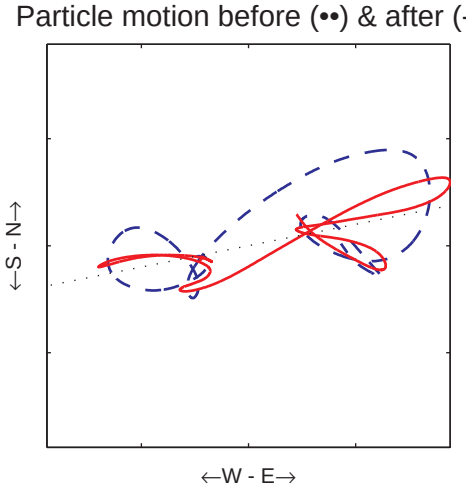
Rotation Correlation:	16<	33° <	54	0.4<1.0s<1.6
Minimum Energy:	7<	37° <	62	0.5<1.0s<1.6
Eigenvalue:	7<	35° <	64	0.5<1.0s<1.6

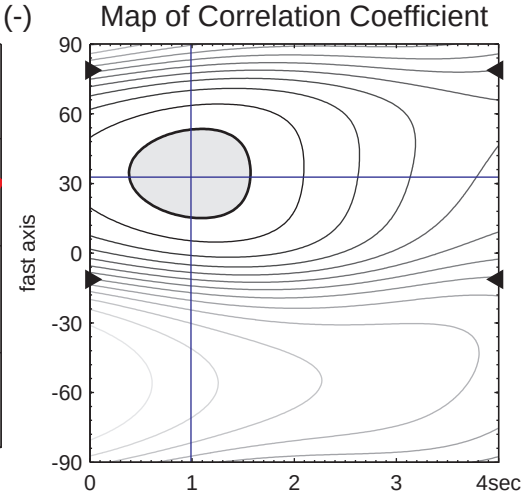
Quality: **fair** IsNull: **No** Phase: **SKKS**

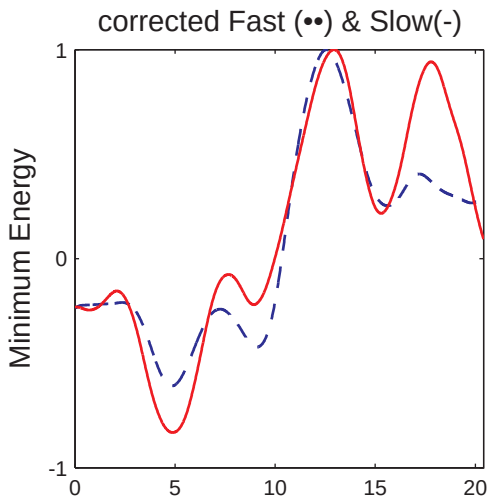


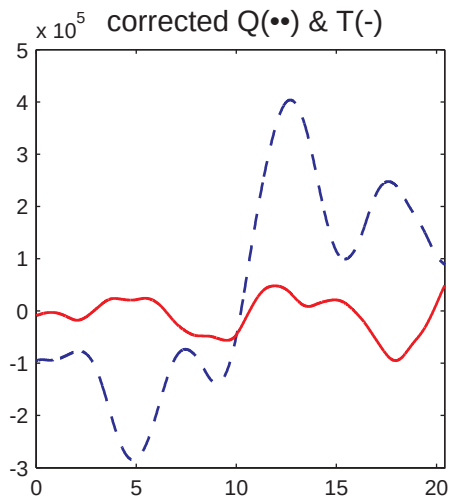


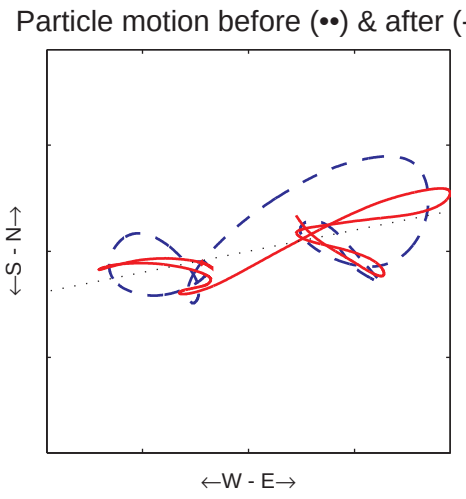


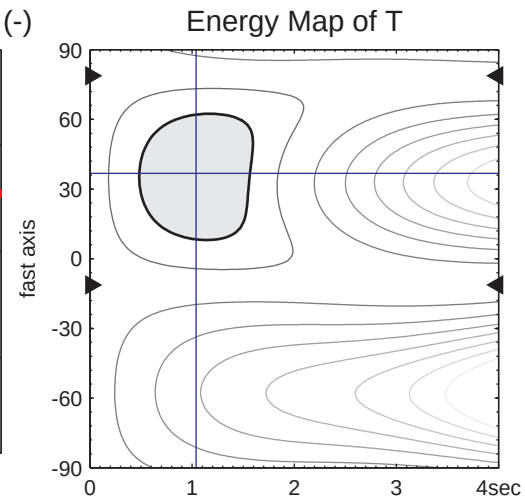


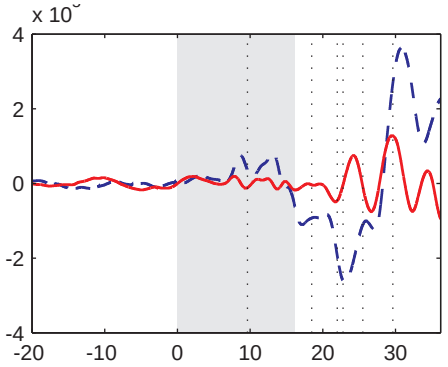








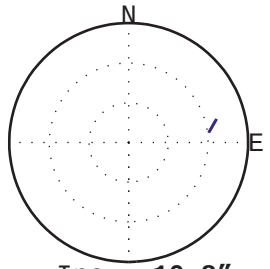




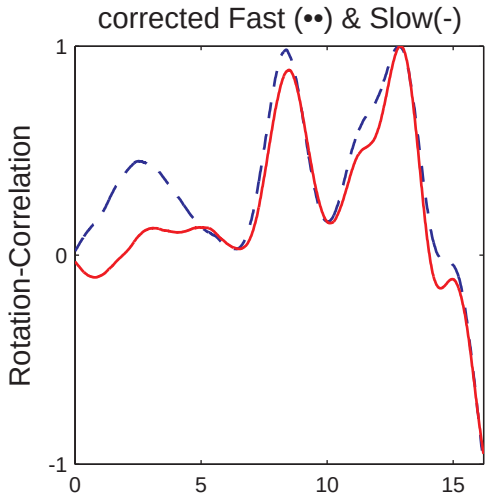
Event: **31-Aug-2012 (244) 12:47 10.81N 126.64E 28km Mw=7.6**
Station: **GAZI** Backazimuth: **78.7”** Distance: **87.07”**
init.Pol.: **260.3”** Filter: **0.000Hz - InfHz** SNR_{SC}: **9.1**

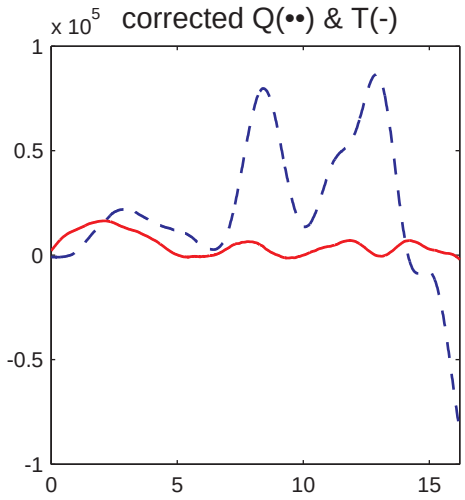
Rotation Correlation:	20<	29° <	40	0.2<0.4s<0.6
Minimum Energy:	7<	29° <	56	0.3<0.5s<0.7
Eigenvalue:	13<	31° <	48	0.4<0.5s<0.6

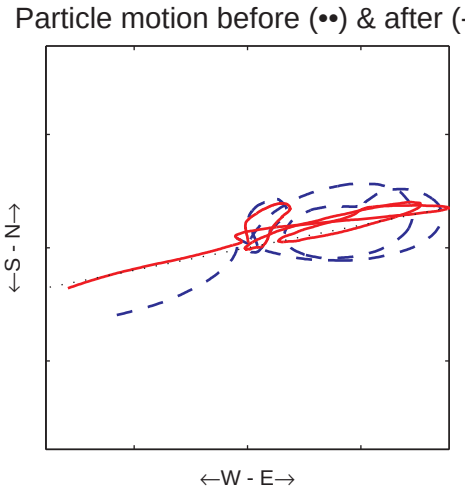
Quality: **good** IsNull: **No** Phase: **SKS**

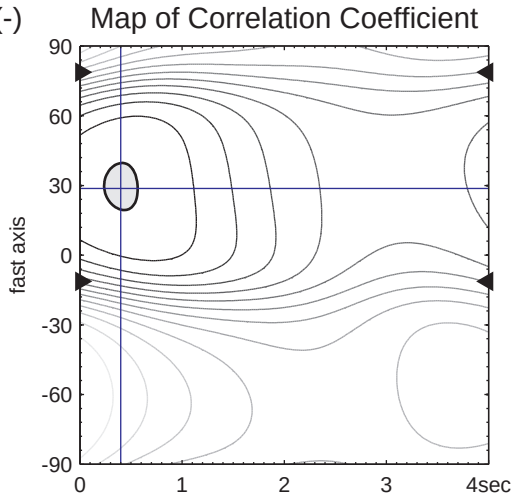


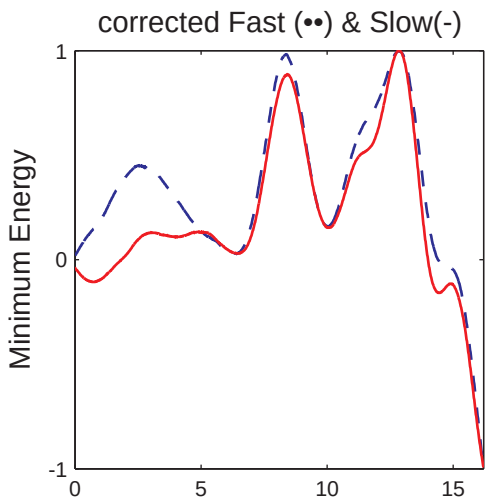
Inc = **10.8”**

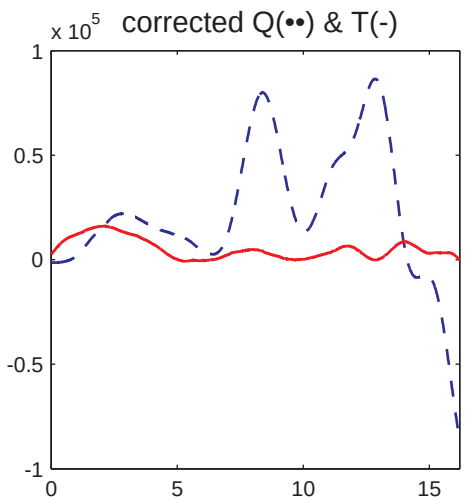


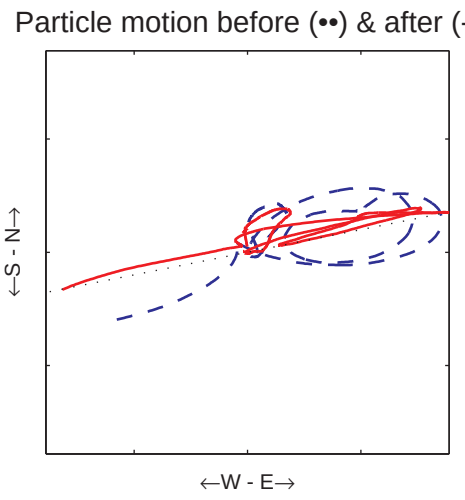


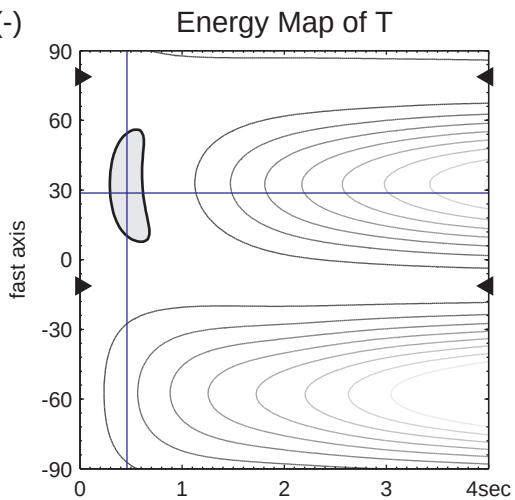


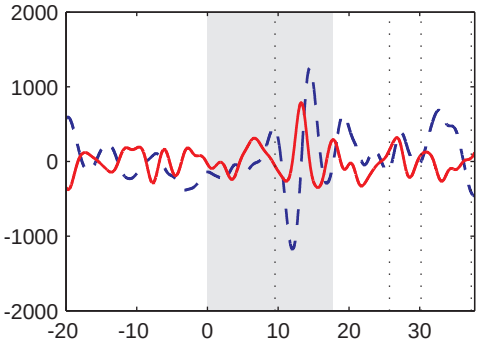








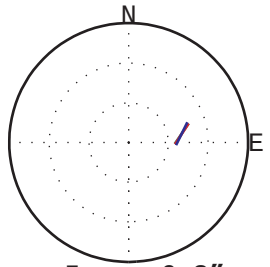




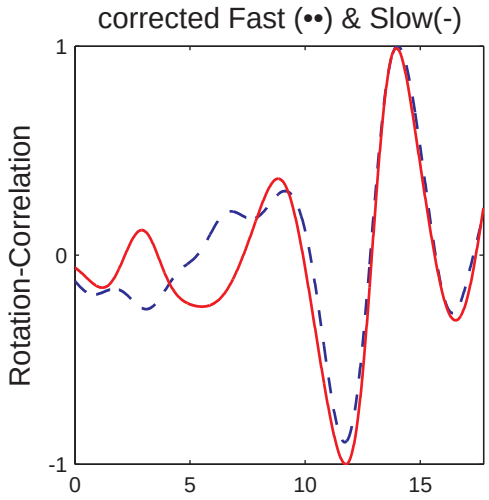
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **GULN** Backazimuth: **80.6”** Distance: **113.45”**
init.Pol.: **258.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

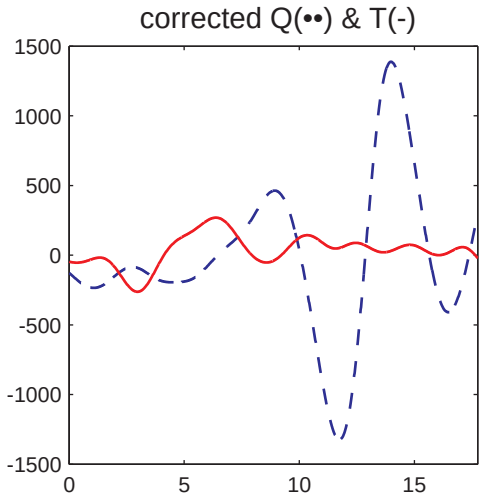
Rotation Correlation:	21<	35° <	51	0.6<0.8s<0.9
Minimum Energy:	19<	33° <	48	0.6<0.8s<1.0
Eigenvalue:	1<	27° <	62	0.6<0.8s<1.2

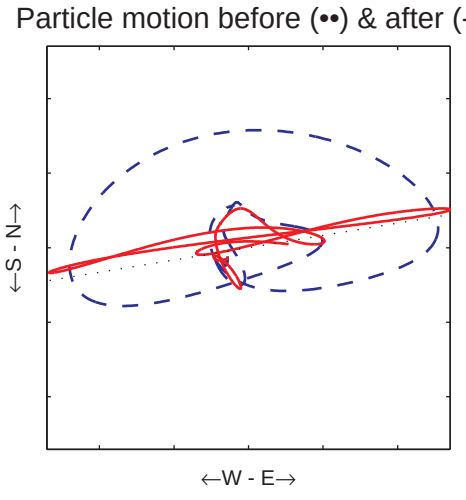
Quality: **good** IsNull: **No** Phase: **SKS**

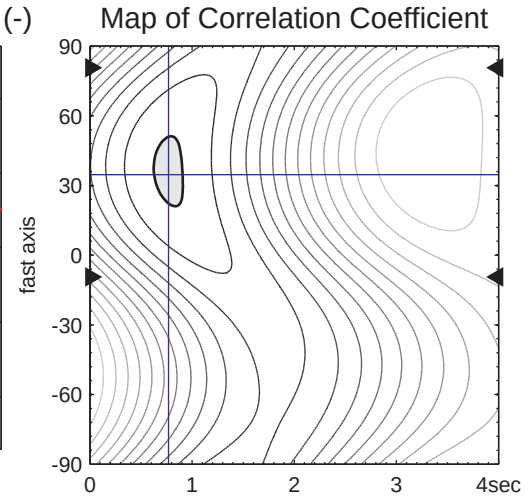


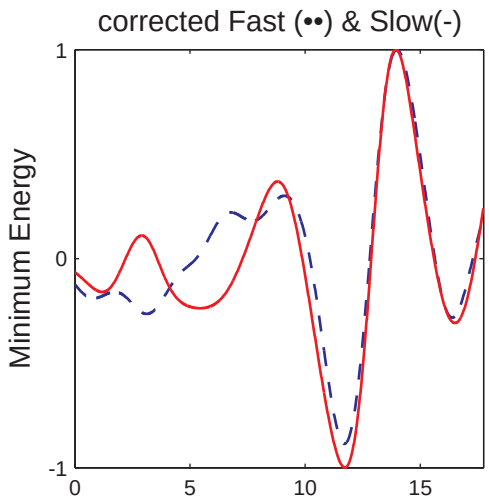
Inc = **6.8”**

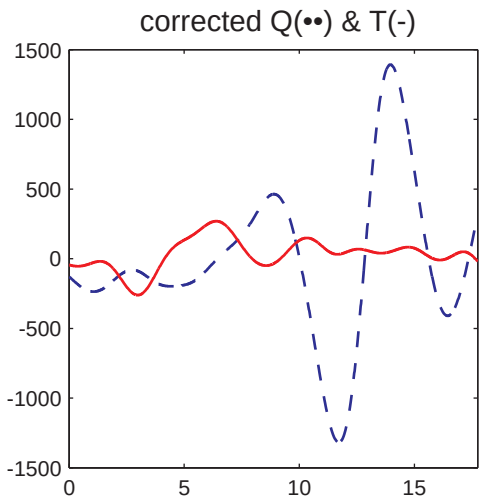


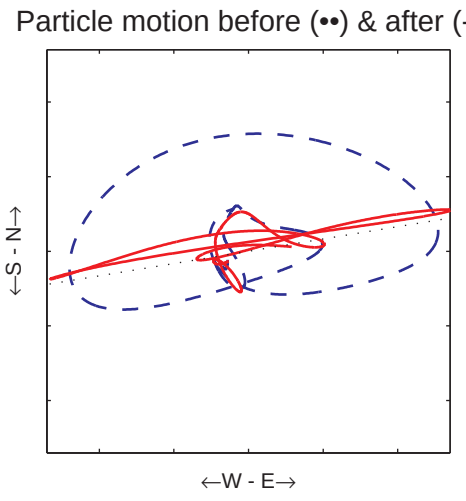


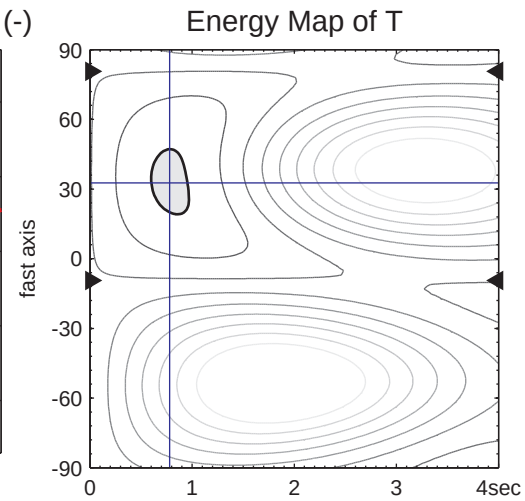


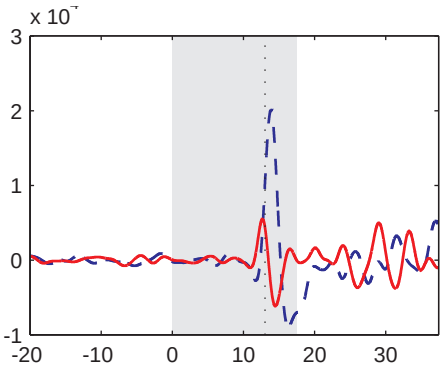








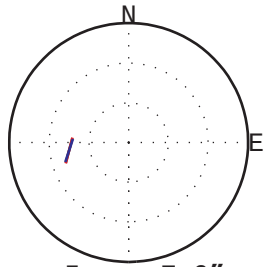


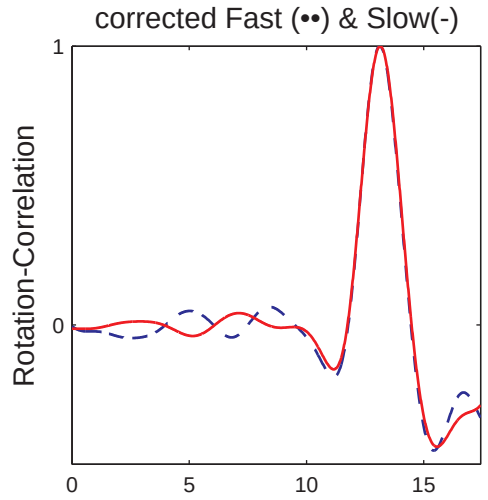


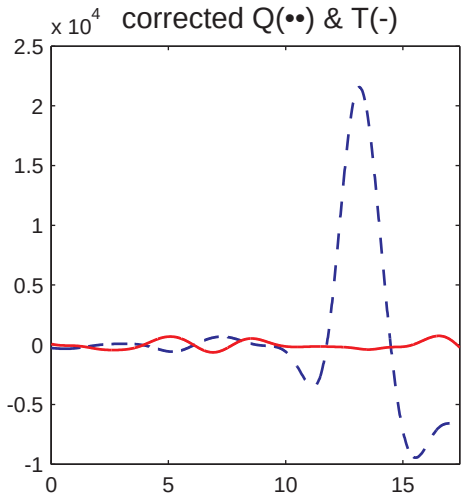
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **GULN** Backazimuth: **262.3”** Distance: **105.86”**
init.Pol.: **84.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**31.1**

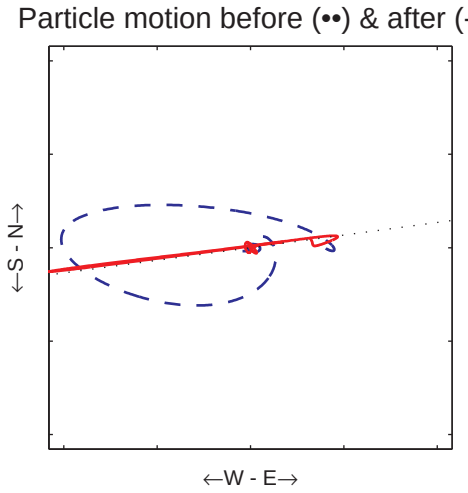
Rotation Correlation:	12<	15° <	24	0.6<0.8s<0.9
Minimum Energy:	13<	14° <	17	0.8<0.8s<0.9
Eigenvalue:	17<	18° <	21	0.7<0.8s<0.8

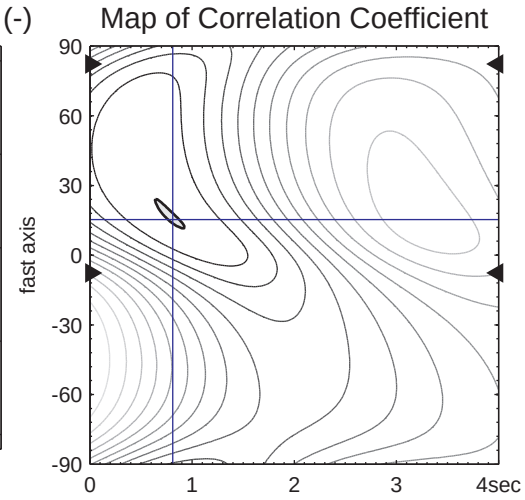
Quality: **good** IsNull: **No** Phase: **SKS**

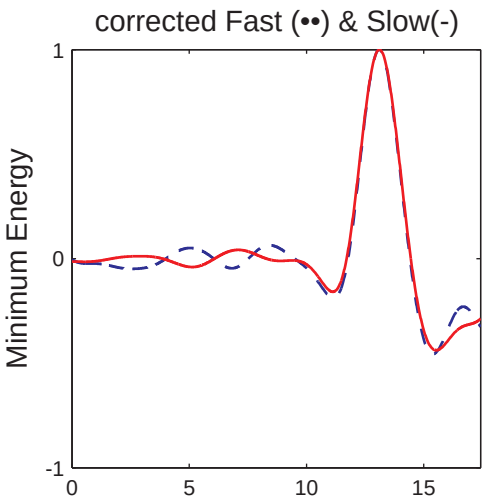


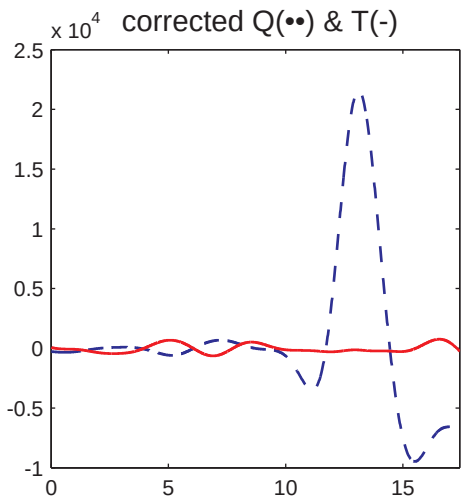


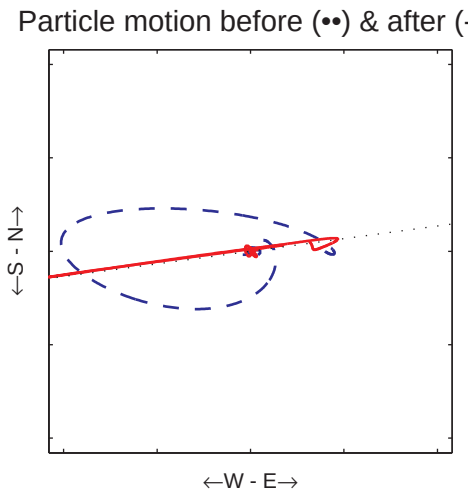


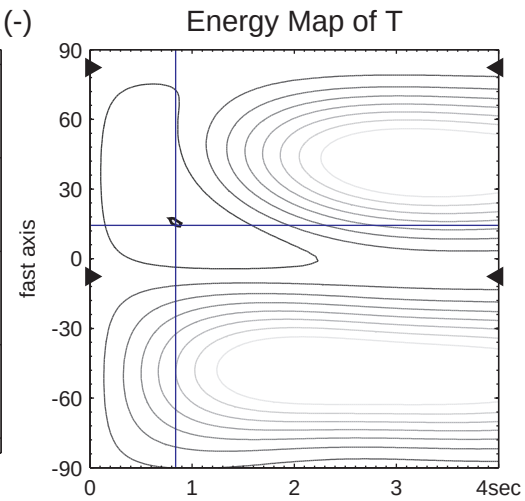


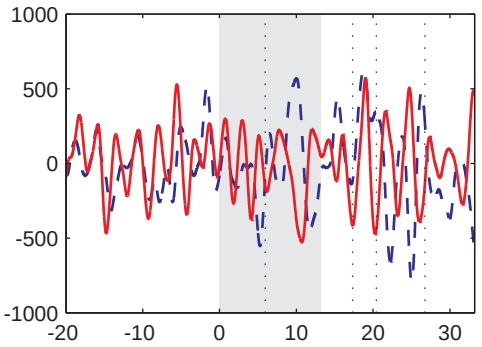








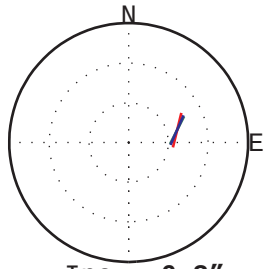




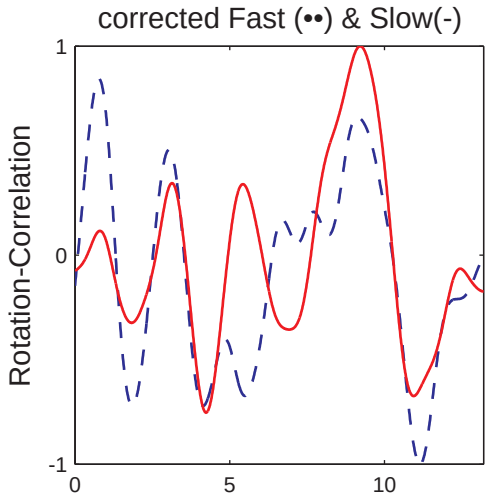
Event: **28-Nov-2011 (332) 12:26 -5.48N 153.73E 25km Mw=6.1**
Station: **GULN** Backazimuth: **75.8”** Distance: **117.41”**
init.Pol.: **267.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.8**

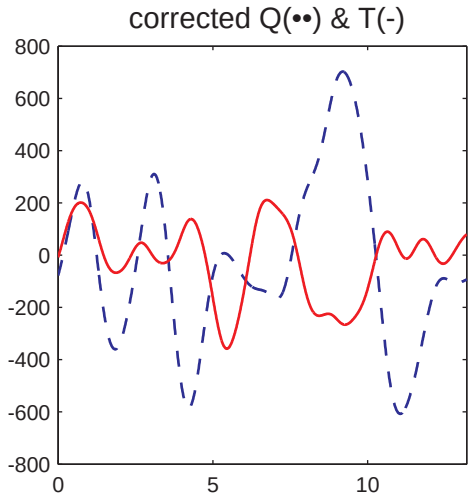
Rotation Correlation:	17<	27° <	41	0.8<1.0s<1.1
Minimum Energy:	7<	14° <	21	0.9<1.1s<1.3
Eigenvalue:	9<	24° <	39	0.7<1.0s<1.3

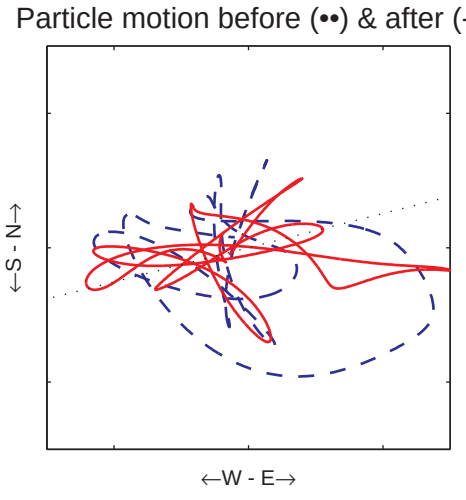
Quality: **fair** IsNull: **No** Phase: **SKS**

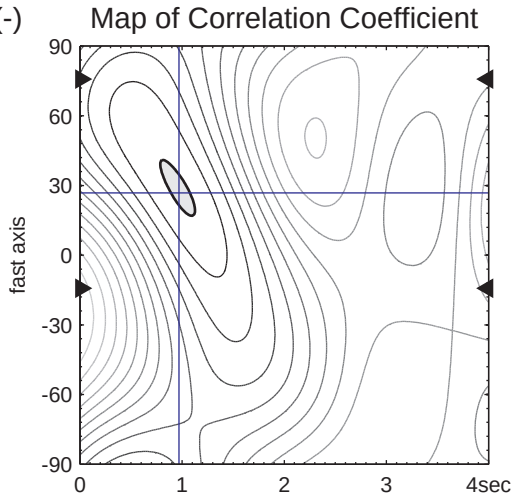


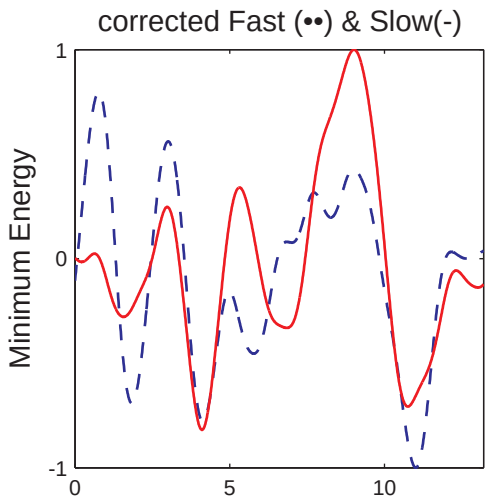
Inc = **6.3”**

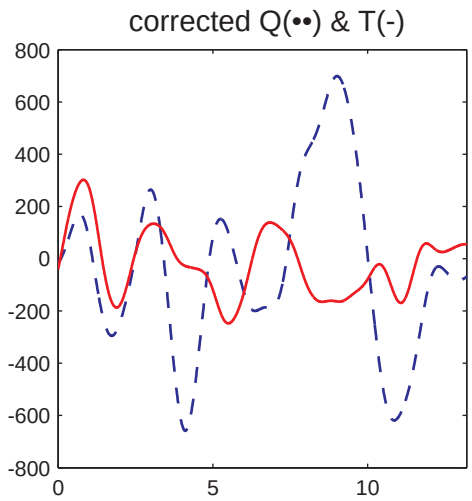


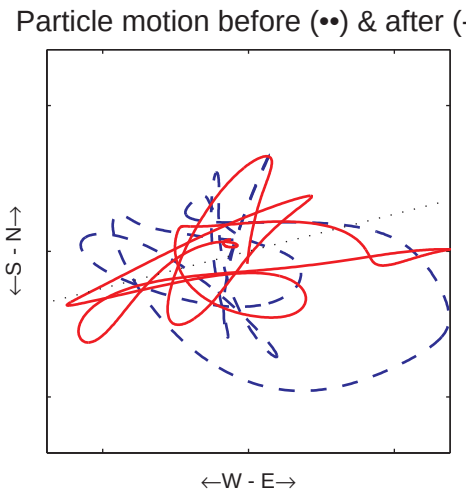


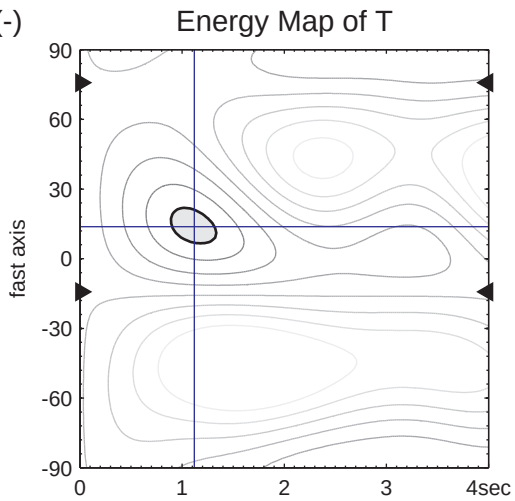


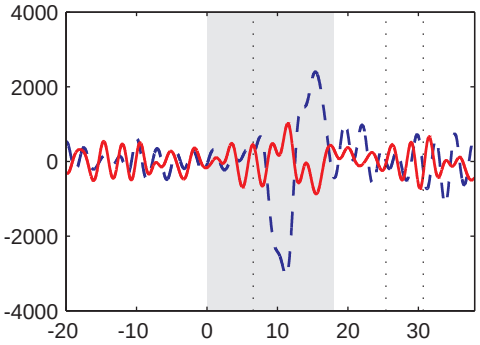








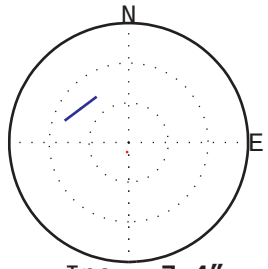


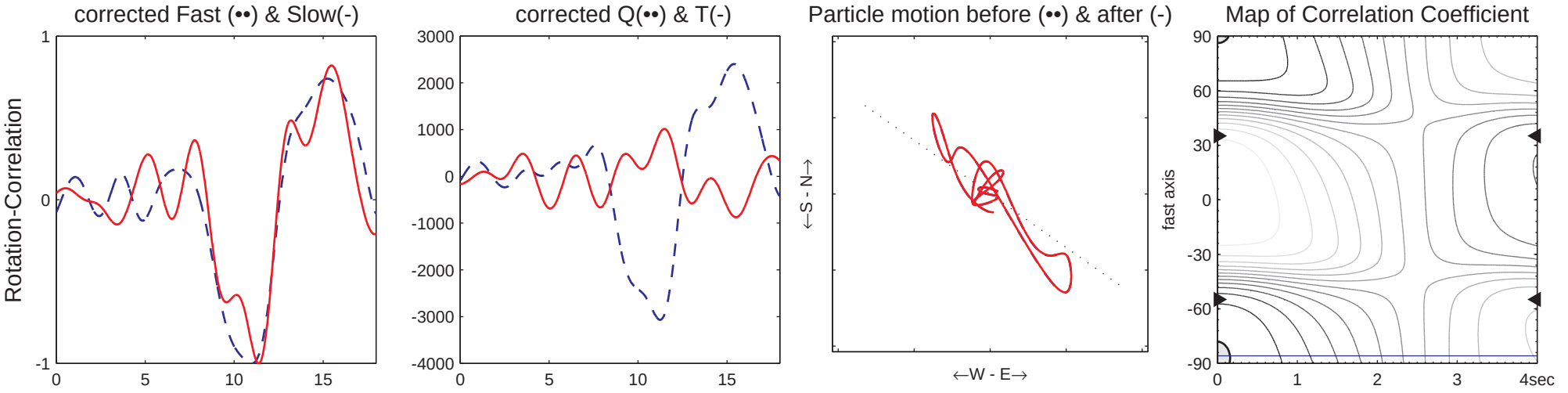


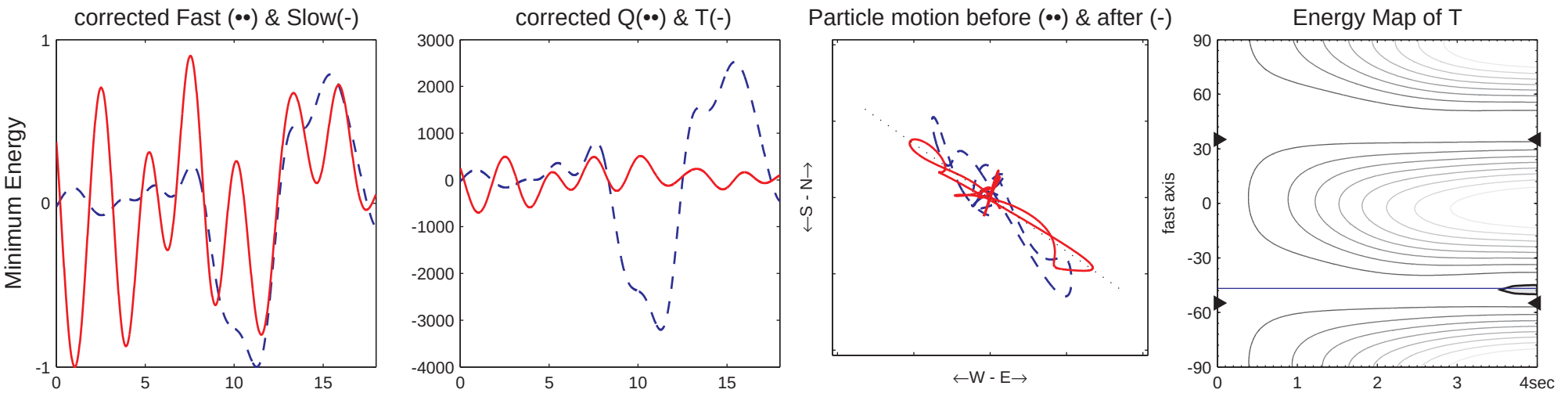
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **GULN** Backazimuth: **305.2”** Distance: **108.24”**
init.Pol.: **136.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

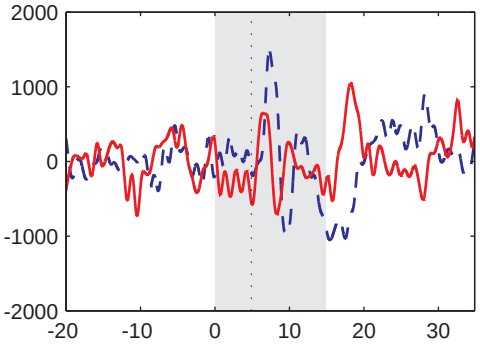
Rotation Correlation:	86<	-86° < -79	0.0<0.0s<0.2
Minimum Energy:	-52<	-47° < -48	3.5<4.0s<4.0
Eigenvalue:	48<	53° < 60	0.5<1.3s<2.1

Quality: **good** IsNull: **Yes** Phase: **SKS**





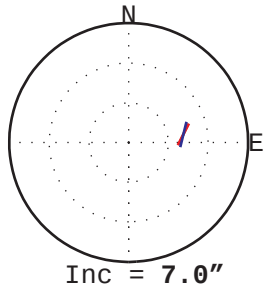


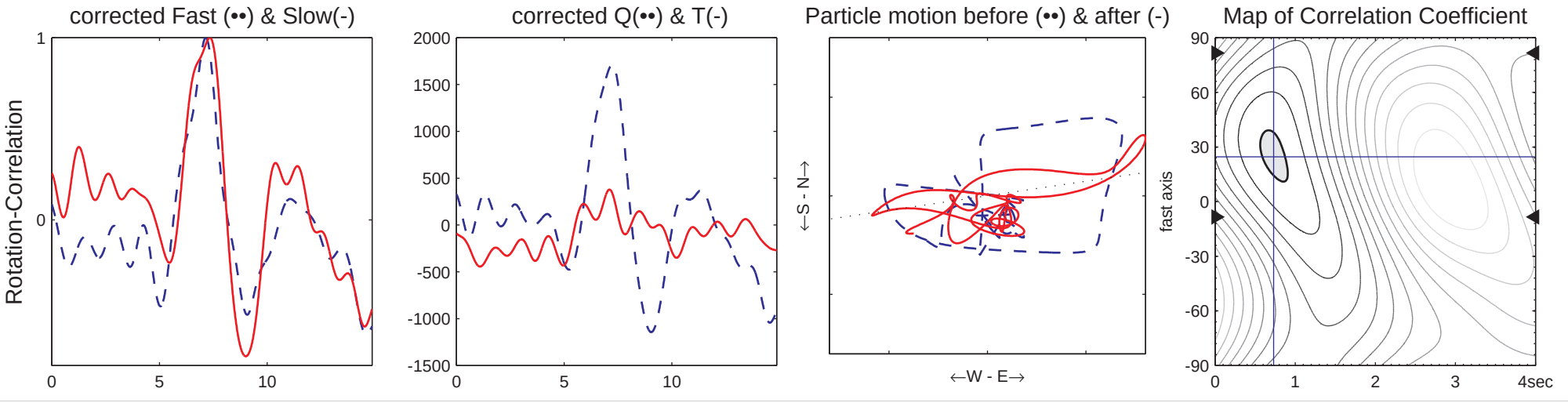


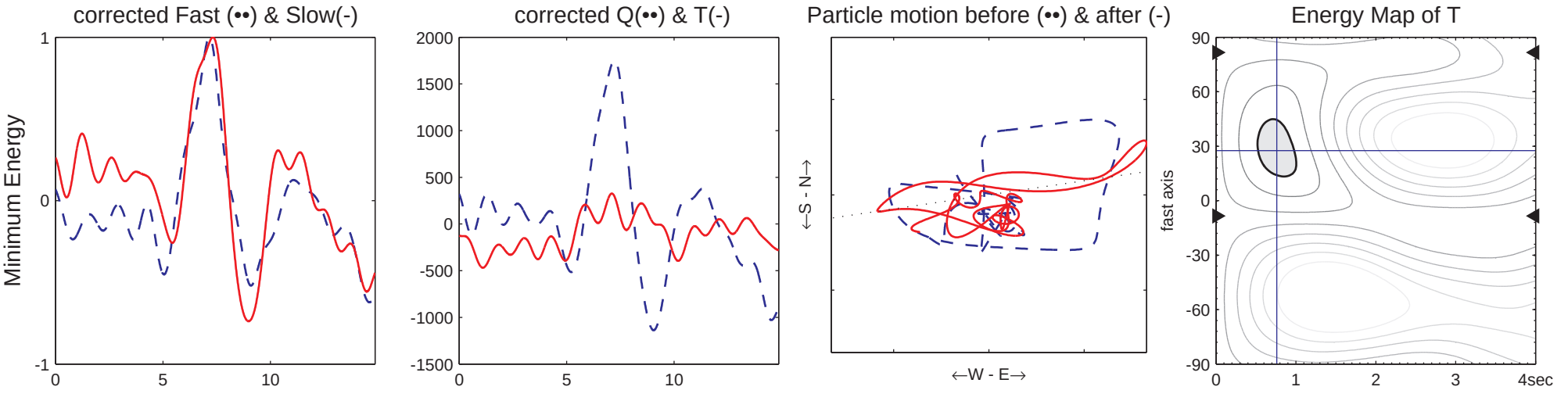
Event: **21-Mar-2012 (081) 22:15 -6.24N 145.96E 118km Mw=6.6**
Station: **GULN** Backazimuth: **81.6”** Distance: **111.72”**
init.Pol.: **251.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

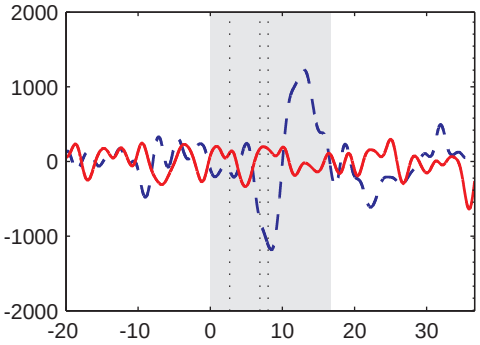
Rotation Correlation:	11<	25° <	39	0.6<0.7s<0.9
Minimum Energy:	13<	28° <	46	0.5<0.8s<1.0
Eigenvalue:	-1<	14° <	33	0.6<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





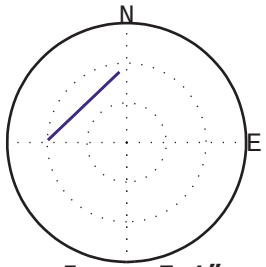




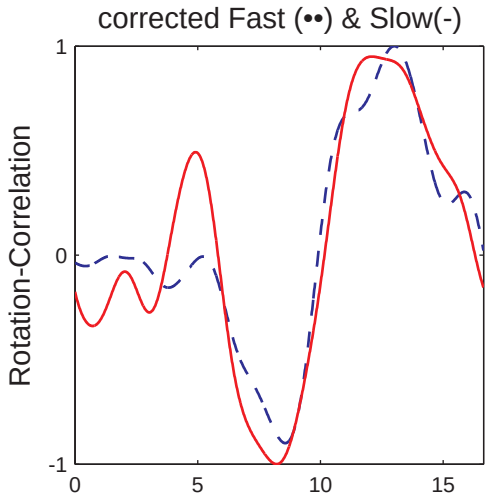
Event: **02-Apr-2012 (093) 17:36 16.40N -98.32E 9km Mw=6.0**
Station: **GULN** Backazimuth: **310.3”** Distance: **110.49”**
init.Pol.: **130.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

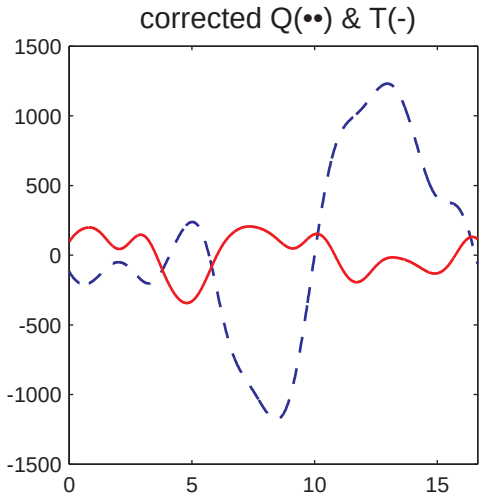
Rotation Correlation:	79<	-88° < -75	0.0<0.1s<0.4
Minimum Energy:	46<	46° < 52	2.1<3.1s<4.0
Eigenvalue:	43<	46° < 54	1.7<3.1s<4.0

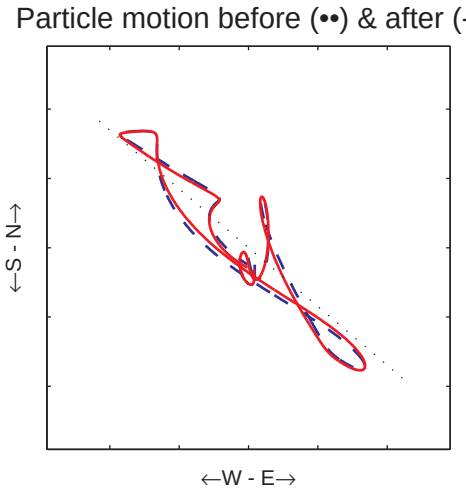
Quality: **good** IsNull: **Yes** Phase: **SKS**

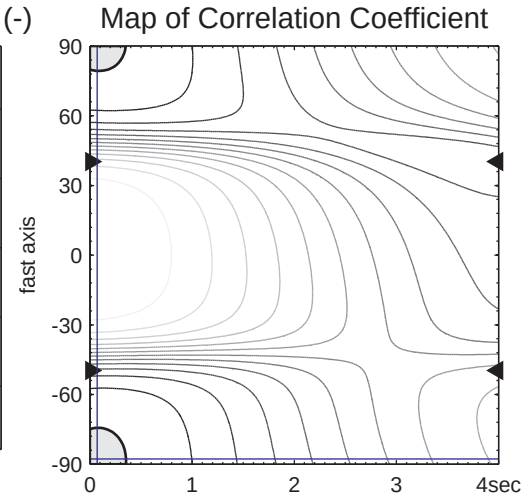


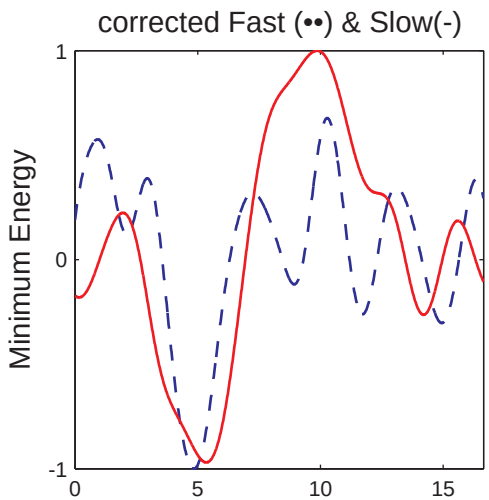
Inc = **7.1”**

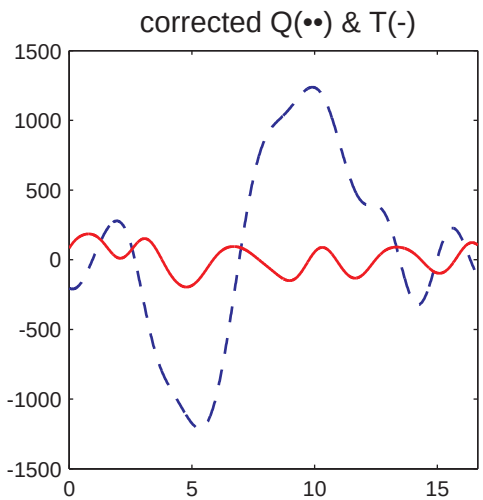


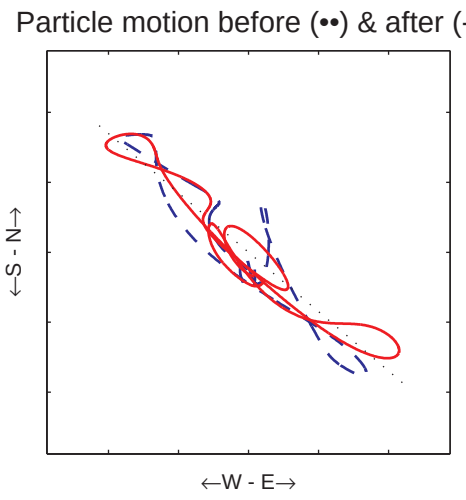


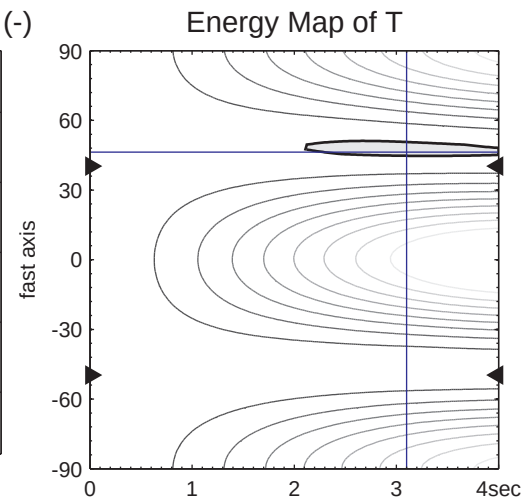


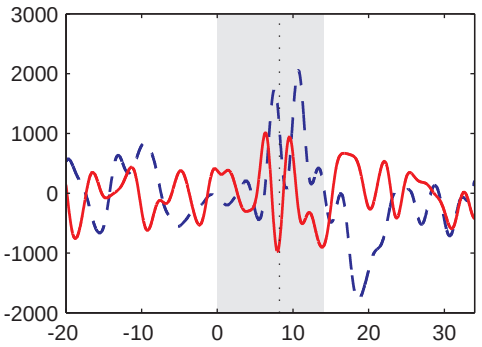








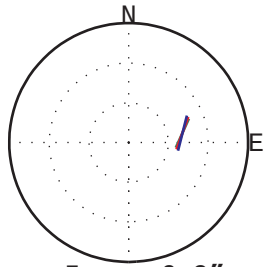


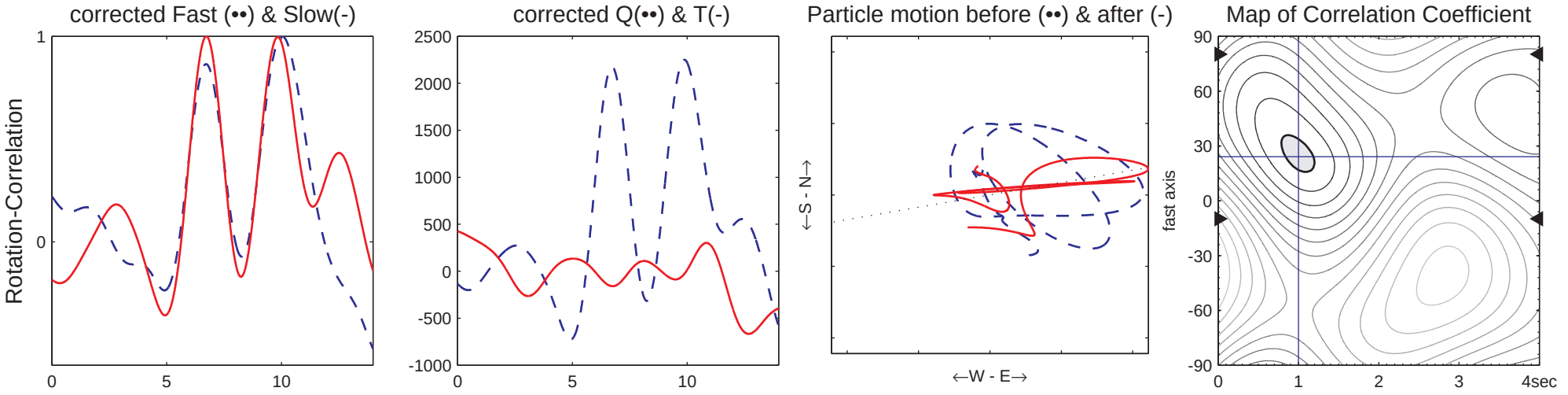


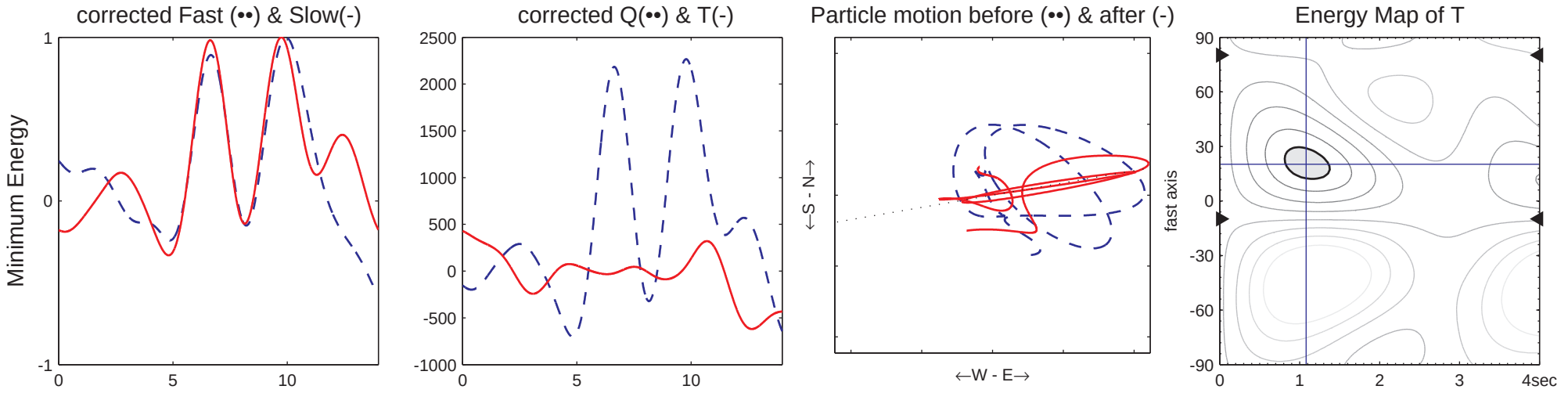
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **GULN** Backazimuth: **80.2”** Distance: **112.18”**
init.Pol.: **252.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

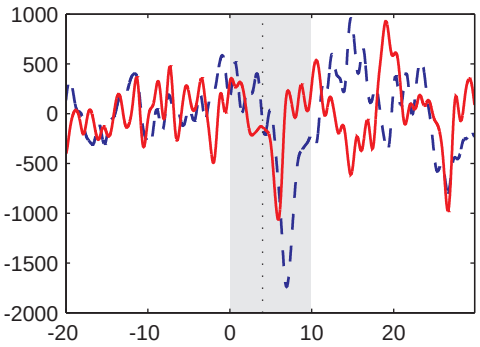
Rotation Correlation:	16<	24° <	36	0.8<1.0s<1.2
Minimum Energy:	13<	20° <	29	0.8<1.1s<1.4
Eigenvalue:	1<	14° <	31	0.8<1.1s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





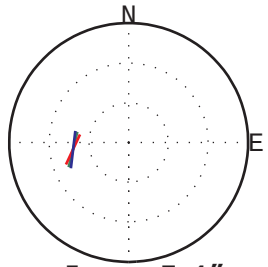


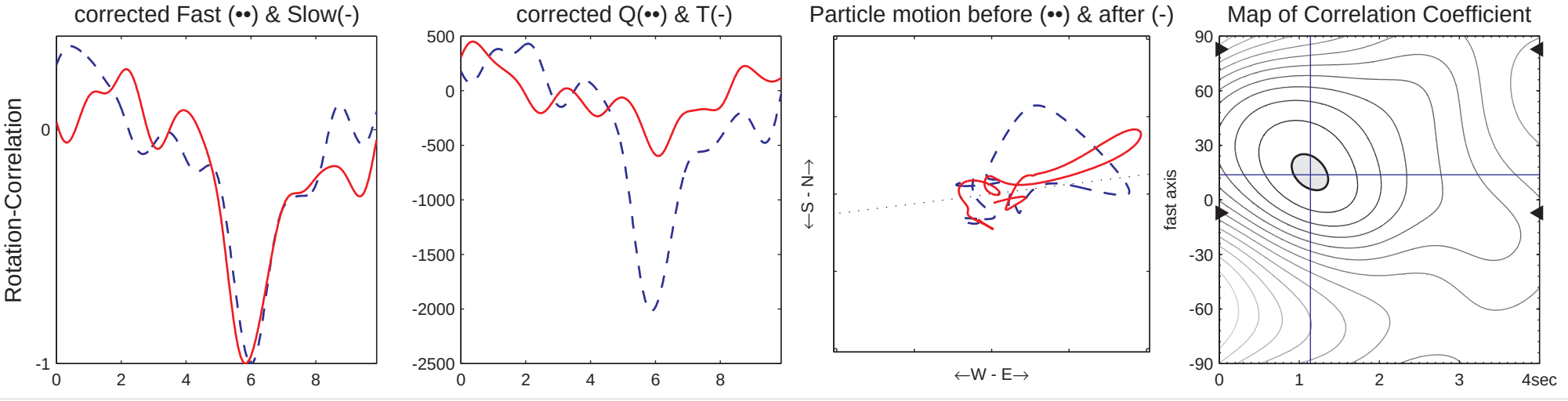


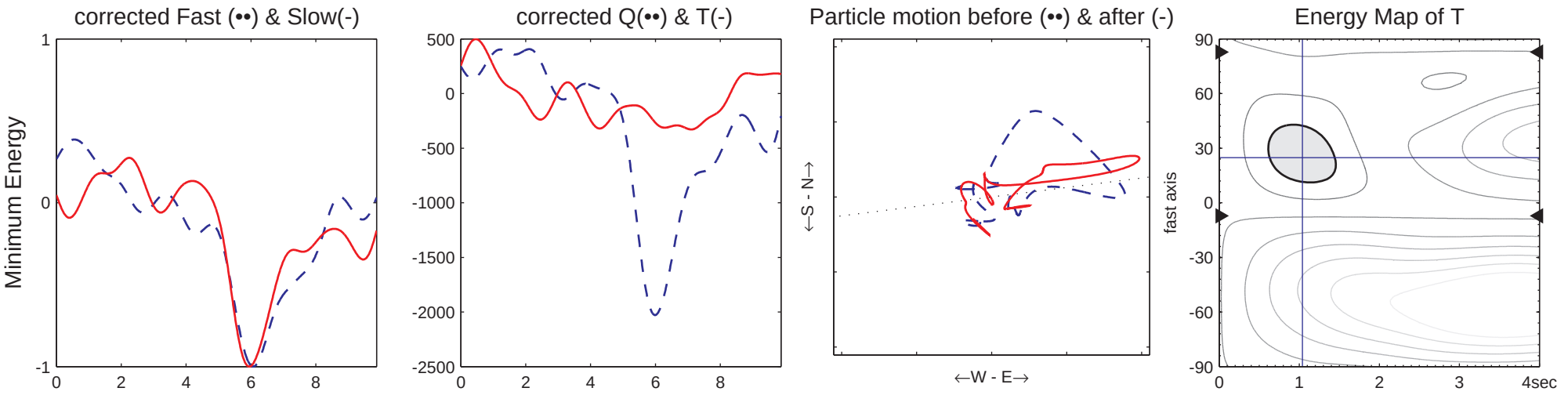
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **GULN** Backazimuth: **262.8”** Distance: **110.73”**
init.Pol.: **62.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.5**

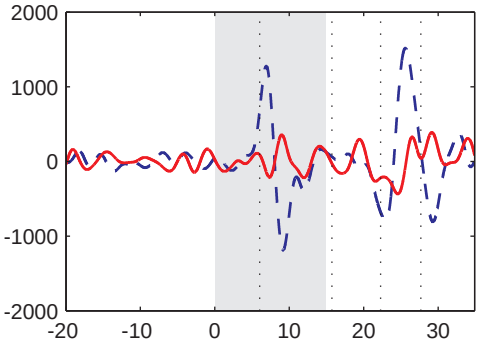
Rotation Correlation:	6<	14° <	25	0.9<1.1s<1.4
Minimum Energy:	11<	25° <	43	0.6<1.0s<1.5
Eigenvalue:	-5<	7° <	19	0.9<1.2s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





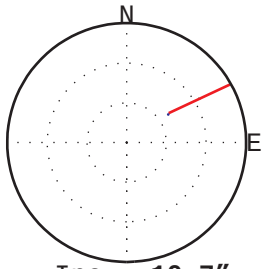




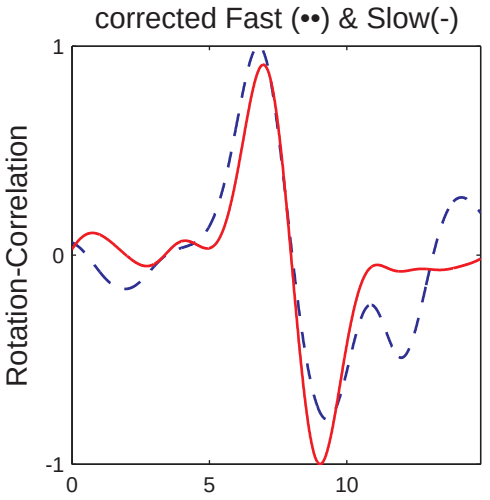
Event: **26-May-2012 (147) 21:48 26.91N 140.06E 487km Mw=6.0**
Station: **GULN** Backazimuth: **58.9”** Distance: **86.41”**
init.Pol.: **235.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

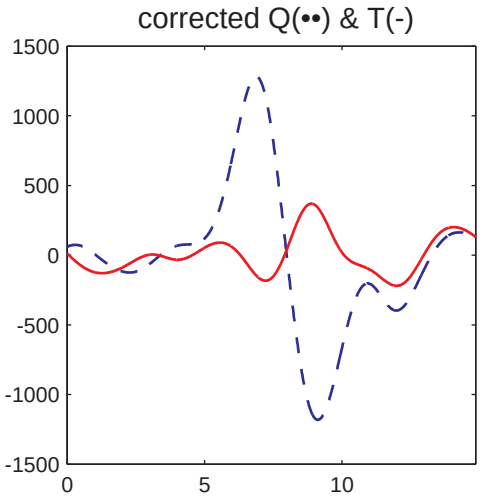
Rotation Correlation:	8<	20° <	35	0.0<0.1s<0.3
Minimum Energy:	62<	65° <	70	1.2<2.1s<3.0
Eigenvalue:	58<	63° <	72	1.1<2.2s<3.0

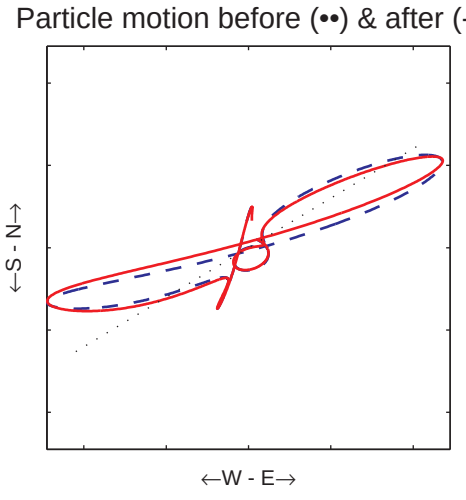
Quality: **good** IsNull: **Yes** Phase: **SKS**

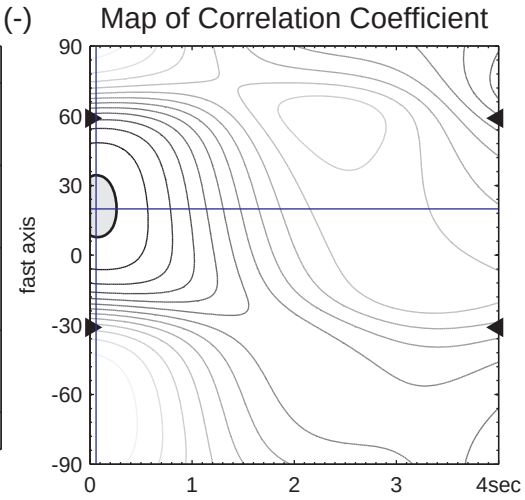


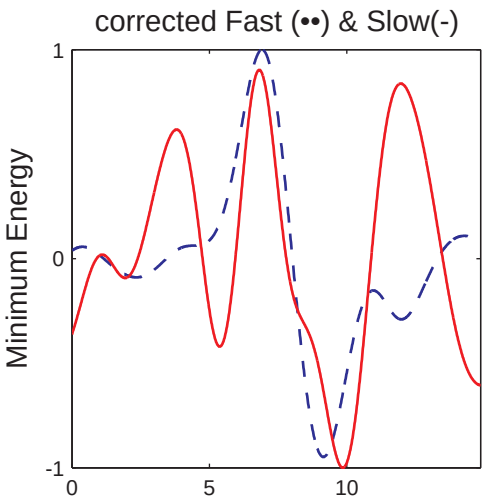
Inc = **10.7”**

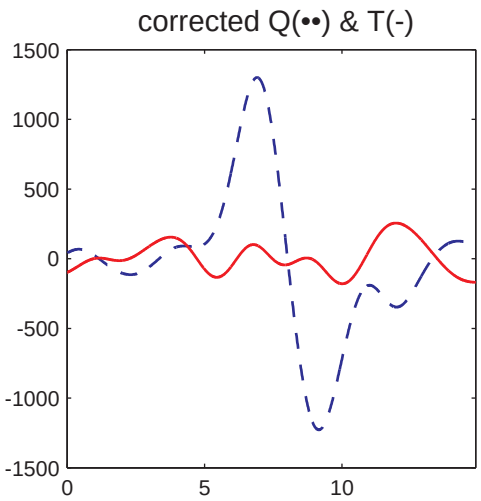


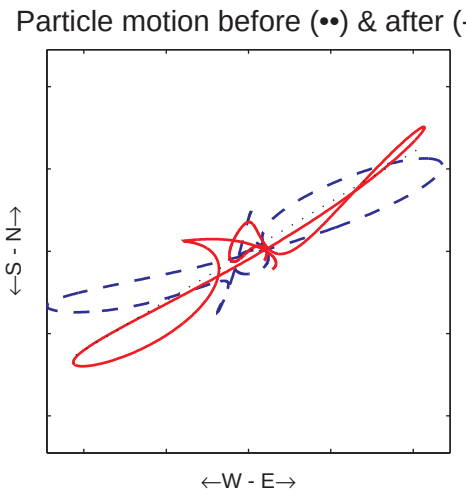


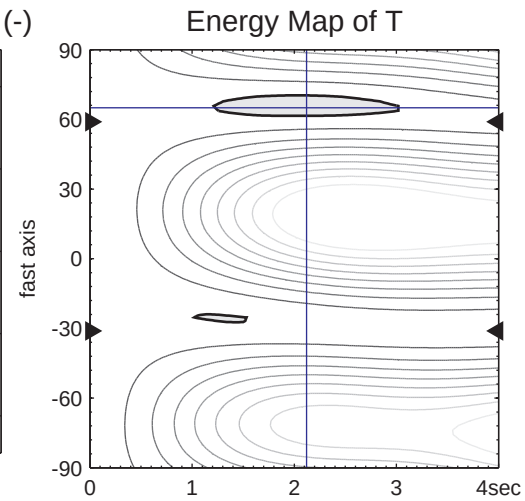


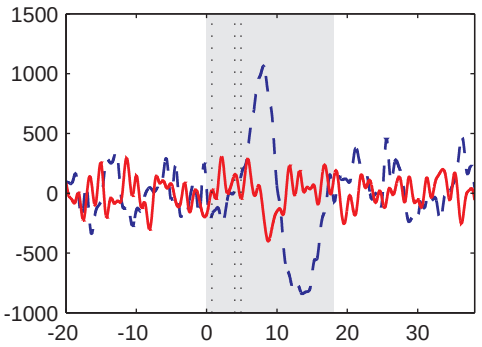








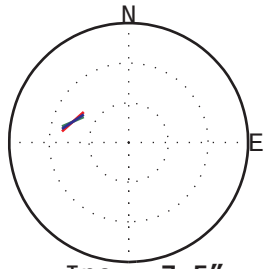


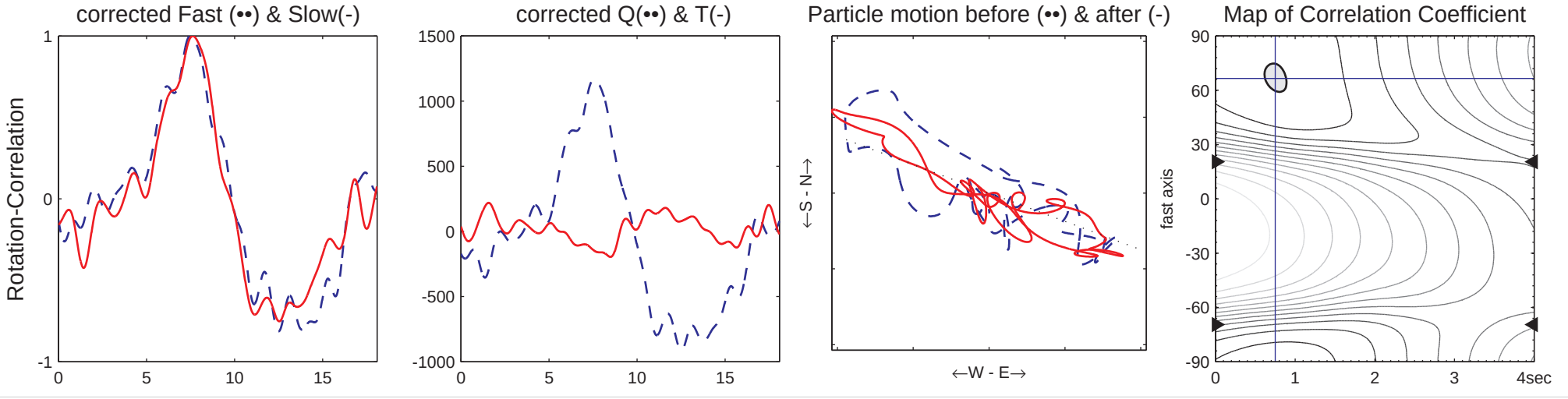


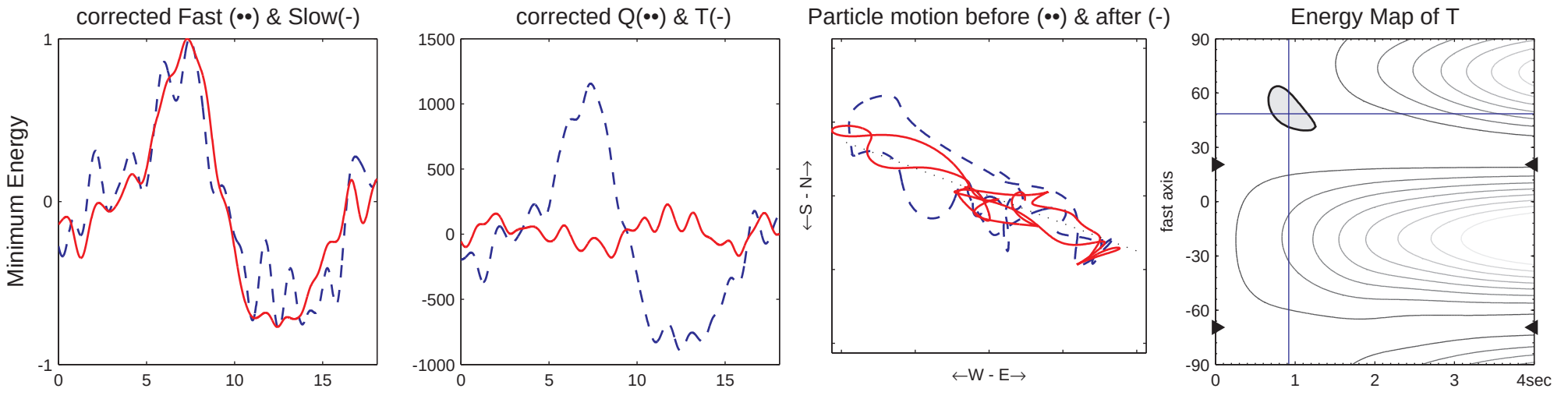
Event: **04-Jun-2012 (156) 00:45 5.30N -82.63E 7km Mw=6.3**
Station: **GULN** Backazimuth: **290.5”** Distance: **107.45”**
init.Pol.: **115.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.4**

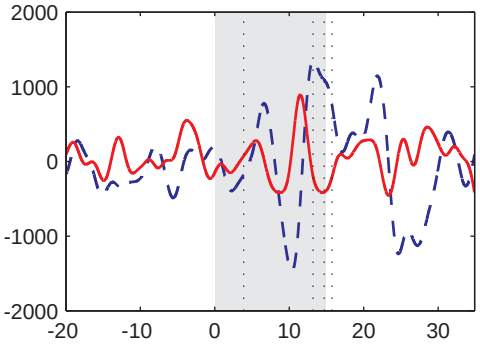
Rotation Correlation:	59<	66° <	75	0.6<0.8s<0.9
Minimum Energy:	39<	48° <	64	0.7<0.9s<1.3
Eigenvalue:	46<	56° <	72	0.6<0.8s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





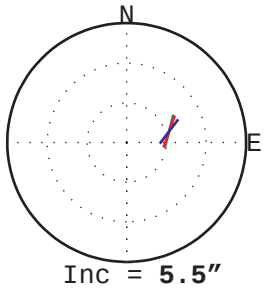


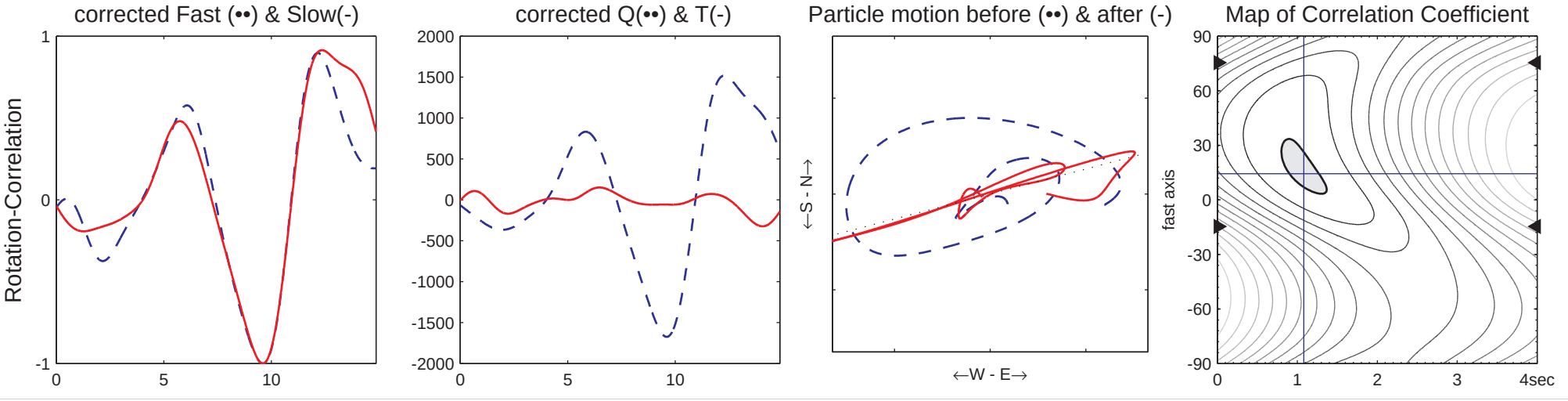


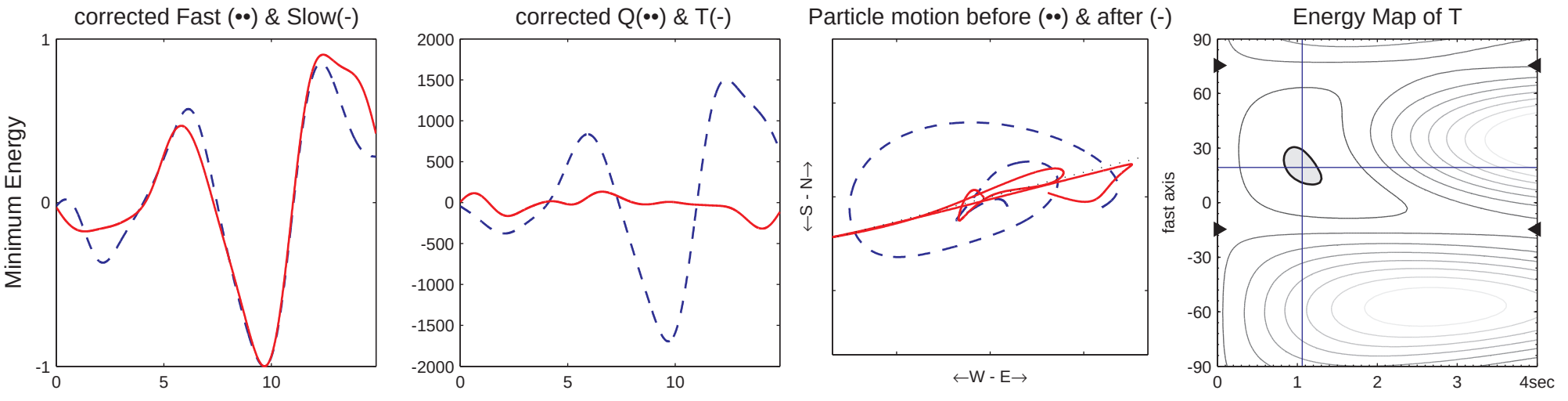
Event: **25-Jul-2012 (207) 11:20 -9.69N 159.73E 20km Mw=6.4**
Station: **GULN** Backazimuth: **75.4”** Distance: **124.69”**
init.Pol.: **263.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

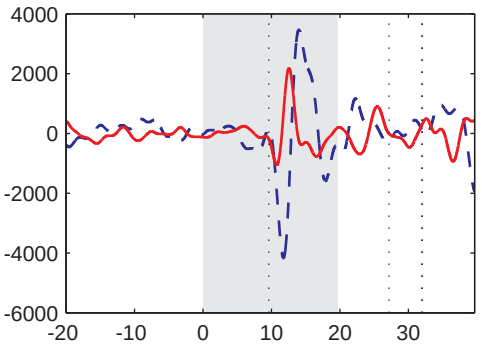
Rotation Correlation:	4<	14° <	34	0.8<1.1s<1.4
Minimum Energy:	9<	19° <	31	0.8<1.1s<1.3
Eigenvalue:	21<	37° <	54	0.8<1.0s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





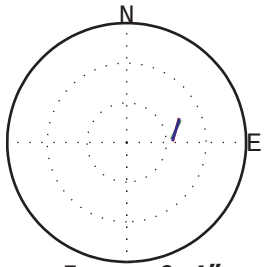




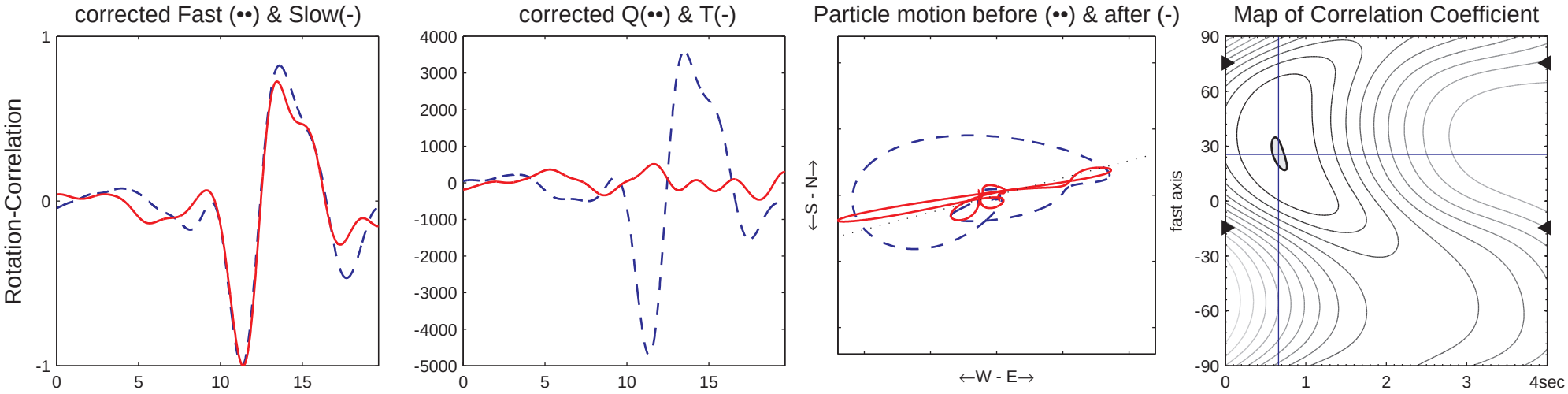
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **GULN** Backazimuth: **75.4”** Distance: **116.46”**
init.Pol.: **256.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.2**

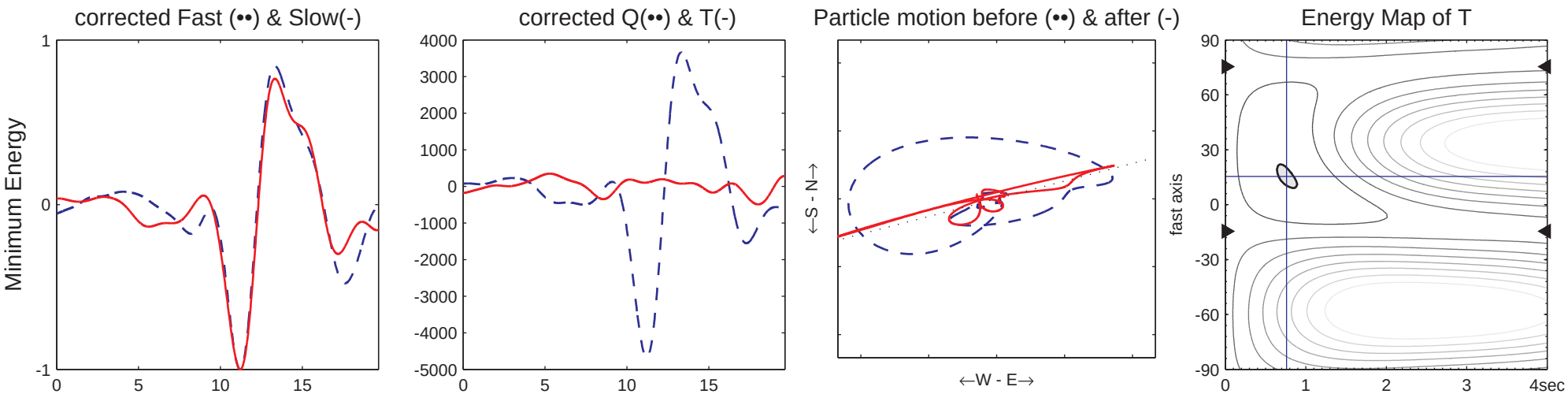
Rotation Correlation:	17<	25° <	35	0.6<0.7s<0.8
Minimum Energy:	9<	15° <	21	0.6<0.8s<0.9
Eigenvalue:	7<	17° <	29	0.6<0.7s<0.9

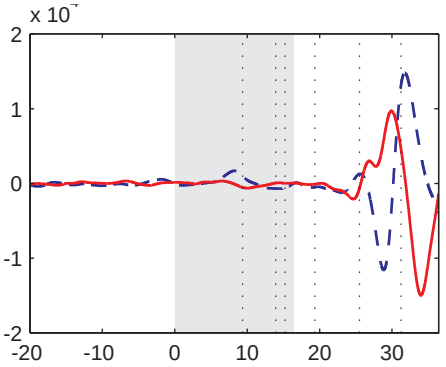
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.4”**



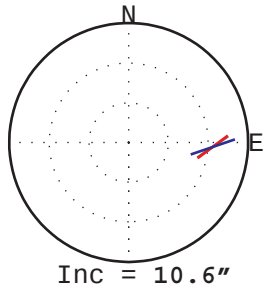


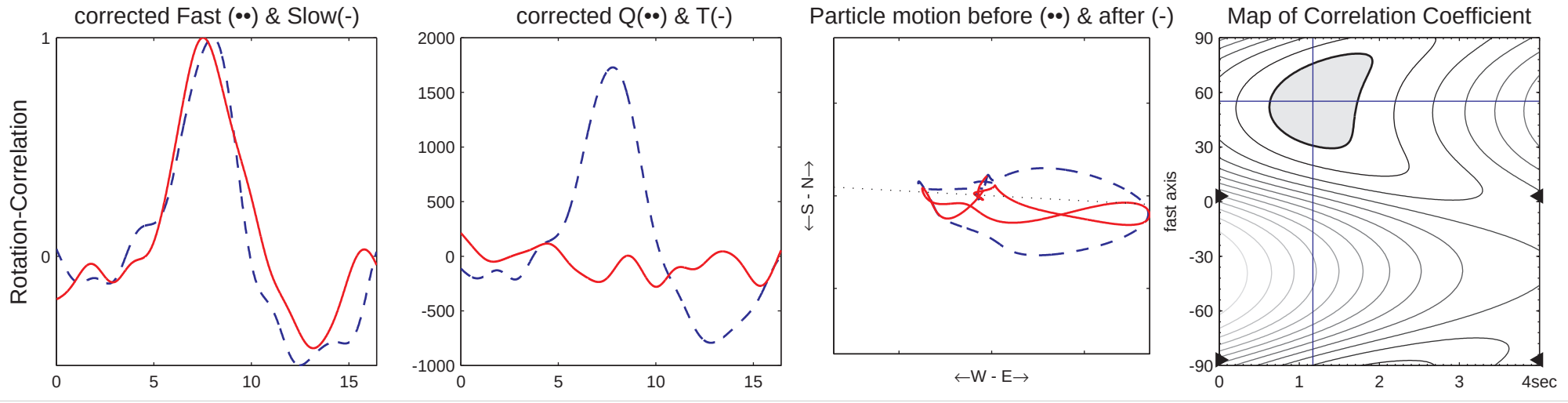


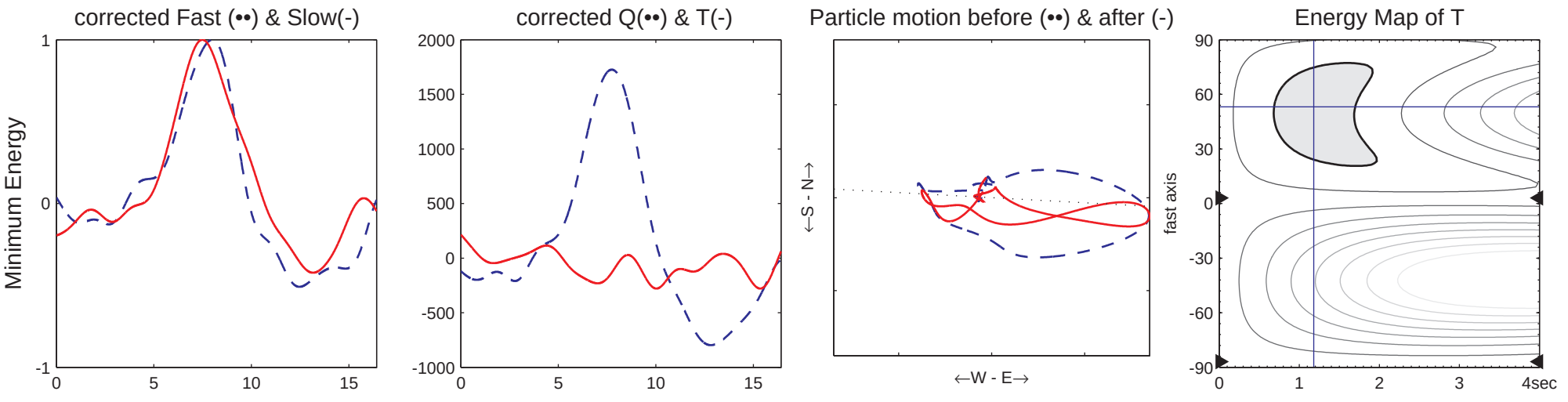
Event: **18-Aug-2012 (231) 09:41 -1.31N 120.10E 10km Mw=6.3**
Station: **GULN** Backazimuth: **93.1”** Distance: **88.00”**
init.Pol.: **279.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

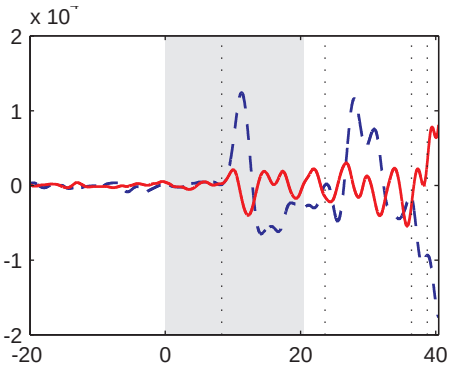
Rotation Correlation:	30<	55° <	81	0.6<1.2s<1.9
Minimum Energy:	21<	53° <	78	0.7<1.2s<2.0
Eigenvalue:	23<	71° <	88	0.9<1.5s<2.3

Quality: **fair** IsNull: **No** Phase: **SKS**





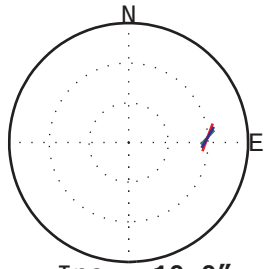


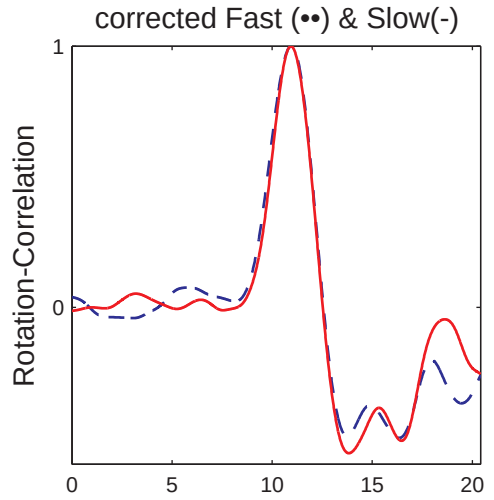


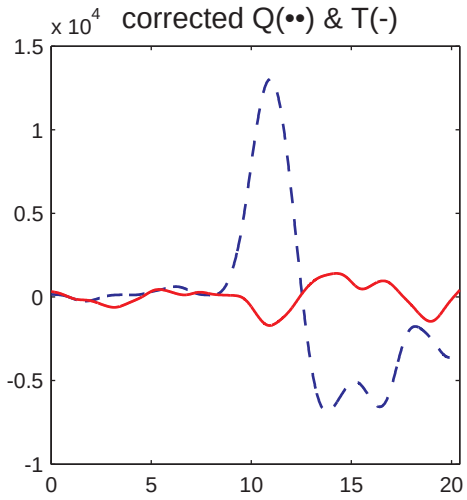
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **GULN** Backazimuth: **86.3”** Distance: **91.36”**
init.Pol.: **271.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.4**

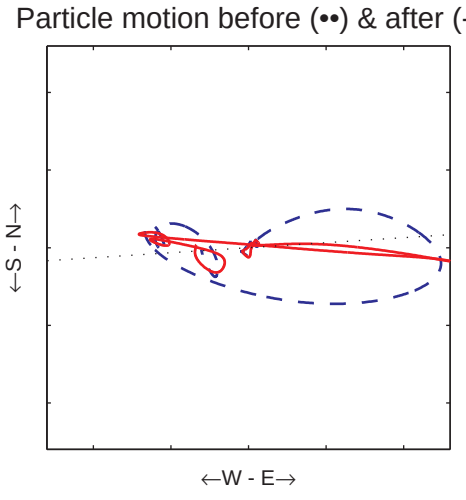
Rotation Correlation:	34<	43° <	55	0.5<0.6s<0.7
Minimum Energy:	15<	20° <	31	0.7<0.9s<1.2
Eigenvalue:	21<	30° <	48	0.6<0.8s<1.0

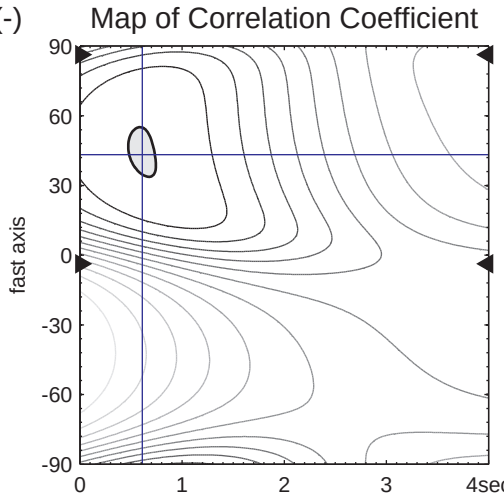
Quality: **fair** IsNull: **No** Phase: **SKS**

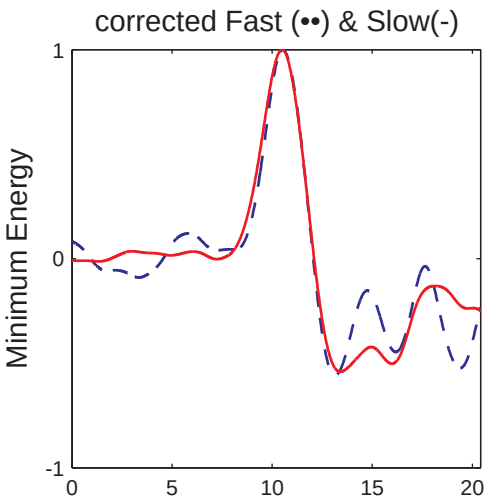


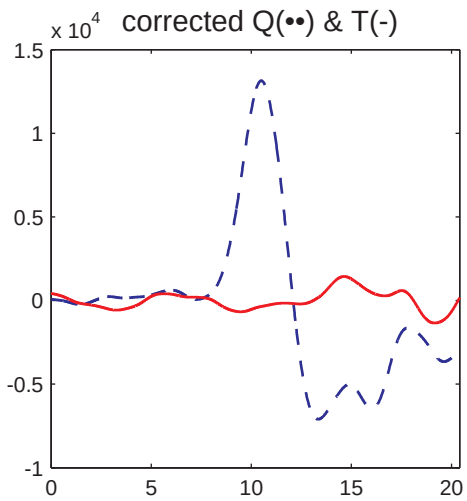


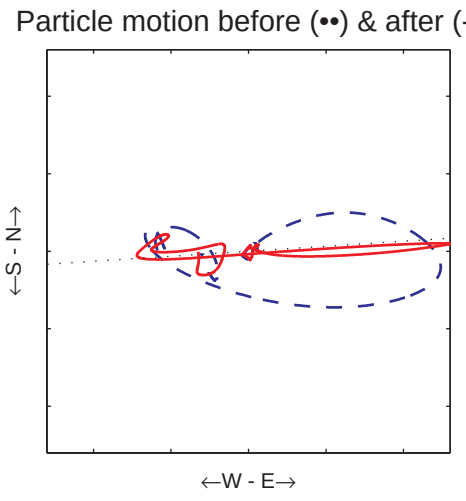


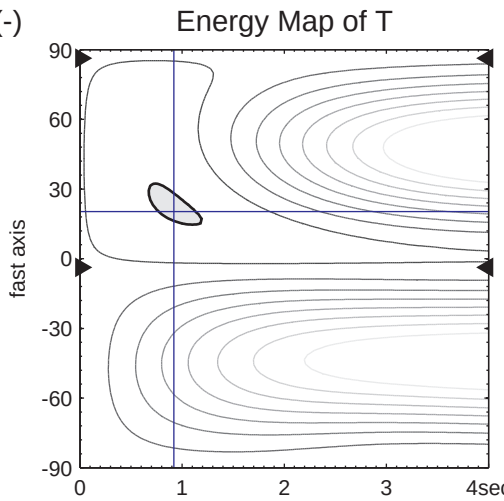


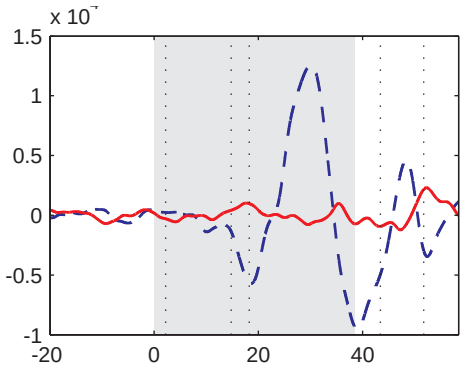








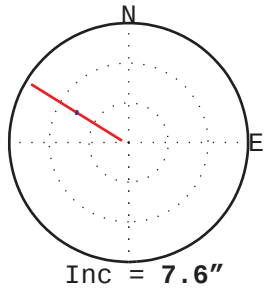


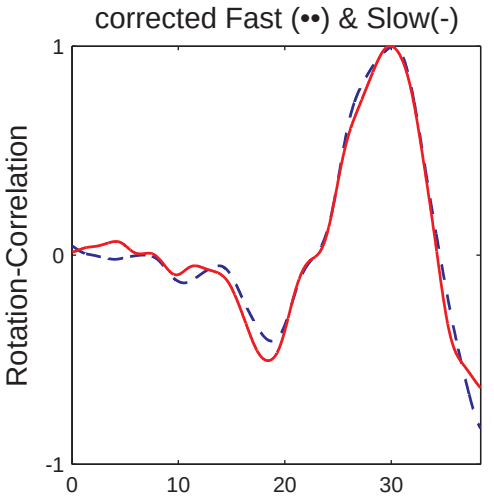


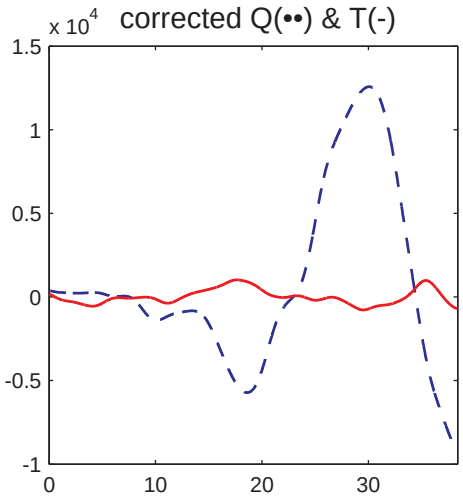
Event: **27-Aug-2012 (240) 04:37 12.14N -88.59E 28km Mw=7.3**
Station: **GULN** Backazimuth: **299.9”** Distance: **107.19”**
init.Pol.: **122.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.6**

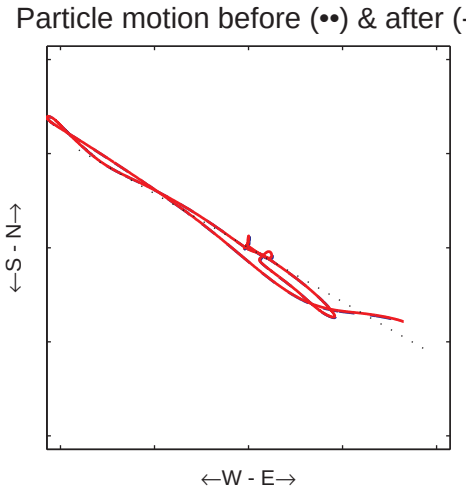
Rotation Correlation:	65<	78° < -89	0.0<0.0s<0.0
Minimum Energy:	-Inf<	-58° < Inf	0.0<3.4s<Inf
Eigenvalue:	-Inf<	20° < Inf	0.0<0.2s<Inf

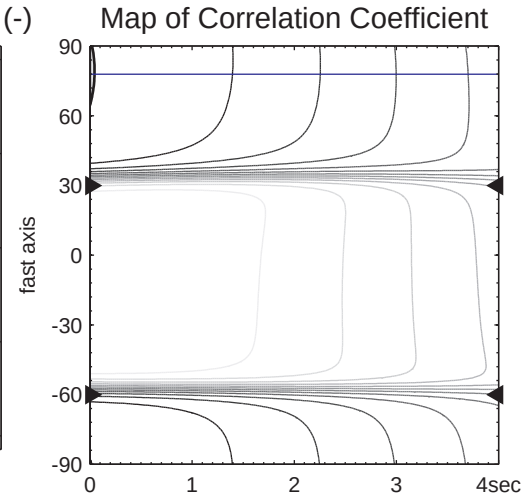
Quality: **good** IsNull: **Yes** Phase: **SKS**

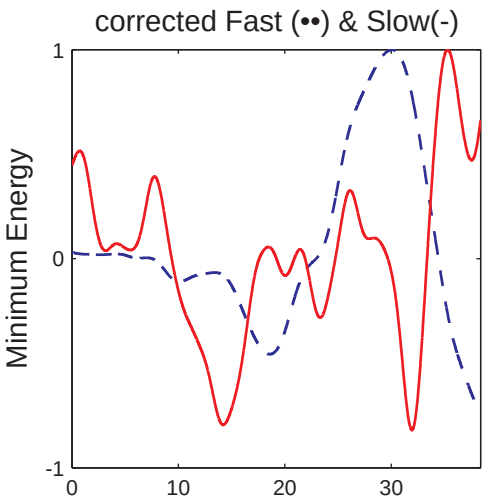


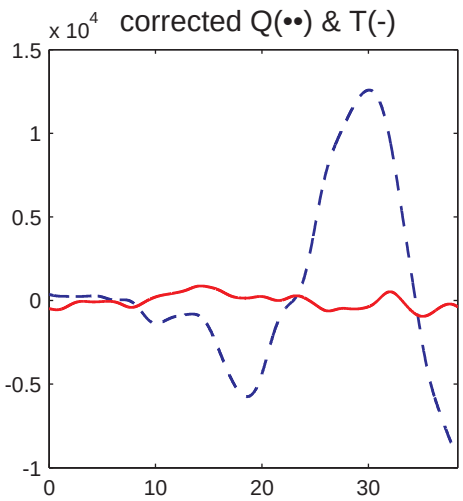


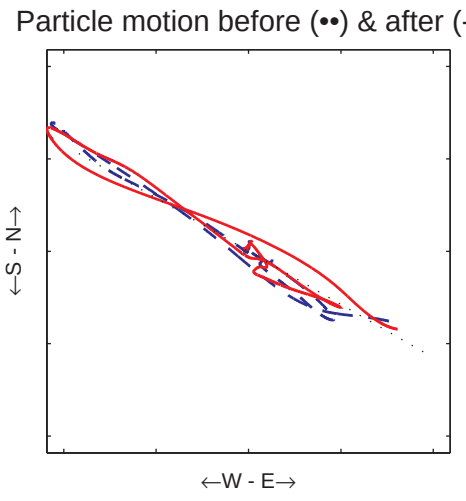


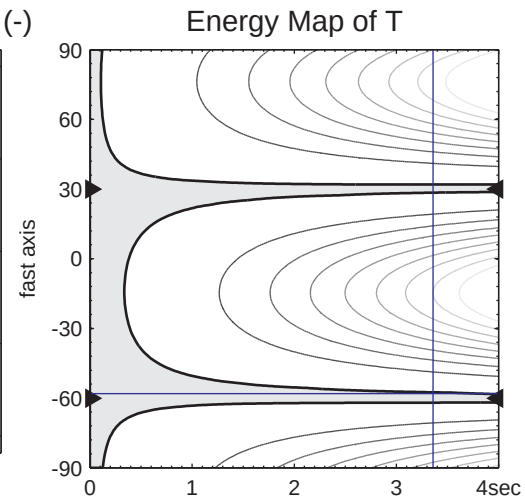


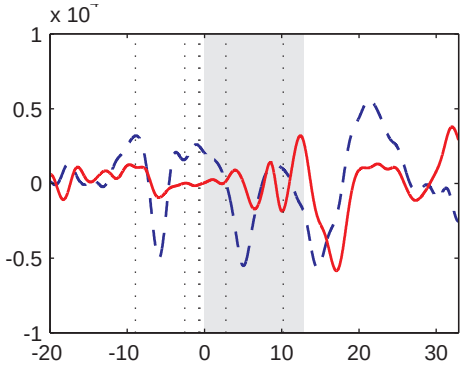








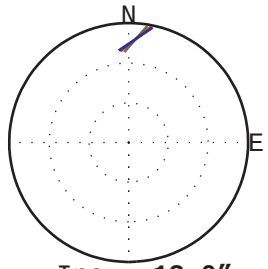




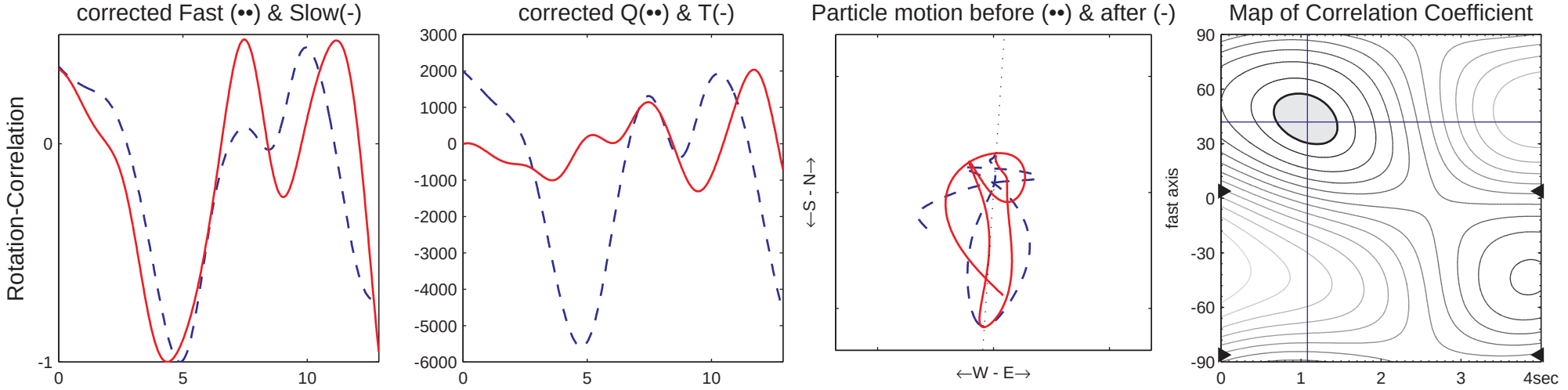
Event: **09-Apr-2005 (099) 15:16 56.17N -154.52E 14km Mw=6.0**
Station: **HDMB** Backazimuth: **3.9”** Distance: **86.68”**
init.Pol.: **186.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.5**

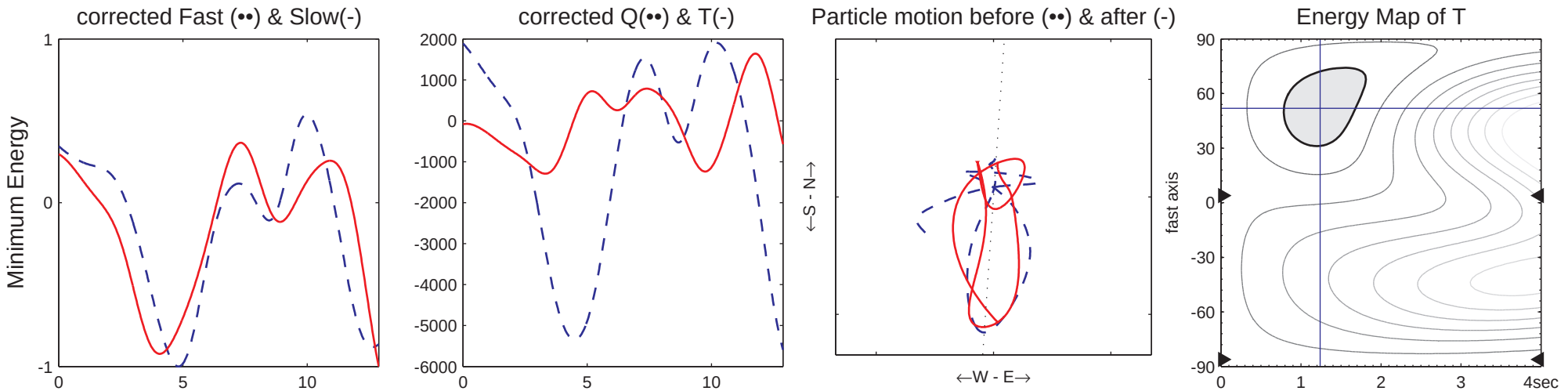
Rotation Correlation:	30<	42° <	58	0.6<1.1s<1.4
Minimum Energy:	31<	52° <	74	0.8<1.2s<1.8
Eigenvalue:	27<	56° <	88	0.8<1.3s<2.0

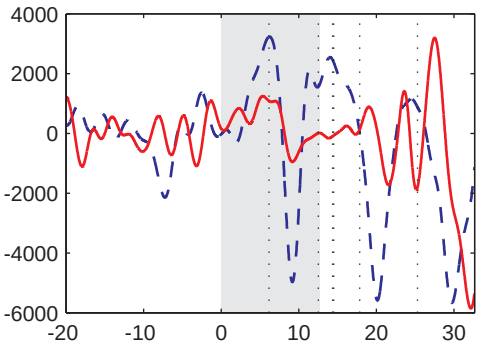
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



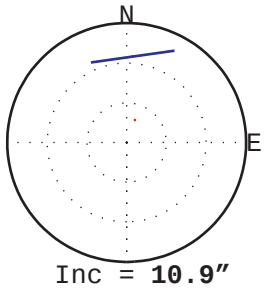


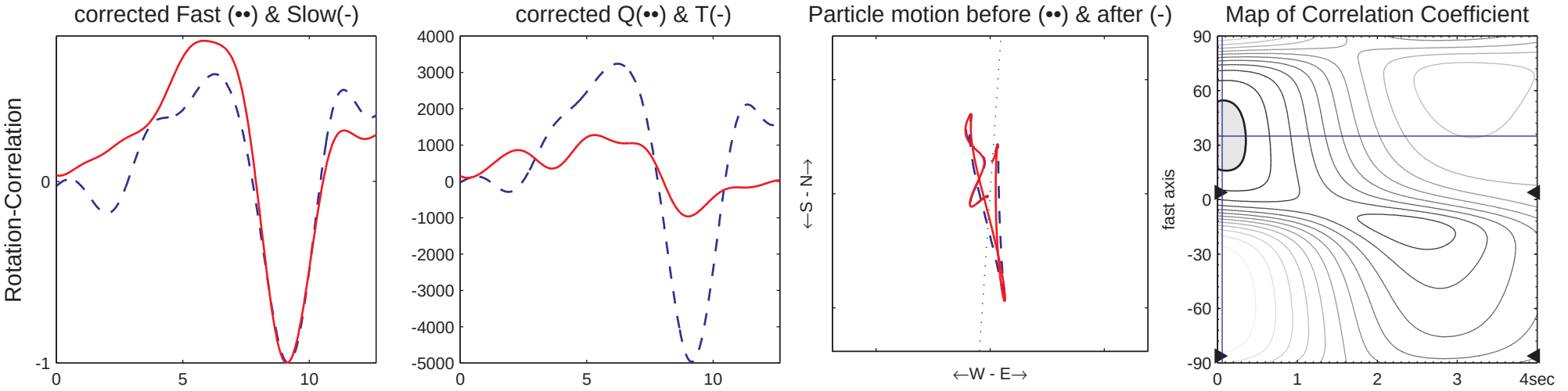


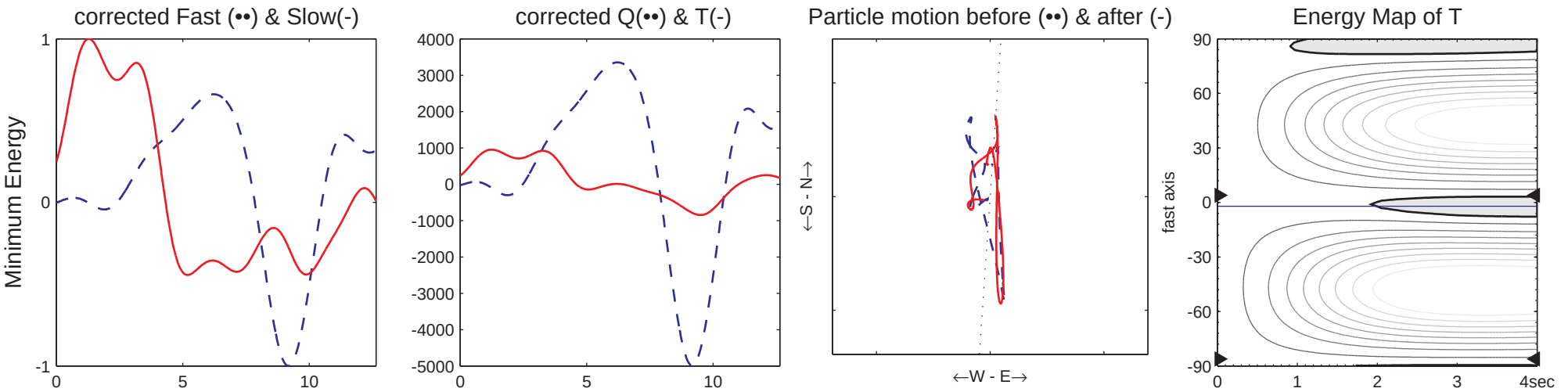
Event: **09-Apr-2005 (099) 15:16 56.17N -154.52E 14km Mw=6.0**
Station: **HDMB** Backazimuth: **3.9”** Distance: **86.68”**
init.Pol.: **175.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.7**

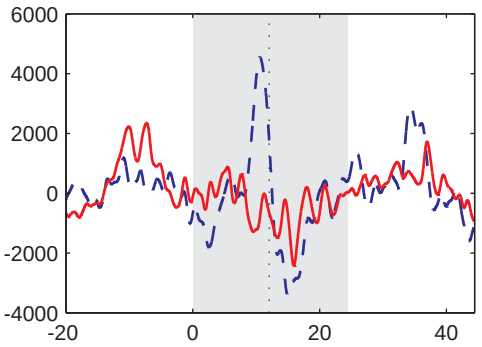
Rotation Correlation:	16<	35° <	55	0.0<0.1s<0.4
Minimum Energy:	-9<	-2° <	1	1.9<4.0s<4.0
Eigenvalue:	-Inf<	82° <	Inf	0.0<2.6s<Inf

Quality: **fair** IsNull: **Yes** Phase: **SKS**





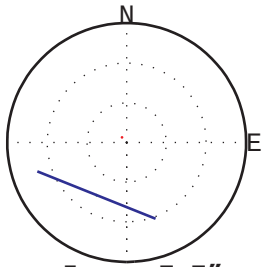




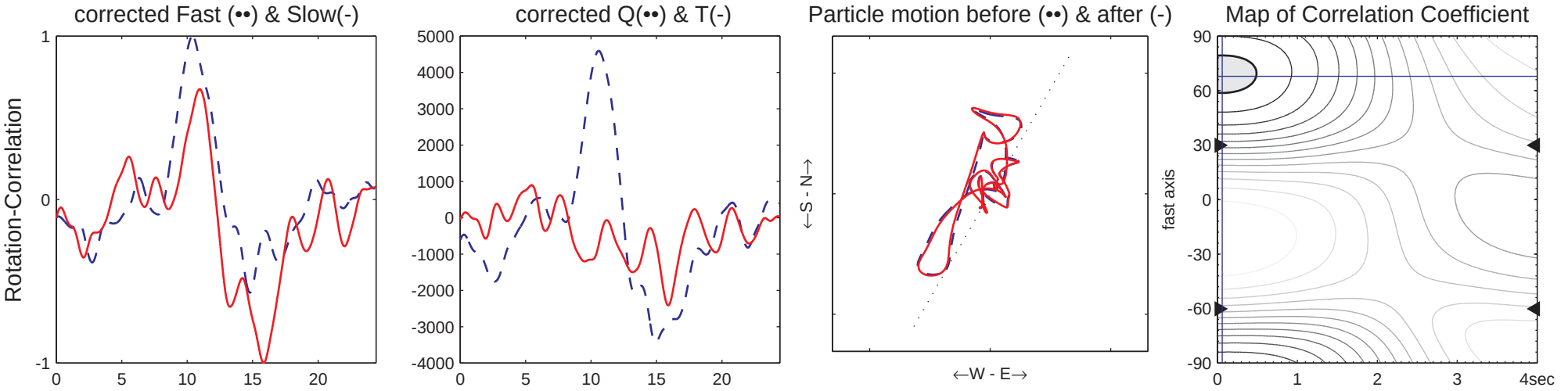
Event: **12-Jun-2005 (163) 19:26 -56.29N -27.08E 94km Mw=6.0**
Station: **HDMB** Backazimuth: **209.9”** Distance: **106.00”**
init.Pol.: **9.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.4**

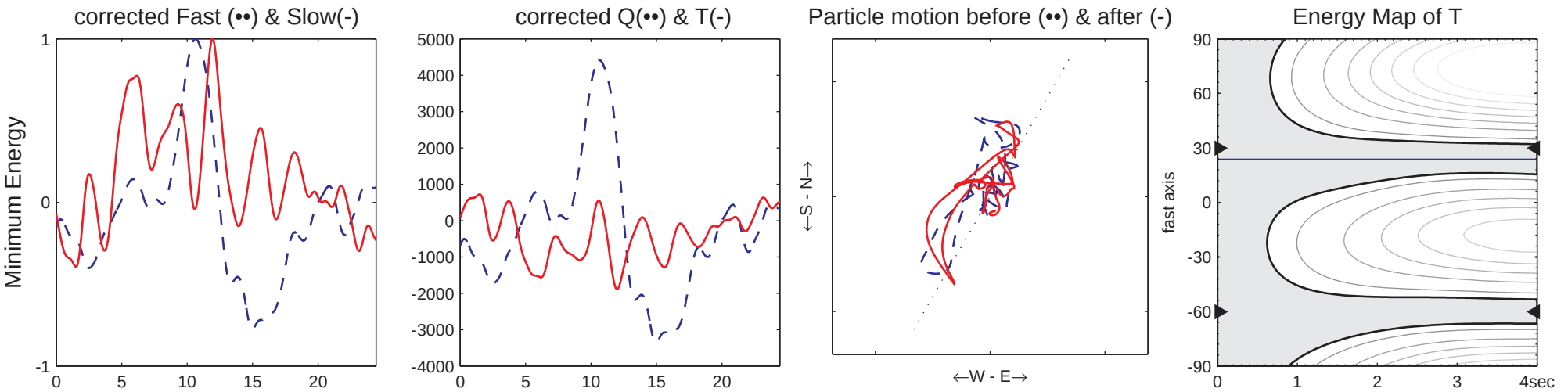
Rotation Correlation:	59<	68° <	79	0.0<0.1s<0.5
Minimum Energy:	-Inf<	24° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-84<	-68° <	-62	2.4<4.0s<4.0

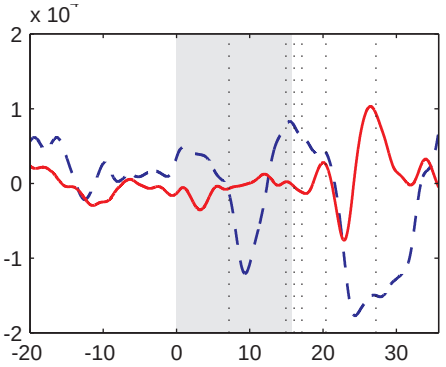
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.7”**



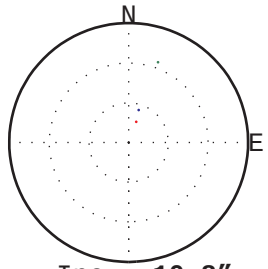


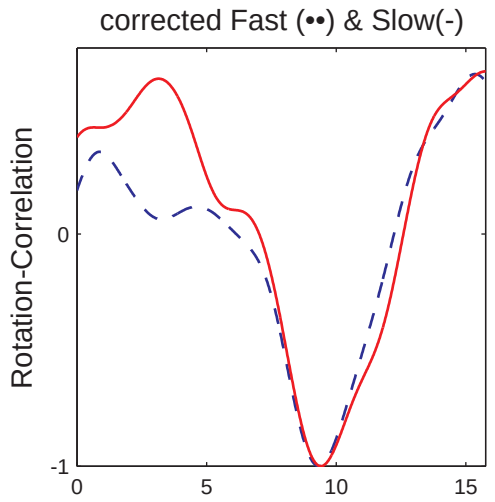


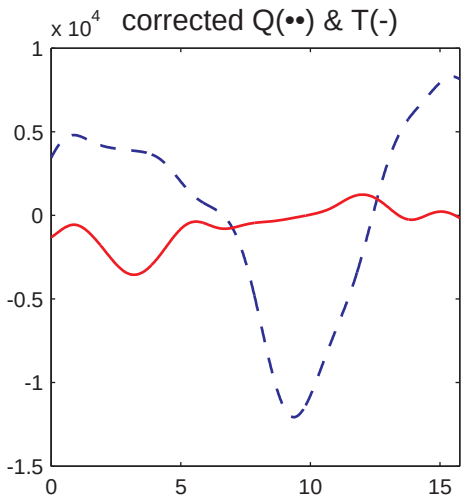
Event: **14-Jun-2005 (165) 17:10 51.24N 179.31E 17km Mw=6.8**
Station: **HDMB** Backazimuth: **20.1”** Distance: **87.12”**
init.Pol.: **208.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

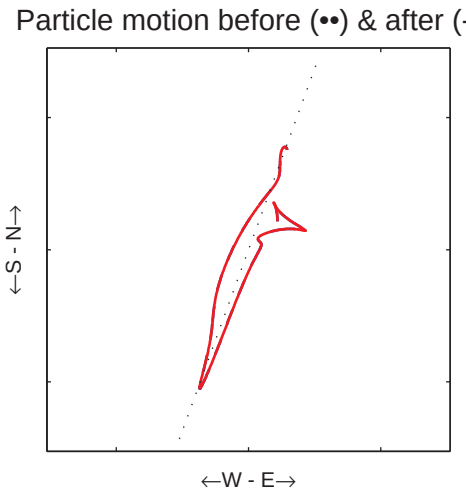
Rotation Correlation:	-40<	-21° <	-3	0.0<0.0s<0.6
Minimum Energy:	17<	20° <	25	3.0<4.0s<4.0
Eigenvalue:	19<	22° <	27	1.9<3.2s<4.0

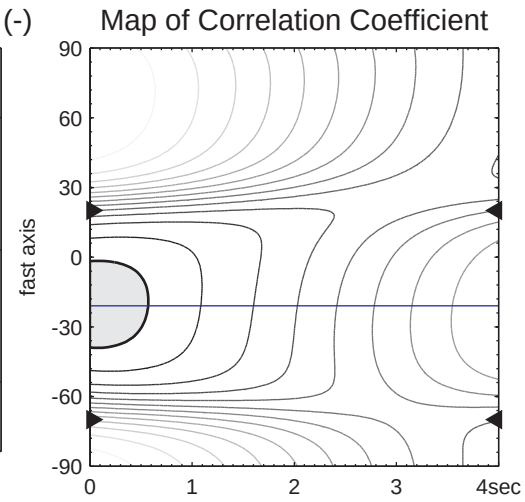
Quality: **good** IsNull: **Yes** Phase: **SKS**

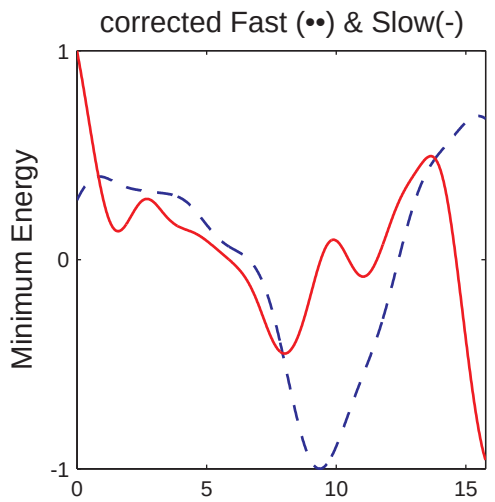


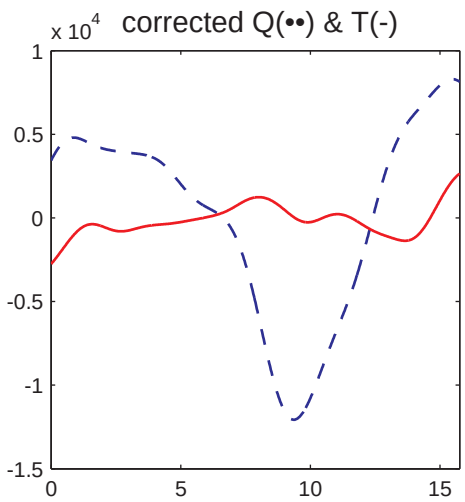


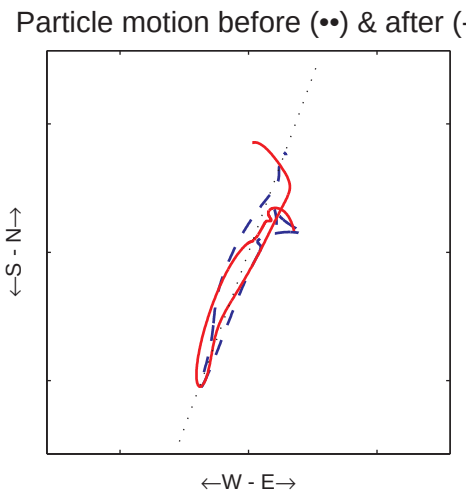


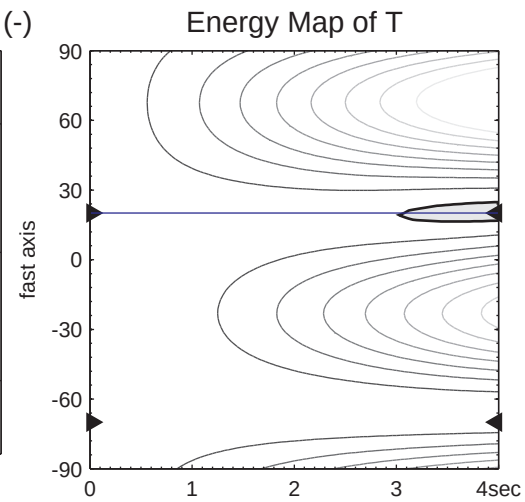


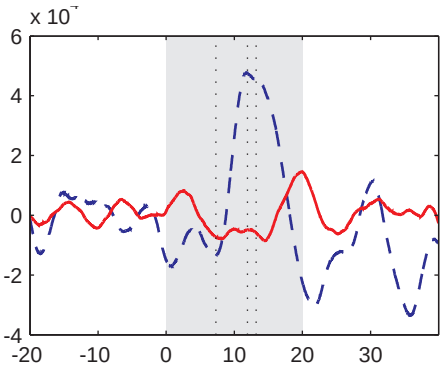








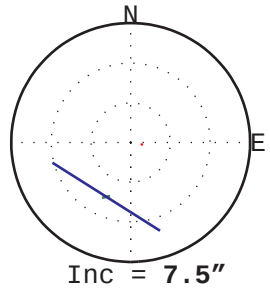


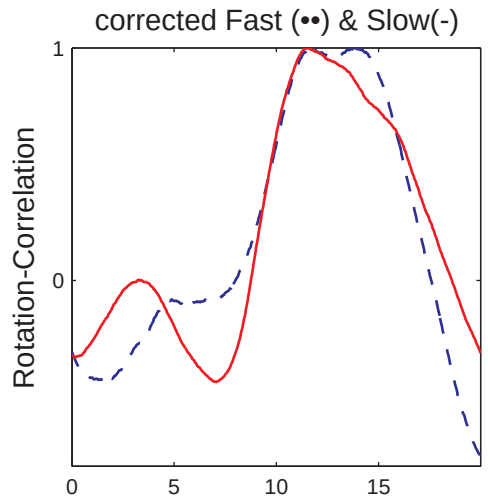


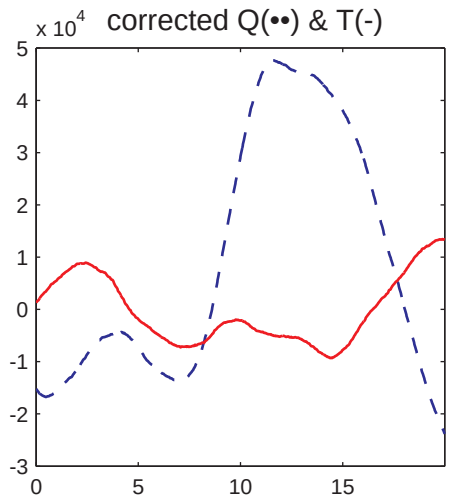
Event: **02-Jan-2006 (002) 06:10 -60.93N -21.58E 10km Mw=7.4**
Station: **HDMB** Backazimuth: **204.3”** Distance: **107.32”**
init.Pol.: **41.7”** Filter: **0.000Hz - InfHz** SNR_{SC}: **5.4**

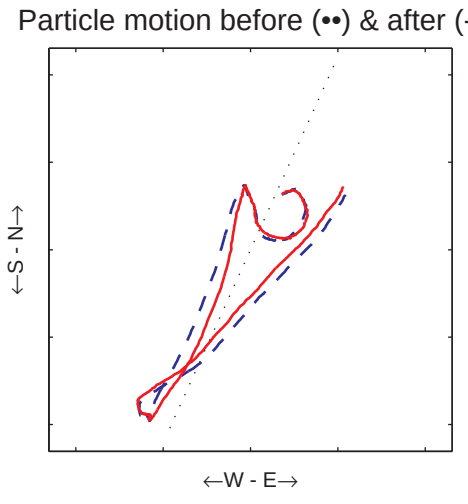
Rotation Correlation:	55<	77° < -81	0.0<0.3s<1.4
Minimum Energy:	29<	34° < 41	2.3<4.0s<4.0
Eigenvalue:	-76<	-58° < -54	1.4<4.0s<4.0

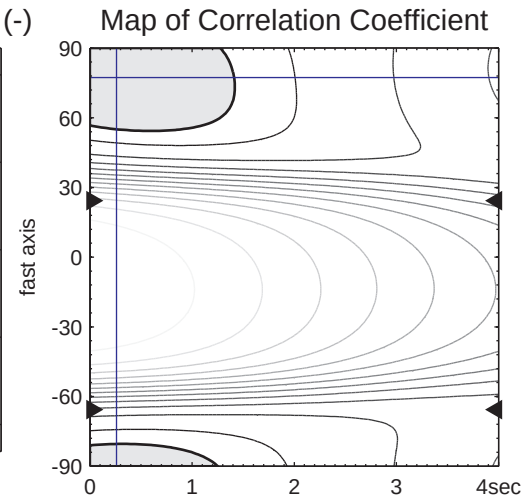
Quality: **good** IsNull: **Yes** Phase: **SKS**

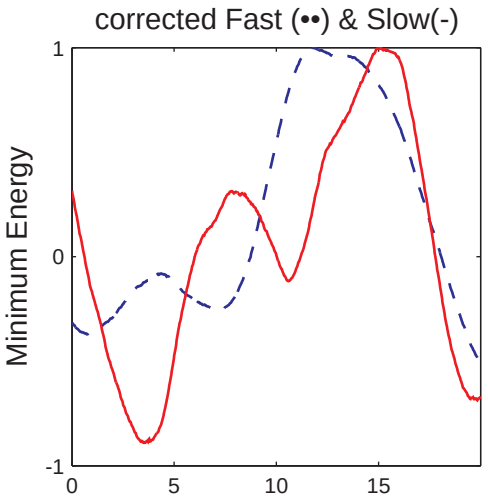


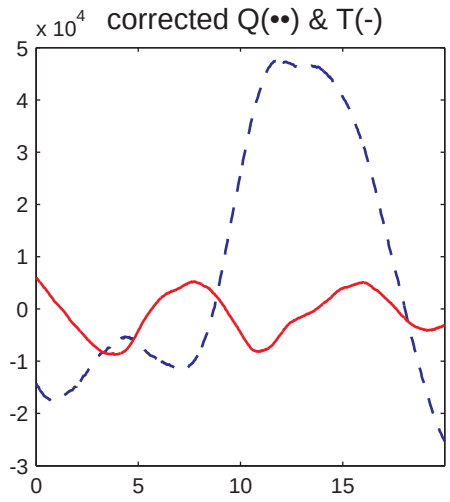


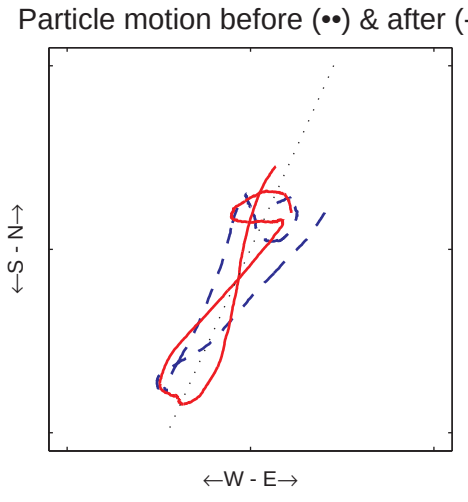


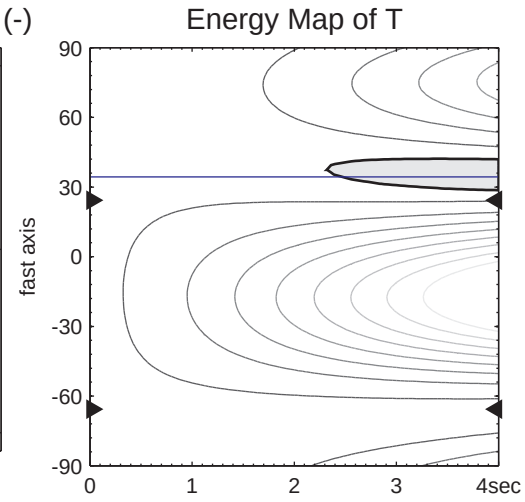


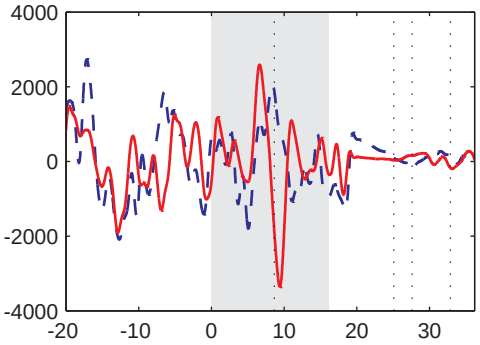








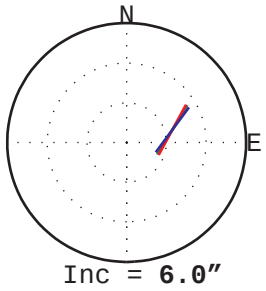


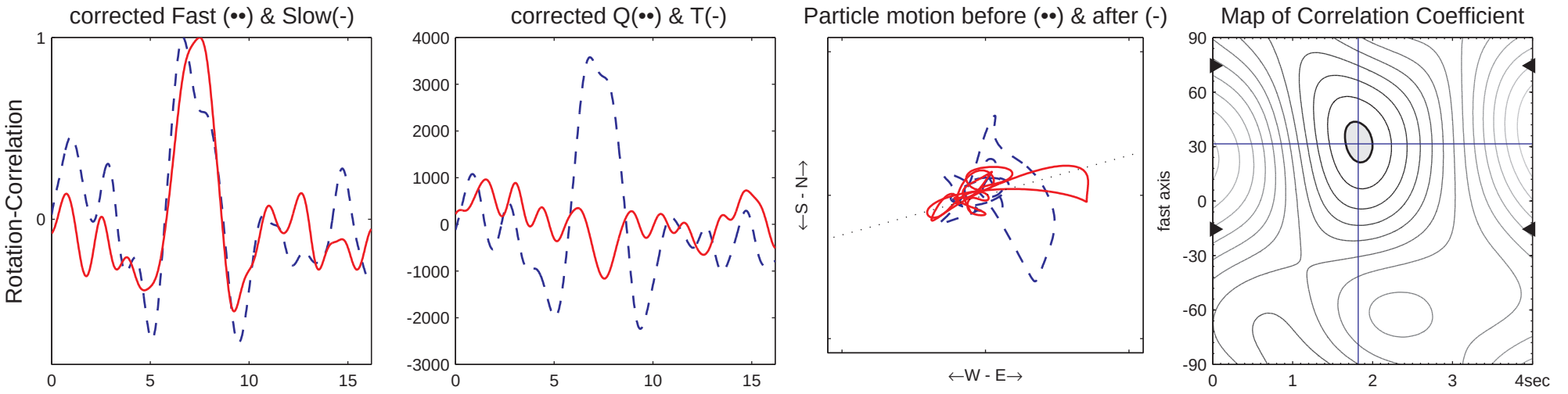


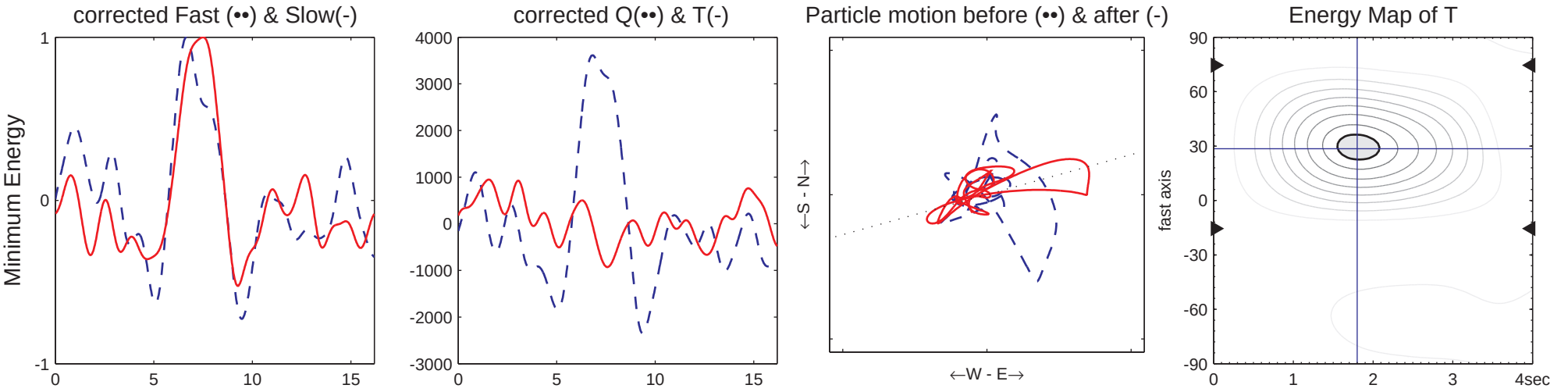
Event: **01-Sep-2006 (244) 10:18 -6.82N 155.54E 45km Mw=6.8**
Station: **HDMB** Backazimuth: **74.5”** Distance: **120.27”**
init.Pol.: **266.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

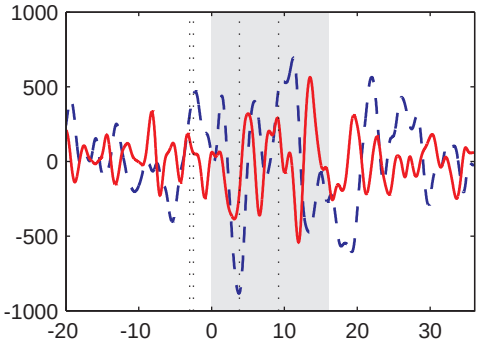
Rotation Correlation:	22<	32° <	44	1.6<1.8s<2.0
Minimum Energy:	23<	29° <	35	1.6<1.8s<2.1
Eigenvalue:	19<	37° <	56	1.5<1.8s<2.0

Quality: **good** IsNull: **No** Phase: **SKS**





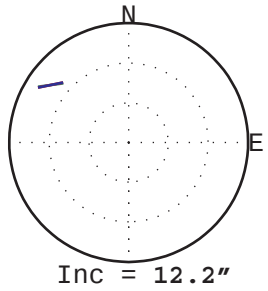


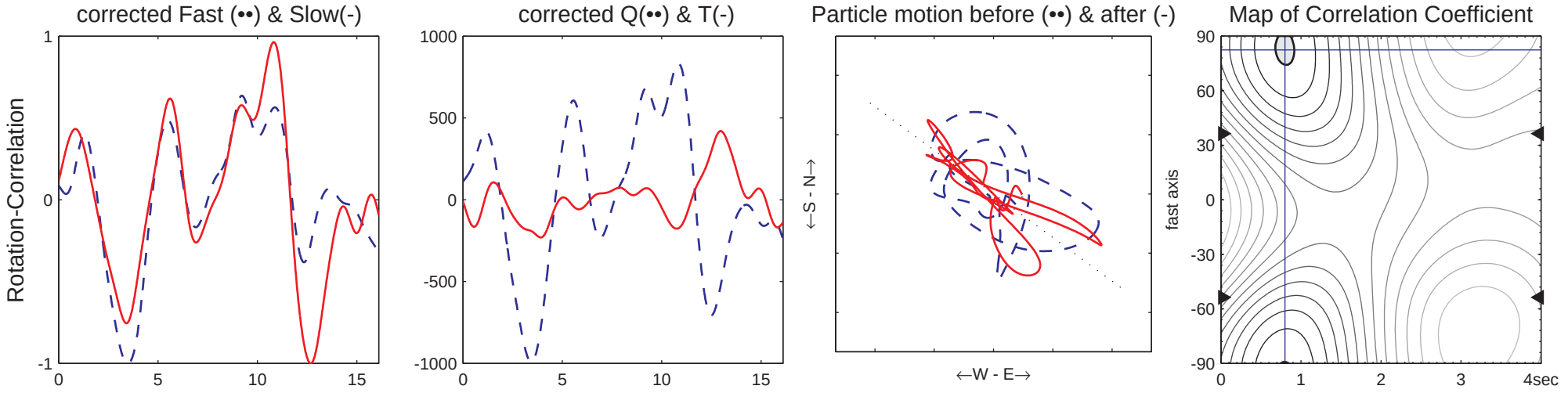


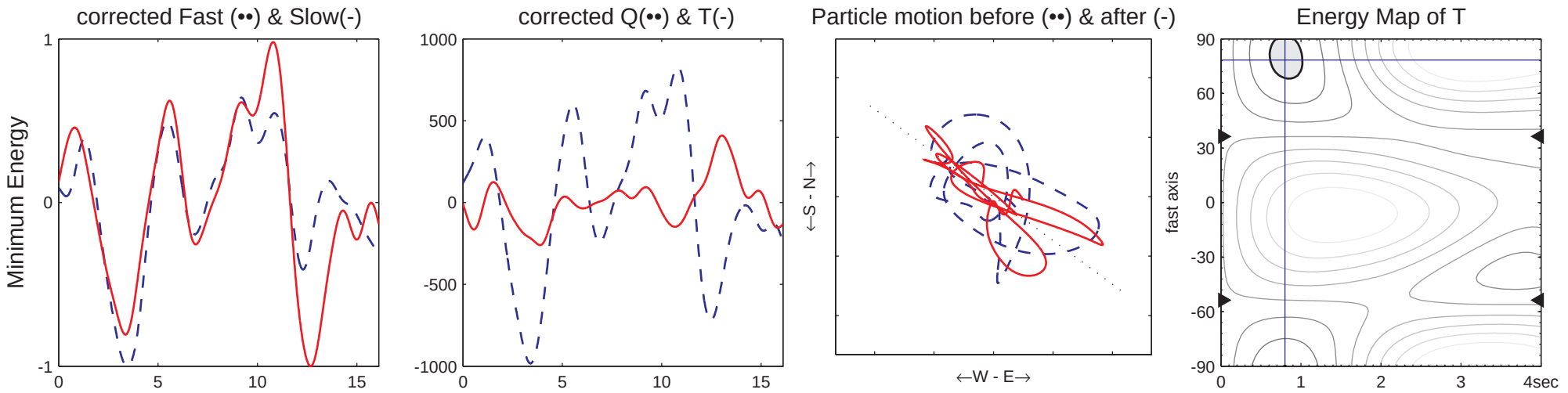
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **HDMB** Backazimuth: **306.4”** Distance: **106.65”**
init.Pol.: **126.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

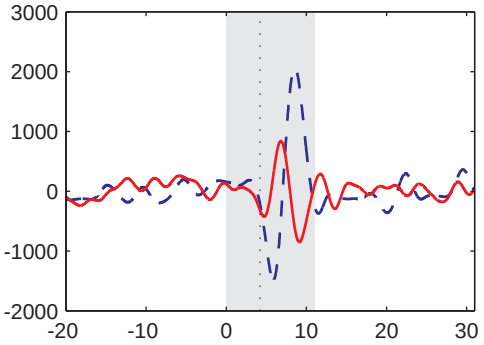
Rotation Correlation:	74<	82° <	-90	0.7<0.8s<0.9
Minimum Energy:	68<	78° <	-92	0.6<0.8s<1.0
Eigenvalue:	64<	78° <	-86	0.6<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKKS**





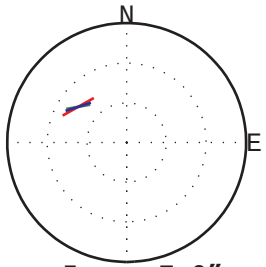




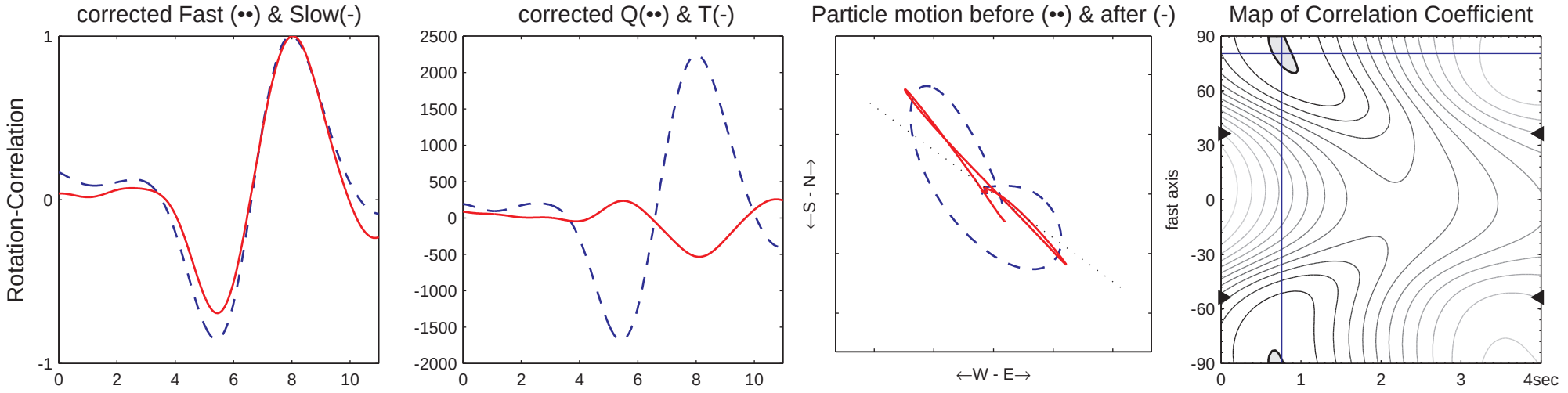
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **HDMB** Backazimuth: **306.4”** Distance: **106.65”**
init.Pol.: **134.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.8**

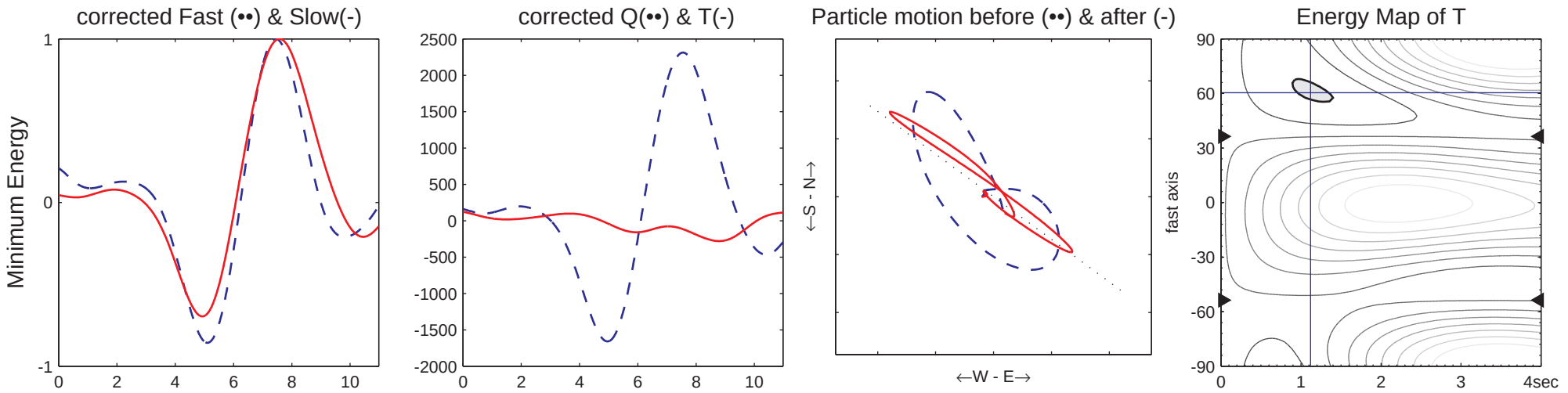
Rotation Correlation:	70<	80° <	-84	0.6<0.8s<1.0
Minimum Energy:	56<	60° <	68	0.9<1.1s<1.4
Eigenvalue:	64<	72° <	88	0.7<0.8s<1.1

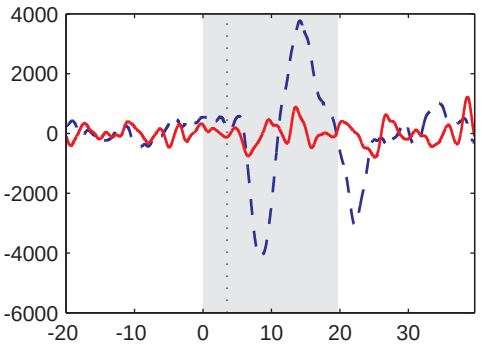
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.6”**



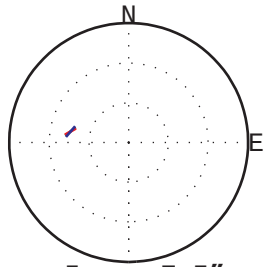


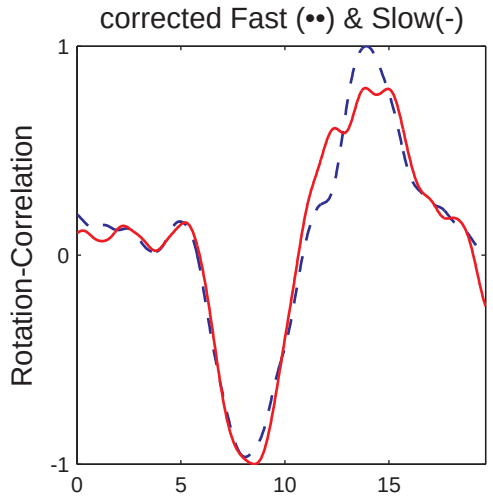


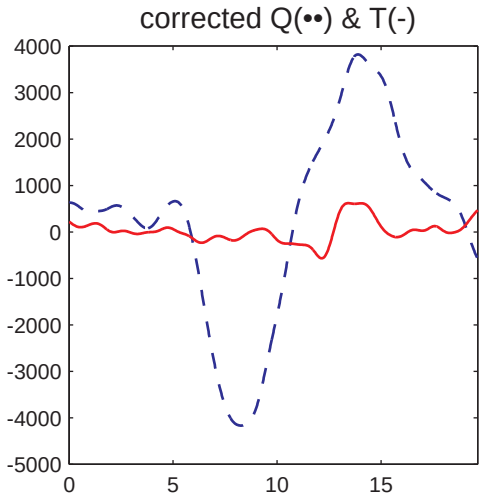
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **HDMB** Backazimuth: **280.7”** Distance: **107.55”**
init.Pol.: **97.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.8**

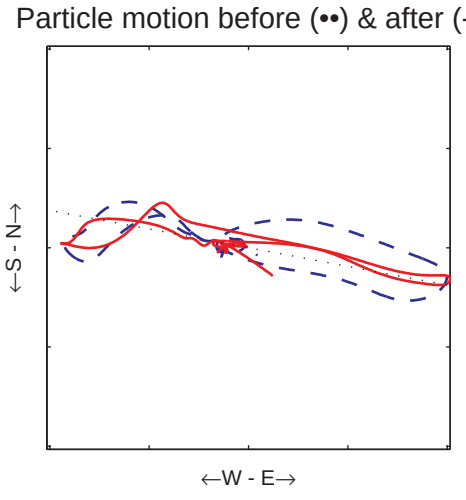
Rotation Correlation:	44<	53° <	64	0.3<0.4s<0.6
Minimum Energy:	27<	61° <	88	0.2<0.4s<0.8
Eigenvalue:	19<	41° <	80	0.2<0.4s<1.0

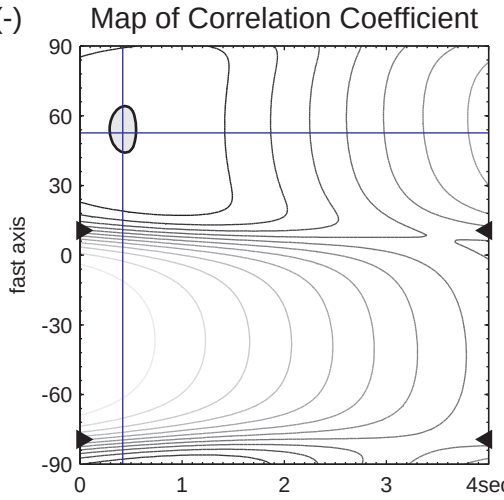
Quality: **fair** IsNull: **No** Phase: **SKS**

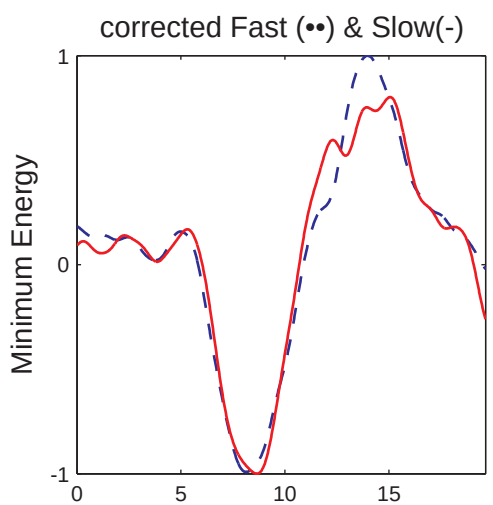


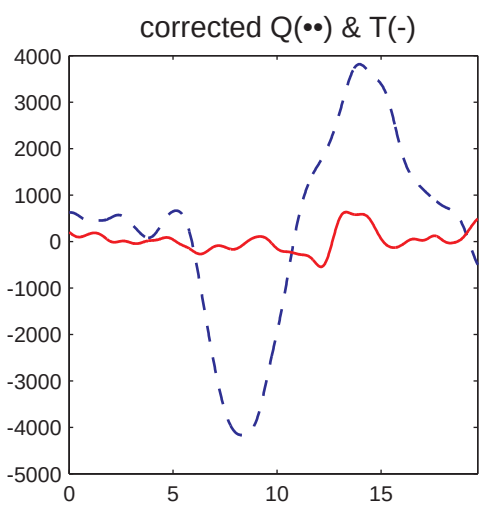


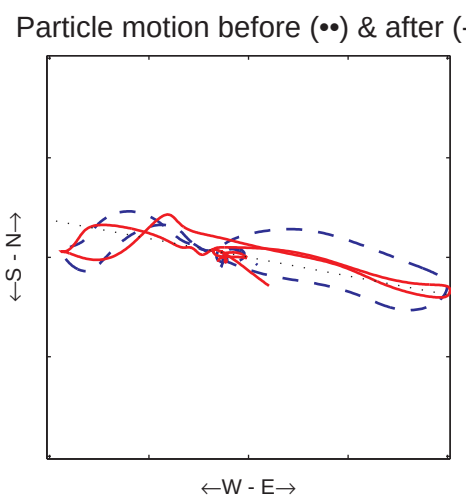


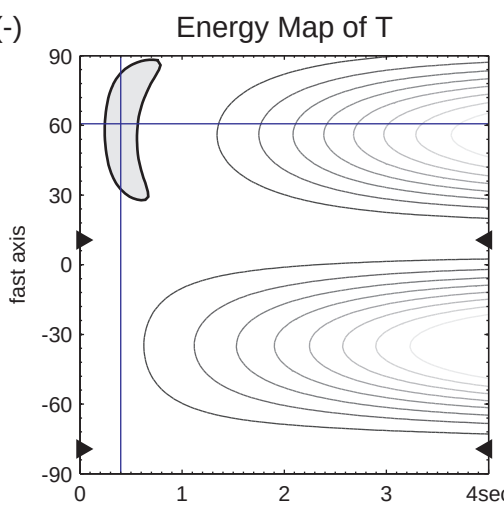


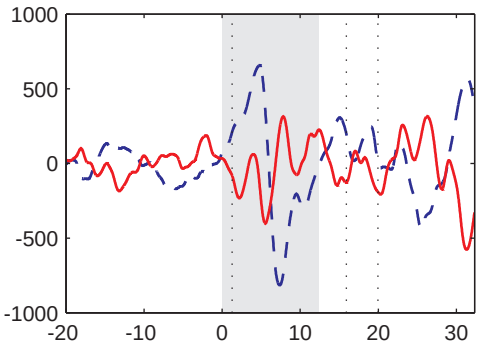








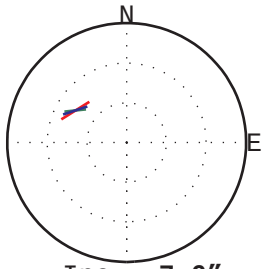




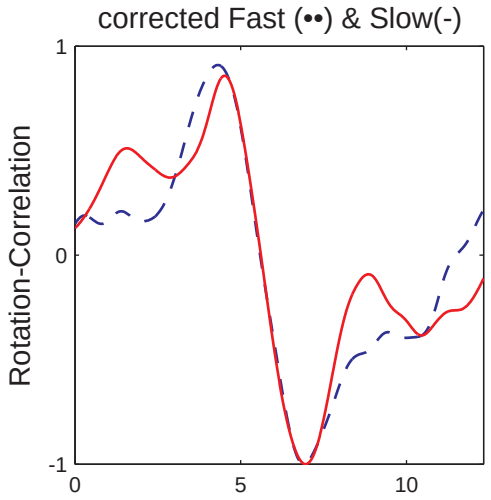
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **HDMB** Backazimuth: **301.9”** Distance: **106.44”**
init.Pol.: **132.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.5**

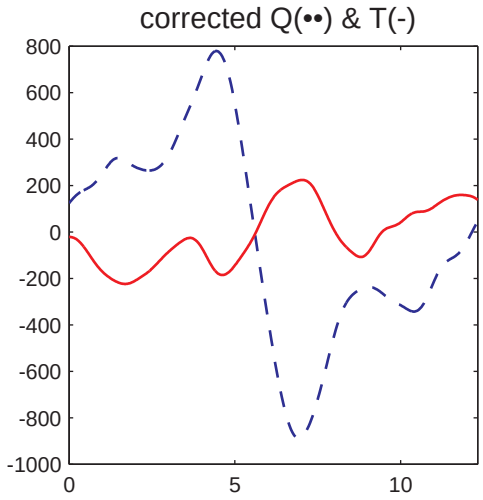
Rotation Correlation:	68<	84° < -78		0.4<0.7s<1.0
Minimum Energy:	43<	58° < 78		0.6<1.0s<1.7
Eigenvalue:	54<	72° < -84		0.4<0.8s<1.3

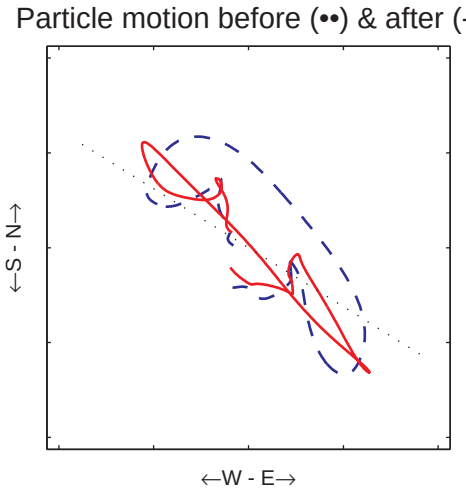
Quality: **fair** IsNull: **No** Phase: **SKS**

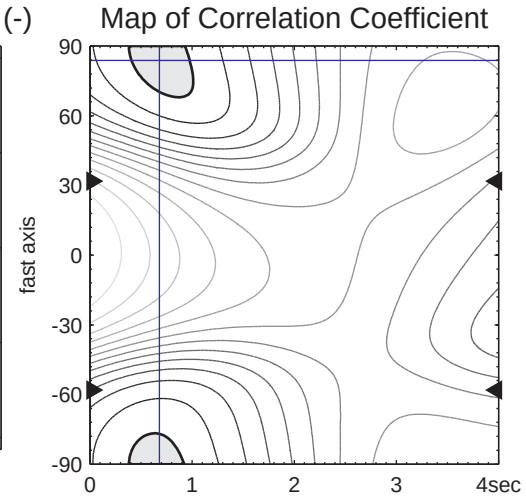


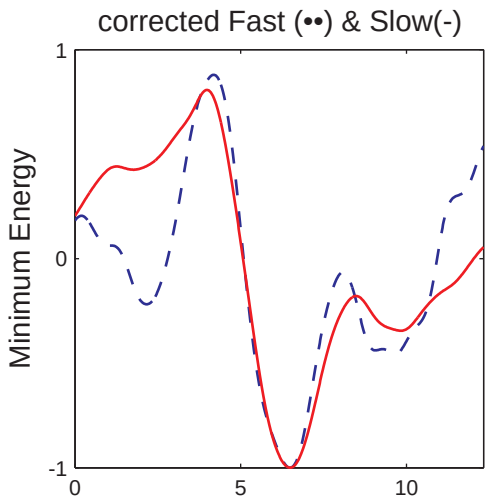
Inc = **7.6”**

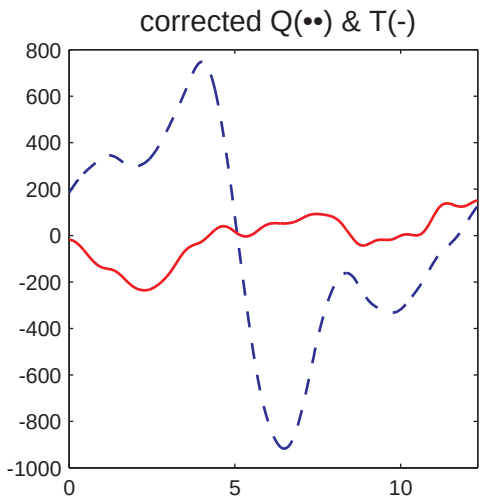


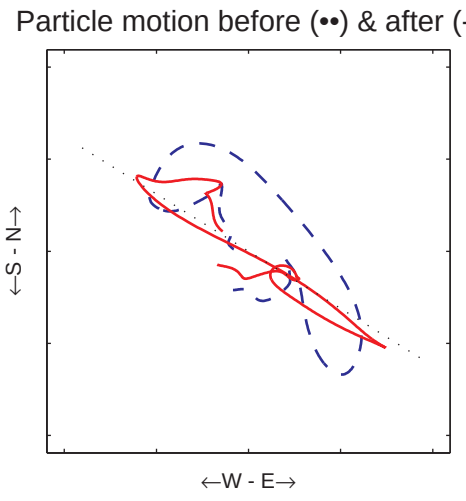


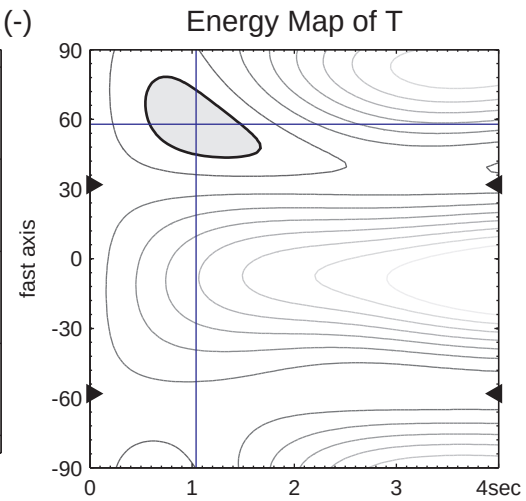


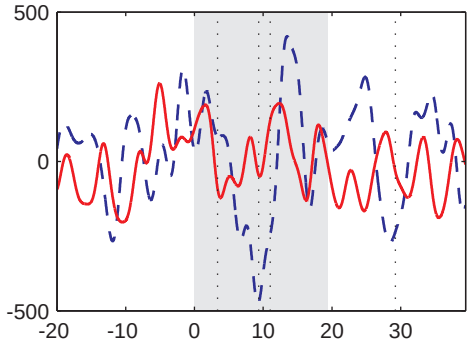








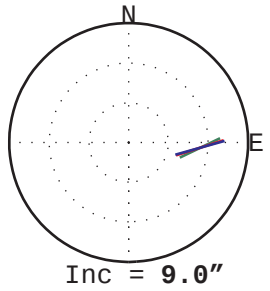


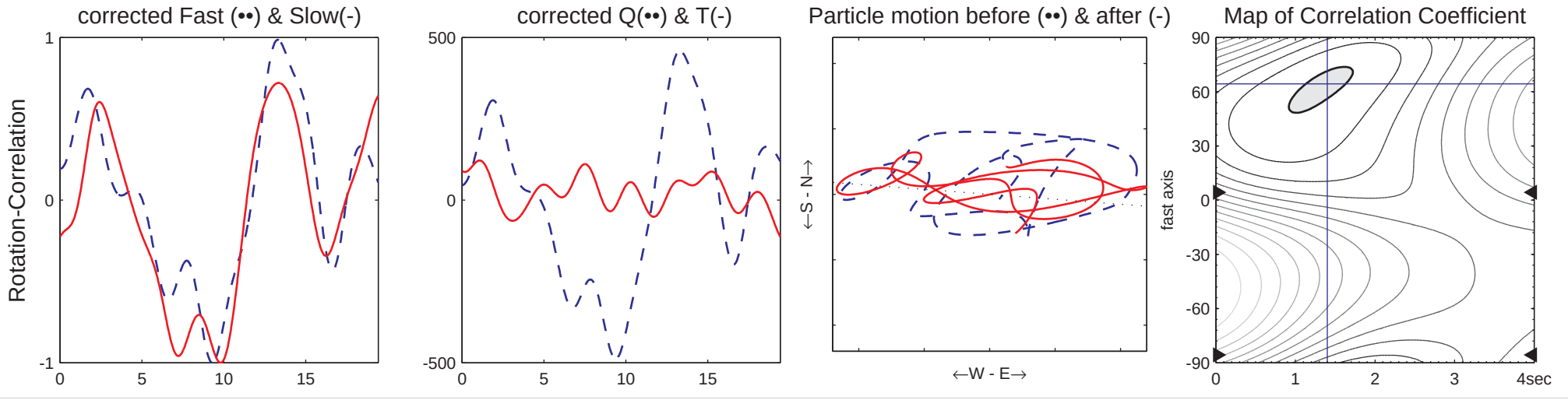


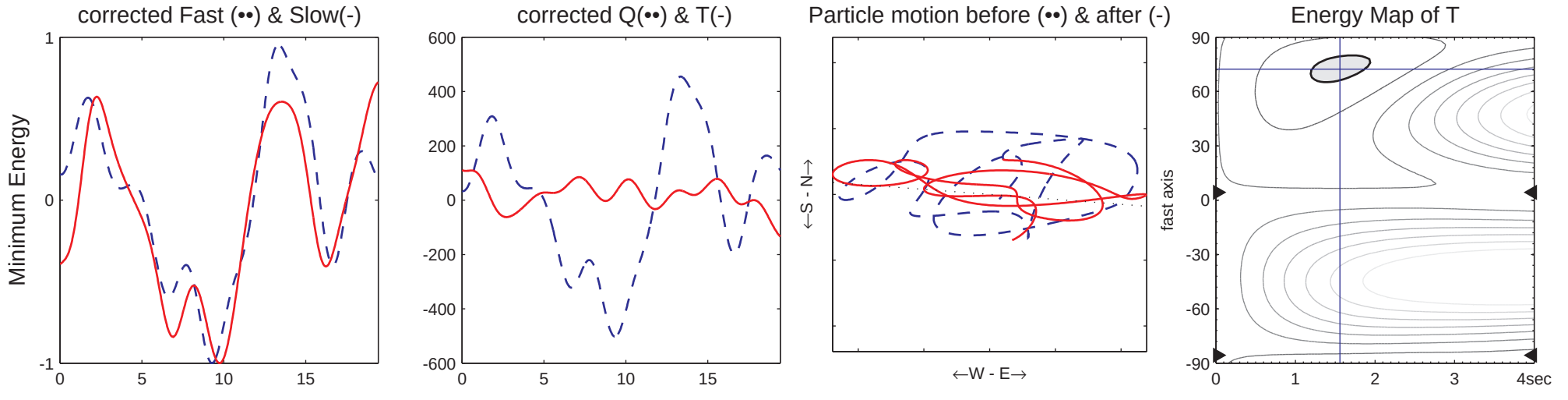
Event: **19-Apr-2008 (110) 03:12 -7.82N 125.69E 13km Mw=6.1**
Station: **HDMB** Backazimuth: **94.4”** Distance: **97.24”**
init.Pol.: **278.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.2**

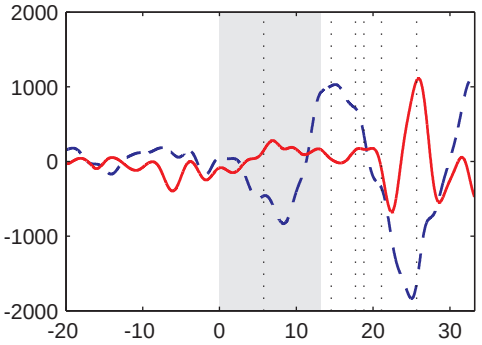
Rotation Correlation:	49<	64° <	74	0.9<1.4s<1.7
Minimum Energy:	66<	72° <	80	1.2<1.6s<2.0
Eigenvalue:	66<	74° <	84	1.2<1.6s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





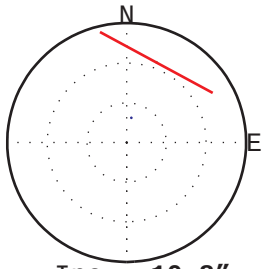




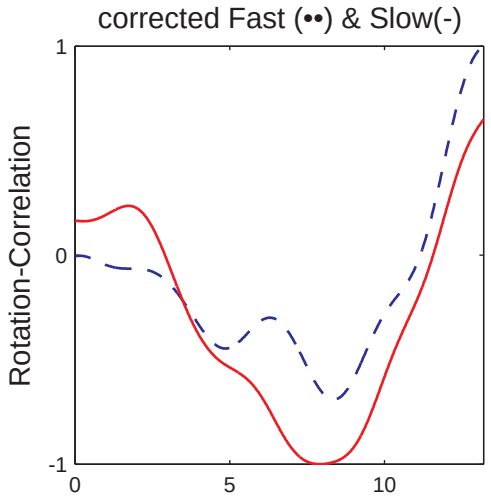
Event: **20-May-2008 (141) 13:53 51.16N 178.76E 27km Mw=6.3**
Station: **HDMB** Backazimuth: **20.4”** Distance: **87.04”**
init.Pol.: **208.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

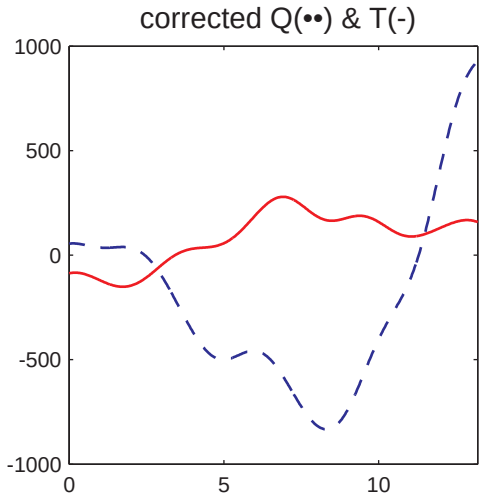
Rotation Correlation:	-41<	-15° <	13	0.0<0.0s<1.3
Minimum Energy:	-70<	-62° <	-56	1.3<4.0s<4.0
Eigenvalue:	17<	24° <	29	2.0<3.8s<4.0

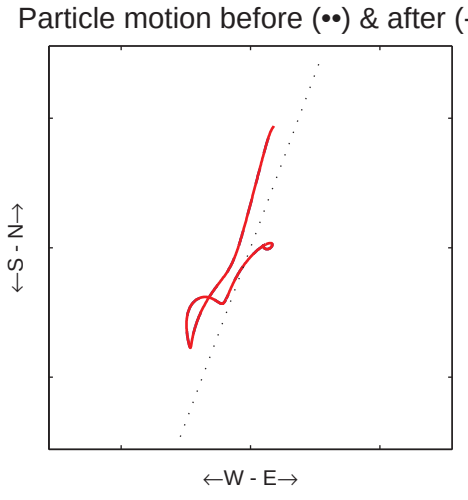
Quality: **good** IsNull: **Yes** Phase: **SKS**

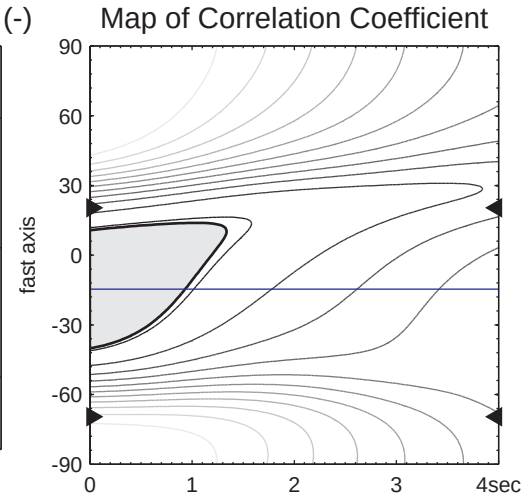


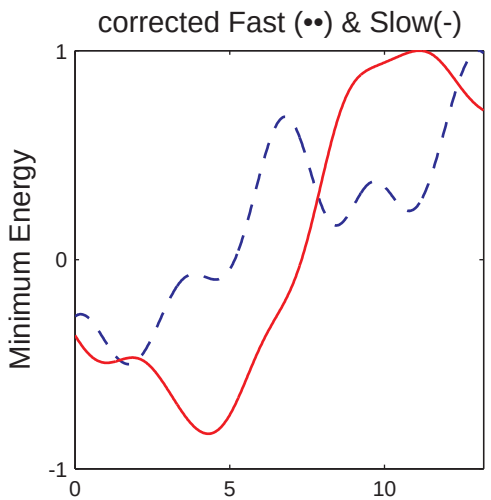
Inc = **10.8”**

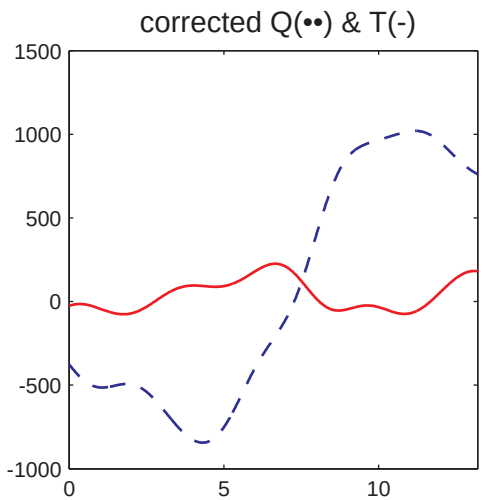


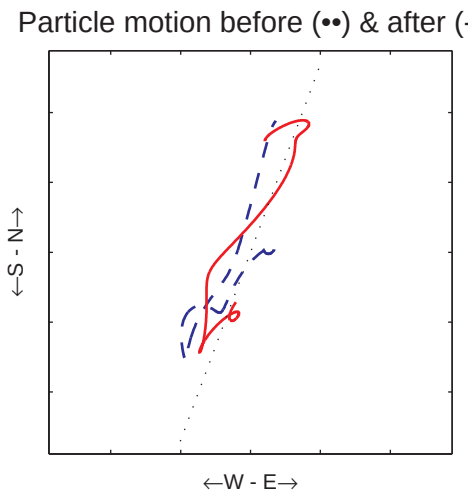


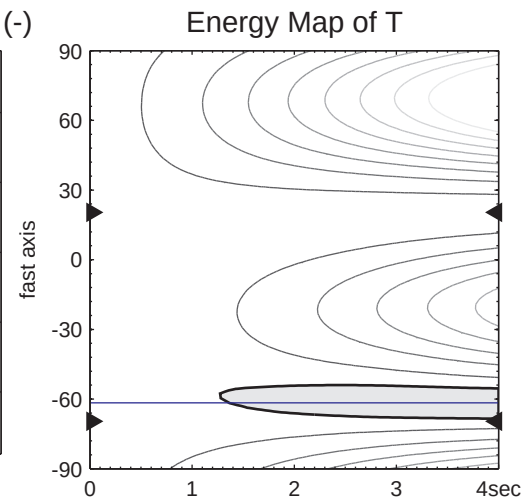


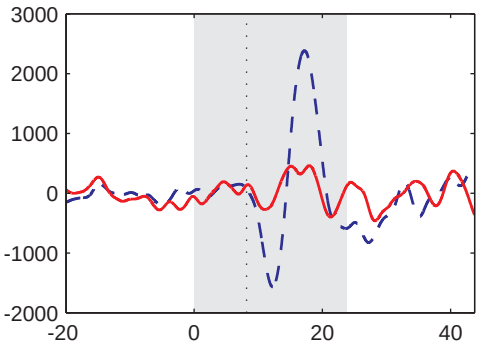








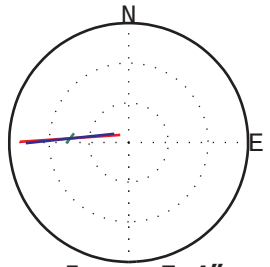


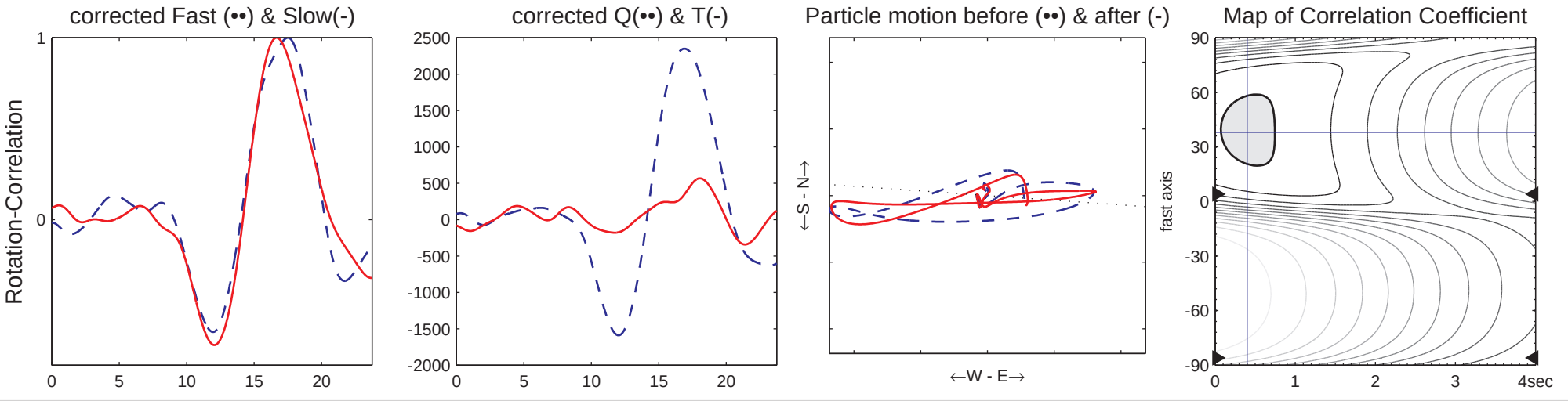


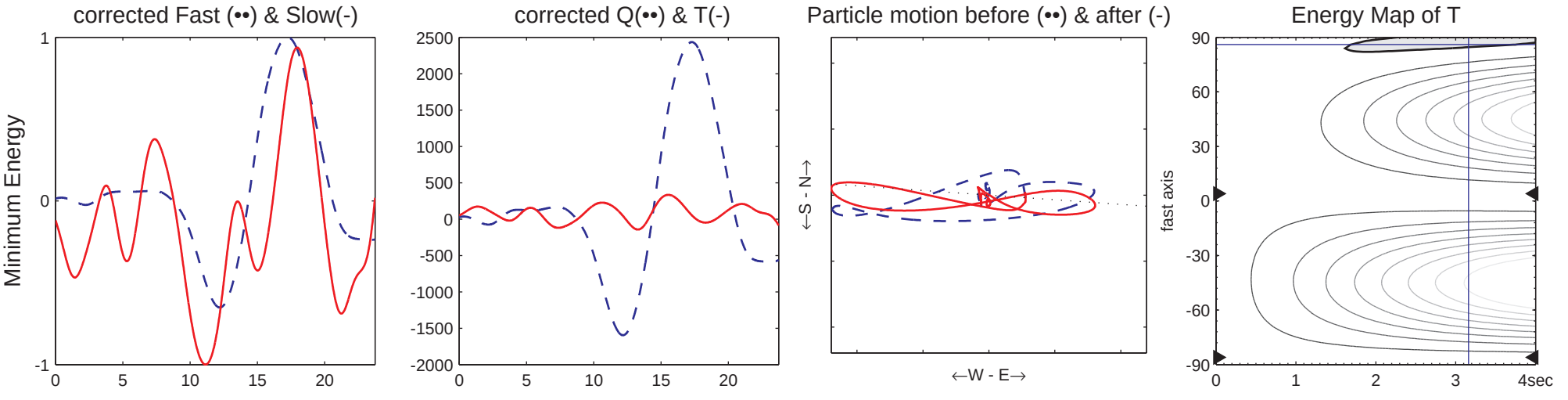
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **HDMB** Backazimuth: **274.0”** Distance: **108.04”**
init.Pol.: **91.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.6**

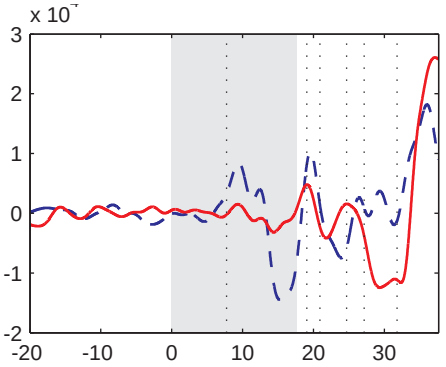
Rotation Correlation:	20<	38° <	59	0.1<0.4s<0.8
Minimum Energy:	82<	86° <	-92	1.6<3.2s<4.0
Eigenvalue:	-3<	84° <	-92	0.2<2.8s<3.9

Quality: **good** IsNull: **Yes** Phase: **SKS**





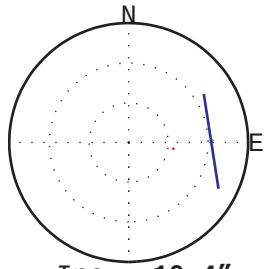


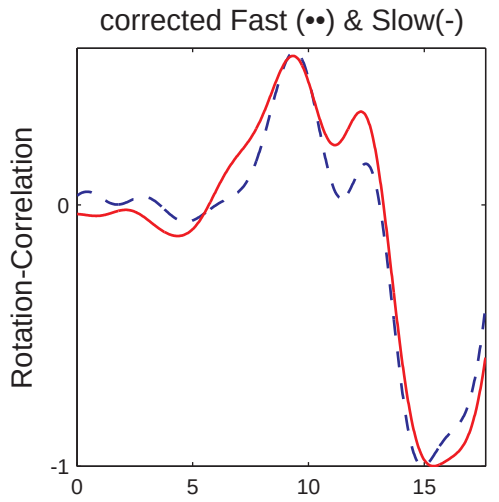


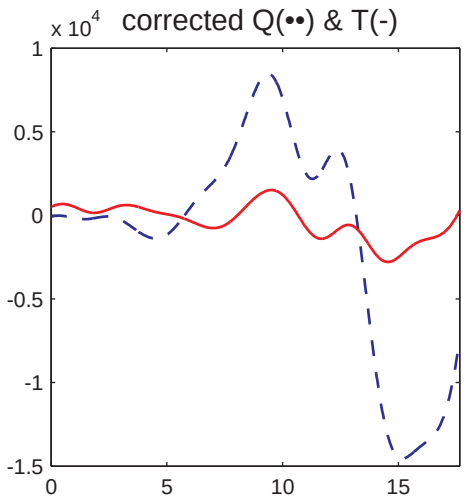
Event: **16-Nov-2008 (321) 17:02 1.27N 122.09E 30km Mw=7.4**
Station: **HDMB** Backazimuth: **89.2”** Distance: **88.92”**
init.Pol.: **256.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.0**

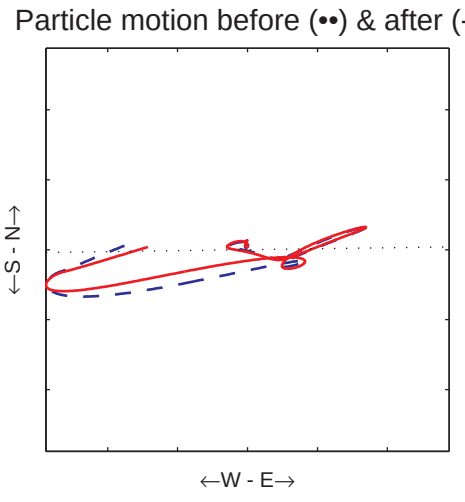
Rotation Correlation:	27<	35° <	46	0.0<0.1s<0.3
Minimum Energy:	78<	79° <	80	1.8<2.4s<2.8
Eigenvalue:	-13<	-9° <	-9	2.2<3.0s<3.5

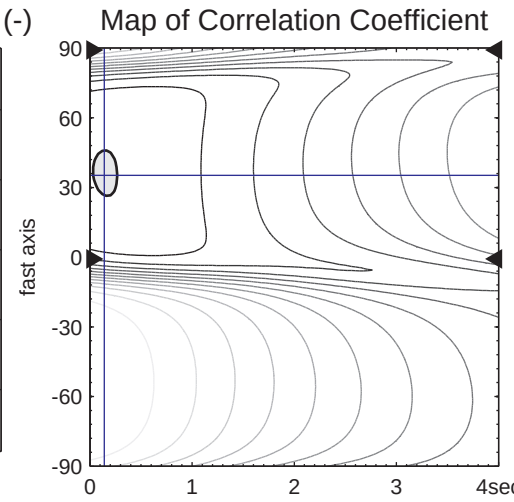
Quality: **good** IsNull: **Yes** Phase: **SKS**

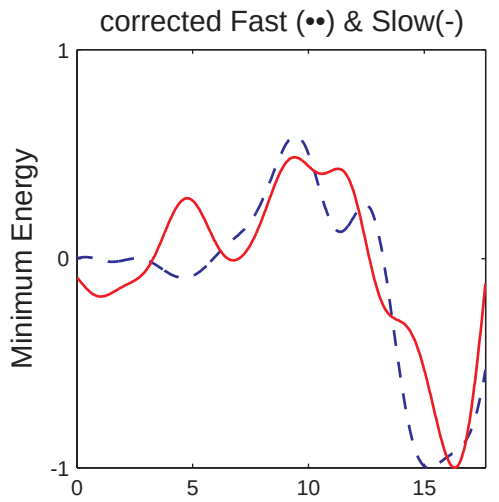


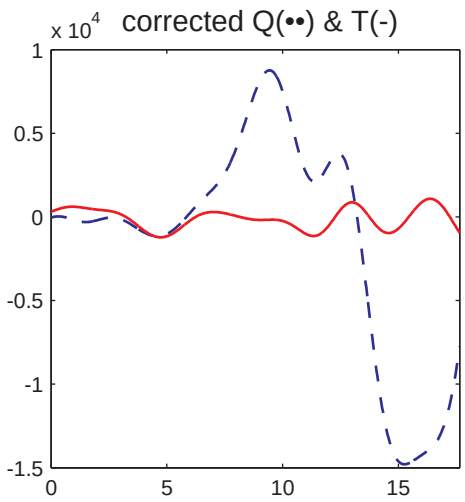


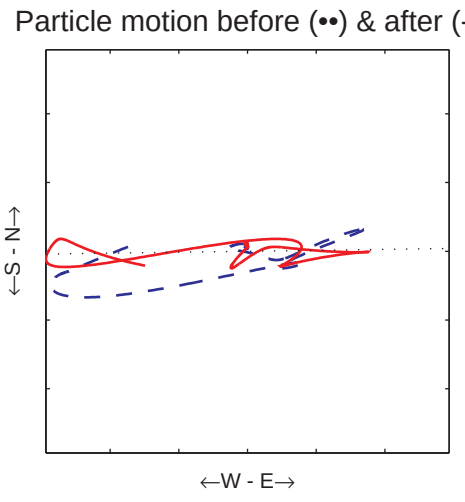


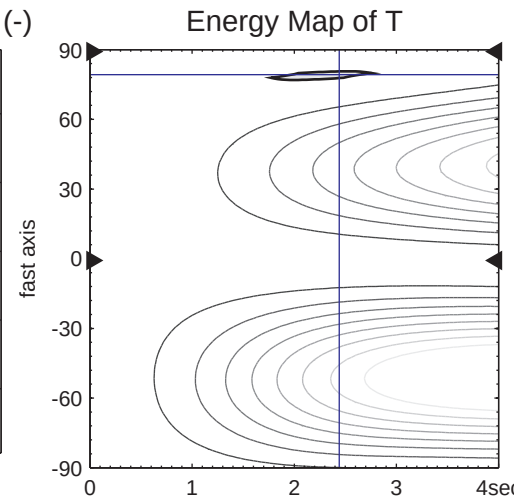


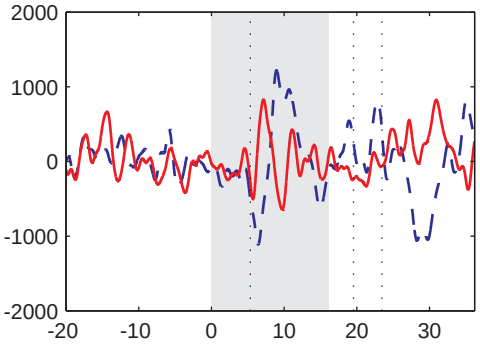








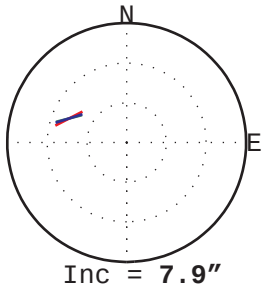


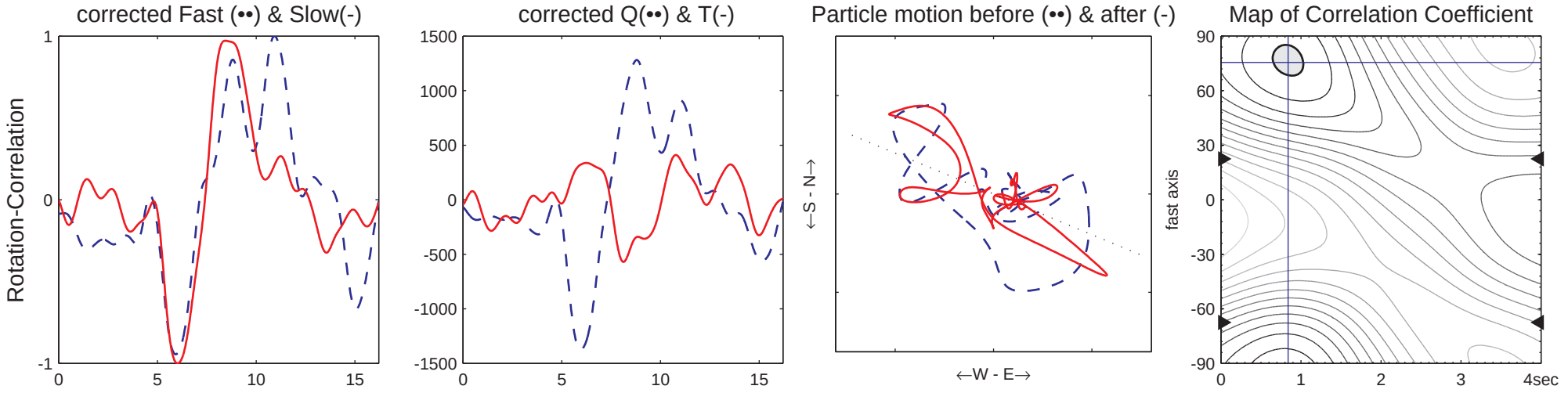


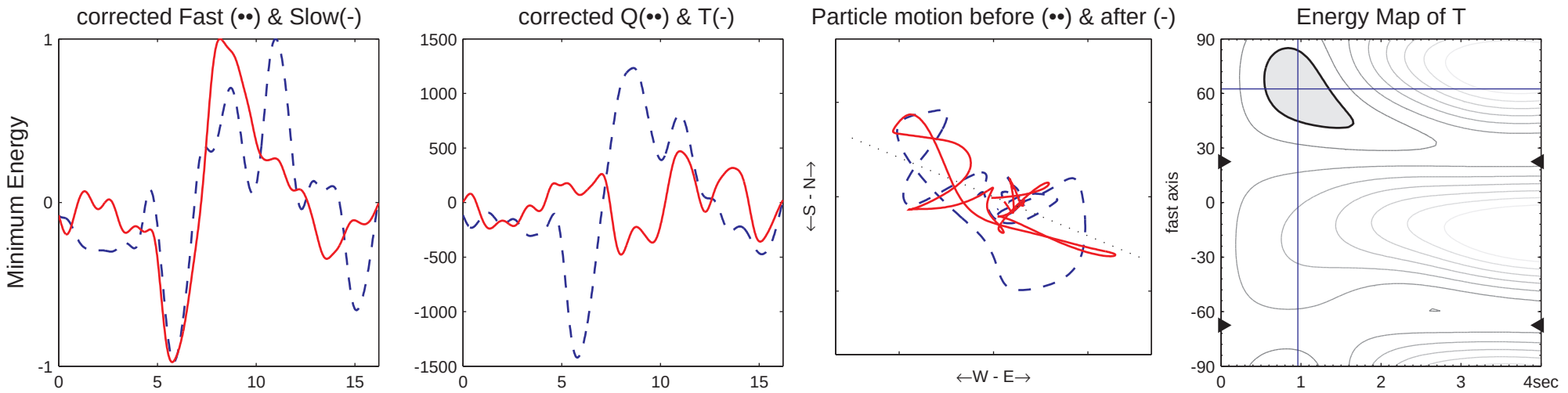
Event: **19-Nov-2008 (324) 06:11 8.27N -82.97E 32km Mw=6.3**
Station: **HDMB** Backazimuth: **292.5”** Distance: **104.68”**
init.Pol.: **121.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.1**

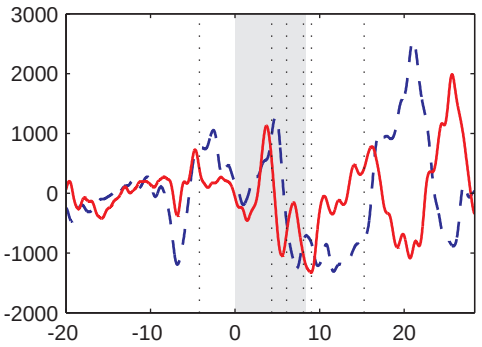
Rotation Correlation:	68<	76° <	85	0.6<0.8s<1.0
Minimum Energy:	41<	63° <	84	0.6<1.0s<1.6
Eigenvalue:	50<	73° <	-86	0.5<0.9s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





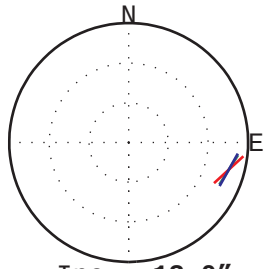




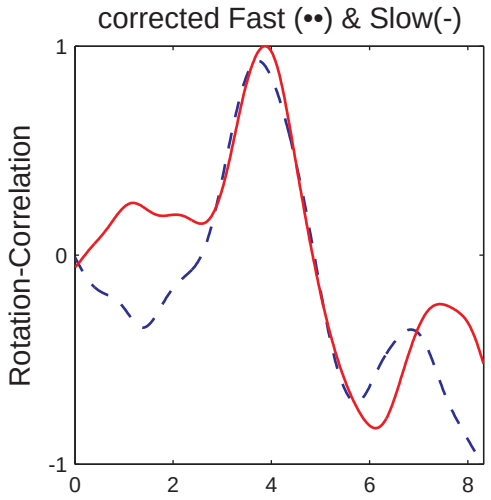
Event: **07-Sep-2009 (250) 16:12 -10.20N 110.63E 23km** Mw=**6.2**
Station: **HDMB** Backazimuth: **105.3”** Distance: **86.84”**
init.Pol.: **255.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.1**

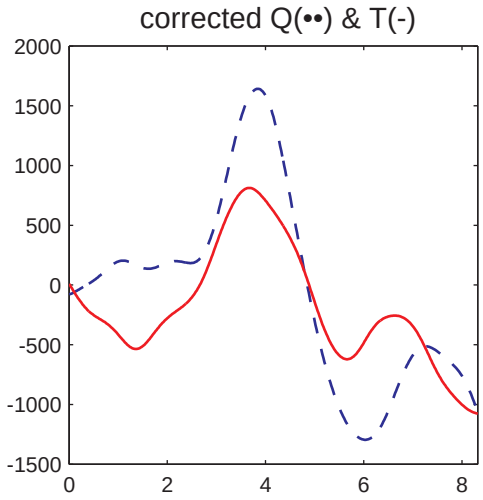
Rotation Correlation:	21<	32° <	44	0.8<1.1s<1.3
Minimum Energy:	27<	47° <	64	0.6<1.2s<1.8
Eigenvalue:	19<	29° <	41	0.9<1.2s<1.4

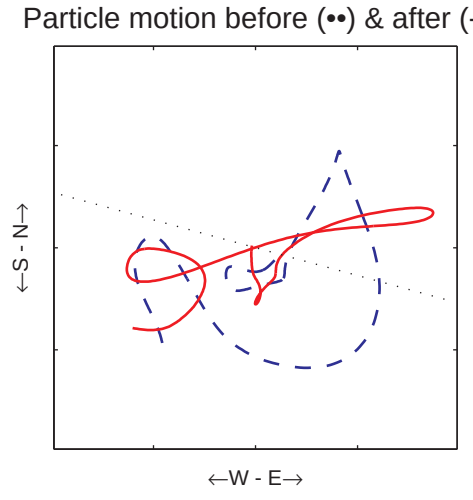
Quality: **fair** IsNull: **No** Phase: **SKKS**

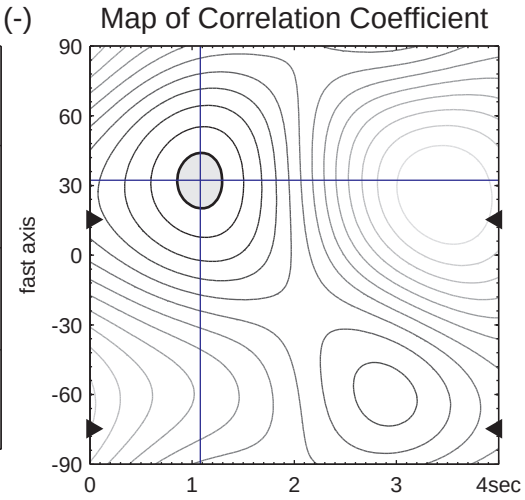


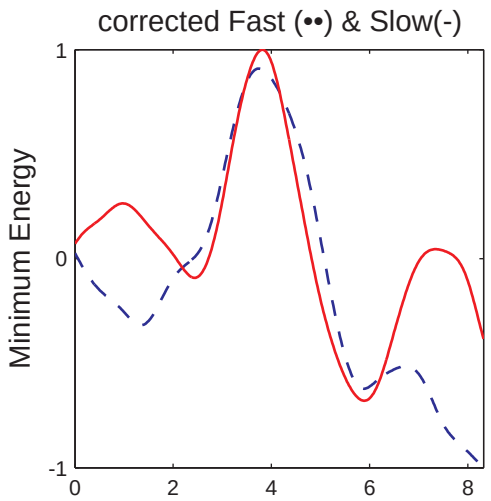
Inc = **13.0”**

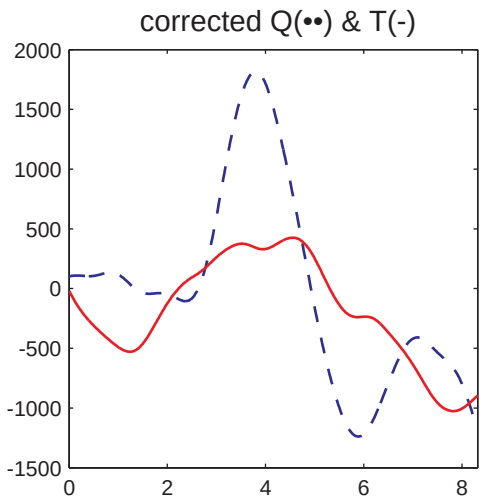


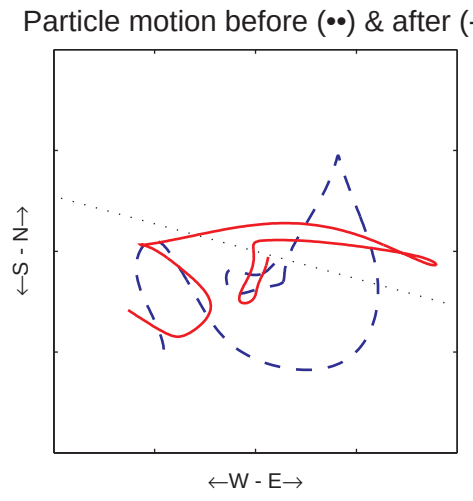


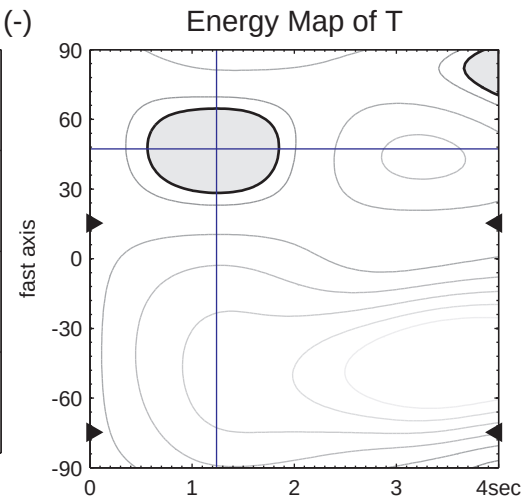


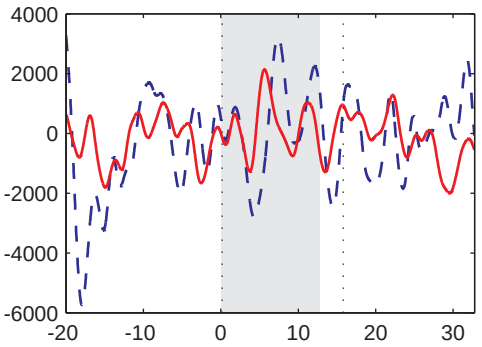








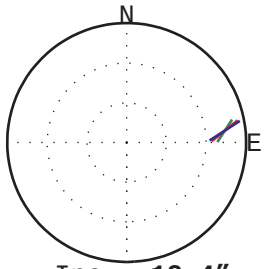




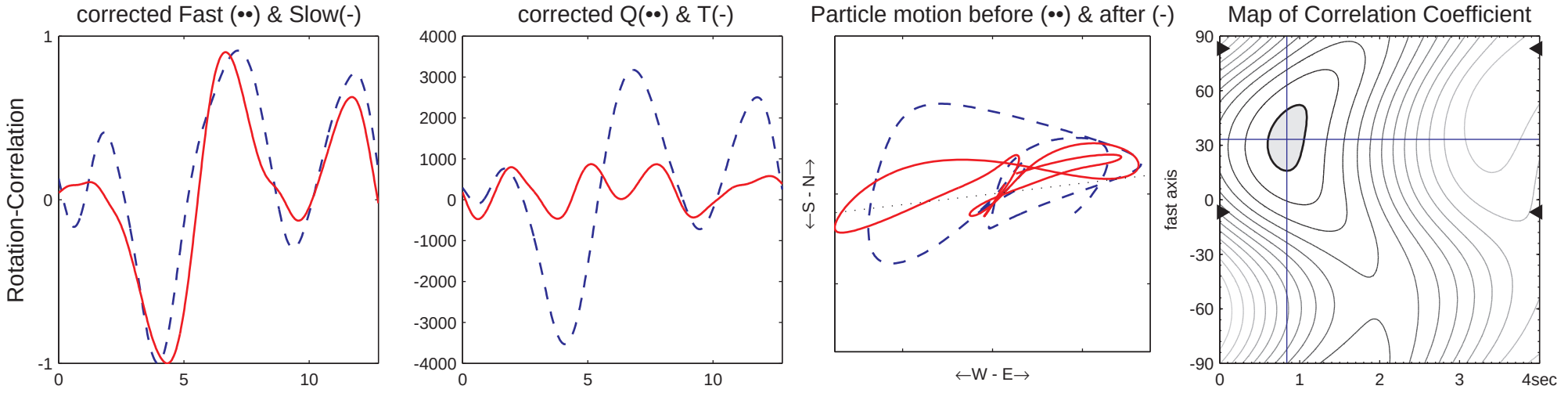
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **HDMB** Backazimuth: **83.2”** Distance: **102.52”**
init.Pol.: **268.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.1**

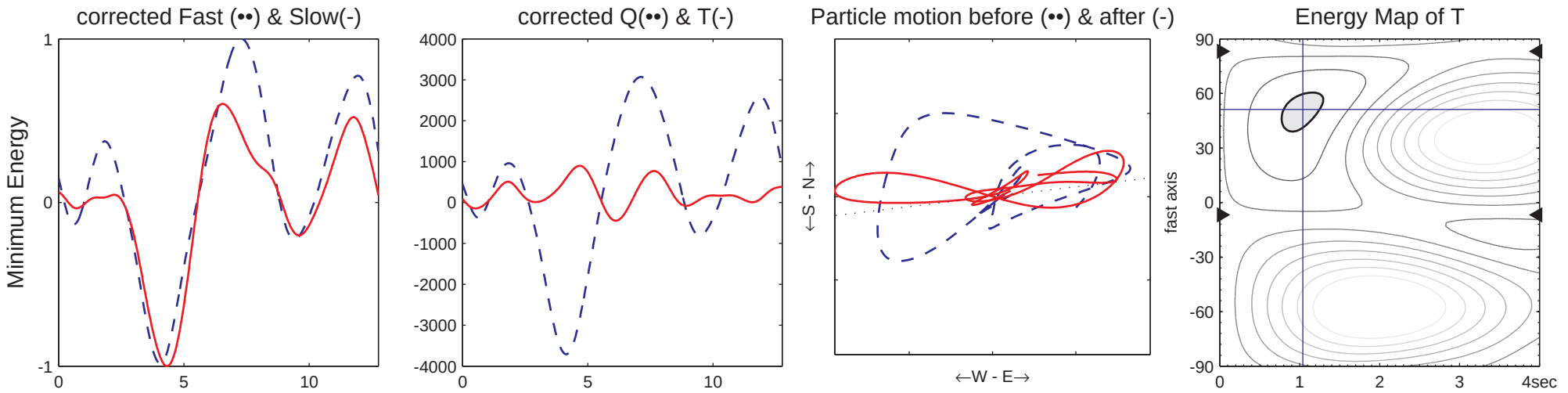
Rotation Correlation:	16<	33° <	52	0.6<0.8s<1.1
Minimum Energy:	39<	51° <	60	0.8<1.0s<1.3
Eigenvalue:	41<	57° <	70	0.8<1.1s<1.4

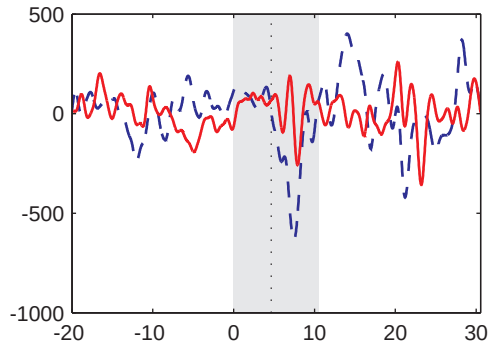
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.4”**



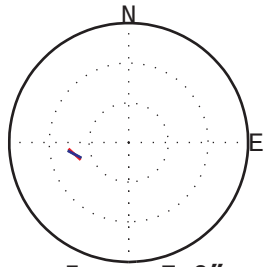


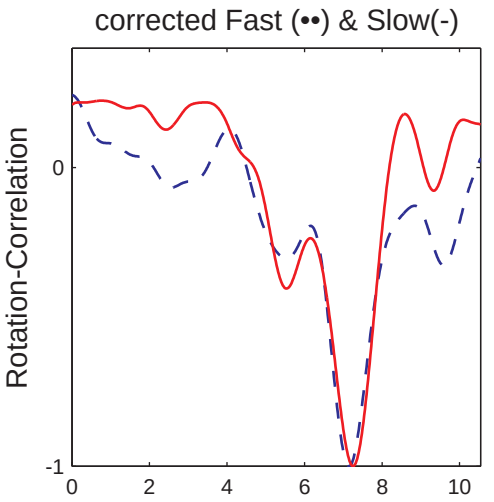


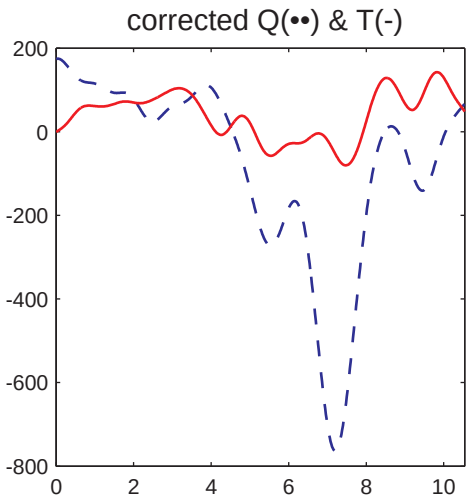
Event: **12-Jul-2010 (193) 00:11 -22.15N -68.22E 115km Mw=6.3**
Station: **HDMB** Backazimuth: **257.7”** Distance: **111.35”**
init.Pol.: **67.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.0**

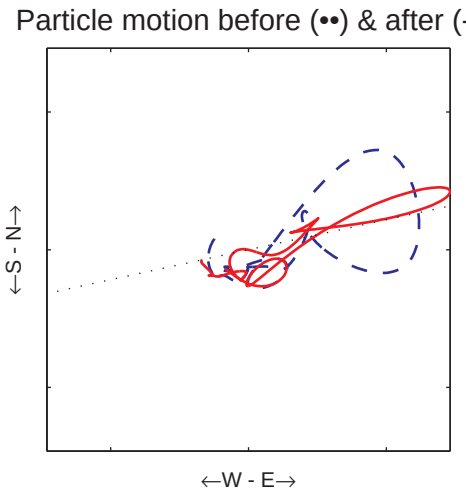
Rotation Correlation:	-67<	-59° <	-53 0.4<0.5s<0.6
Minimum Energy:	-68<	-48° <	-39 0.4<0.5s<0.7
Eigenvalue:	-78<	-62° <	-54 0.4<0.5s<0.6

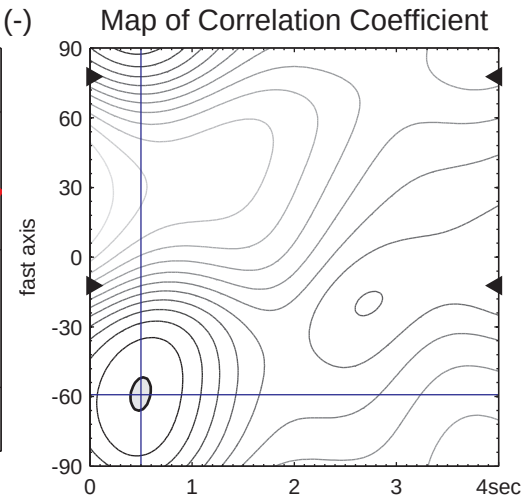
Quality: **fair** IsNull: **No** Phase: **SKS**

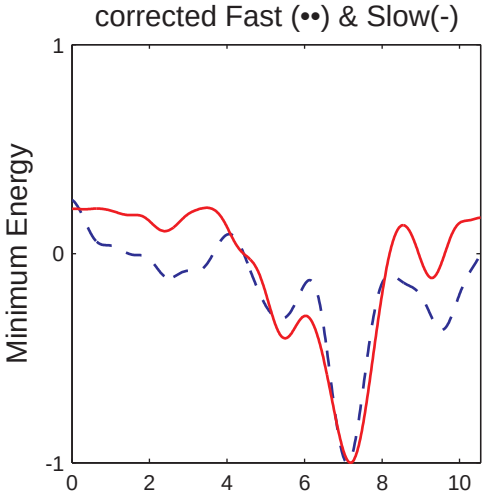


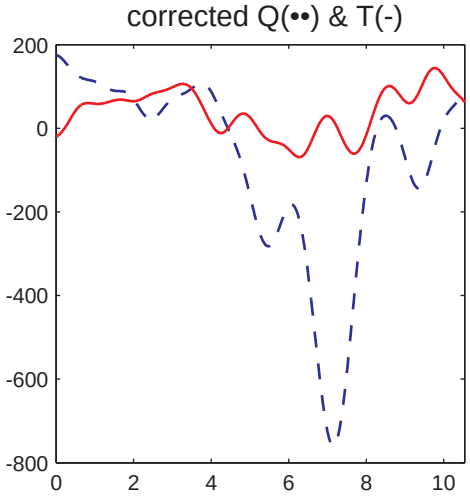


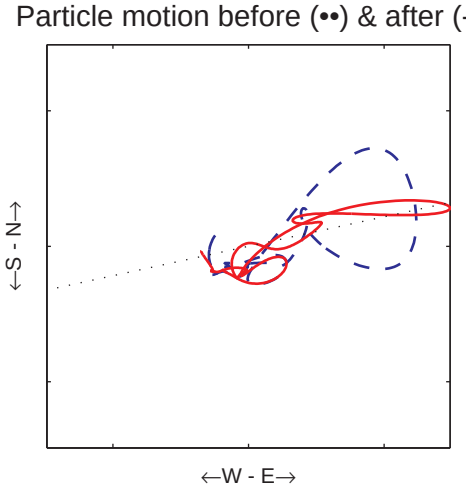


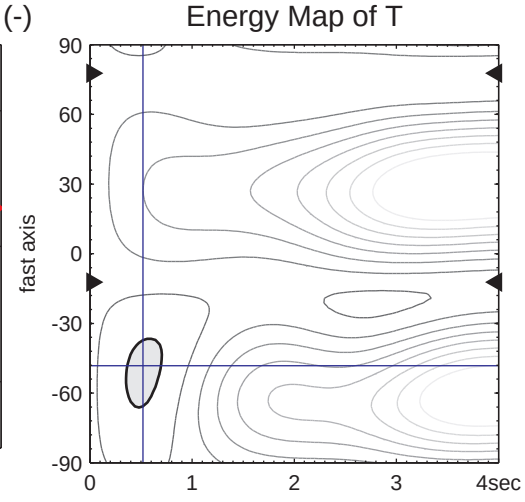


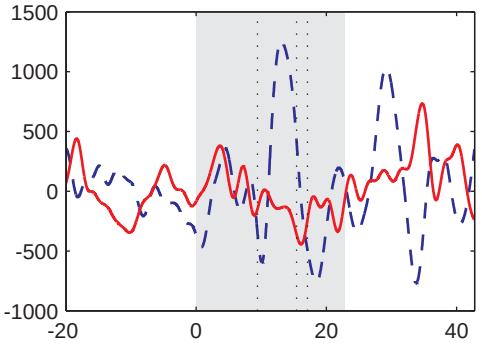








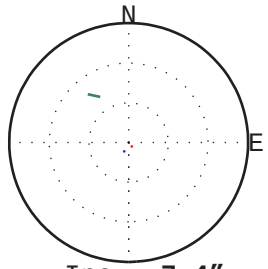




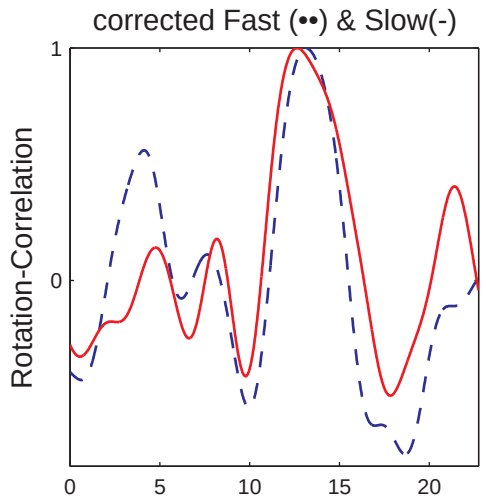
Event: **21-Oct-2010 (294) 17:53 24.70N -109.16E 13km Mw=6.7**
Station: **HDMB** Backazimuth: **323.5”** Distance: **108.54”**
init.Pol.: **160.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.9**

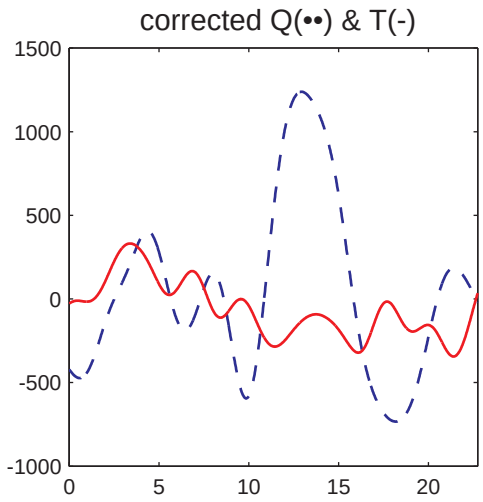
Rotation Correlation:	-91<	-78° < -66	0.0<0.4s<0.8
Minimum Energy:	-Inf<	-36° < Inf	0.0<4.0s<Inf
Eigenvalue:	-41<	-28° < -19	3.2<4.0s<4.0

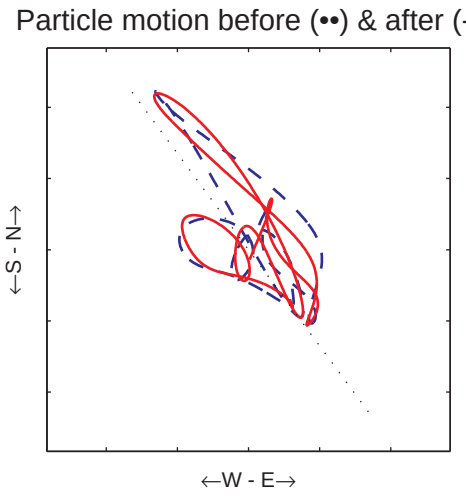
Quality: **good** IsNull: **Yes** Phase: **SKS**

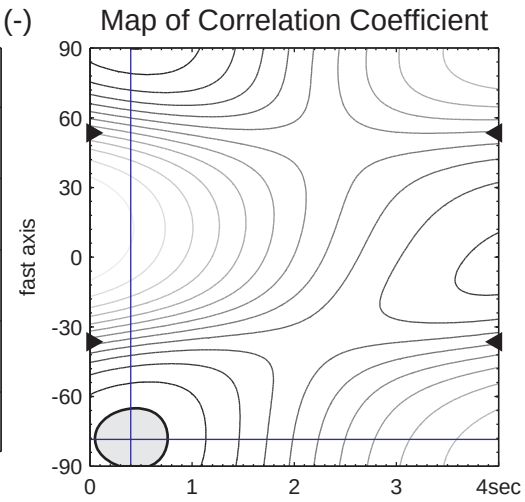


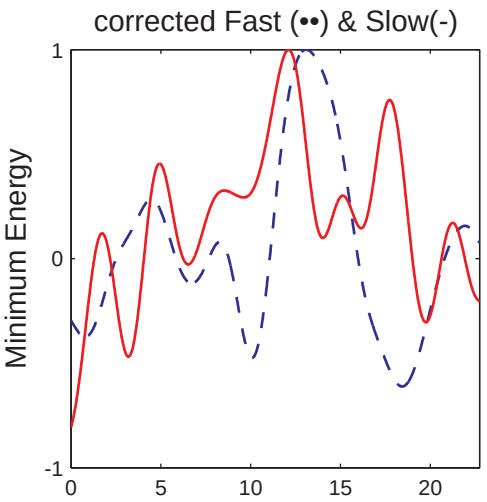
Inc = **7.4”**

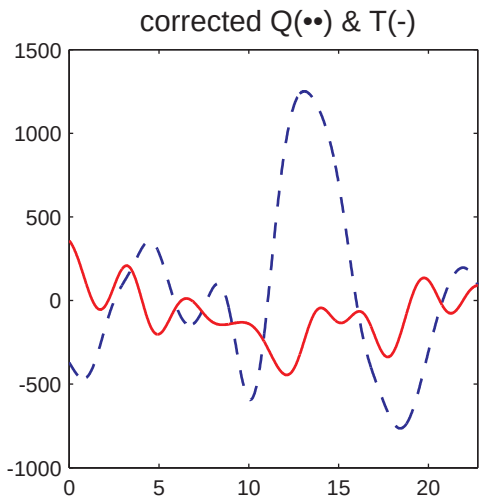


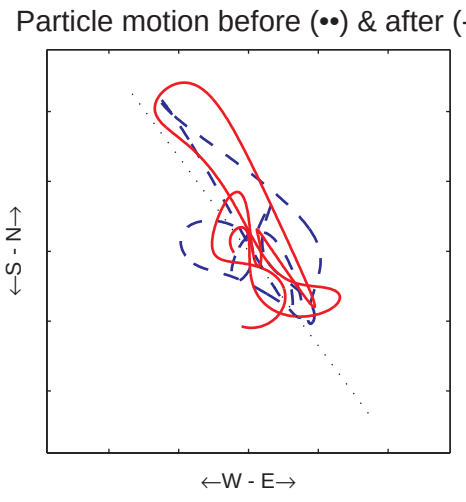


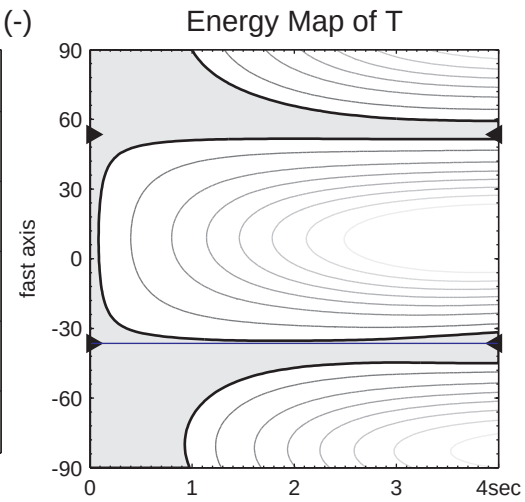


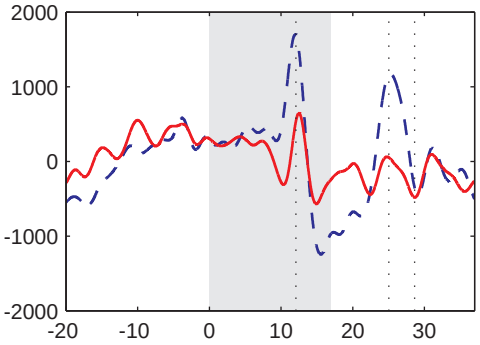








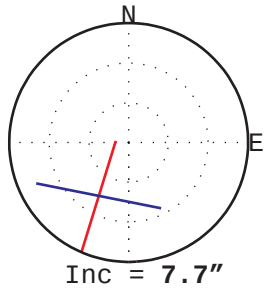


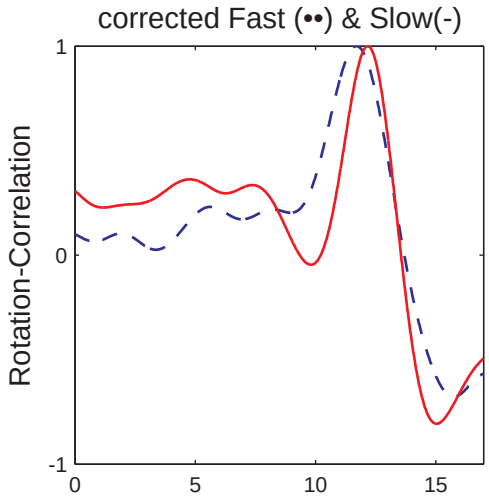


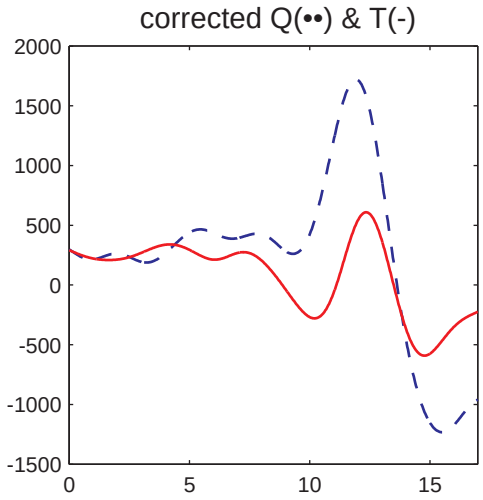
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **HDMB** Backazimuth: **209.2”** Distance: **105.56”**
init.Pol.: **4.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

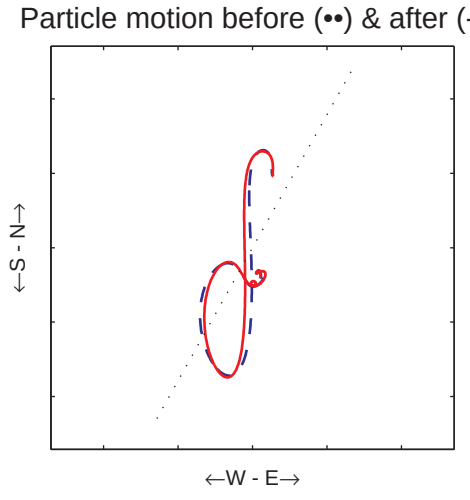
Rotation Correlation:	46<	56° <	68	0.0<0.1s<0.4
Minimum Energy:	13<	17° <	23	2.5<3.6s<4.0
Eigenvalue:	-88<	-79° <	-76	3.4<4.0s<4.0

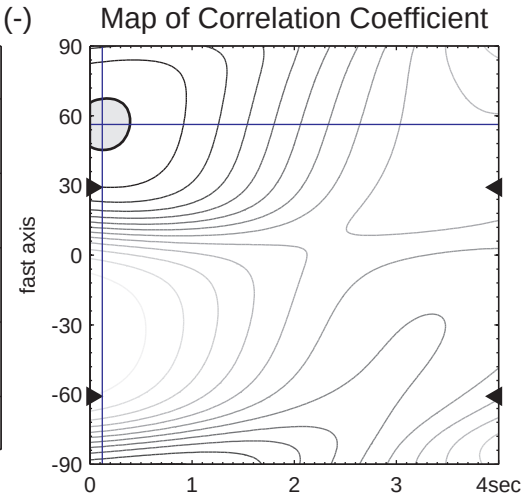
Quality: **good** IsNull: **Yes** Phase: **SKS**

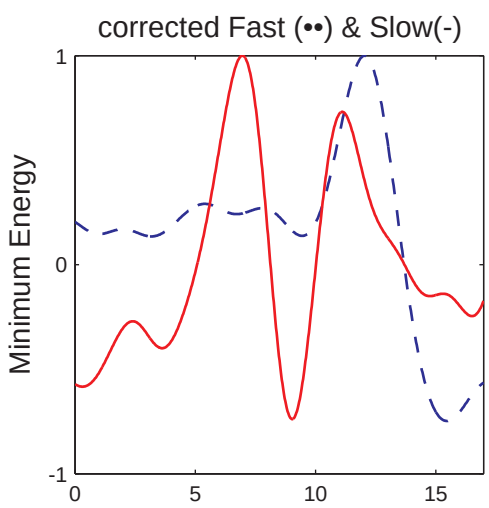


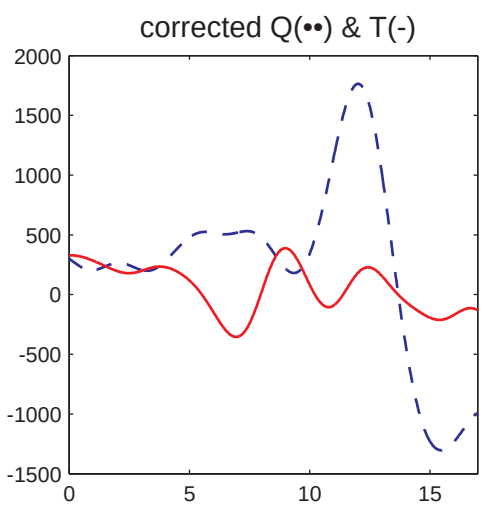


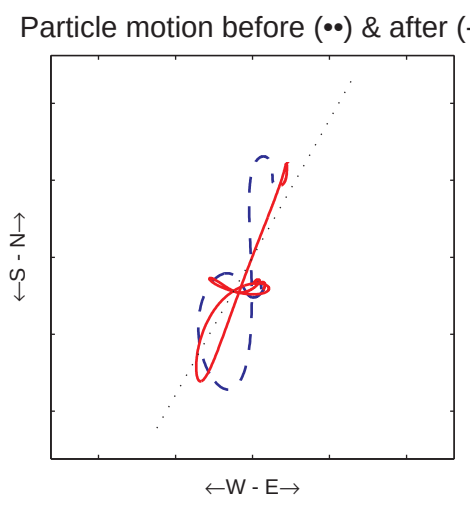


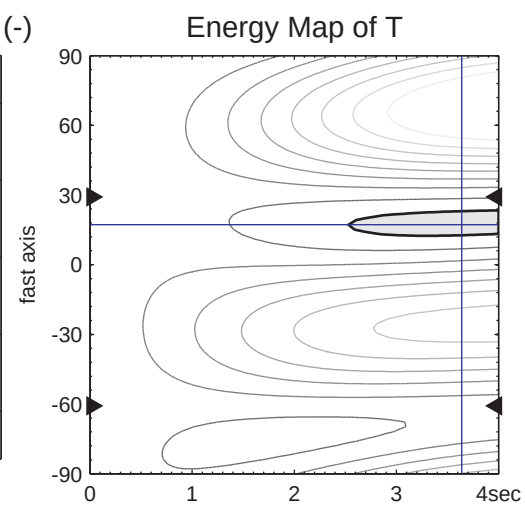


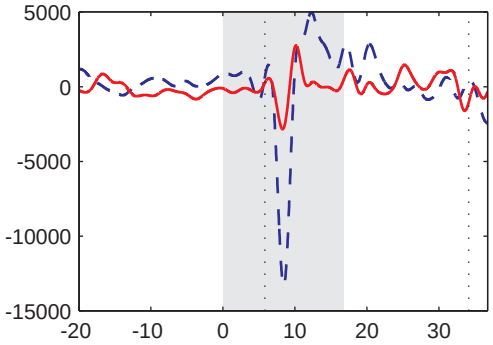








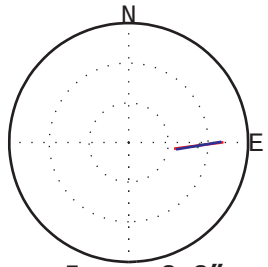




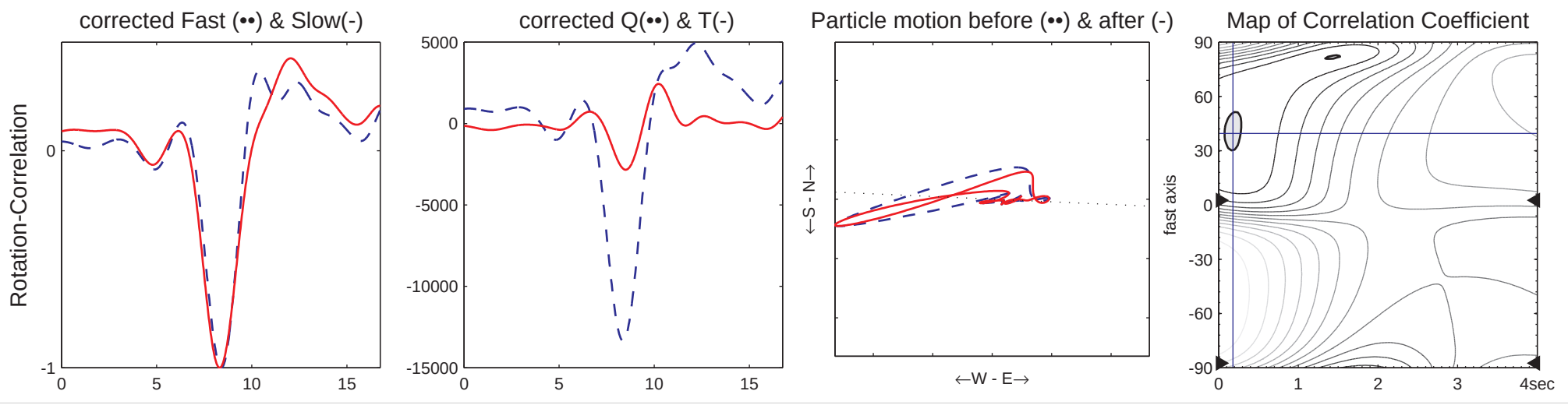
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **HDMB** Backazimuth: **92.5”** Distance: **97.22”**
init.Pol.: **269.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**22.4**

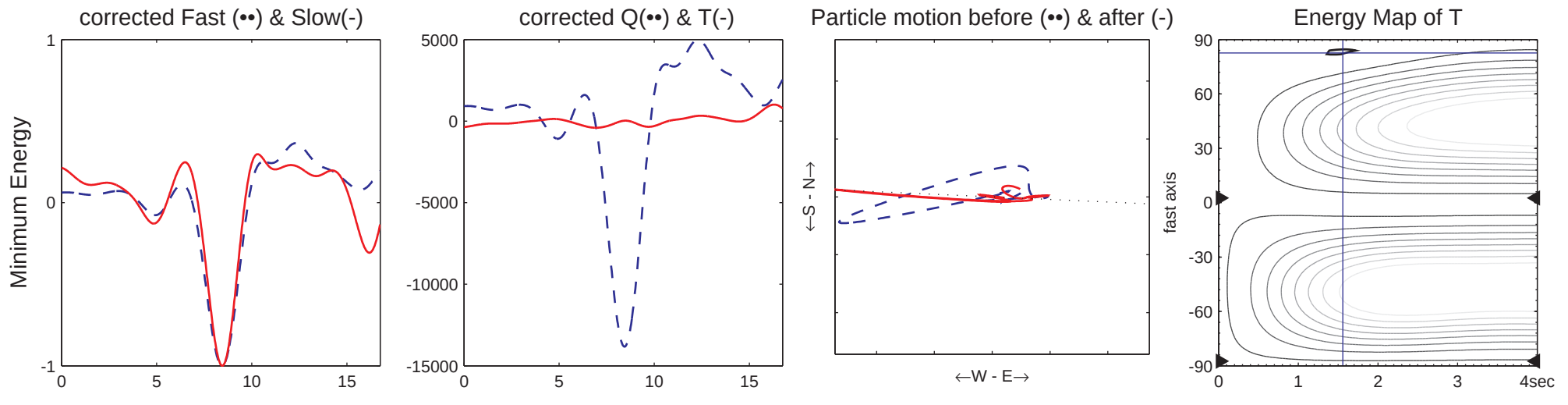
Rotation Correlation:	30<	40° <	52	0.1<0.2s<0.3
Minimum Energy:	82<	83° <	84	1.4<1.6s<1.7
Eigenvalue:	80<	81° <	82	1.2<1.4s<1.6

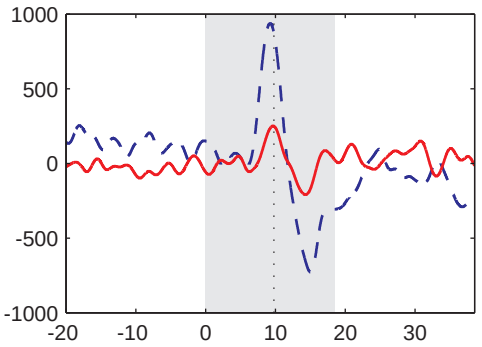
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **8.8”**



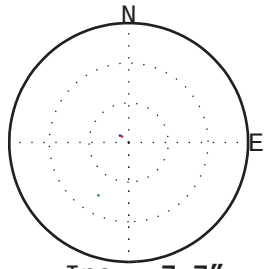




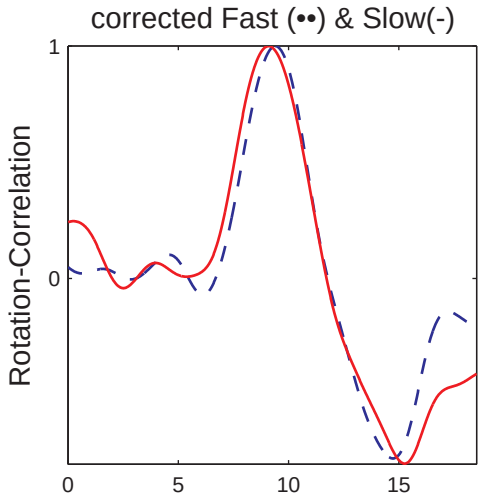
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **HDMB** Backazimuth: **209.6”** Distance: **106.02”**
init.Pol.: **26.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.0**

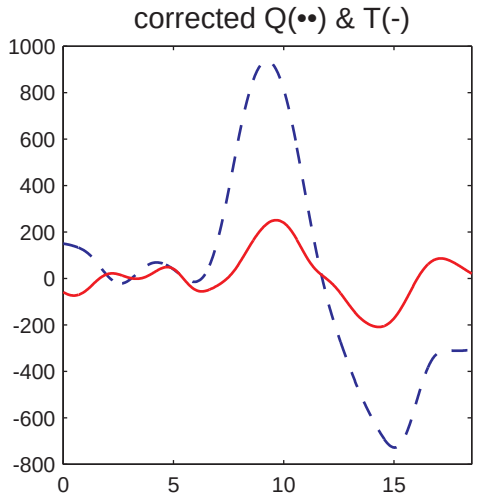
Rotation Correlation:	-43<	-26° < -11	0.0<0.0s<0.2
Minimum Energy:	17<	22° < 23	3.1<4.0s<4.0
Eigenvalue:	15<	20° < 23	2.8<4.0s<4.0

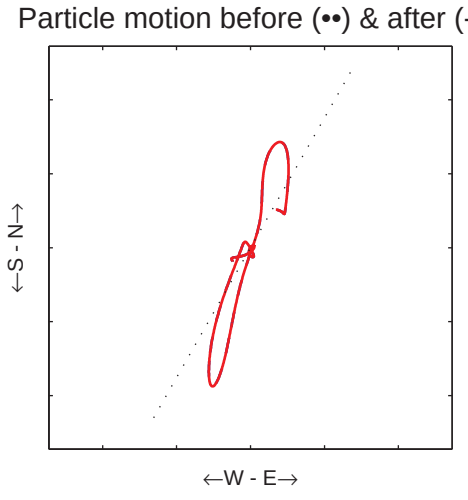
Quality: **good** IsNull: **Yes** Phase: **SKS**

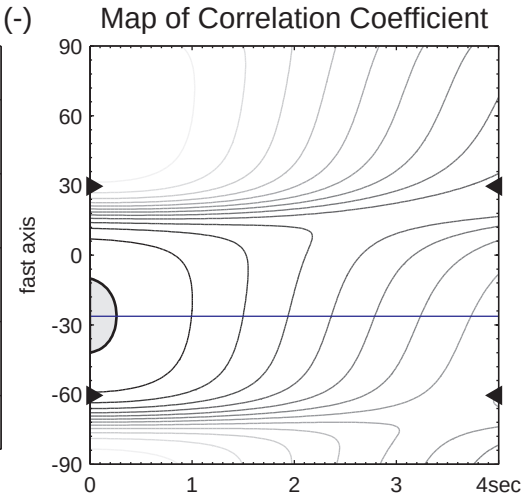


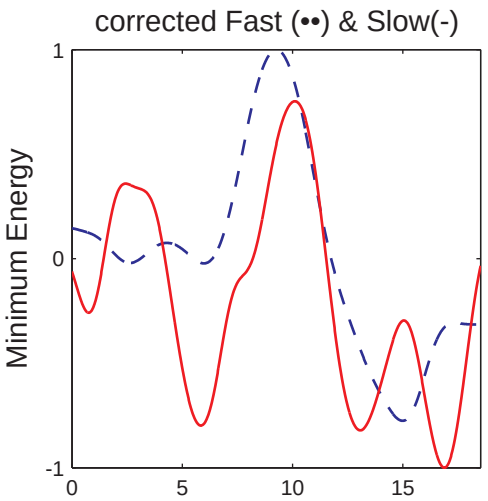
Inc = **7.7”**

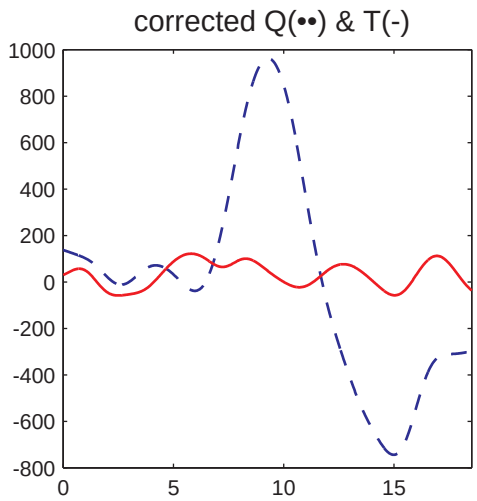


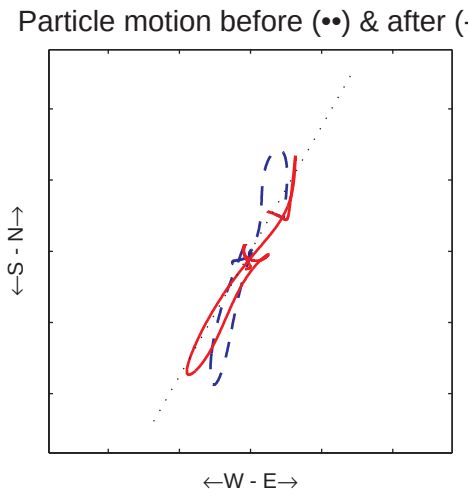


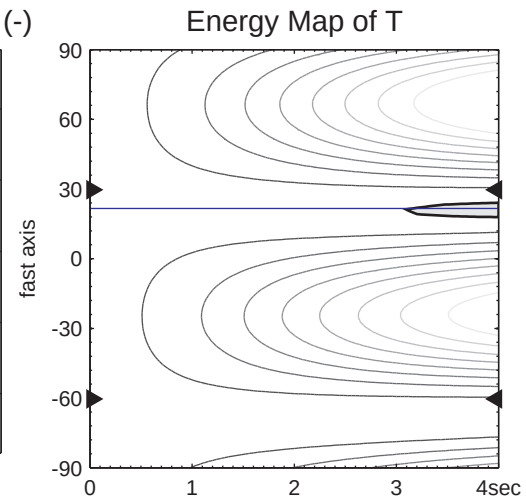


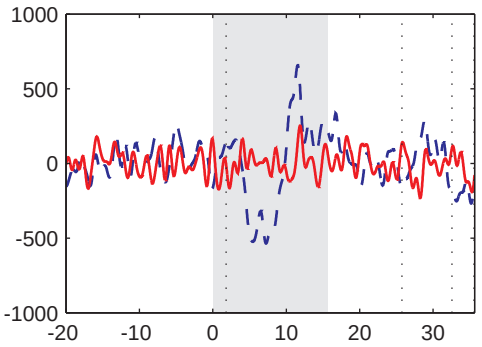








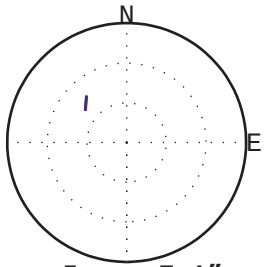


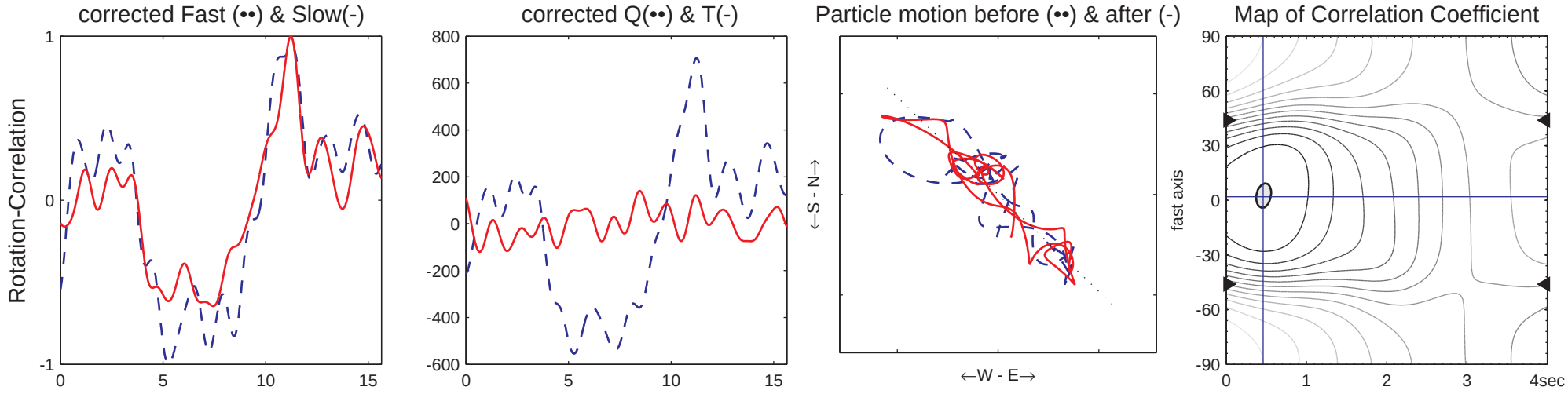


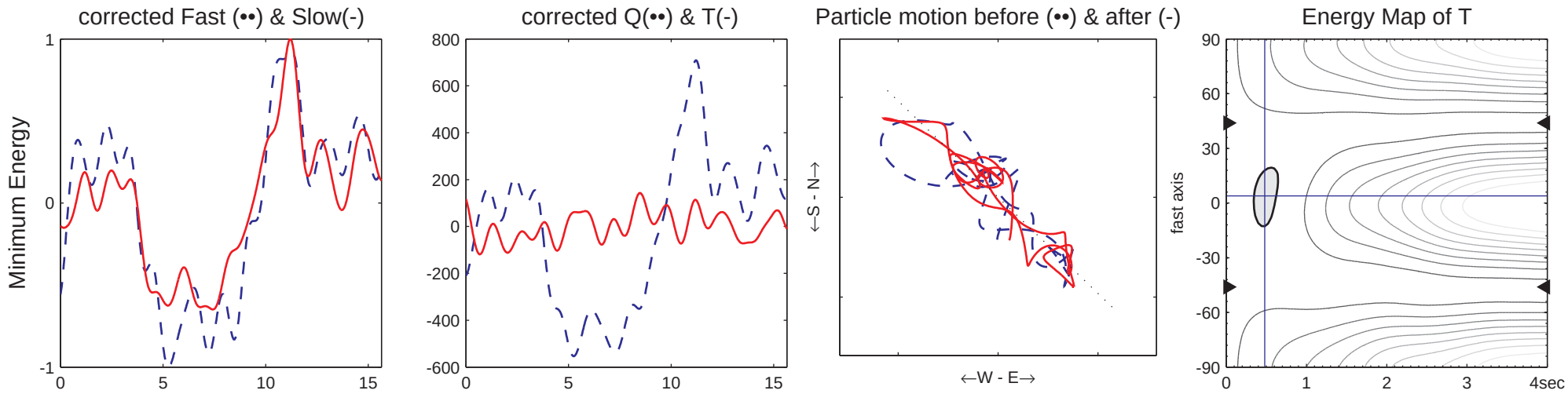
Event: **11-Aug-2006 (223) 14:30 18.55N -100.96E 60km Mw=6.1**
Station: **IKL** Backazimuth: **314.0”** Distance: **110.44”**
init.Pol.: **134.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.9**

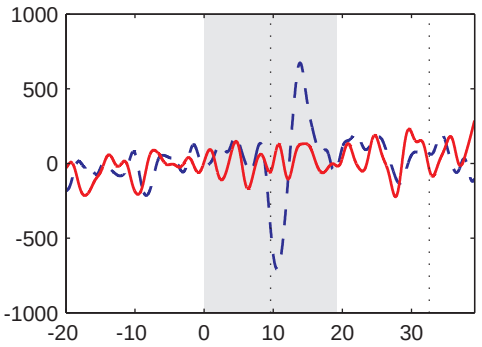
Rotation Correlation:	-5<	2° <	10	0.4<0.5s<0.6
Minimum Energy:	-13<	4° <	19	0.4<0.5s<0.6
Eigenvalue:	-13<	6° <	21	0.4<0.5s<0.6

Quality: **good** IsNull: **No** Phase: **SKS**





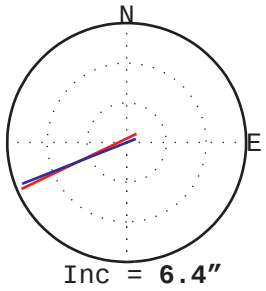


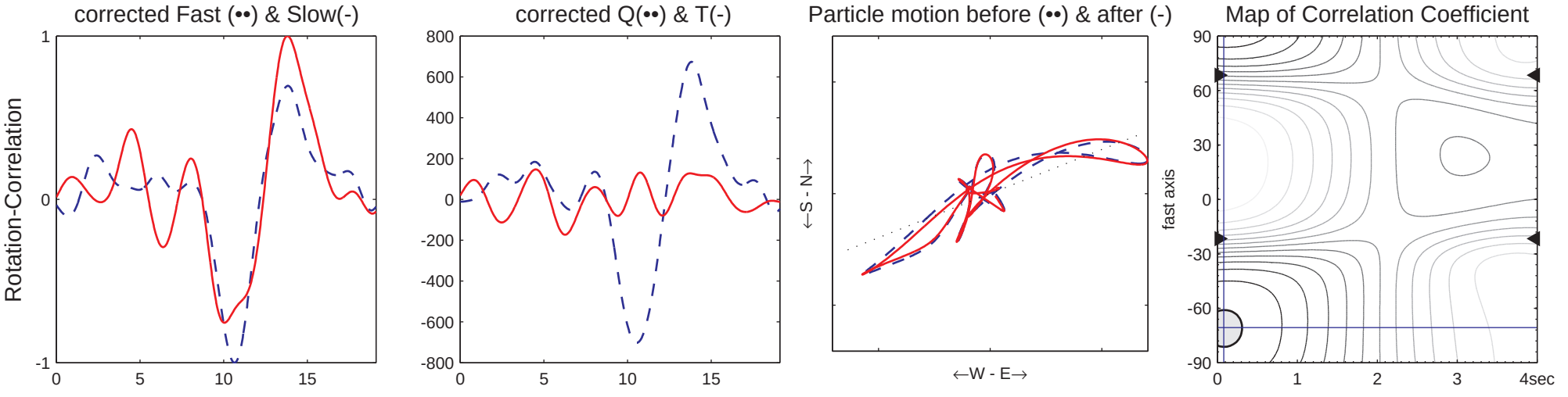


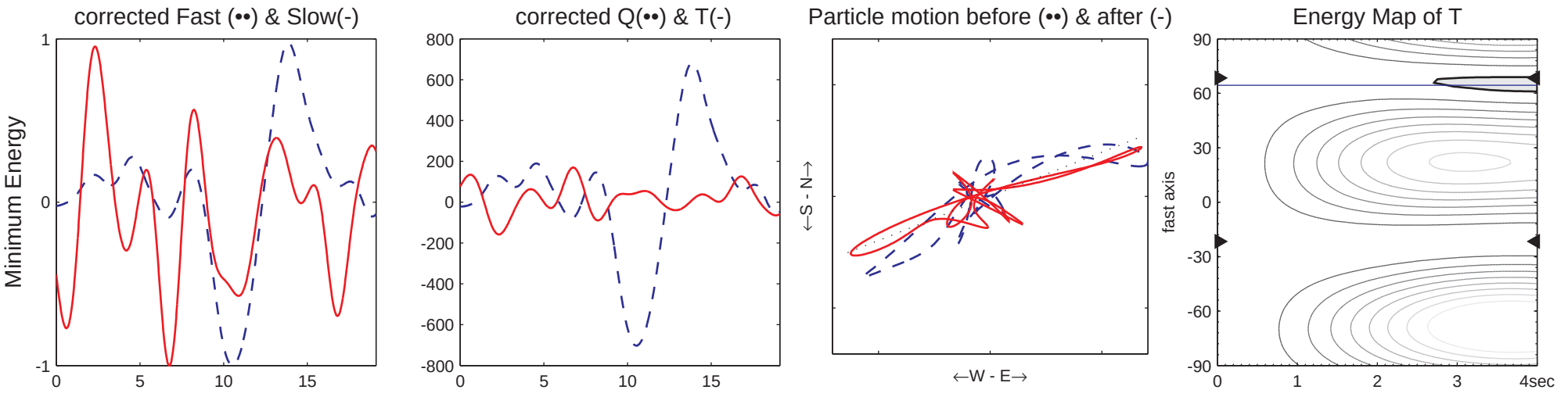
Event: **17-Sep-2006 (260) 09:34 -31.73N -67.00E 141km** Mw=**6.2**
Station: **IKL** Backazimuth: **248.4”** Distance: **115.98”**
init.Pol.: **77.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

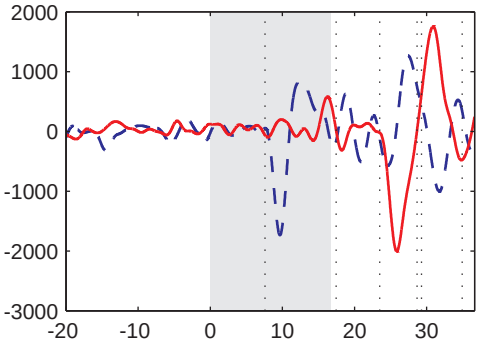
Rotation Correlation:	-82<	-71° < -62	0.0<0.1s<0.3
Minimum Energy:	62<	64° < 70	2.7<4.0s<4.0
Eigenvalue:	62<	68° < 76	3.0<3.8s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





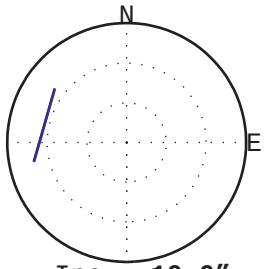




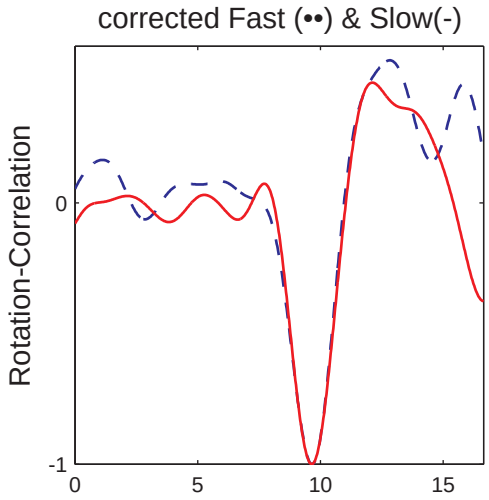
Event: **29-Sep-2006 (272) 13:08 10.91N -61.65E 53km Mw=6.0**
Station: **IKL** Backazimuth: **281.9”** Distance: **87.81”**
init.Pol.: **101.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

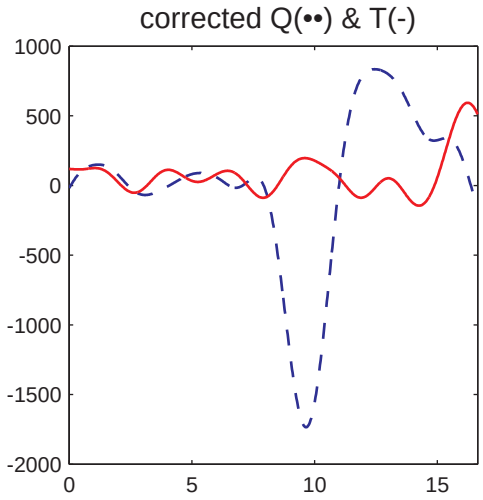
Rotation Correlation:	54<	61° <	71	0.0<0.0s<0.2
Minimum Energy:	-Inf<	16° <	Inf	0.0<2.4s<Inf
Eigenvalue:	-Inf<	16° <	Inf	0.0<2.4s<Inf

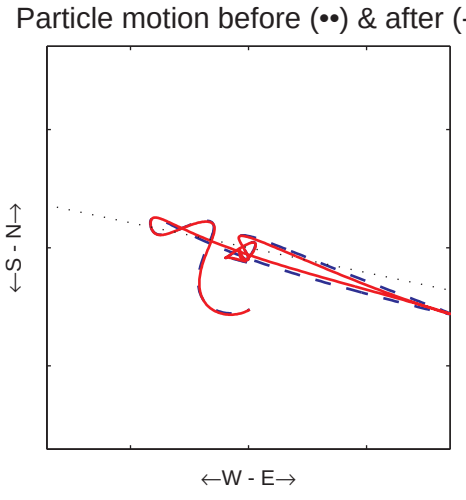
Quality: **good** IsNull: **Yes** Phase: **SKS**

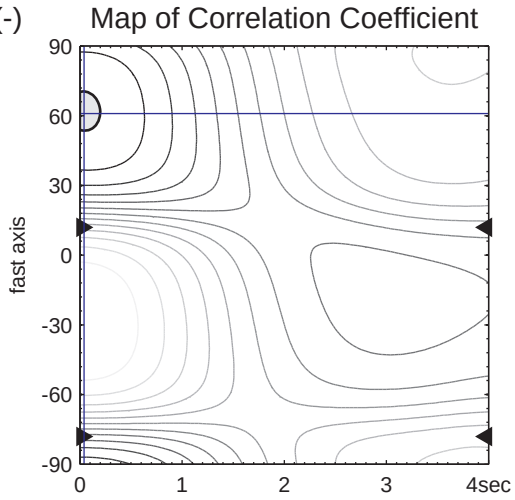


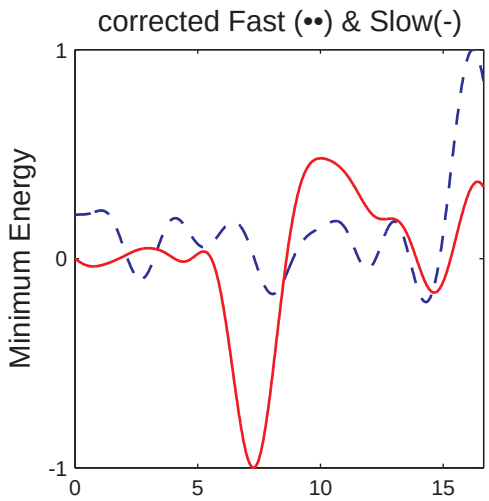
Inc = **10.6”**

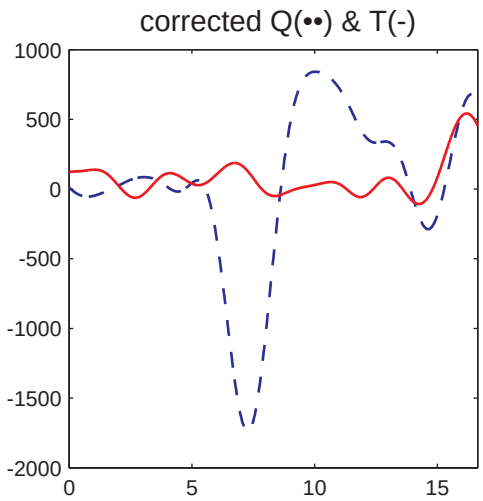


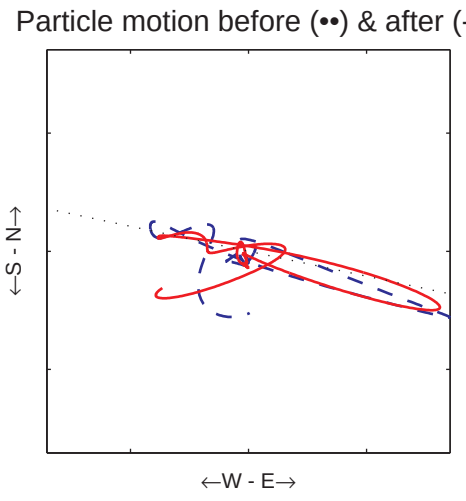


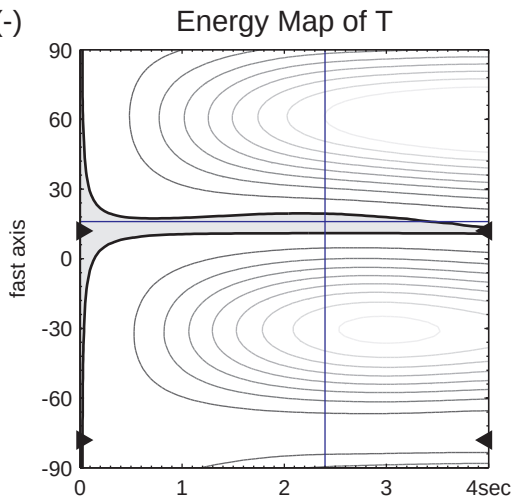


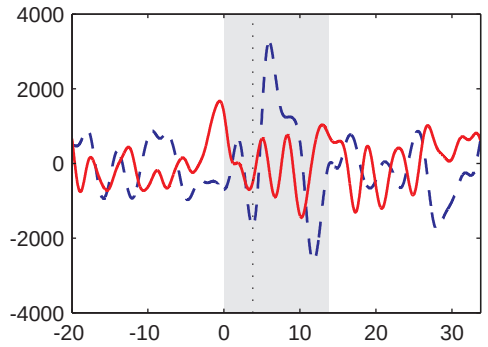








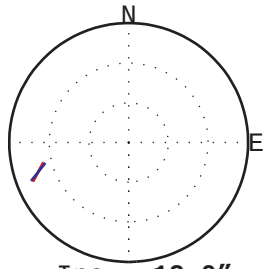




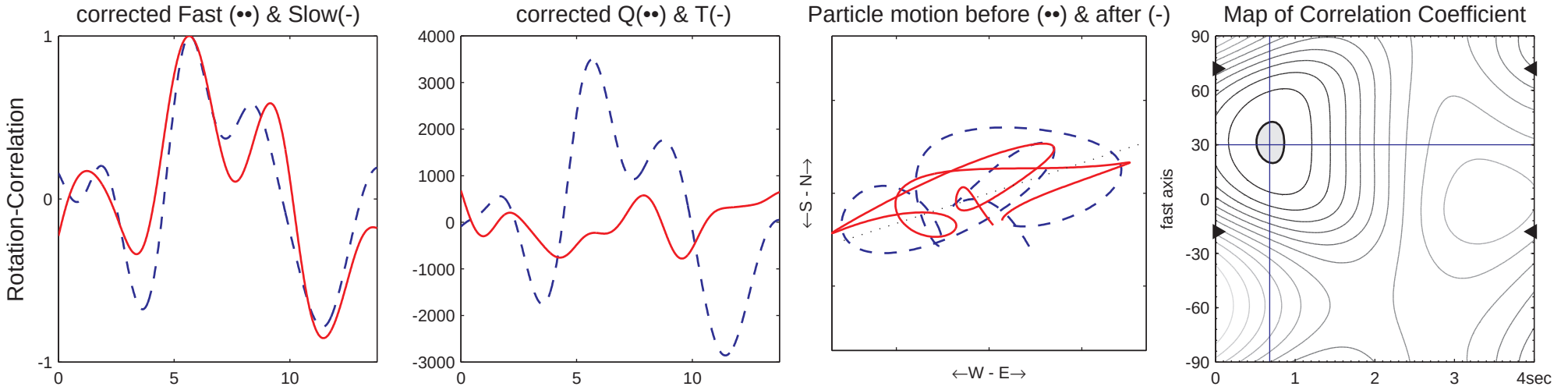
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km Mw=6.8**
Station: **IKL** Backazimuth: **252.0”** Distance: **110.28”**
init.Pol.: **77.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

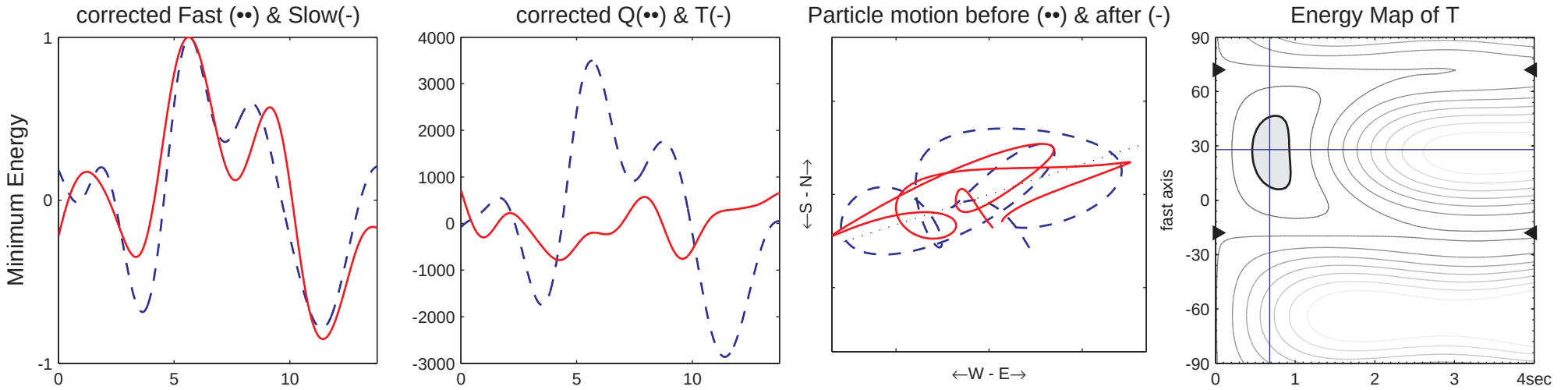
Rotation Correlation:	20<	30° <	43	0.5<0.7s<0.9
Minimum Energy:	5<	28° <	48	0.5<0.7s<1.0
Eigenvalue:	9<	38° <	60	0.5<0.7s<1.0

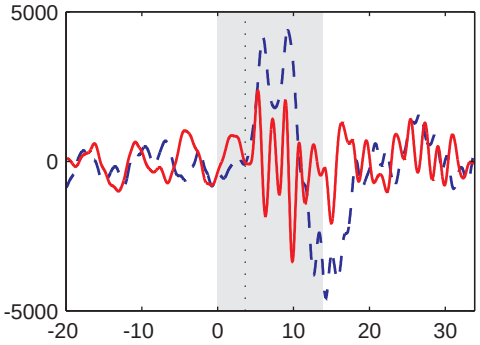
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



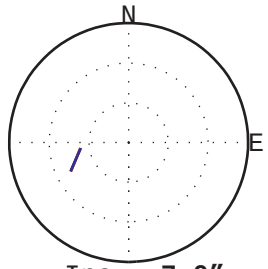




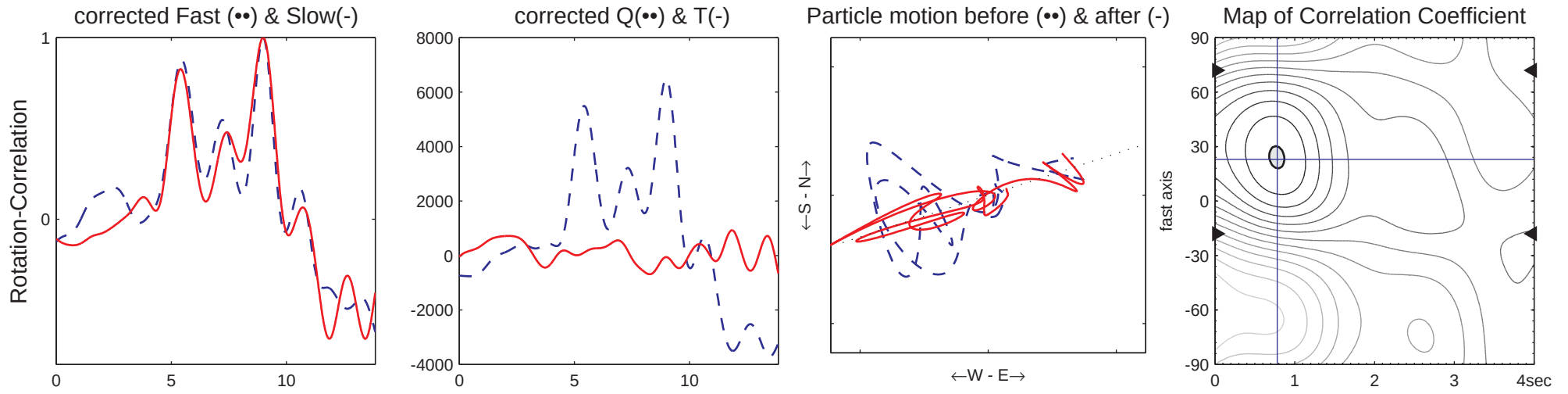
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km Mw=6.8**
Station: **IKL** Backazimuth: **252.0”** Distance: **110.28”**
init.Pol.: **74.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.2**

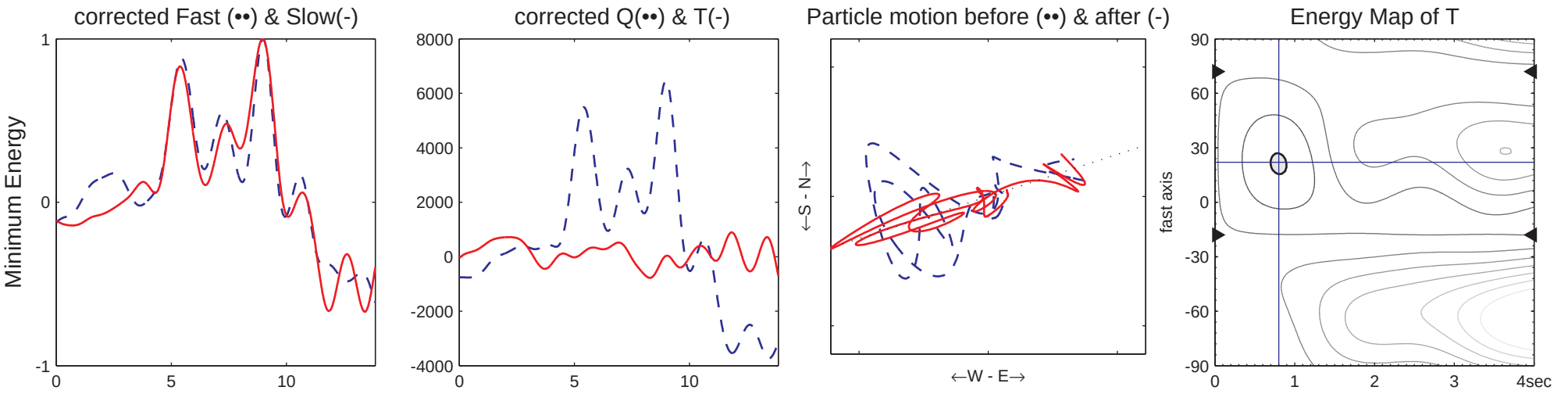
Rotation Correlation:	18<	23° <	31	0.7<0.8s<0.9
Minimum Energy:	15<	22° <	27	0.7<0.8s<0.9
Eigenvalue:	17<	24° <	29	0.7<0.8s<0.9

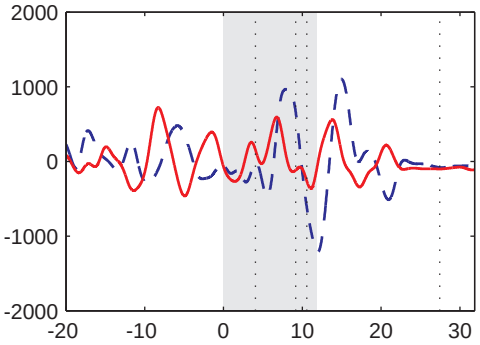
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



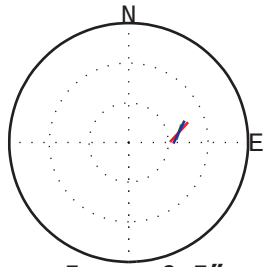




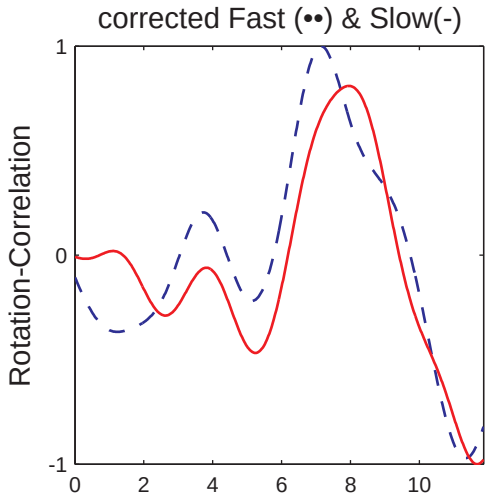
Event: **13-Nov-2006 (317) 16:12 -6.38N 151.23E 11km Mw=6.2**
Station: **IKL** Backazimuth: **78.3”** Distance: **115.87”**
init.Pol.: **251.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

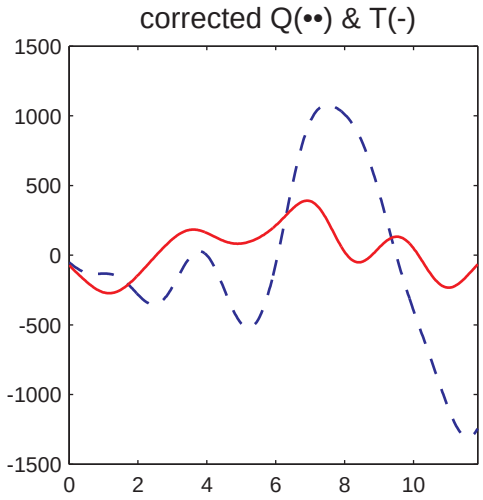
Rotation Correlation:	-1<	18° <	39	0.1<0.5s<0.9
Minimum Energy:	13<	42° <	64	0.4<0.8s<1.4
Eigenvalue:	-17<	26° <	70	0.4<0.8s<1.8

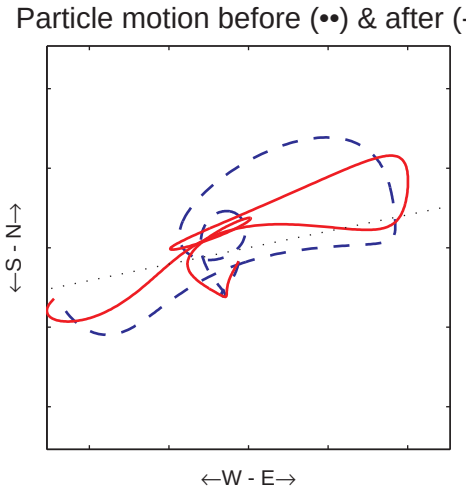
Quality: **fair** IsNull: **No** Phase: **SKS**

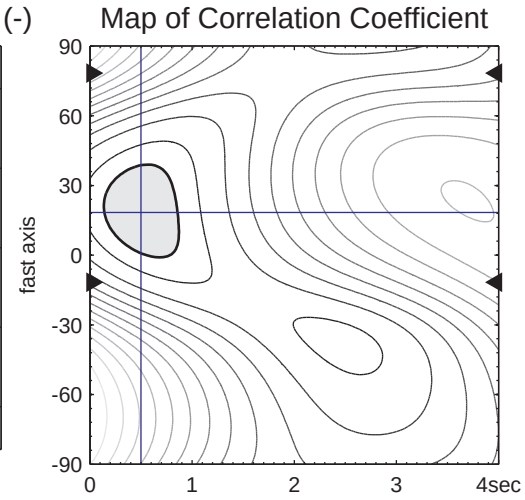


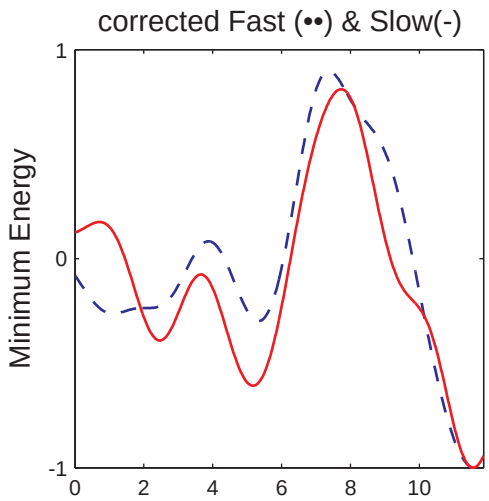
Inc = **6.5”**

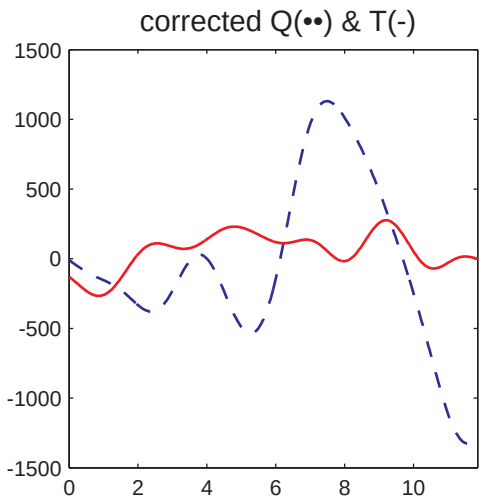


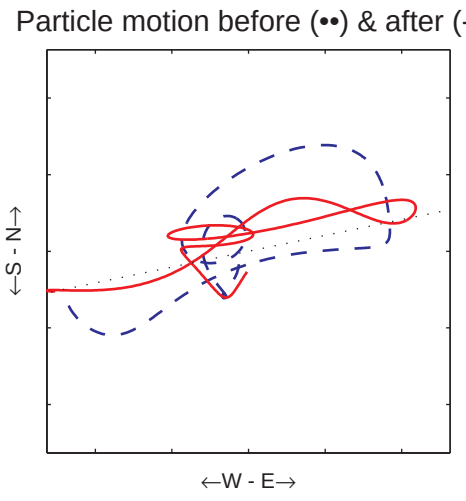


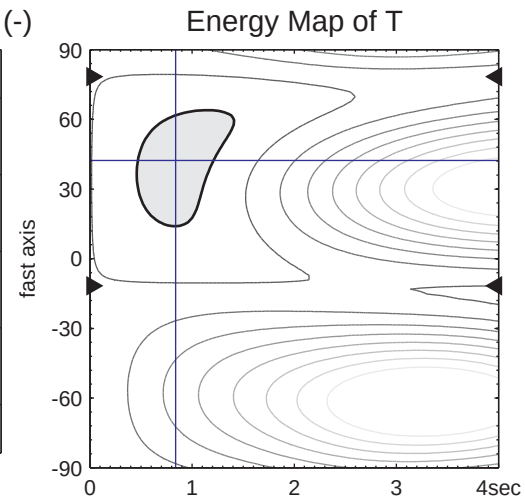


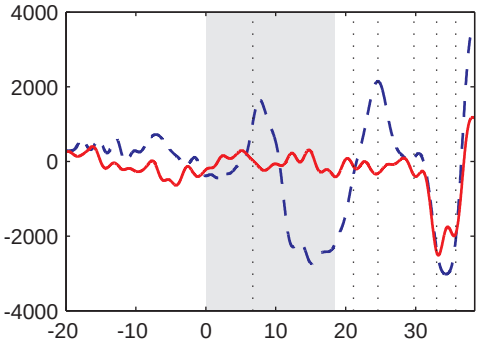








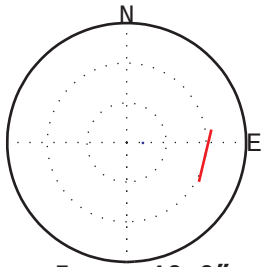




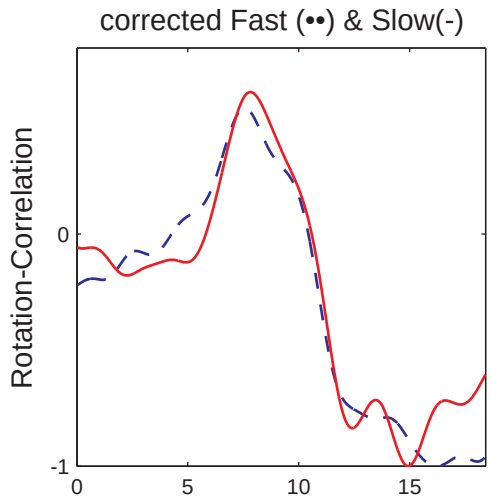
Event: **01-Dec-2006 (335) 14:01 -8.25N 118.78E 43km Mw=6.3**
Station: **IKL** Backazimuth: **99.5”** Distance: **90.95”**
init.Pol.: **277.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

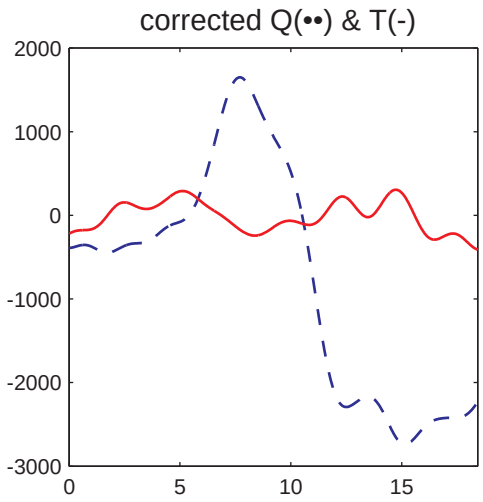
Rotation Correlation:	33<	55° <	80	0.0<0.0s<0.4
Minimum Energy:	-Inf<	14° <	Inf	0.0<1.7s<Inf
Eigenvalue:	-Inf<	-78° <	Inf	0.0<4.0s<Inf

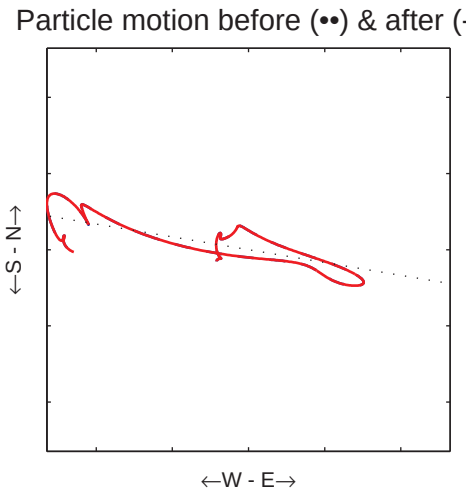
Quality: **good** IsNull: **Yes** Phase: **SKS**

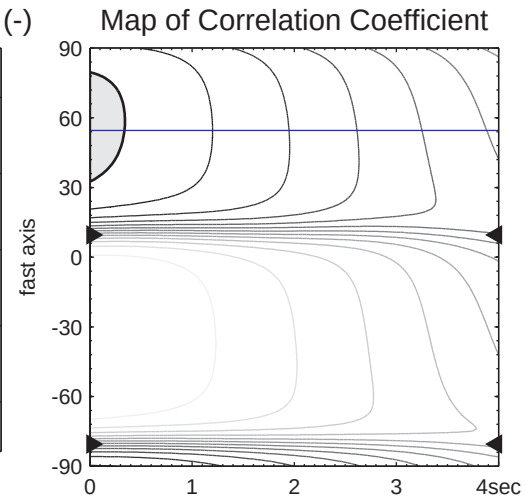


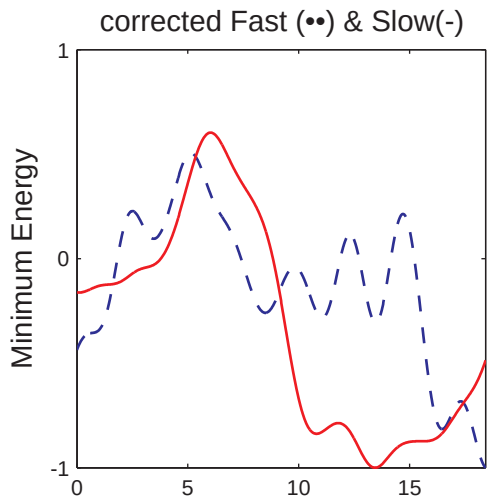
Inc = **10.0”**

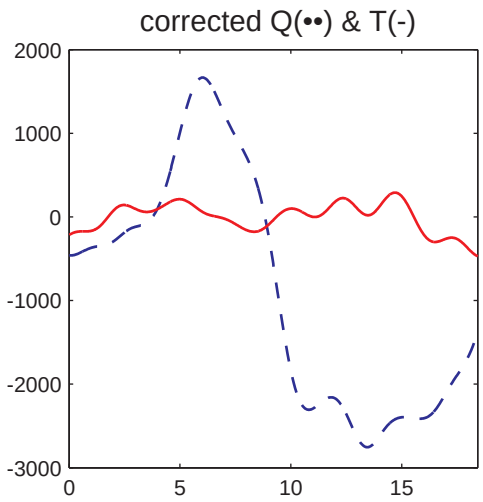


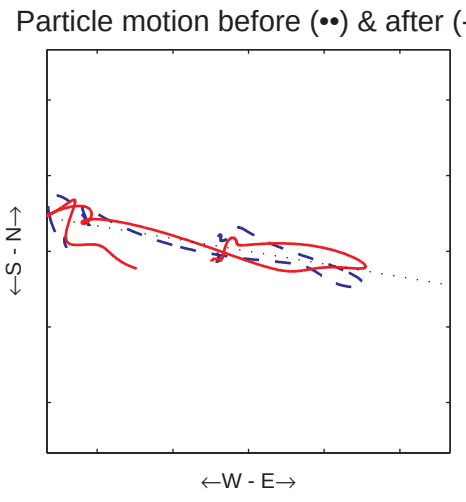


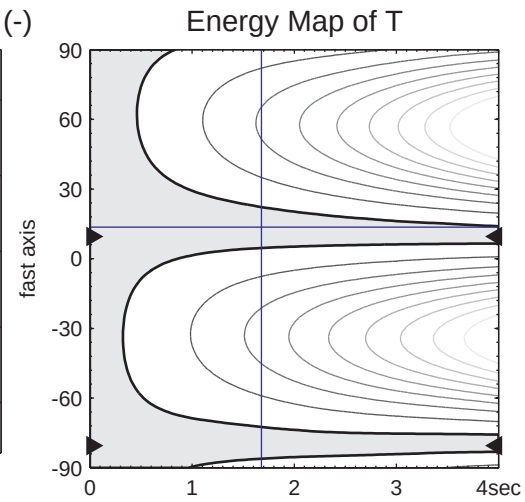


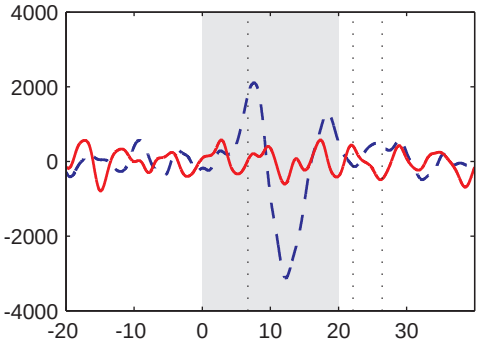








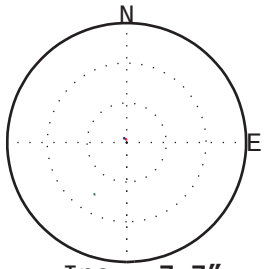




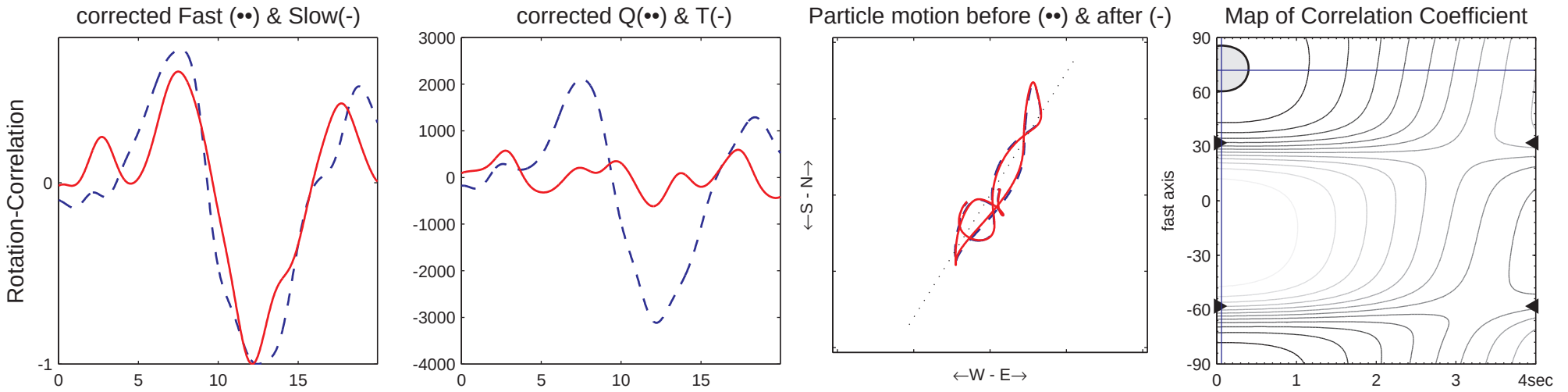
Event: **28-Feb-2007 (059) 23:13 -55.17N -29.18E 35km Mw=6.2**
Station: **IKL** Backazimuth: **211.9”** Distance: **105.97”**
init.Pol.: **29.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

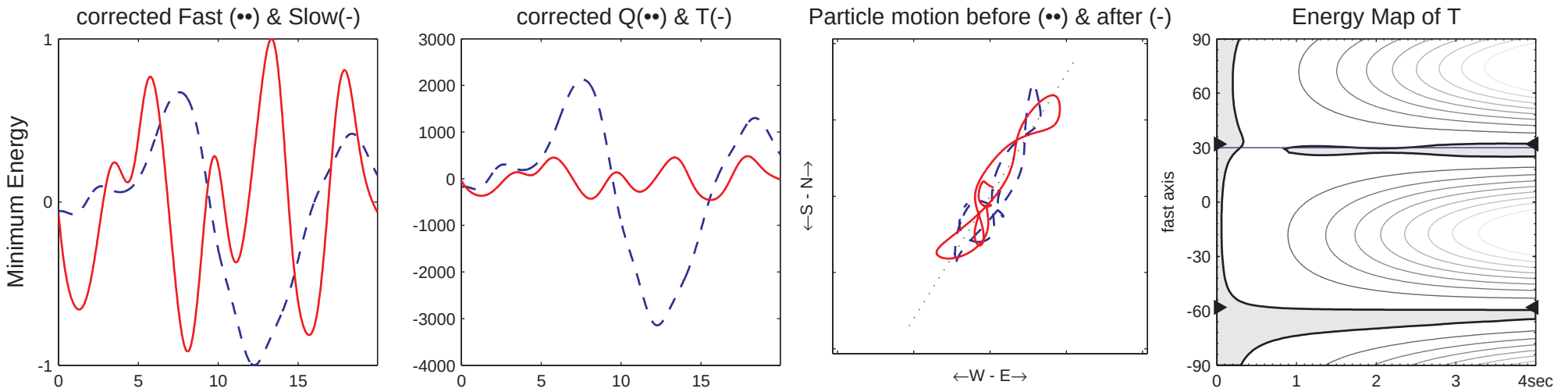
Rotation Correlation:	61<	72° <	86	0.0<0.1s<0.4
Minimum Energy:	-60<	30° <	-66	0.0<4.0s<4.0
Eigenvalue:	-Inf<	28° <	Inf	0.0<4.0s<Inf

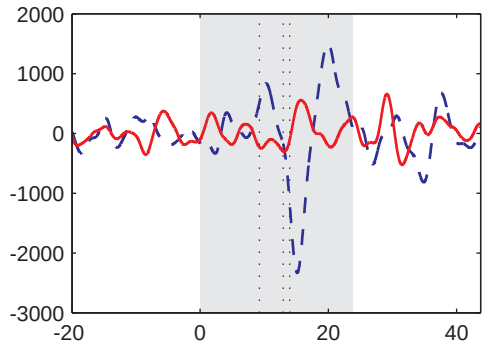
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.7”**



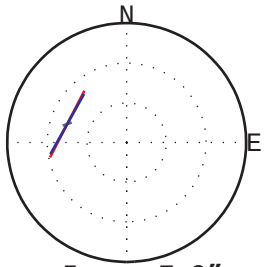


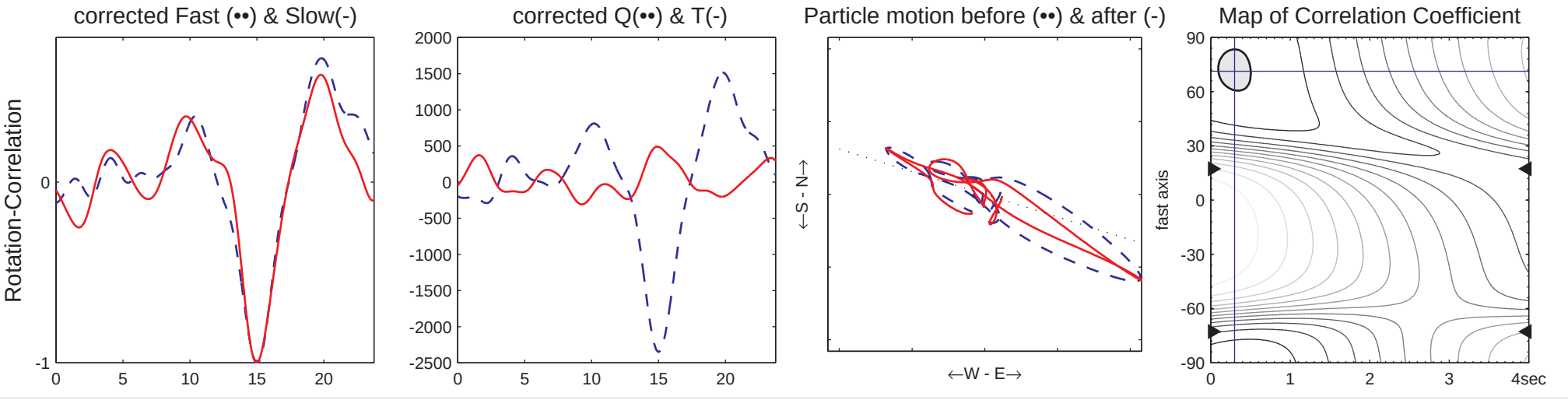


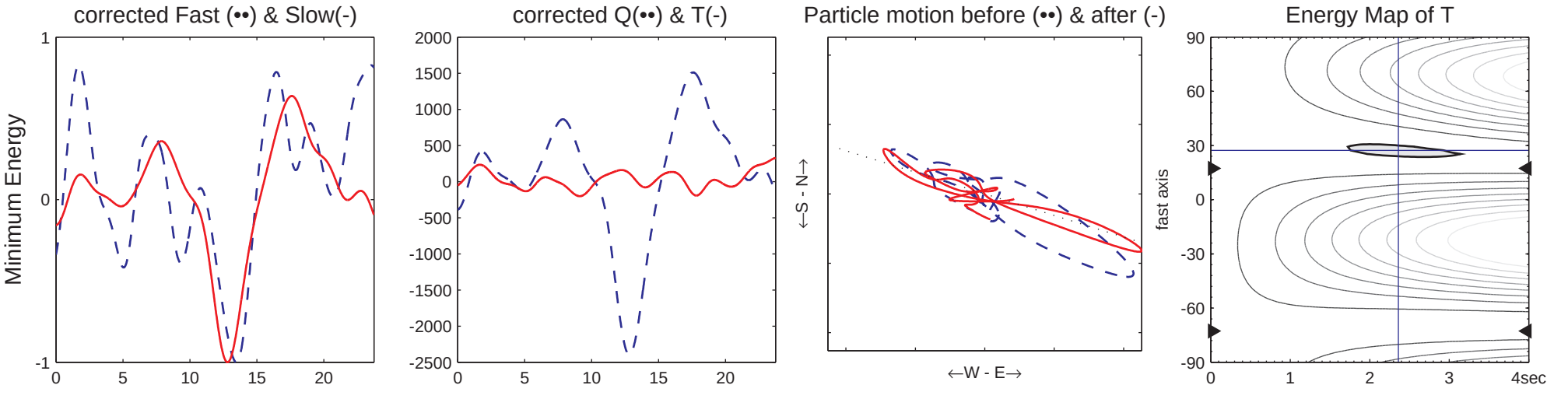
Event: **18-Mar-2007 (077) 02:11 4.58N -78.52E 8km Mw=6.4**
Station: **IKL** Backazimuth: **287.3”** Distance: **104.87”**
init.Pol.: **110.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.8**

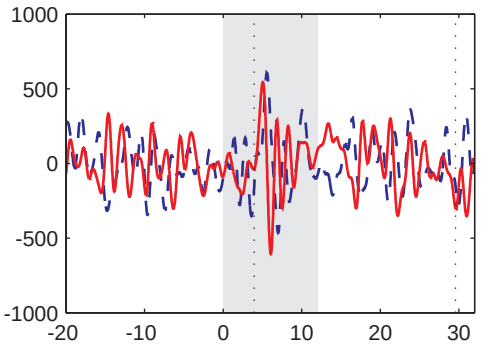
Rotation Correlation:	61<	71° <	83	0.1<0.3s<0.5
Minimum Energy:	23<	27° <	31	1.7<2.4s<3.2
Eigenvalue:	25<	29° <	35	1.2<2.2s<2.9

Quality: **good** IsNull: **Yes** Phase: **SKS**





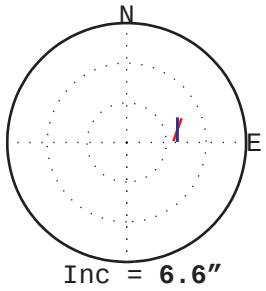


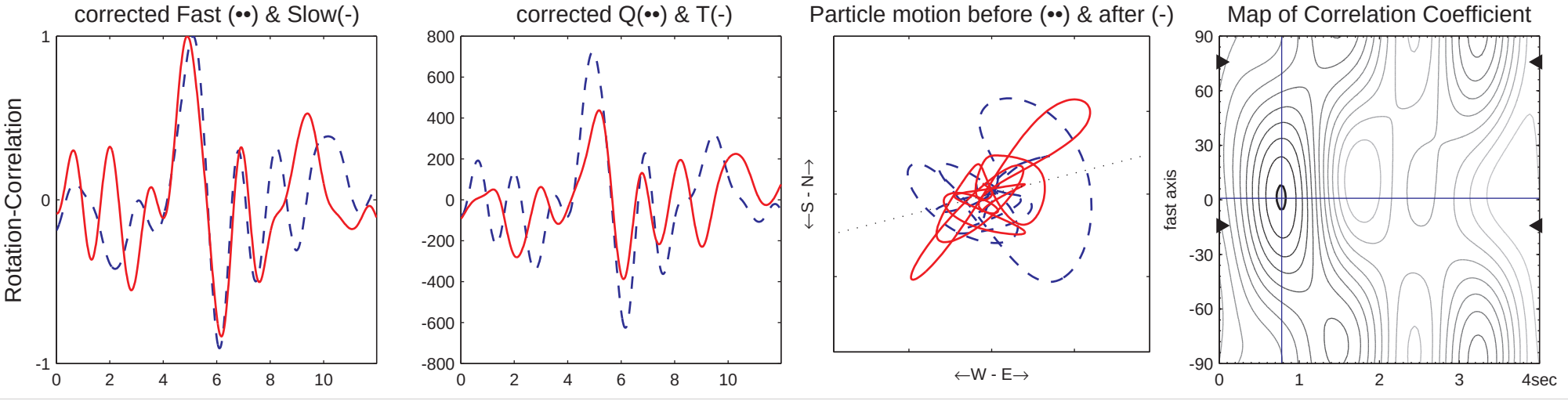


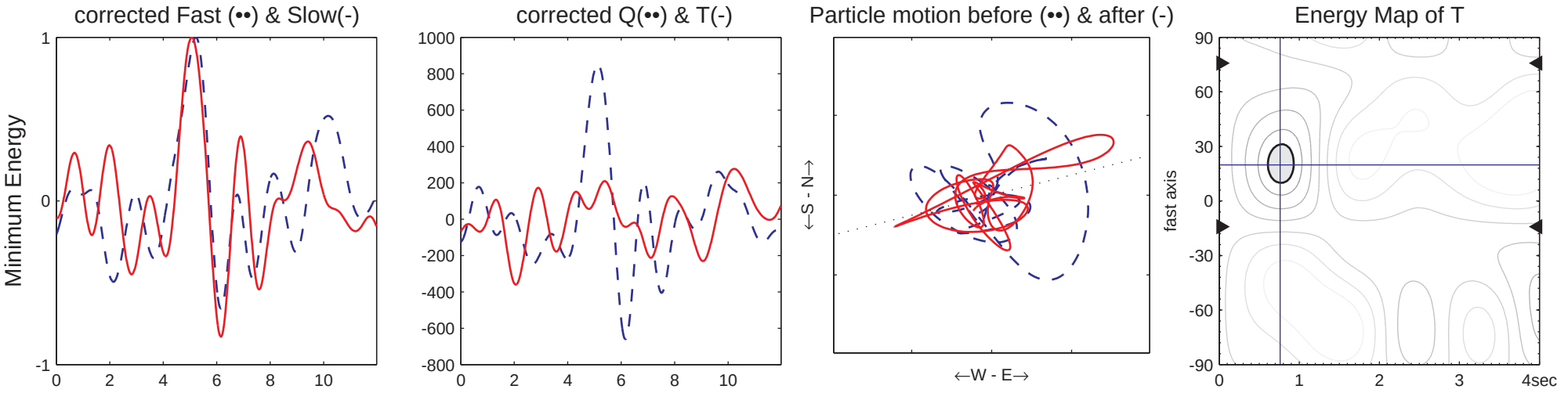
Event: **21-Apr-2007 (111) 07:12 -3.55N 151.27E 407km Mw=6.1**
Station: **IKL** Backazimuth: **75.8”** Distance: **114.17”**
init.Pol.: **227.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

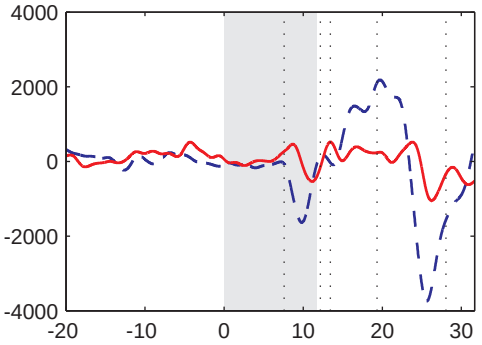
Rotation Correlation:	-6<	1° <	8	0.7<0.8s<0.8
Minimum Energy:	9<	20° <	31	0.6<0.8s<0.9
Eigenvalue:	-17<	-0° <	13	0.6<0.8s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





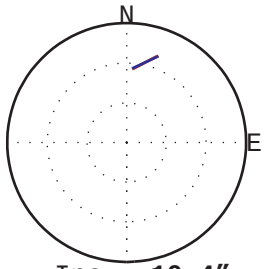


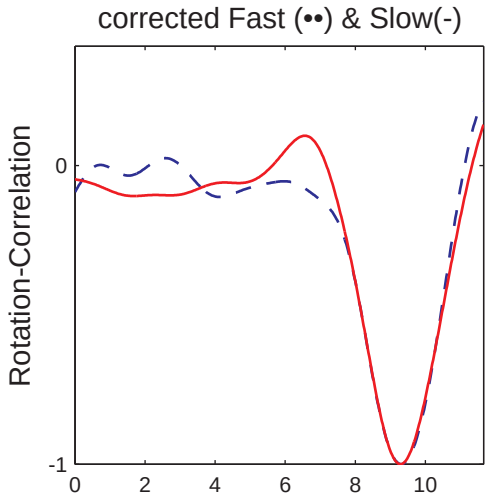


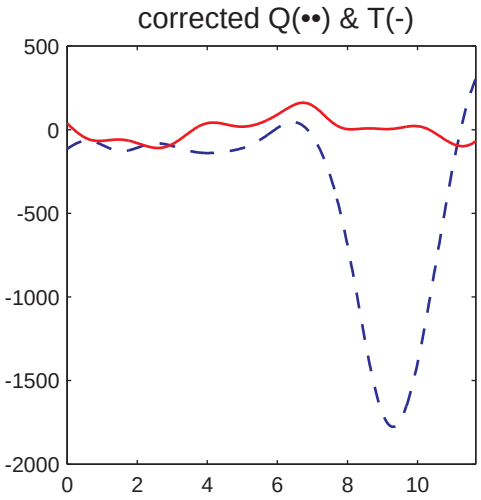
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **IKL** Backazimuth: **13.0”** Distance: **89.27”**
init.Pol.: **194.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.3**

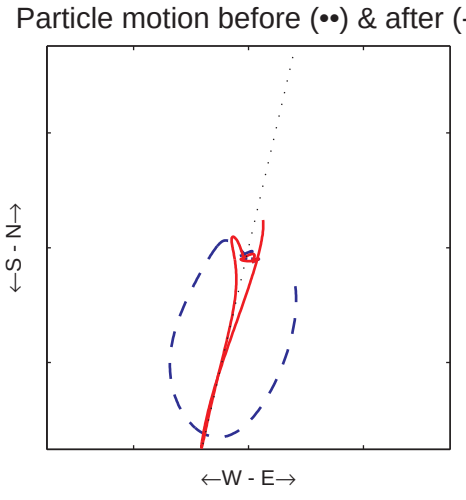
Rotation Correlation:	51<	62° <	73	0.7<0.8s<1.0
Minimum Energy:	54<	63° <	72	0.8<0.9s<1.0
Eigenvalue:	46<	65° <	82	0.8<0.9s<1.1

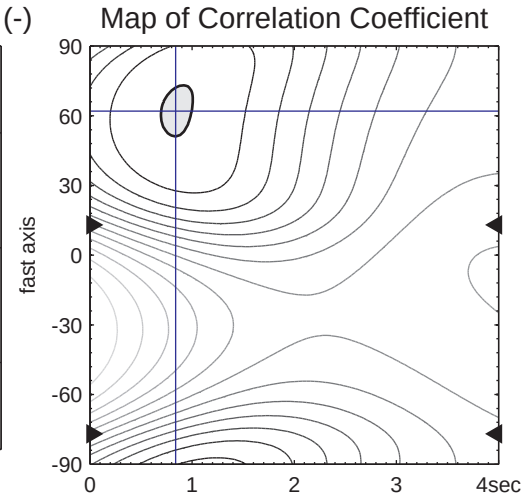
Quality: **good** IsNull: **No** Phase: **SKS**

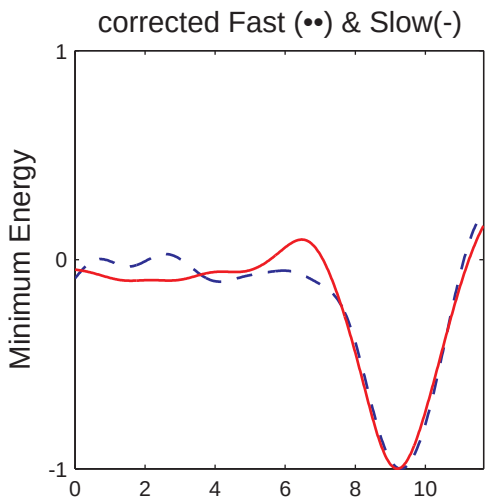


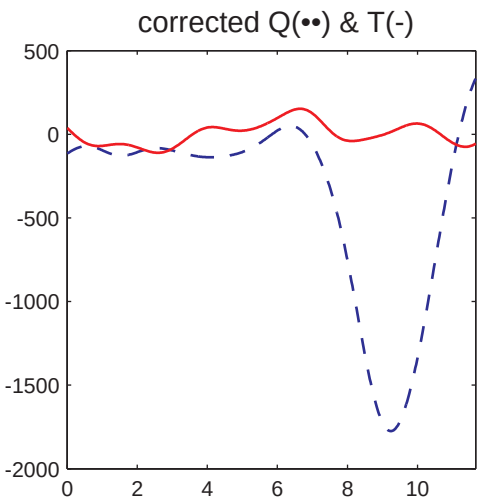


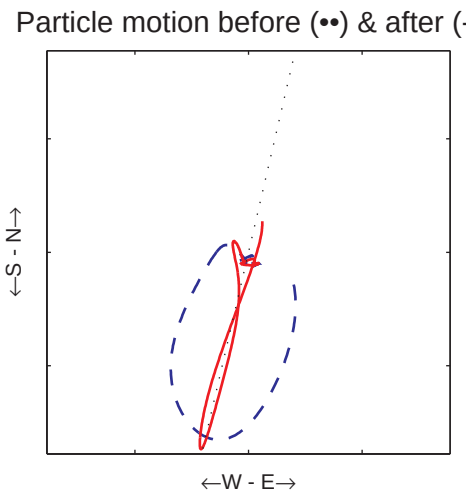


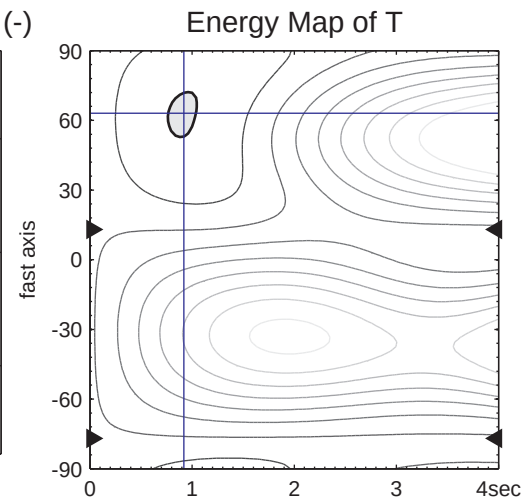


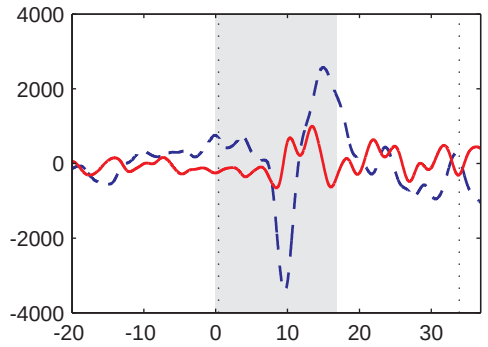








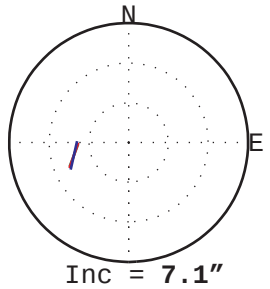


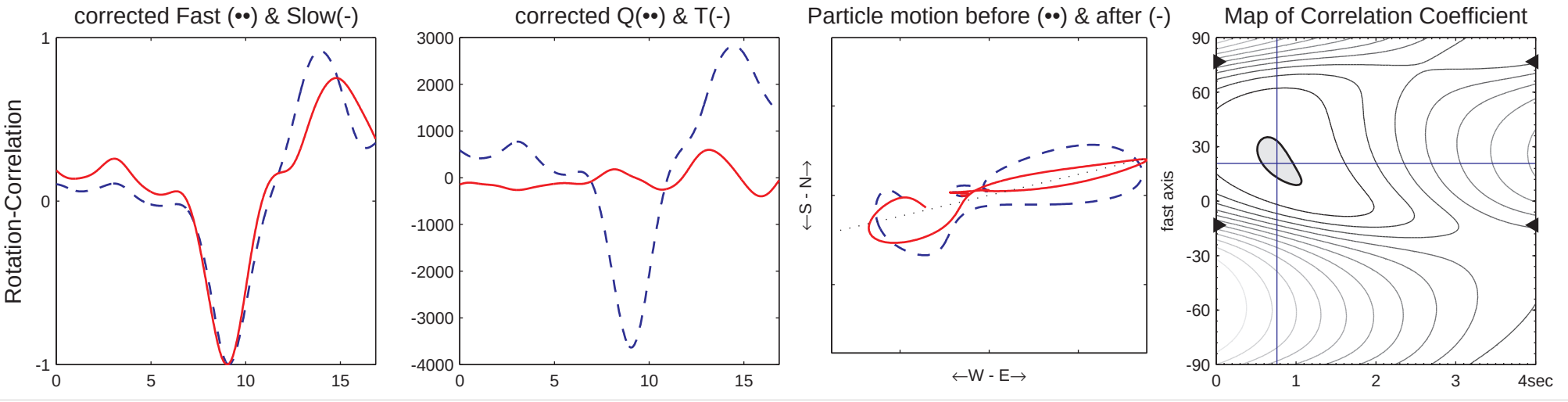


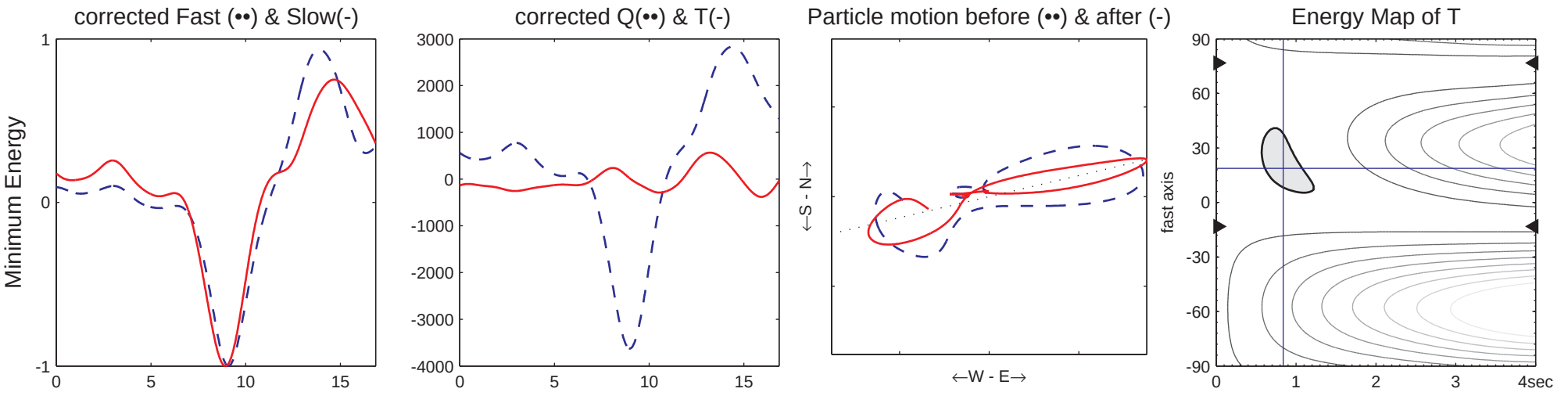
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **IKL** Backazimuth: **256.8”** Distance: **110.29”**
init.Pol.: **74.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.6**

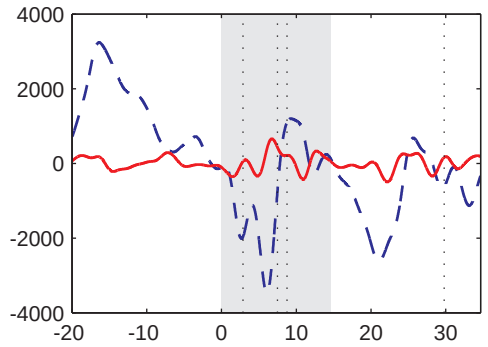
Rotation Correlation:	9<	21° <	36	0.5<0.8s<1.1
Minimum Energy:	5<	19° <	41	0.6<0.8s<1.2
Eigenvalue:	-1<	13° <	39	0.6<0.9s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





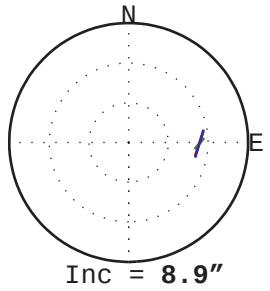


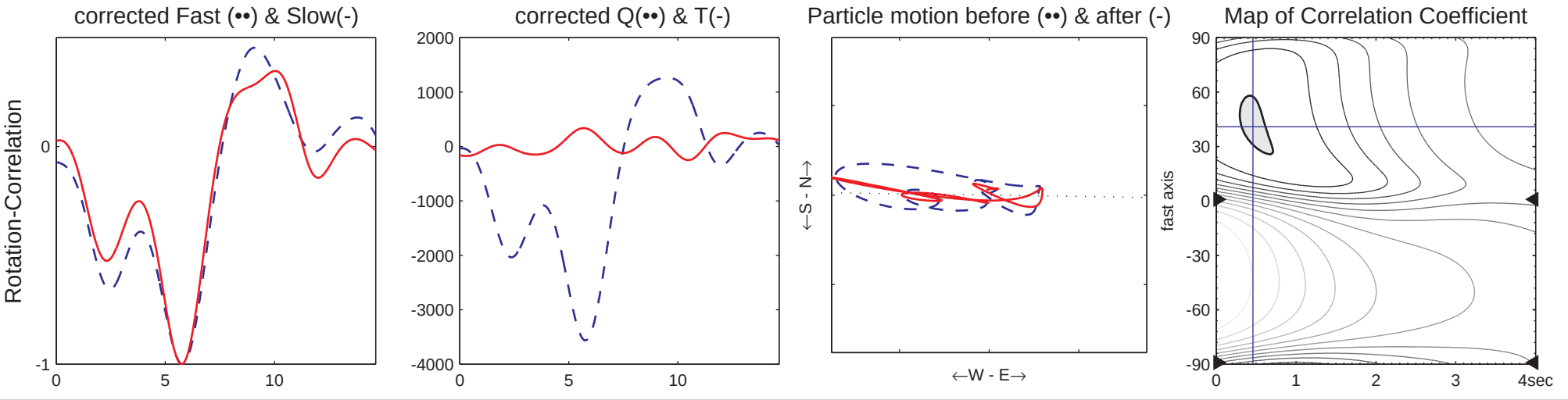


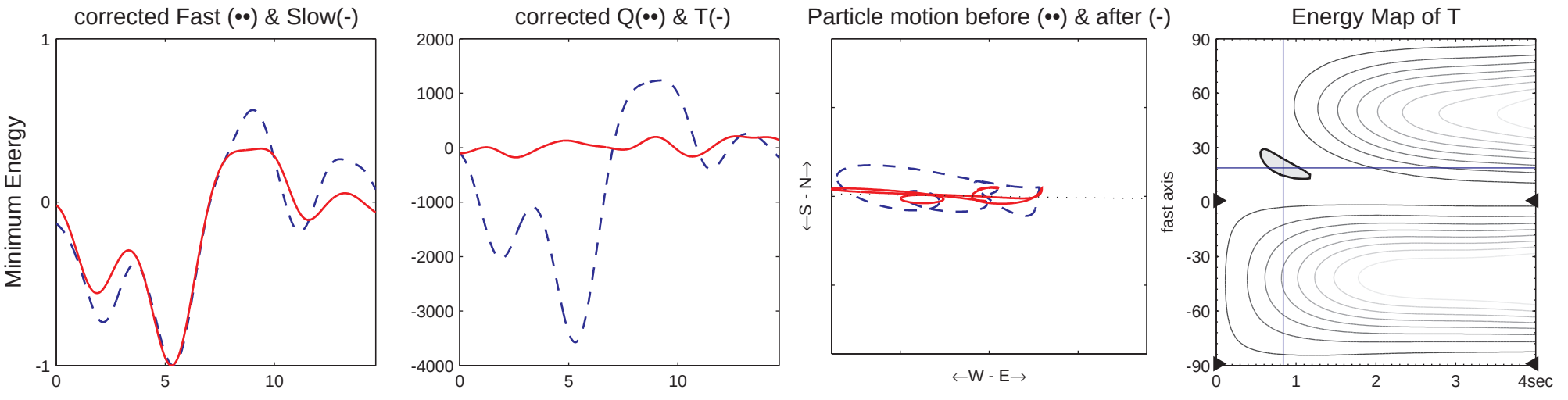
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **IKL** Backazimuth: **90.9”** Distance: **97.73”**
init.Pol.: **269.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**15.5**

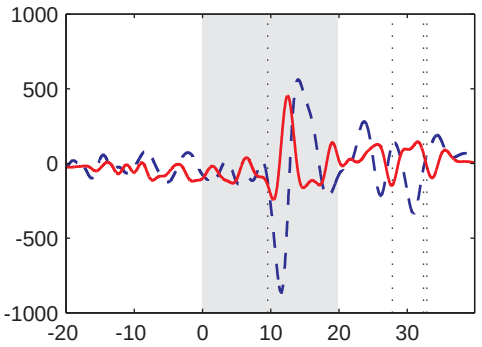
Rotation Correlation:	26<	41° <	58	0.3<0.5s<0.7
Minimum Energy:	13<	19° <	29	0.6<0.8s<1.2
Eigenvalue:	11<	17° <	27	0.6<0.9s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





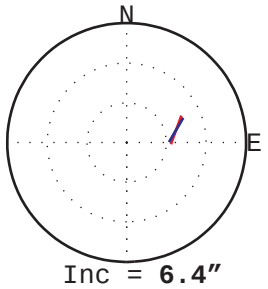


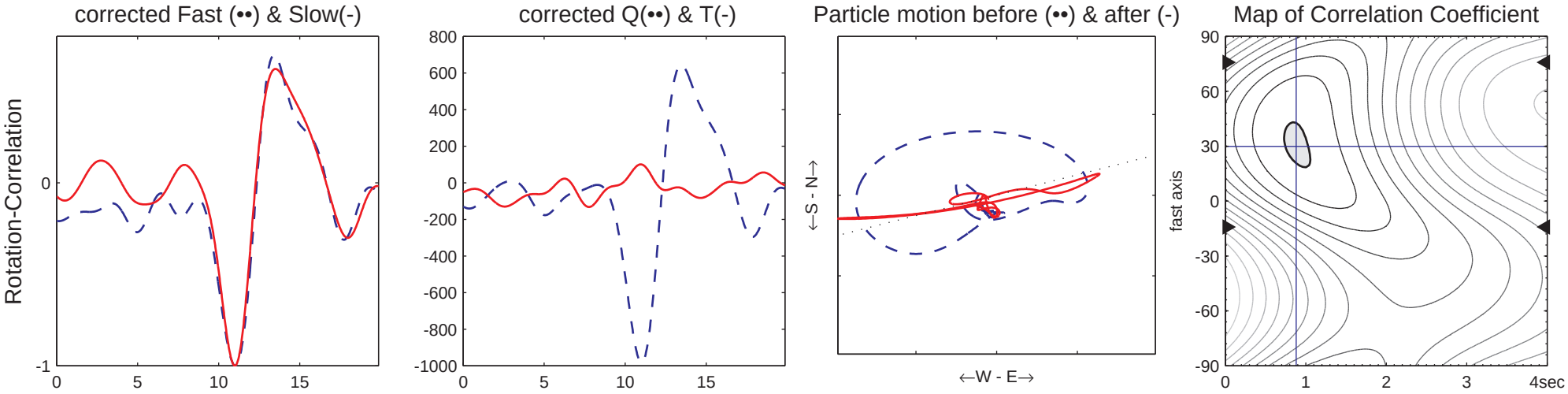


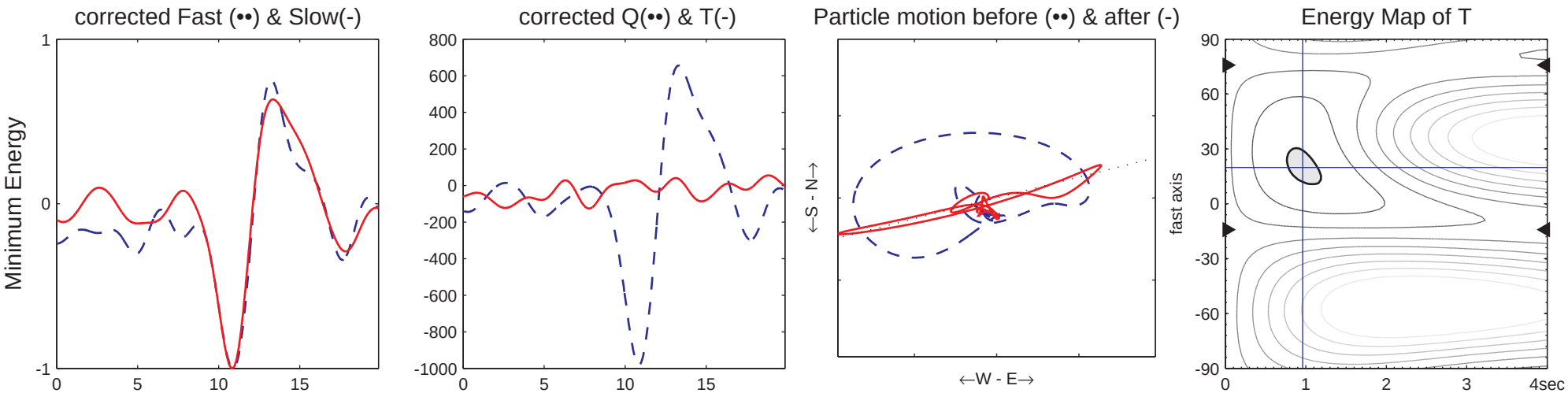
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **IKL** Backazimuth: **75.8”** Distance: **116.18”**
init.Pol.: **261.2”** Filter: **0.010Hz - 0.30Hz** SNR_{SC}:**10.1**

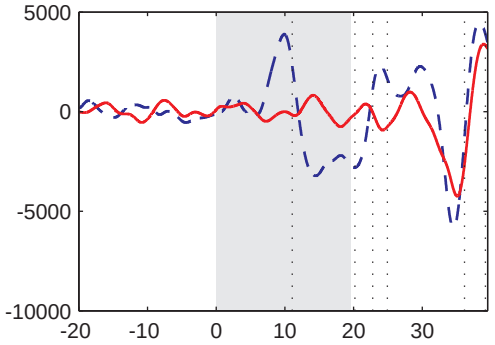
Rotation Correlation:	19<	30° <	43	0.7<0.9s<1.0
Minimum Energy:	11<	20° <	31	0.8<1.0s<1.2
Eigenvalue:	15<	30° <	46	0.7<0.9s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





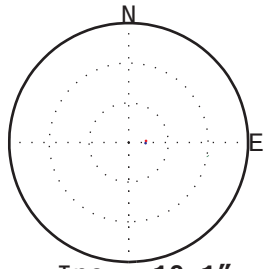




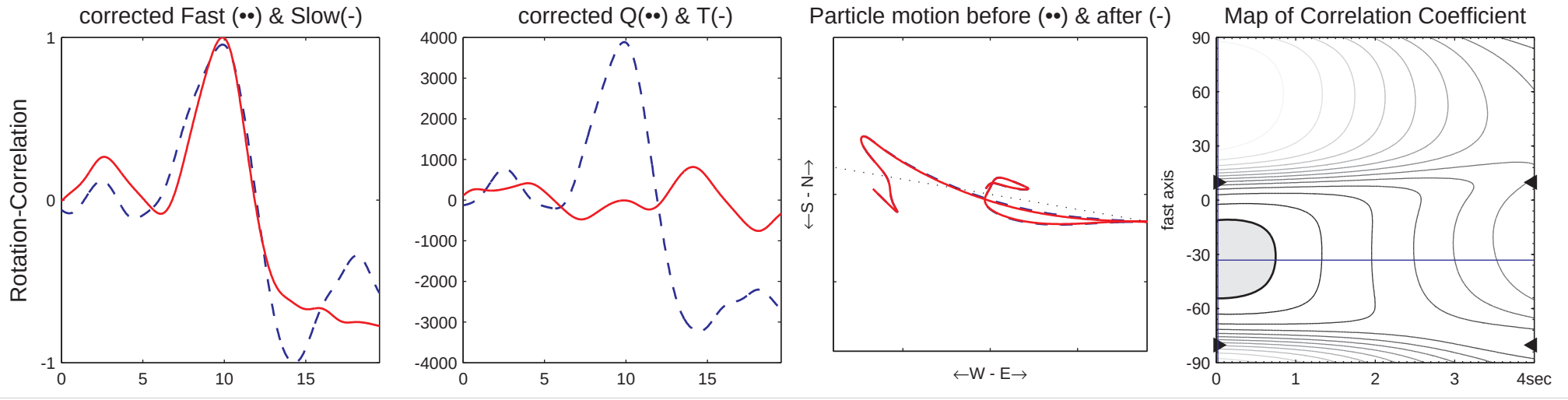
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **IKL** Backazimuth: **99.8”** Distance: **90.65”**
init.Pol.: **275.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.3**

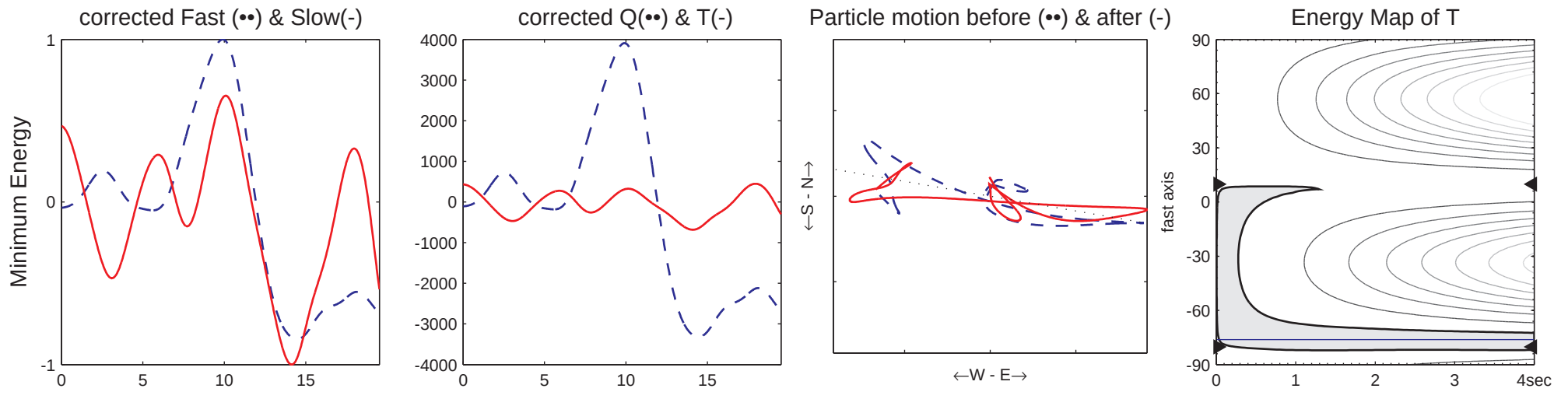
Rotation Correlation:	-56<	-33° <	-12	0.0<0.0s<0.8
Minimum Energy:	-84<	-76° <	7	0.0<4.0s<4.0
Eigenvalue:	-86<	-78° <	-74	1.4<4.0s<4.0

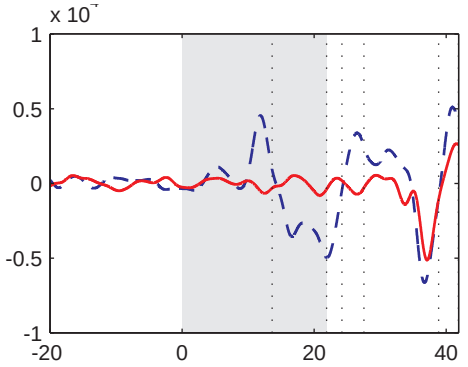
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.1”**



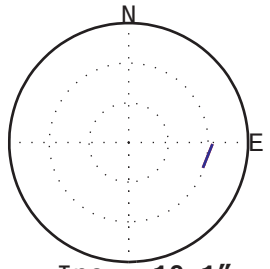




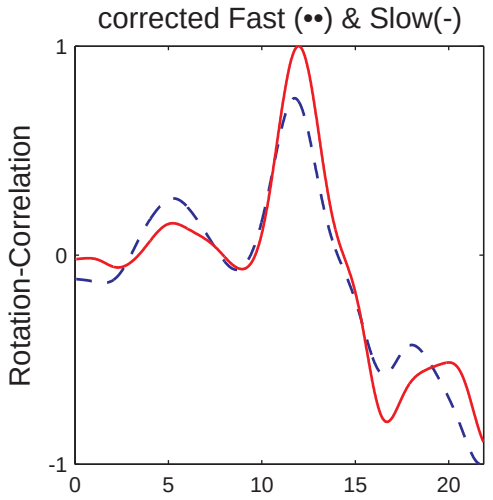
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **IKL** Backazimuth: **99.7”** Distance: **90.69”**
init.Pol.: **280.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.5**

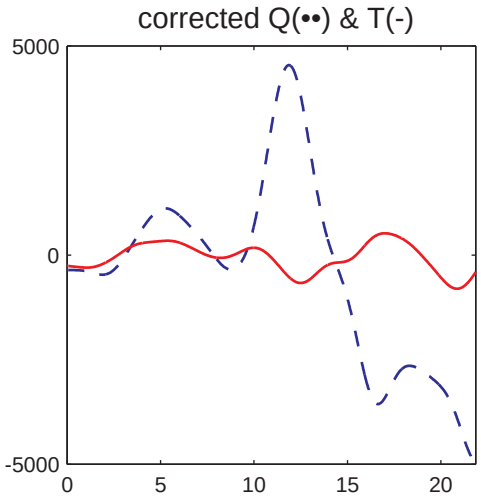
Rotation Correlation:	43<	55° <	70	0.0<0.0s<0.2
Minimum Energy:	11<	22° <	-88	0.1<0.8s<2.3
Eigenvalue:	9<	22° <	-86	0.0<0.8s<2.4

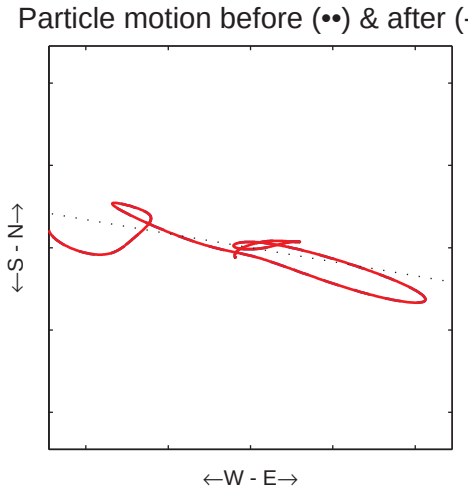
Quality: **fair** IsNull: **Yes** Phase: **SKS**

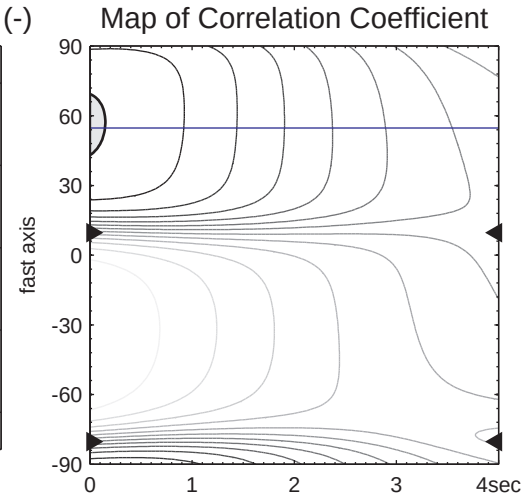


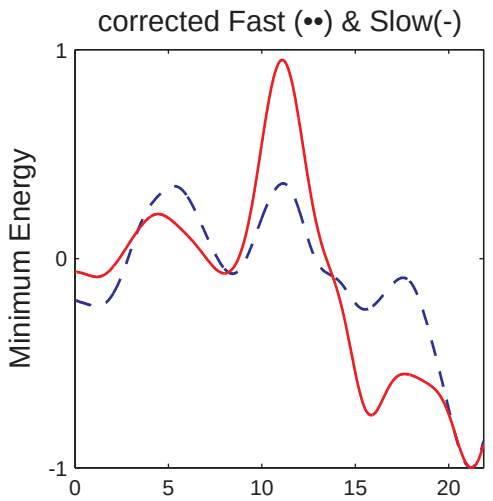
Inc = **10.1”**

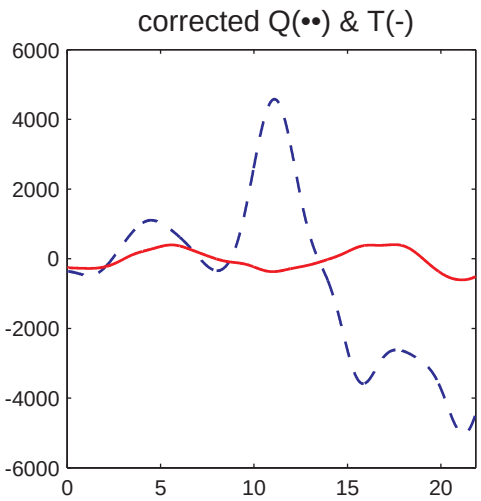


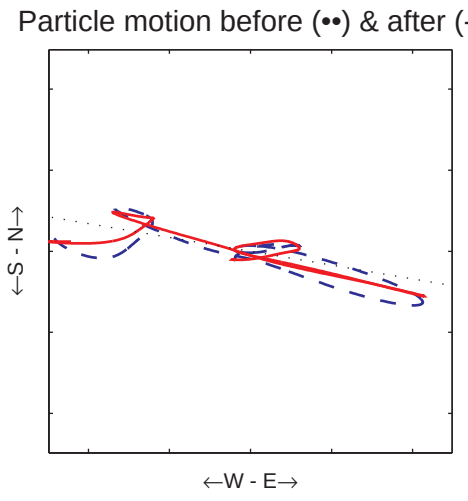


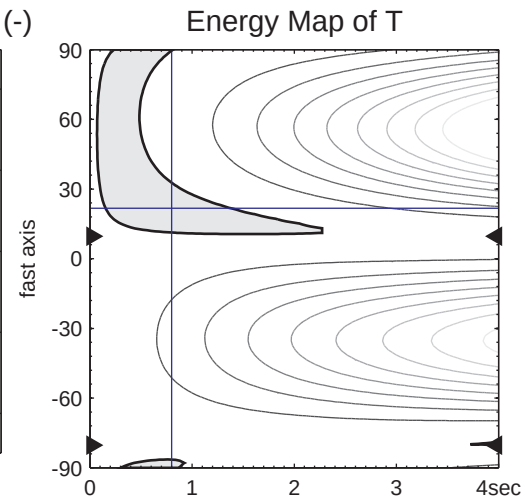


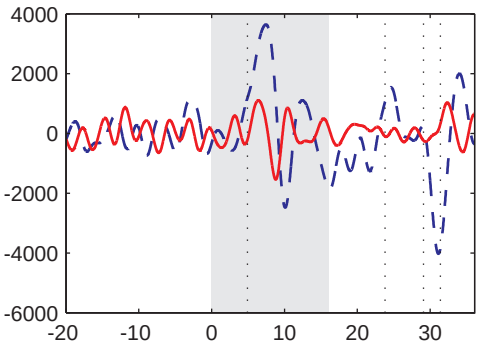








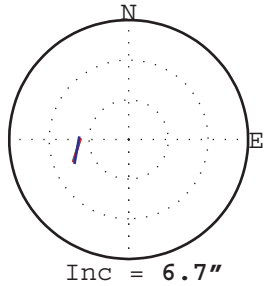


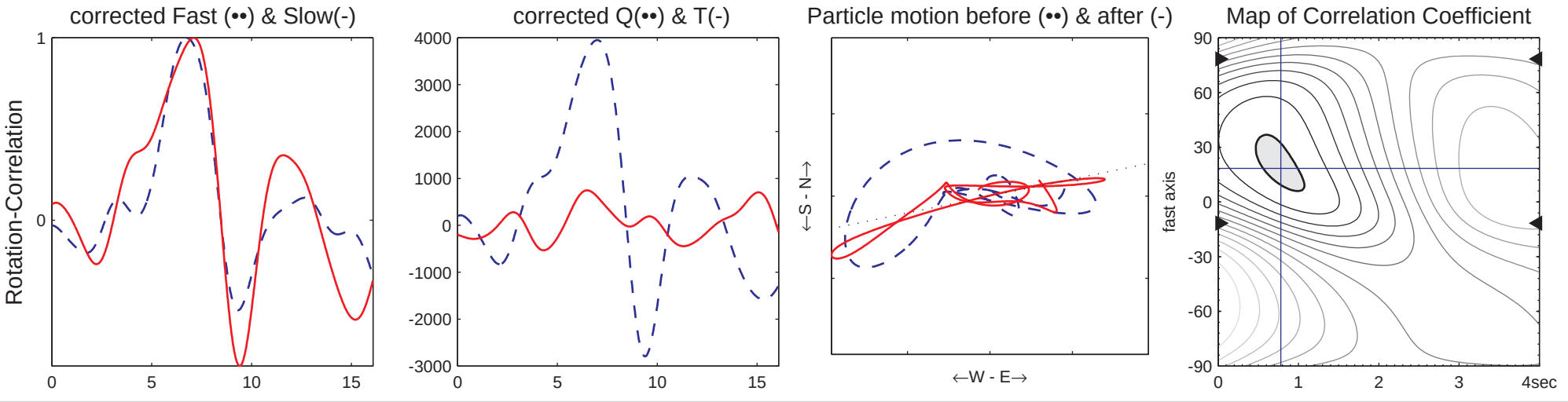


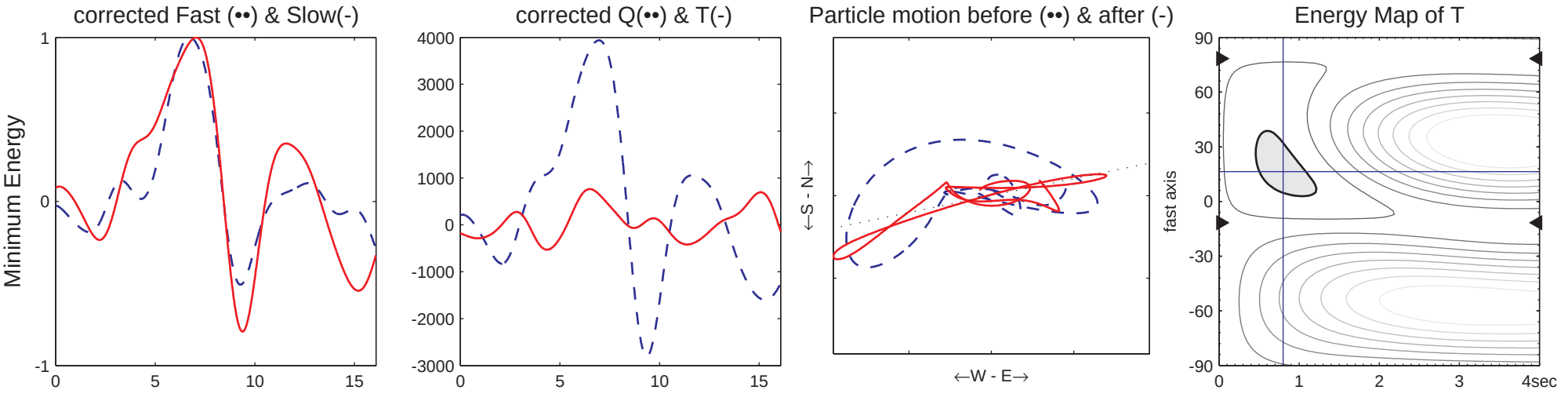
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km** Mw=**6.7**
Station: **IKL** Backazimuth: **258.4”** Distance: **114.11”**
init.Pol.: **74.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

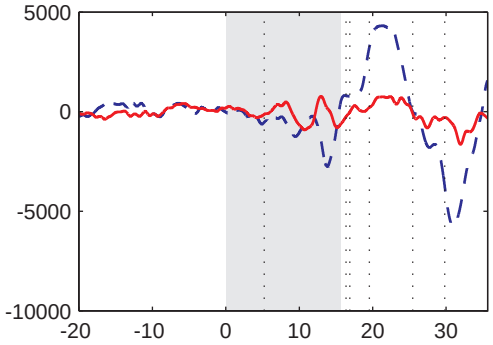
Rotation Correlation:	6<	18° <	37	0.5<0.8s<1.1
Minimum Energy:	3<	16° <	39	0.4<0.8s<1.2
Eigenvalue:	-3<	10° <	35	0.5<0.9s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





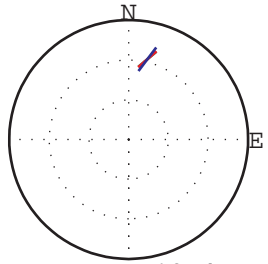




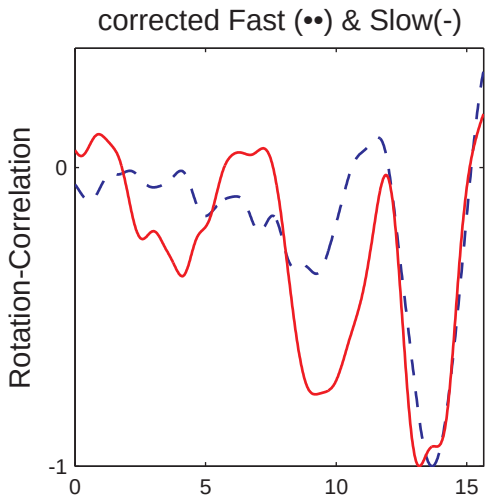
Event: **26-Dec-2007 (360) 22:04 52.56N -168.22E 25km Mw=6.4**
Station: **IKL** Backazimuth: **13.1”** Distance: **89.17”**
init.Pol.: **187.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.8**

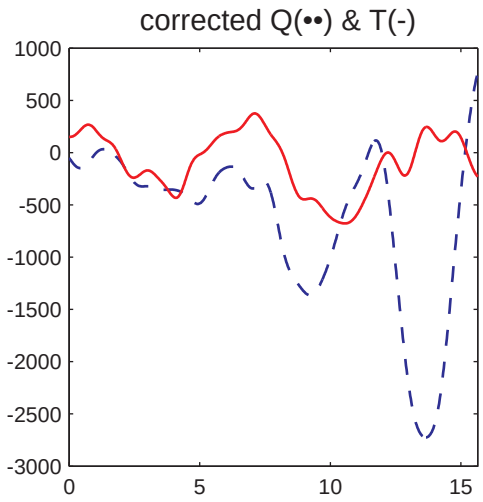
Rotation Correlation:	39<	50° < 64	0.5<0.7s<1.0
Minimum Energy:	27<	49° < 80	0.4<0.8s<1.3
Eigenvalue:	11<	37° < -92	0.4<0.9s<1.6

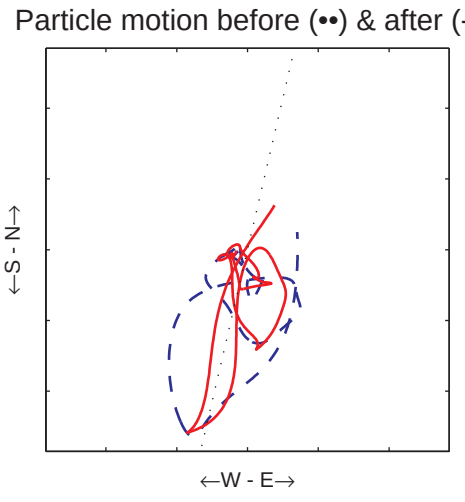
Quality: **fair** IsNull: **No** Phase: **SKS**

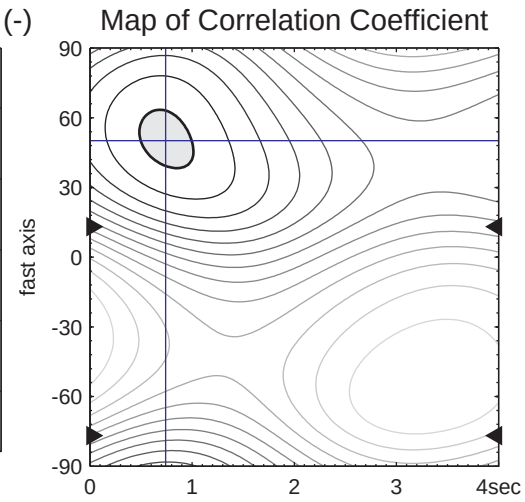


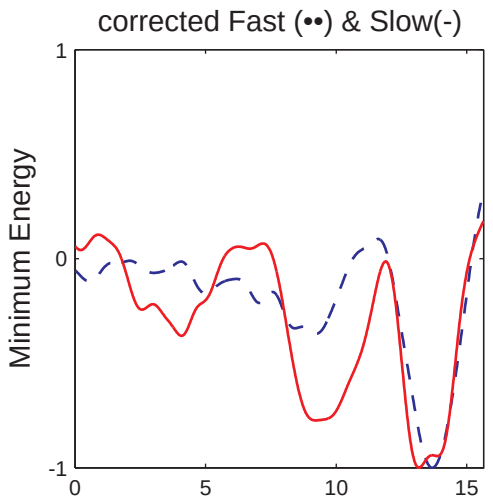
Inc = **10.4”**

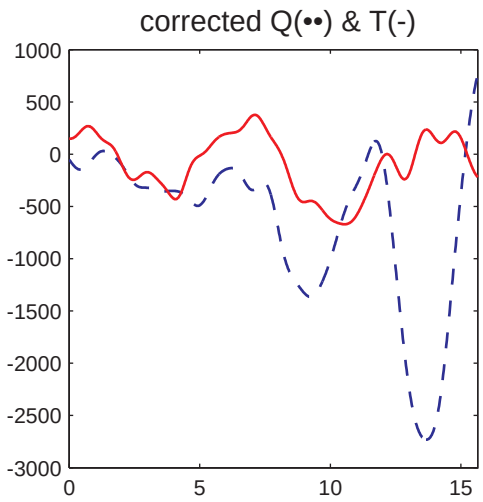


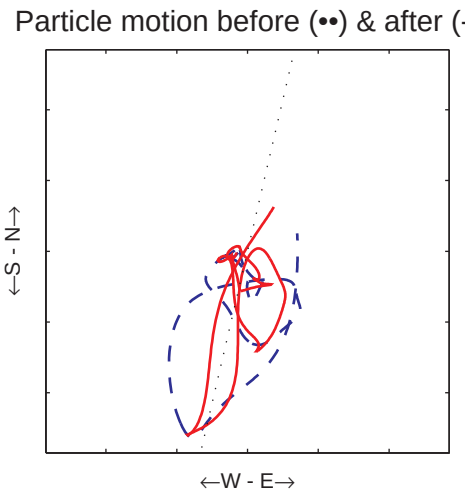


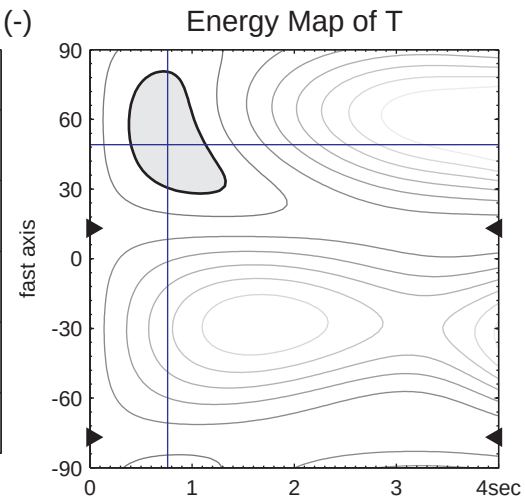


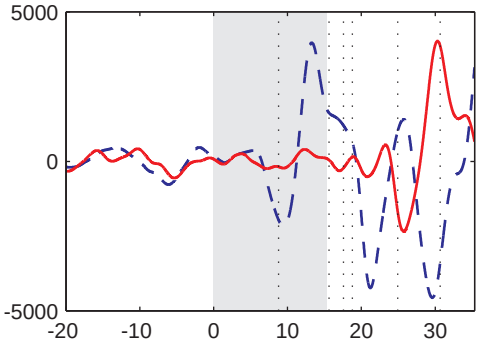








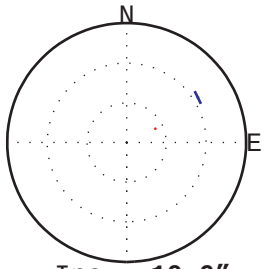




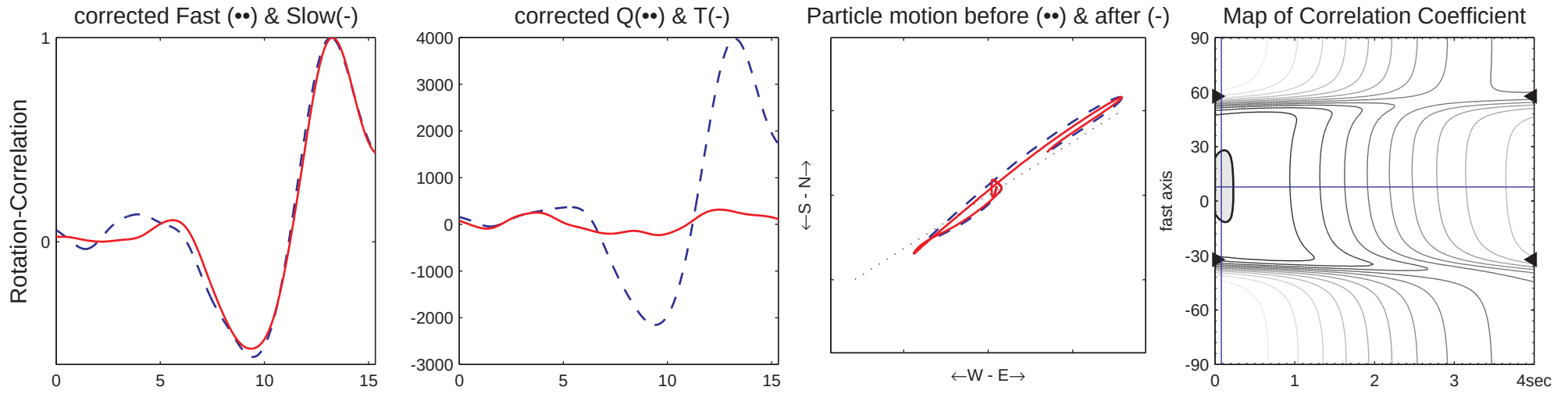
Event: **27-Feb-2008 (058) 06:54 26.82N 142.44E 15km Mw=6.2**
Station: **IKL** Backazimuth: **57.7”** Distance: **87.98”**
init.Pol.: **232.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**17.3**

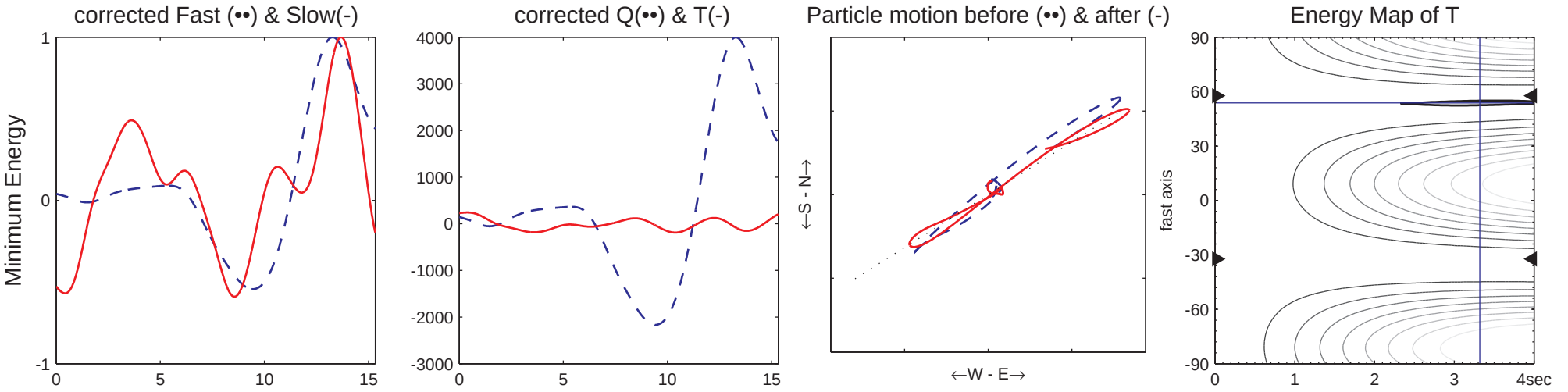
Rotation Correlation:	-12<	8° <	28	0.0<0.1s<0.2
Minimum Energy:	52<	54° <	56	2.3<3.3s<4.0
Eigenvalue:	-39<	-26° <	48	0.1<0.4s<1.9

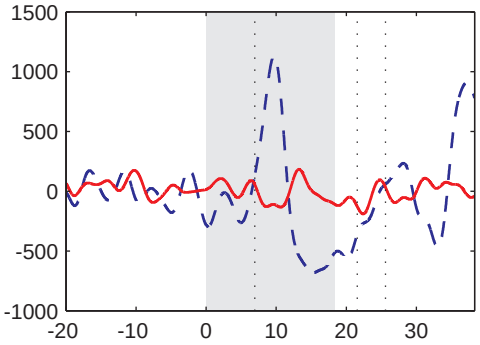
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.6”**



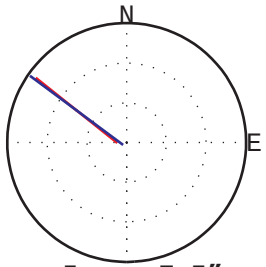


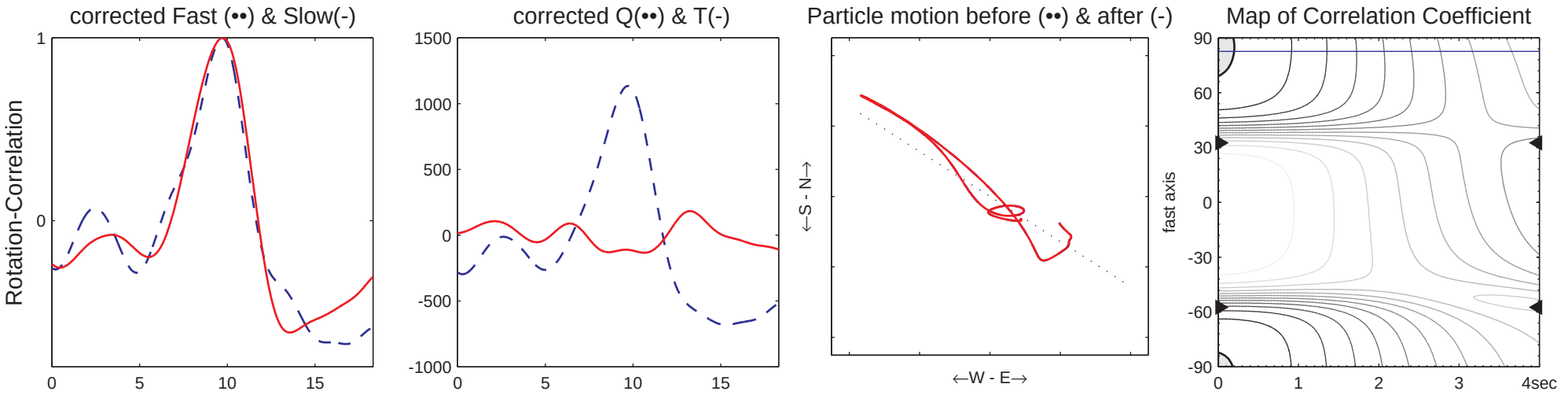


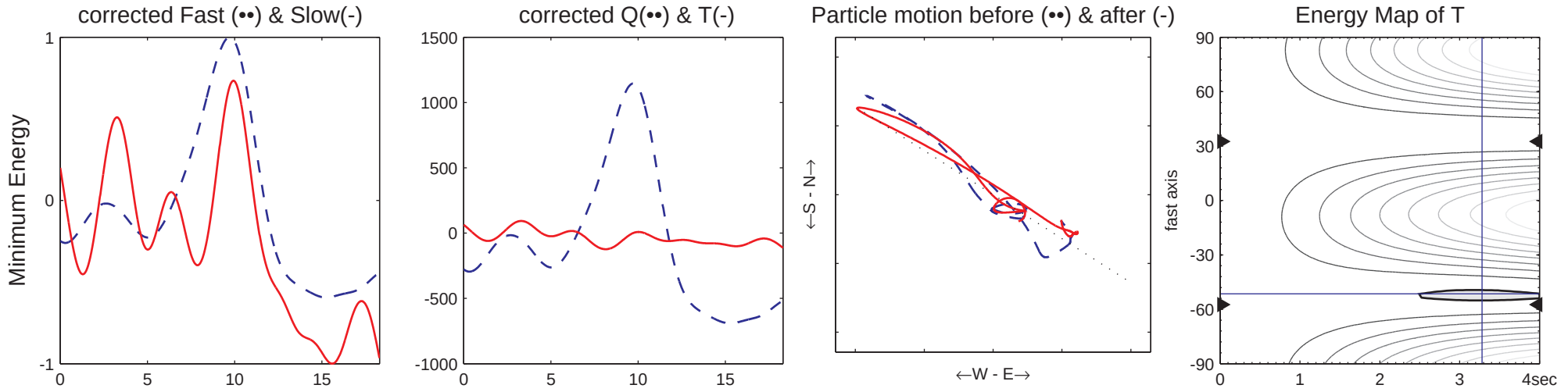
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **IKL** Backazimuth: **302.6”** Distance: **107.64”**
init.Pol.: **119.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.1**

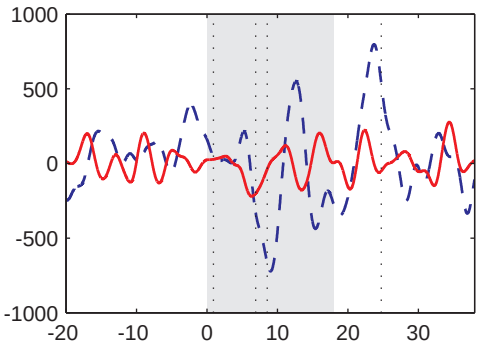
Rotation Correlation:	69<	83° < -83	0.0<0.0s<0.2
Minimum Energy:	-58<	-51° < -52	2.5<3.3s<4.0
Eigenvalue:	-58<	-53° < -54	3.1<3.6s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





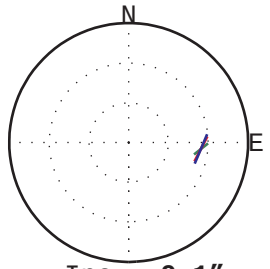


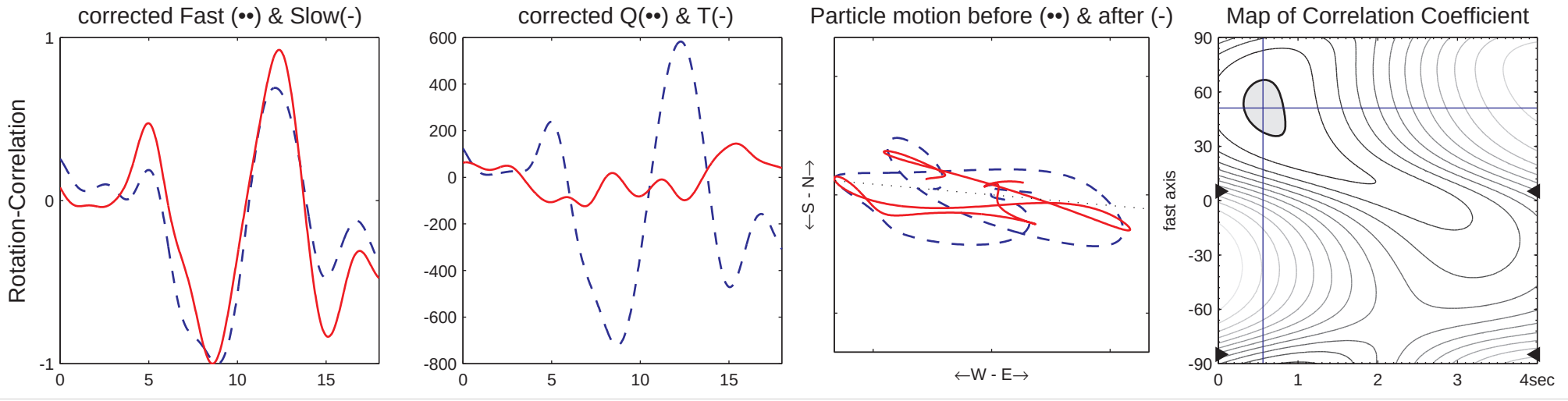


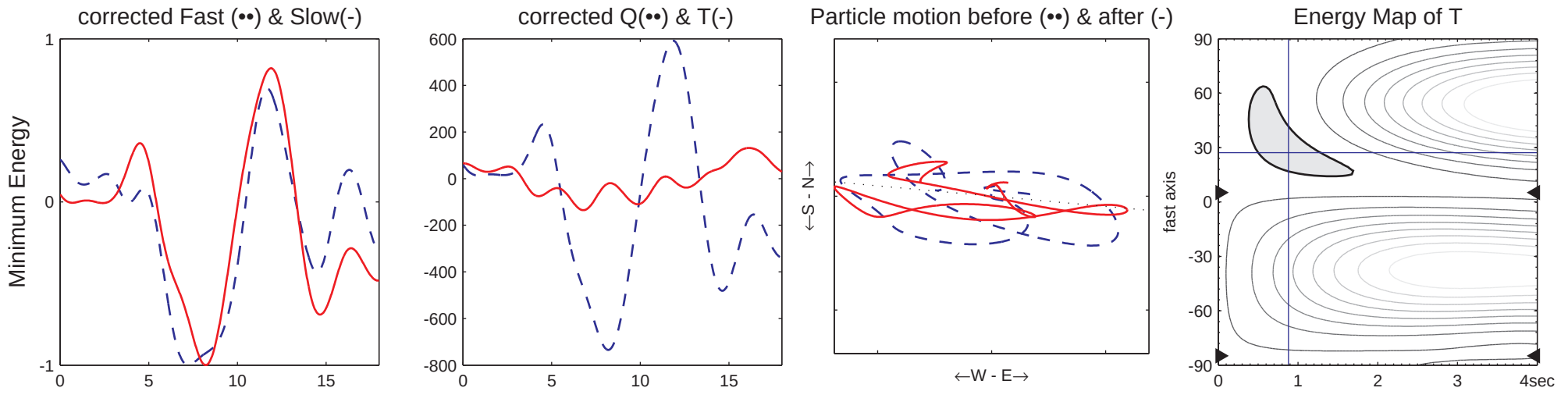
Event: **19-Apr-2008 (110) 03:12 -7.82N 125.69E 13km Mw=6.1**
Station: **IKL** Backazimuth: **95.1”** Distance: **96.22”**
init.Pol.: **273.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

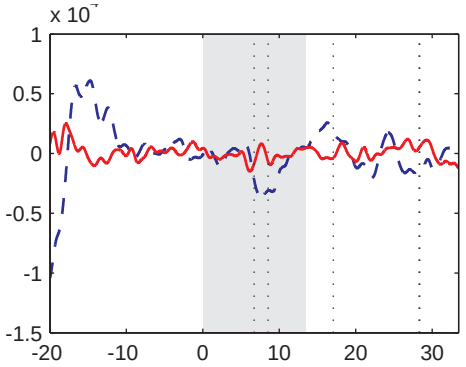
Rotation Correlation:	36<	51° <	67	0.3<0.6s<0.8
Minimum Energy:	13<	27° <	64	0.4<0.9s<1.7
Eigenvalue:	7<	23° <	88	0.3<1.0s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





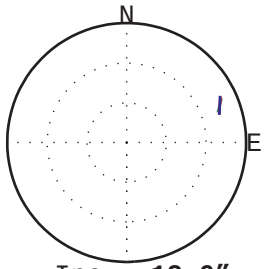




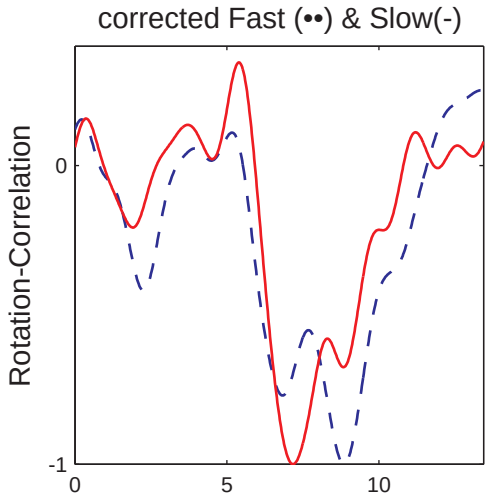
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **IKL** Backazimuth: **68.2”** Distance: **97.74”**
init.Pol.: **245.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.0**

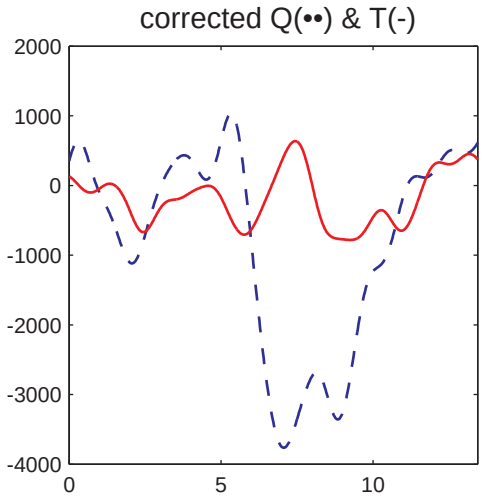
Rotation Correlation:	8<	15° <	24	0.3<0.5s<0.6
Minimum Energy:	-11<	4° <	37	0.2<0.6s<1.0
Eigenvalue:	-13<	2° <	29	0.3<0.6s<1.0

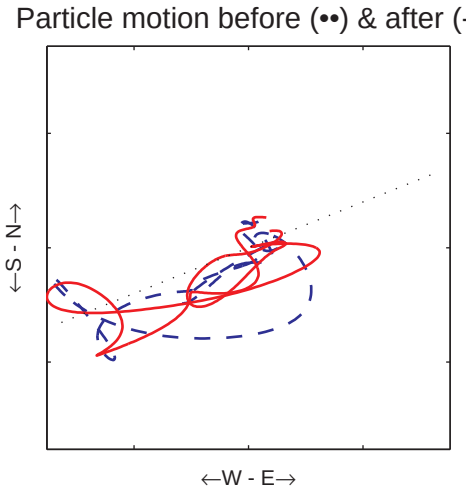
Quality: **fair** IsNull: **No** Phase: **SKKS**

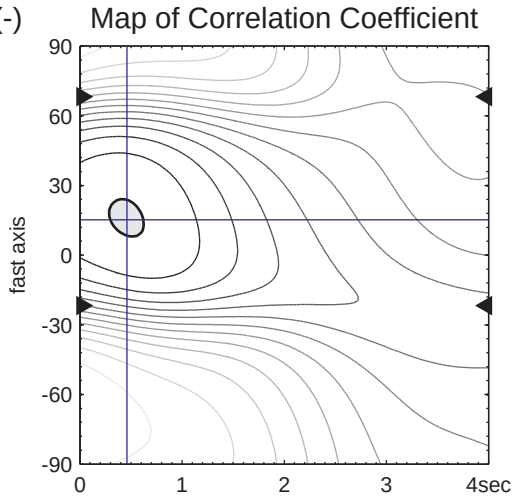


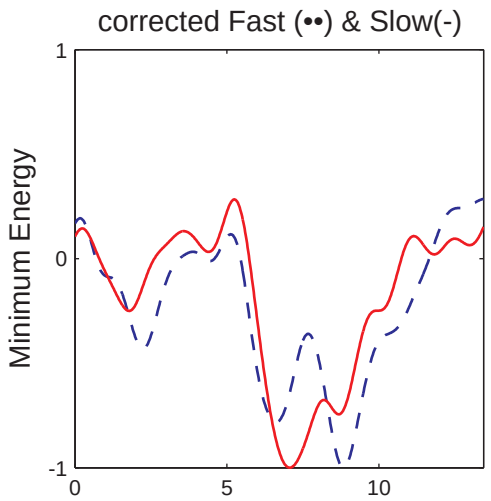
Inc = **12.6”**

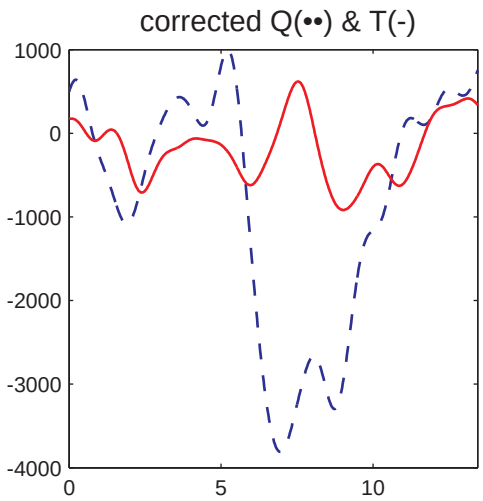


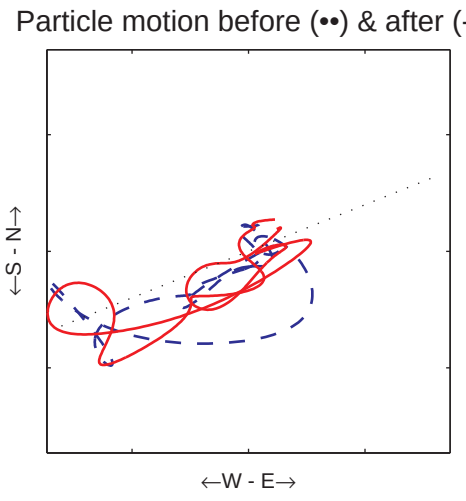


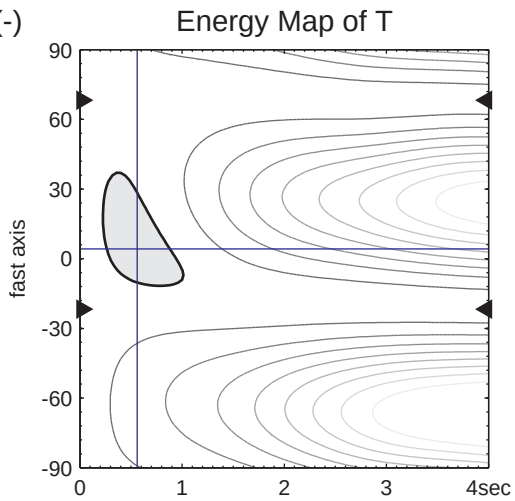


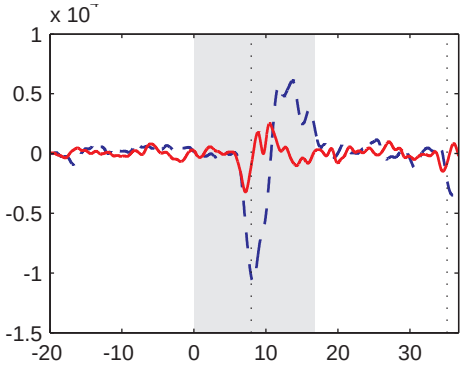








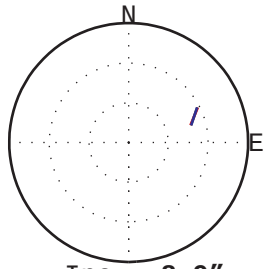


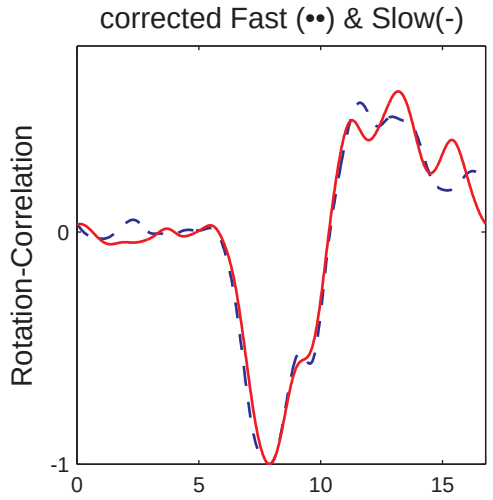


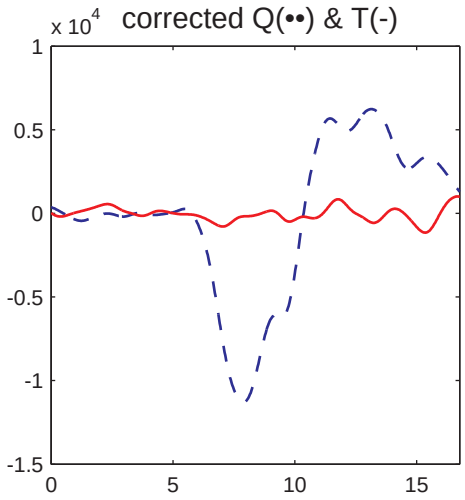
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **IKL** Backazimuth: **68.2”** Distance: **97.74”**
init.Pol.: **247.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.5**

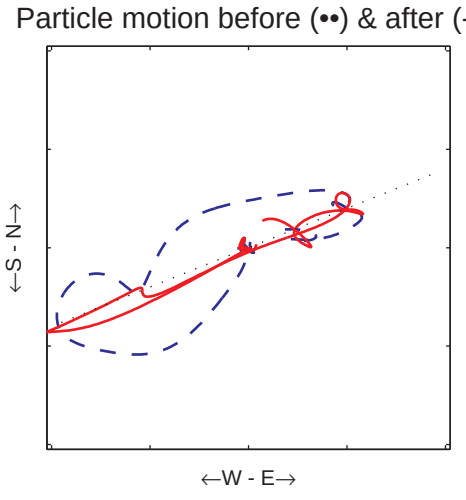
Rotation Correlation:	9<	20° <	33	0.5<0.6s<0.7
Minimum Energy:	9<	22° <	35	0.5<0.6s<0.7
Eigenvalue:	5<	18° <	33	0.5<0.6s<0.8

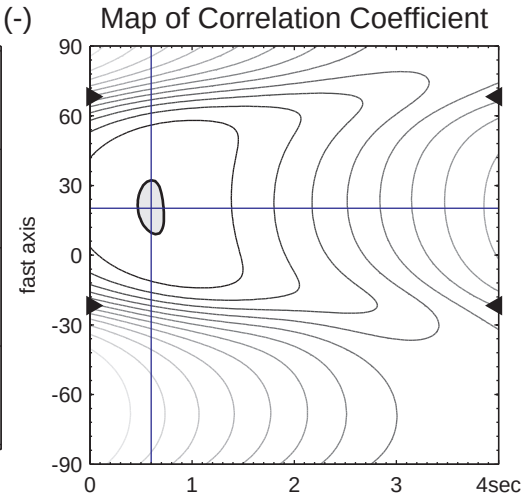
Quality: **good** IsNull: **No** Phase: **SKS**

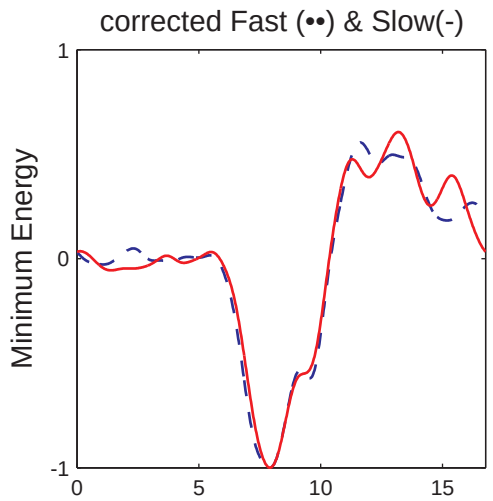


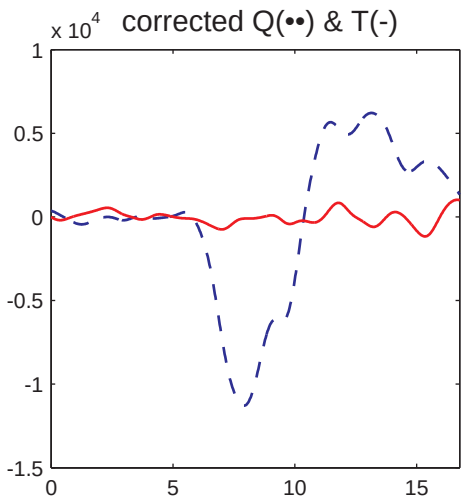


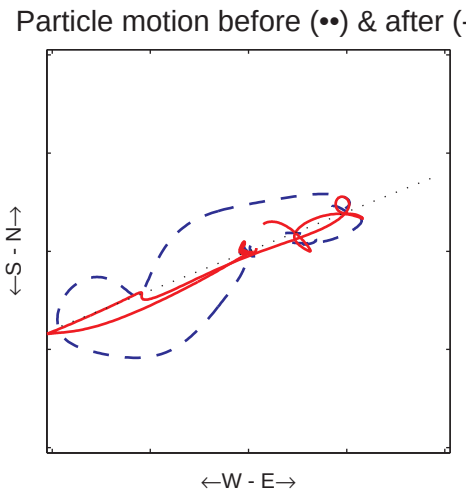


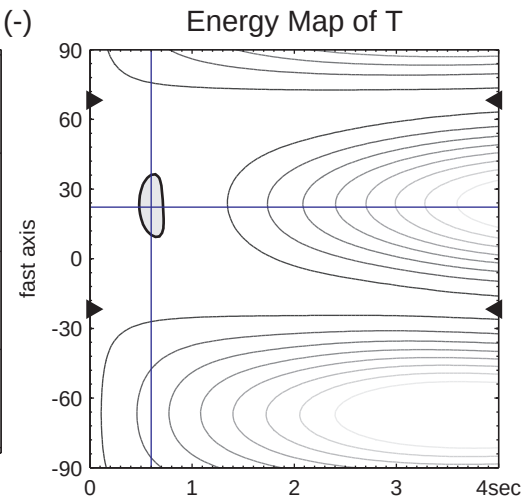


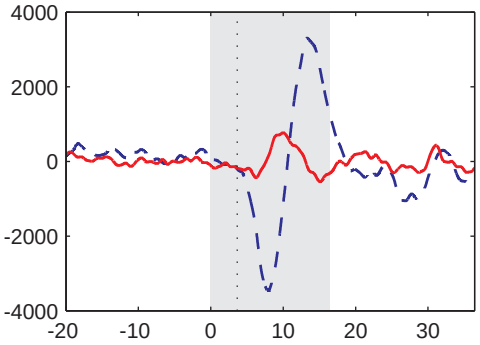








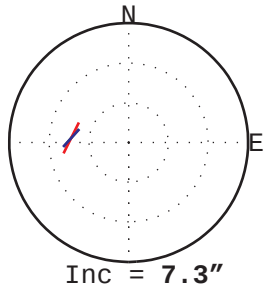


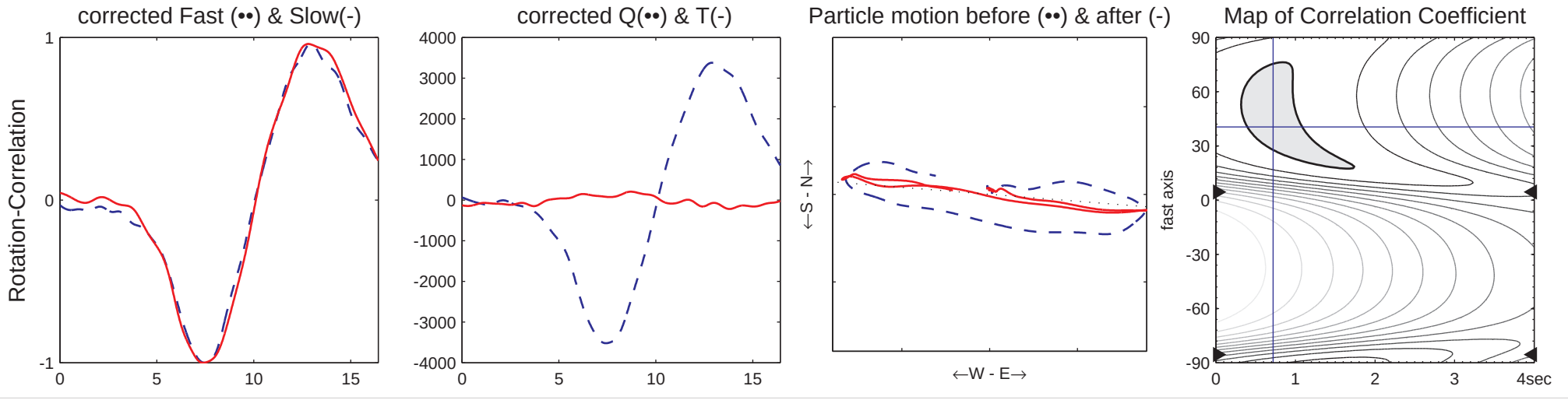


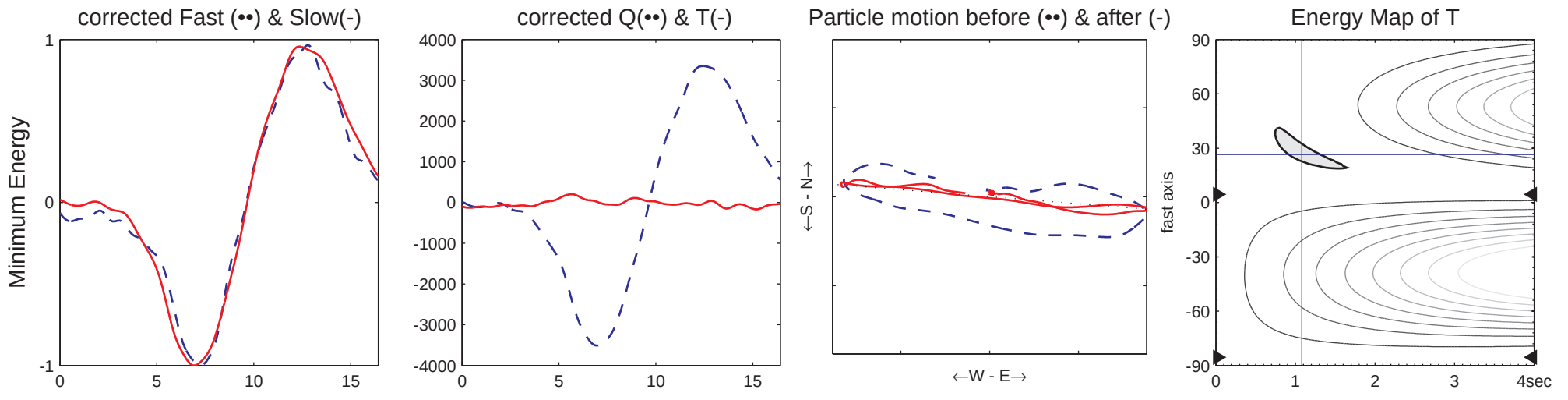
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **IKL** Backazimuth: **274.5”** Distance: **109.05”**
init.Pol.: **97.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**21.1**

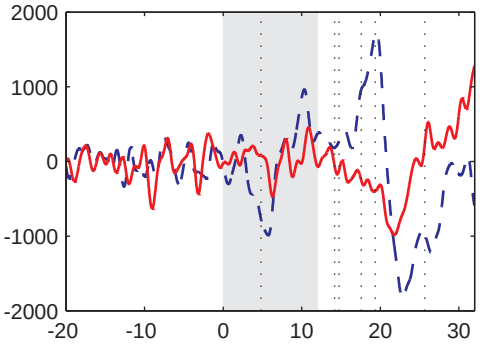
Rotation Correlation:	18<	41° <	76	0.3<0.7s<1.8
Minimum Energy:	19<	27° <	41	0.8<1.1s<1.6
Eigenvalue:	27<	43° <	68	0.6<0.8s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





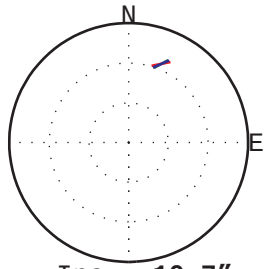




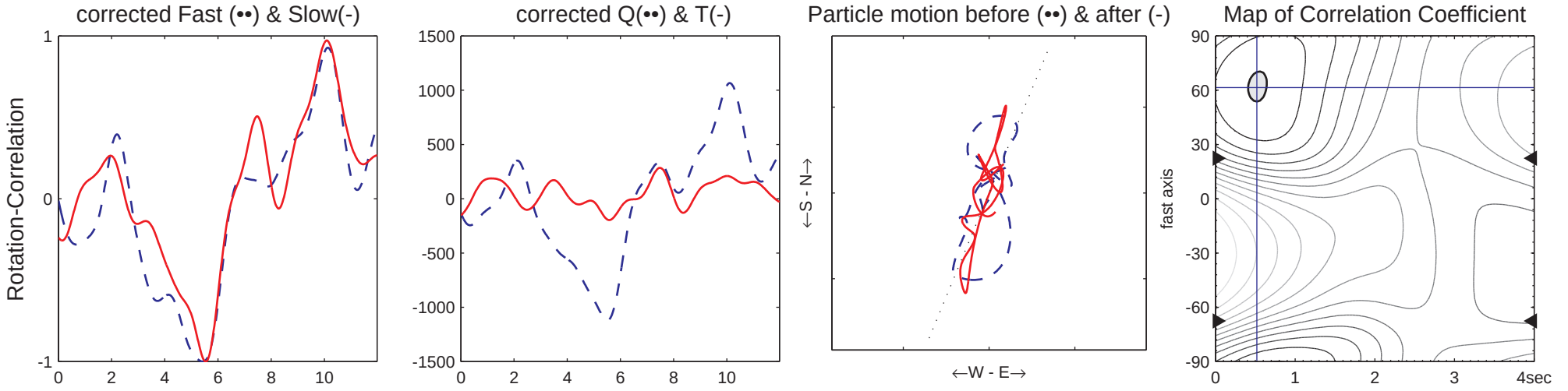
Event: **06-Jul-2009 (187) 14:53 50.44N 176.99E 22km Mw=6.1**
Station: **IKL** Backazimuth: **22.4”** Distance: **87.49”**
init.Pol.: **195.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.1**

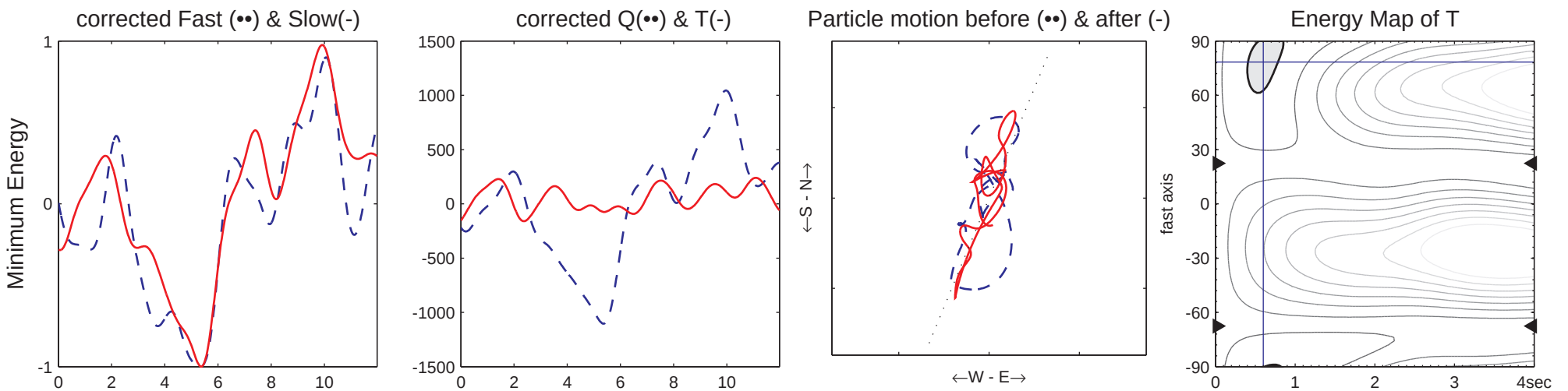
Rotation Correlation:	54<	61° <	70	0.4<0.5s<0.6
Minimum Energy:	62<	78° <	-90	0.4<0.6s<0.8
Eigenvalue:	52<	66° <	82	0.4<0.6s<0.7

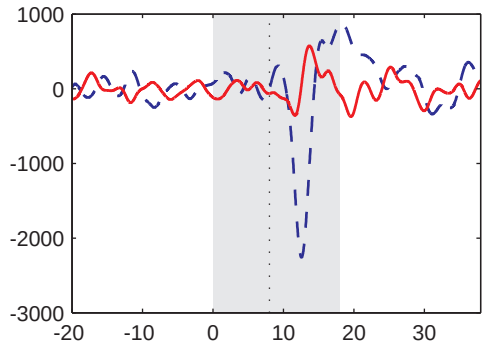
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



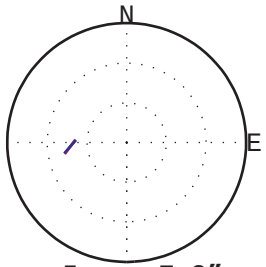




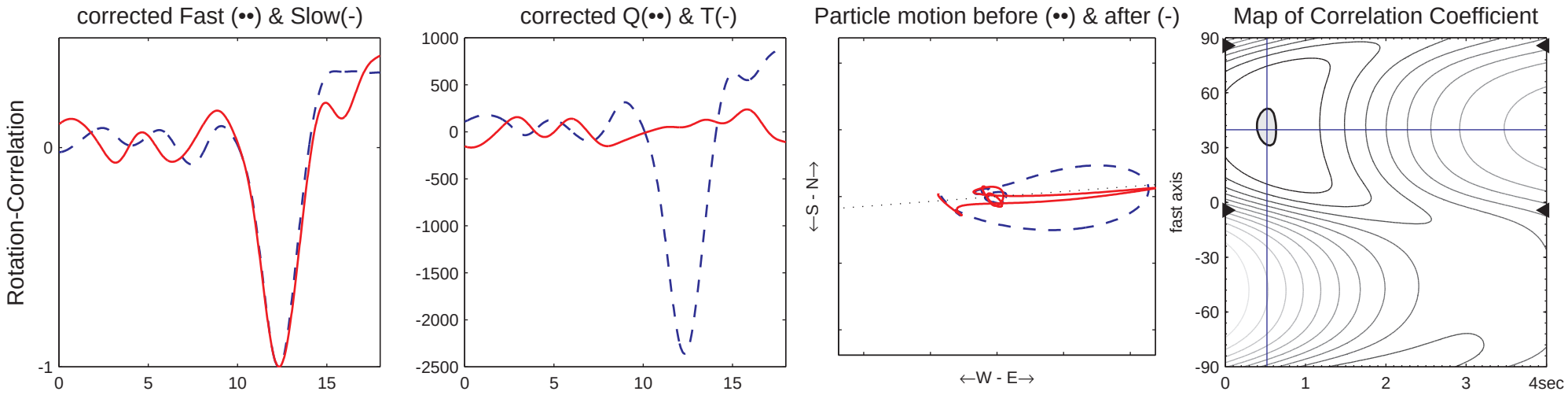
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km Mw=6.1**
Station: **IKL** Backazimuth: **265.7”** Distance: **110.09”**
init.Pol.: **87.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.4**

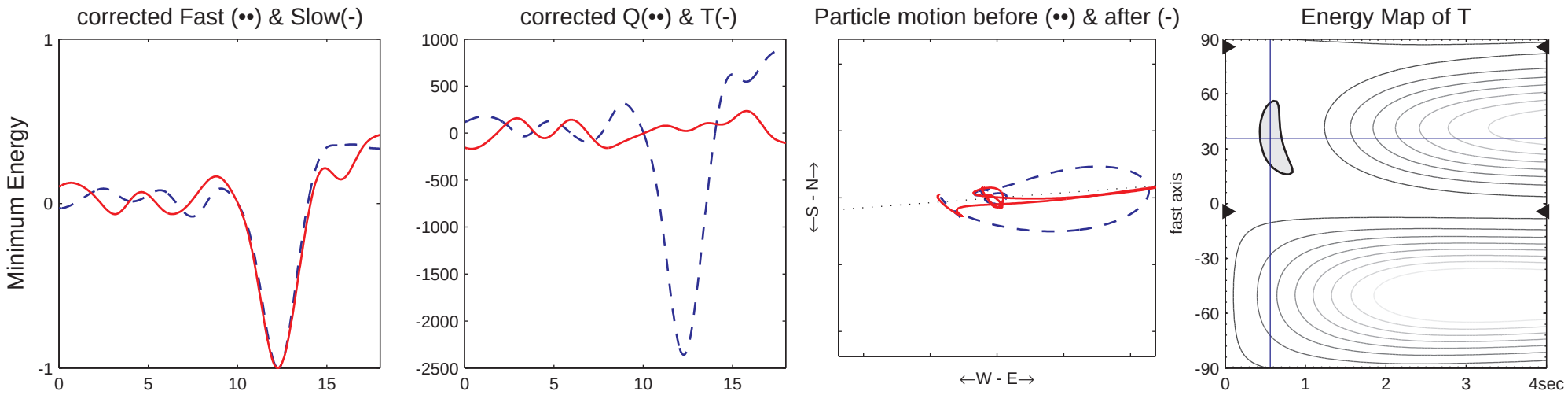
Rotation Correlation:	31<	40° <	51	0.4<0.5s<0.6
Minimum Energy:	15<	36° <	56	0.4<0.6s<0.8
Eigenvalue:	11<	42° <	72	0.4<0.6s<0.9

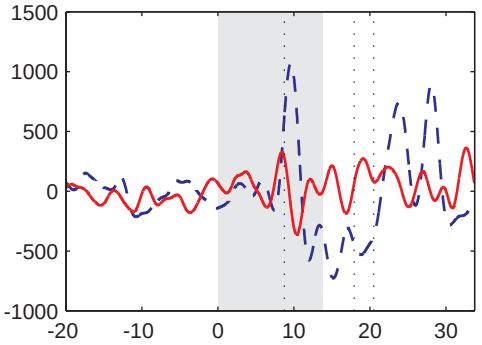
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



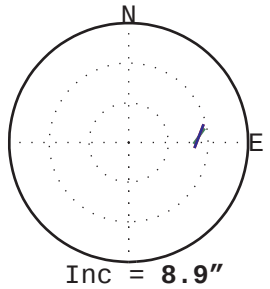


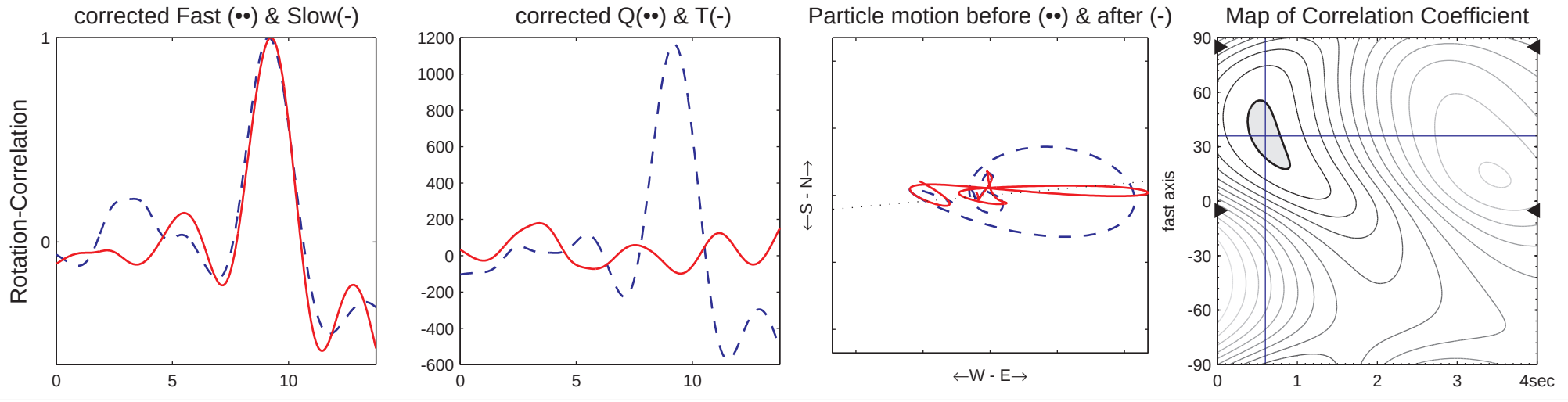


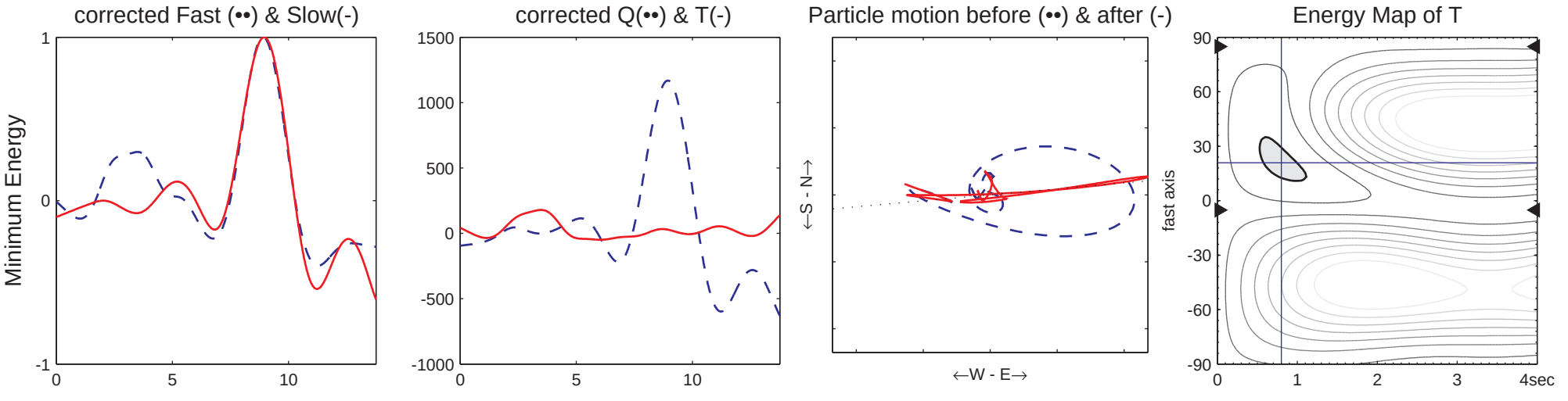
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **IKL** Backazimuth: **84.9”** Distance: **97.69”**
init.Pol.: **265.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.4**

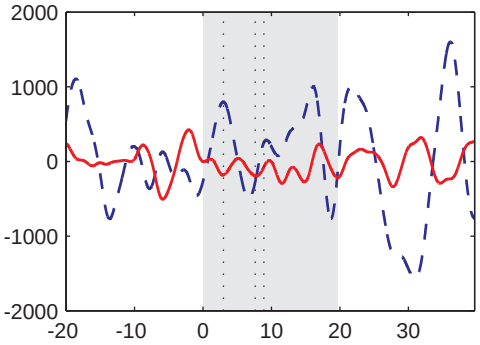
Rotation Correlation:	18<	36° <	56	0.4<0.6s<0.9
Minimum Energy:	11<	21° <	35	0.5<0.8s<1.1
Eigenvalue:	9<	21° <	43	0.5<0.8s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





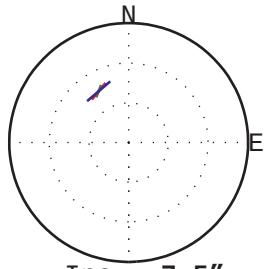


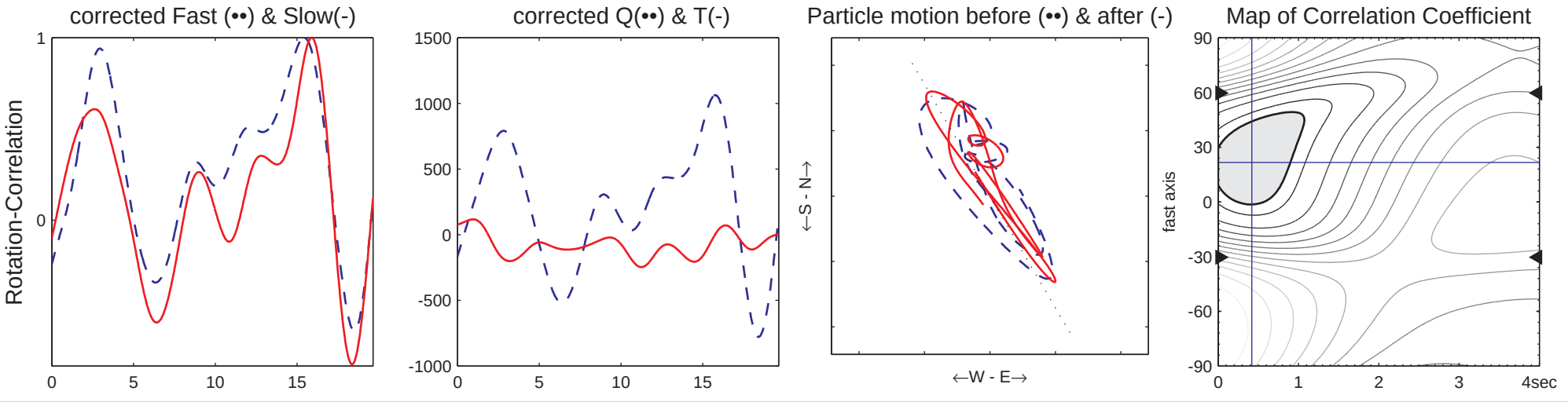


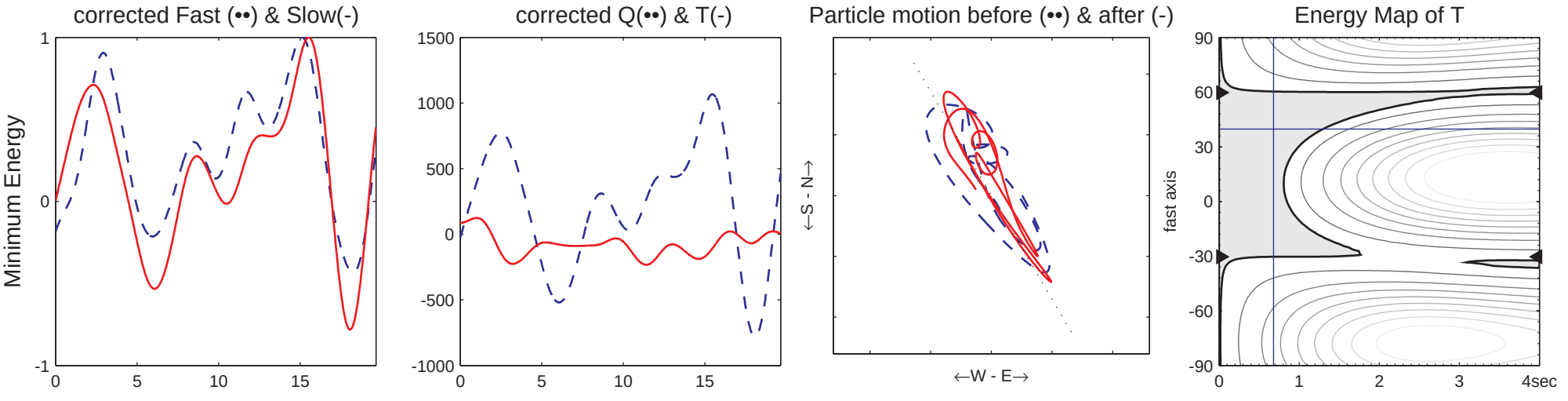
Event: **03-Aug-2009 (215) 17:59 29.04N -112.90E 10km Mw=6.9**
Station: **IKL** Backazimuth: **329.7”** Distance: **107.56”**
init.Pol.: **154.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

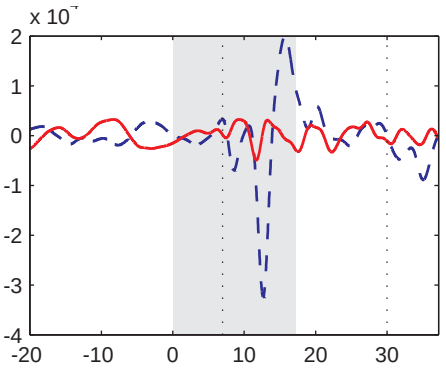
Rotation Correlation:	-2<	22° <	49	0.0<0.4s<1.1
Minimum Energy:	-Inf<	40° <	Inf	0.0<0.7s<Inf
Eigenvalue:	-31<	50° <	68	0.1<1.0s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





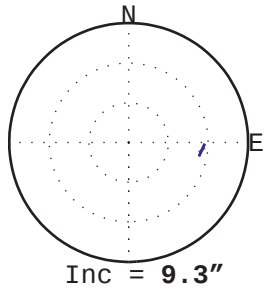


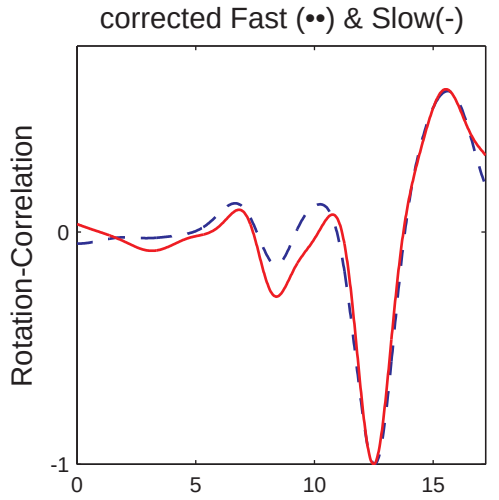


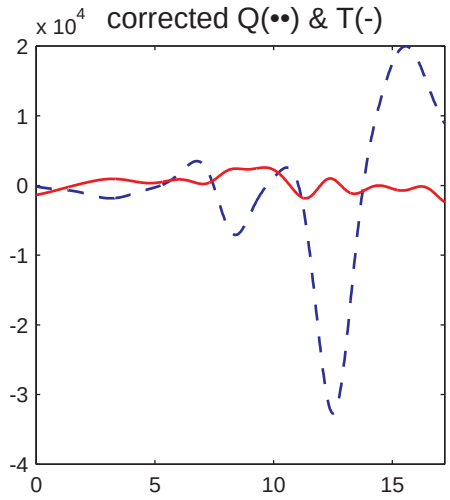
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **IKL** Backazimuth: **95.9”** Distance: **94.01”**
init.Pol.: **275.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**15.6**

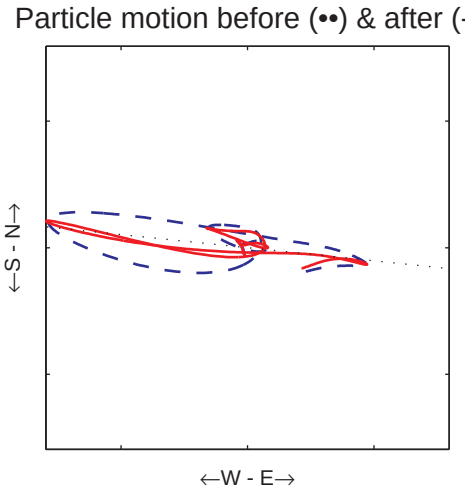
Rotation Correlation:	39<	49° <	61	0.2<0.2s<0.3
Minimum Energy:	15<	26° <	56	0.2<0.4s<0.8
Eigenvalue:	13<	24° <	62	0.2<0.4s<0.8

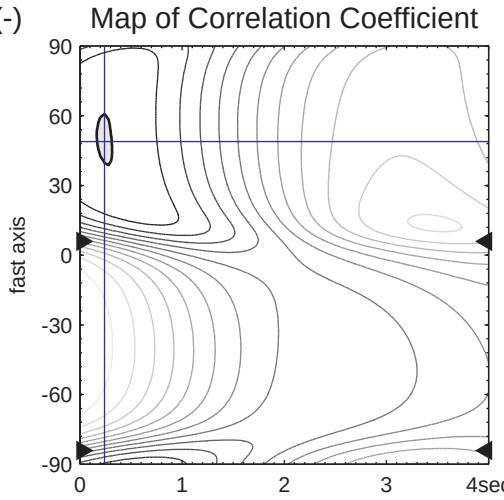
Quality: **fair** IsNull: **No** Phase: **SKS**

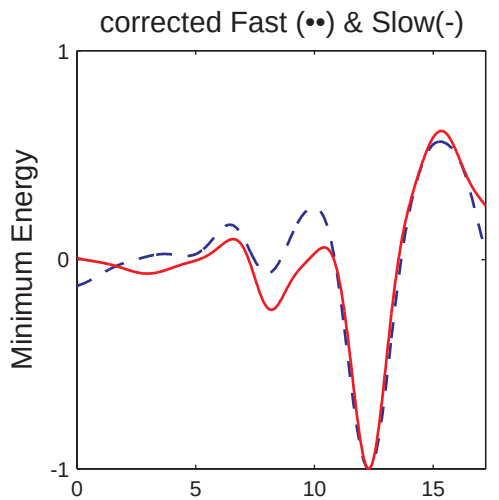


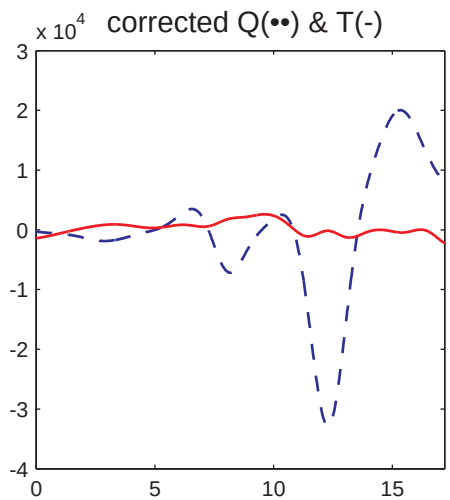


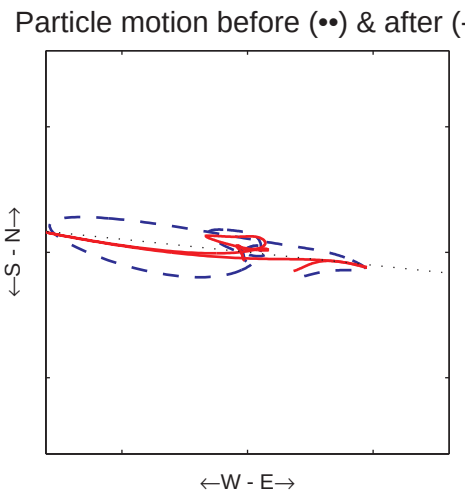


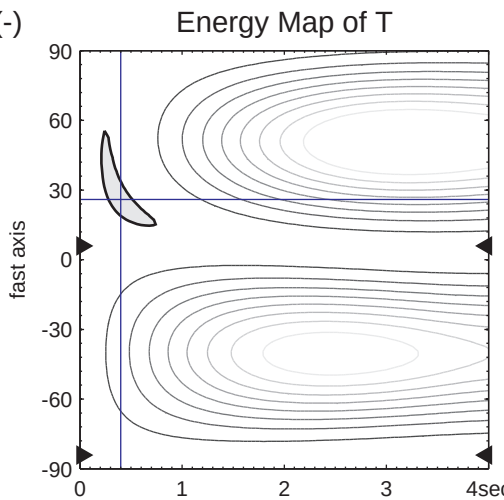


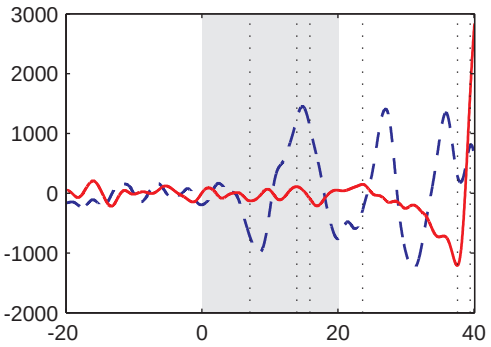








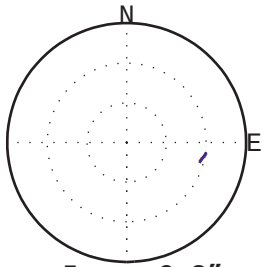




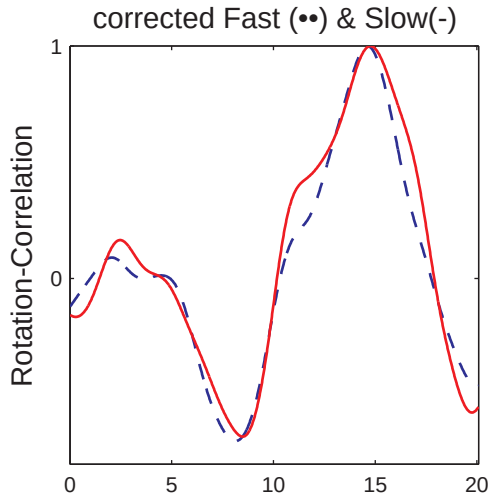
Event: **28-Nov-2009 (332) 06:04 -10.40N 118.89E 15km Mw=6.0**
Station: **IKL** Backazimuth: **101.2”** Distance: **92.31”**
init.Pol.: **280.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.5**

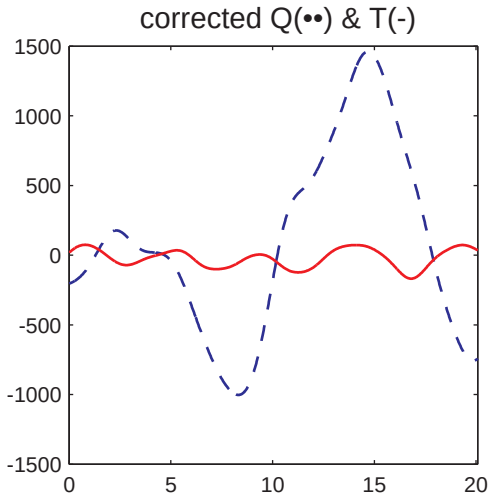
Rotation Correlation:	43<	55° <	69	0.0<0.2s<0.4
Minimum Energy:	15<	43° <	-86	0.1<0.3s<1.4
Eigenvalue:	13<	33° <	-84	0.1<0.4s<1.6

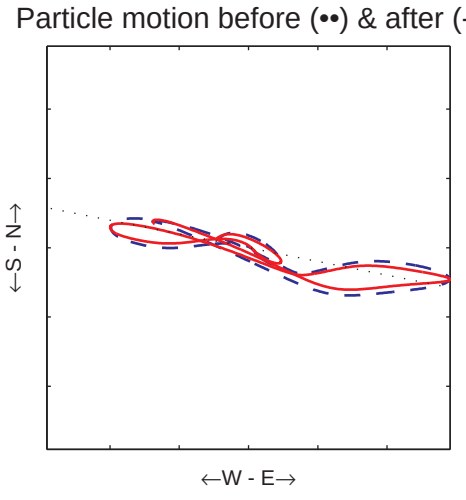
Quality: **fair** IsNull: **No** Phase: **SKS**

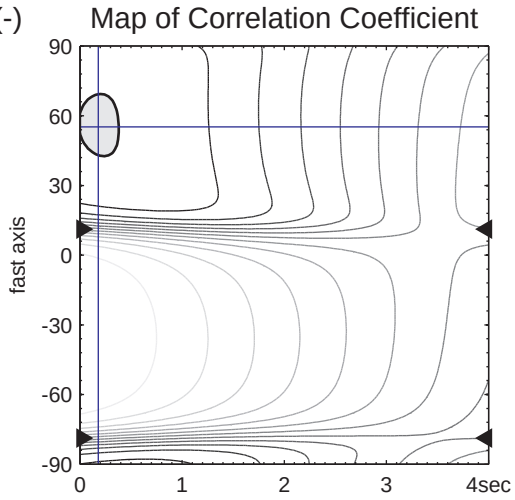


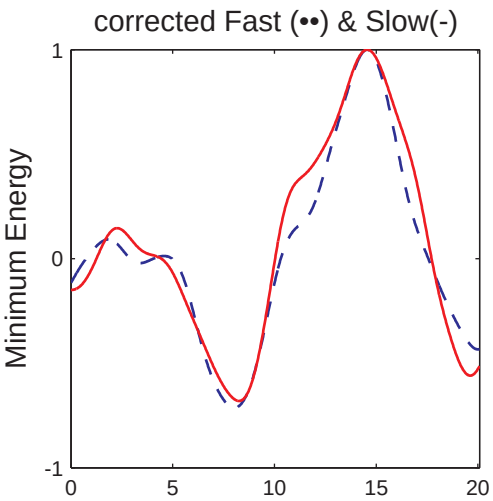
Inc = **9.8”**

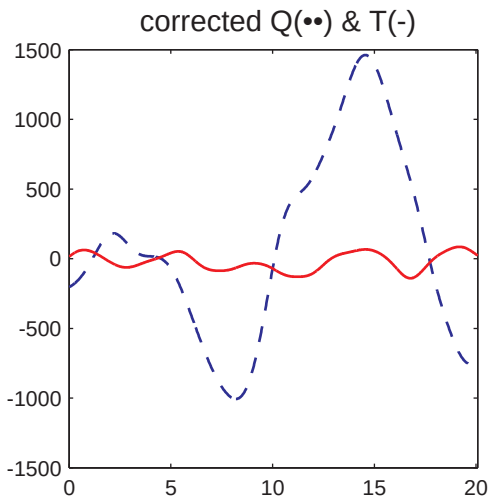


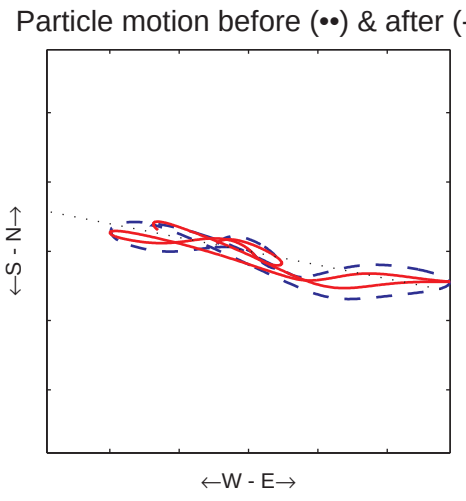


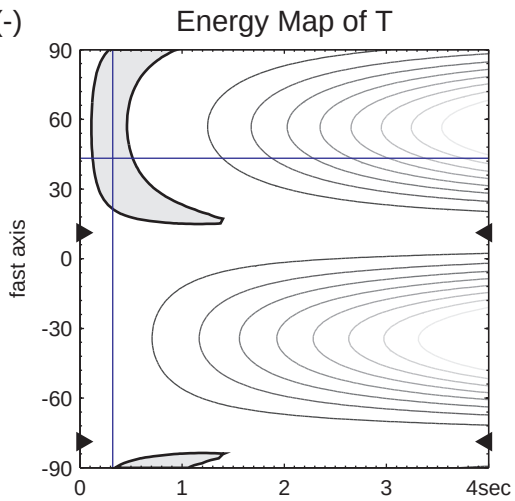


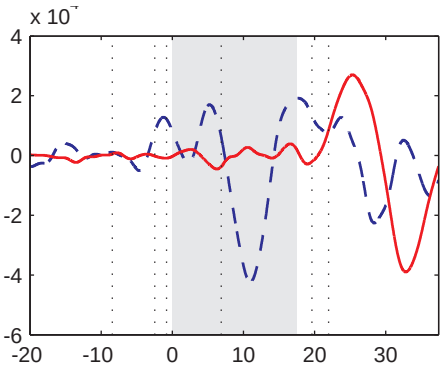








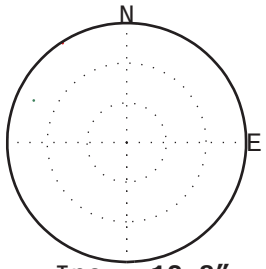




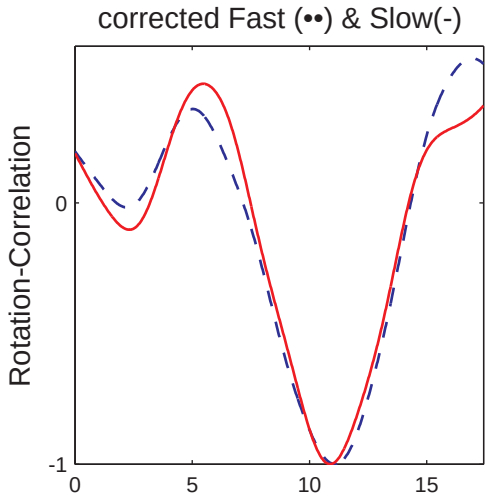
Event: **12-Jan-2010 (012) 21:53 18.44N -72.57E 13km Mw=7.0**
Station: **IKL** Backazimuth: **294.3”** Distance: **91.56”**
init.Pol.: **110.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.8**

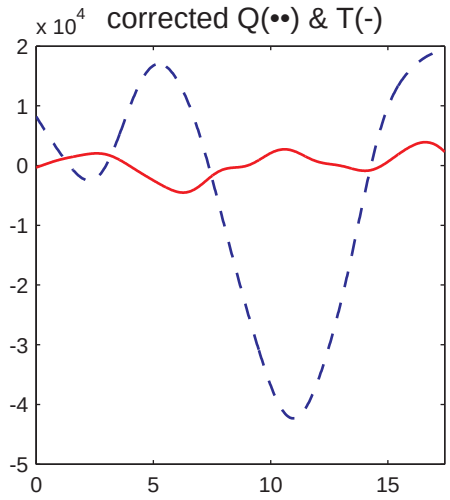
Rotation Correlation:	56<	71° <	87	0.0<0.0s<0.2
Minimum Energy:	27<	26° <	31	1.4<4.0s<4.0
Eigenvalue:	23<	24° <	29	2.6<4.0s<4.0

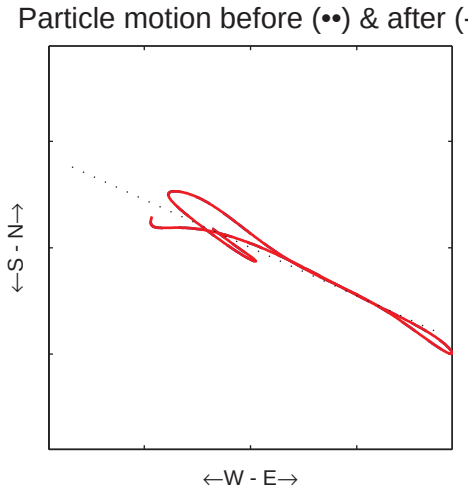
Quality: **good** IsNull: **Yes** Phase: **SKKS**

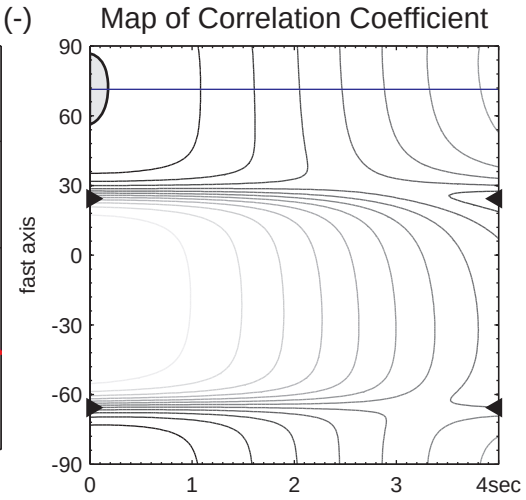


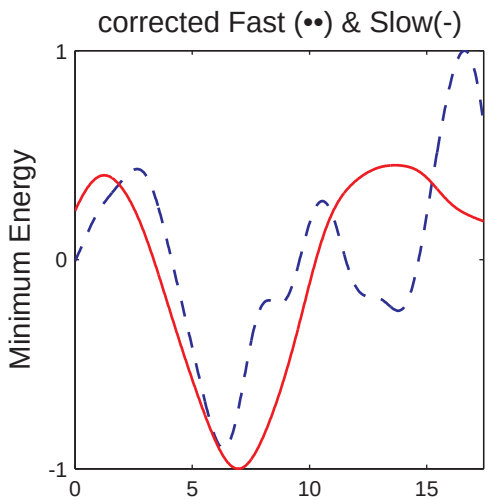
Inc = **12.8”**

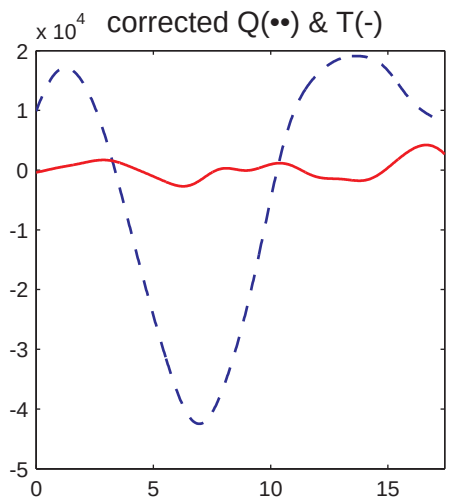


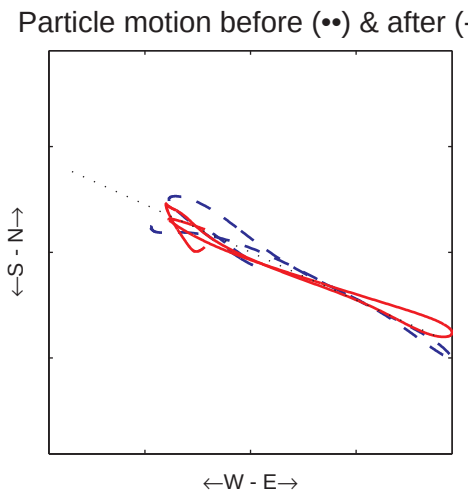


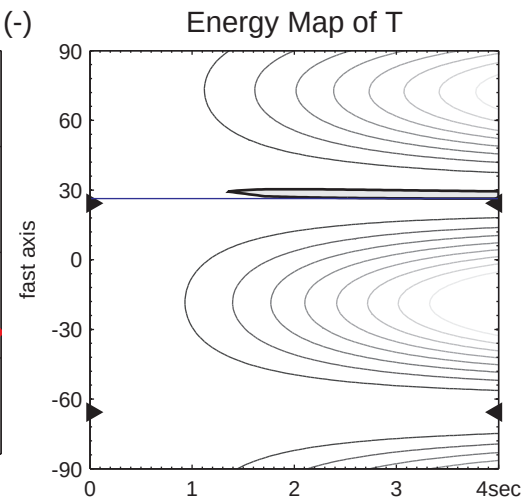


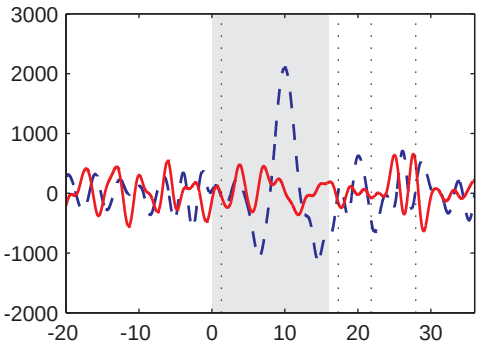








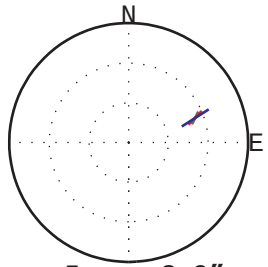


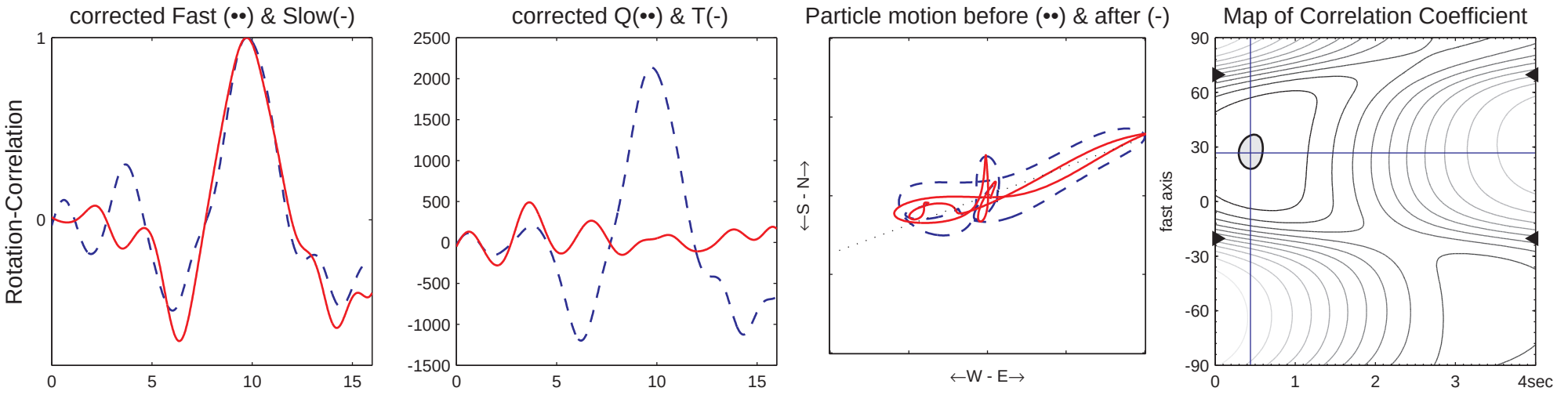


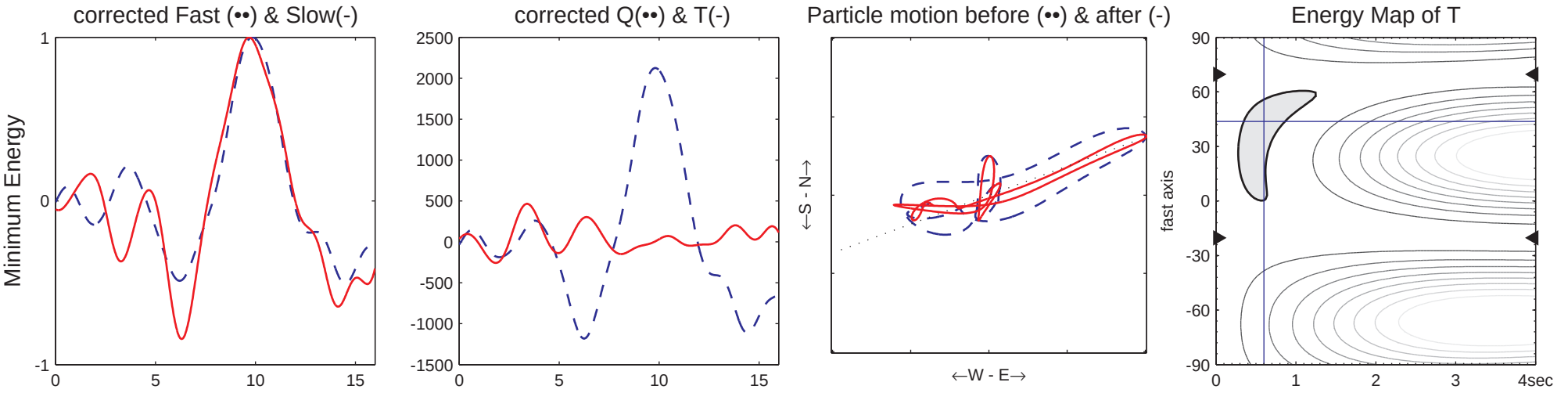
Event: **14-Jan-2010 (014) 14:03 11.51N 142.08E 37km Mw=5.8**
Station: **IKL** Backazimuth: **69.7”** Distance: **97.55”**
init.Pol.: **254.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

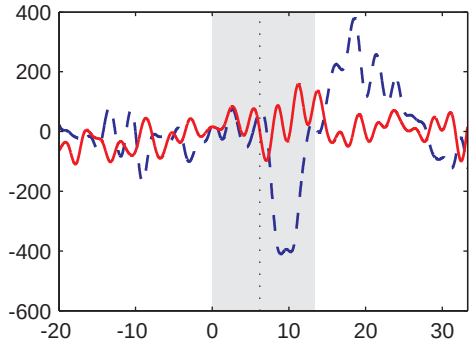
Rotation Correlation:	18<	27° <	37	0.3<0.4s<0.6
Minimum Energy:	1<	44° <	60	0.3<0.6s<1.2
Eigenvalue:	29<	58° <	66	0.4<1.0s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





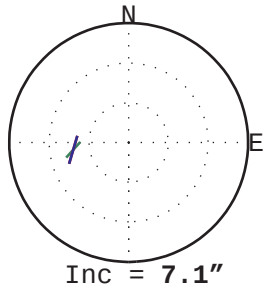


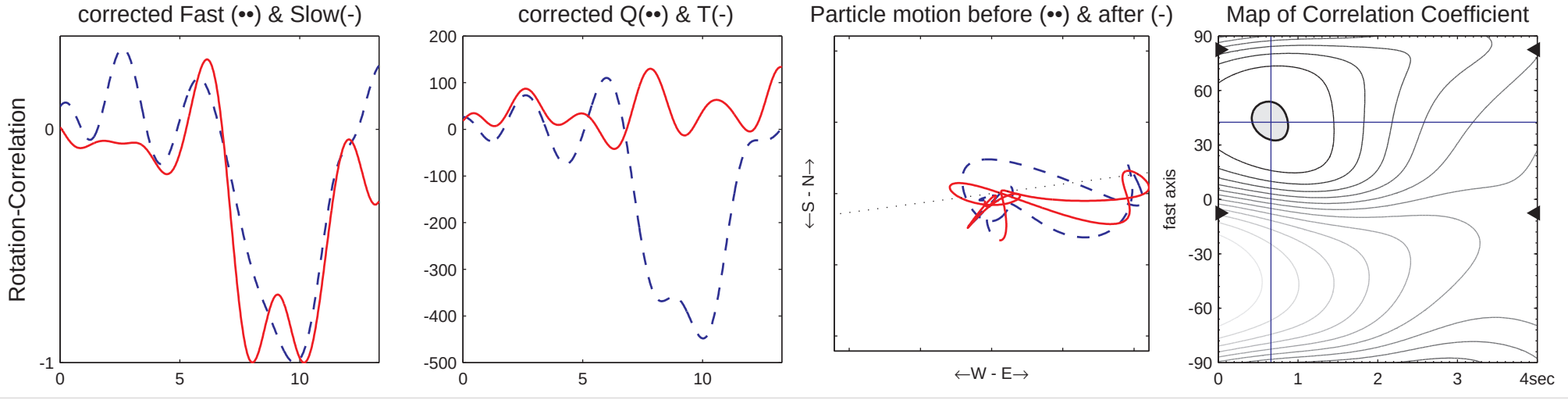


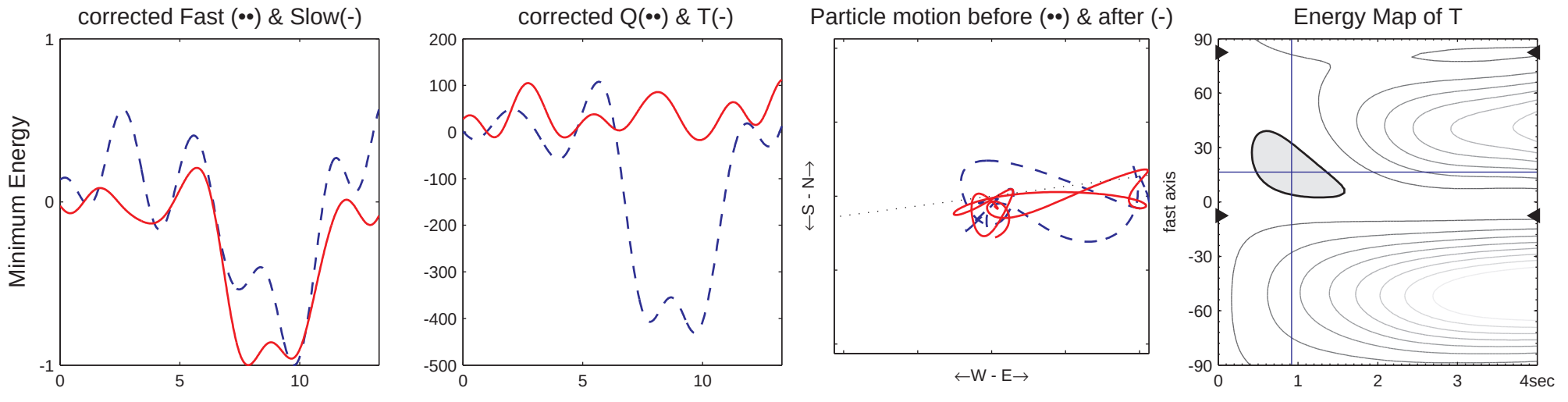
Event: **06-Mar-2011 (065) 12:31 -18.02N -69.36E 118km** Mw=**6.3**
Station: **IKL** Backazimuth: **262.5”** Distance: **110.86”**
init.Pol.: **82.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

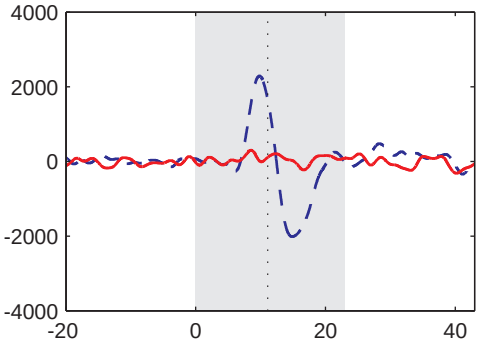
Rotation Correlation:	33<	42° <	54	0.4<0.7s<0.9
Minimum Energy:	3<	16° <	39	0.4<0.9s<1.6
Eigenvalue:	5<	16° <	35	0.6<0.9s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





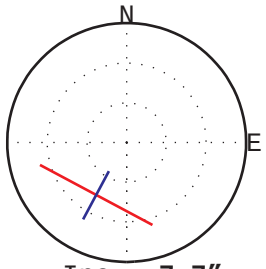




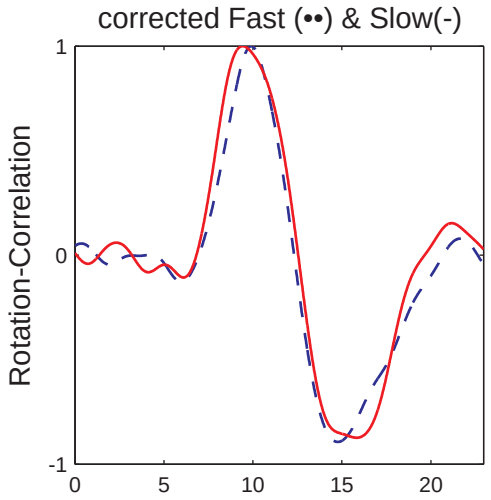
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **IKL** Backazimuth: **210.1”** Distance: **105.93”**
init.Pol.: **26.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.5**

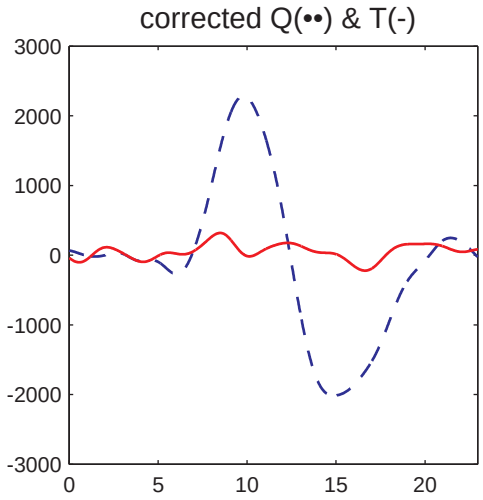
Rotation Correlation:	63<	72° <	84	0.0<0.0s<0.2
Minimum Energy:	-64<	-62° <	-62	1.4<4.0s<4.0
Eigenvalue:	-Inf<	28° <	Inf	0.0<1.7s<Inf

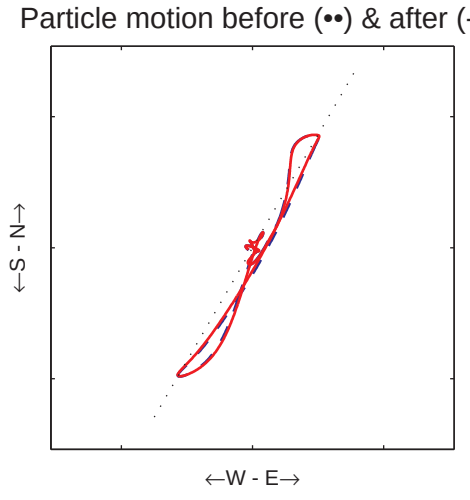
Quality: **good** IsNull: **Yes** Phase: **SKS**

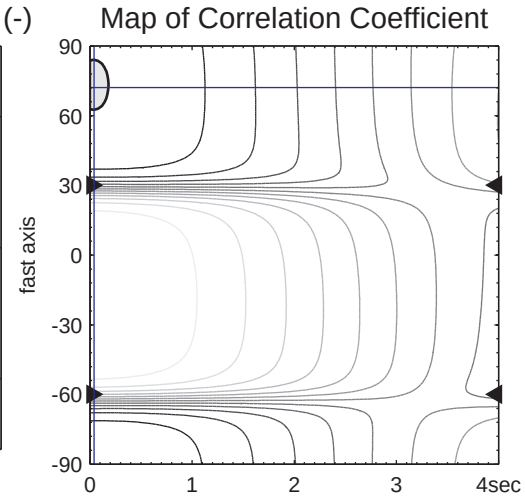


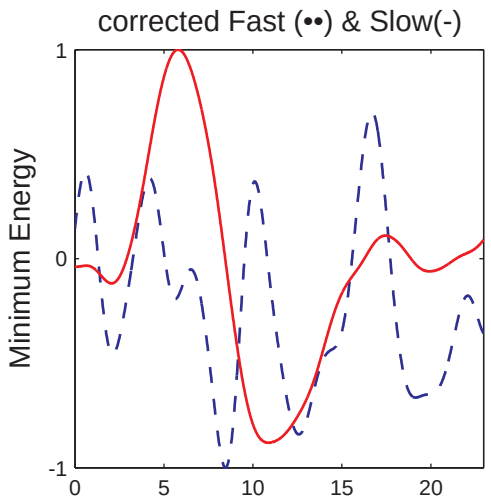
Inc = **7.7”**

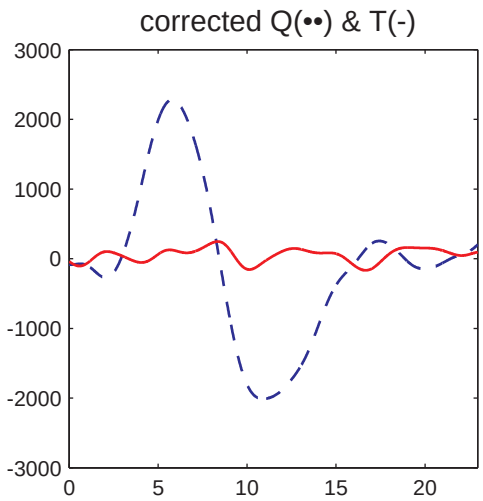


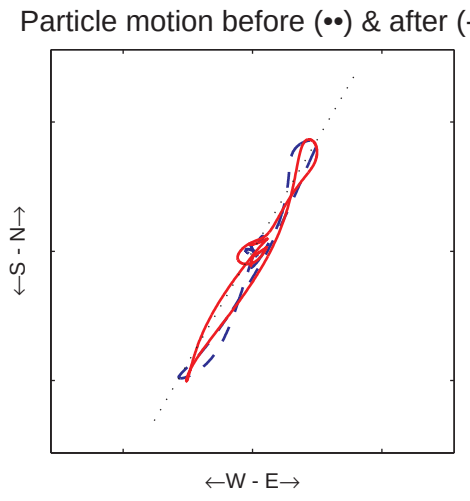


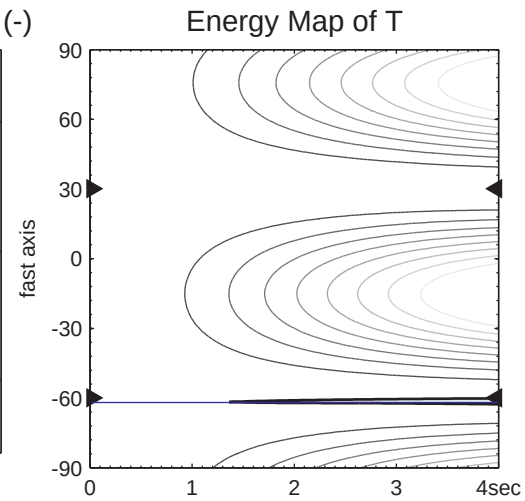


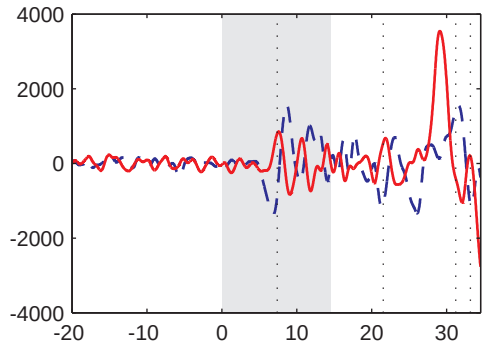








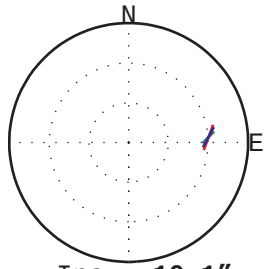




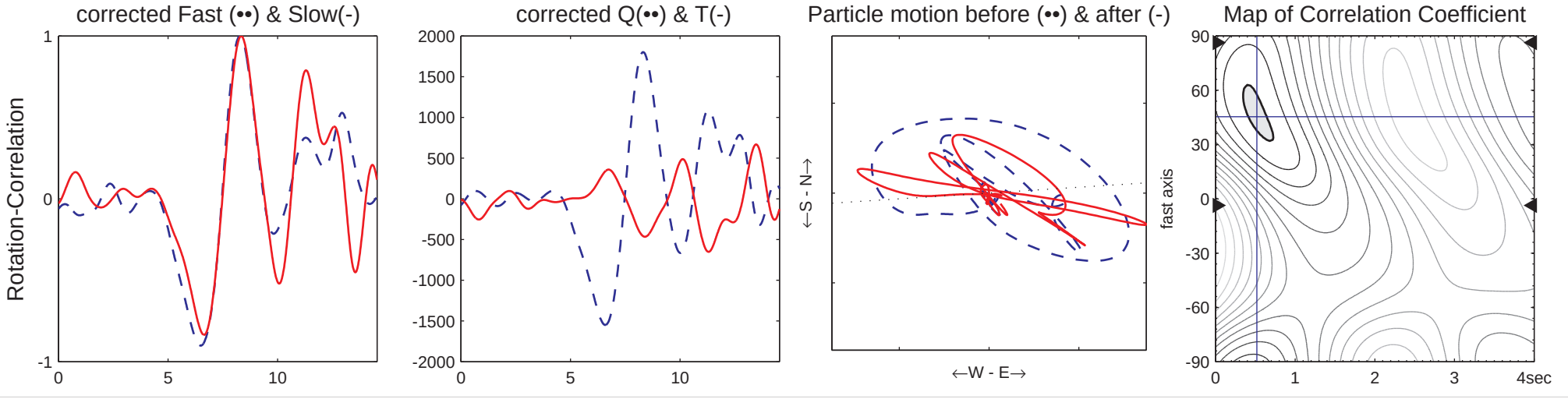
Event: **13-Jun-2011 (164) 14:31** **2.52N 126.46E** **61km** Mw=**6.3**
Station: **IKL** Backazimuth: **86.3”** Distance: **90.75”**
init.Pol.: **275.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.4**

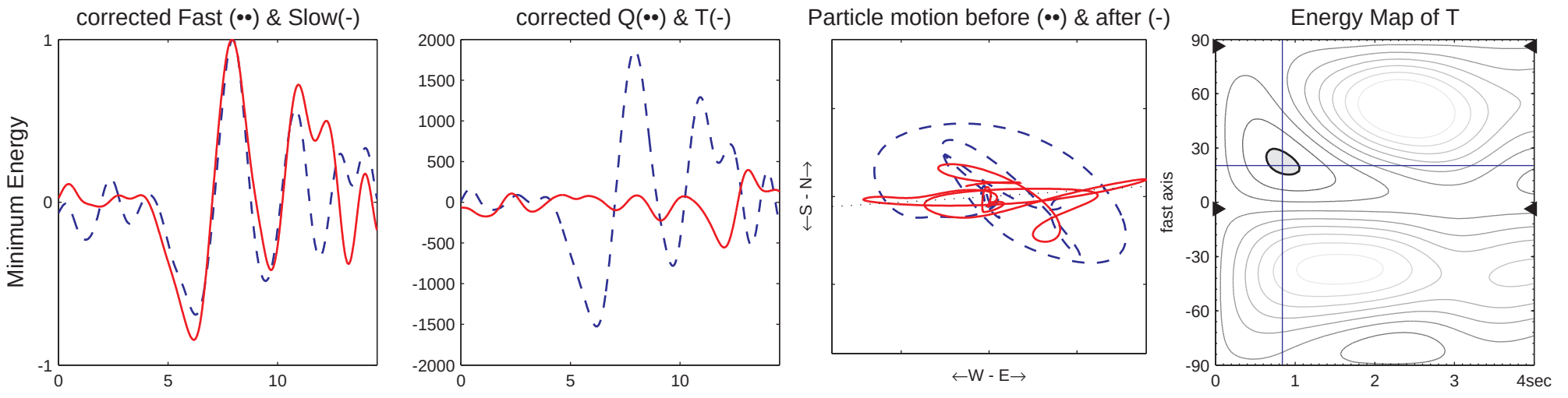
Rotation Correlation:	32<	45° <	63	0.4<0.5s<0.7
Minimum Energy:	15<	20° <	29	0.6<0.8s<1.0
Eigenvalue:	19<	28° <	43	0.5<0.7s<1.0

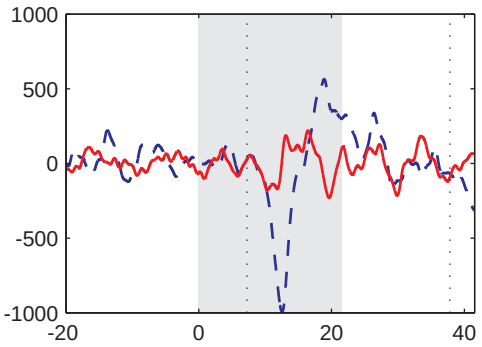
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



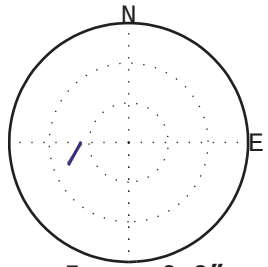




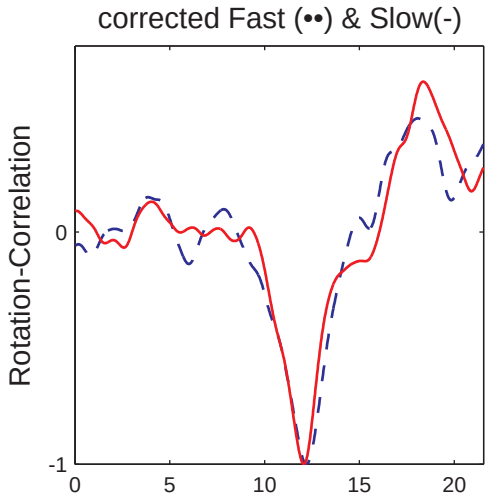
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **IKL** Backazimuth: **258.5”** Distance: **111.92”**
init.Pol.: **78.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.1**

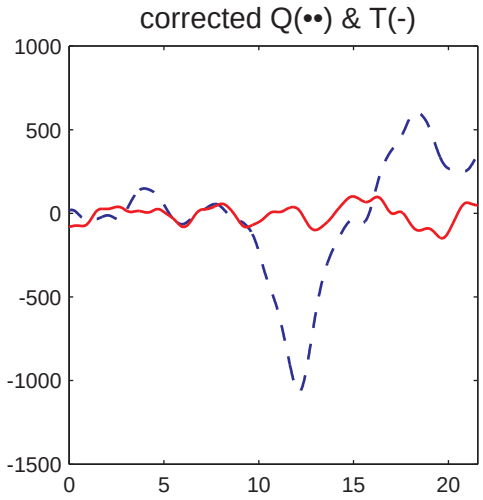
Rotation Correlation:	24<	34° <	46	0.6<0.8s<1.0
Minimum Energy:	13<	29° <	50	0.6<0.8s<1.1
Eigenvalue:	11<	29° <	54	0.6<0.8s<1.2

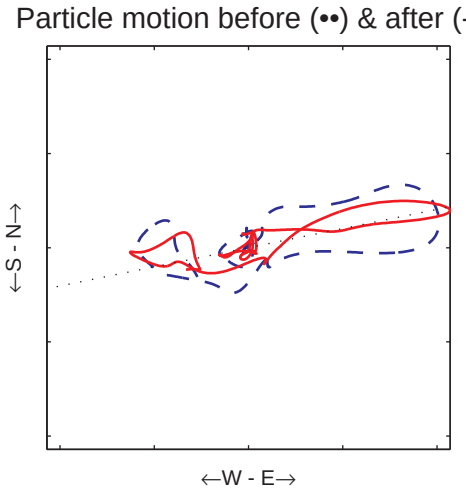
Quality: **good** IsNull: **No** Phase: **SKS**

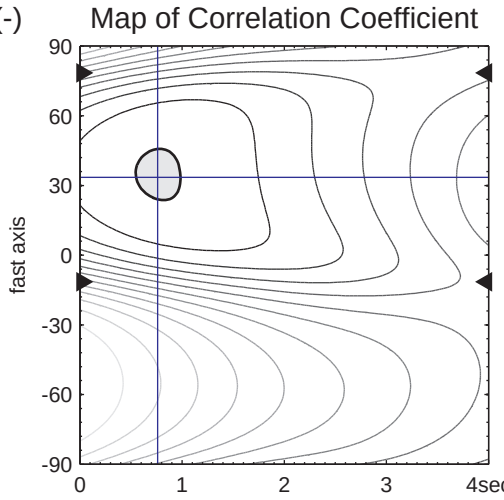


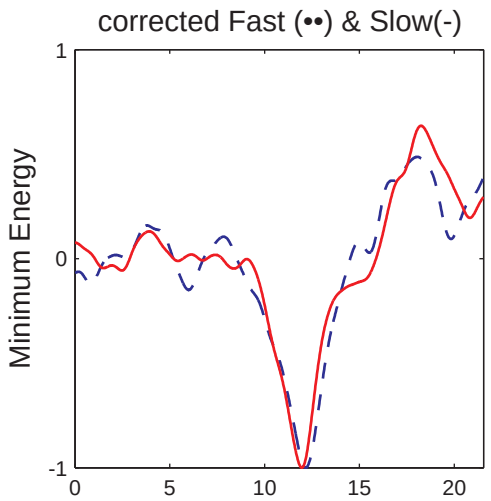
Inc = **6.9”**

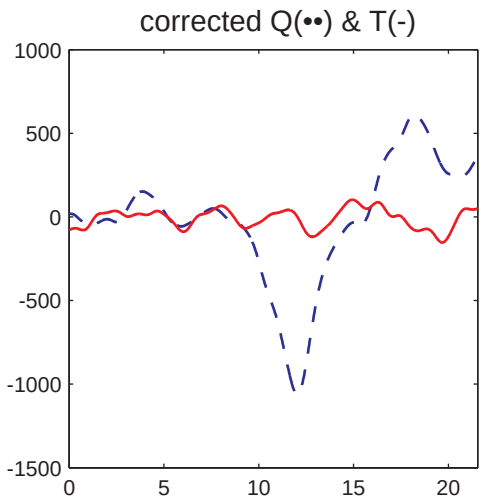


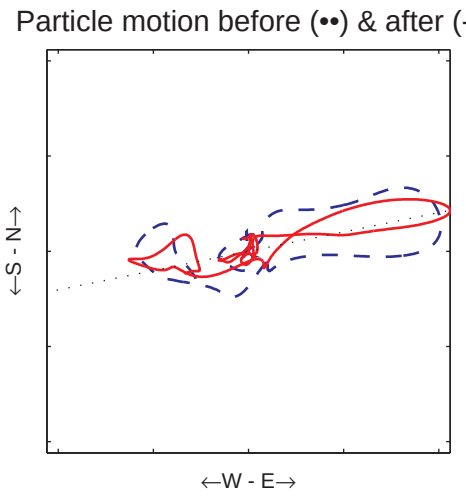


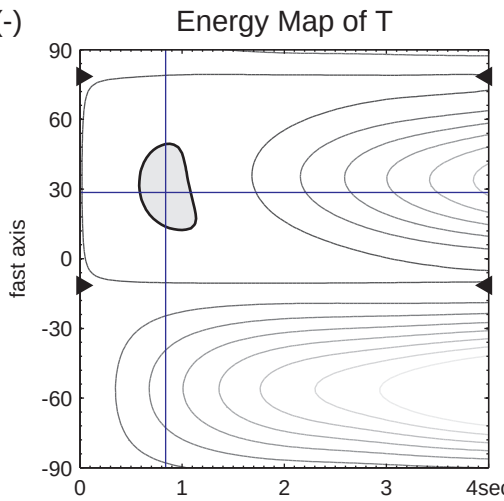


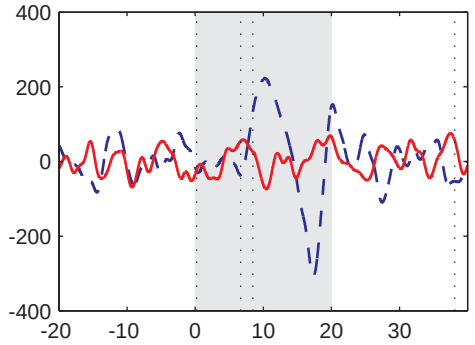








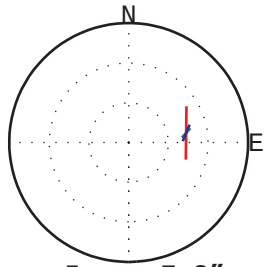




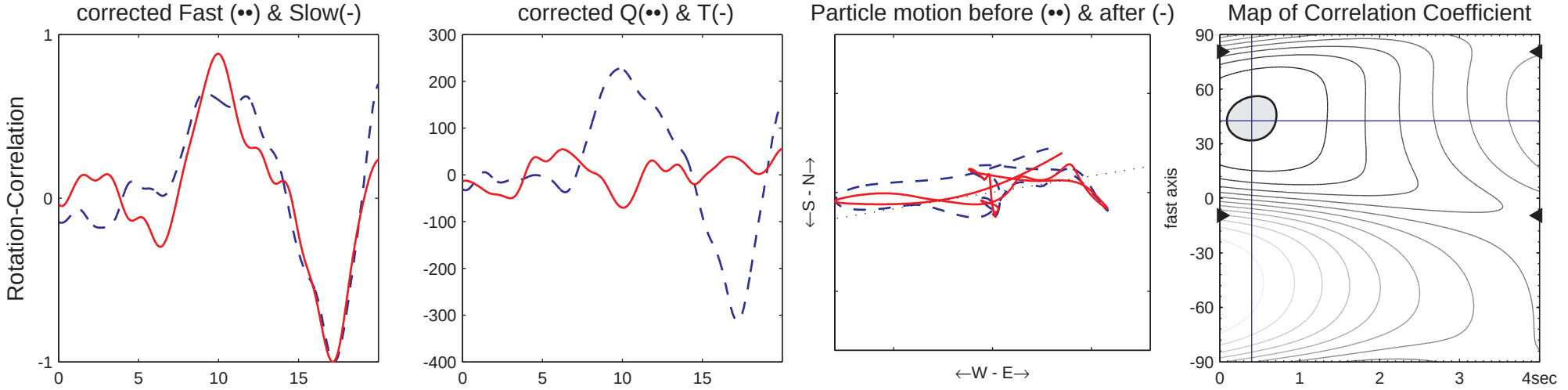
Event: **12-Sep-2011 (255) 22:44 -3.63N 144.18E 14km Mw=5.9**
Station: **IKL** Backazimuth: **80.6”** Distance: **108.61”**
init.Pol.: **265.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

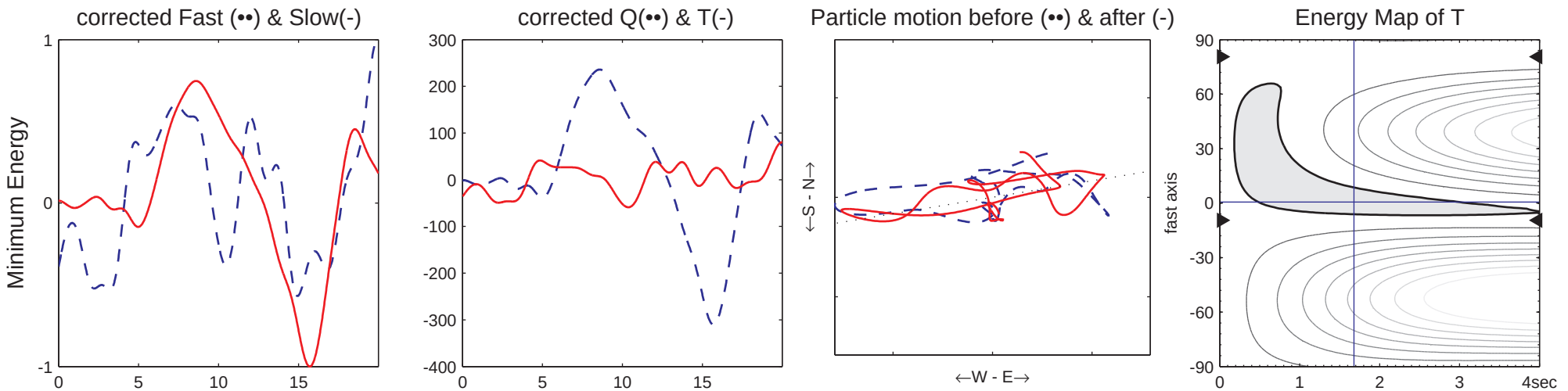
Rotation Correlation:	32<	43° <	56	0.1<0.4s<0.7
Minimum Energy:	-7<	1° <	66	0.2<1.7s<4.0
Eigenvalue:	-7<	23° <	-90	0.1<0.6s<4.0

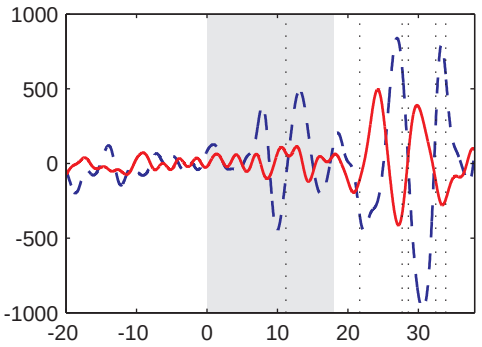
Quality: **fair** IsNull: **Yes** Phase: **SKS**



Inc = **7.3”**



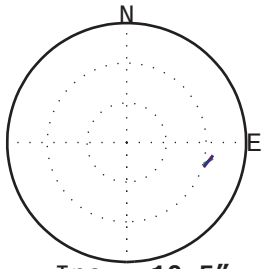




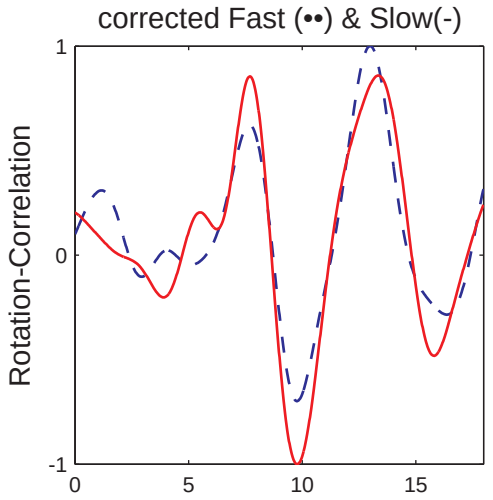
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **IKL** Backazimuth: **102.9”** Distance: **88.29”**
init.Pol.: **283.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

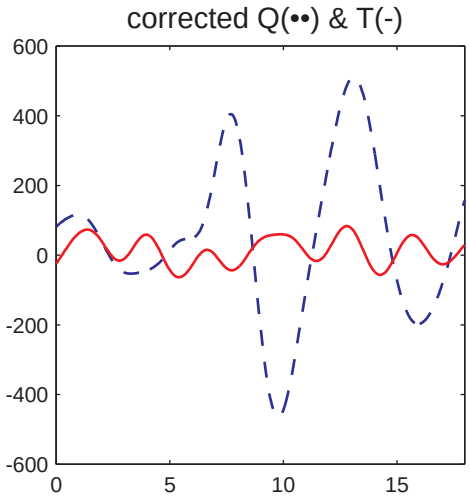
Rotation Correlation:	51<	59° <	68	0.3<0.3s<0.4
Minimum Energy:	25<	37° <	72	0.3<0.5s<0.9
Eigenvalue:	19<	41° <	-92	0.2<0.4s<1.1

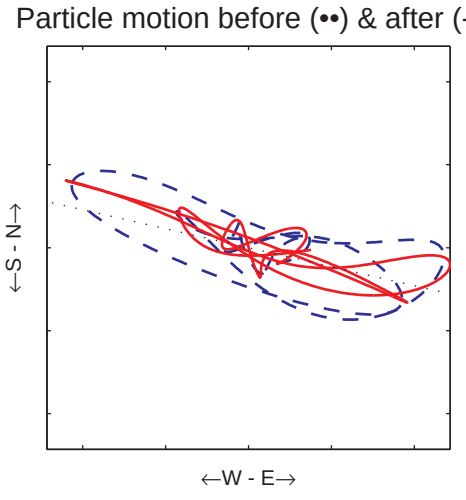
Quality: **fair** IsNull: **No** Phase: **SKS**

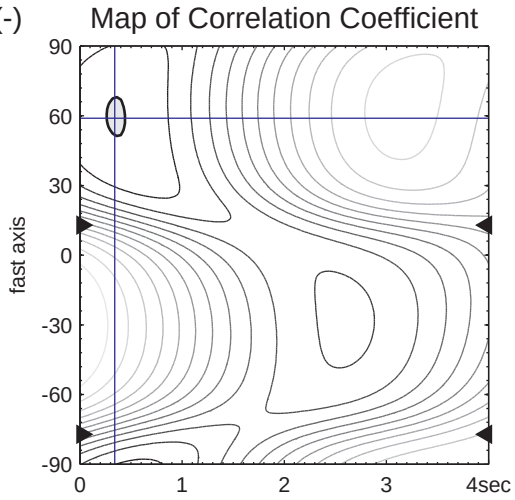


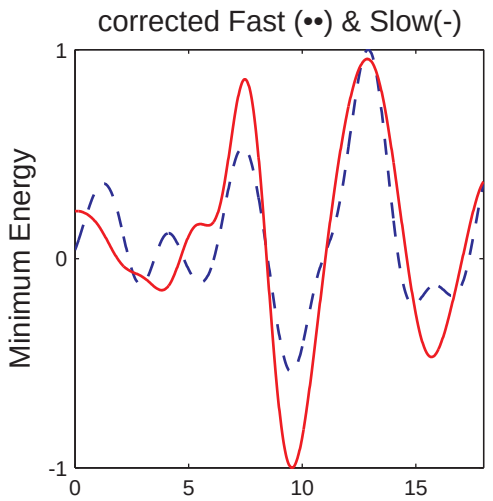
Inc = **10.5”**

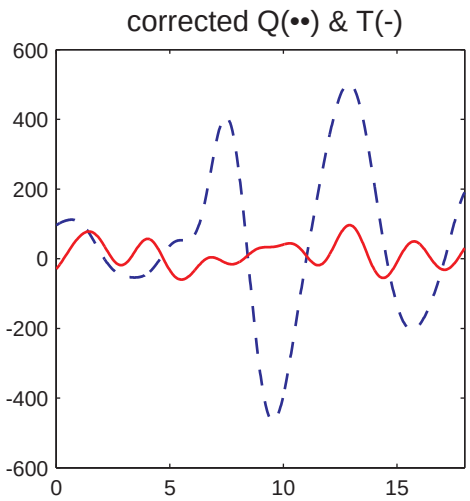


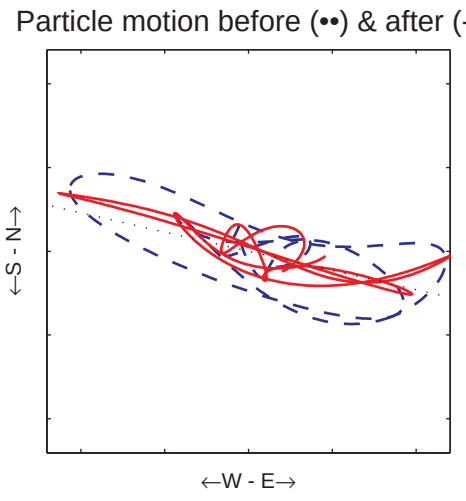


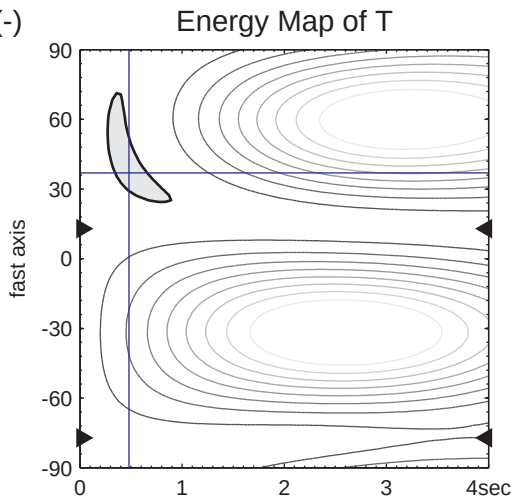


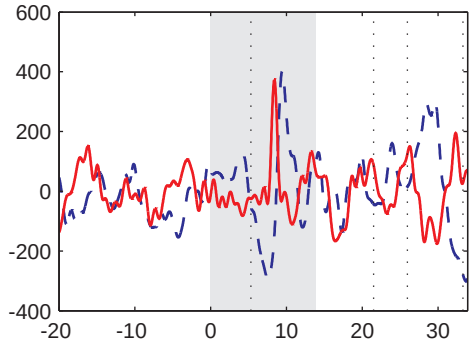








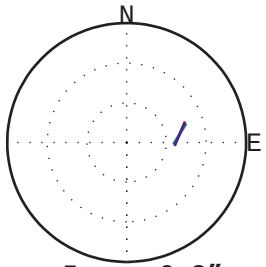




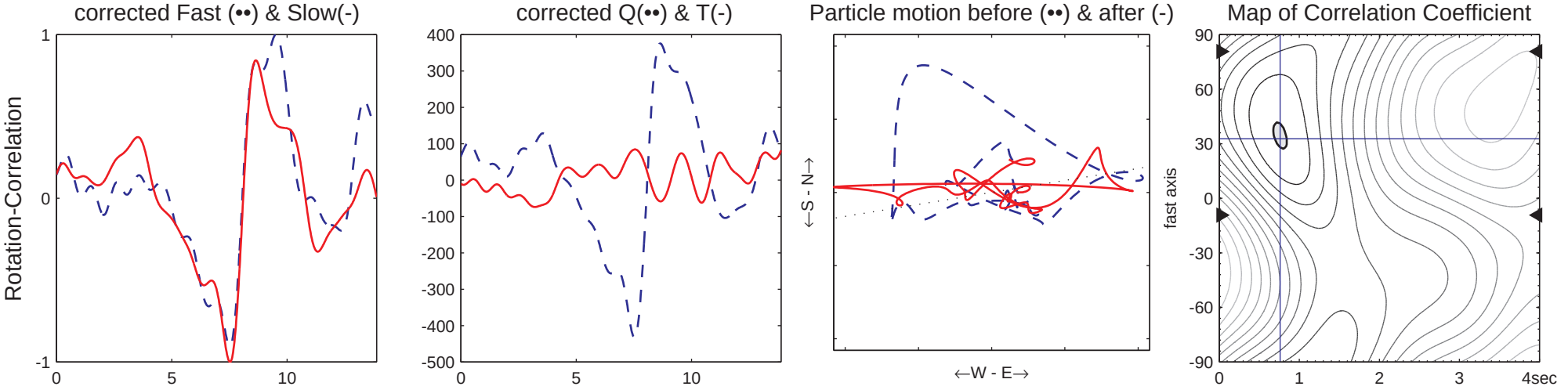
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **IKL** Backazimuth: **80.7”** Distance: **113.33”**
init.Pol.: **262.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.6**

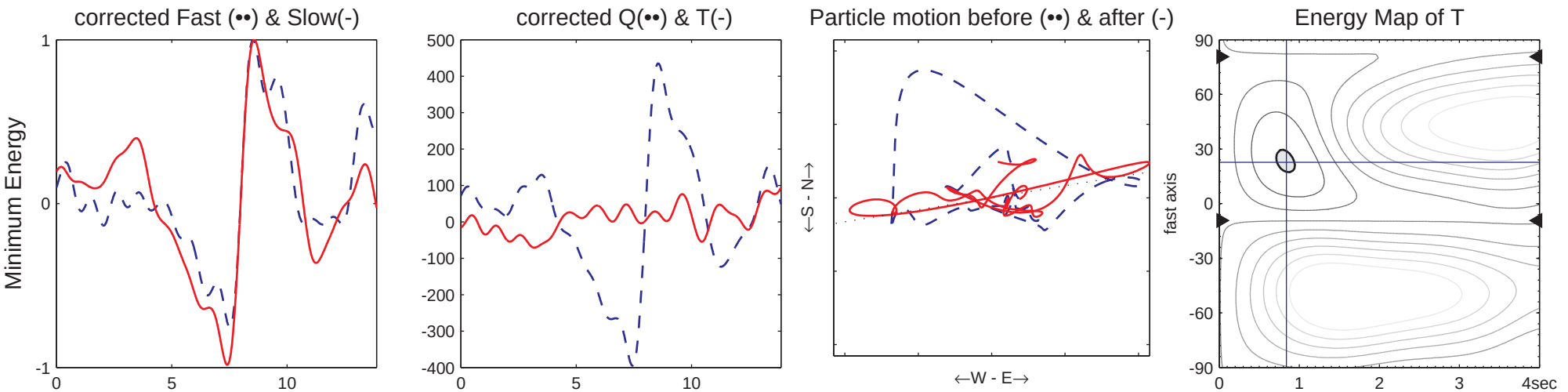
Rotation Correlation:	28<	33° <	42	0.7<0.8s<0.8
Minimum Energy:	17<	23° <	29	0.7<0.8s<1.0
Eigenvalue:	15<	25° <	35	0.7<0.8s<0.9

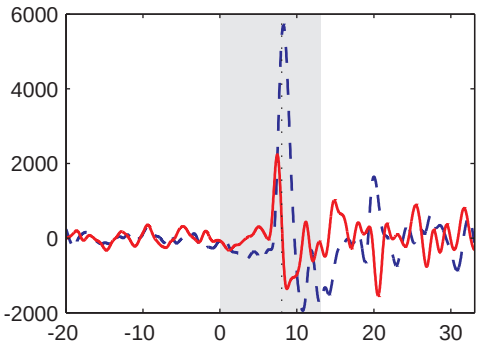
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



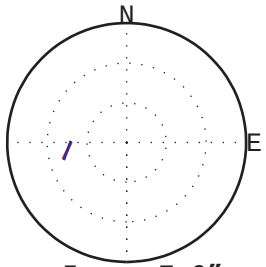




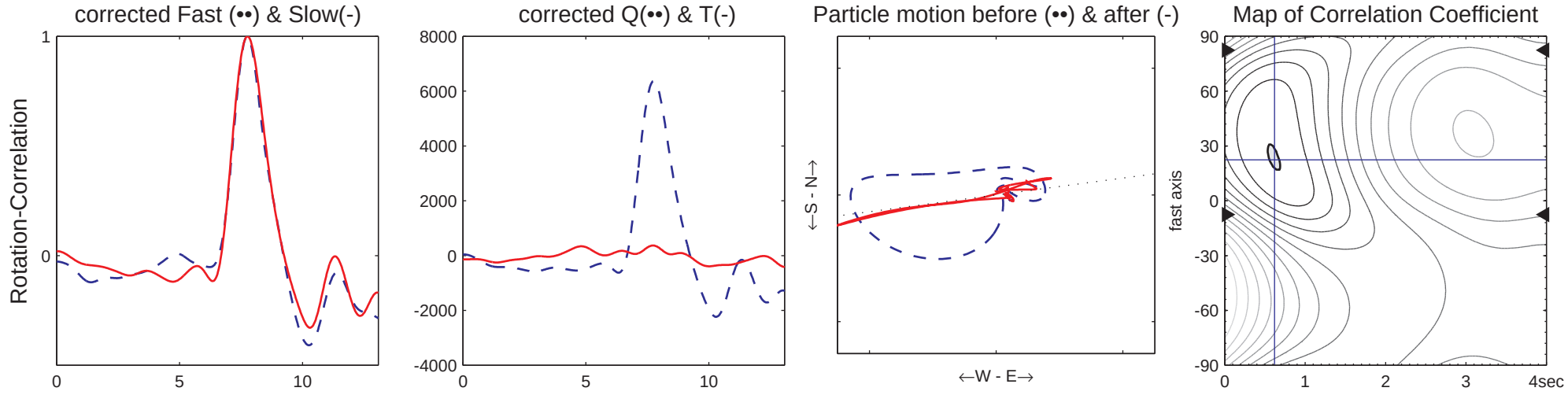
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **IKL** Backazimuth: **262.4”** Distance: **105.98”**
init.Pol.: **78.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**16.7**

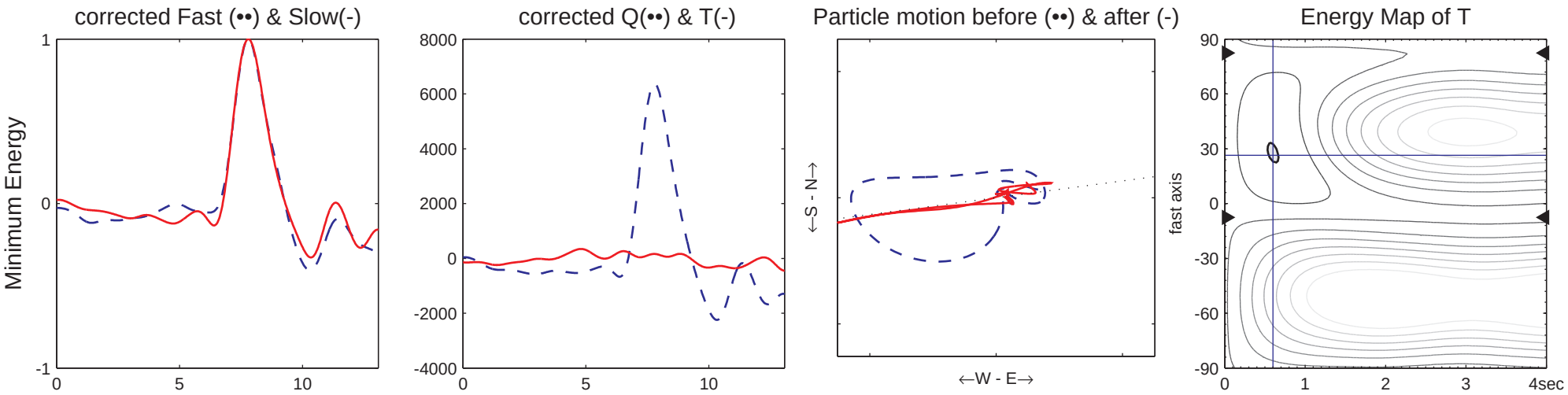
Rotation Correlation:	17<	22° <	31	0.5<0.6s<0.7
Minimum Energy:	23<	26° <	33	0.5<0.6s<0.7
Eigenvalue:	15<	20° <	25	0.6<0.6s<0.7

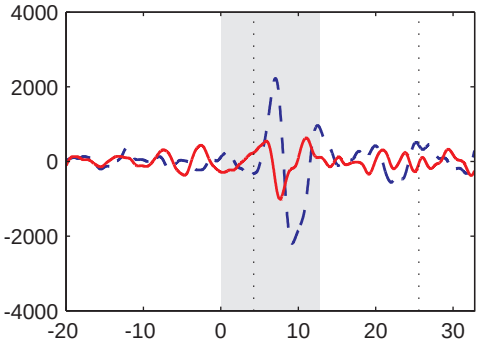
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.6”**



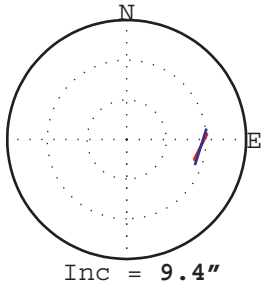


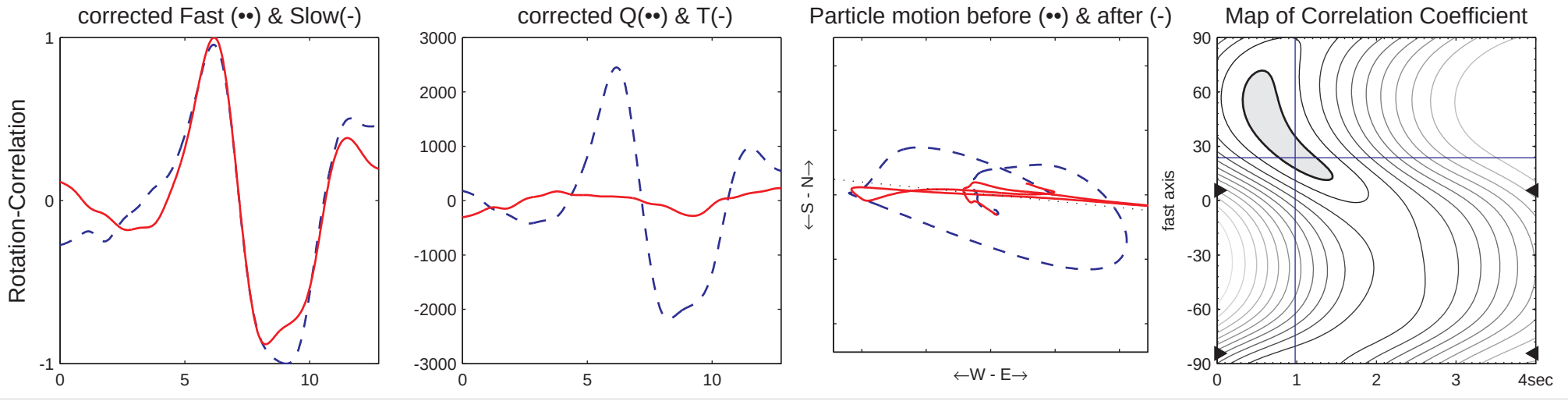


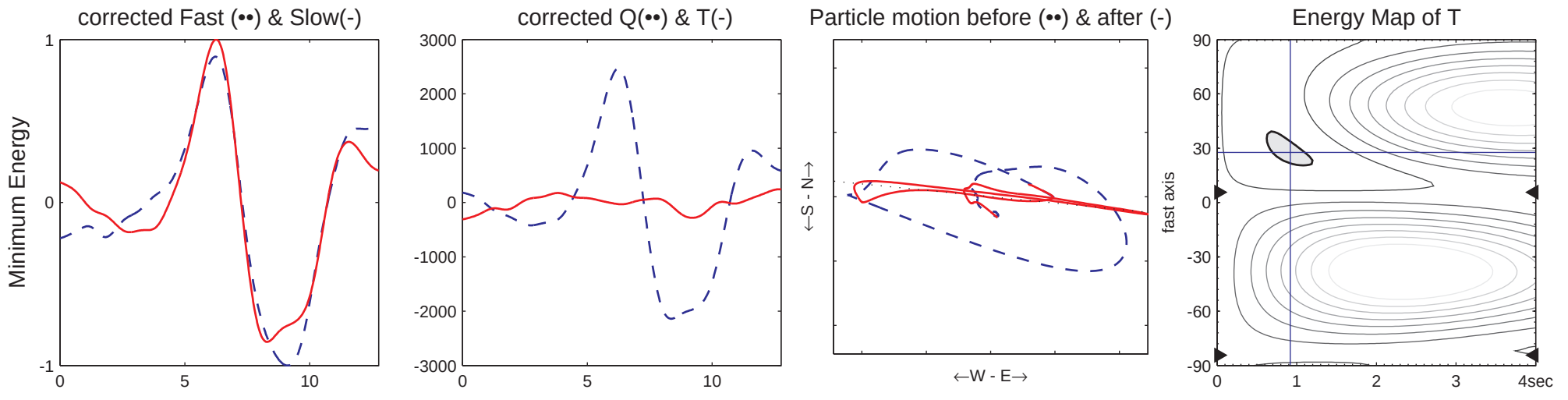
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km** Mw=**6.1**
Station: **ILIC** Backazimuth: **95.7”** Distance: **94.63”**
init.Pol.: **267.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.1**

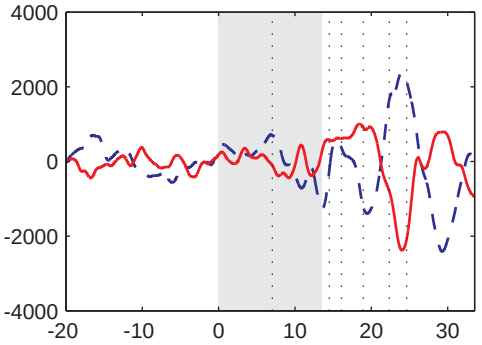
Rotation Correlation:	12<	24° <	72	0.3<1.0s<1.4
Minimum Energy:	21<	28° <	39	0.6<0.9s<1.2
Eigenvalue:	11<	18° <	29	0.8<1.2s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





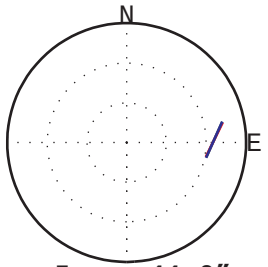




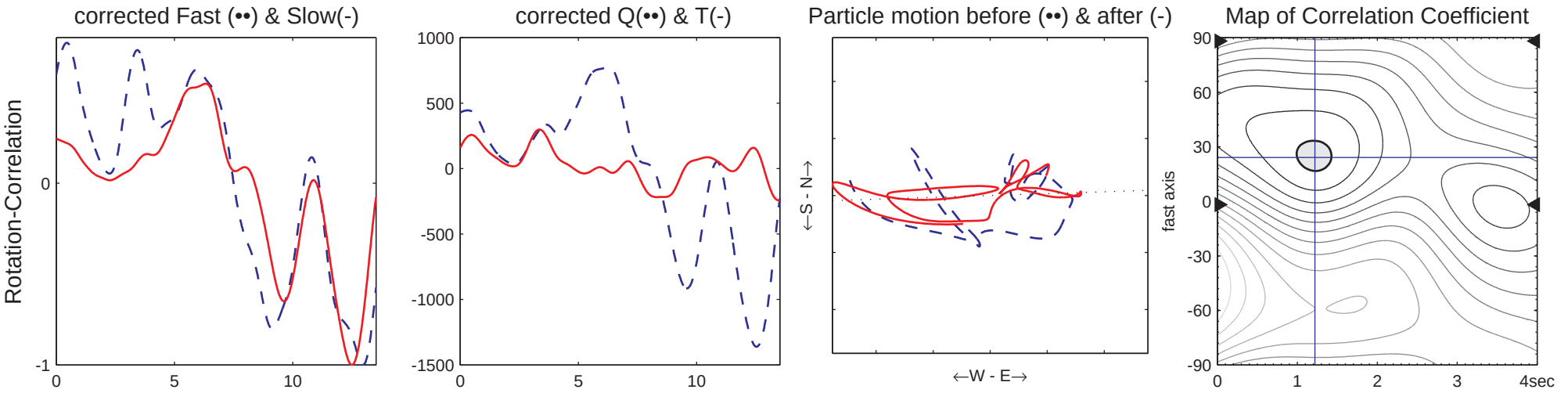
Event: **12-Feb-2009 (043) 13:15 4.04N 126.55E 27km Mw=6.3**
Station: **ILIC** Backazimuth: **88.2”** Distance: **85.88”**
init.Pol.: **265.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.3**

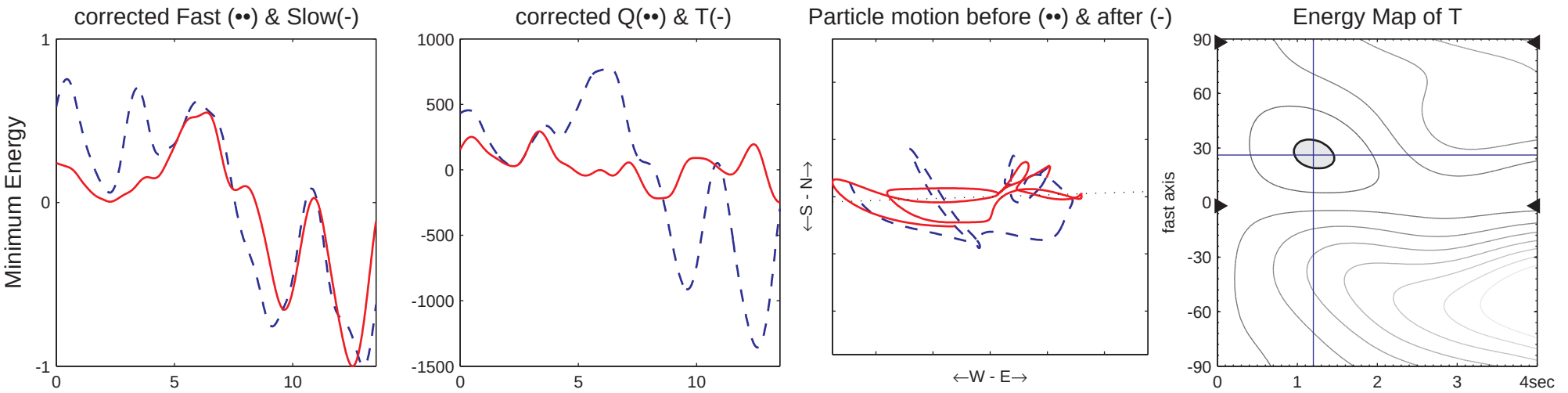
Rotation Correlation:	17<	24° <	34	1.0<1.2s<1.4
Minimum Energy:	19<	26° <	35	1.0<1.2s<1.5
Eigenvalue:	13<	24° <	35	1.0<1.2s<1.5

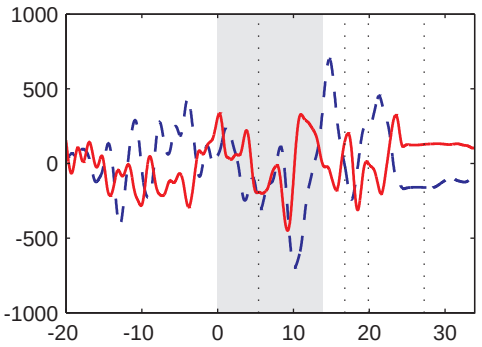
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **11.0”**



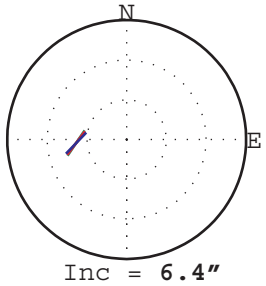


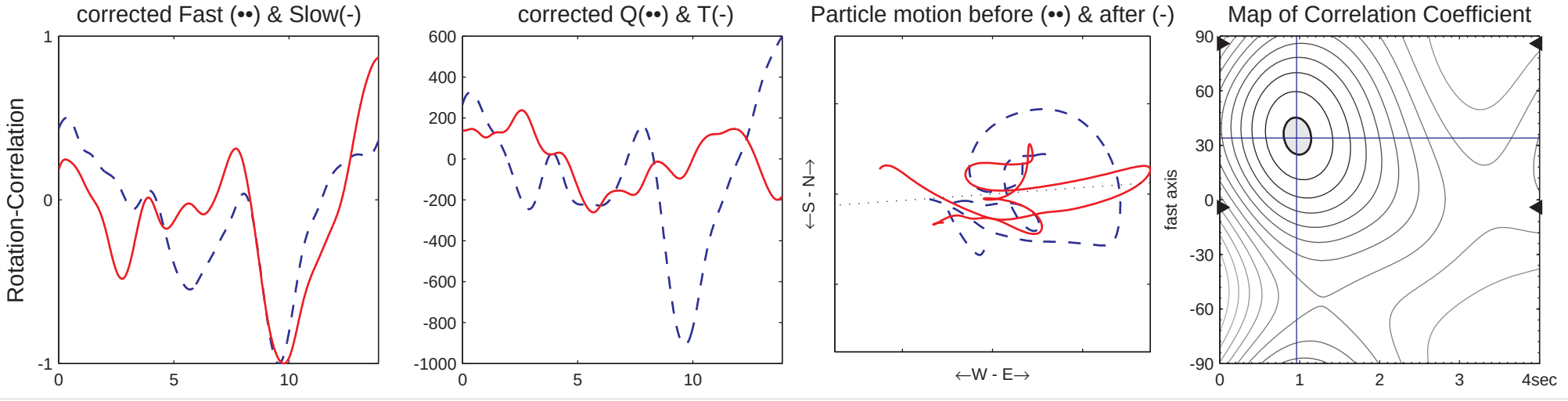


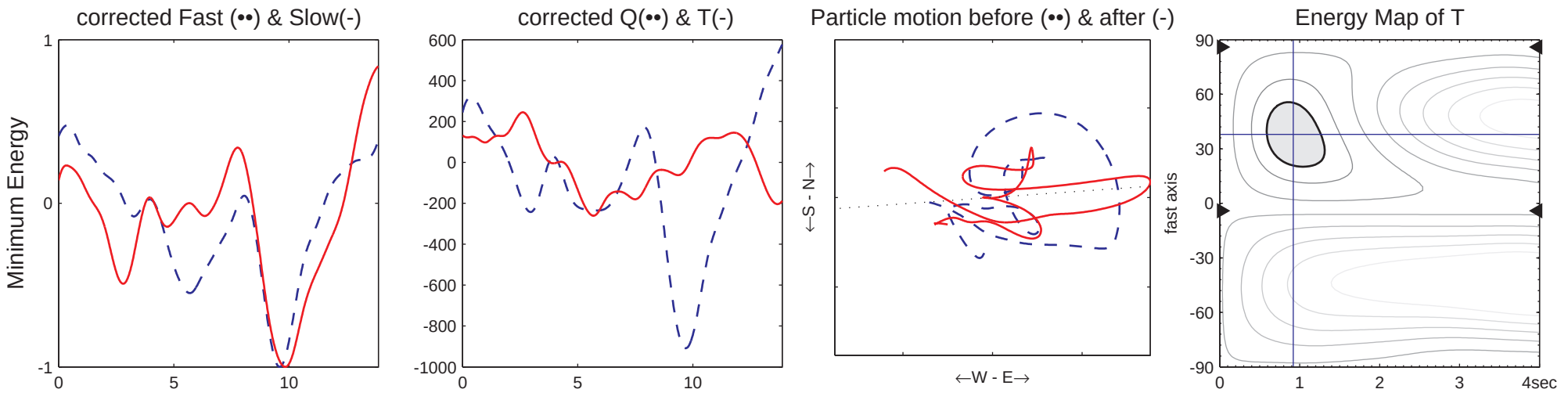
Event: **17-Apr-2009 (107) 02:08 -19.58N -70.48E 25km** Mw=**6.1**
Station: **ILIC** Backazimuth: **265.9”** Distance: **116.77”**
init.Pol.: **91.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

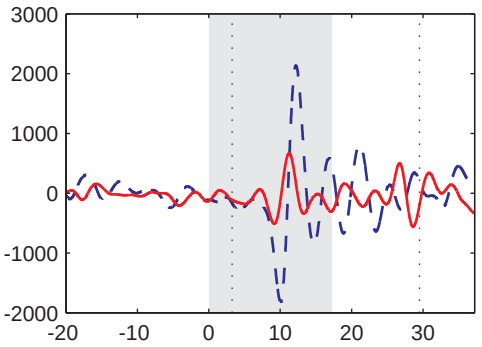
Rotation Correlation:	25<	34° <	45	0.8<1.0s<1.2
Minimum Energy:	19<	38° <	56	0.6<0.9s<1.3
Eigenvalue:	7<	44° <	76	0.6<0.9s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





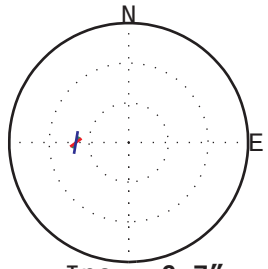




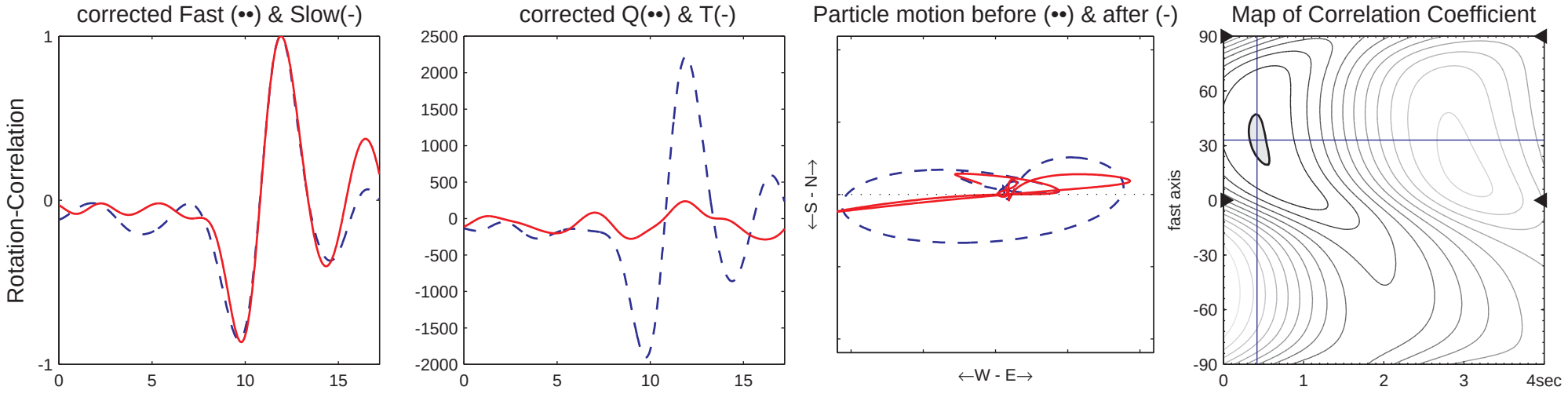
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **ILIC** Backazimuth: **270.0”** Distance: **114.07”**
init.Pol.: **79.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.8**

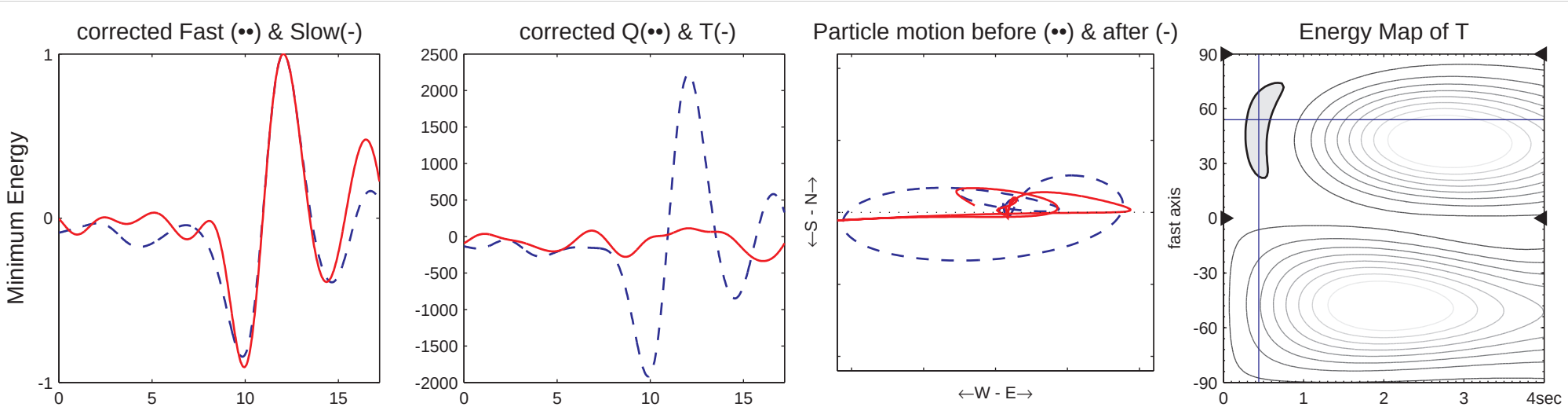
Rotation Correlation:	20<	33° <	47	0.3<0.4s<0.6
Minimum Energy:	21<	54° <	74	0.3<0.4s<0.8
Eigenvalue:	-1<	10° <	37	0.4<0.7s<1.1

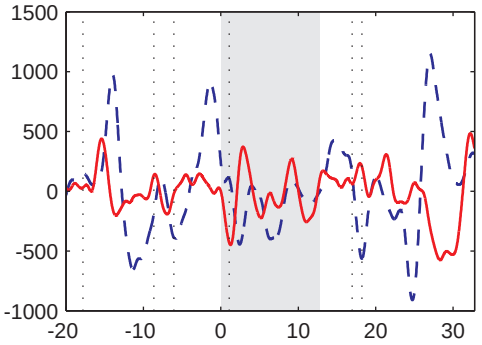
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.7”**



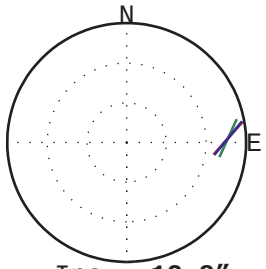




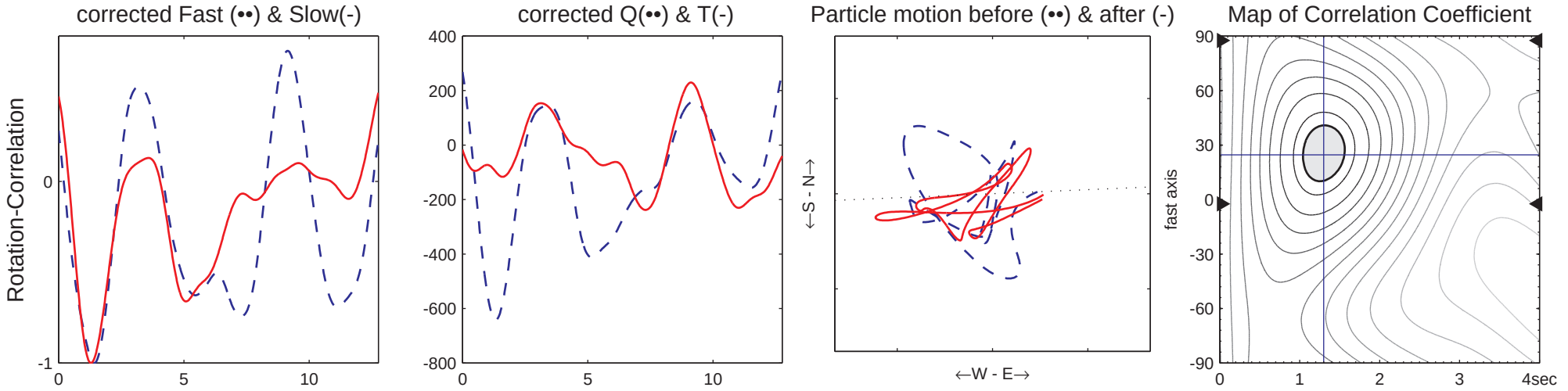
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **ILIC** Backazimuth: **87.6”** Distance: **93.63”**
init.Pol.: **264.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.0**

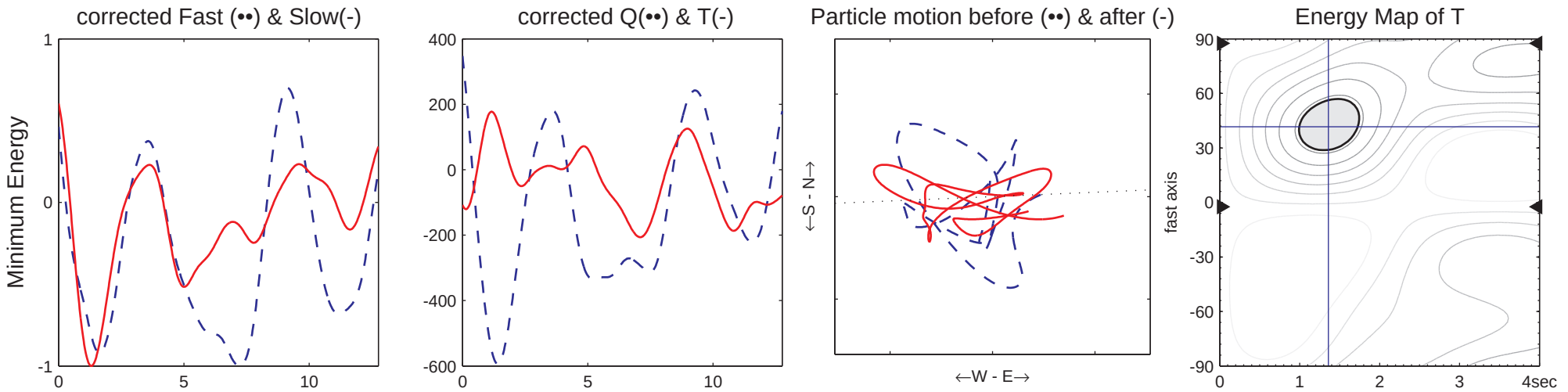
Rotation Correlation:	11<	25° <	41	1.0<1.3s<1.6
Minimum Energy:	29<	42° <	58	1.0<1.4s<1.8
Eigenvalue:	11<	40° <	64	1.0<1.4s<1.7

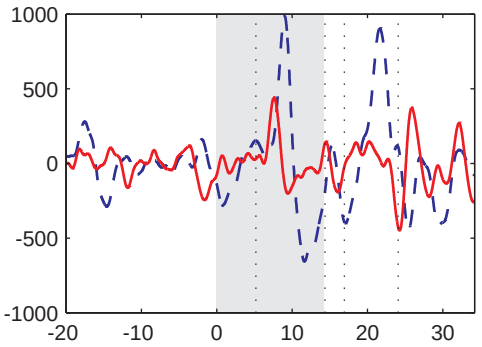
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.8”**



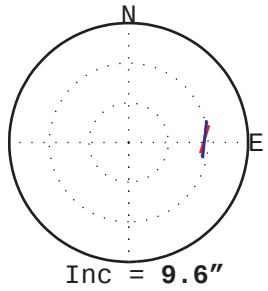


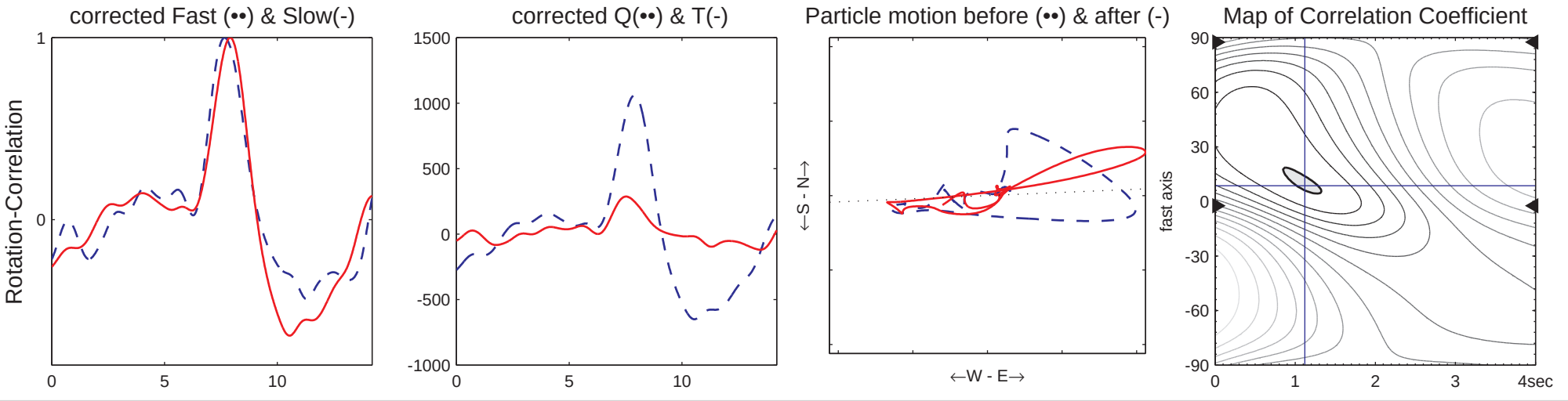


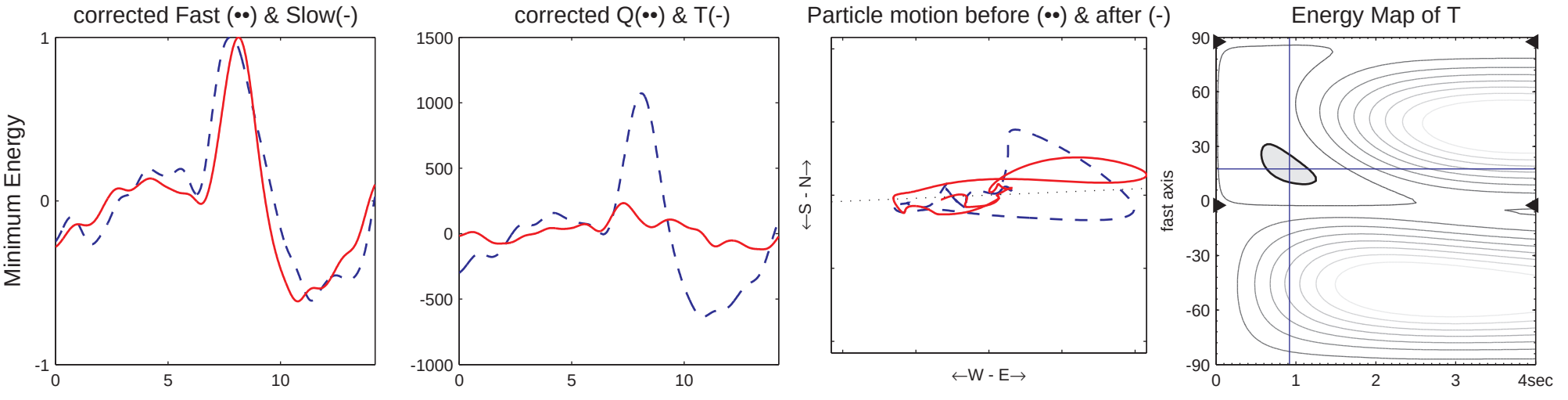
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **ILIC** Backazimuth: **87.6”** Distance: **93.63”**
init.Pol.: **255.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.4**

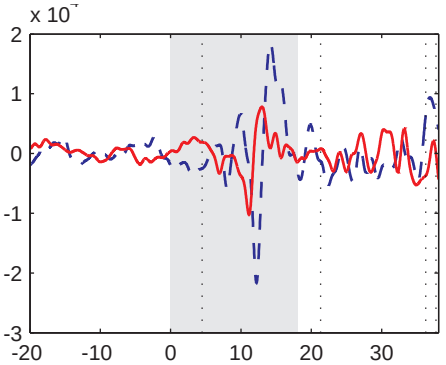
Rotation Correlation:	5<	9° <	19	0.8<1.1s<1.3
Minimum Energy:	9<	18° <	31	0.6<0.9s<1.2
Eigenvalue:	1<	6° <	9	1.0<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





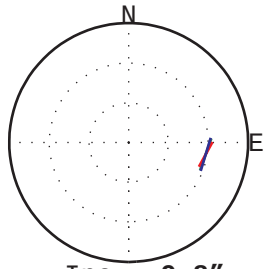


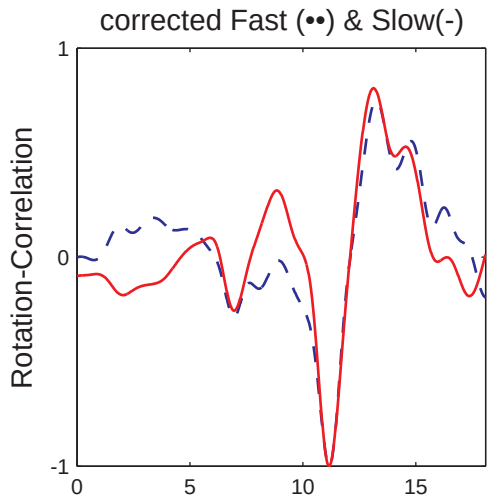


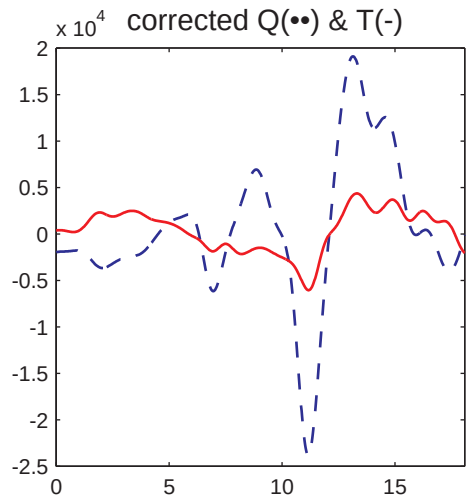
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **ILIC** Backazimuth: **98.8”** Distance: **90.60”**
init.Pol.: **265.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.9**

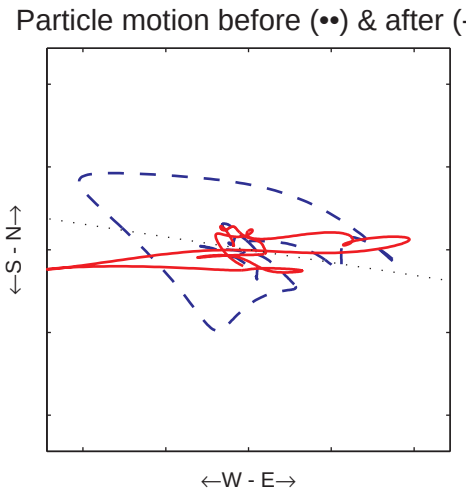
Rotation Correlation:	15<	20° <	28	0.9<1.1s<1.2
Minimum Energy:	21<	29° <	39	0.6<0.9s<1.2
Eigenvalue:	9<	17° <	25	0.9<1.1s<1.3

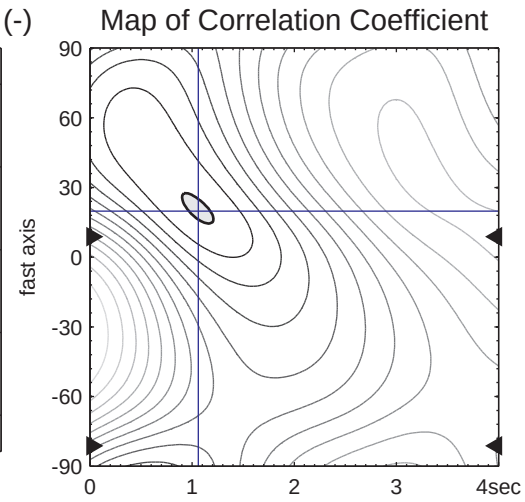
Quality: **fair** IsNull: **No** Phase: **SKS**

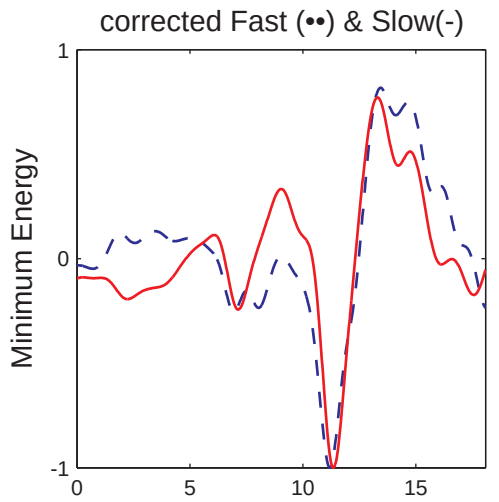


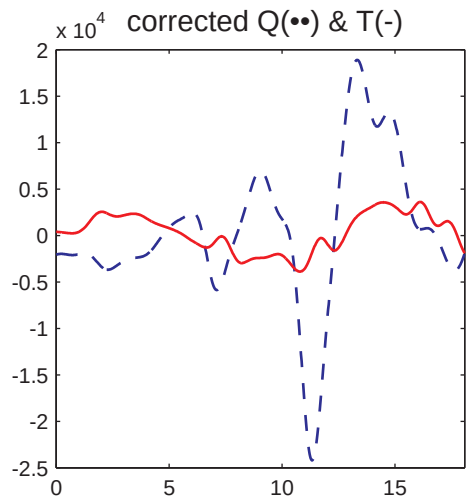


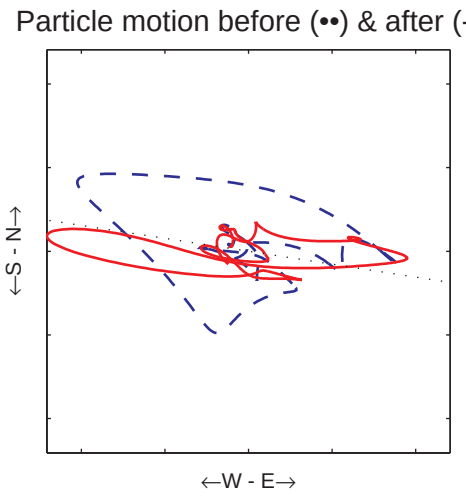


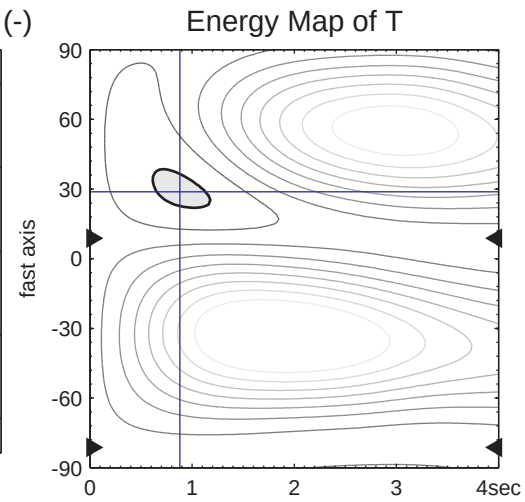


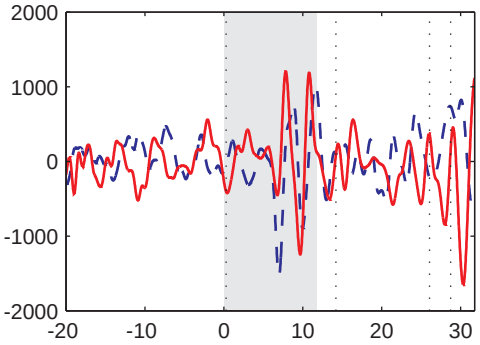








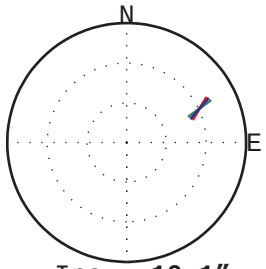


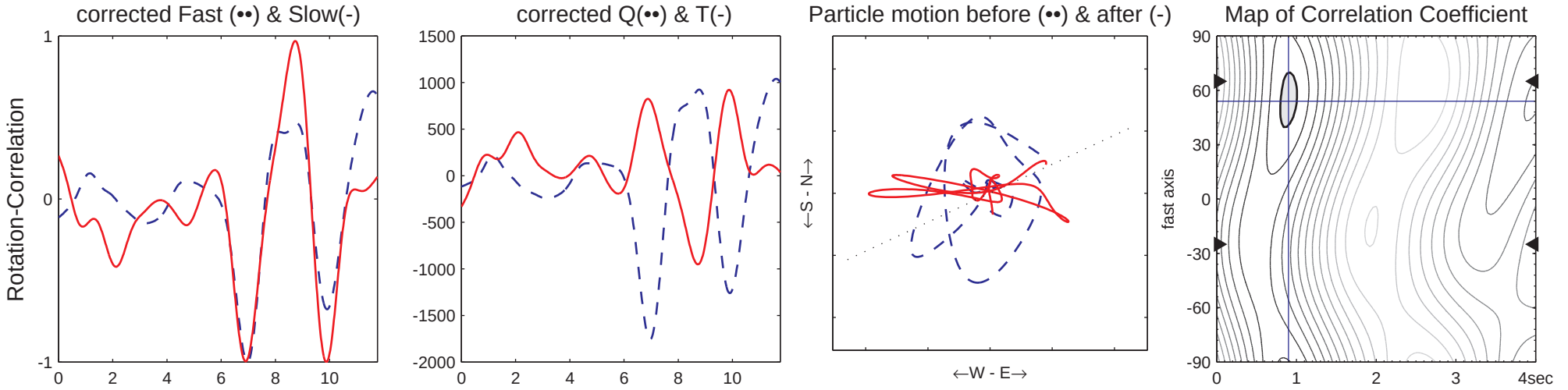


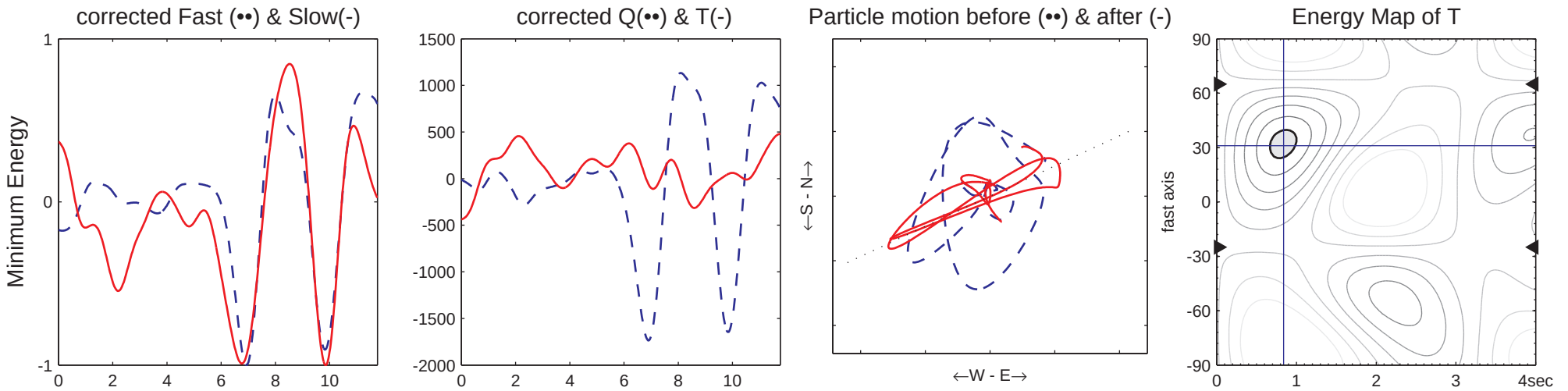
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **ILIC** Backazimuth: **65.0”** Distance: **89.57”**
init.Pol.: **256.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

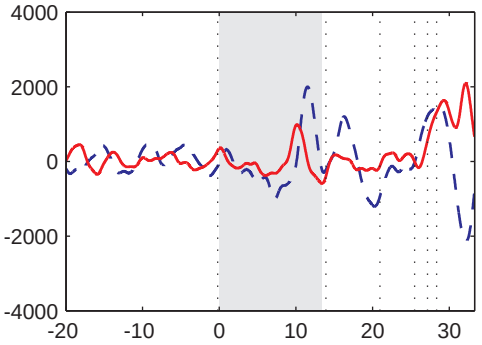
Rotation Correlation:	40<	54° <	70	0.8<0.9s<1.0
Minimum Energy:	23<	31° <	39	0.7<0.8s<1.0
Eigenvalue:	23<	41° <	60	0.7<0.9s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





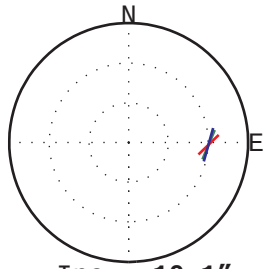




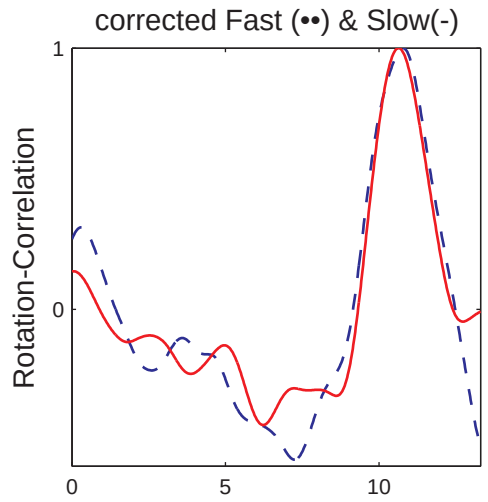
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **ILIC** Backazimuth: **91.6”** Distance: **90.74”**
init.Pol.: **254.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.5**

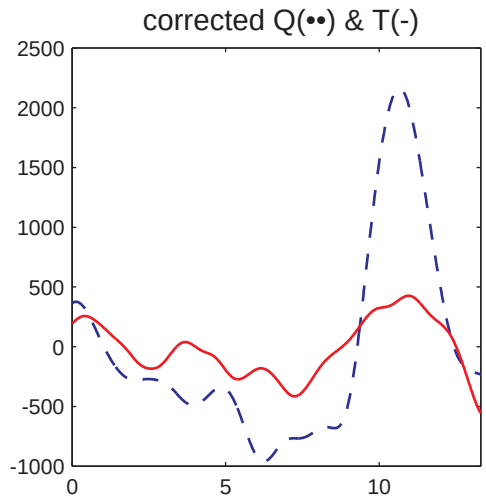
Rotation Correlation:	15<	23° <	35	0.8<1.0s<1.2
Minimum Energy:	27<	46° <	64	0.6<0.9s<1.2
Eigenvalue:	5<	16° <	27	0.9<1.1s<1.3

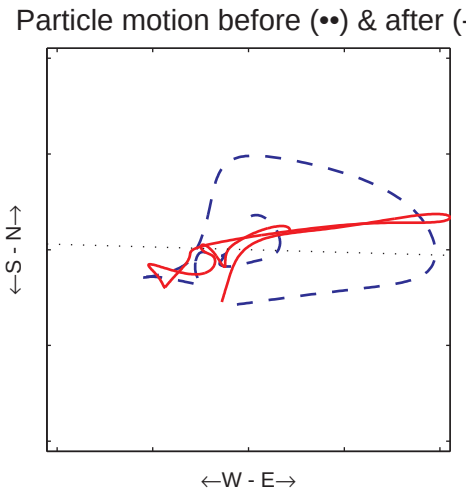
Quality: **fair** IsNull: **No** Phase: **SKS**

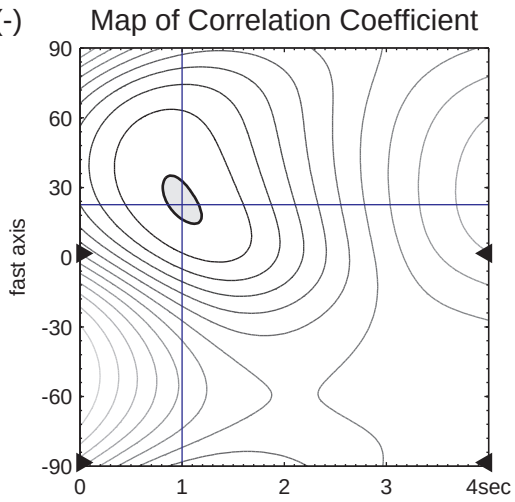


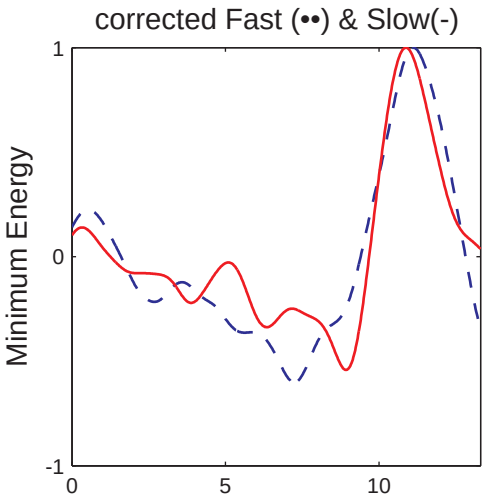
Inc = **10.1”**

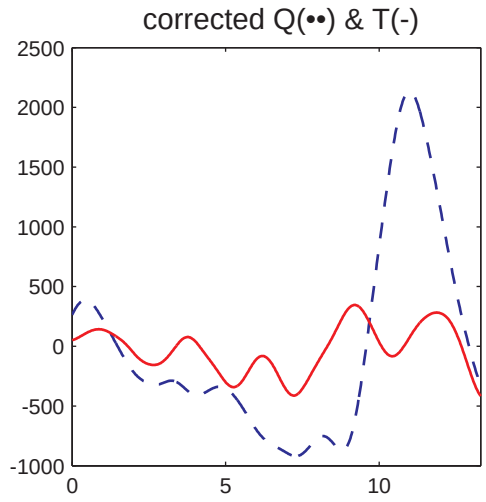


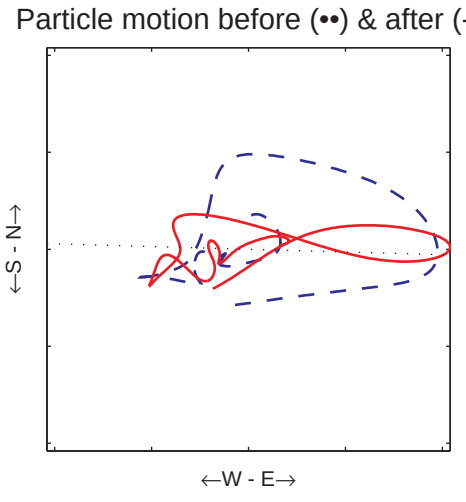


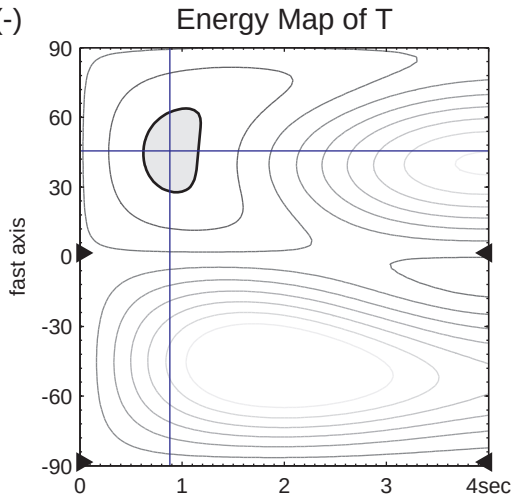


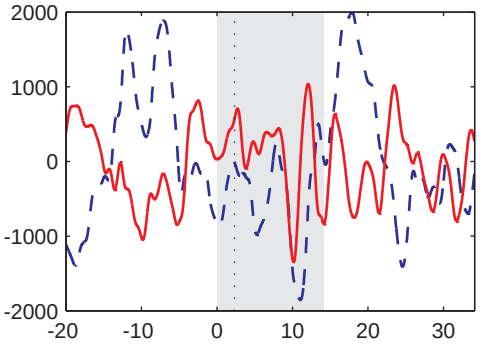








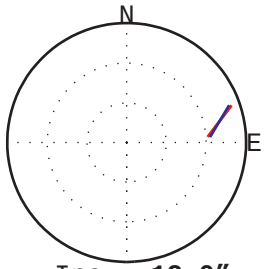




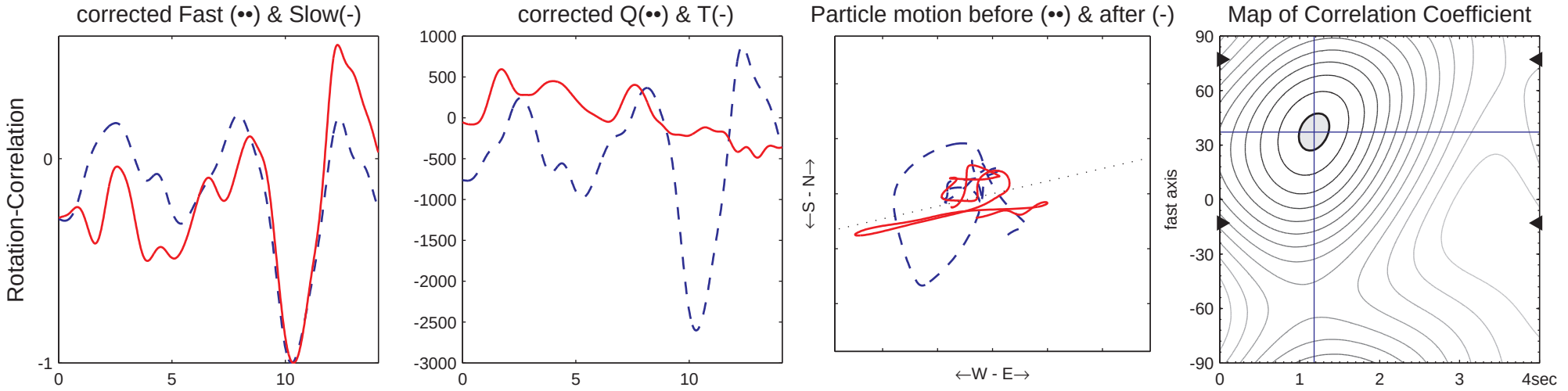
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **ILIC** Backazimuth: **77.1”** Distance: **110.29”**
init.Pol.: **250.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.5**

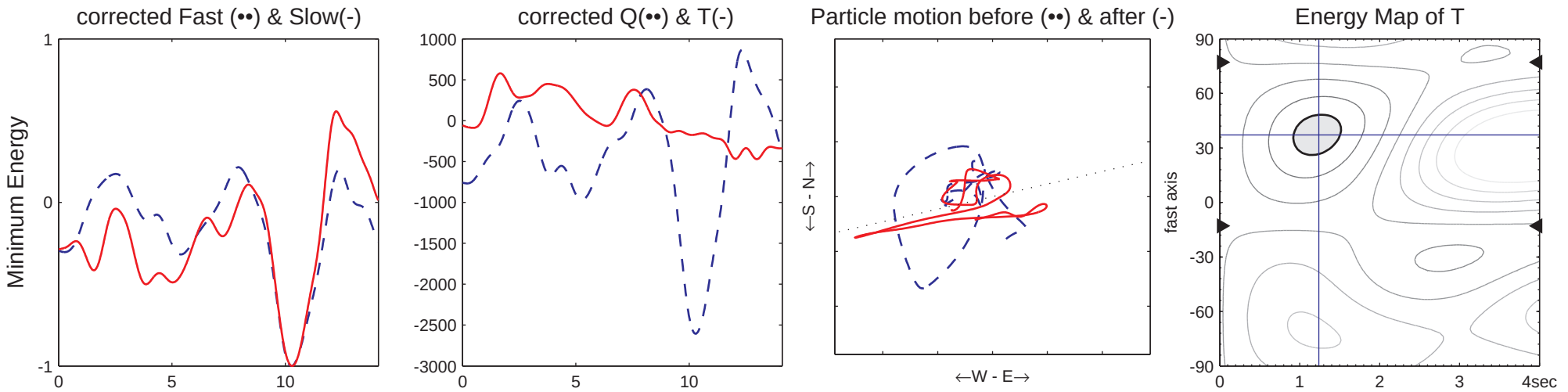
Rotation Correlation:	27<	37° <	48	1.0<1.2s<1.4
Minimum Energy:	25<	37° <	48	0.9<1.2s<1.5
Eigenvalue:	-1<	31° <	56	0.8<1.2s<1.5

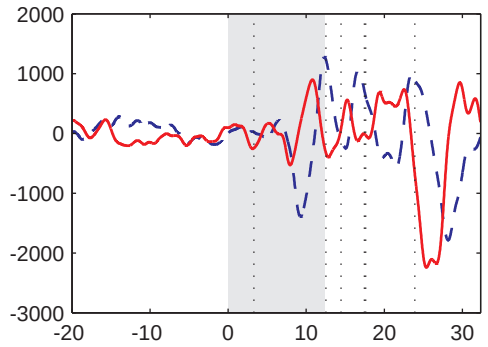
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



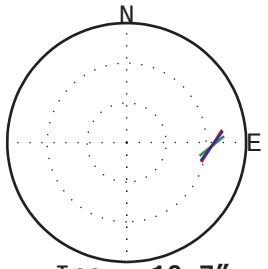




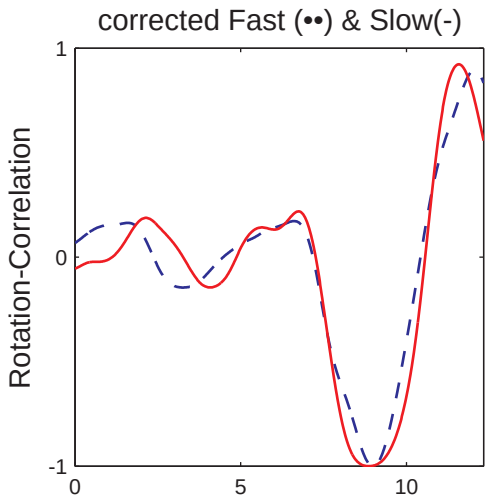
Event: **05-Apr-2010 (095) 10:05 -0.18N 125.01E 25km Mw=6.2**
Station: **ILIC** Backazimuth: **92.4”** Distance: **87.37”**
init.Pol.: **275.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.4**

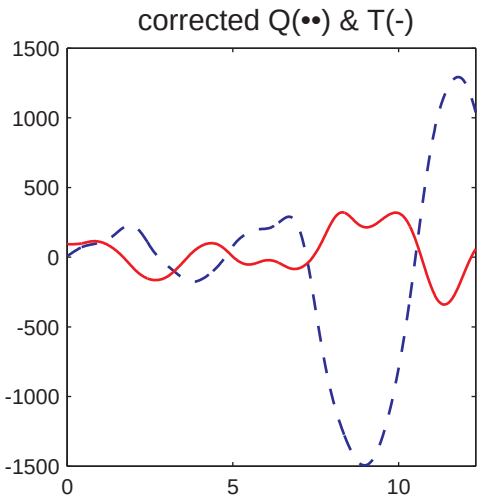
Rotation Correlation:	34<	51° <	81	0.8<1.0s<1.2
Minimum Energy:	29<	32° <	39	1.1<1.2s<1.4
Eigenvalue:	27<	36° <	52	1.0<1.2s<1.3

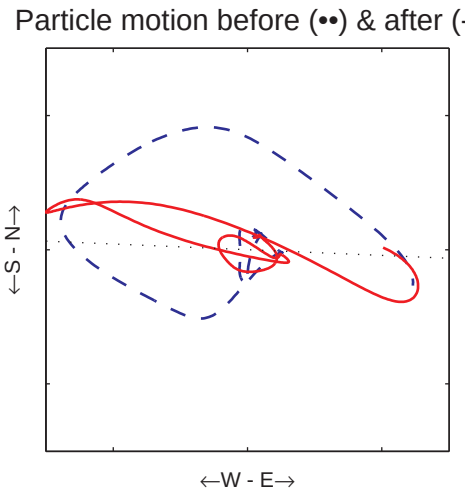
Quality: **fair** IsNull: **No** Phase: **SKS**

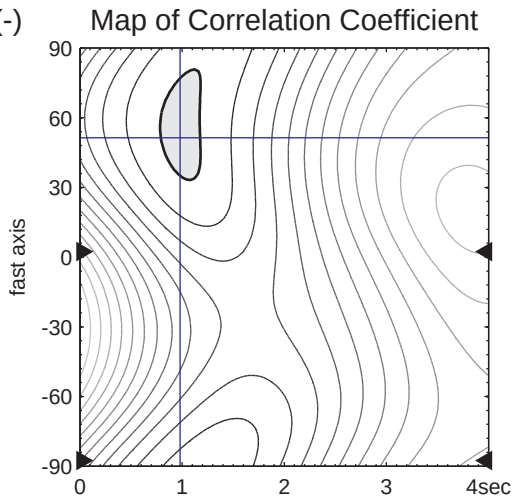


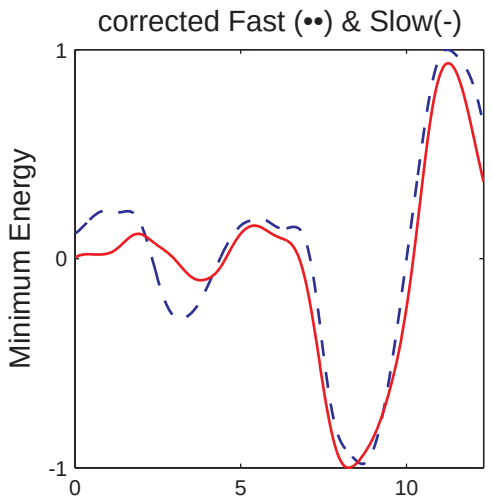
Inc = **10.7”**

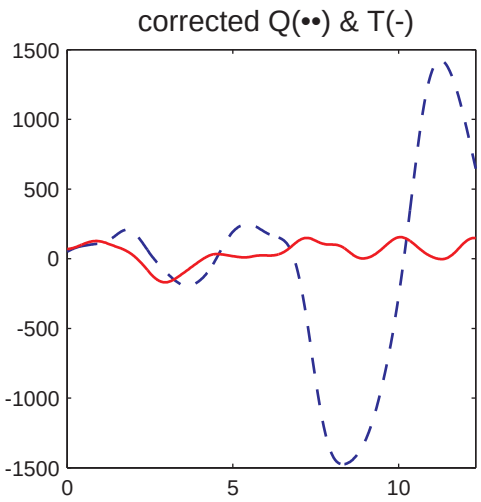


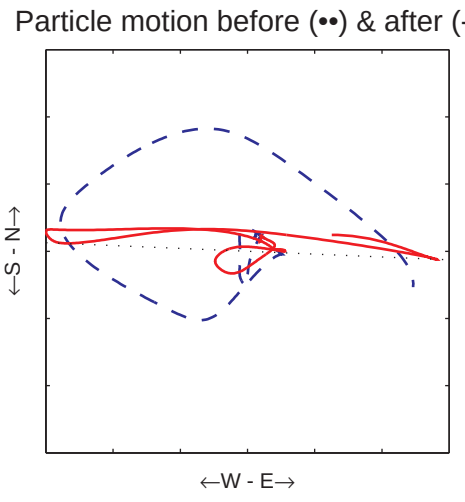


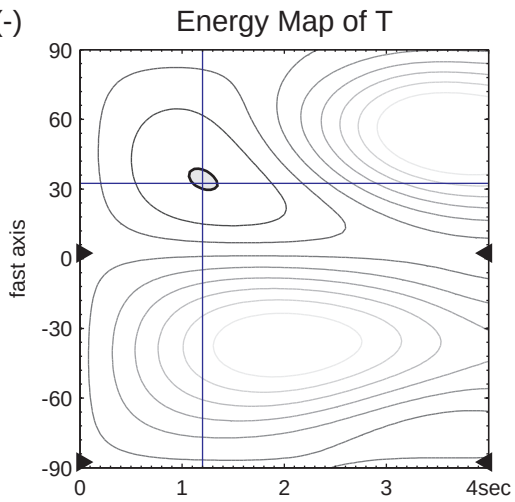


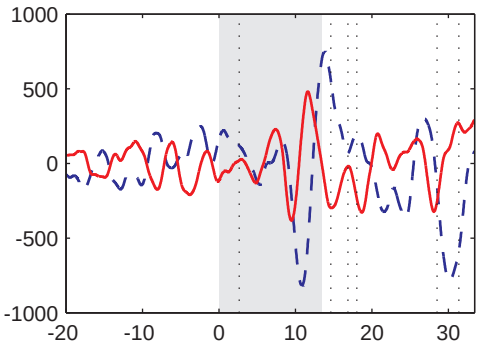








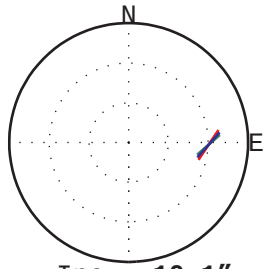




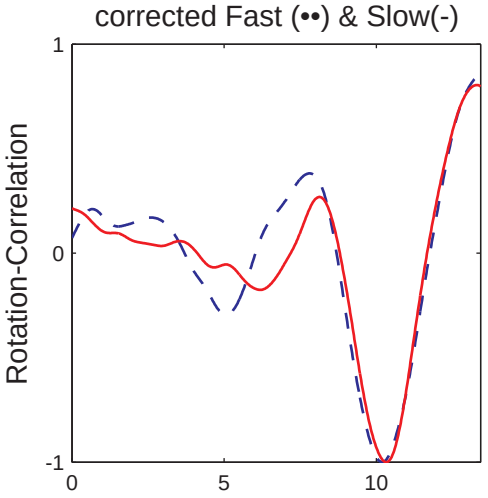
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **ILIC** Backazimuth: **91.8”** Distance: **90.87”**
init.Pol.: **277.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.0**

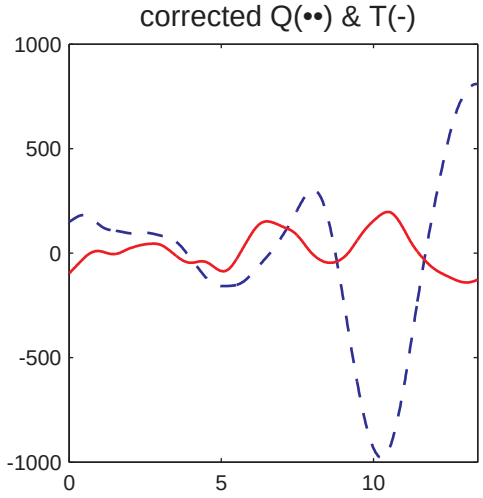
Rotation Correlation:	20<	49° <	83	0.6<0.9s<1.3
Minimum Energy:	25<	34° <	43	0.8<1.1s<1.4
Eigenvalue:	23<	42° <	64	0.8<1.0s<1.3

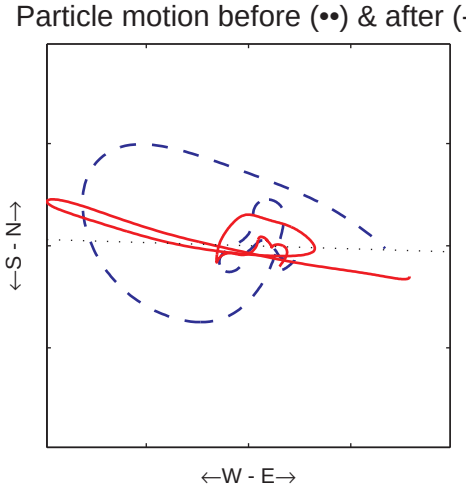
Quality: **fair** IsNull: **No** Phase: **SKS**

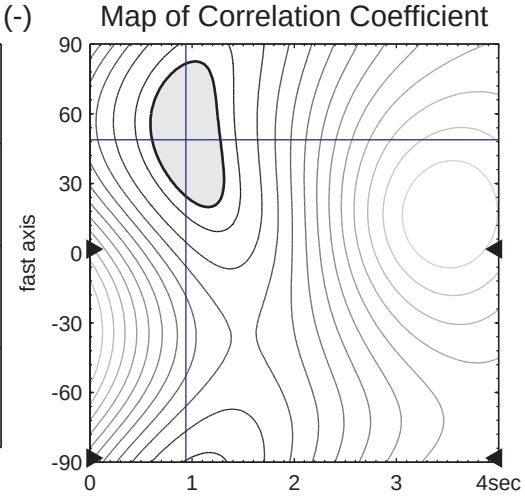


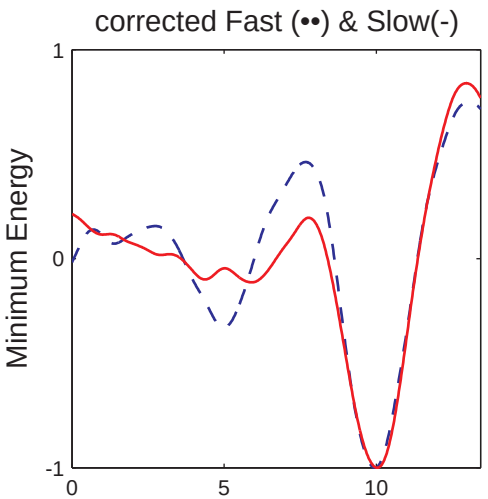
Inc = **10.1”**

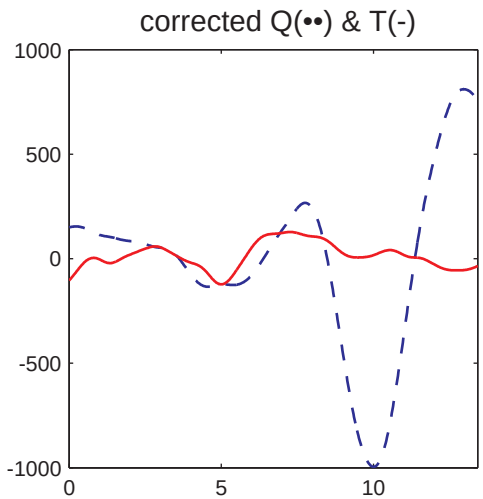


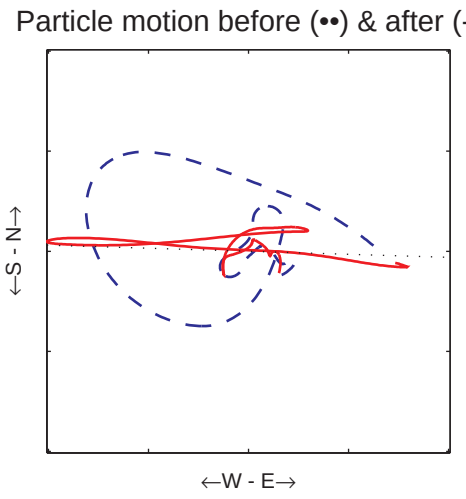


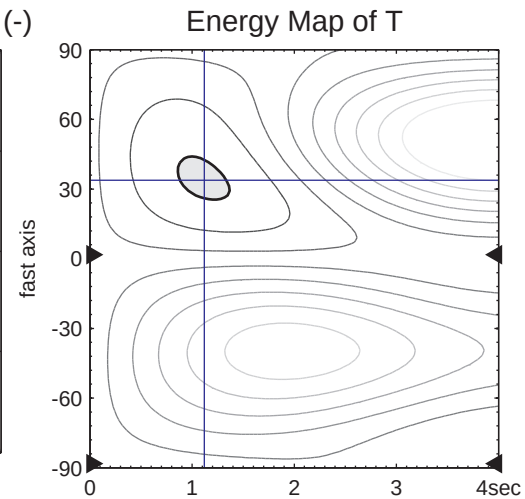


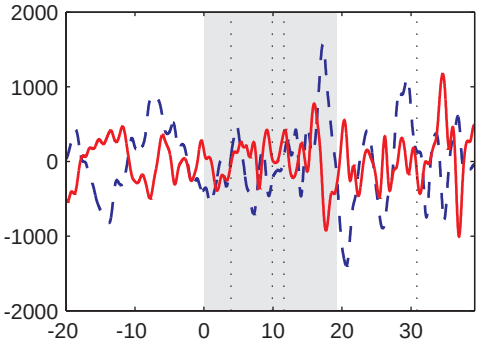








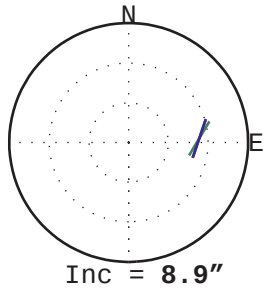


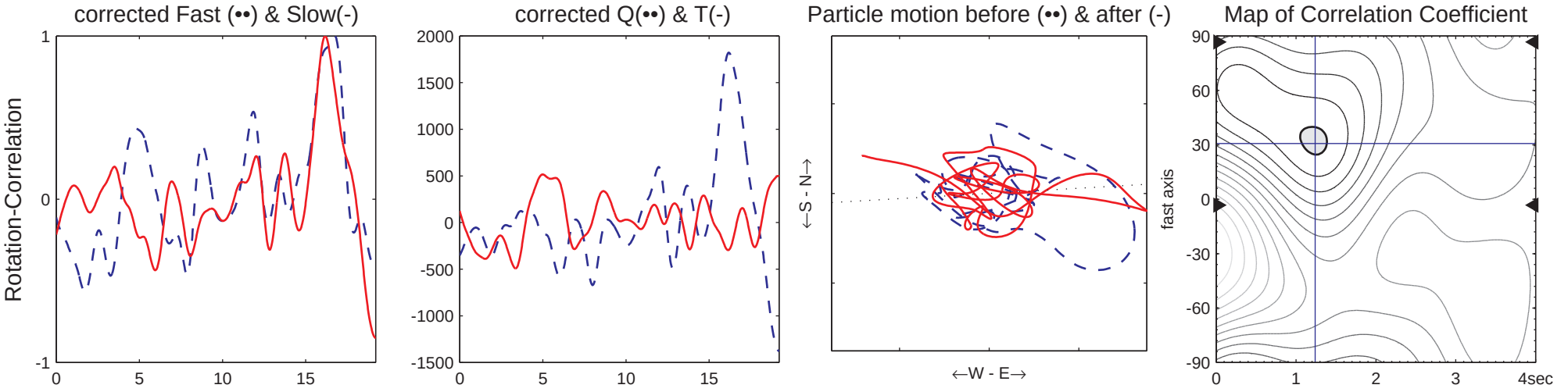


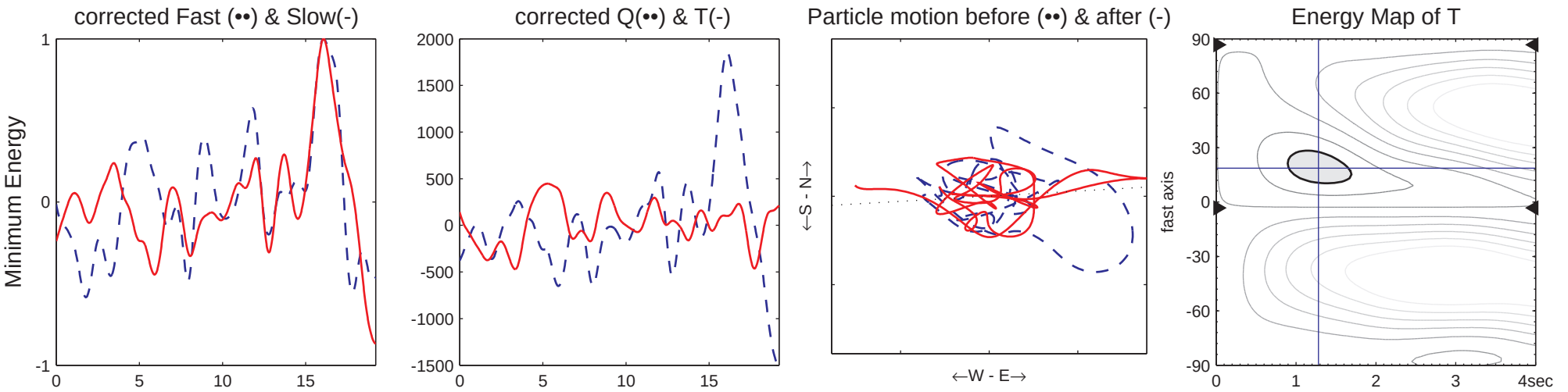
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **ILIC** Backazimuth: **86.7”** Distance: **97.74”**
init.Pol.: **267.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

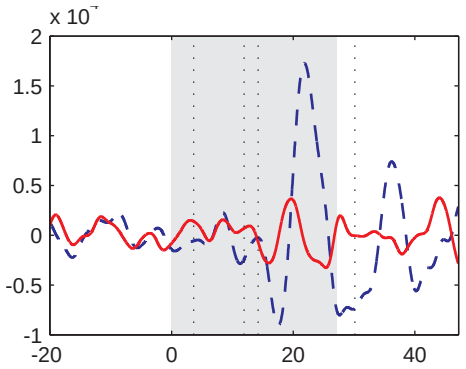
Rotation Correlation:	25<	31° <	40	1.0<1.2s<1.4
Minimum Energy:	11<	19° <	29	0.9<1.3s<1.7
Eigenvalue:	7<	19° <	33	0.9<1.3s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





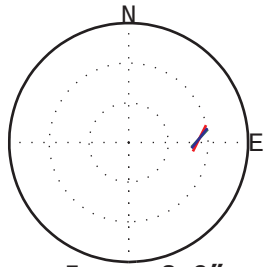


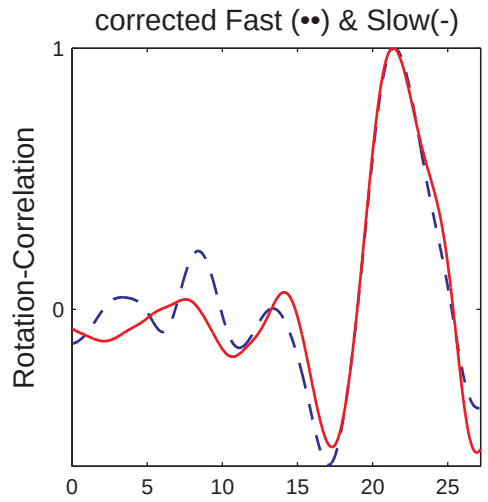


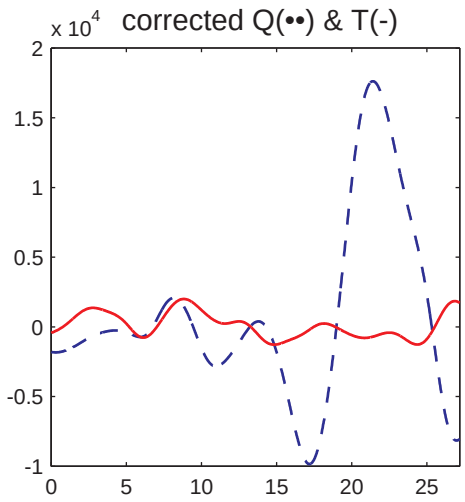
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **ILIC** Backazimuth: **86.6”** Distance: **97.54”**
init.Pol.: **268.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.3**

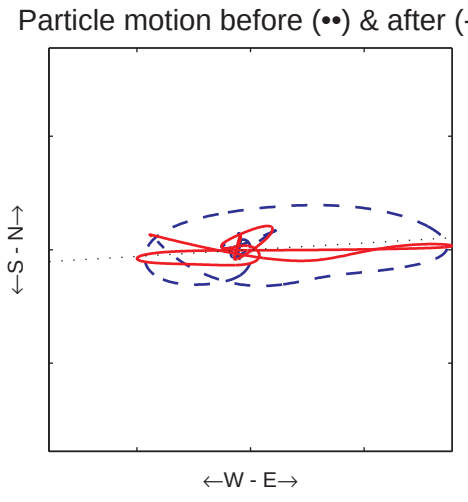
Rotation Correlation:	29<	43° <	60	0.5<0.8s<1.0
Minimum Energy:	13<	27° <	54	0.6<0.9s<1.5
Eigenvalue:	11<	39° <	76	0.6<0.8s<1.5

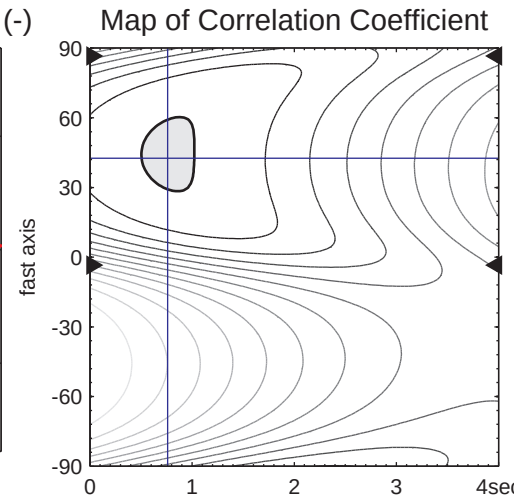
Quality: **fair** IsNull: **No** Phase: **SKS**

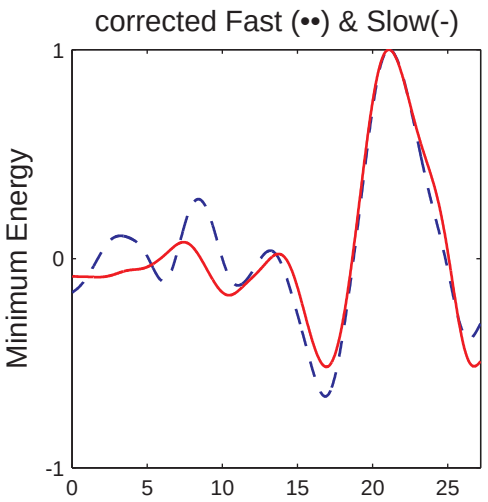


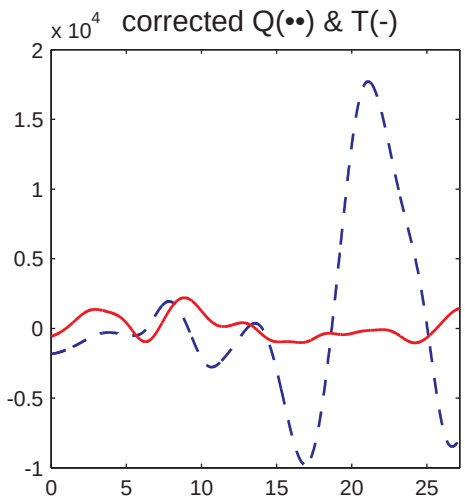


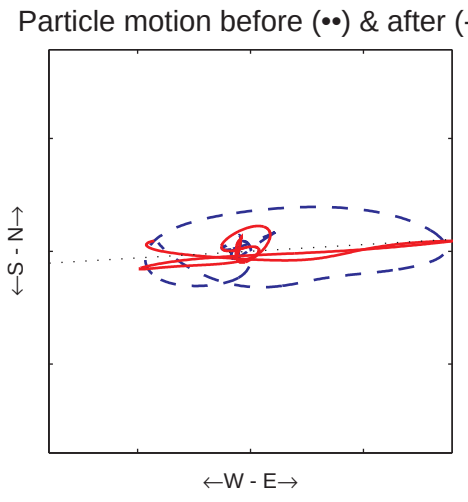


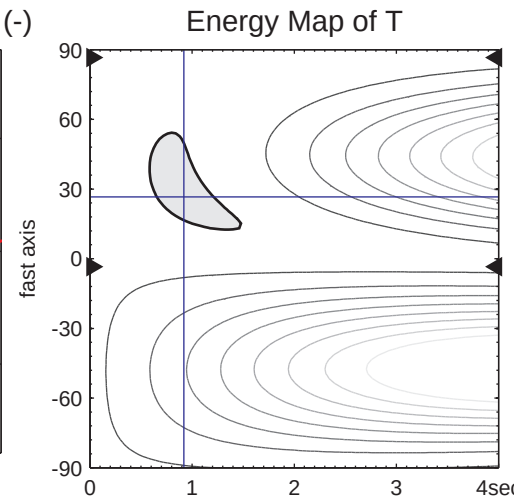


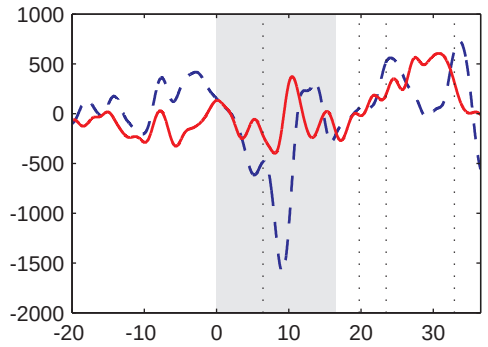








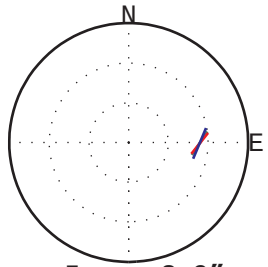


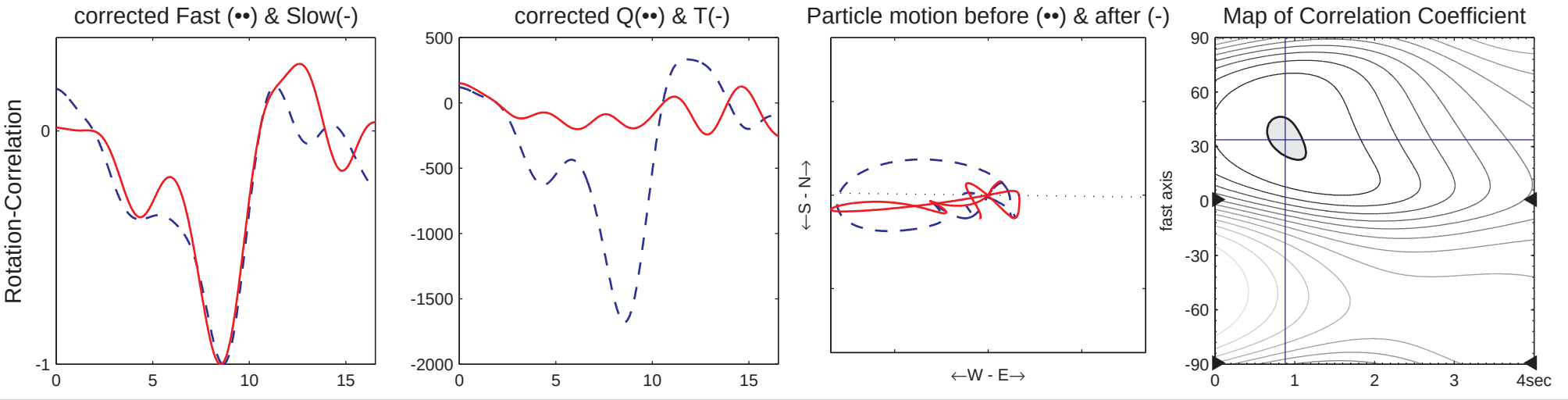


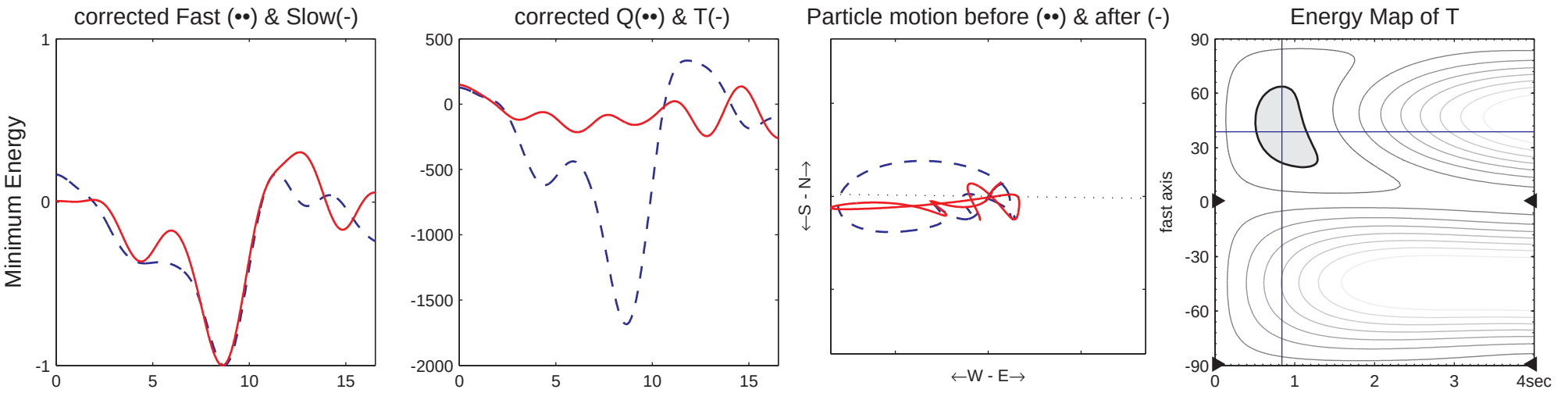
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **ILIC** Backazimuth: **90.7”** Distance: **97.50”**
init.Pol.: **263.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

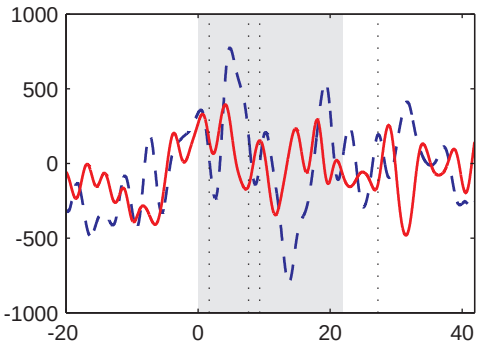
Rotation Correlation:	23<	34° <	47	0.6<0.9s<1.2
Minimum Energy:	19<	39° <	64	0.5<0.8s<1.3
Eigenvalue:	7<	23° <	50	0.7<1.0s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





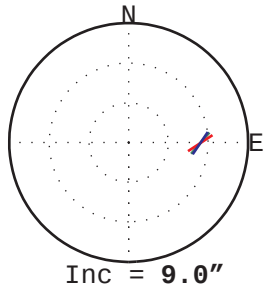


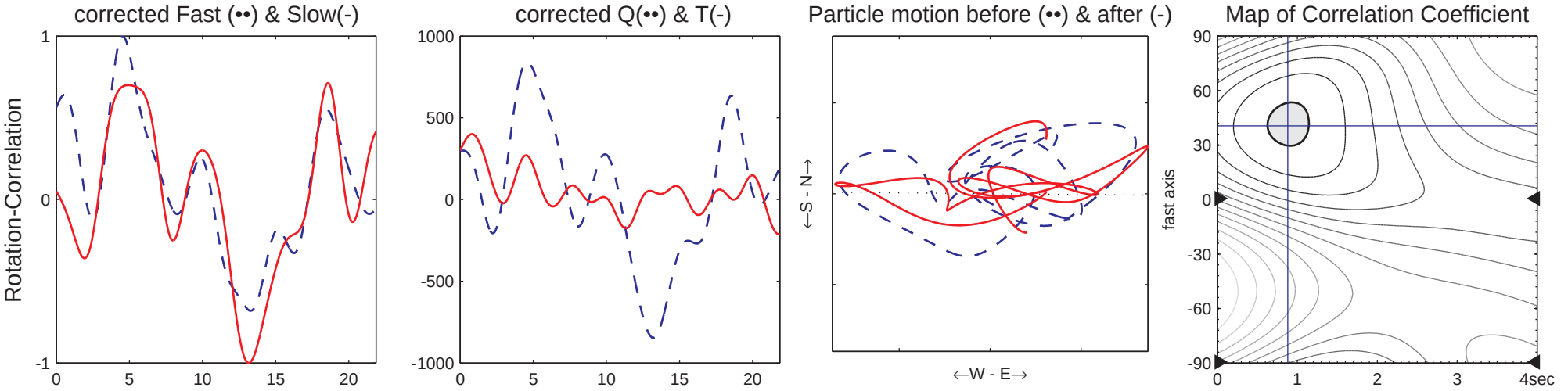


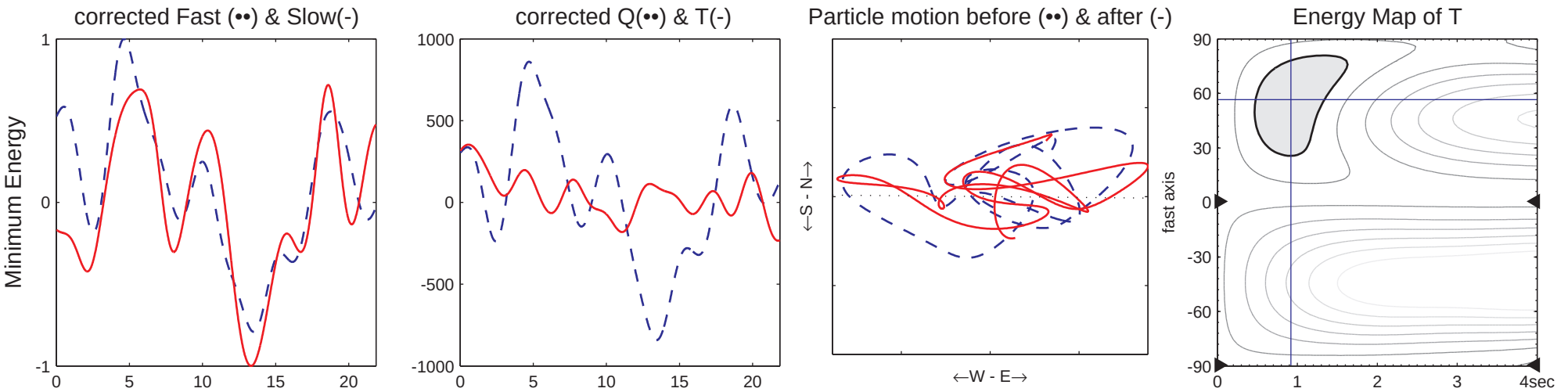
Event: **12-Oct-2010 (285) 10:21 -4.92N 133.71E 13km Mw=5.9**
Station: **ILIC** Backazimuth: **90.5”** Distance: **97.09”**
init.Pol.: **263.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

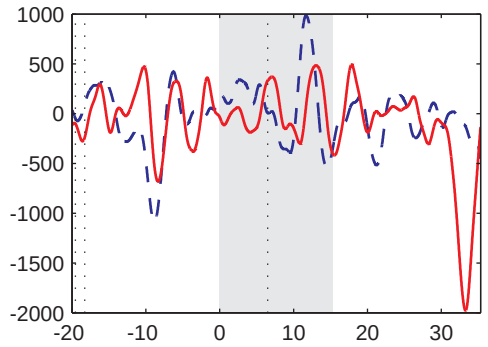
Rotation Correlation:	30<	41° <	54	0.6<0.9s<1.2
Minimum Energy:	25<	57° <	80	0.5<0.9s<1.6
Eigenvalue:	3<	35° <	78	0.4<0.8s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





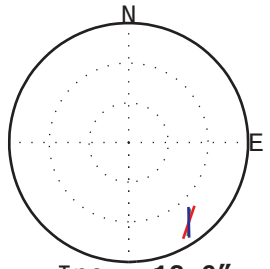




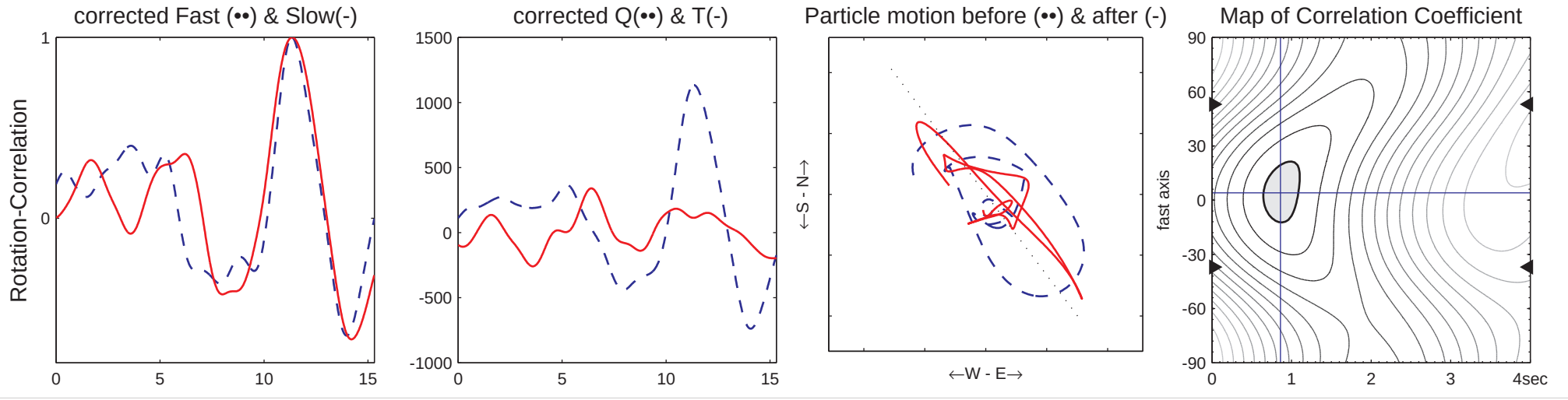
Event: **10-Nov-2010 (314) 04:05 -45.46N 96.39E 10km Mw=6.5**
Station: **ILIC** Backazimuth: **143.0”** Distance: **99.47”**
init.Pol.: **312.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.5**

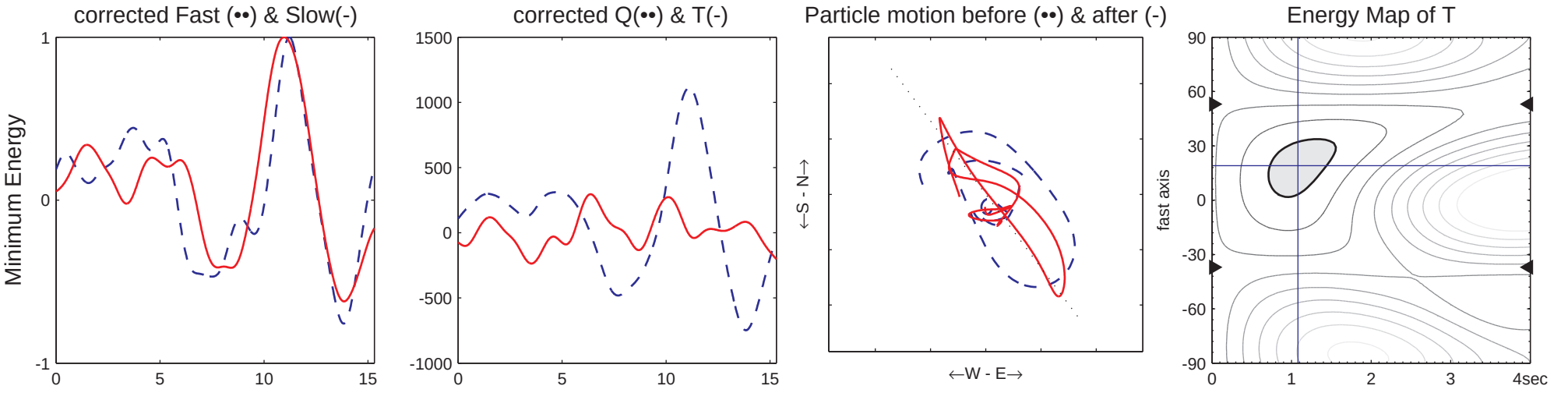
Rotation Correlation:	-13<	4° <	22	0.6<0.9s<1.1
Minimum Energy:	1<	19° <	33	0.7<1.1s<1.6
Eigenvalue:	-46<	-1° <	54	0.6<1.0s<1.9

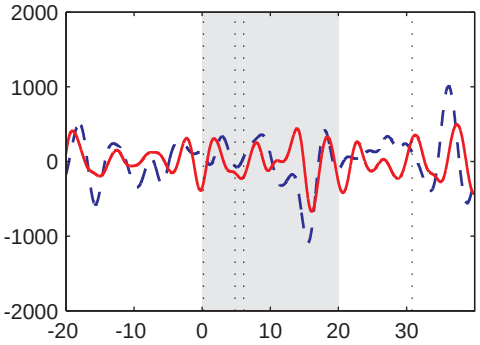
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.6”**



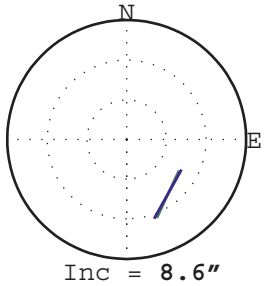


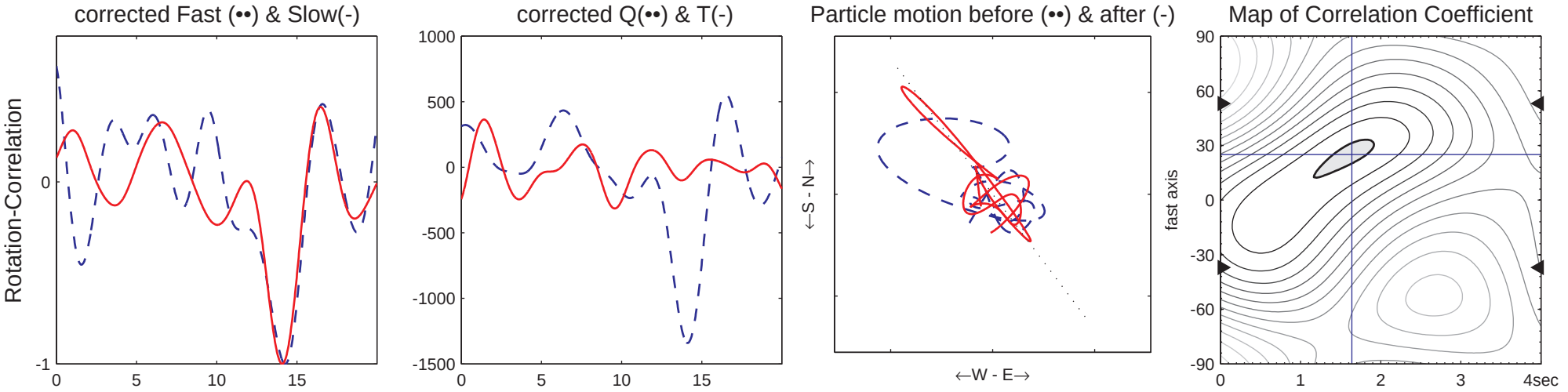


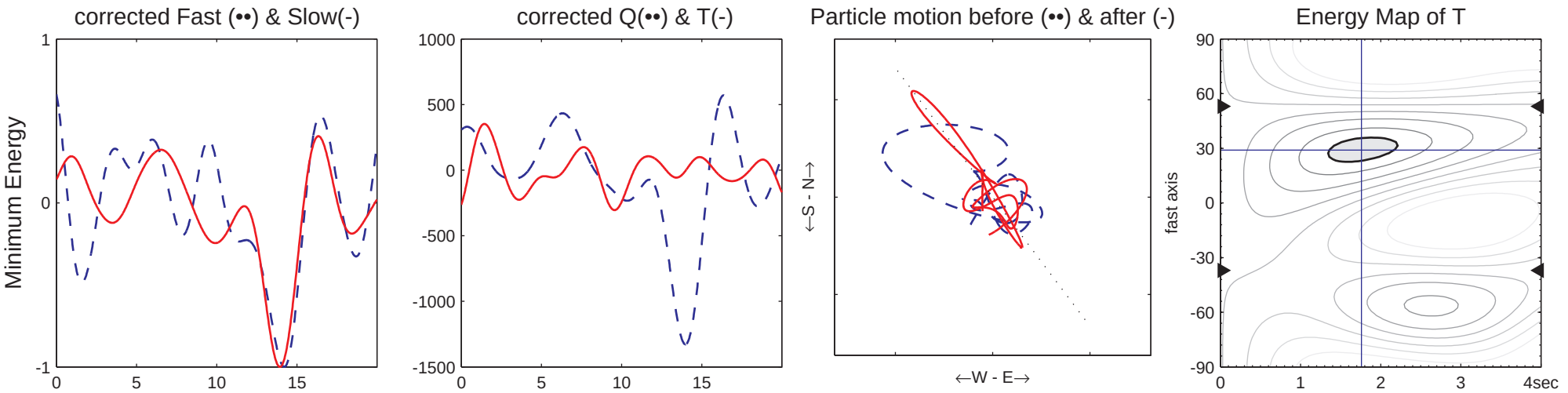
Event: **10-Nov-2010 (314) 04:05 -45.46N 96.39E 10km** Mw=**6.5**
Station: **ILIC** Backazimuth: **143.0”** Distance: **99.47”**
init.Pol.: **322.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

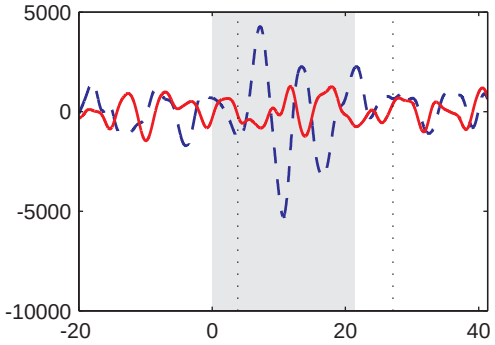
Rotation Correlation:	13<	25° <	33	1.2<1.6s<1.9
Minimum Energy:	23<	29° <	35	1.4<1.8s<2.2
Eigenvalue:	17<	29° <	39	1.2<1.8s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





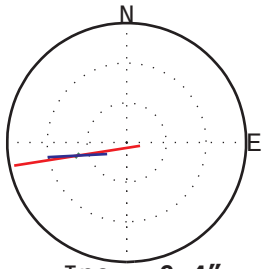




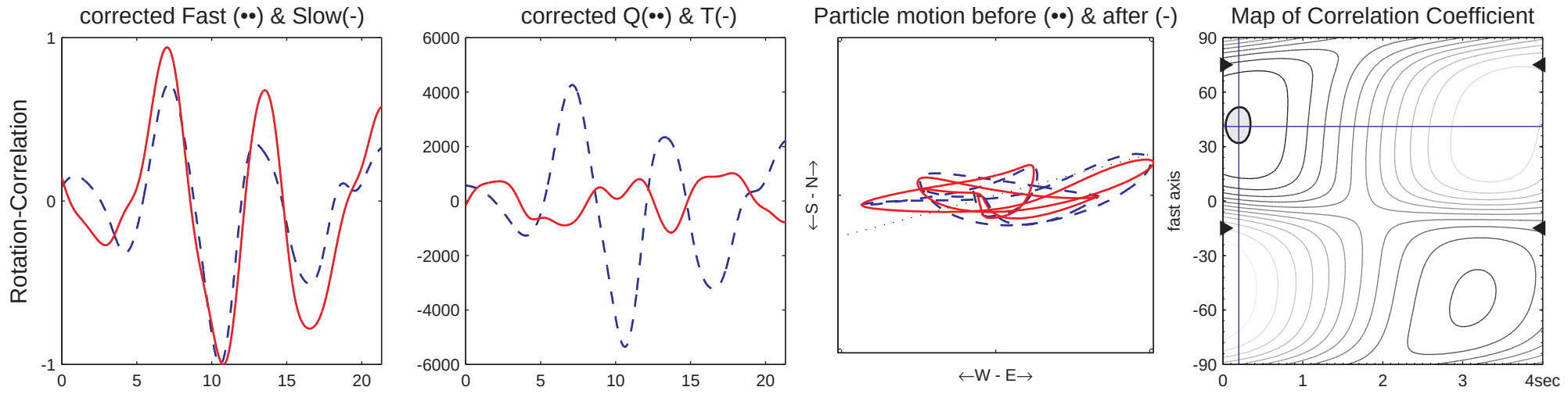
Event: **01-Jan-2011 (001) 09:56 -26.80N -63.14E 576km Mw=7.0**
Station: **ILIC** Backazimuth: **255.1”** Distance: **115.24”**
init.Pol.: **93.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

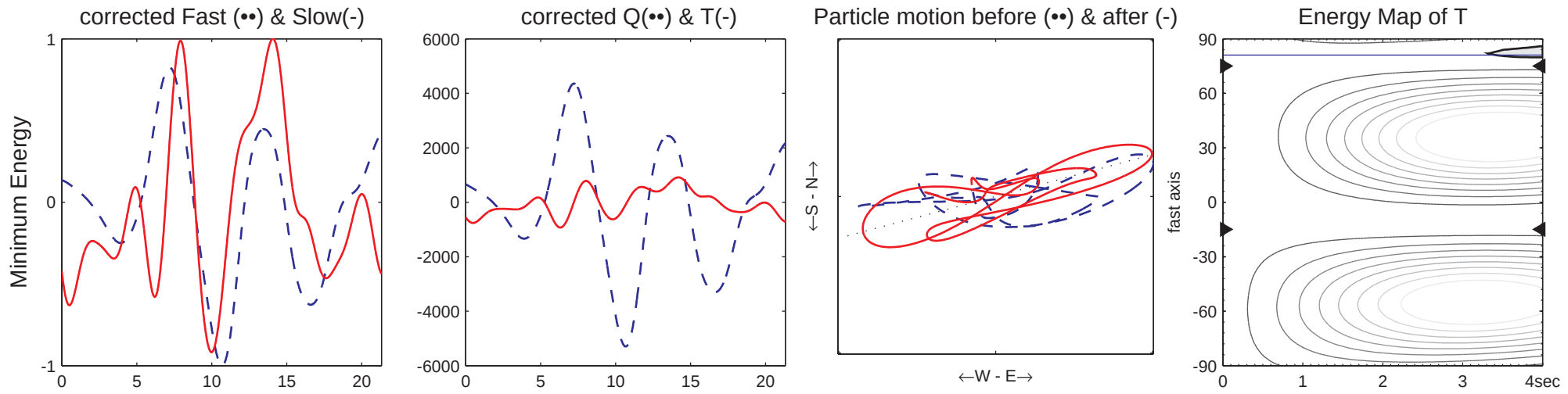
Rotation Correlation:	32<	41° <	52	0.0<0.2s<0.4
Minimum Energy:	80<	81° <	86	3.3<4.0s<4.0
Eigenvalue:	3<	87° < -88		0.1<1.9s<4.0

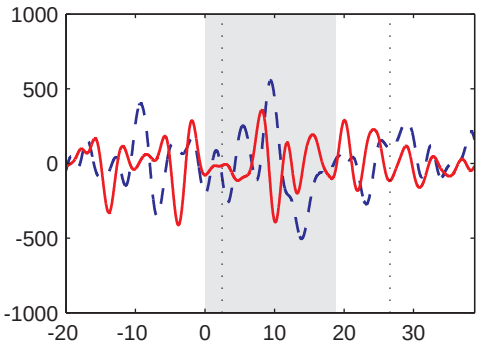
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **6.4”**



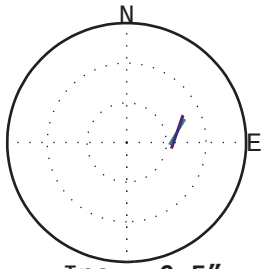




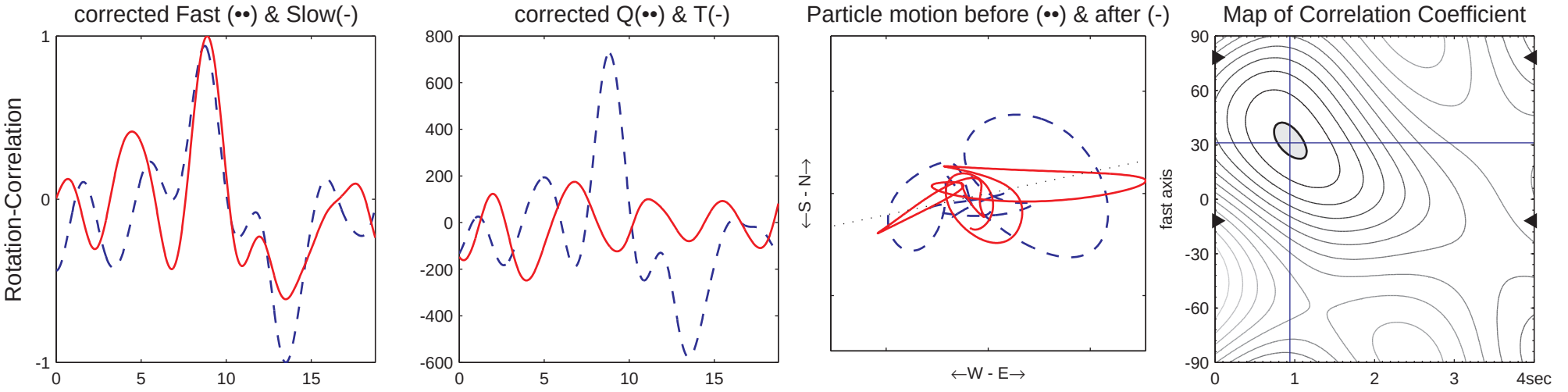
Event: **07-Feb-2011 (038) 19:53 -7.15N 155.18E 415km Mw=6.4**
Station: **ILIC** Backazimuth: **78.1”** Distance: **114.98”**
init.Pol.: **259.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

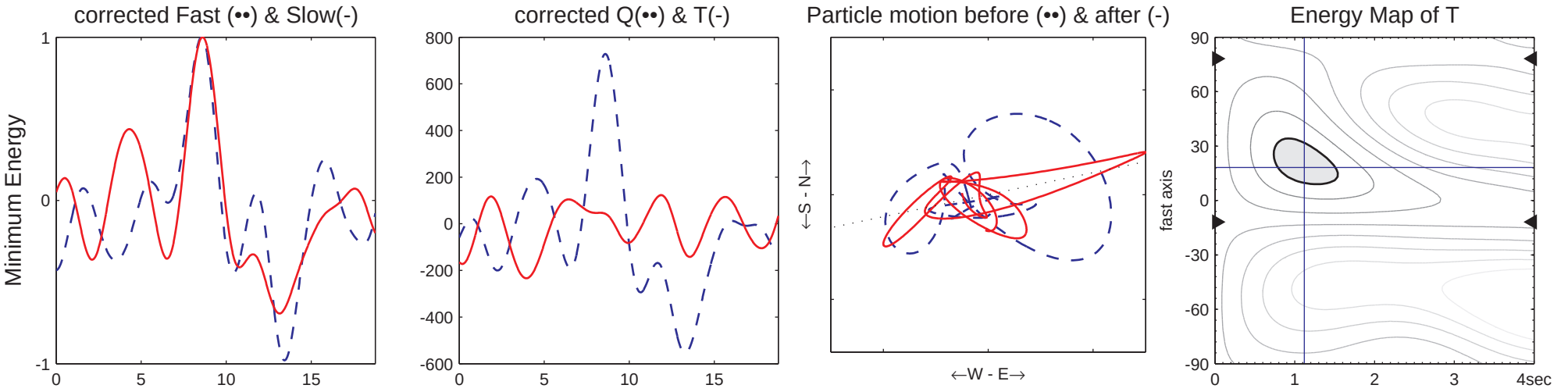
Rotation Correlation:	23<	31° <	43	0.8<0.9s<1.2
Minimum Energy:	9<	18° <	33	0.7<1.1s<1.5
Eigenvalue:	5<	20° <	43	0.7<1.1s<1.6

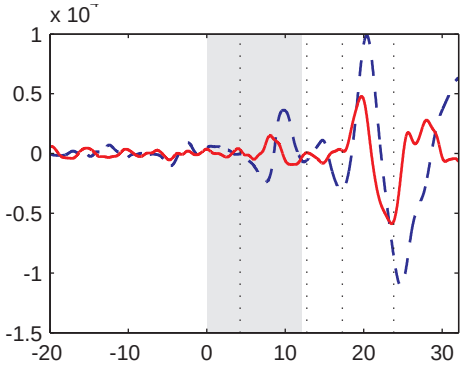
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.5”**



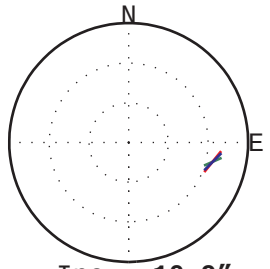




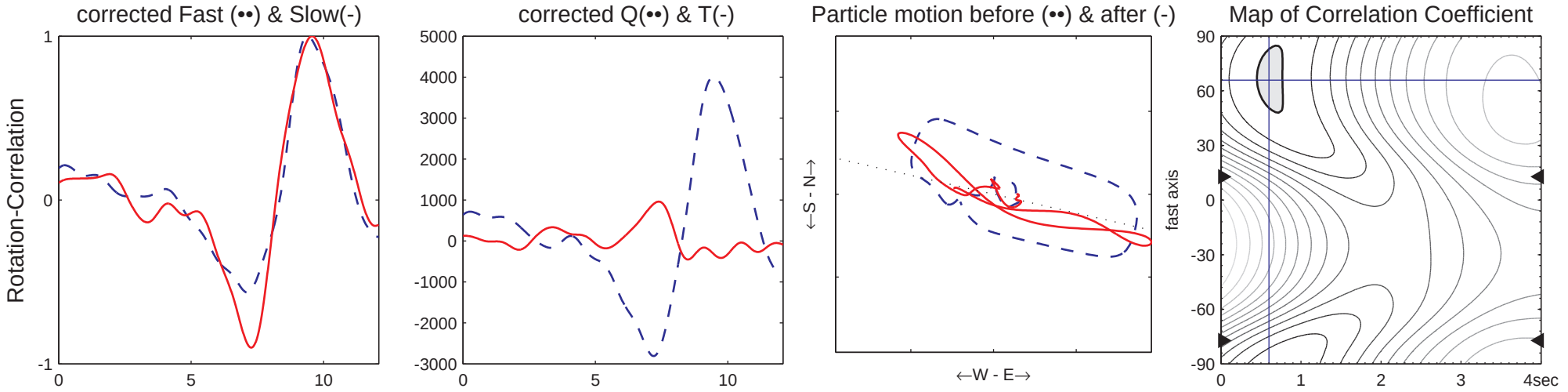
Event: **10-Mar-2011 (069) 17:08 -6.87N 116.72E 510km Mw=6.5**
Station: **ILIC** Backazimuth: **102.9”** Distance: **85.33”**
init.Pol.: **285.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.6**

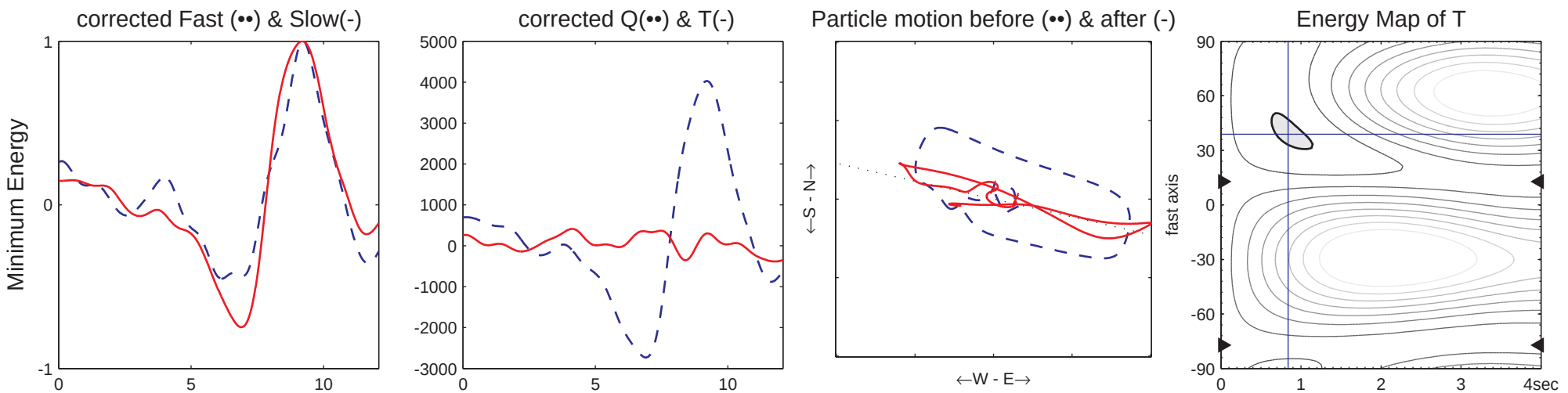
Rotation Correlation:	48<	66° <	85	0.4<0.6s<0.8
Minimum Energy:	31<	39° <	50	0.6<0.8s<1.2
Eigenvalue:	29<	45° <	-92	0.5<0.8s<1.2

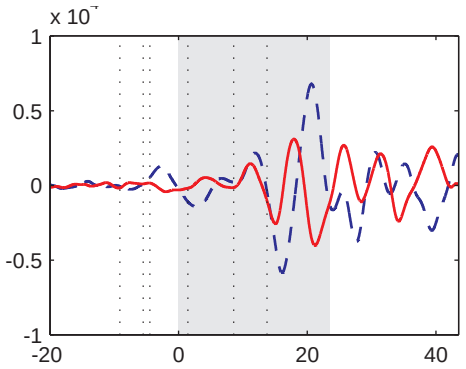
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.9”**



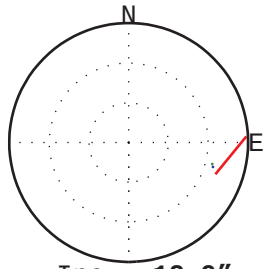




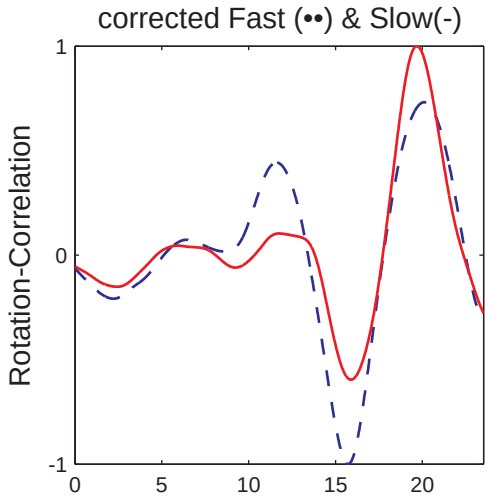
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **ILIC** Backazimuth: **97.2”** Distance: **88.46”**
init.Pol.: **288.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.0**

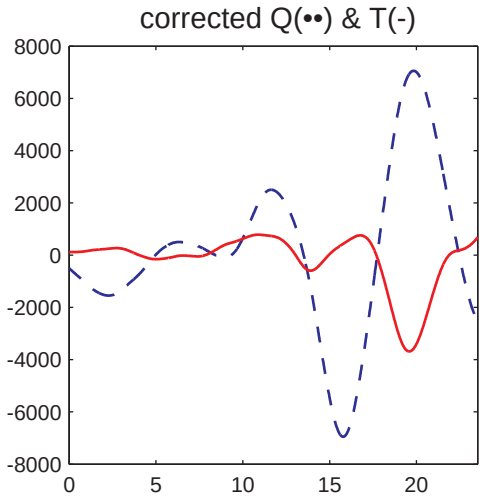
Rotation Correlation:	48<	65° <	84	0.9<1.3s<1.6
Minimum Energy:	27<	39° <	58	1.0<1.5s<2.1
Eigenvalue:	31<	57° <	-92	0.9<1.3s<1.9

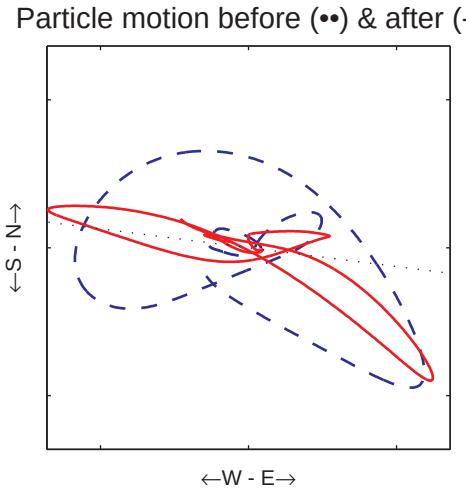
Quality: **fair** IsNull: **No** Phase: **SKKS**

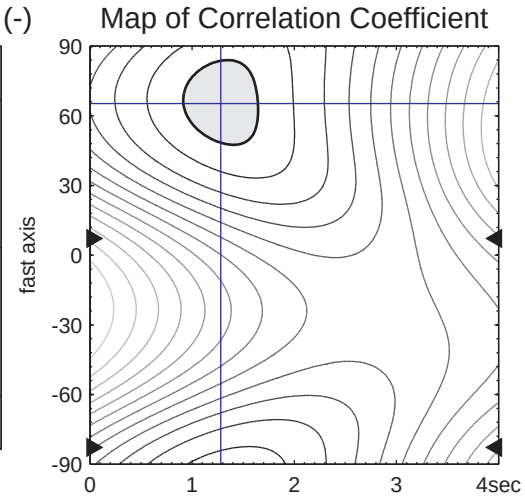


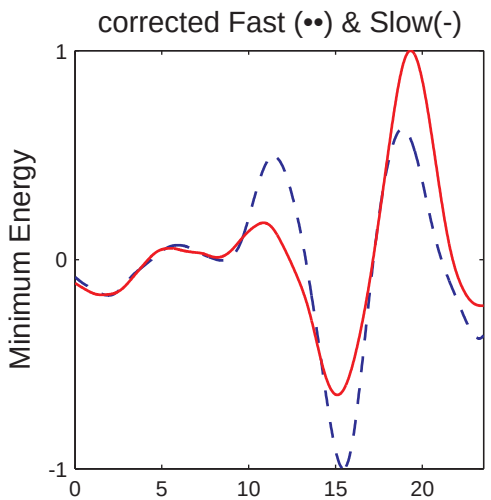
Inc = **12.9”**

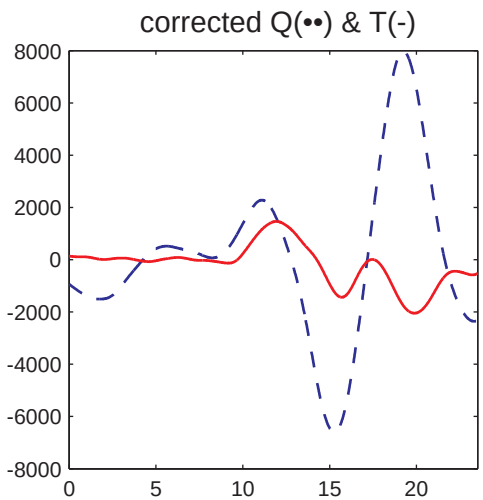


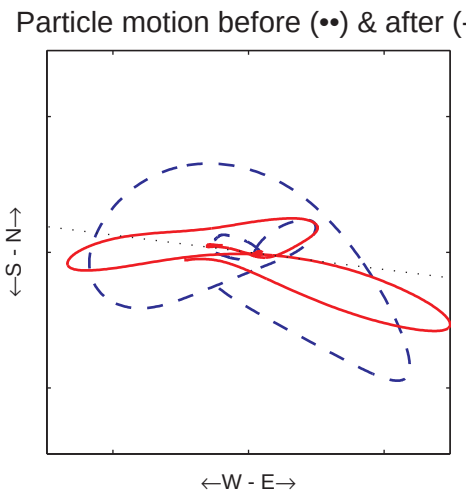


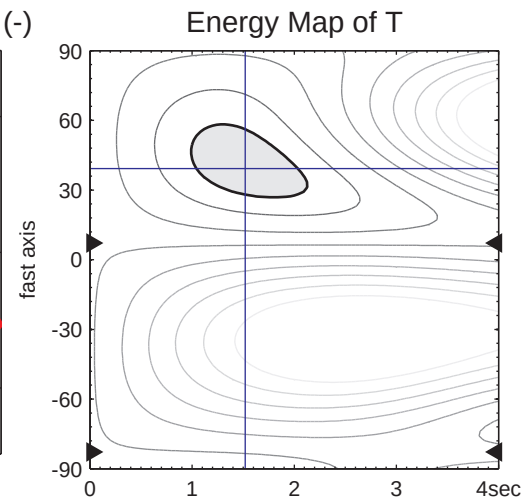


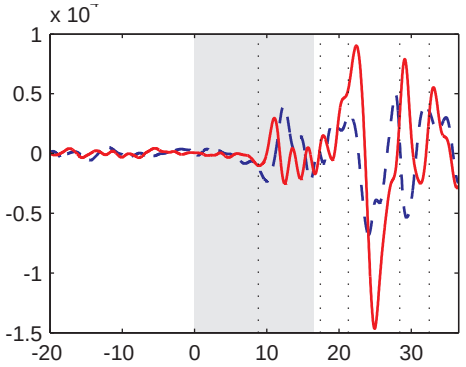








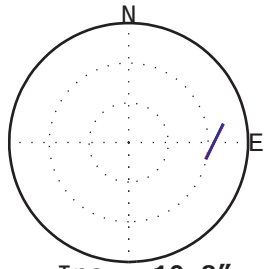




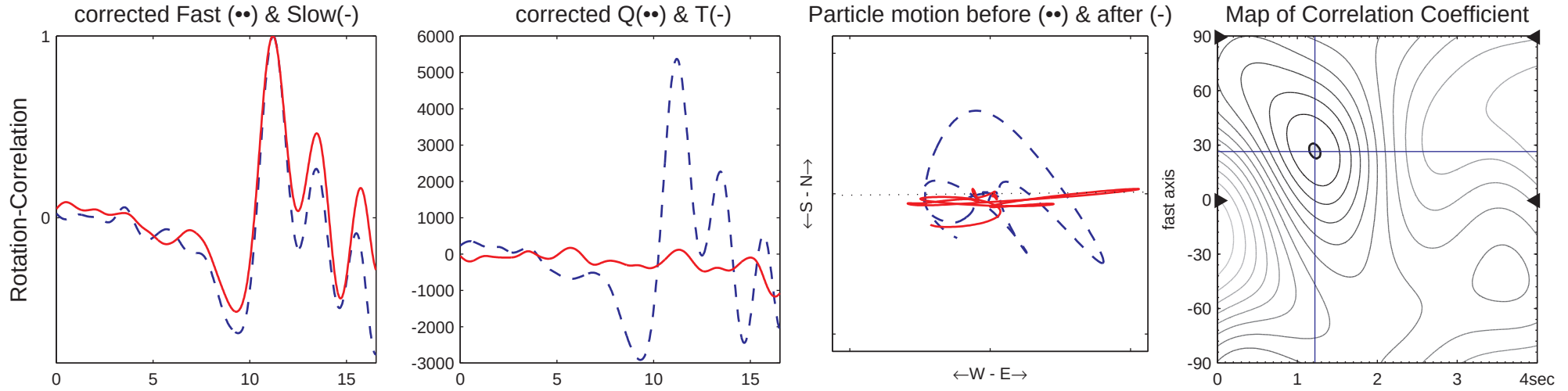
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **ILIC** Backazimuth: **89.4”** Distance: **86.77”**
init.Pol.: **266.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.8**

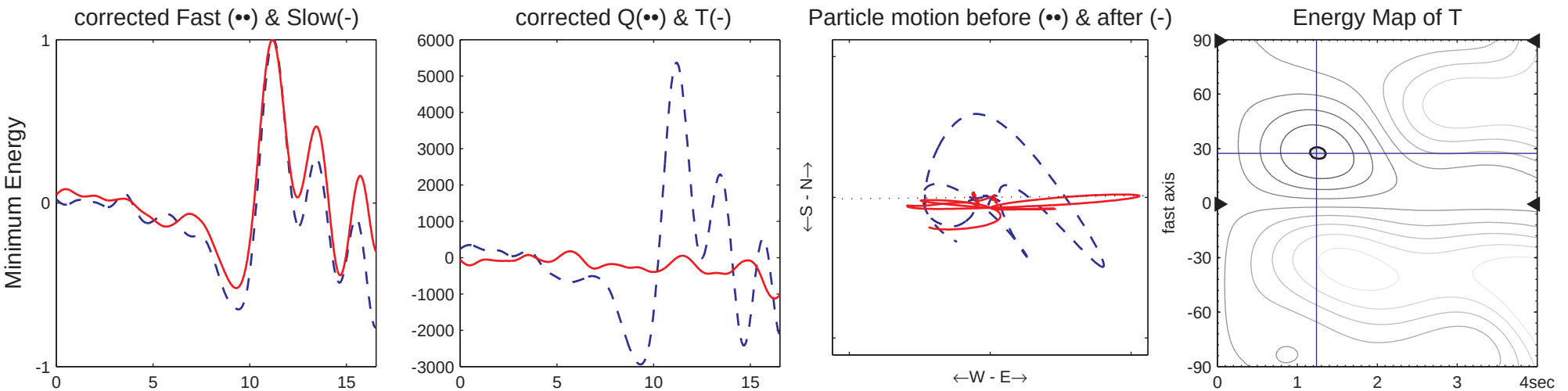
Rotation Correlation:	23<	26° <	31	1.2<1.2s<1.3
Minimum Energy:	25<	27° <	31	1.2<1.2s<1.4
Eigenvalue:	21<	25° <	29	1.2<1.2s<1.3

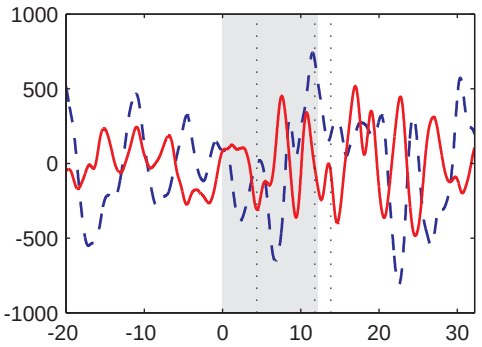
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



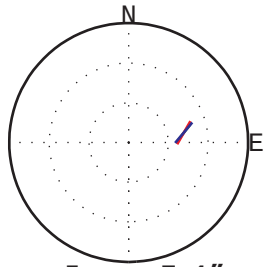




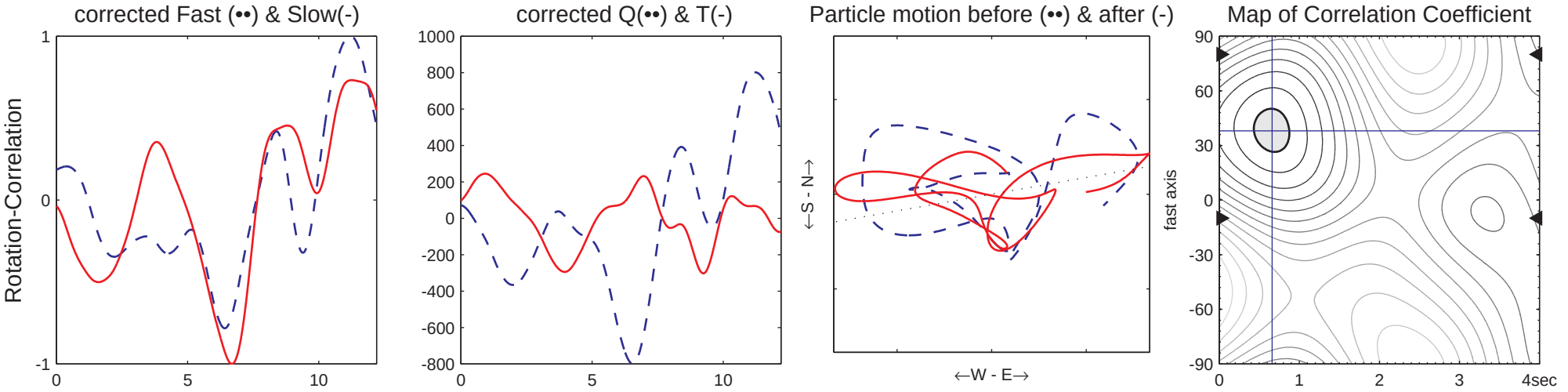
Event: **16-Jun-2011 (167) 00:03 -5.93N 151.04E 16km Mw=6.4**
Station: **ILIC** Backazimuth: **80.0”** Distance: **111.05”**
init.Pol.: **267.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.7**

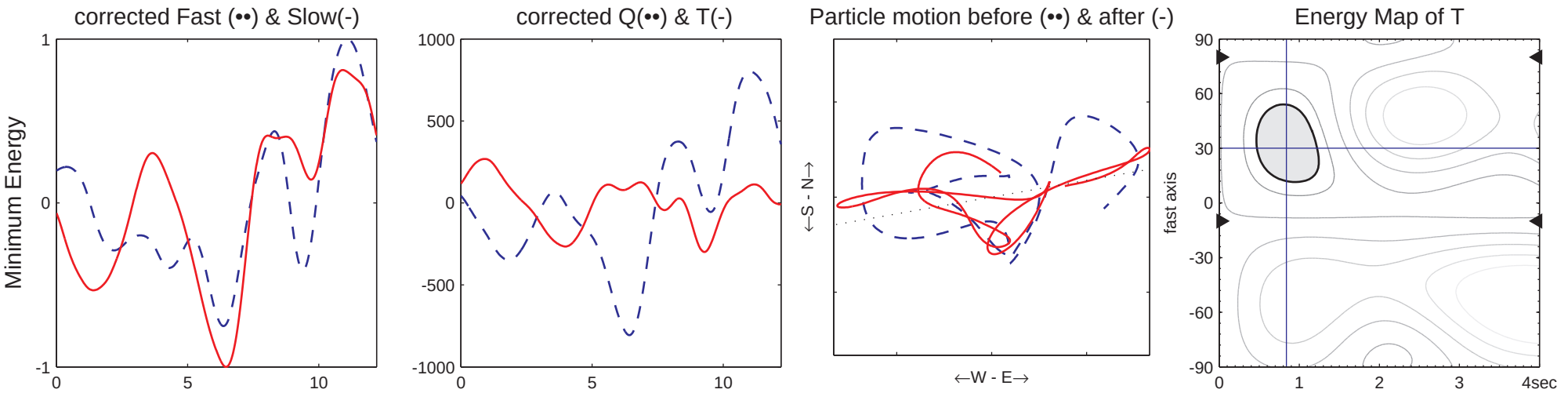
Rotation Correlation:	27<	38° <	50	0.4<0.7s<0.9
Minimum Energy:	11<	30° <	54	0.5<0.8s<1.2
Eigenvalue:	13<	40° <	68	0.5<0.8s<1.2

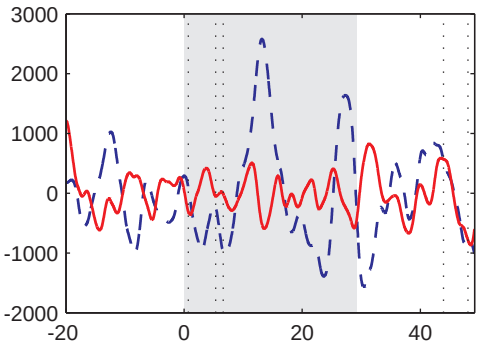
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.1”**



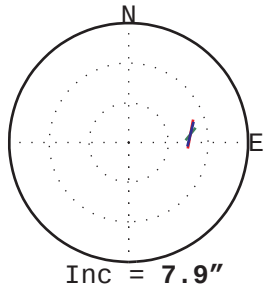


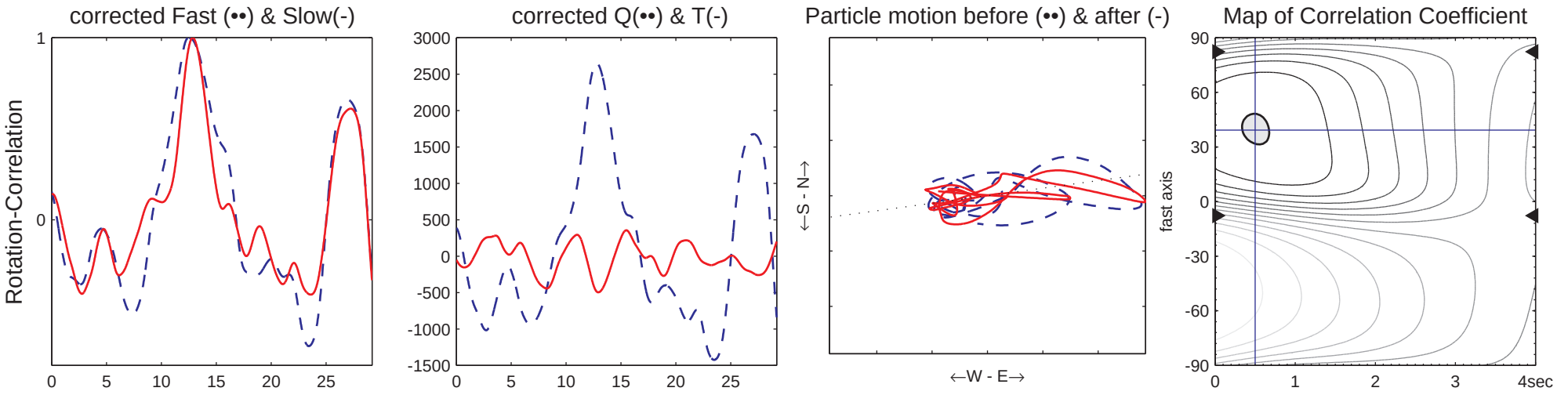


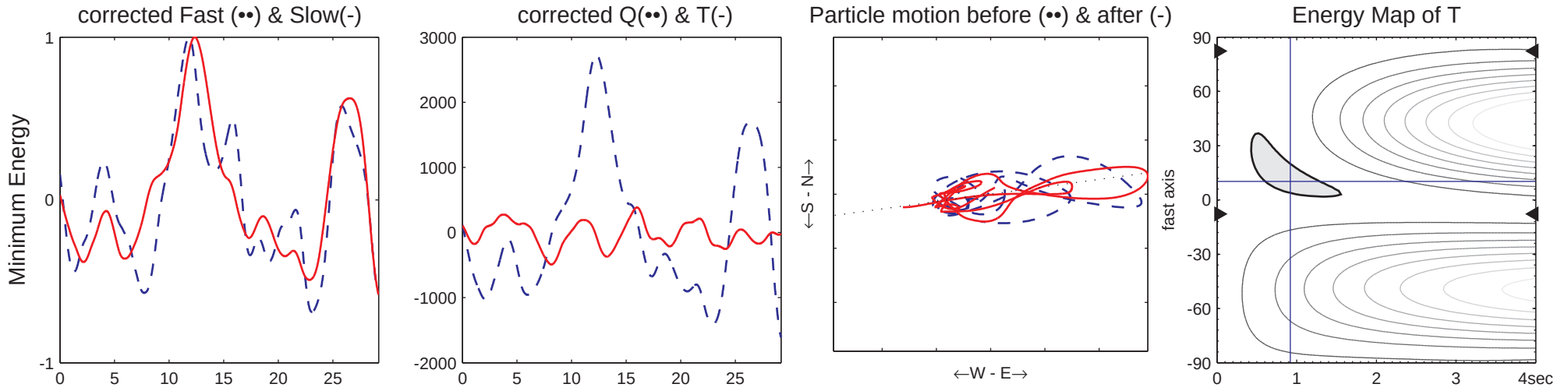
Event: **31-Jul-2011 (212) 23:38 -3.52N 144.83E 10km Mw=6.6**
Station: **ILIC** Backazimuth: **82.3”** Distance: **104.76”**
init.Pol.: **264.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.2**

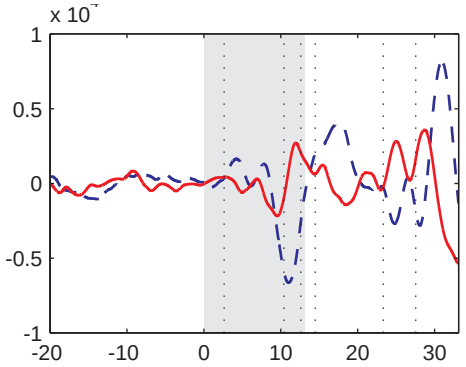
Rotation Correlation:	32<	39° <	48	0.3<0.5s<0.7
Minimum Energy:	1<	10° <	37	0.4<0.9s<1.6
Eigenvalue:	3<	14° <	54	0.4<0.8s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





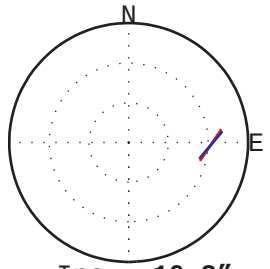




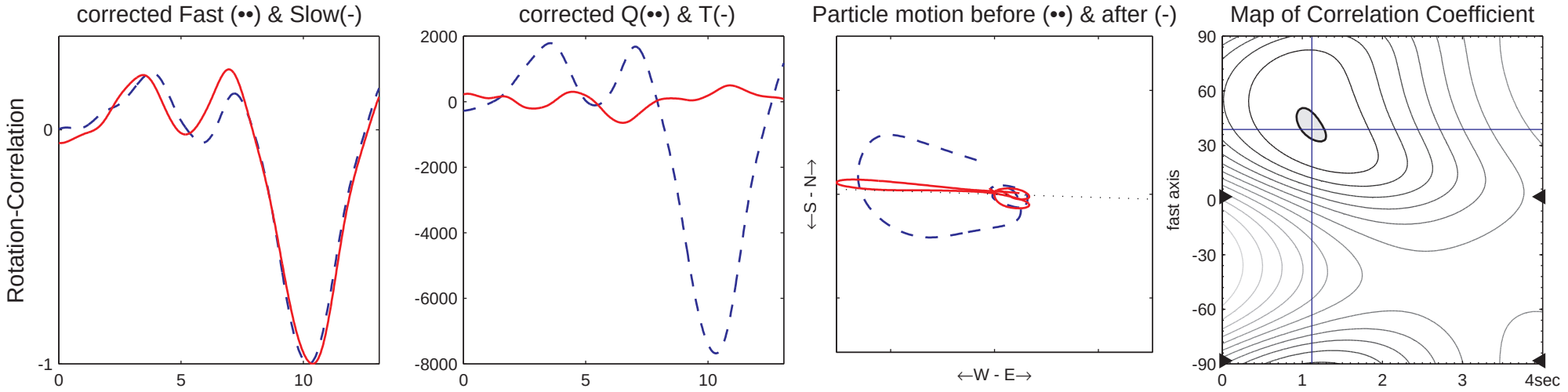
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **ILIC** Backazimuth: **91.8”** Distance: **89.32”**
init.Pol.: **275.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**15.8**

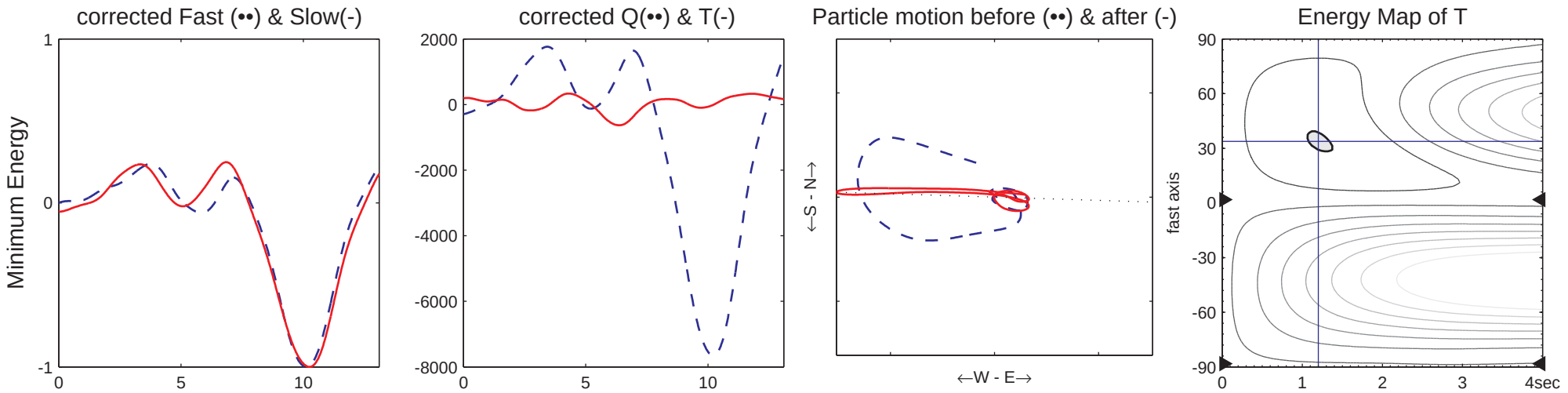
Rotation Correlation:	32<	39° <	51	0.9<1.1s<1.3
Minimum Energy:	27<	34° <	39	1.1<1.2s<1.4
Eigenvalue:	31<	40° <	50	1.0<1.1s<1.3

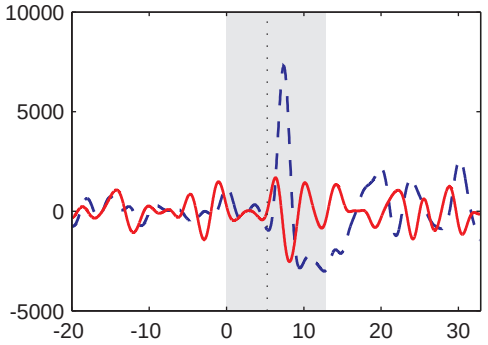
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.3”**



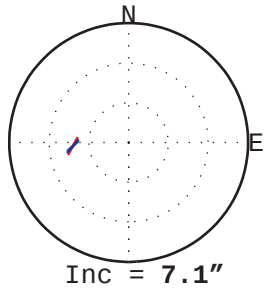


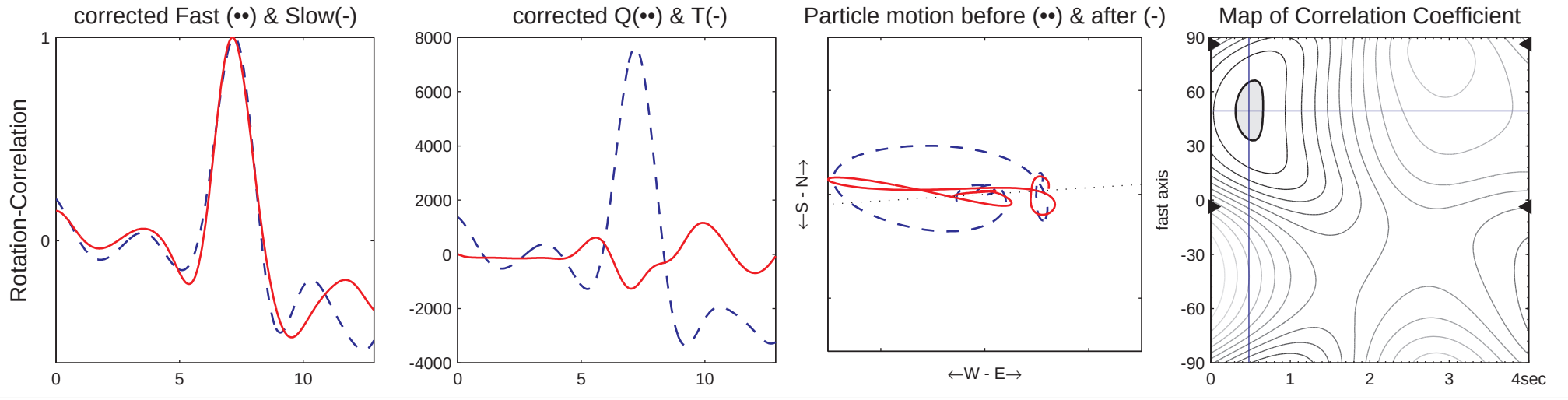


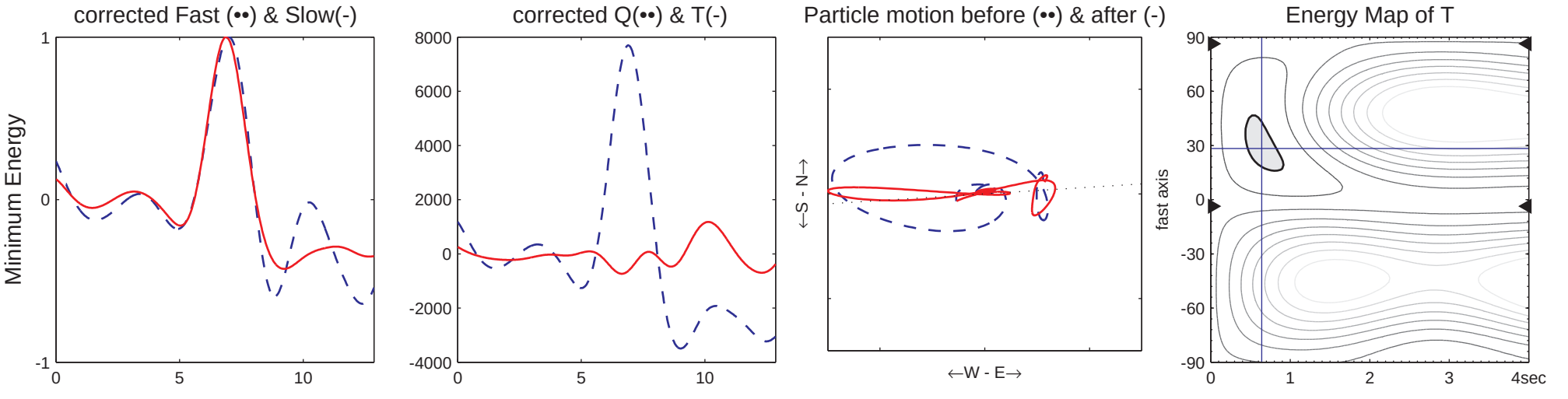
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **ILIC** Backazimuth: **266.3”** Distance: **110.13”**
init.Pol.: **91.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.8**

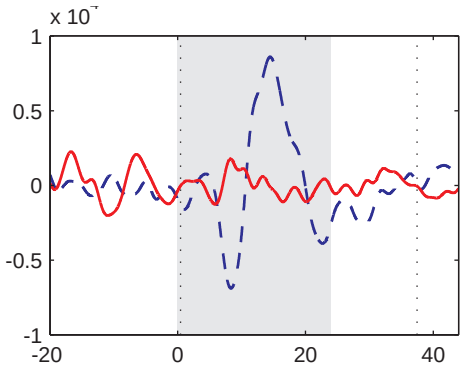
Rotation Correlation:	33<	49° <	66	0.3<0.5s<0.6
Minimum Energy:	15<	28° <	48	0.4<0.6s<0.9
Eigenvalue:	21<	40° <	70	0.4<0.6s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





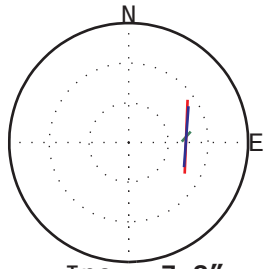


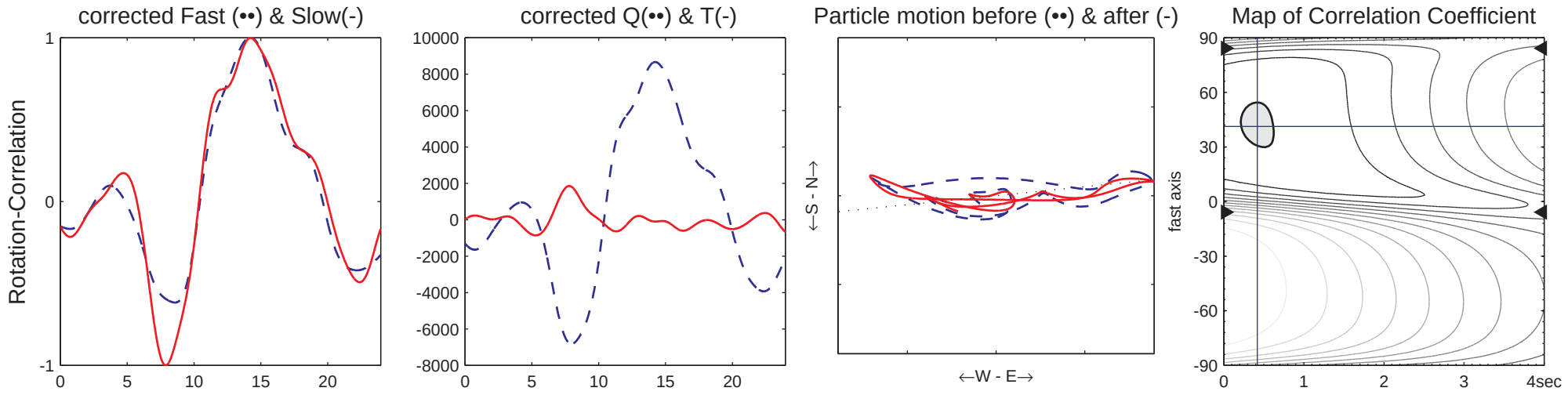


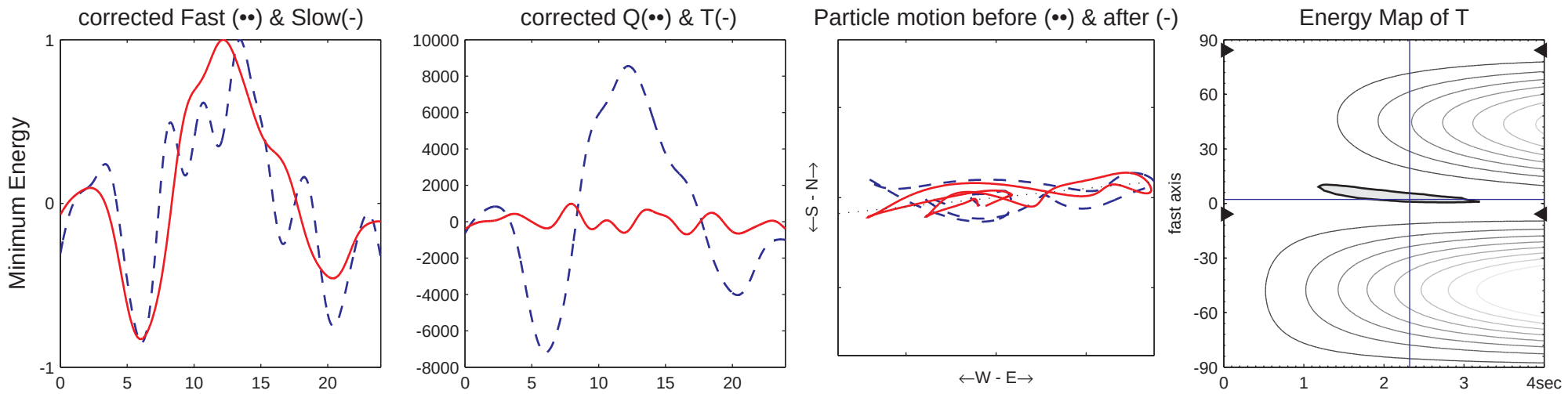
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **ILIC** Backazimuth: **84.2”** Distance: **108.85”**
init.Pol.: **264.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.9**

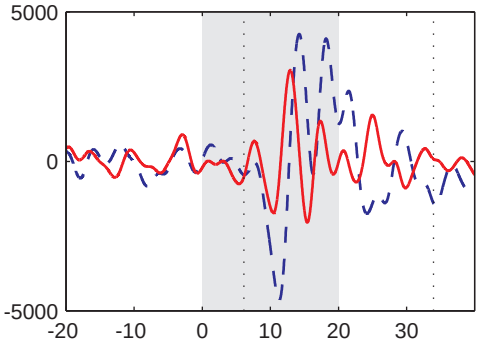
Rotation Correlation:	30<	41° <	55	0.2<0.4s<0.6
Minimum Energy:	1<	2° <	11	1.2<2.3s<3.2
Eigenvalue:	-1<	4° <	21	0.7<1.9s<3.3

Quality: **good** IsNull: **Yes** Phase: **SKS**





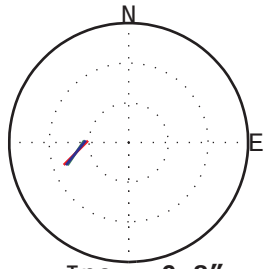




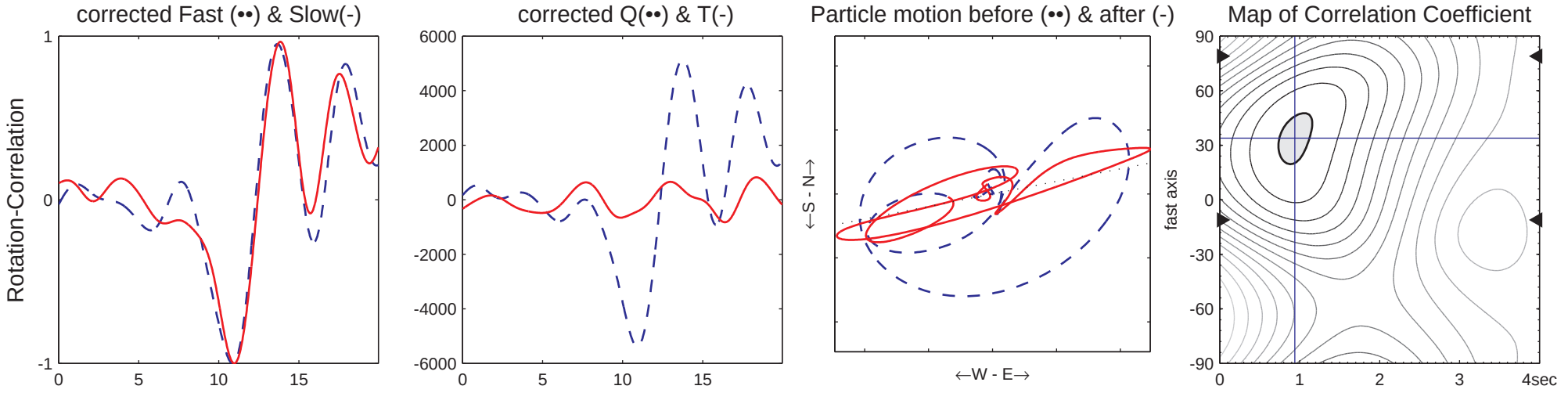
Event: **17-Nov-2005 (321) 19:26 -22.32N -67.89E 162km** Mw=**6.9**
Station: **KARA** Backazimuth: **258.9”** Distance: **113.26”**
init.Pol.: **75.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.6**

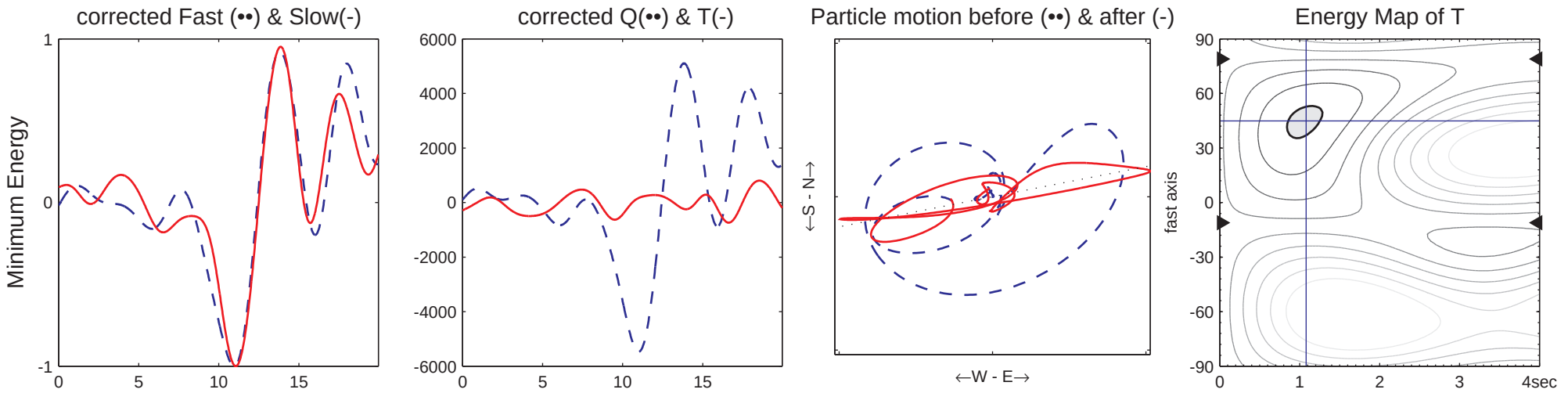
Rotation Correlation:	20<	34° <	48	0.7<0.9s<1.2
Minimum Energy:	35<	45° <	54	0.8<1.1s<1.3
Eigenvalue:	25<	39° <	52	0.8<1.0s<1.2

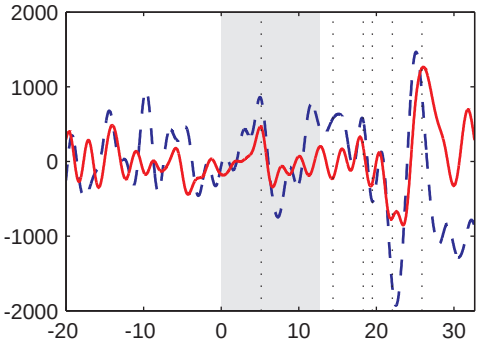
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



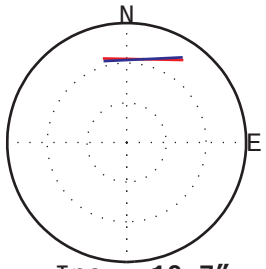




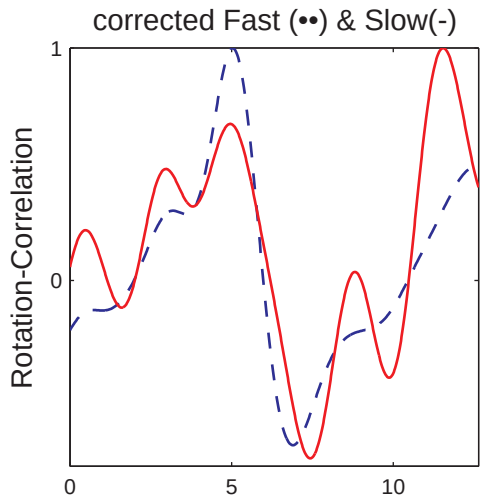
Event: **20-Nov-2005 (324) 12:53 53.84N -164.09E 30km Mw=6.2**
Station: **KARA** Backazimuth: **11.2”** Distance: **87.41”**
init.Pol.: **185.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

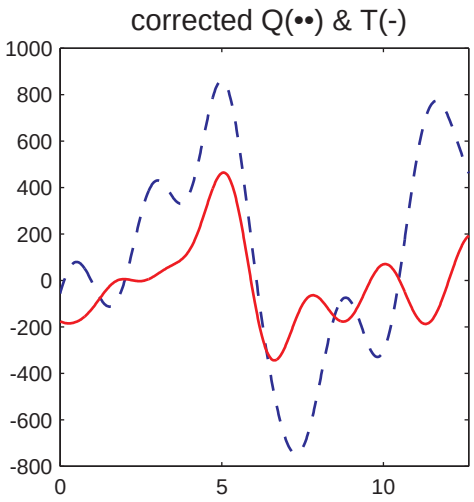
Rotation Correlation:	-58<	-48° < -40	0.0<0.0s<0.2
Minimum Energy:	-Inf<	-89° < Inf	0.0<2.5s<Inf
Eigenvalue:	80<	87° < -88	1.7<2.5s<4.0

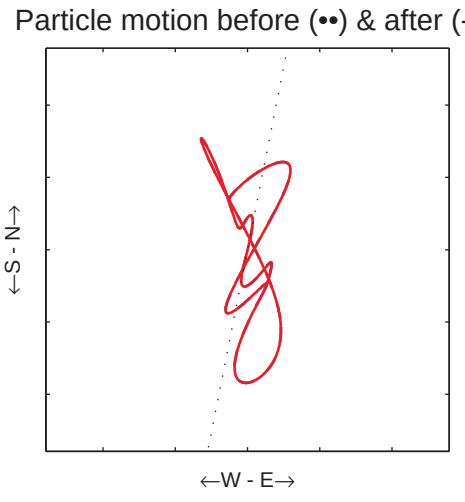
Quality: **good** IsNull: **Yes** Phase: **SKS**

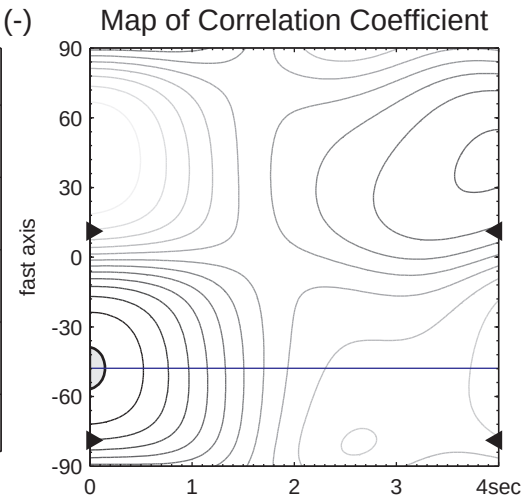


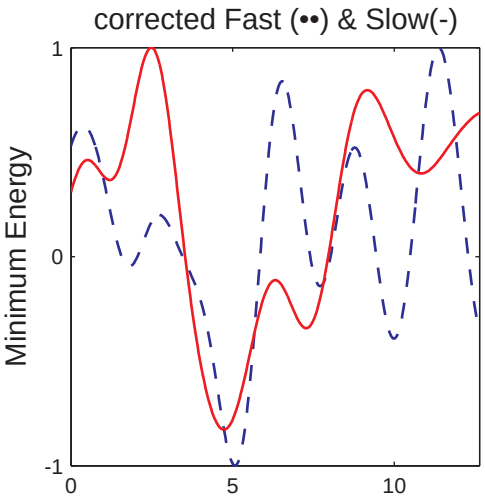
Inc = **10.7”**

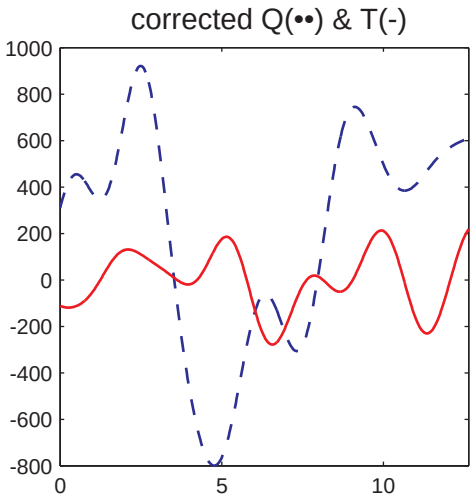


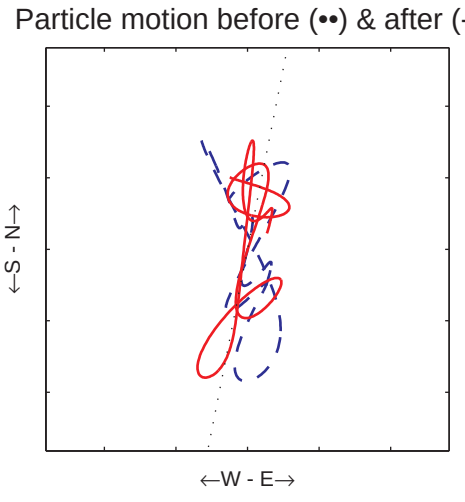


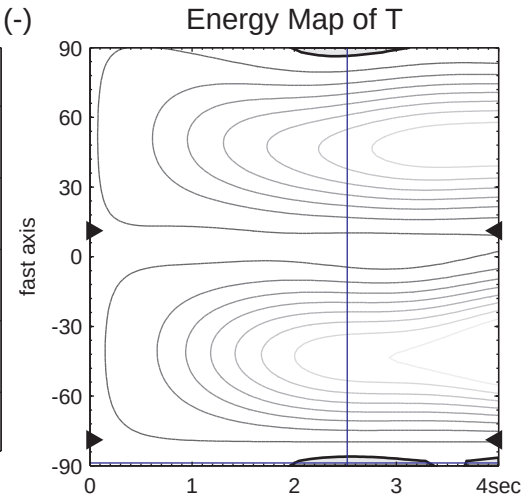


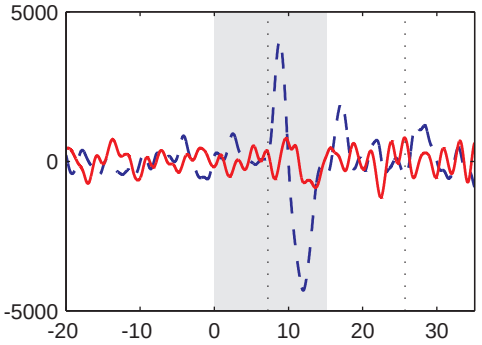








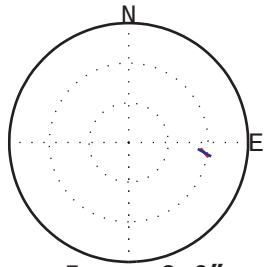




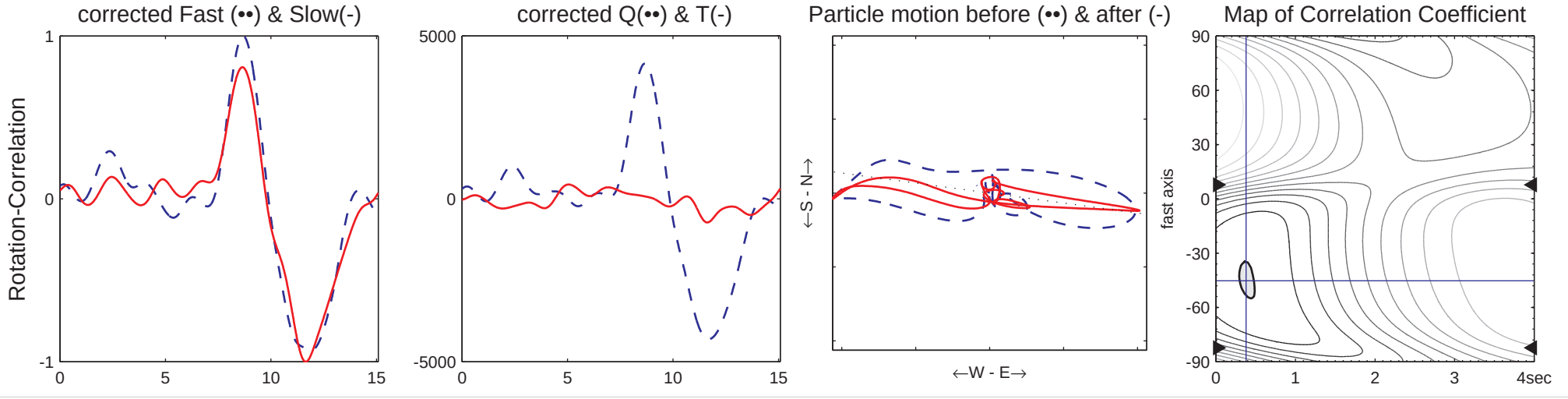
Event: **15-Jan-2006 (015) 11:58 -7.83N 122.60E 264km Mw=6.1**
Station: **KARA** Backazimuth: **97.7”** Distance: **92.79”**
init.Pol.: **272.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.2**

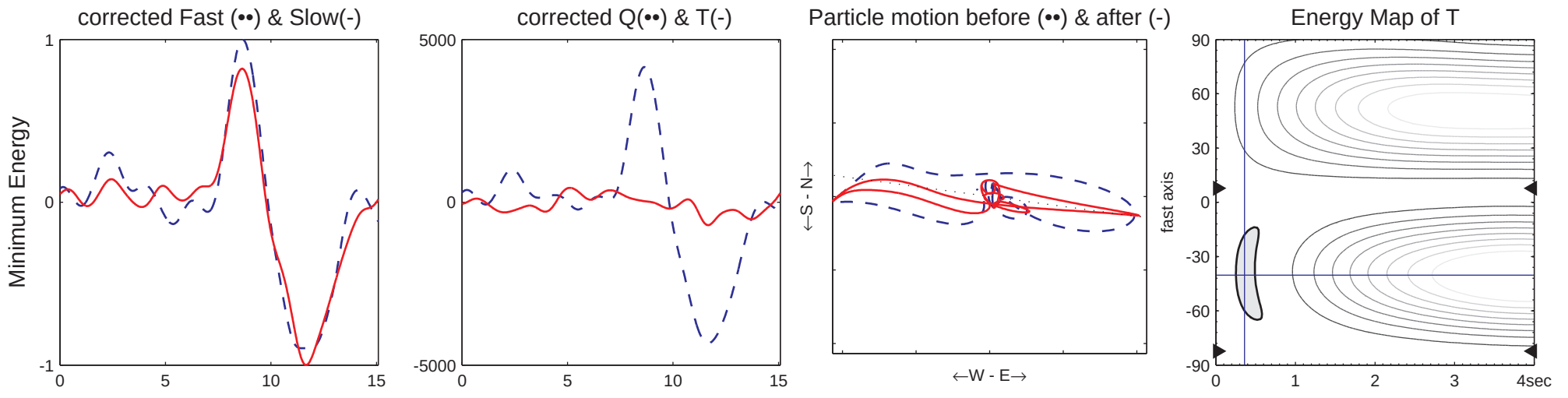
Rotation Correlation:	-56<	-45° <	-36 0.3<0.4s<0.5
Minimum Energy:	-68<	-40° <	-15 0.2<0.4s<0.6
Eigenvalue:	-78<	-60° <	-39 0.3<0.5s<0.8

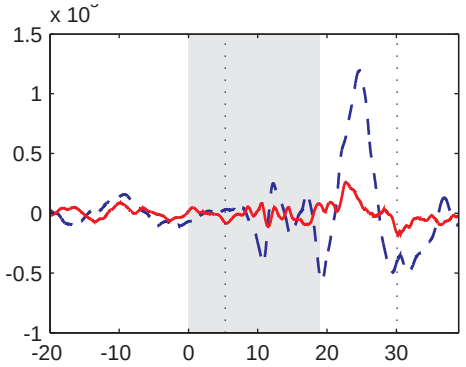
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **9.6”**



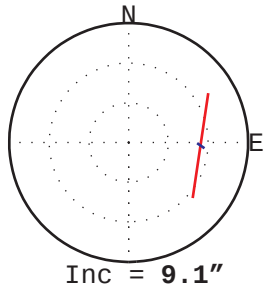


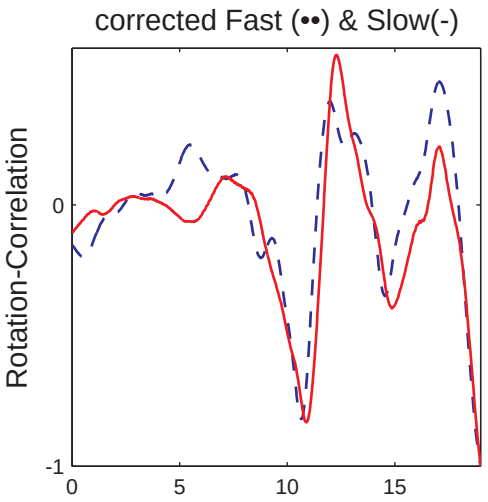


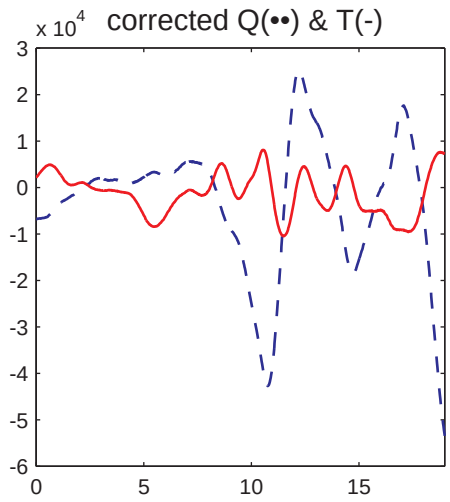
Event: **27-Jan-2006 (027) 16:58 -5.47N 128.13E 397km Mw=7.6**
Station: **KARA** Backazimuth: **92.5”** Distance: **95.75”**
init.Pol.: **278.3”** Filter: **0.000Hz - InfHz** SNR_{SC}: **8.2**

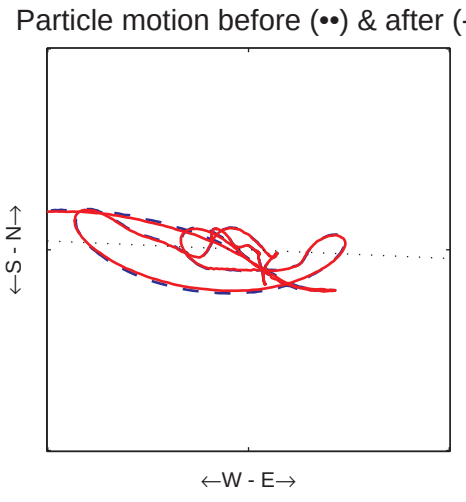
Rotation Correlation:	-41<	-34° <	-30	0.0<0.0s<0.1
Minimum Energy:	7<	9° <	11	2.9<3.3s<3.7
Eigenvalue:	-78<	-55° <	-9	0.1<0.3s<0.7

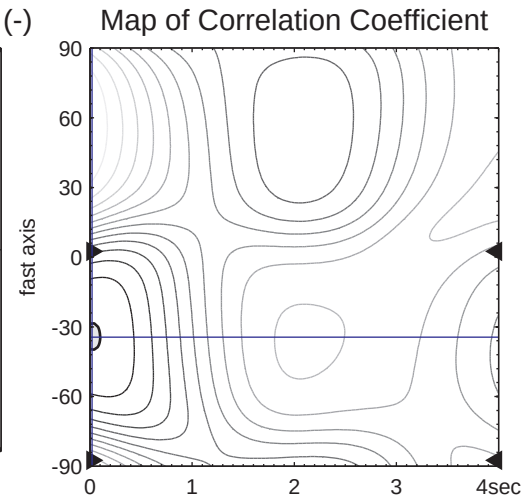
Quality: **good** IsNull: **Yes** Phase: **SKS**

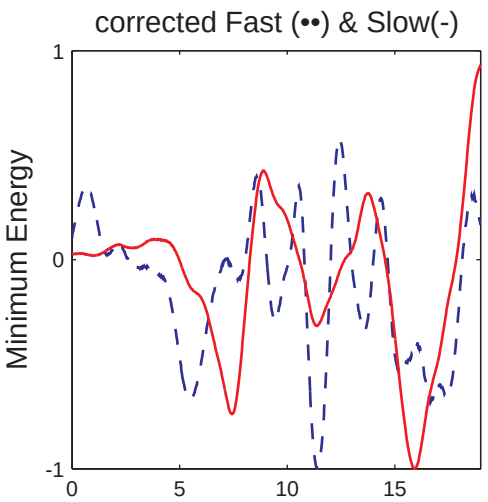


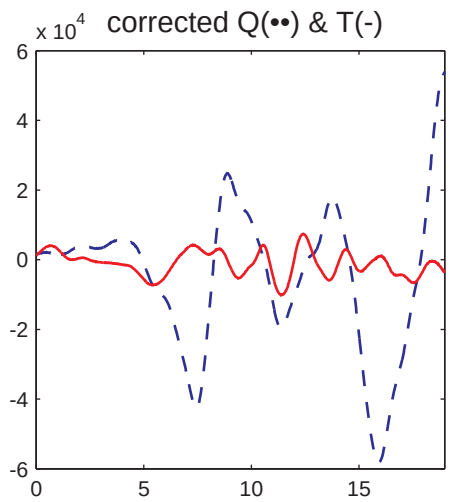


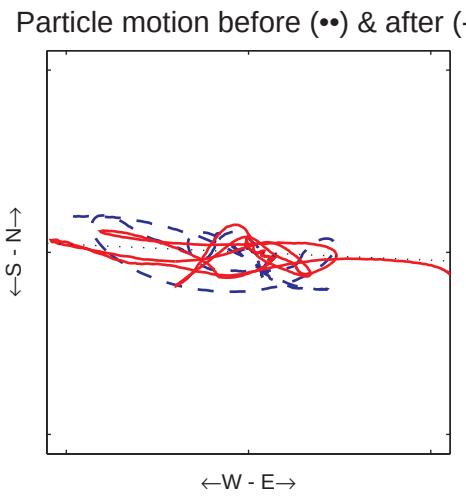


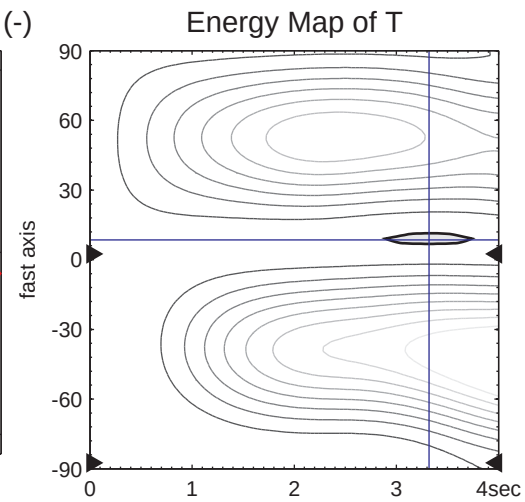


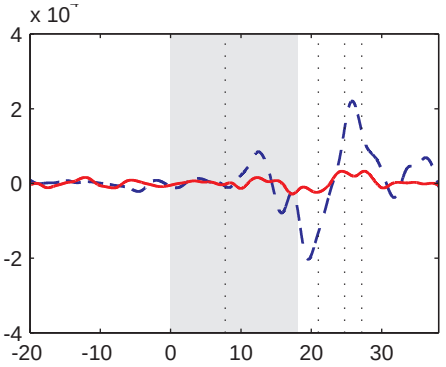








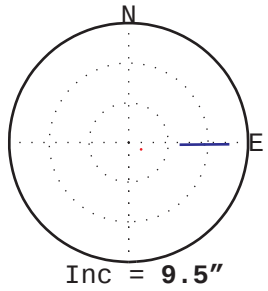


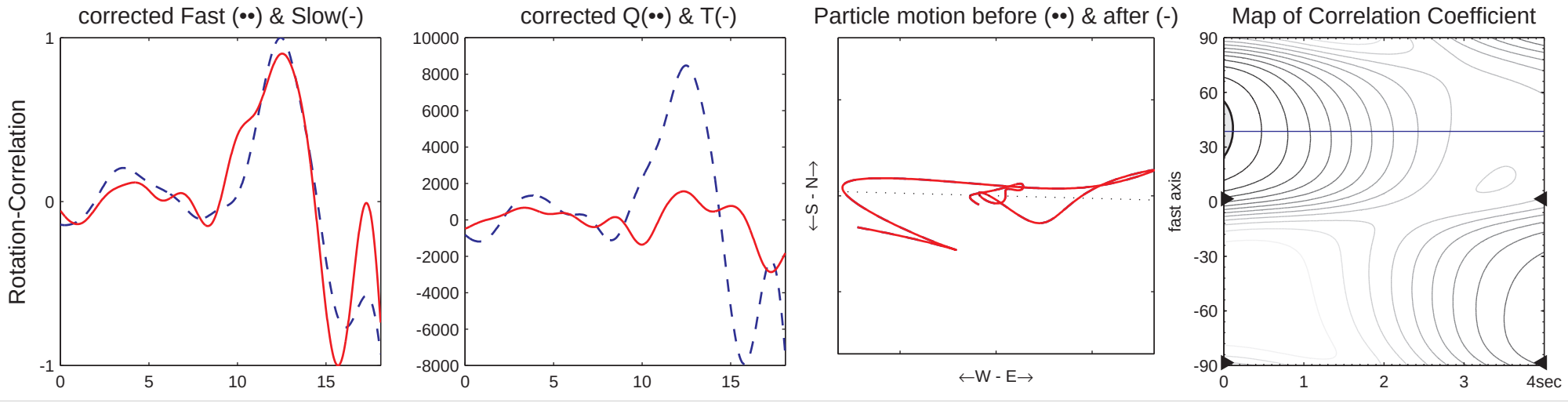


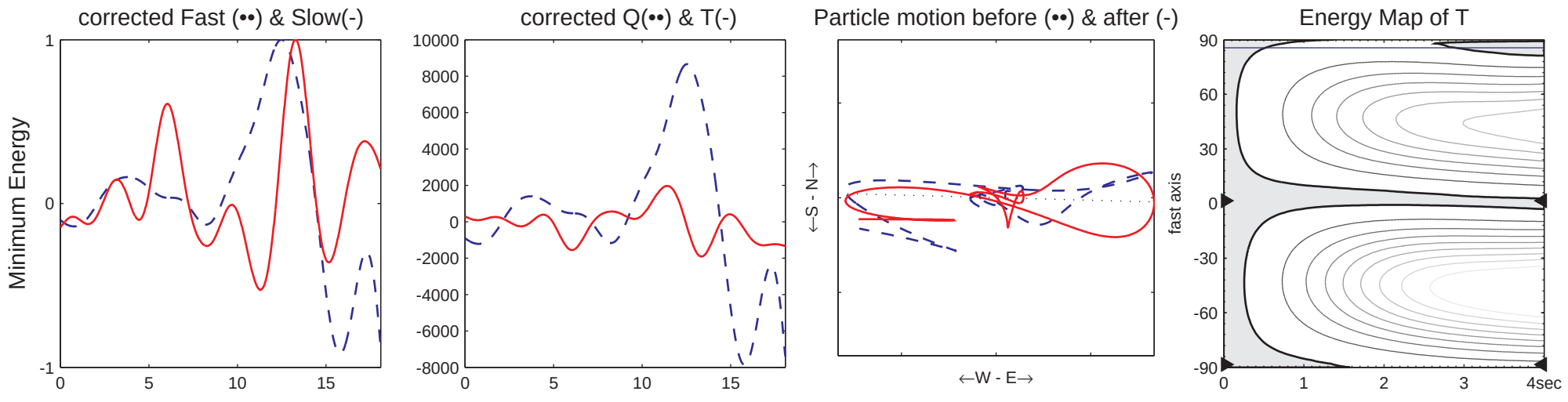
Event: **14-Mar-2006 (073) 06:57 -3.60N 127.21E 30km Mw=6.7**
Station: **KARA** Backazimuth: **91.6”** Distance: **93.89”**
init.Pol.: **258.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

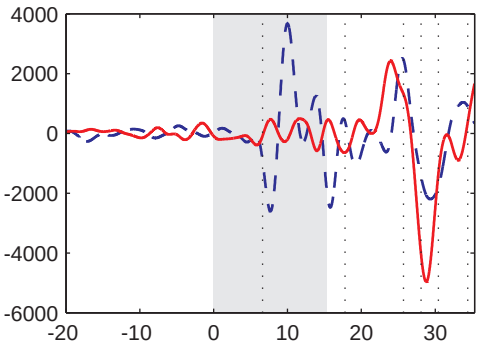
Rotation Correlation:	25<	39° <	55	0.0<0.0s<0.1
Minimum Energy:	3<	86° <	-3	0.2<4.0s<4.0
Eigenvalue:	86<	90° <	-88	0.8<1.6s<2.1

Quality: **good** IsNull: **Yes** Phase: **SKS**





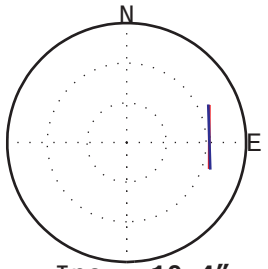




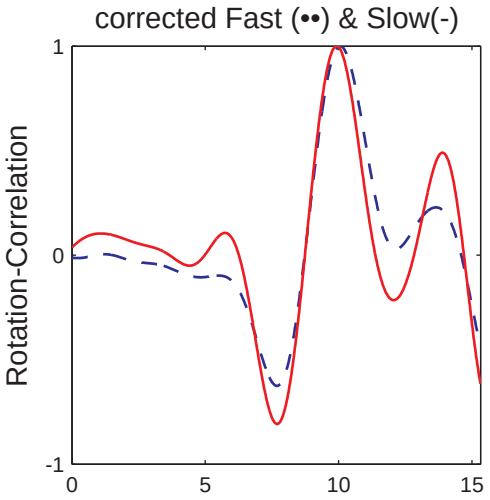
Event: **31-Mar-2006 (090) 21:14 3.79N 126.37E 54km Mw=6.2**
Station: **KARA** Backazimuth: **86.2”** Distance: **88.75”**
init.Pol.: **260.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.0**

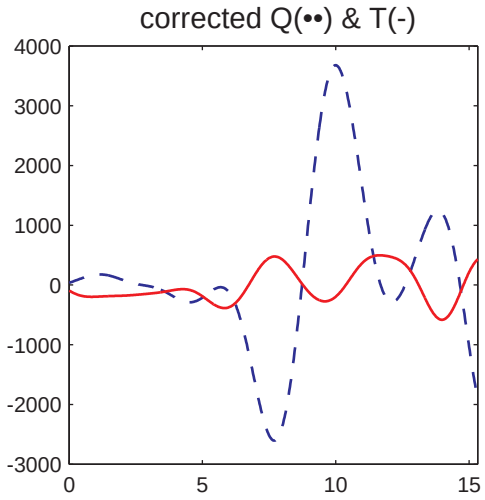
Rotation Correlation:	32<	46° <	62	0.0<0.0s<0.1
Minimum Energy:	-1<	0° <	5	1.3<2.0s<2.7
Eigenvalue:	-9<	-2° <	1	1.6<2.0s<2.5

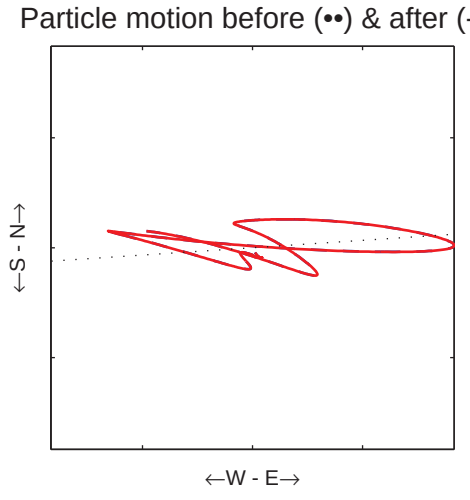
Quality: **good** IsNull: **Yes** Phase: **SKS**

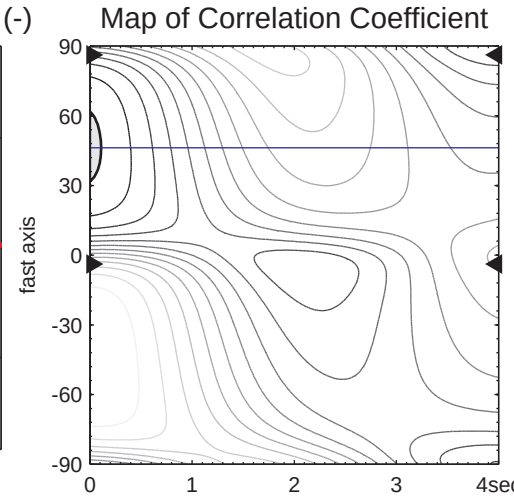


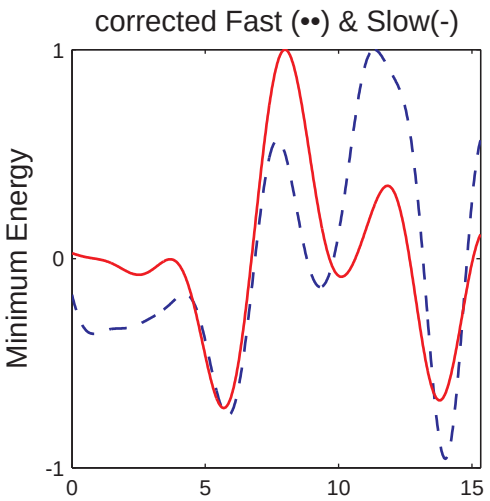
Inc = **10.4”**

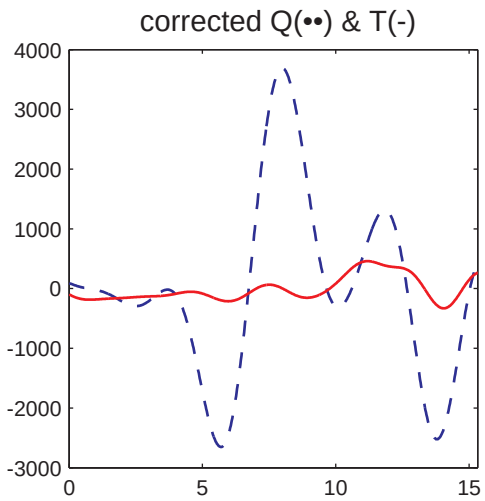


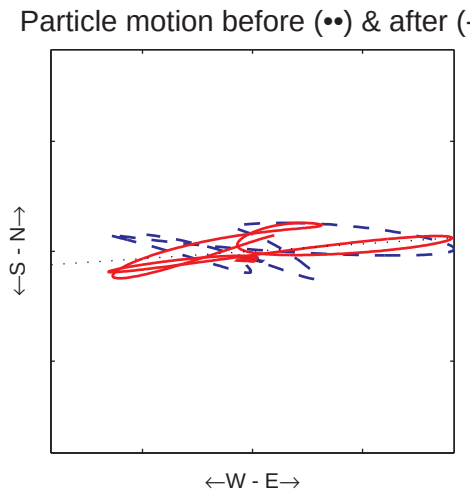


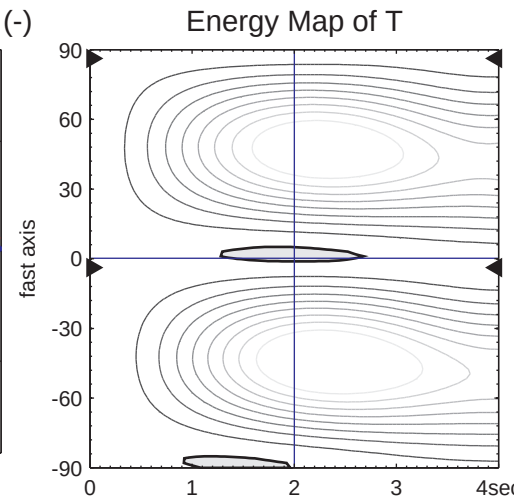


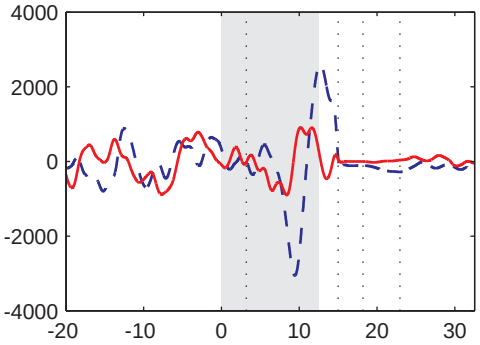








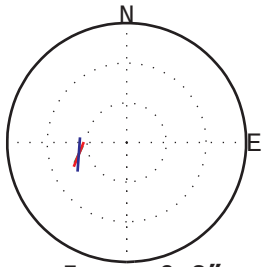


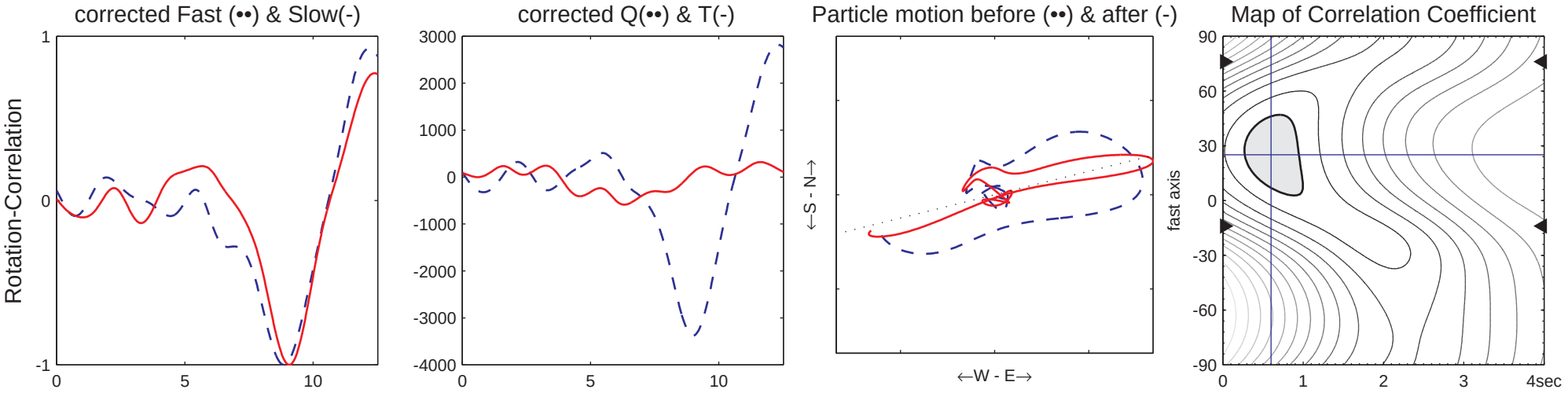


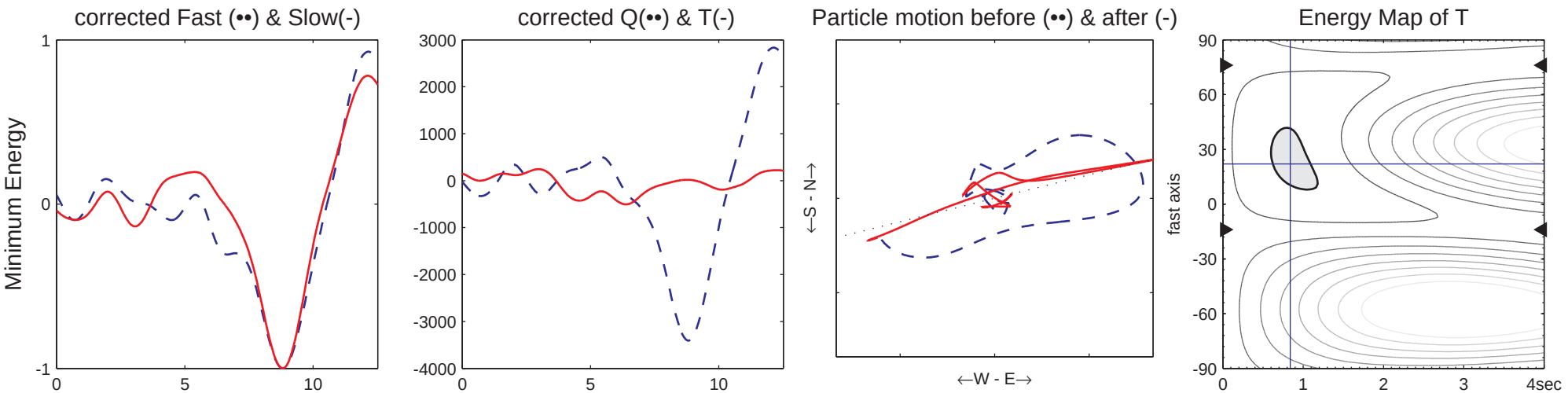
Event: **30-Apr-2006 (120) 19:17 -27.01N -70.96E 26km Mw=6.7**
Station: **KARA** Backazimuth: **256.1”** Distance: **118.07”**
init.Pol.: **68.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.1**

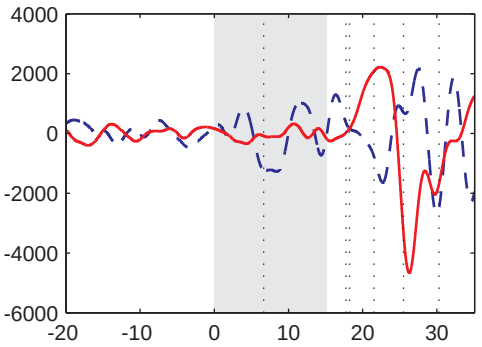
Rotation Correlation:	3<	25° <	47	0.3<0.6s<1.0
Minimum Energy:	7<	22° <	41	0.6<0.8s<1.2
Eigenvalue:	-21<	4° <	35	0.7<1.1s<2.3

Quality: **fair** IsNull: **No** Phase: **SKS**





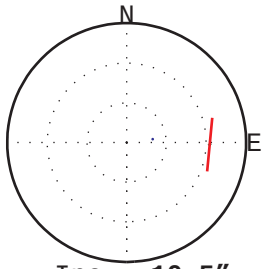




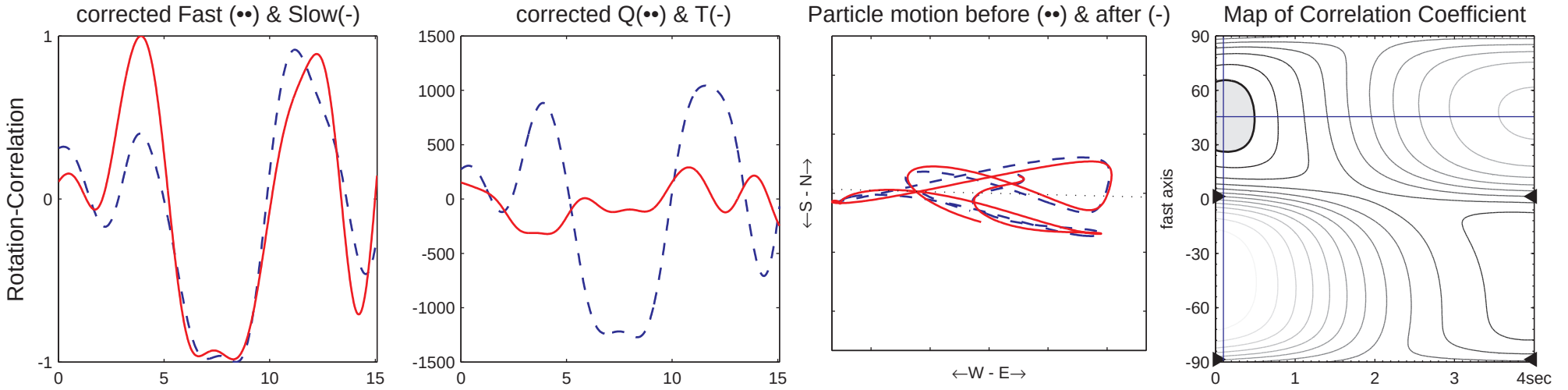
Event: **24-Jun-2006 (175) 21:15 -0.39N 123.19E 26km Mw=6.3**
Station: **KARA** Backazimuth: **91.4”** Distance: **88.75”**
init.Pol.: **284.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

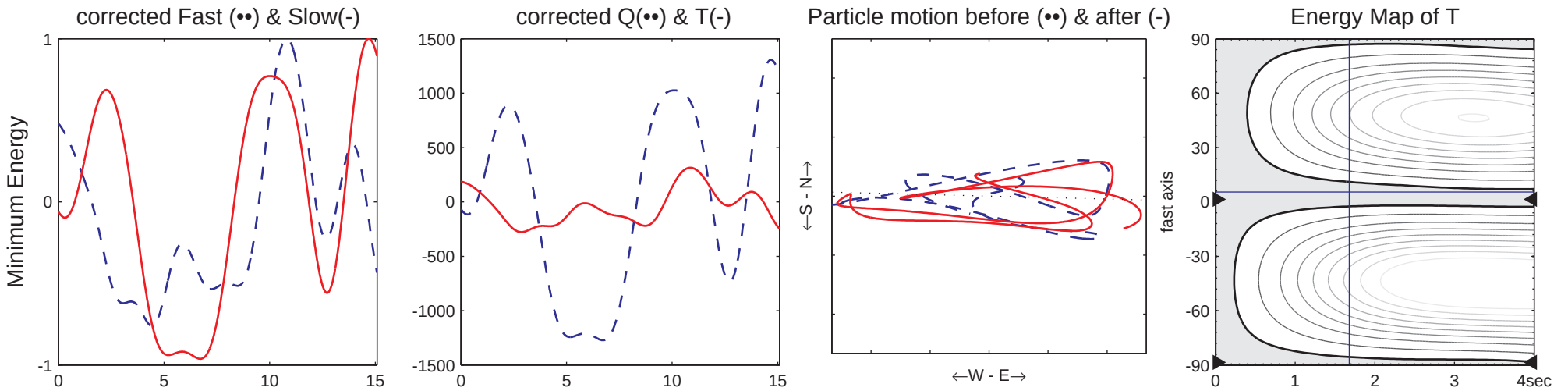
Rotation Correlation:	26<	45° < 66	0.0<0.1s<0.5
Minimum Energy:	-Inf<	5° < Inf	0.0<1.7s<Inf
Eigenvalue:	88<	-85° < -80	2.1<3.6s<4.0

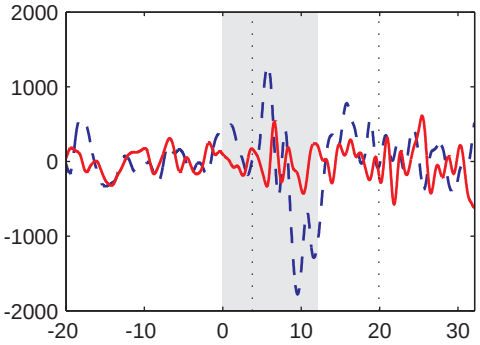
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.5”**



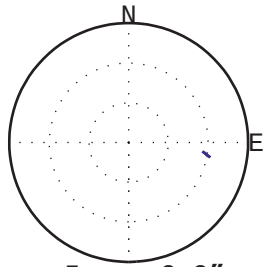


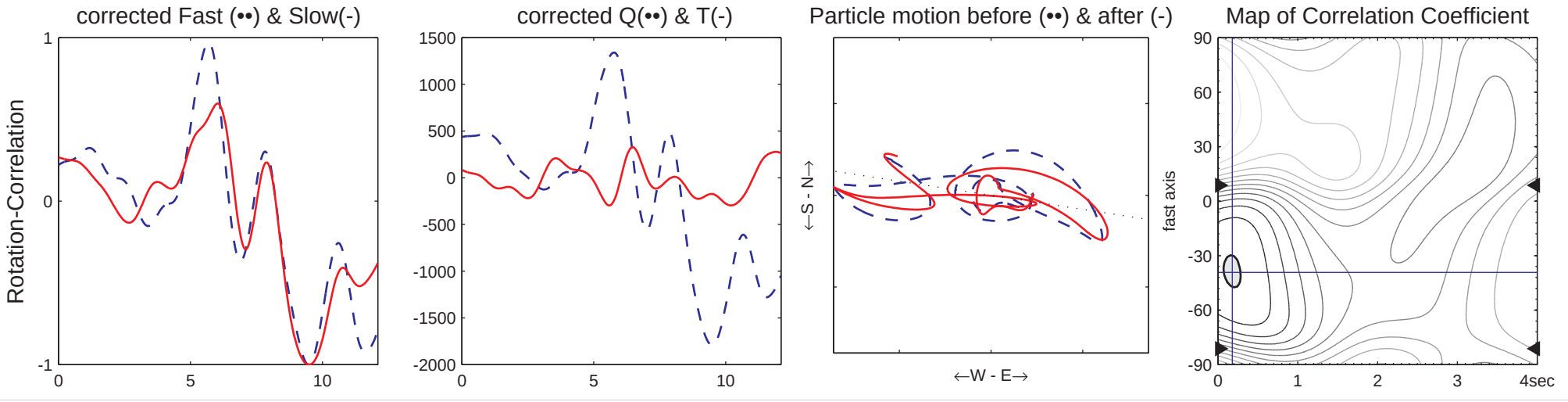


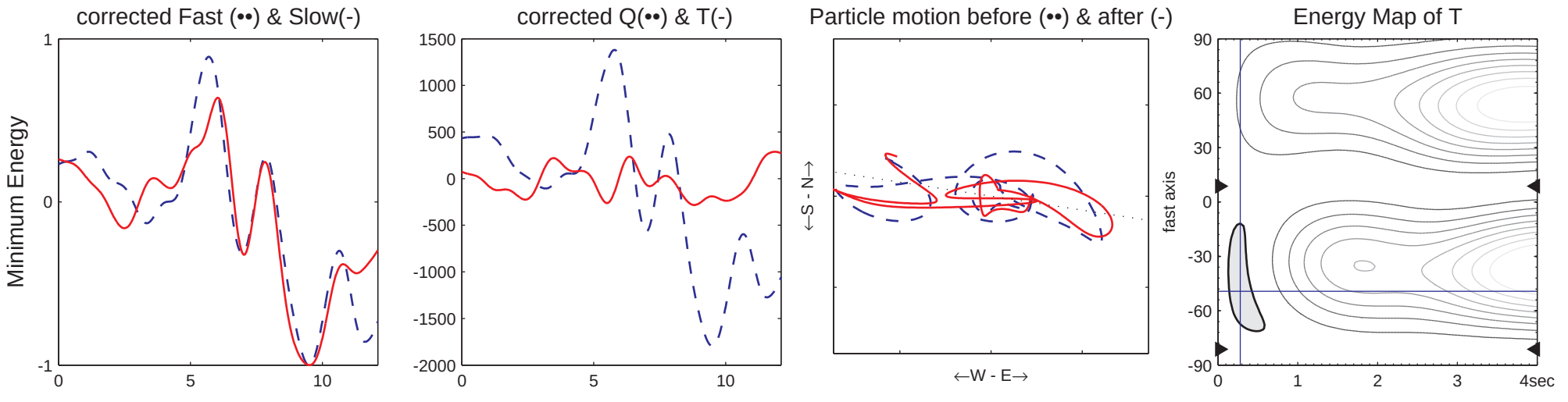
Event: **09-Sep-2006 (252) 04:13 -7.22N 120.10E 571km Mw=6.3**
Station: **KARA** Backazimuth: **98.7”** Distance: **90.45”**
init.Pol.: **277.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.6**

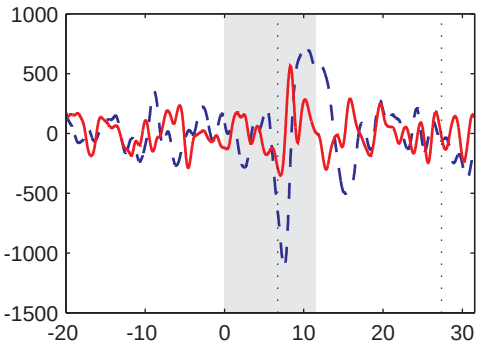
Rotation Correlation:	-49<	-39° <	-31	0.1<0.2s<0.3
Minimum Energy:	-74<	-49° <	-13	0.1<0.3s<0.6
Eigenvalue:	-76<	-53° <	-17	0.2<0.3s<0.6

Quality: **fair** IsNull: **No** Phase: **SKS**





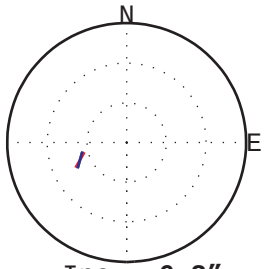




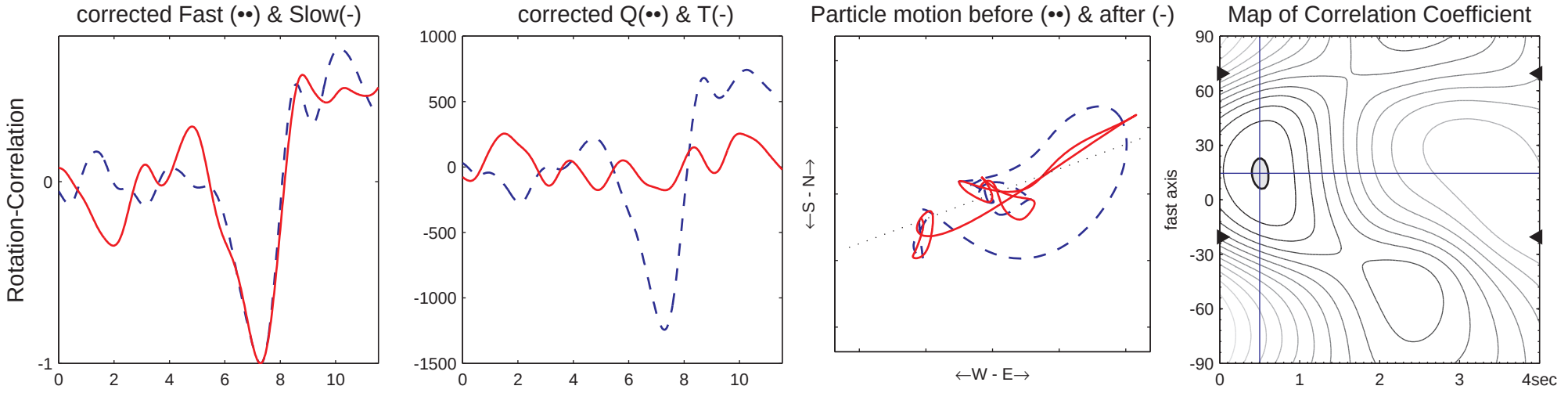
Event: **17-Sep-2006 (260) 09:34 -31.73N -67.00E 141km** Mw=**6.2**
Station: **KARA** Backazimuth: **249.5”** Distance: **117.37”**
init.Pol.: **62.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.3**

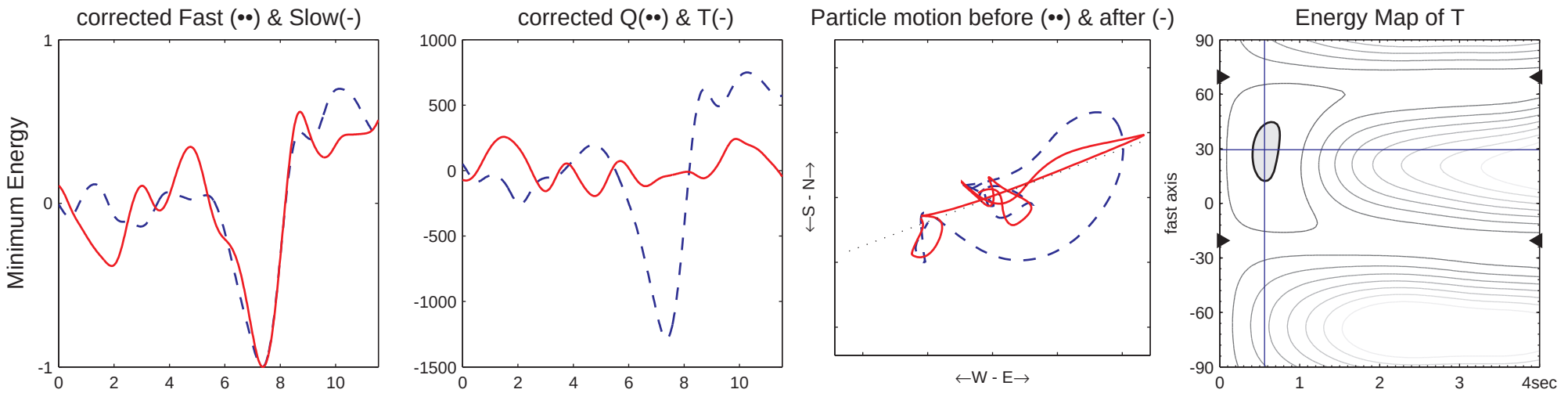
Rotation Correlation:	6<	14° <	23	0.4<0.5s<0.6
Minimum Energy:	13<	29° <	46	0.4<0.6s<0.8
Eigenvalue:	-3<	15° <	35	0.4<0.6s<0.7

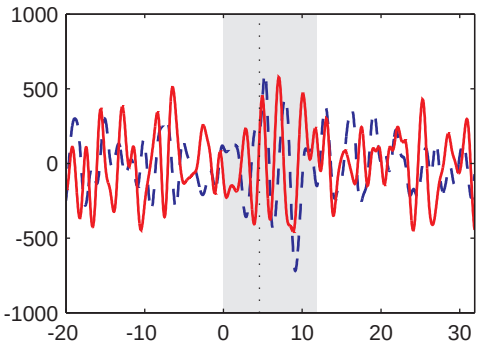
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.3”**



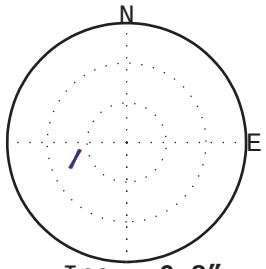


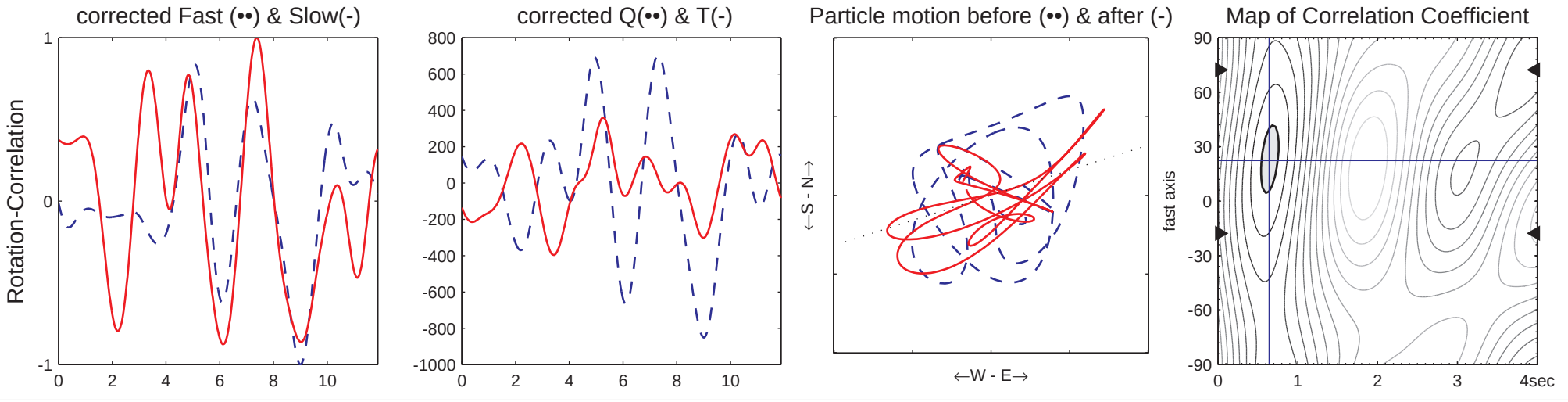


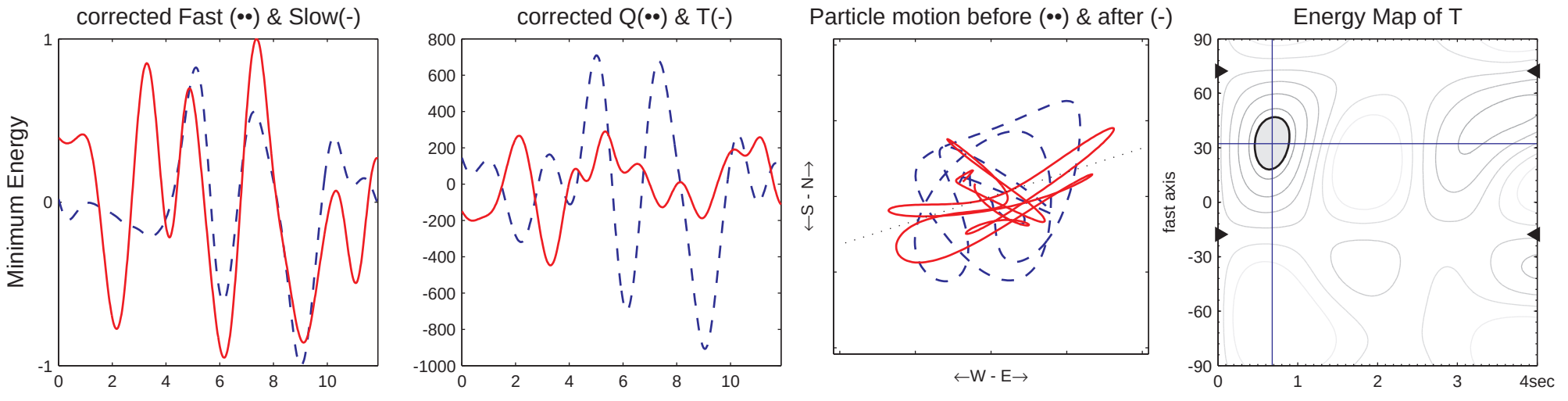
Event: **22-Sep-2006 (265) 02:32 -26.78N -63.08E 598km Mw=6.0**
Station: **KARA** Backazimuth: **252.3”** Distance: **111.92”**
init.Pol.: **68.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.6**

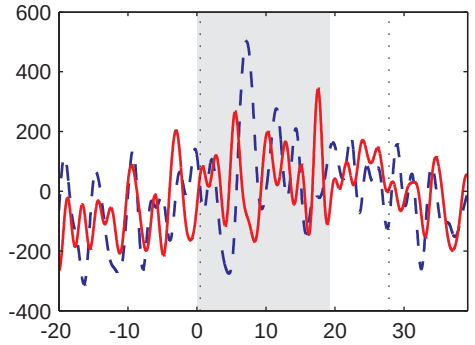
Rotation Correlation:	5<	22° <	42	0.6<0.6s<0.8
Minimum Energy:	17<	32° <	48	0.5<0.7s<0.9
Eigenvalue:	-13<	28° <	64	0.4<0.7s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





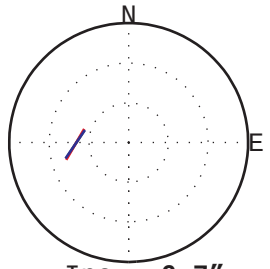


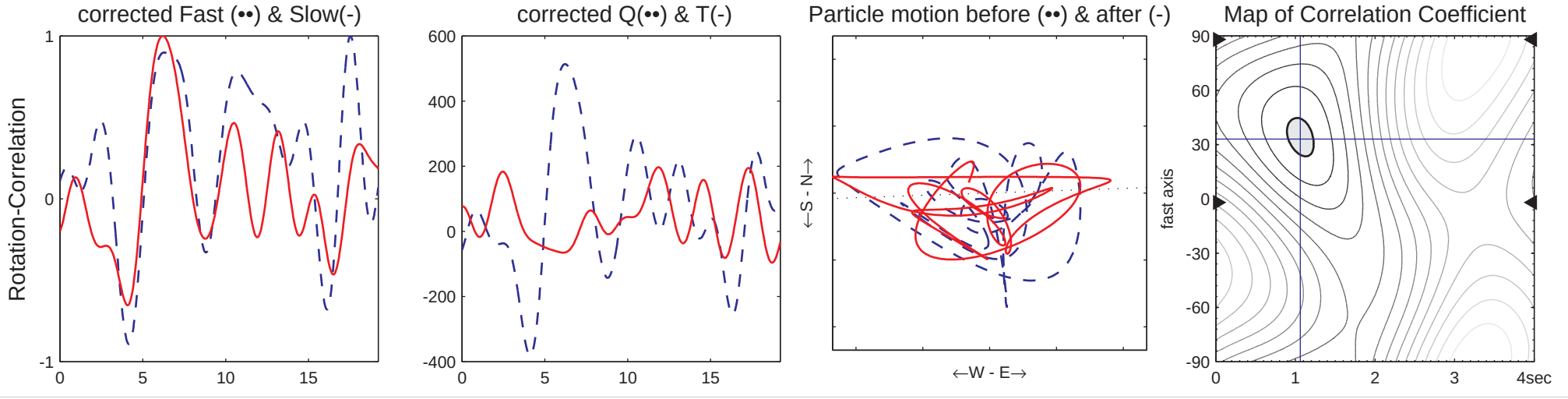


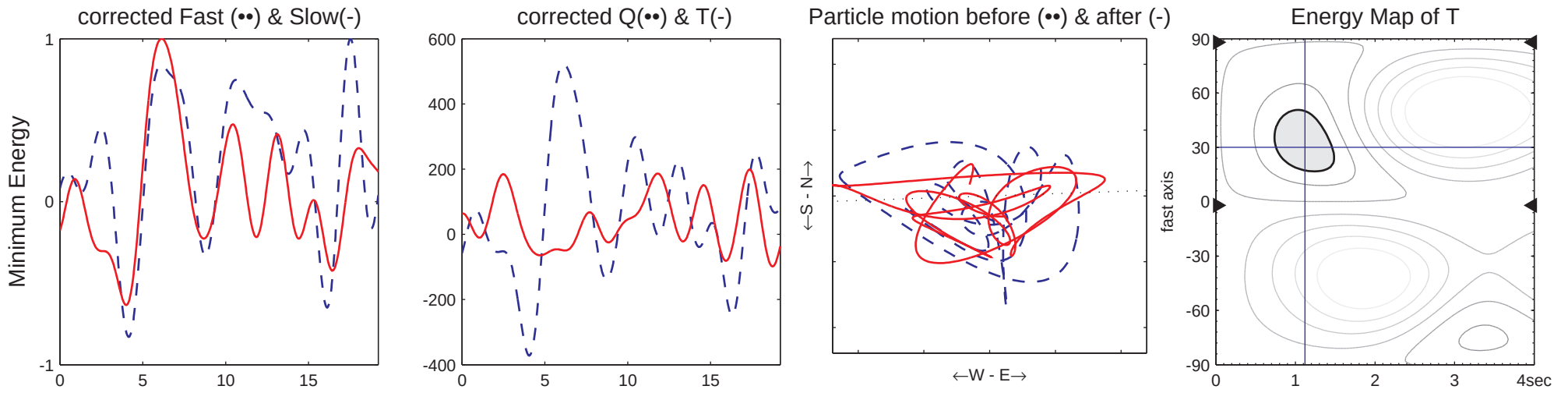
Event: **30-Sep-2006 (273) 16:26 -15.52N -73.05E 106km** Mw=**5.6**
Station: **KARA** Backazimuth: **268.0”** Distance: **113.60”**
init.Pol.: **91.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

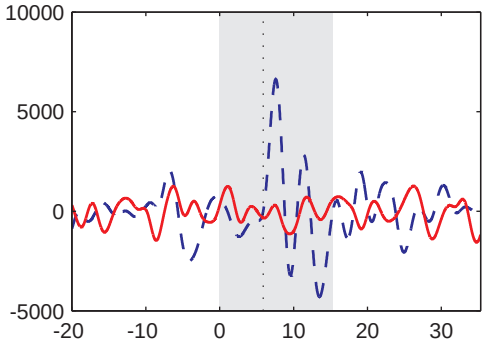
Rotation Correlation:	24<	33° <	45	0.9<1.1s<1.2
Minimum Energy:	17<	30° <	52	0.7<1.1s<1.5
Eigenvalue:	13<	34° <	62	0.7<1.1s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





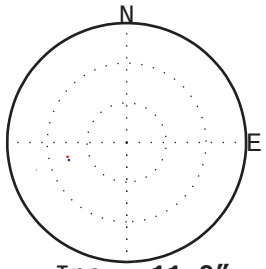




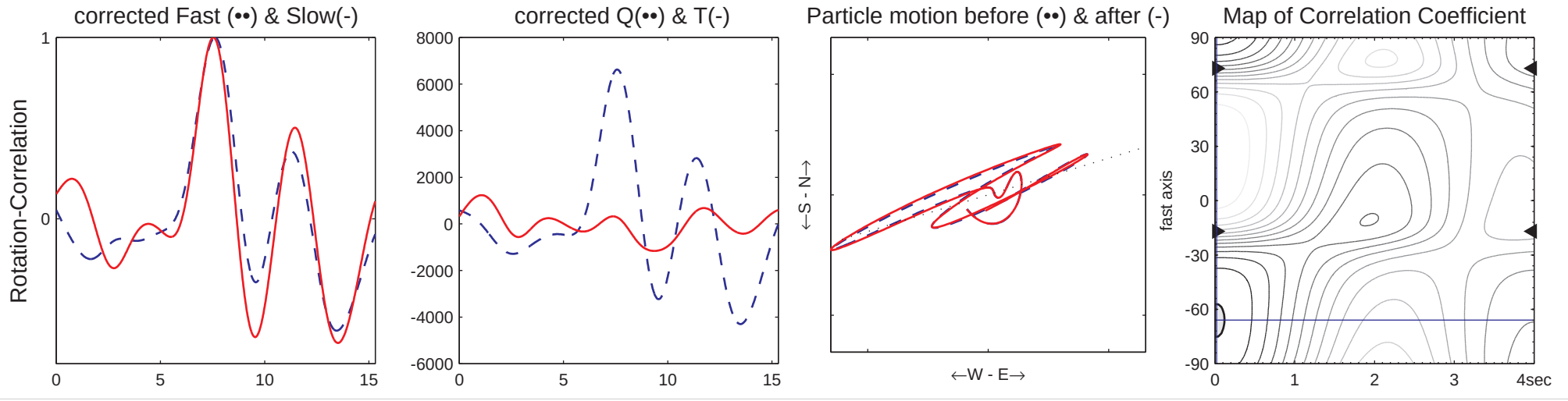
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km Mw=6.8**
Station: **KARA** Backazimuth: **253.0”** Distance: **111.64”**
init.Pol.: **83.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.9**

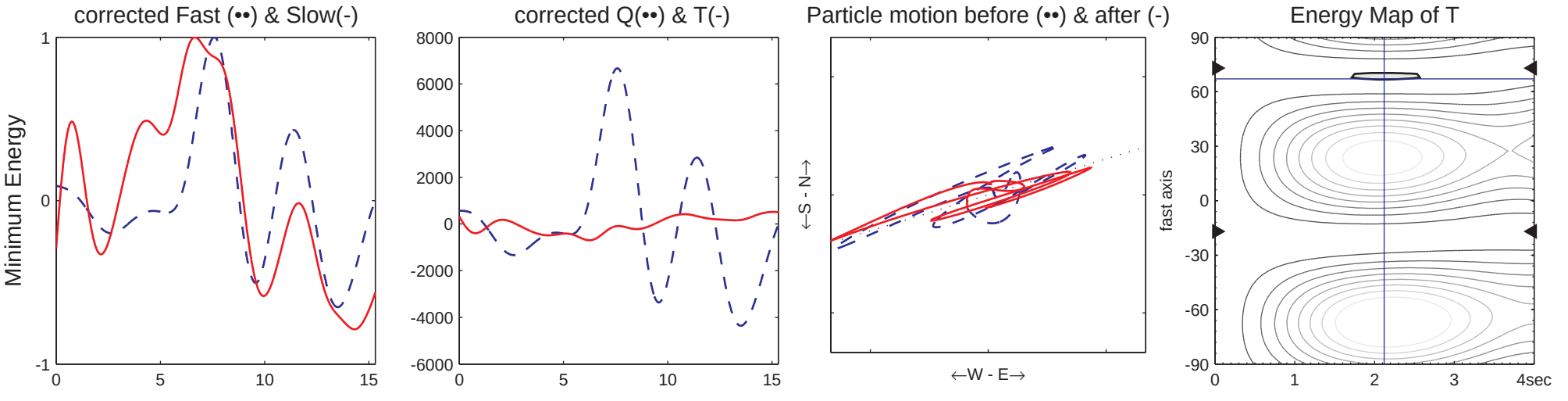
Rotation Correlation:	-76<	-66° <	-58	0.0<0.0s<0.1
Minimum Energy:	66<	67° <	70	1.7<2.1s<2.6
Eigenvalue:	72<	73° <	76	2.0<2.1s<2.3

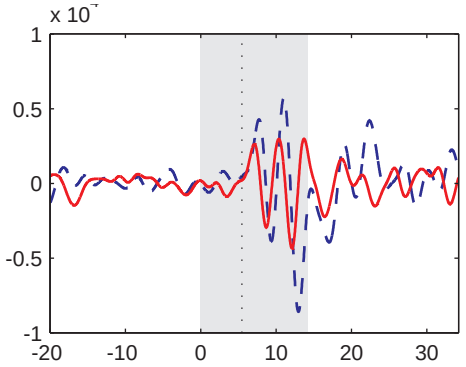
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **11.9”**



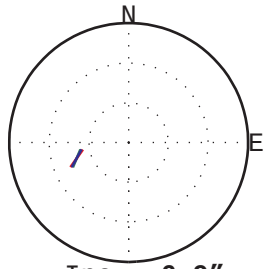


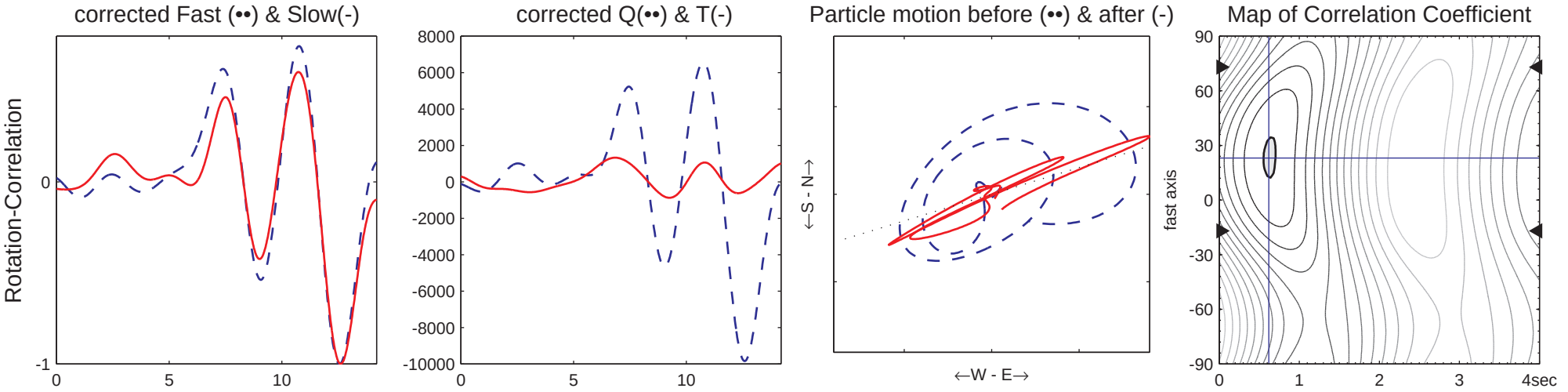


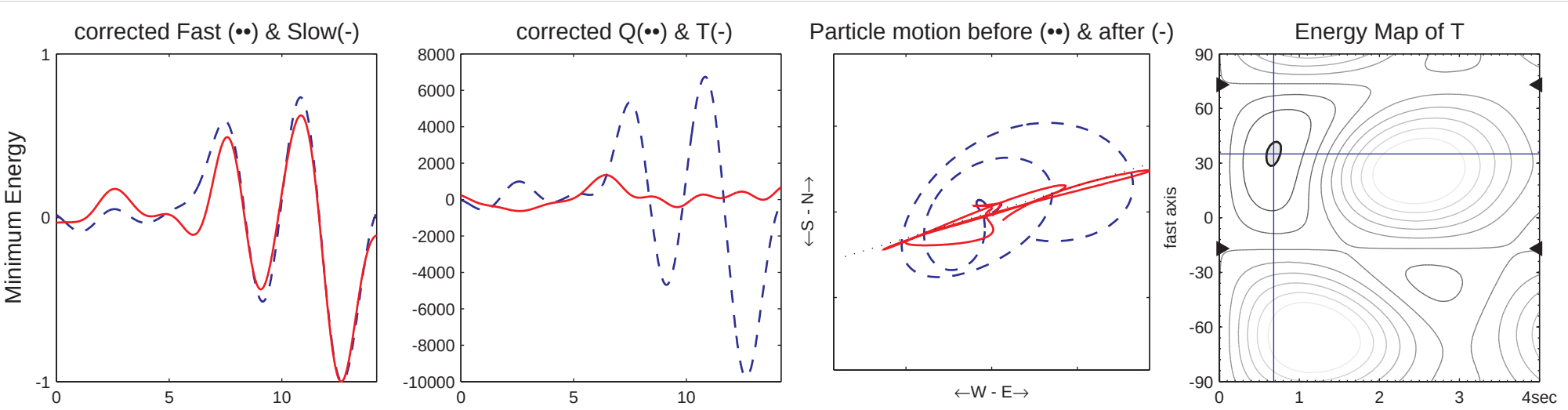
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km** Mw=**6.8**
Station: **KARA** Backazimuth: **253.0”** Distance: **111.64”**
init.Pol.: **69.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.5**

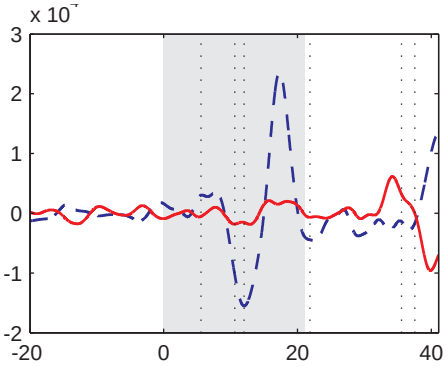
Rotation Correlation:	13<	23° <	35	0.6<0.6s<0.7
Minimum Energy:	29<	35° <	41	0.6<0.7s<0.8
Eigenvalue:	15<	29° <	43	0.6<0.6s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





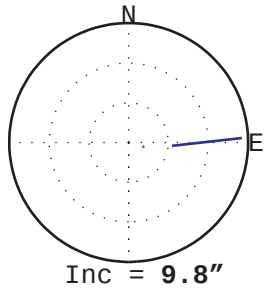


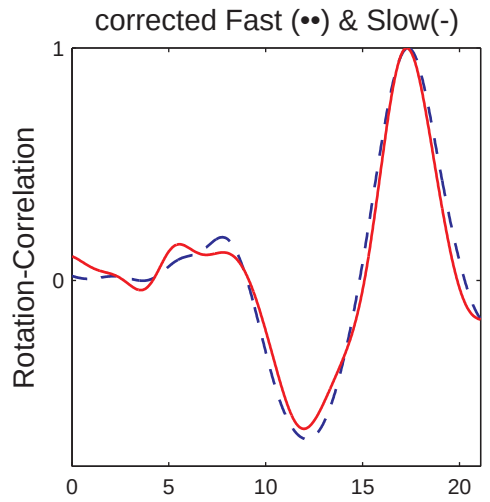


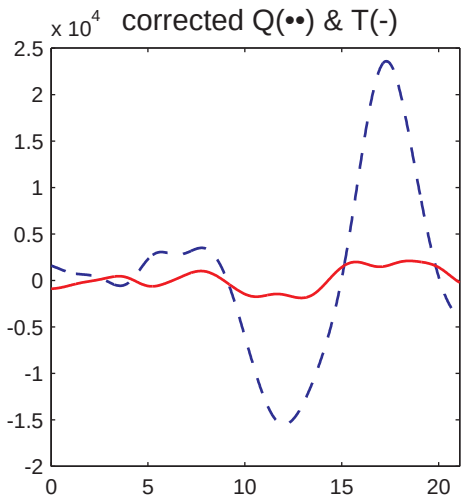
Event: **20-Feb-2007 (051) 08:04 -1.02N 126.99E 11km Mw=6.7**
Station: **KARA** Backazimuth: **89.6”** Distance: **92.16”**
init.Pol.: **263.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.4**

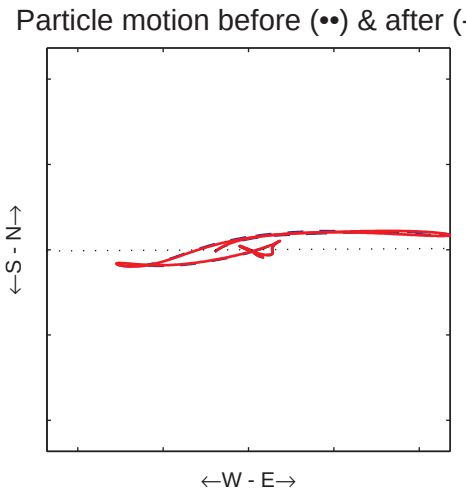
Rotation Correlation:	26<	39° <	53	0.0<0.0s<0.2
Minimum Energy:	86<	86° <	88	3.4<4.0s<4.0
Eigenvalue:	-Inf<	84° <	Inf	0.0<2.2s<Inf

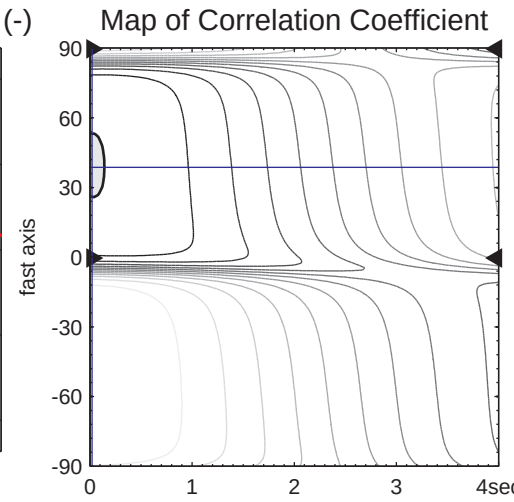
Quality: **good** IsNull: **Yes** Phase: **SKS**

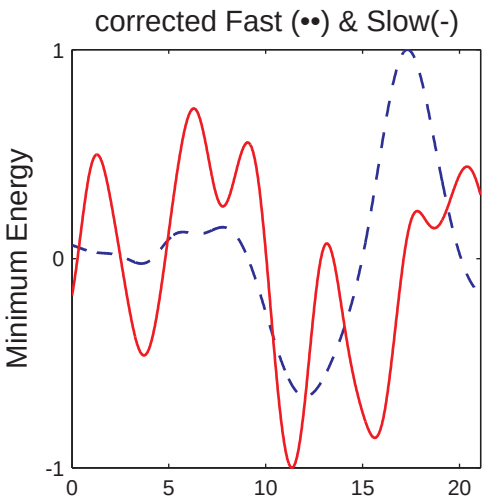


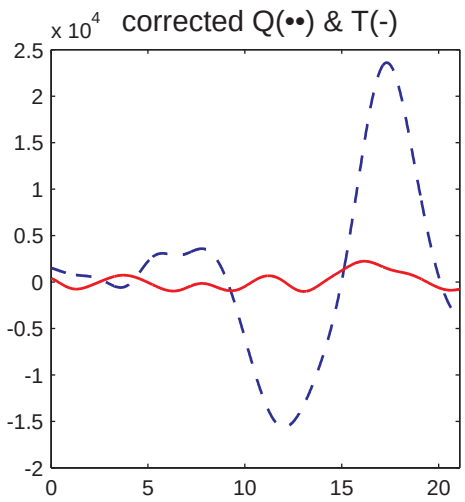


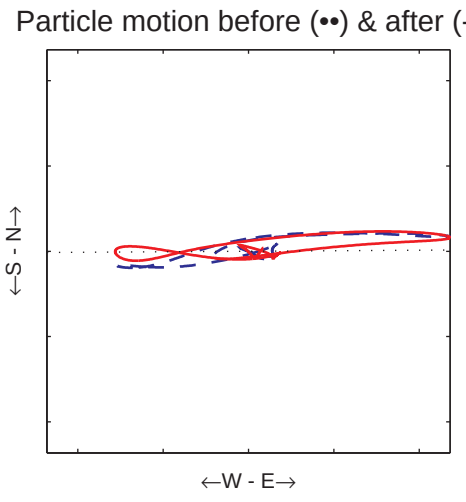


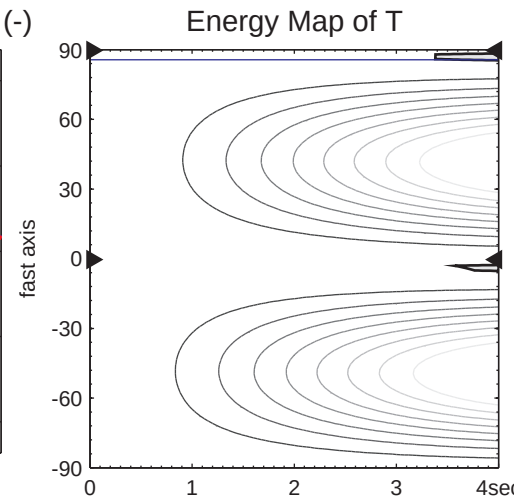


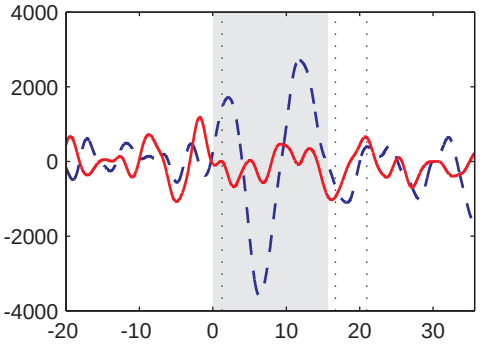








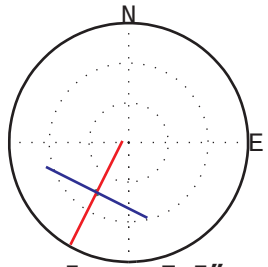


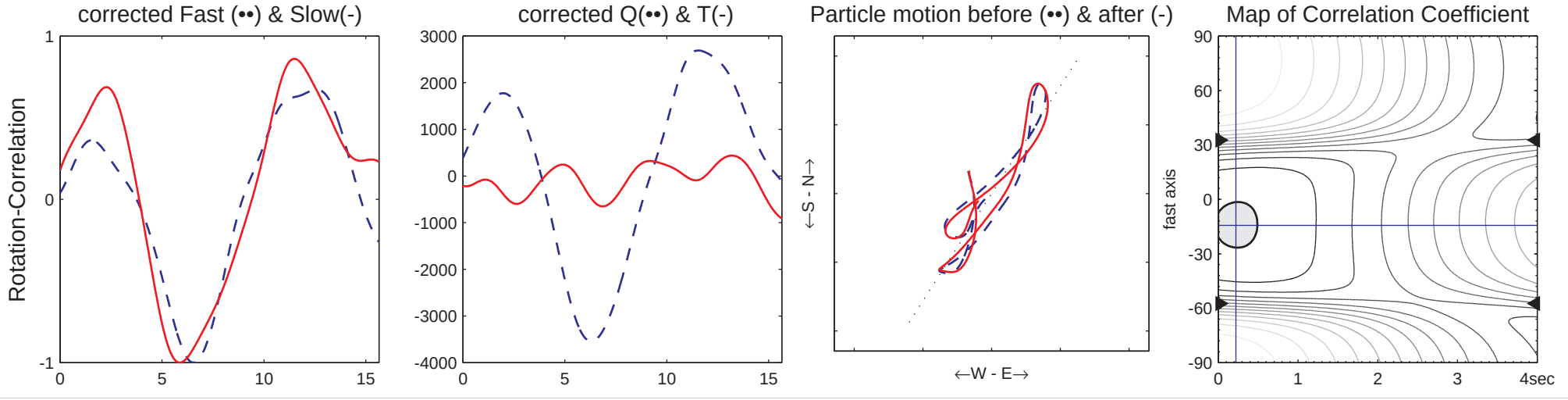


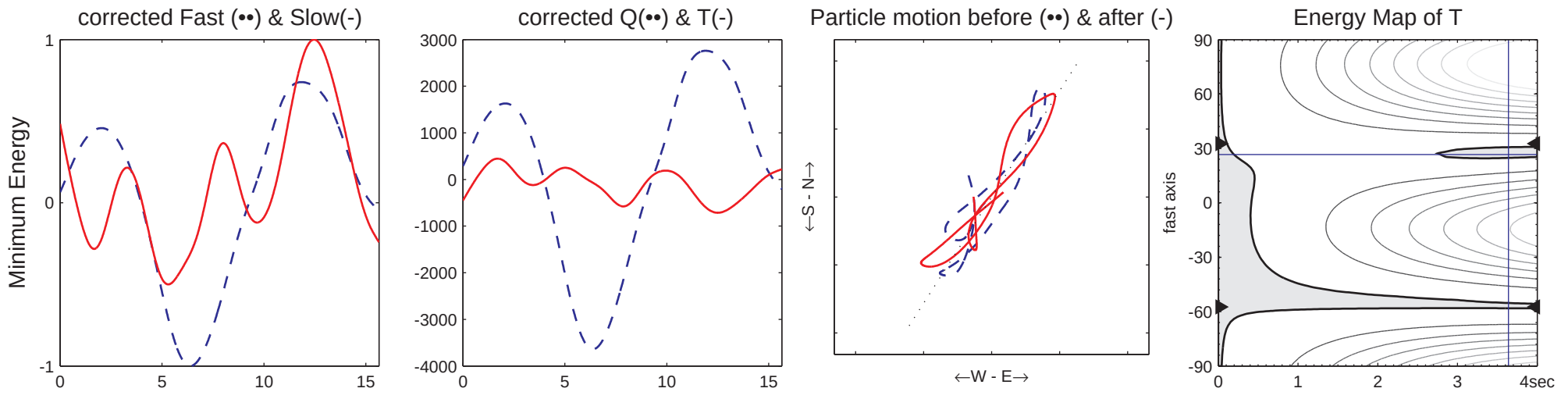
Event: **28-Feb-2007 (059) 23:13 -55.17N -29.18E 35km Mw=6.2**
Station: **KARA** Backazimuth: **212.6”** Distance: **107.42”**
init.Pol.: **19.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

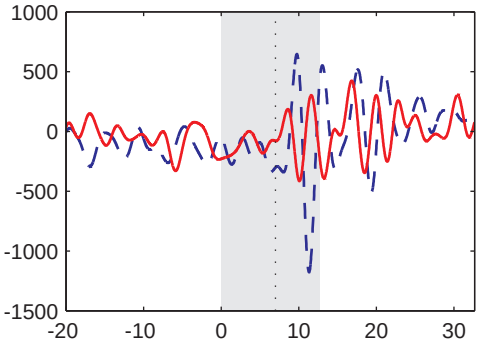
Rotation Correlation:	-28<	-14° <	-3	0.0<0.2s<0.5
Minimum Energy:	-56<	27° <	-60	0.0<3.6s<4.0
Eigenvalue:	-72<	-63° <	-60	2.2<3.6s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





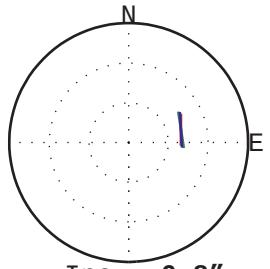




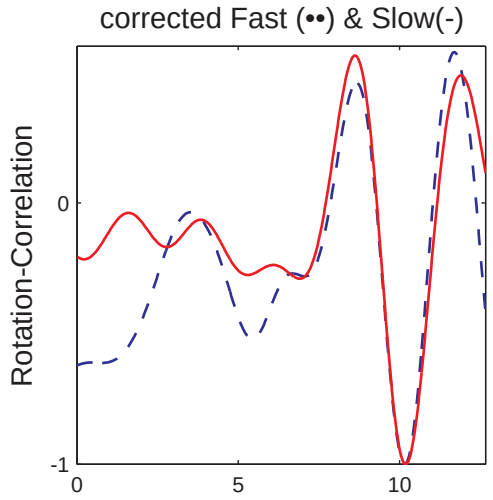
Event: **21-Apr-2007 (111) 07:12 -3.55N 151.27E 407km Mw=6.1**
Station: **KARA** Backazimuth: **76.3”** Distance: **112.85”**
init.Pol.: **251.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.5**

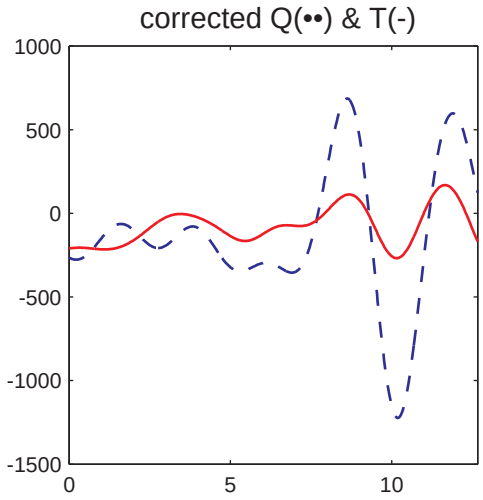
Rotation Correlation:	-16<	-9° <	-5	1.0<1.2s<1.3
Minimum Energy:	-5<	0° <	7	0.7<1.0s<1.4
Eigenvalue:	-15<	-4° <	9	0.6<1.1s<1.4

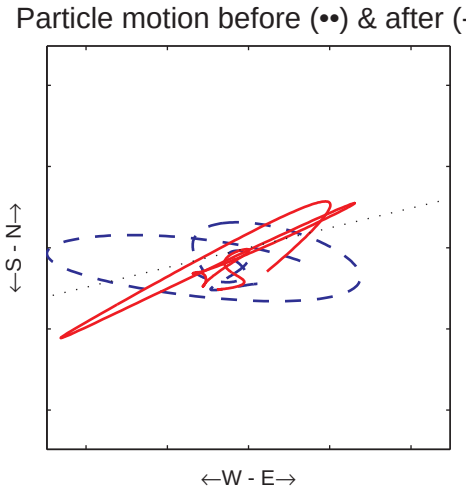
Quality: **fair** IsNull: **No** Phase: **SKS**

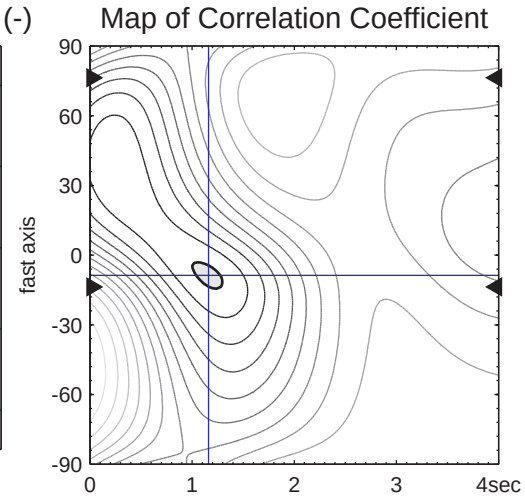


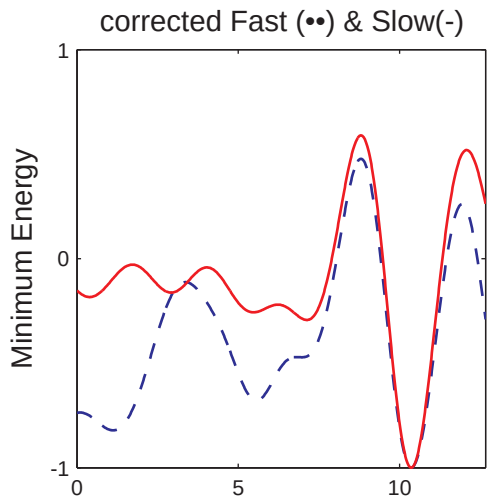
Inc = **6.8”**

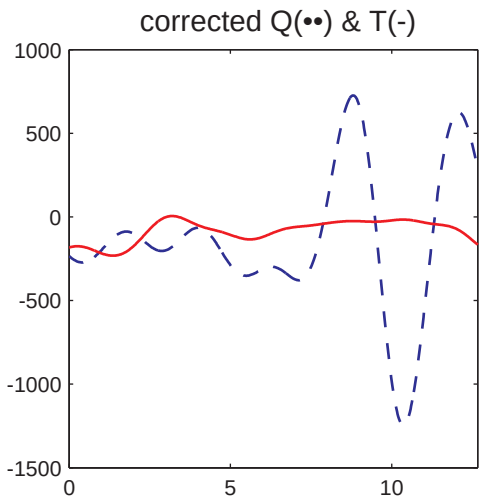


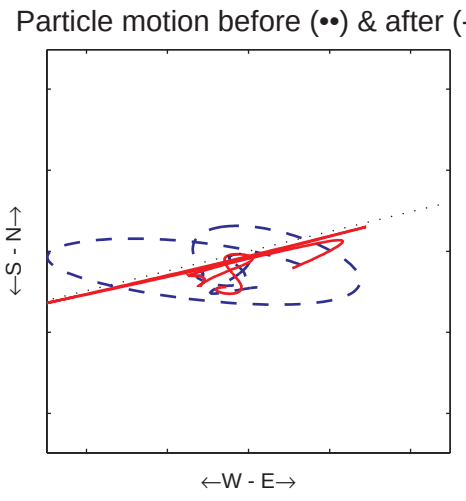


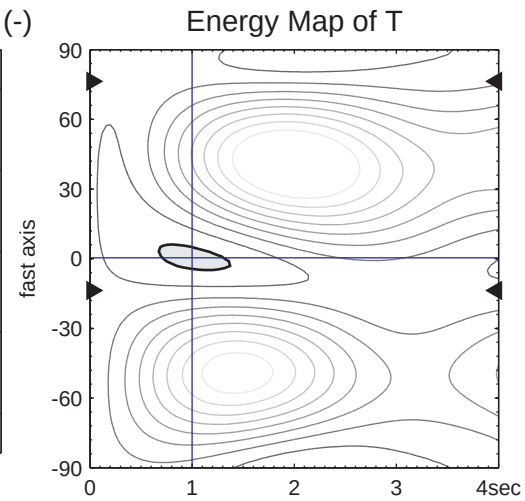


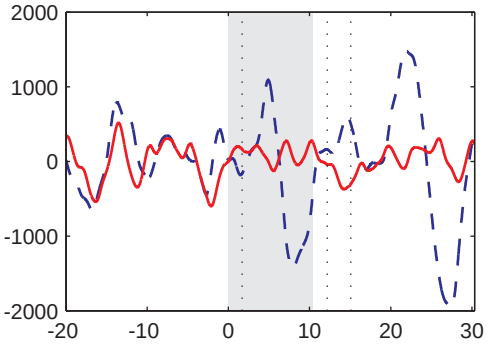








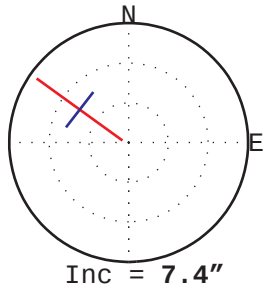


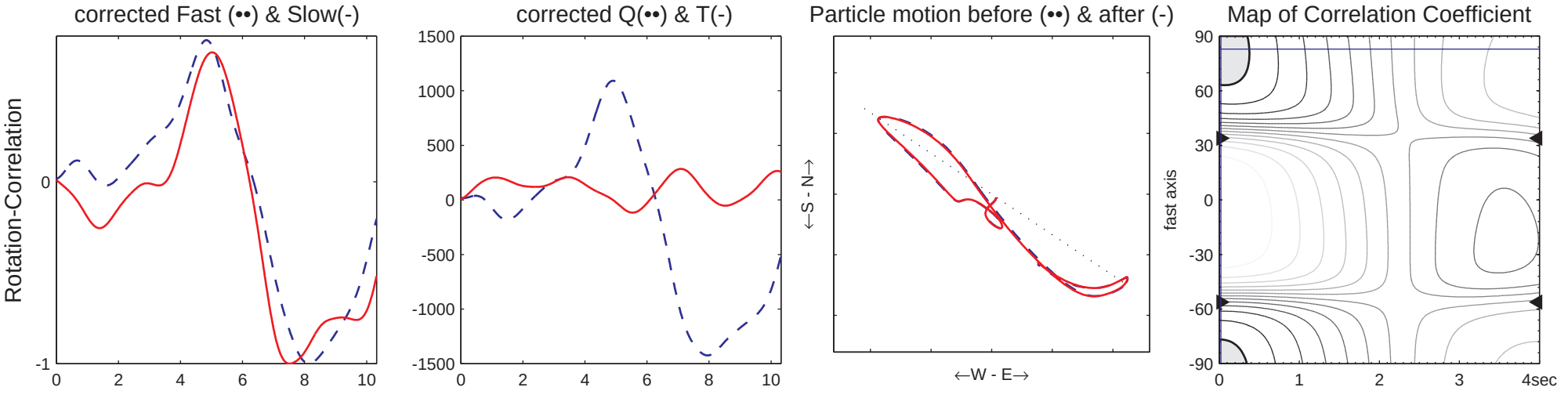


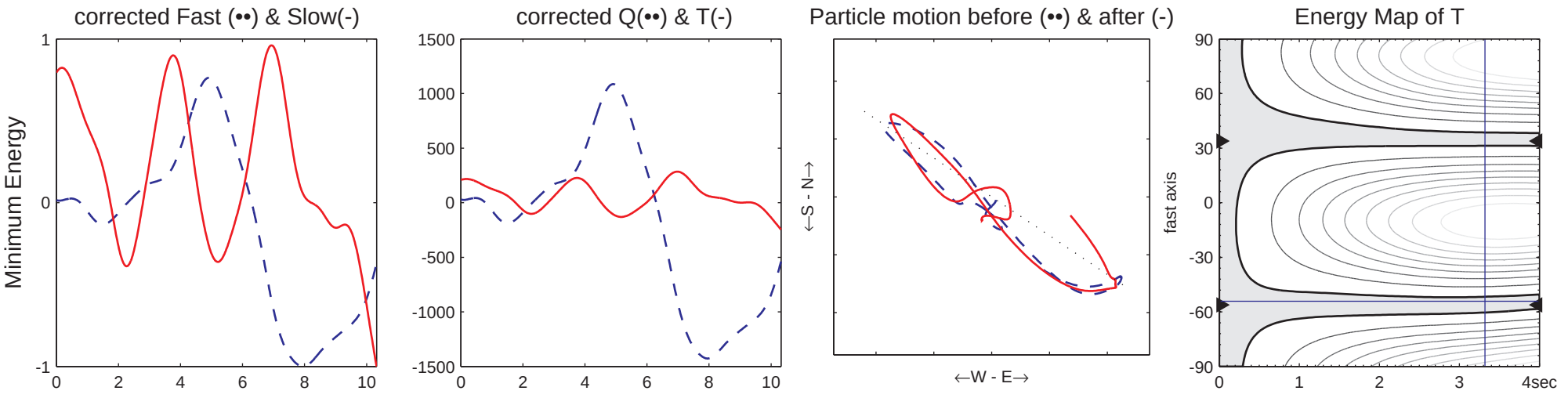
Event: **13-Jun-2007 (164) 19:29 13.55N -90.62E 23km Mw=6.7**
Station: **KARA** Backazimuth: **303.9”** Distance: **108.02”**
init.Pol.: **123.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.8**

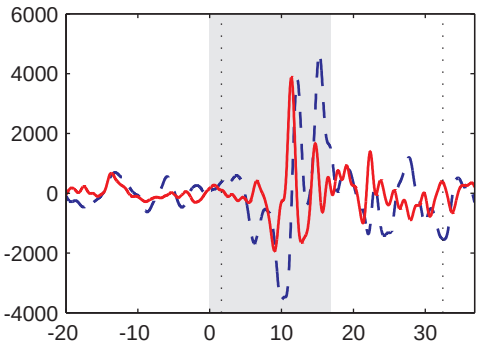
Rotation Correlation:	63<	83° < -78	0.0<0.0s<0.4
Minimum Energy:	-Inf<	-54° < Inf	0.0<3.3s<Inf
Eigenvalue:	-Inf<	38° < Inf	0.0<1.4s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





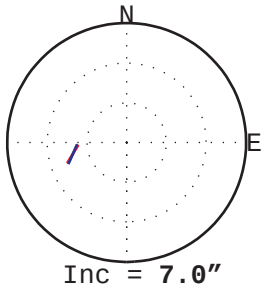


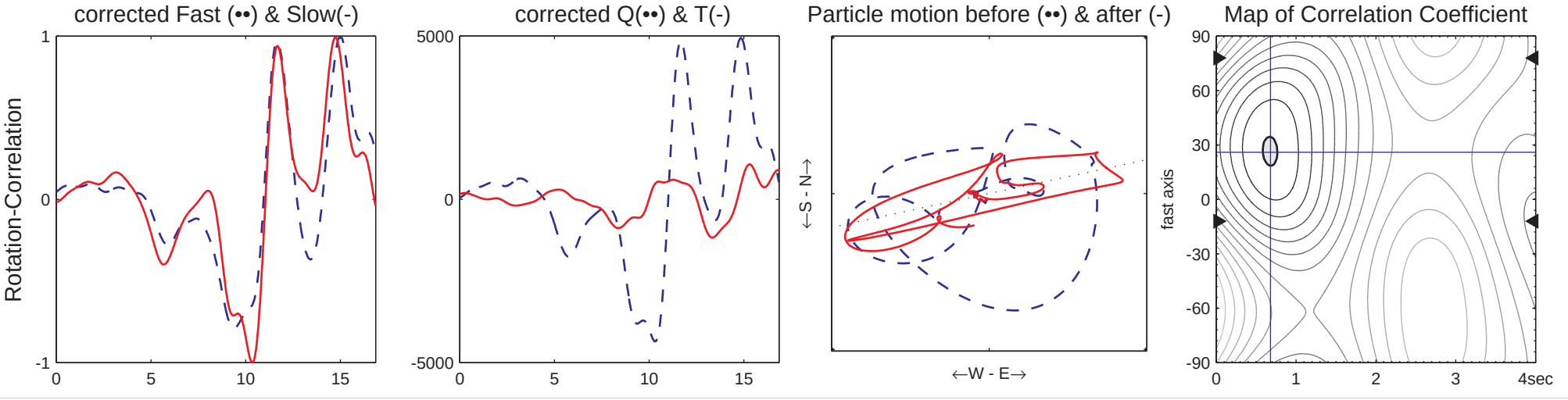


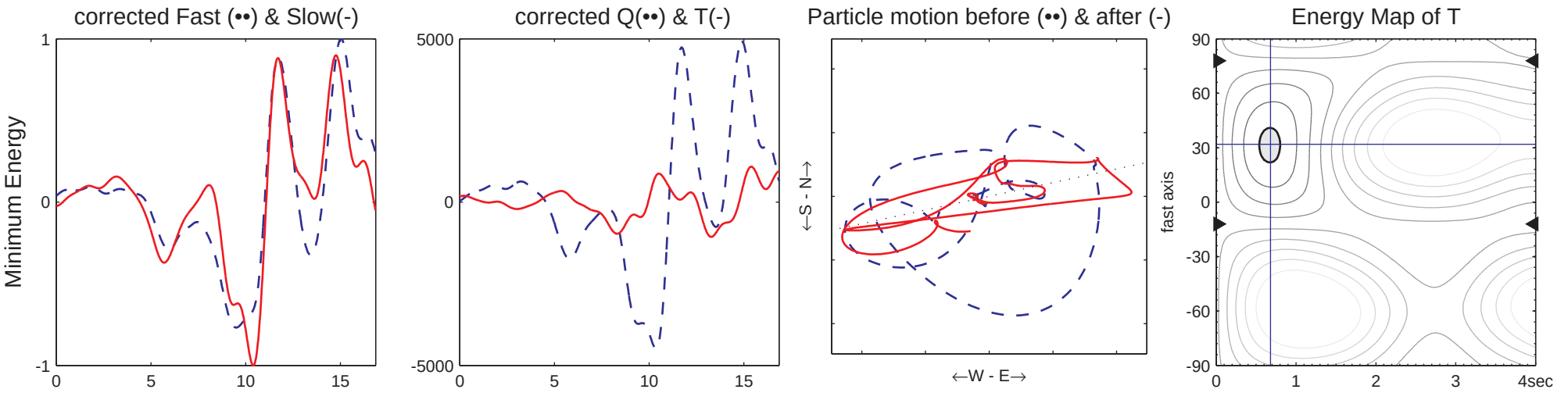
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **KARA** Backazimuth: **257.9”** Distance: **111.59”**
init.Pol.: **71.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.0**

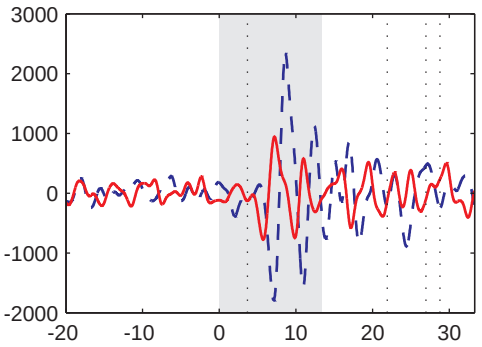
Rotation Correlation:	19<	26° <	35	0.6<0.7s<0.8
Minimum Energy:	21<	32° <	41	0.5<0.7s<0.8
Eigenvalue:	11<	24° <	37	0.6<0.7s<0.8

Quality: **good** IsNull: **No** Phase: **SKS**





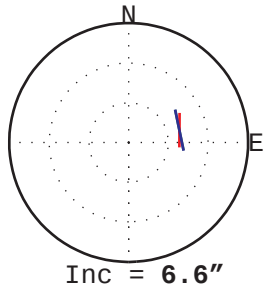


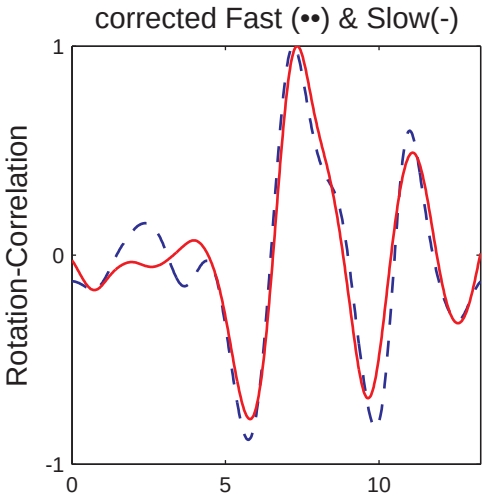


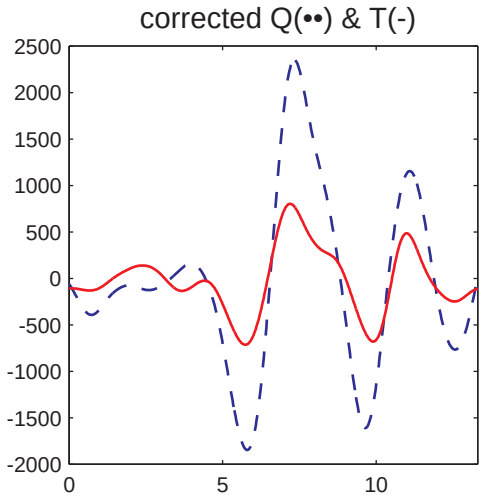
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **KARA** Backazimuth: **76.3”** Distance: **114.87”**
init.Pol.: **236.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.8**

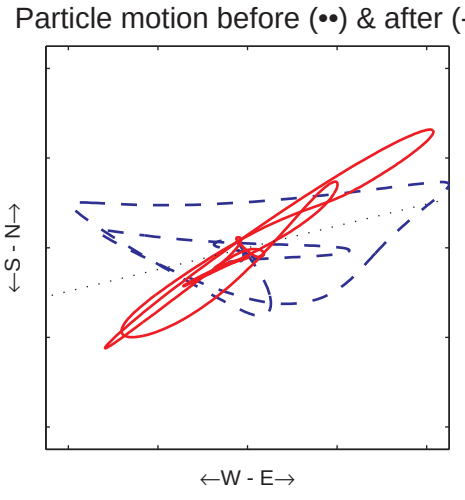
Rotation Correlation:	-19<	-12° <	-8	1.2<1.3s<1.4
Minimum Energy:	-3<	0° <	5	0.8<1.1s<1.3
Eigenvalue:	-19<	-12° <	-9	1.2<1.3s<1.4

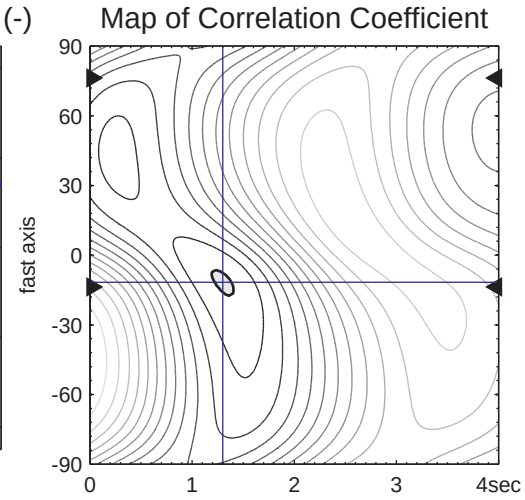
Quality: **fair** IsNull: **No** Phase: **SKS**

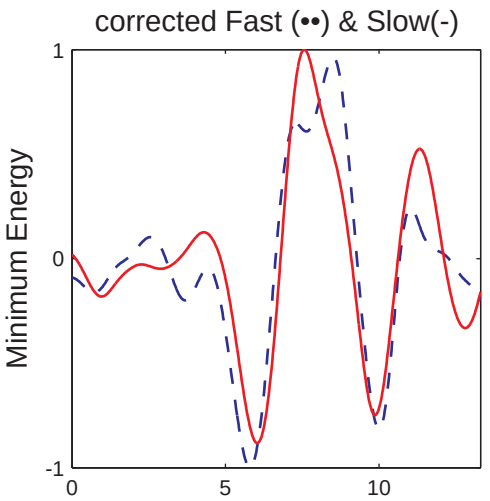


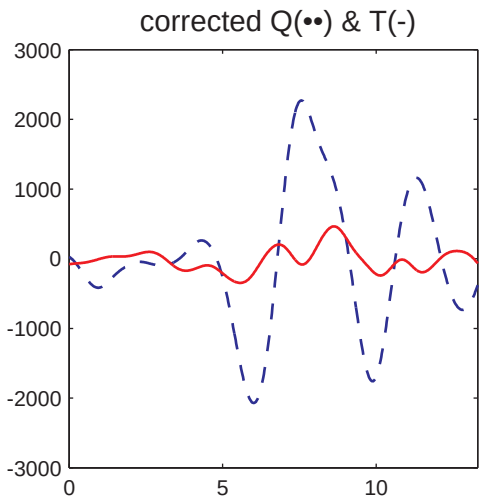


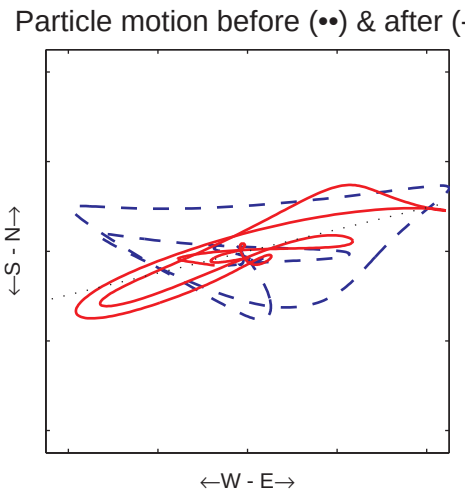


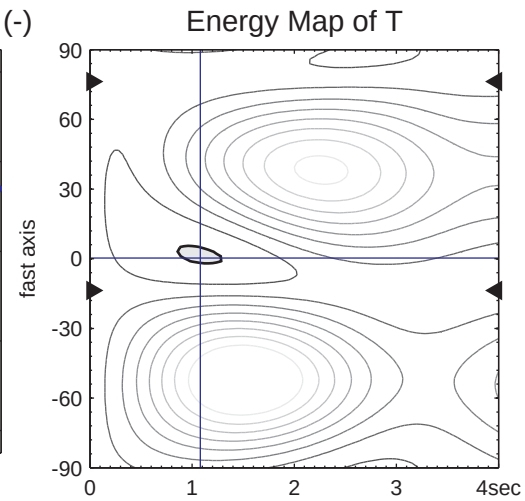


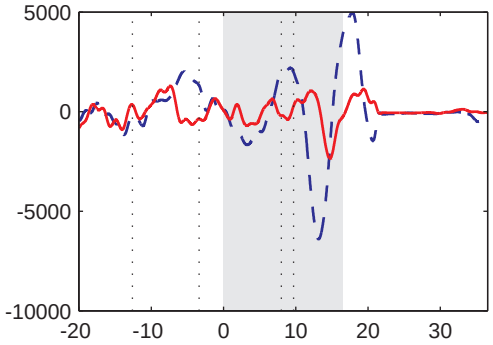








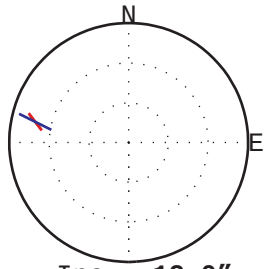




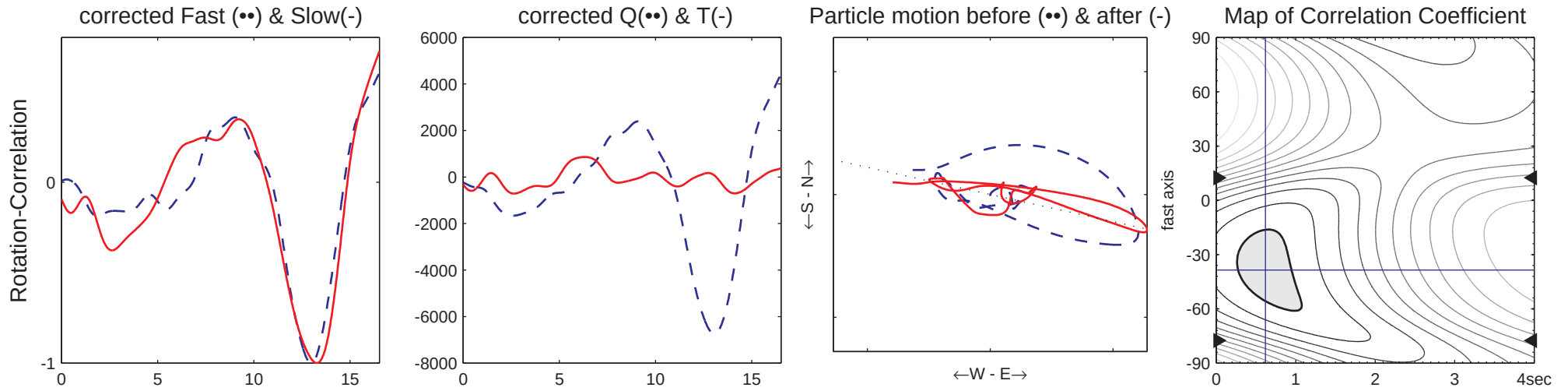
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **KARA** Backazimuth: **282.4”** Distance: **109.50”**
init.Pol.: **94.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.3**

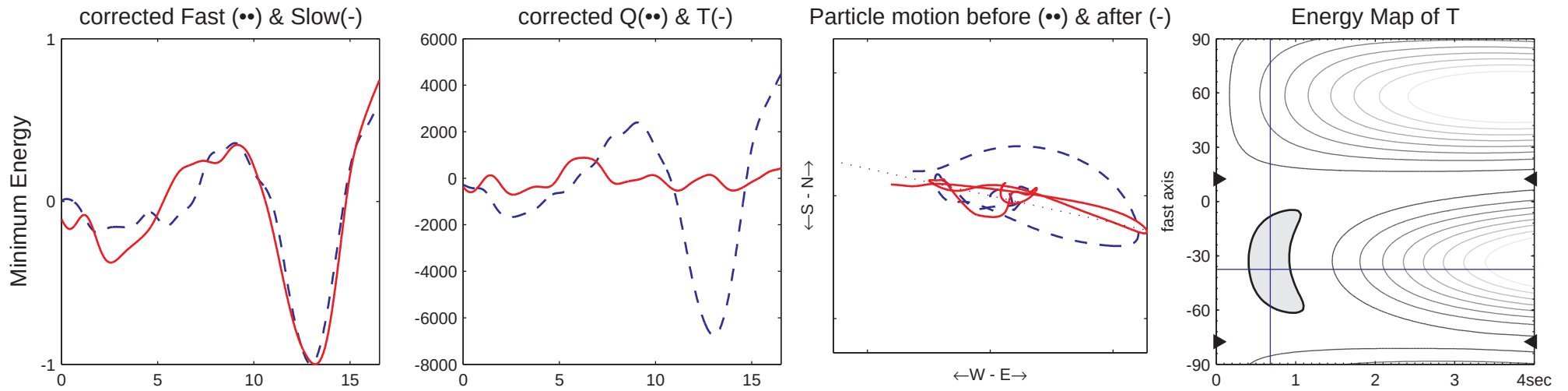
Rotation Correlation:	-62<	-39° <	-18	0.3<0.6s<1.1
Minimum Energy:	-64<	-38° <	-7	0.4<0.7s<1.1
Eigenvalue:	-80<	-64° <	-21	0.5<1.1s<1.9

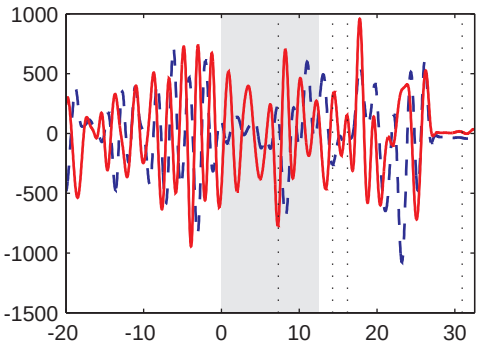
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



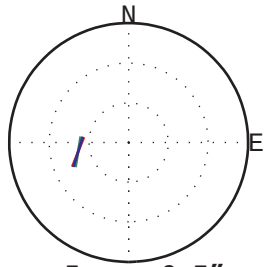




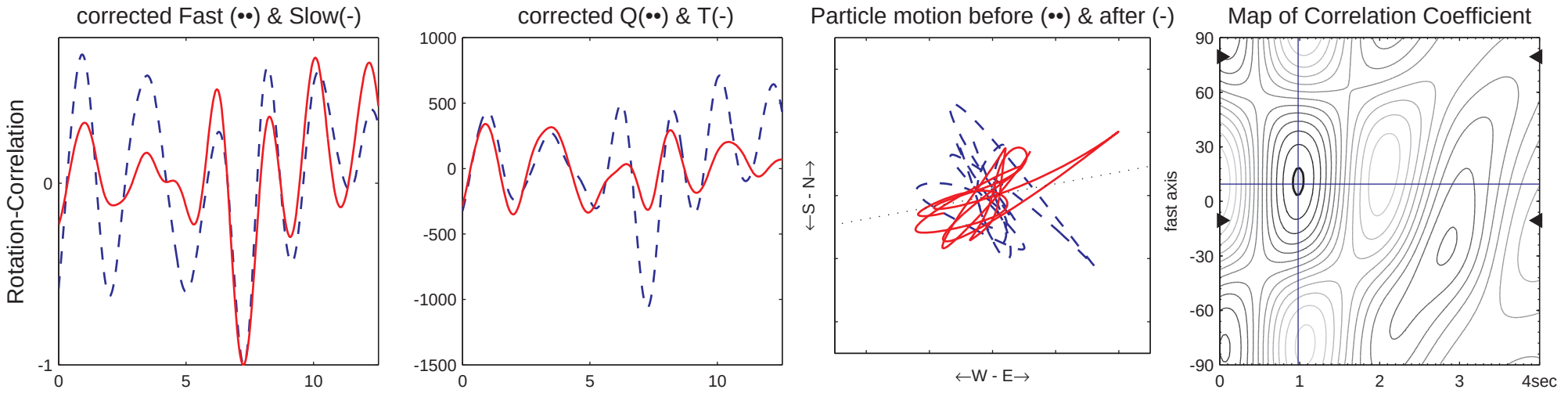
Event: **13-Dec-2007 (347) 05:20 -23.16N -70.48E 15km Mw=6.0**
Station: **KARA** Backazimuth: **259.5”** Distance: **115.73”**
init.Pol.: **71.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

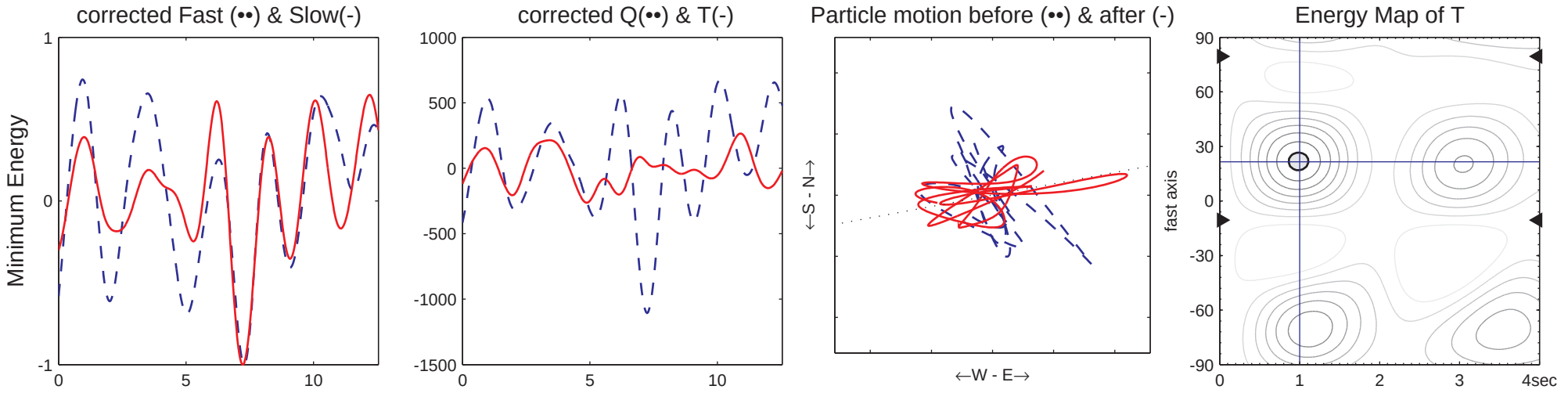
Rotation Correlation:	4<	10° <	19	0.9<1.0s<1.0
Minimum Energy:	17<	22° <	27	0.9<1.0s<1.1
Eigenvalue:	1<	18° <	31	0.9<1.0s<1.1

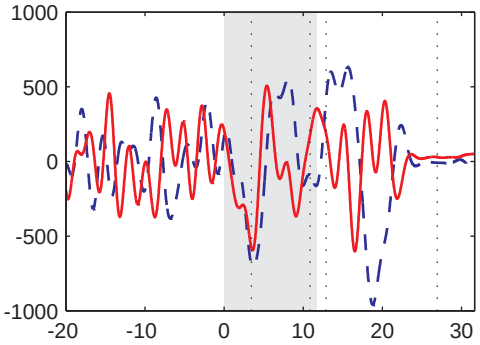
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.5”**



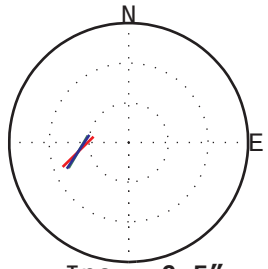


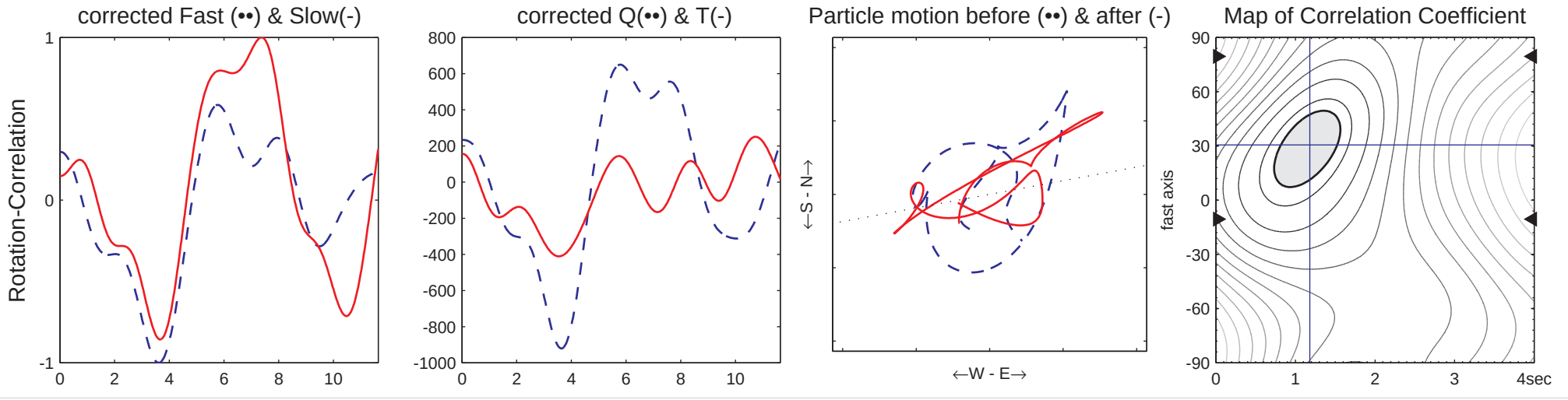


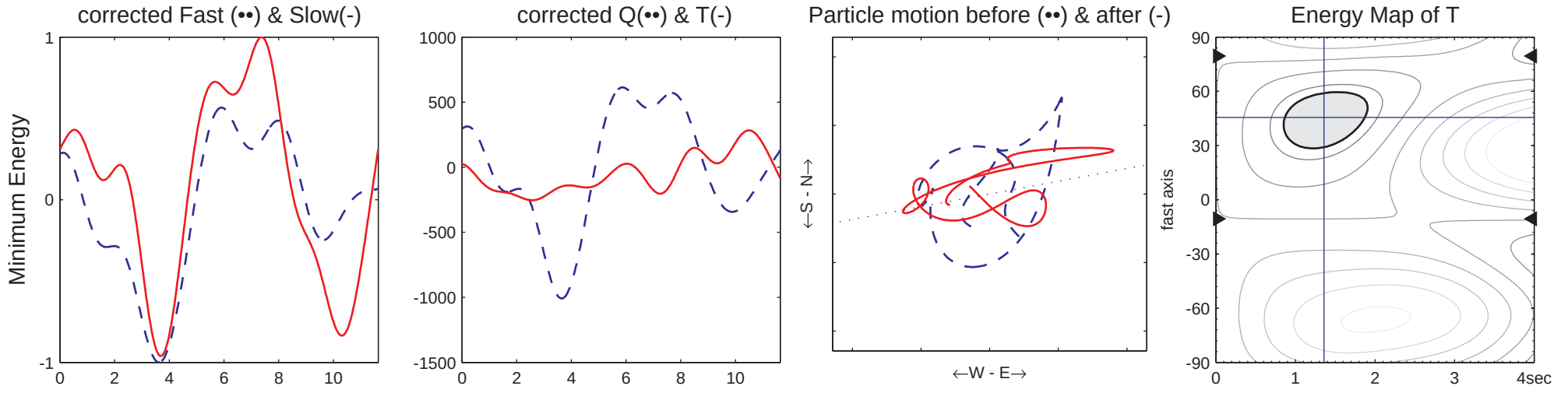
Event: **13-Dec-2007 (347) 07:23 -23.20N -70.55E 16km Mw=6.2**
Station: **KARA** Backazimuth: **259.5”** Distance: **115.80”**
init.Pol.: **66.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

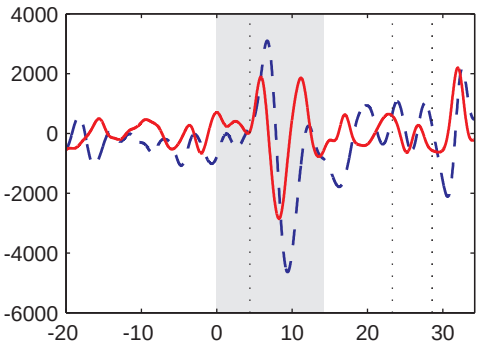
Rotation Correlation:	8<	31° <	50	0.7<1.2s<1.6
Minimum Energy:	29<	46° <	60	0.8<1.4s<1.9
Eigenvalue:	-1<	34° <	56	0.7<1.3s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





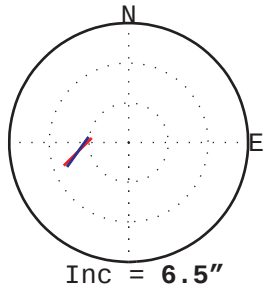


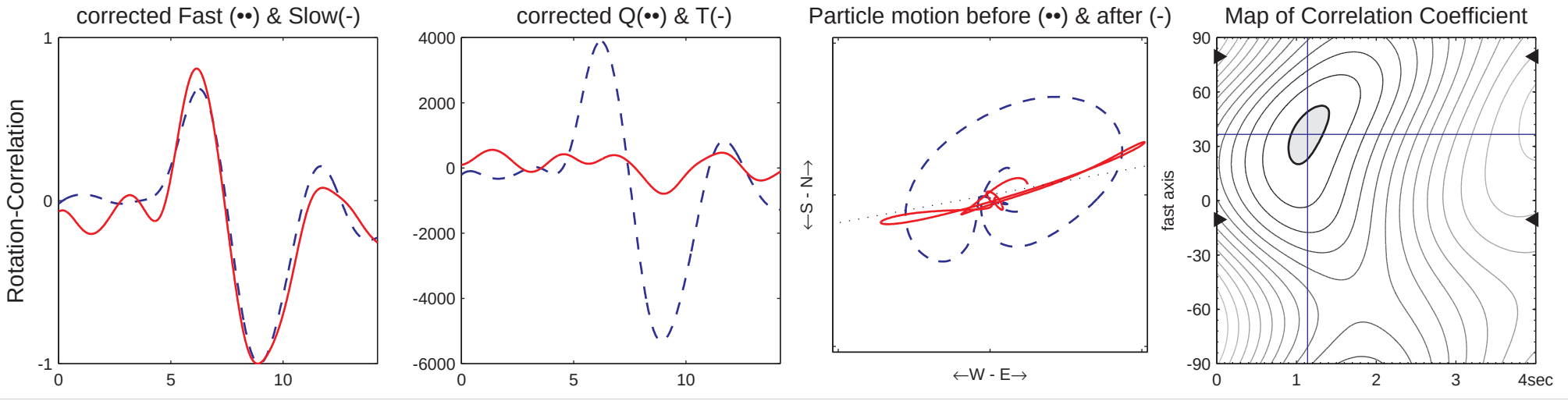


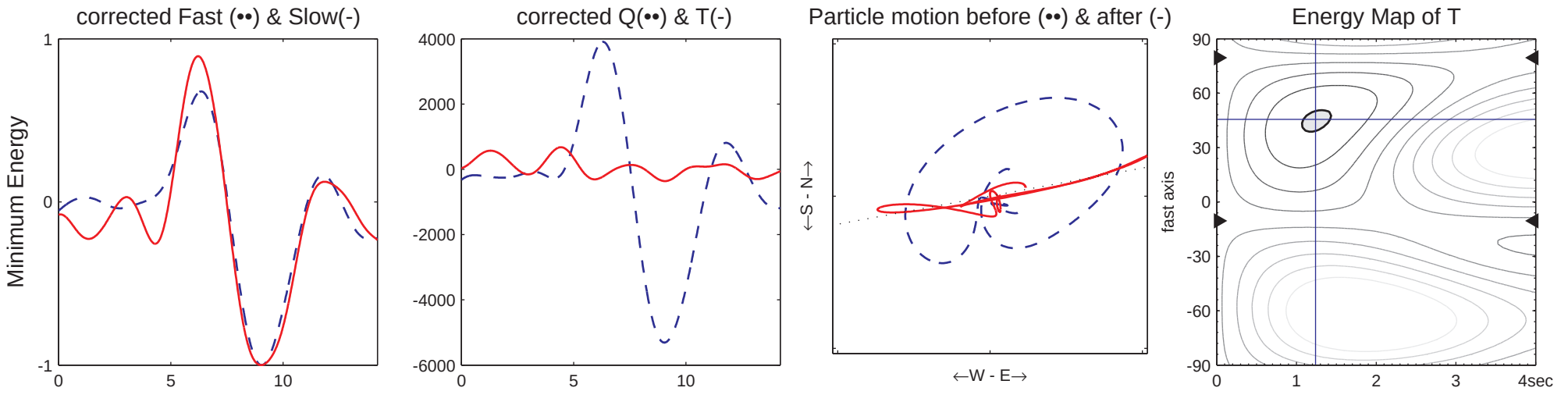
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **KARA** Backazimuth: **259.5”** Distance: **115.39”**
init.Pol.: **72.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.8**

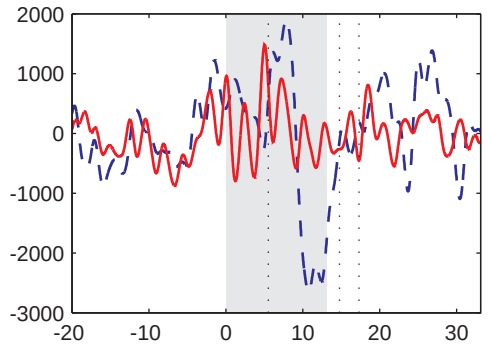
Rotation Correlation:	21<	37° <	53	0.9<1.1s<1.4
Minimum Energy:	39<	46° <	52	1.1<1.2s<1.4
Eigenvalue:	21<	36° <	46	1.0<1.2s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





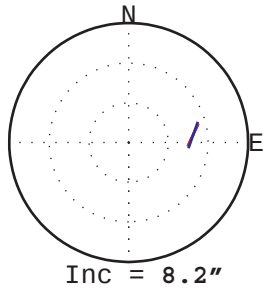


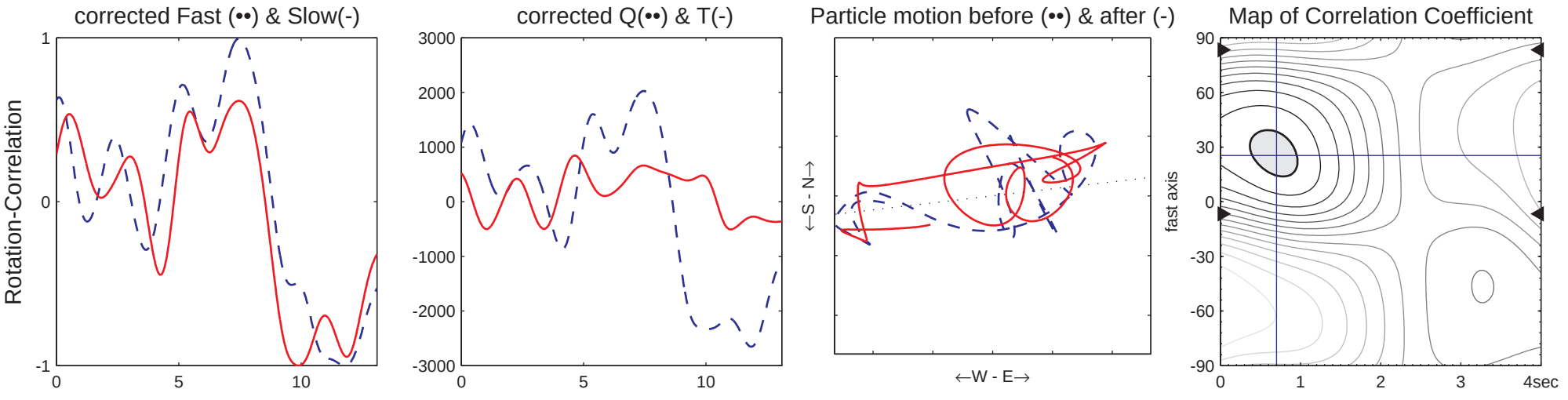


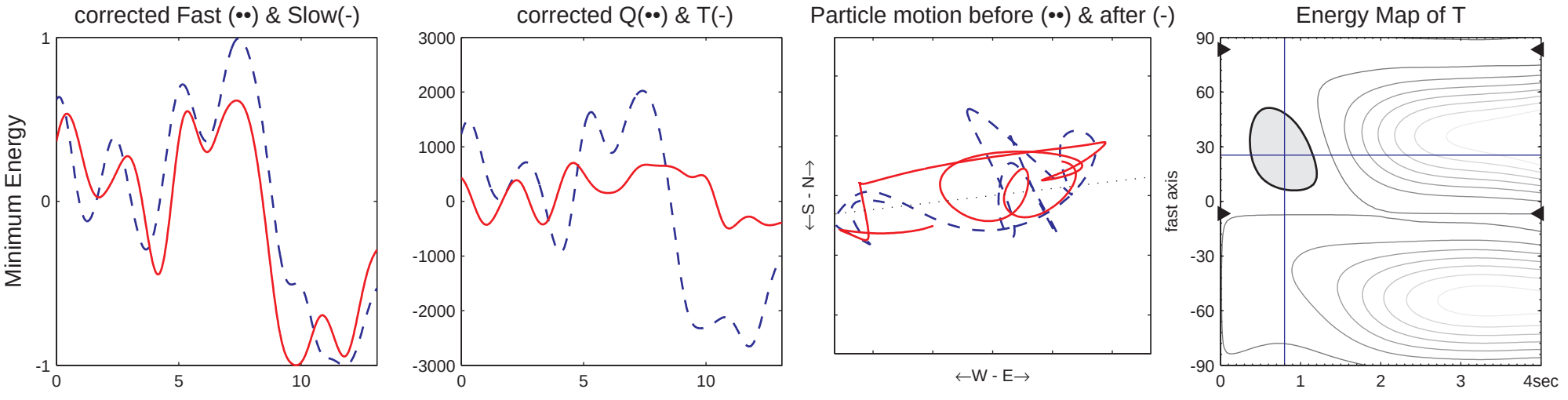
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **KARA** Backazimuth: **83.3”** Distance: **102.59”**
init.Pol.: **255.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

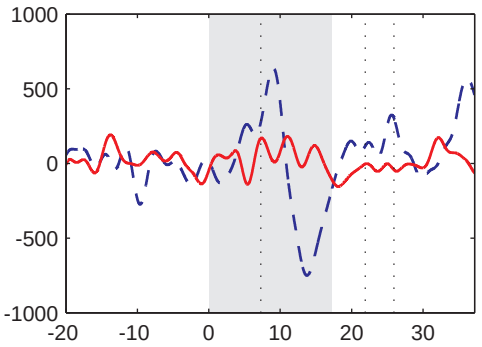
Rotation Correlation:	14<	25° <	40	0.4<0.7s<1.0
Minimum Energy:	5<	25° <	52	0.4<0.8s<1.2
Eigenvalue:	3<	19° <	37	0.5<0.9s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





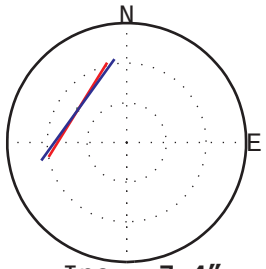




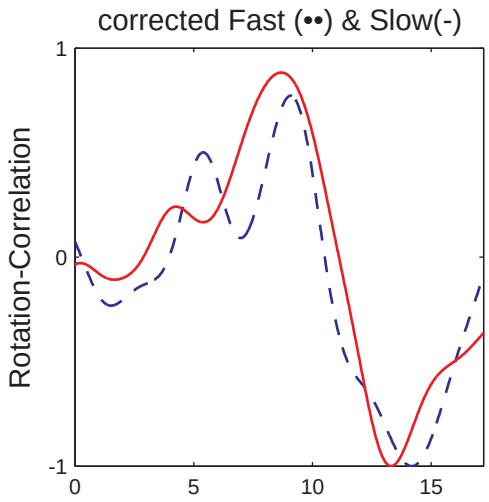
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **KARA** Backazimuth: **303.8”** Distance: **108.00”**
init.Pol.: **132.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

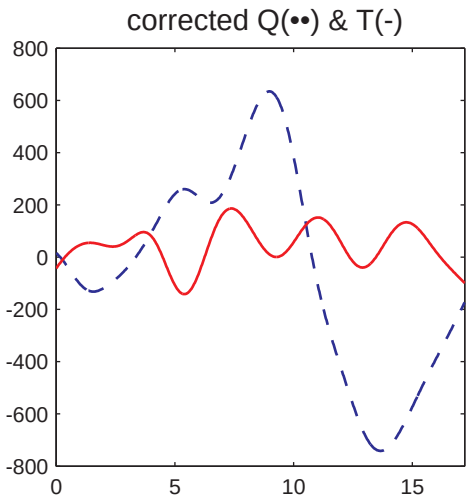
Rotation Correlation:	-21<	-10° < 1	0.0<0.1s<0.5
Minimum Energy:	-Inf<	32° < Inf	0.0<3.5s<Inf
Eigenvalue:	29<	36° < 39	2.5<3.9s<4.0

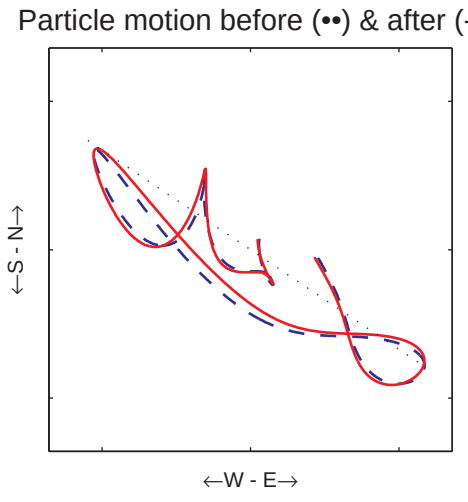
Quality: **good** IsNull: **Yes** Phase: **SKS**

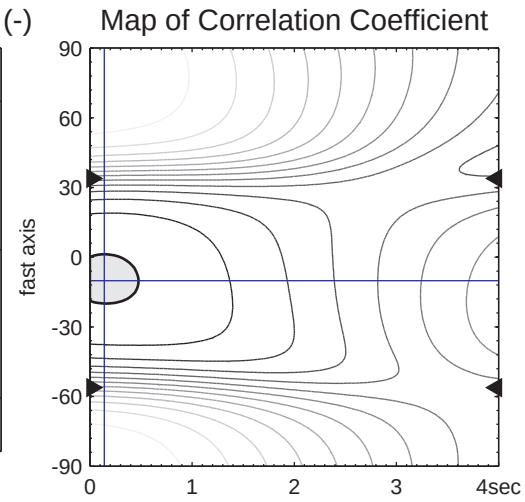


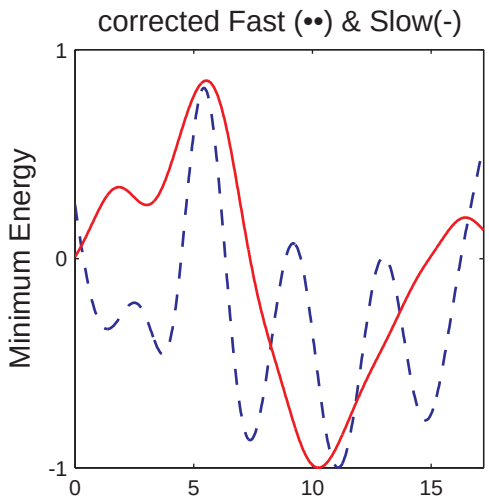
Inc = **7.4”**

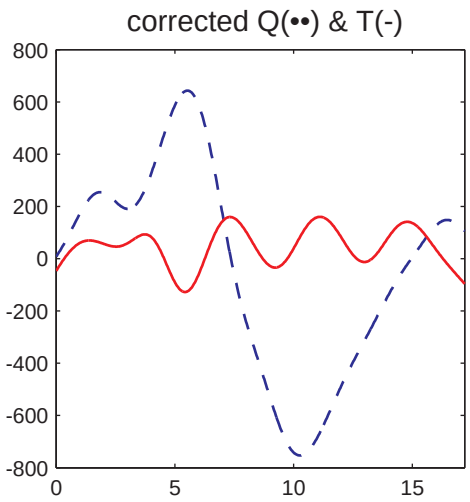


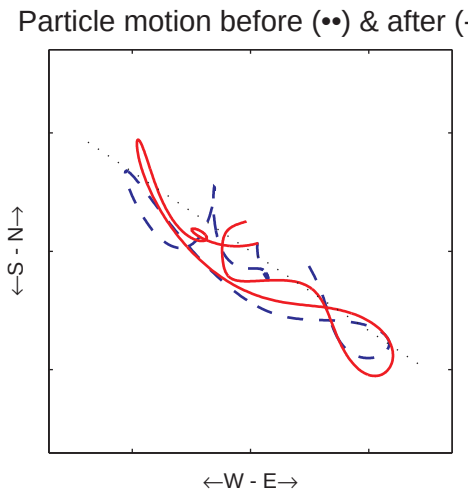


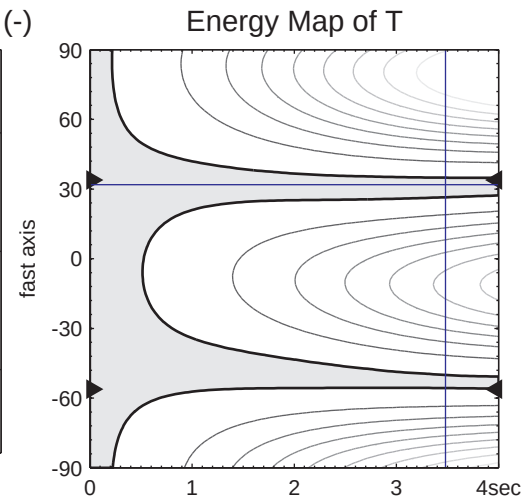


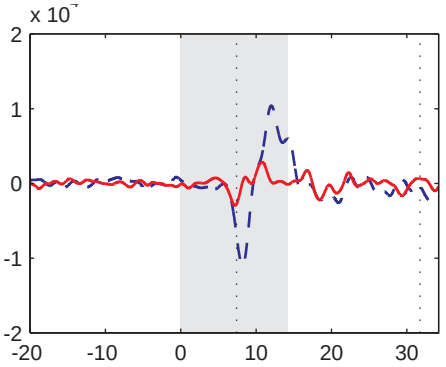








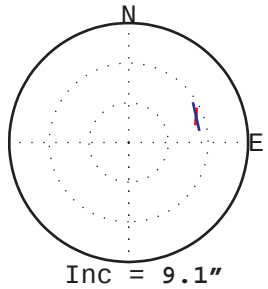


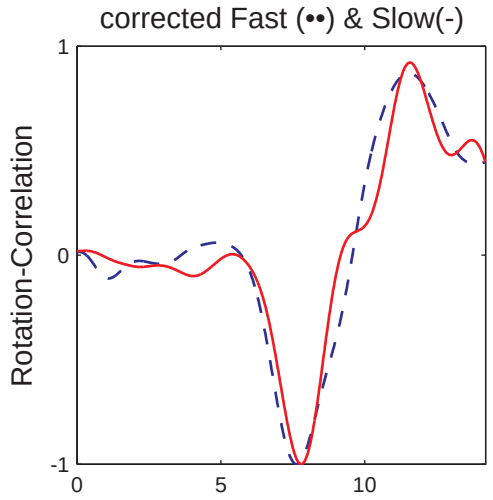


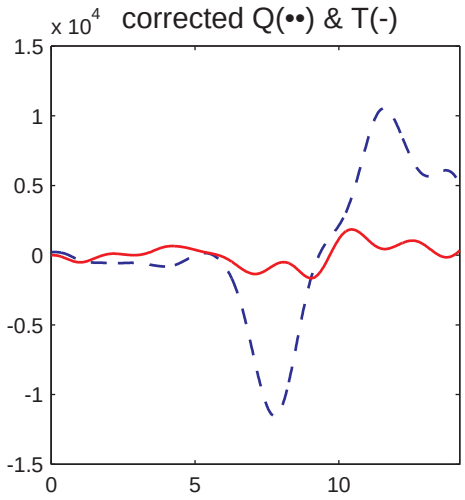
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **KARA** Backazimuth: **69.0”** Distance: **96.35”**
init.Pol.: **240.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.5**

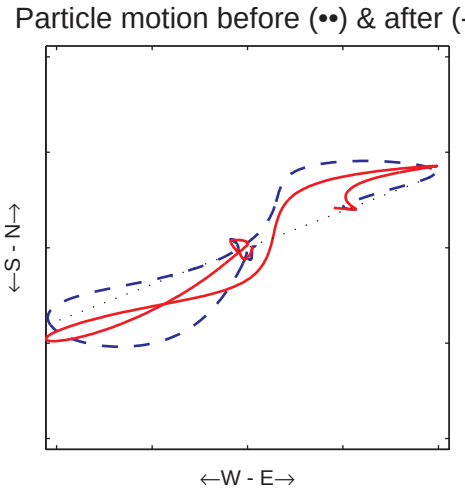
Rotation Correlation:	-14<	5° <	27	0.2<0.5s<1.0
Minimum Energy:	-11<	5° <	48	0.2<0.6s<1.0
Eigenvalue:	-19<	-13° <	-5	0.6<0.9s<1.2

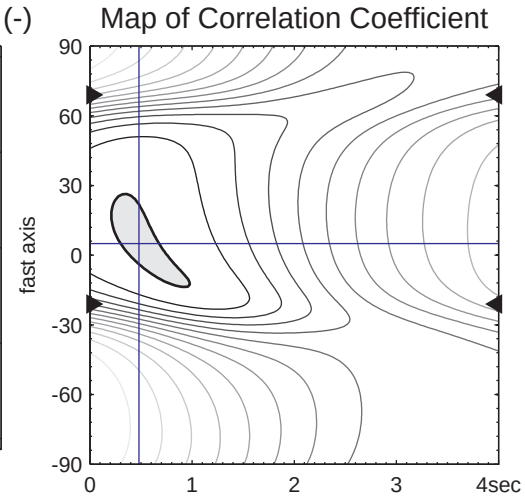
Quality: **fair** IsNull: **No** Phase: **SKS**

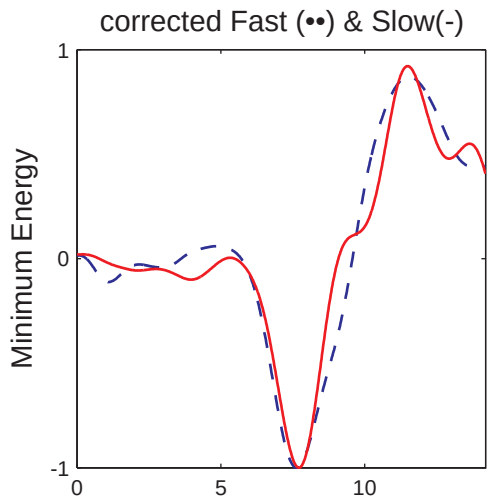


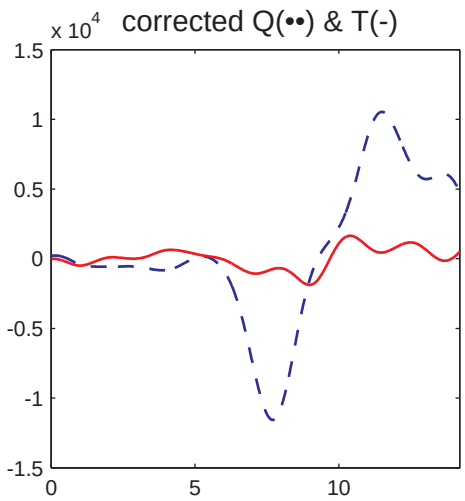


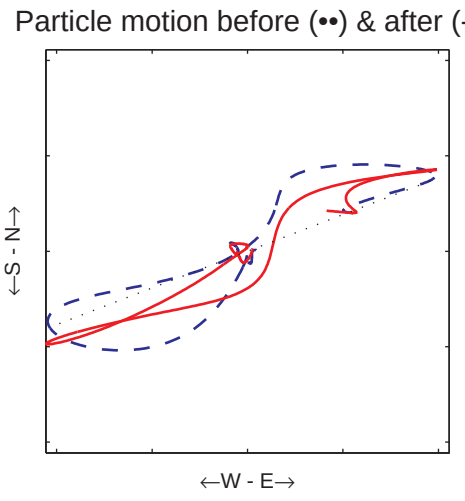


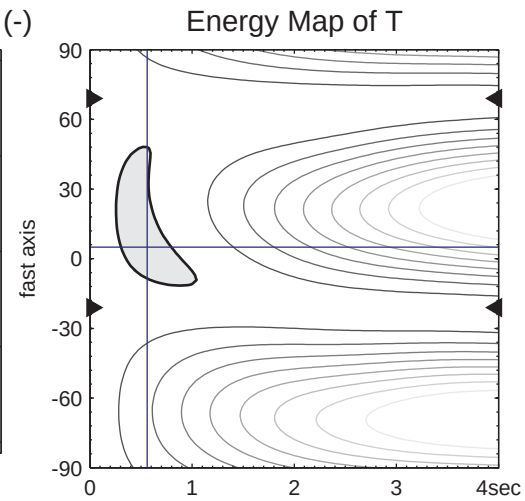


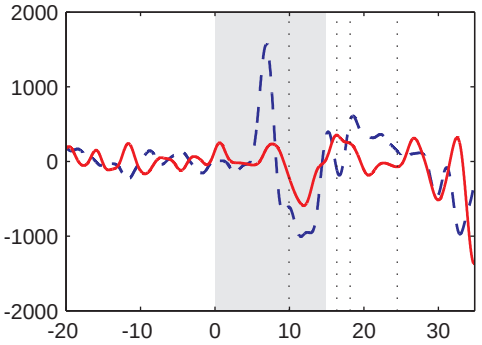








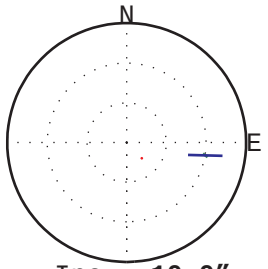




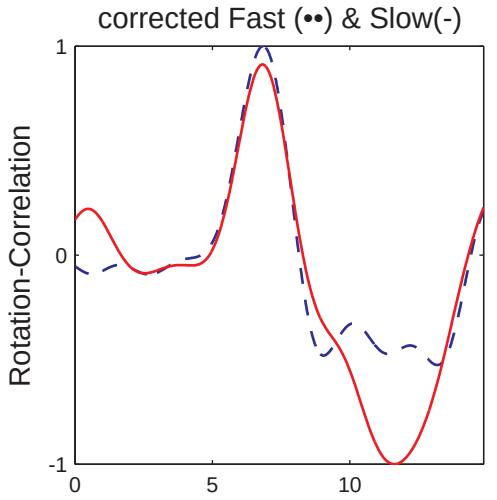
Event: **03-Jun-2008 (155) 22:04 -8.10N 120.23E 14km Mw=6.0**
Station: **KARA** Backazimuth: **99.4”** Distance: **91.09”**
init.Pol.: **261.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

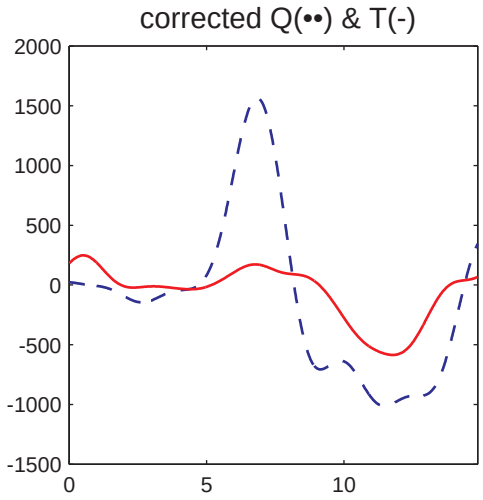
Rotation Correlation:	-66<	-52° < -40	0.0<0.2s<0.4
Minimum Energy:	84<	87° < -90	3.7<4.0s<4.0
Eigenvalue:	-Inf<	-89° < Inf	0.0<1.1s<Inf

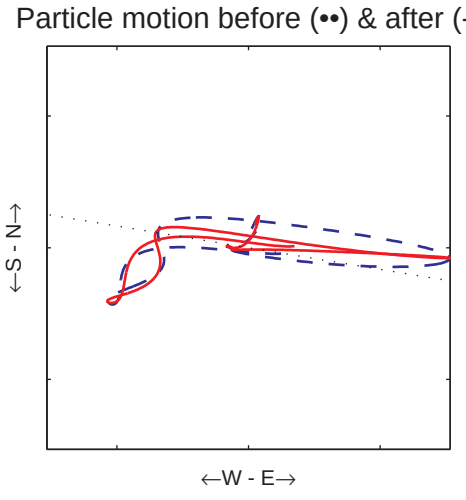
Quality: **good** IsNull: **Yes** Phase: **SKS**

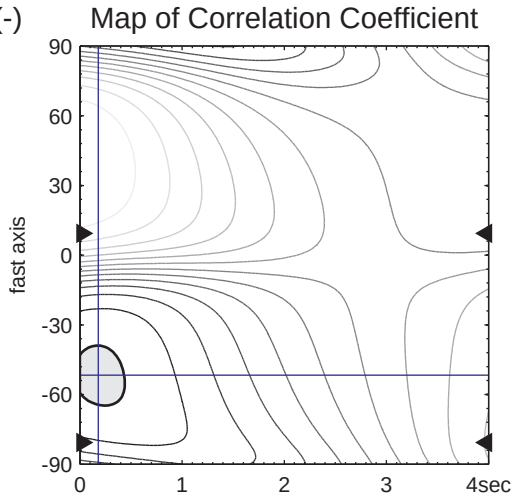


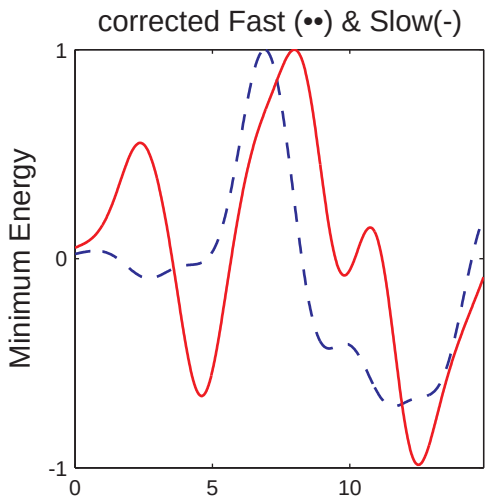
Inc = **10.0”**

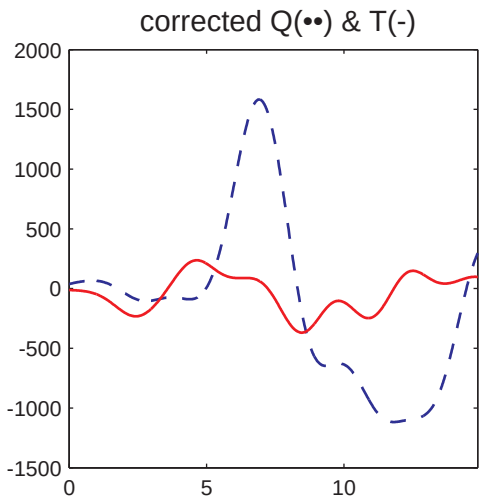


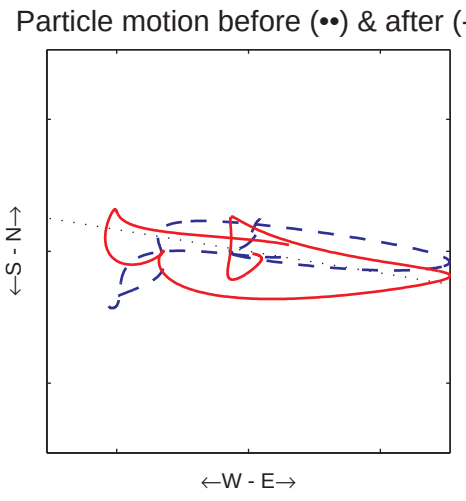


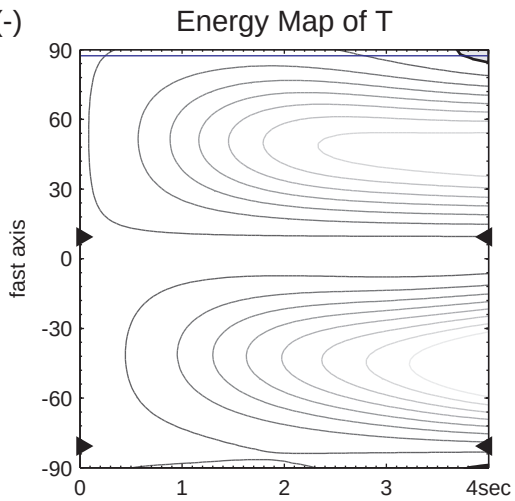


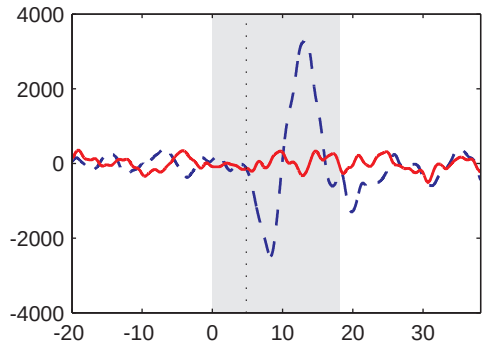








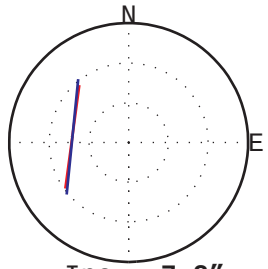




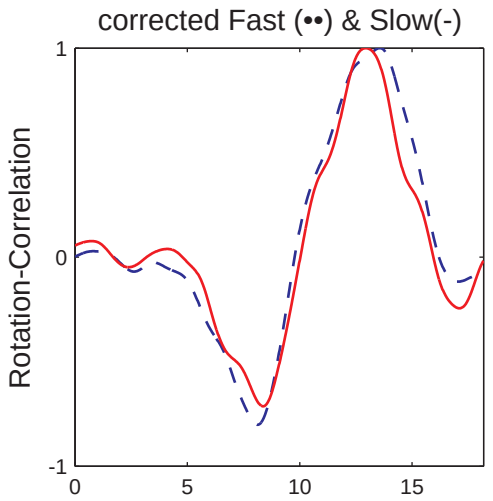
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **KARA** Backazimuth: **275.7”** Distance: **110.06”**
init.Pol.: **93.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.8**

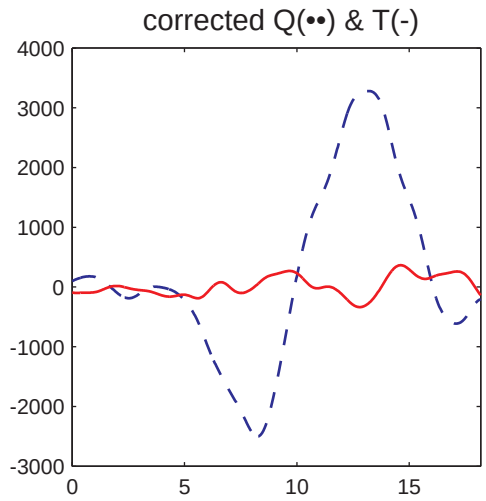
Rotation Correlation:	41<	52° < 65	0.0<0.1s<0.2
Minimum Energy:	-Inf<	8° < Inf	0.0<3.3s<Inf
Eigenvalue:	-Inf<	6° < Inf	0.0<3.6s<Inf

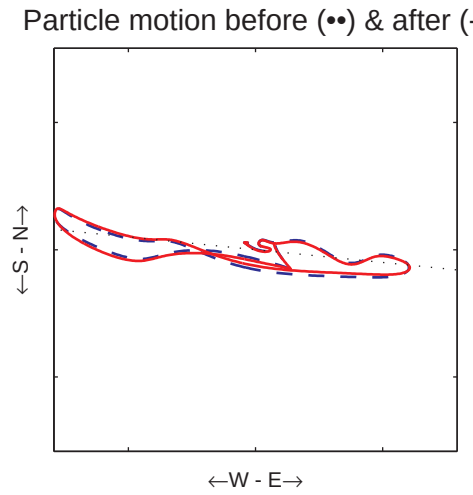
Quality: **good** IsNull: **Yes** Phase: **SKS**

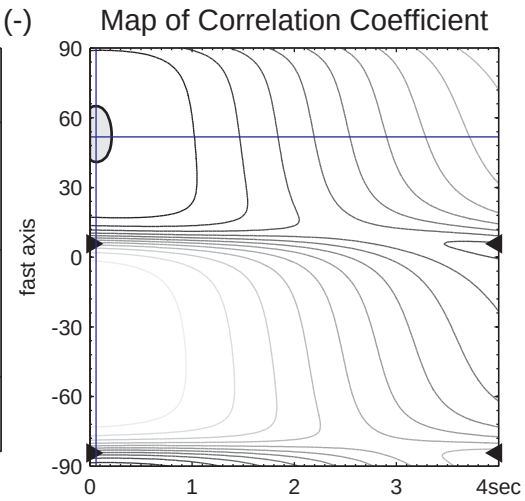


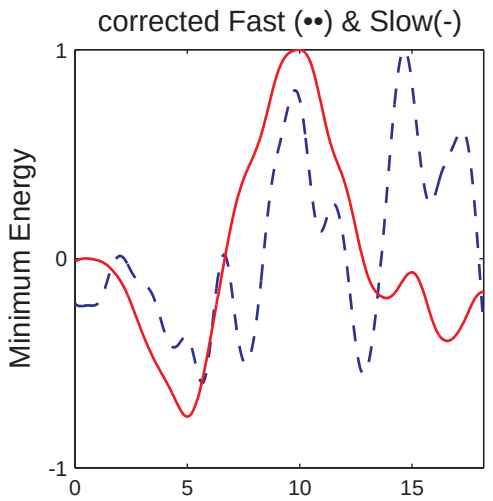
Inc = **7.2”**

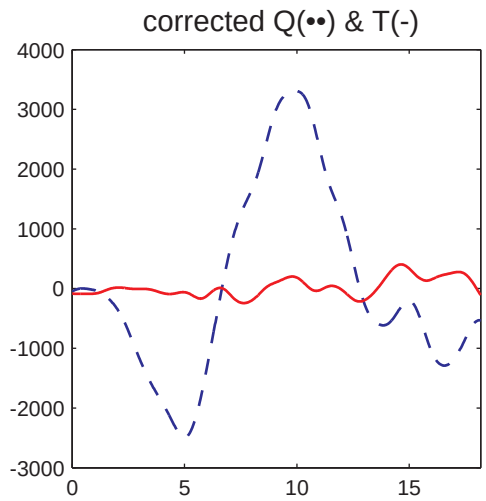


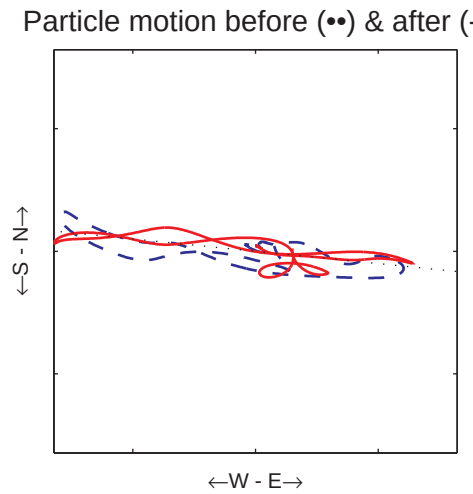


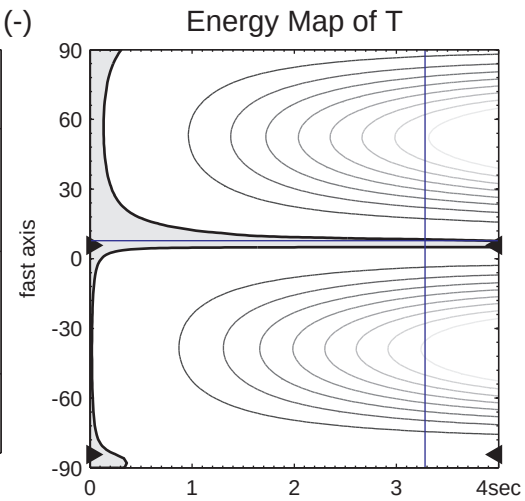


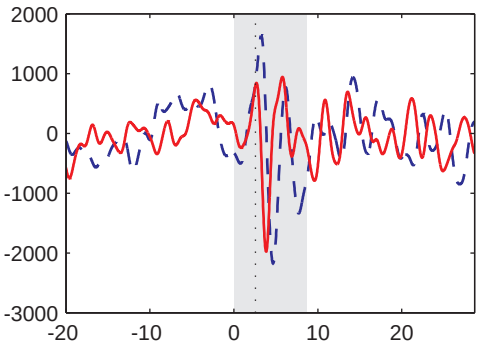








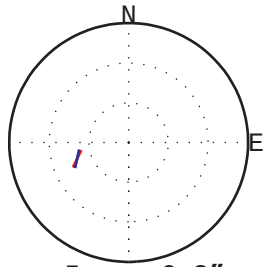


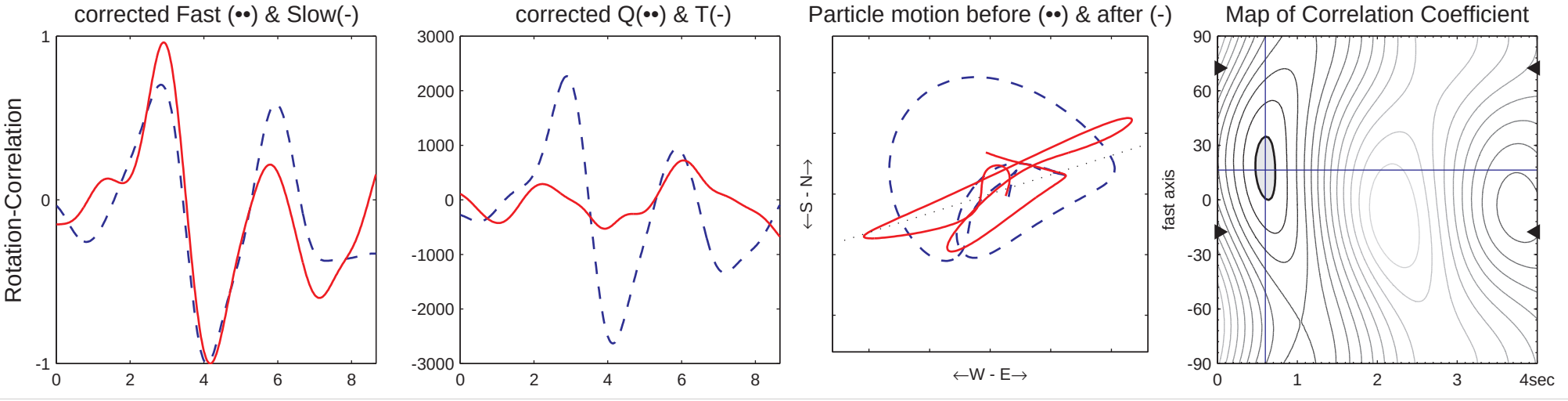


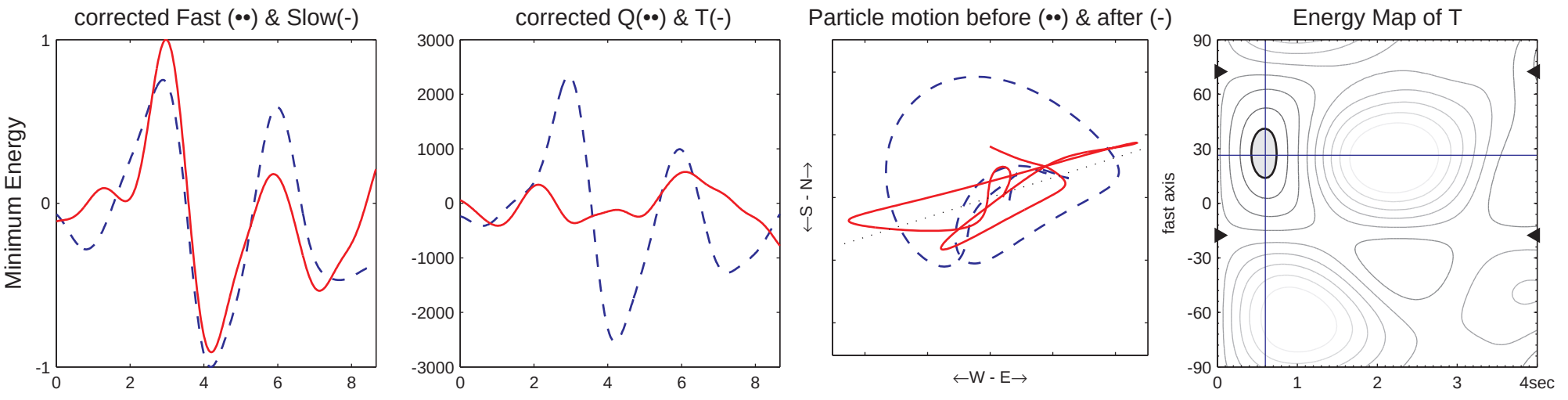
Event: **03-Sep-2008 (247) 11:25 -26.74N -63.23E 569km** Mw=**6.3**
Station: **KARA** Backazimuth: **252.4”** Distance: **112.01”**
init.Pol.: **61.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

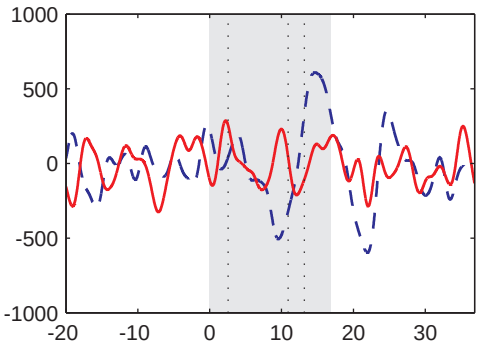
Rotation Correlation:	-1<	16° <	35	0.5<0.6s<0.7
Minimum Energy:	13<	26° <	41	0.4<0.6s<0.8
Eigenvalue:	-9<	12° <	37	0.4<0.6s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





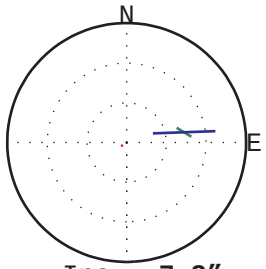




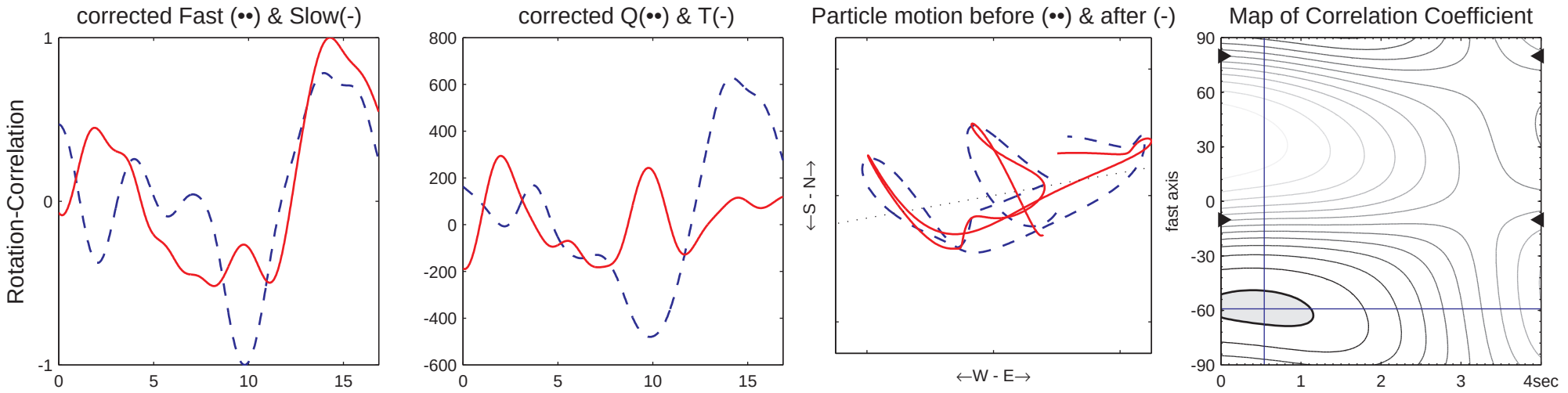
Event: **28-Oct-2008 (302) 16:00 -3.49N 145.87E 18km Mw=6.0**
Station: **KARA** Backazimuth: **79.9”** Distance: **108.61”**
init.Pol.: **249.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.5**

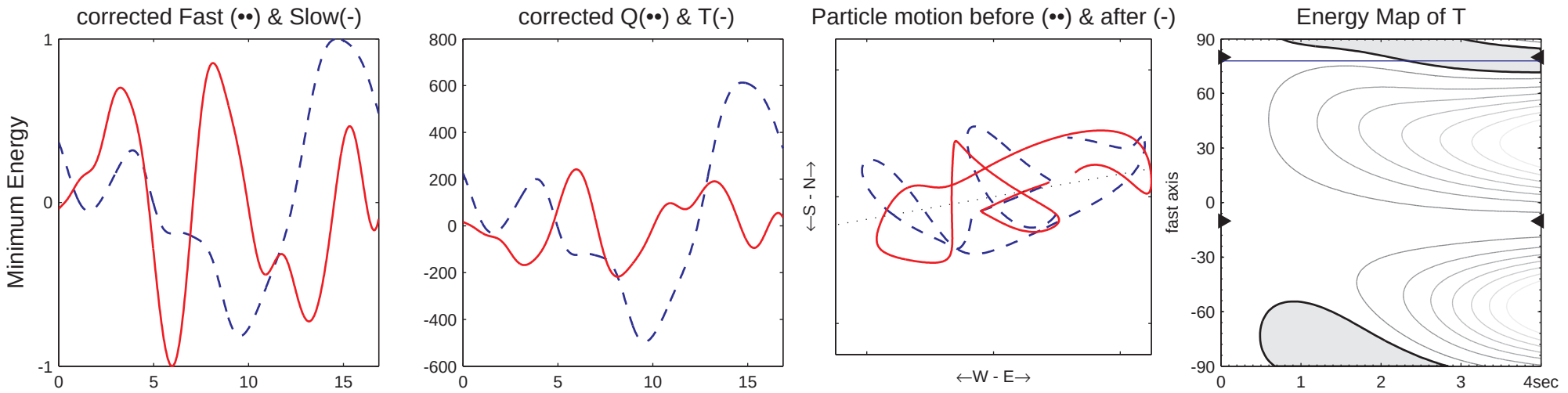
Rotation Correlation:	-70<	-59° < -50	0.0<0.5s<1.2
Minimum Energy:	72<	78° < -56	0.5<4.0s<4.0
Eigenvalue:	68<	88° < -72	0.9<2.0s<4.0

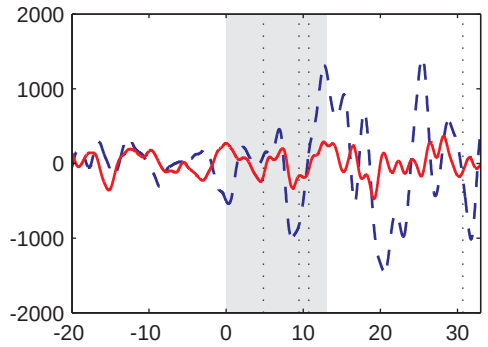
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.3”**



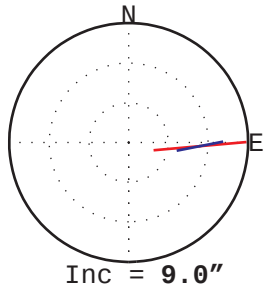


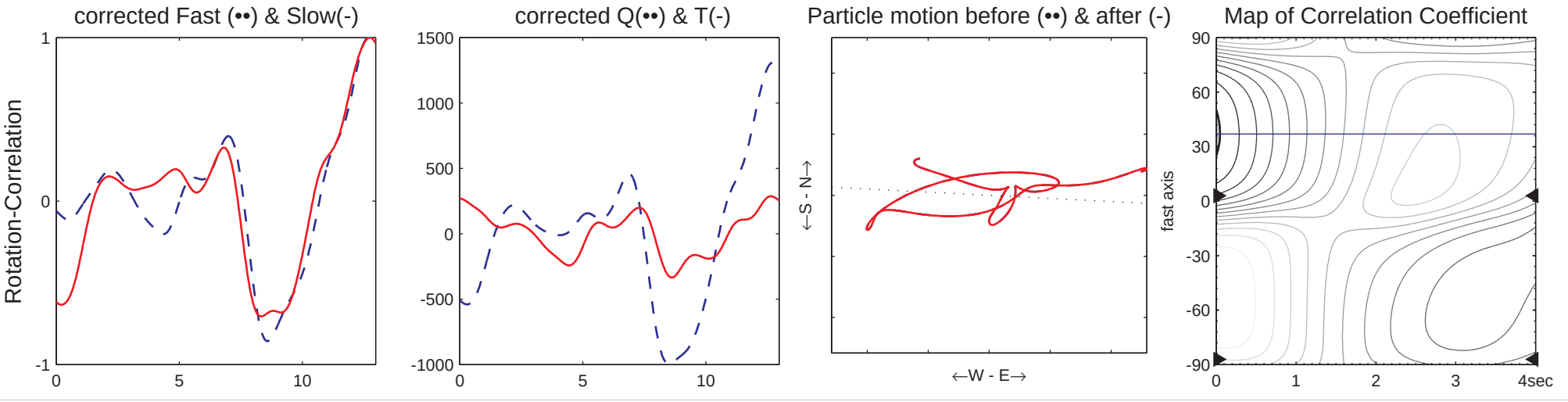


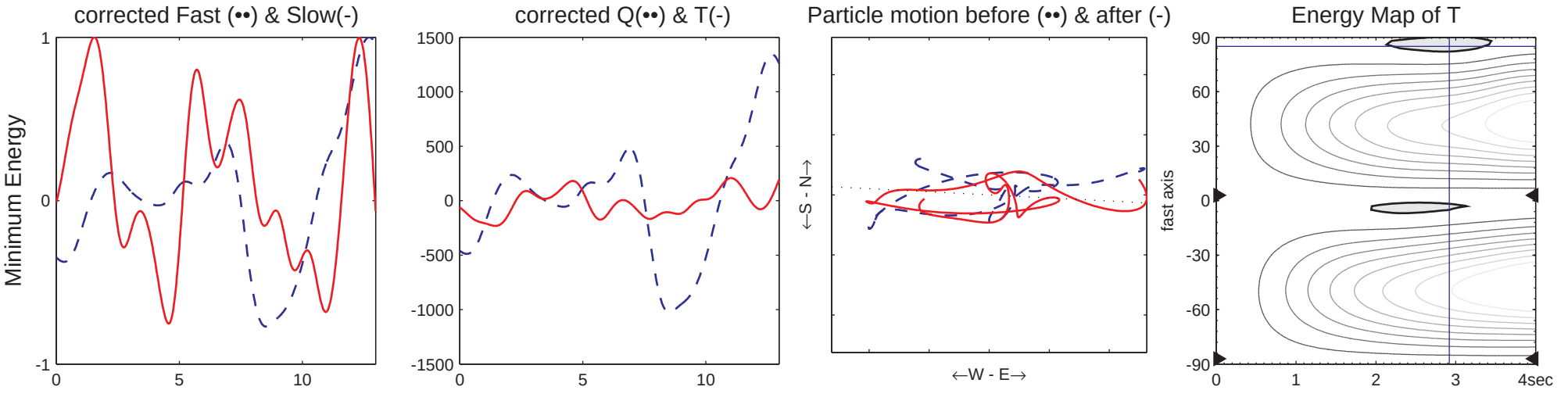
Event: **07-Nov-2008 (312) 16:04 -6.71N 129.07E 10km Mw=6.2**
Station: **KARA** Backazimuth: **92.9”** Distance: **97.25”**
init.Pol.: **257.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

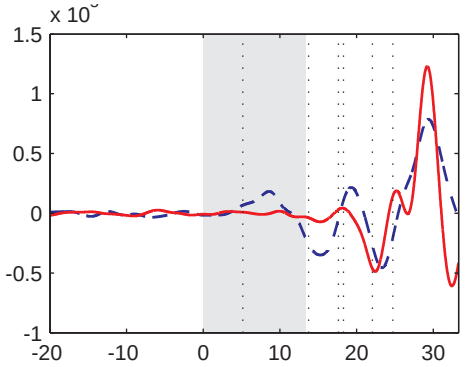
Rotation Correlation:	25<	37° <	50	0.0<0.0s<0.0
Minimum Energy:	82<	85° <	-92	2.1<2.9s<3.4
Eigenvalue:	76<	79° <	88	0.7<1.5s<2.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





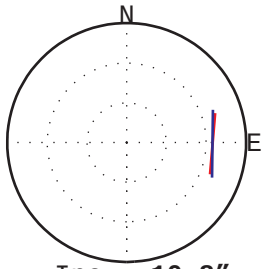




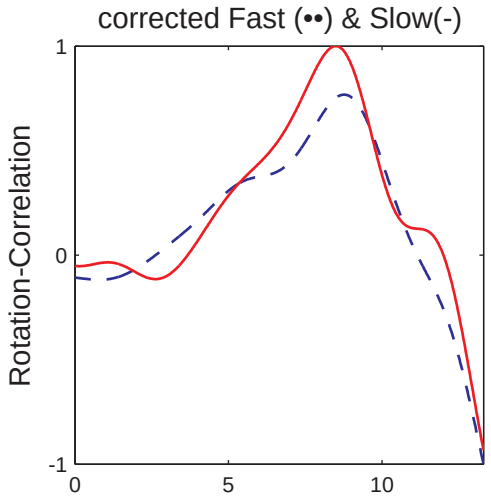
Event: **16-Nov-2008 (321) 17:02 1.27N 122.09E 30km Mw=7.4**
Station: **KARA** Backazimuth: **90.8”** Distance: **86.87”**
init.Pol.: **267.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**15.2**

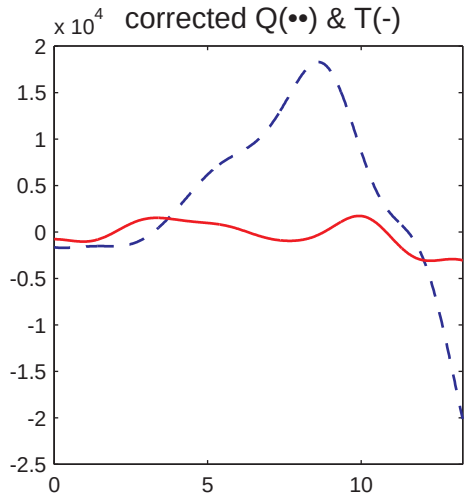
Rotation Correlation:	28<	43° <	60	0.0<0.0s<0.1
Minimum Energy:	1<	5° <	76	0.1<1.9s<3.6
Eigenvalue:	-5<	1° <	15	0.3<2.1s<4.0

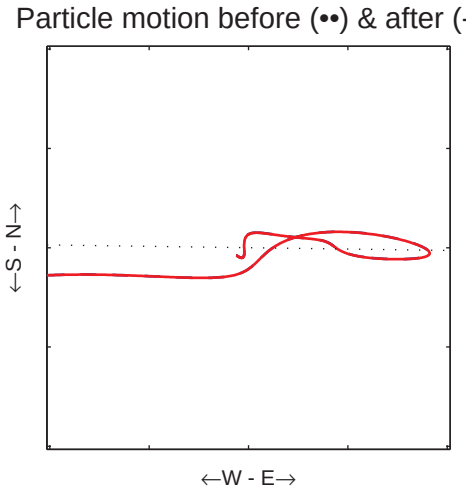
Quality: **good** IsNull: **Yes** Phase: **SKS**

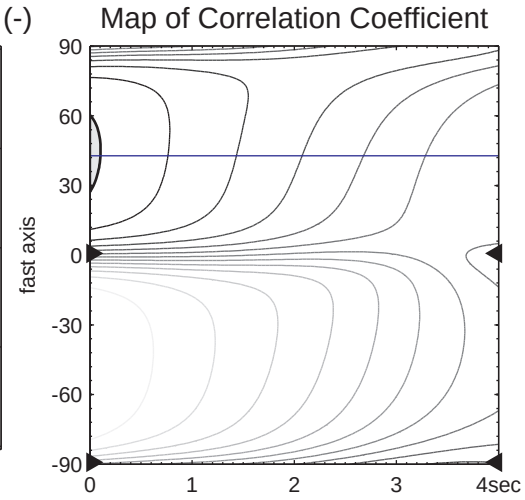


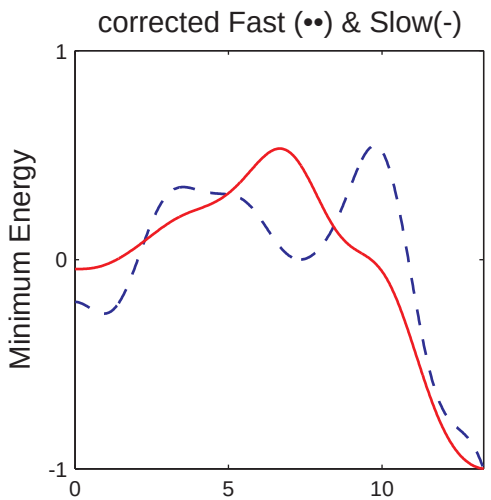
Inc = **10.8”**

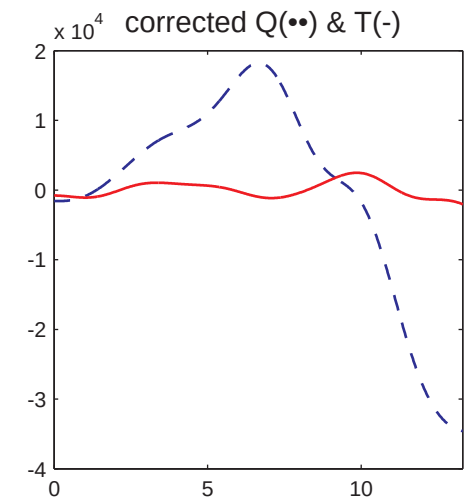


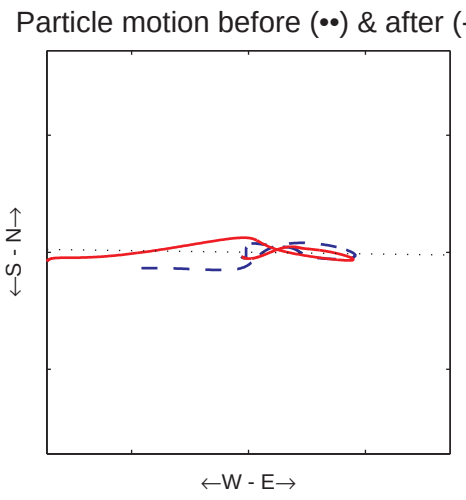


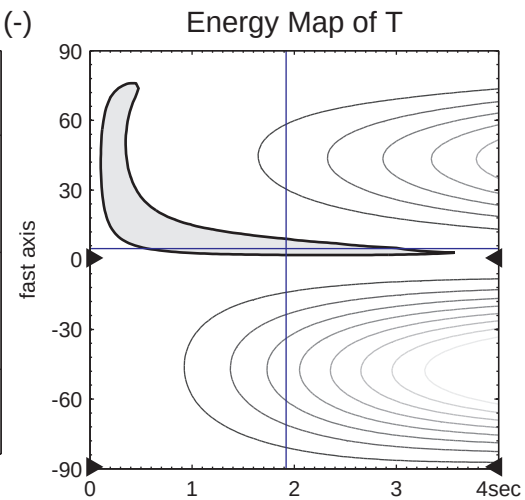


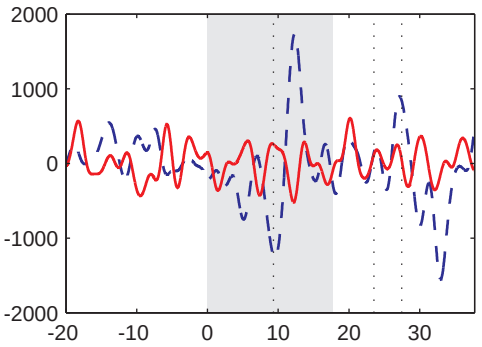








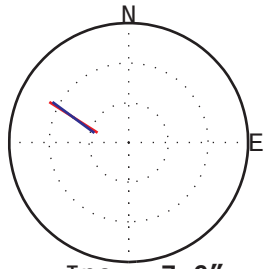


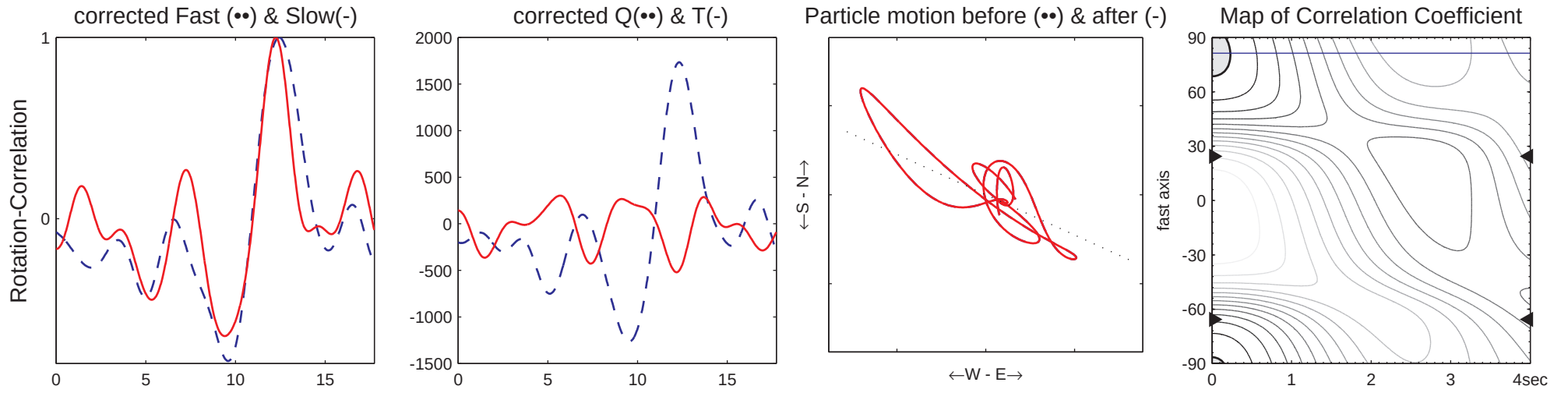


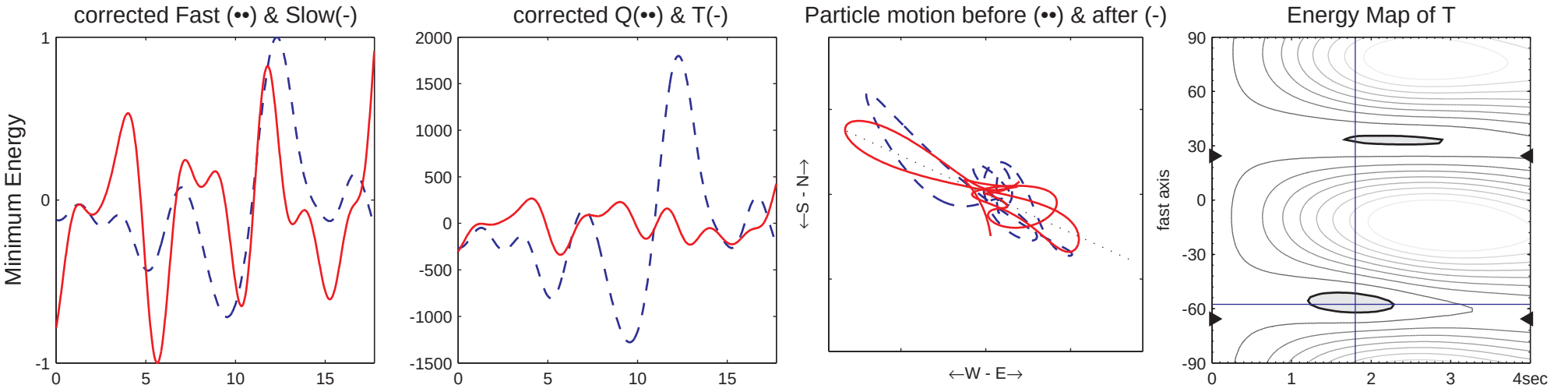
Event: **19-Nov-2008 (324) 06:11 8.27N -82.97E 32km Mw=6.3**
Station: **KARA** Backazimuth: **294.4”** Distance: **106.44”**
init.Pol.: **120.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

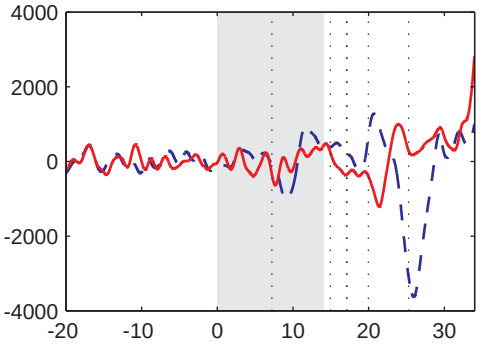
Rotation Correlation:	69<	81° < -87	0.0<0.0s<0.2
Minimum Energy:	-64<	-58° < -54	1.2<1.8s<2.3
Eigenvalue:	-64<	-54° < -48	0.4<1.6s<2.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





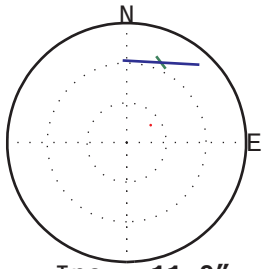




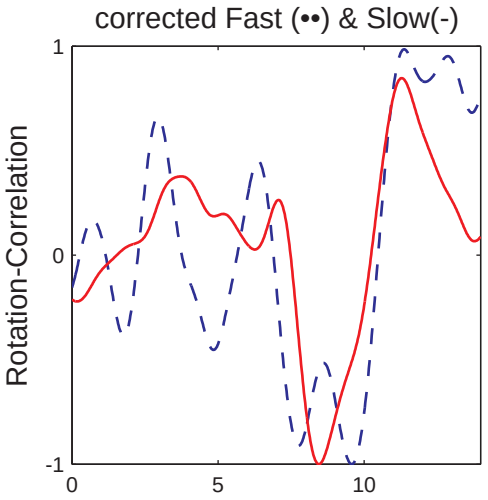
Event: **06-Jul-2009 (187) 14:53 50.44N 176.99E 22km Mw=6.1**
Station: **KARA** Backazimuth: **23.2”** Distance: **86.12”**
init.Pol.: **170.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.4**

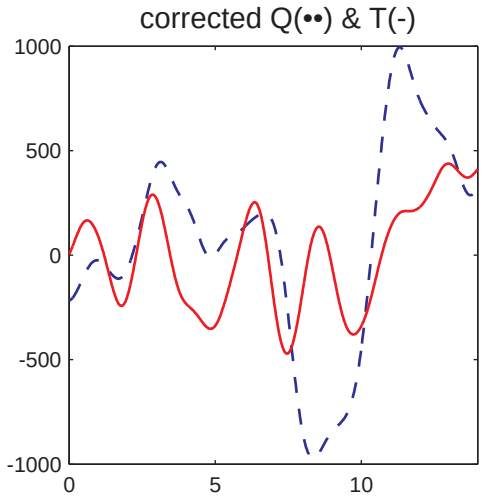
Rotation Correlation:	-46<	-37° <	-30	0.2<0.5s<0.7
Minimum Energy:	1<	9° <	15	3.8<4.0s<4.0
Eigenvalue:	84<	-87° <	-80	1.6<2.4s<3.2

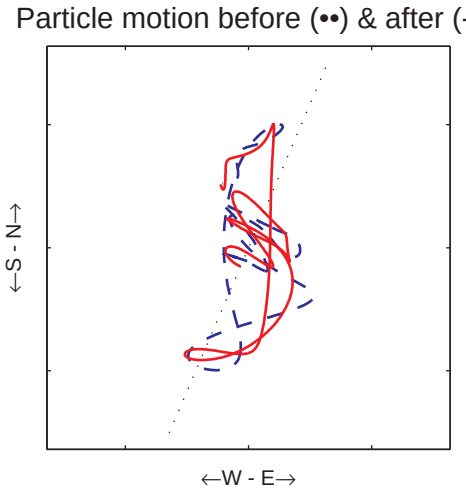
Quality: **good** IsNull: **Yes** Phase: **SKS**

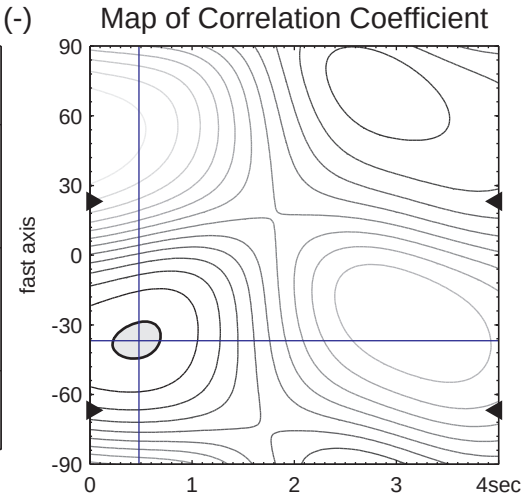


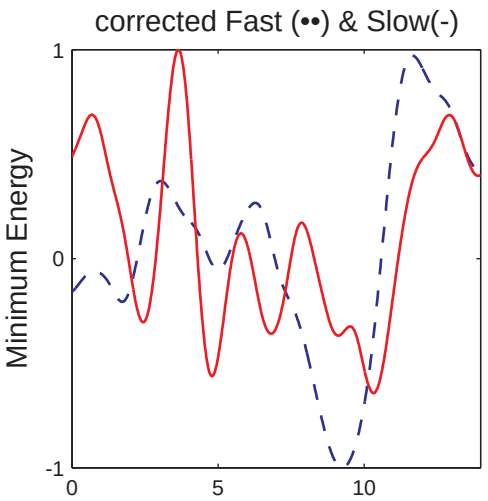
Inc = **11.0”**

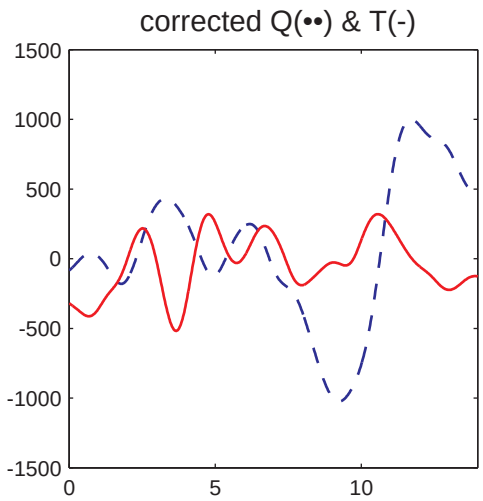


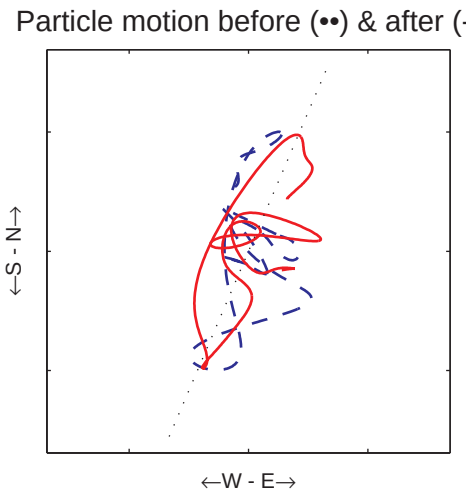


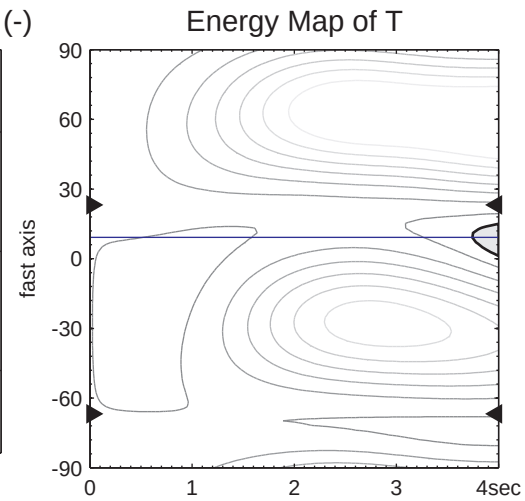


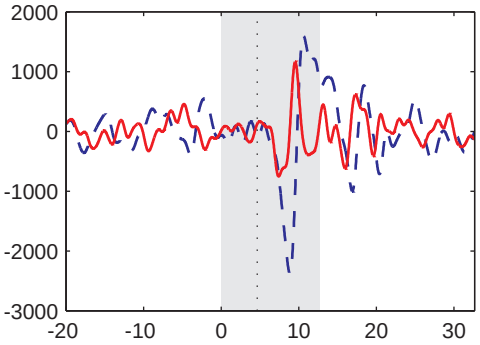








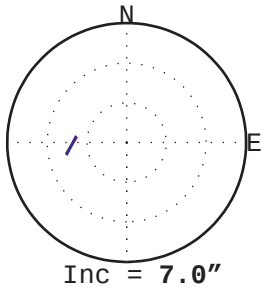


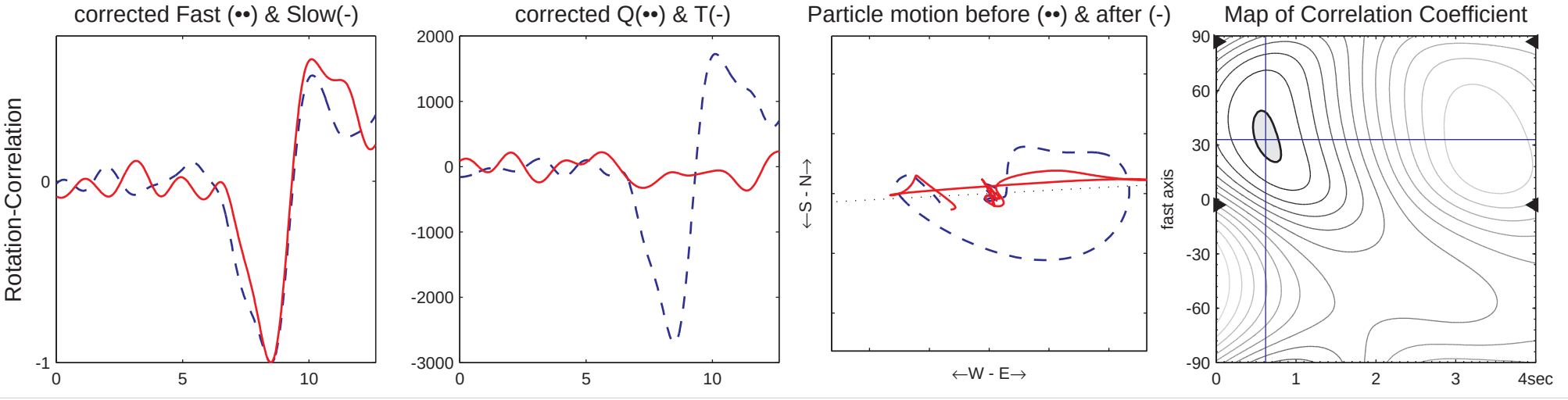


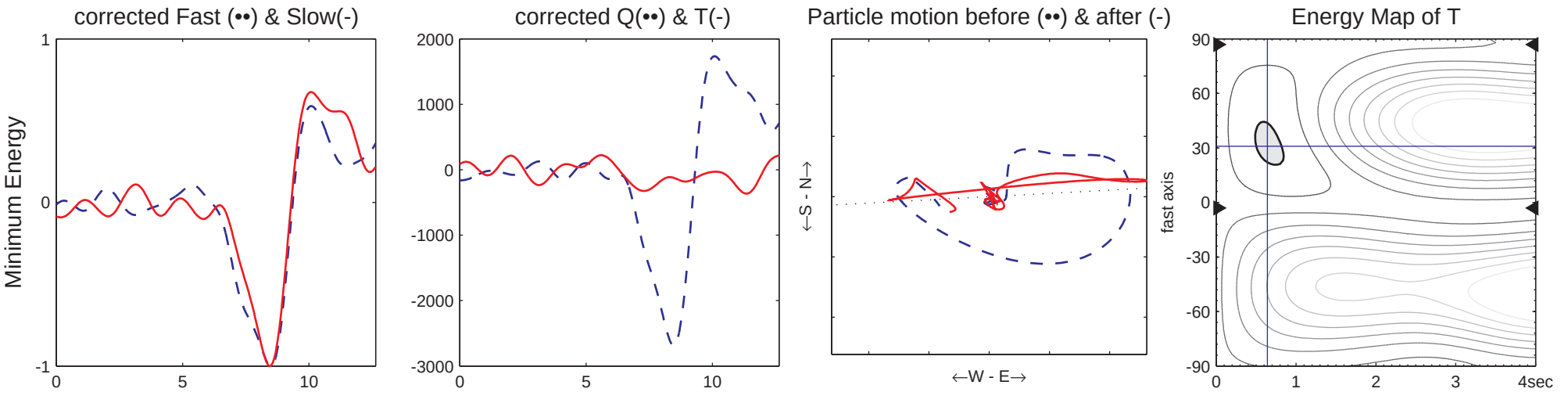
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **KARA** Backazimuth: **266.9”** Distance: **111.26”**
init.Pol.: **84.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.5**

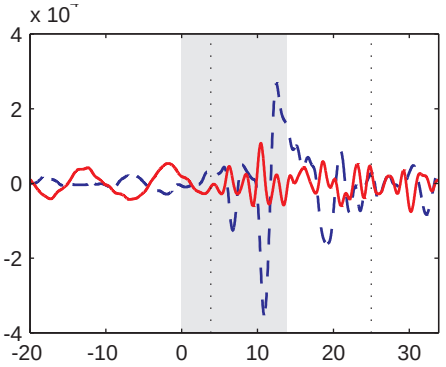
Rotation Correlation:	21<	33° <	49	0.5<0.6s<0.8
Minimum Energy:	21<	31° <	43	0.5<0.6s<0.8
Eigenvalue:	15<	27° <	43	0.5<0.7s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





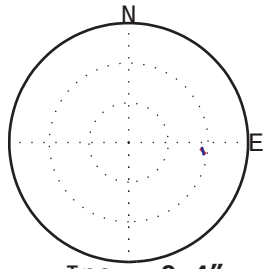


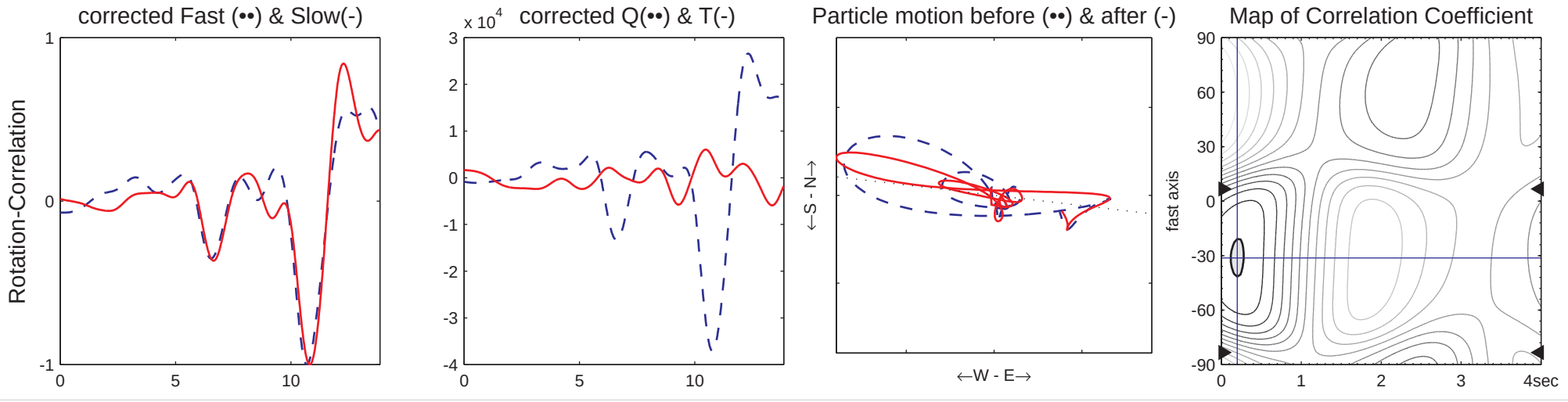


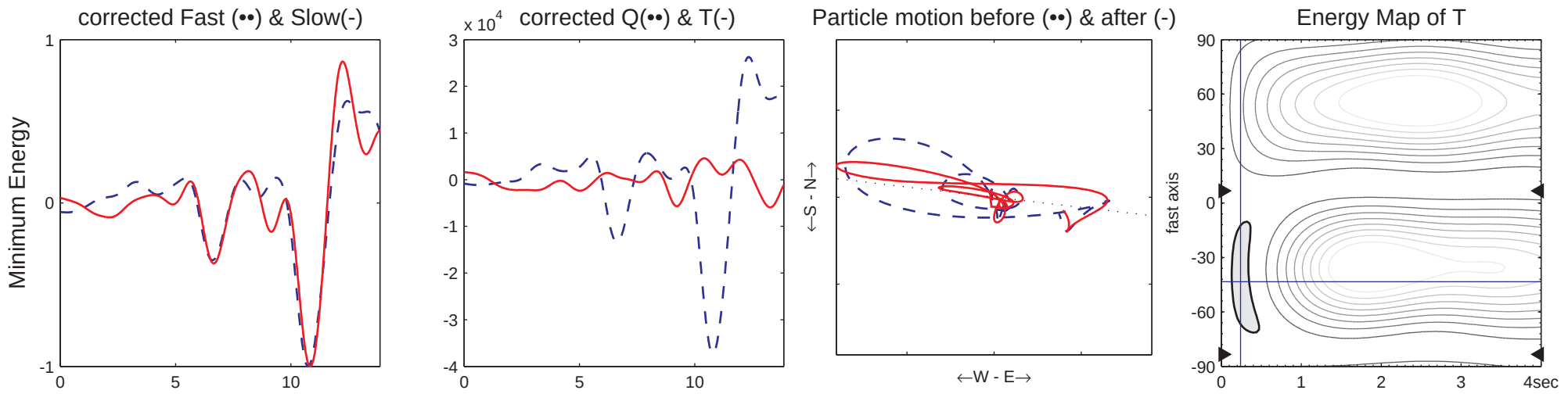
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **KARA** Backazimuth: **96.7”** Distance: **93.03”**
init.Pol.: **283.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.7**

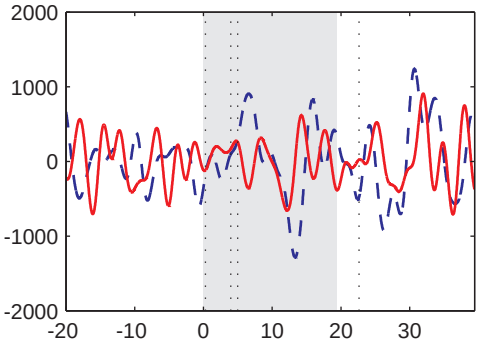
Rotation Correlation:	-43<	-31° <	-22	0.1<0.2s<0.3
Minimum Energy:	-74<	-43° <	-13	0.1<0.2s<0.5
Eigenvalue:	-58<	-15° <	1	0.2<0.3s<0.5

Quality: **fair** IsNull: **No** Phase: **SKS**





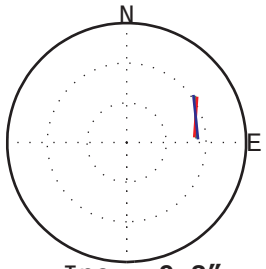


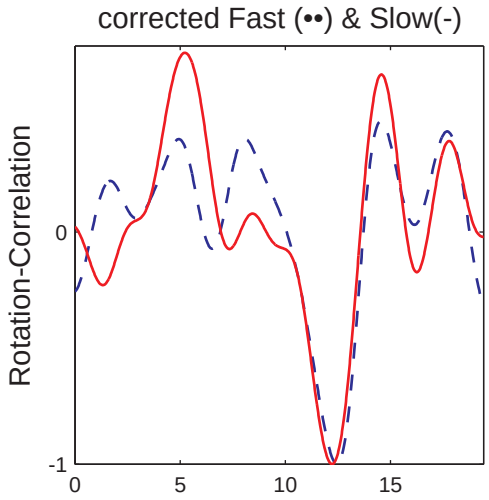


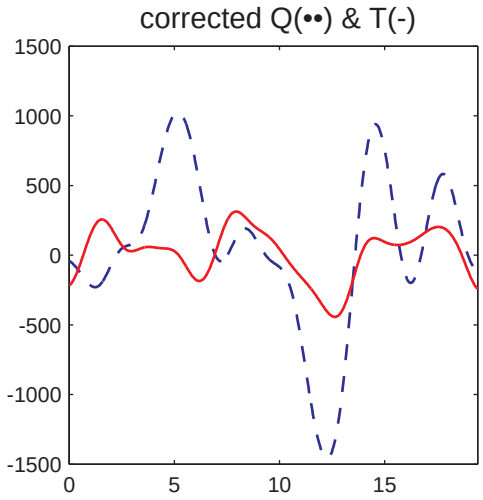
Event: **02-Jan-2010 (002) 08:45 12.42N 141.95E 8km Mw=6.1**
Station: **KARA** Backazimuth: **69.8”** Distance: **95.49”**
init.Pol.: **236.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

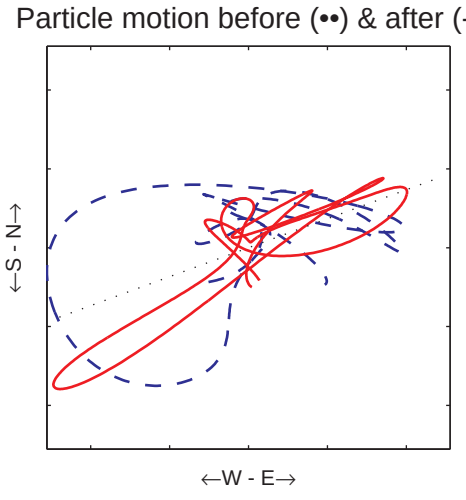
Rotation Correlation:	-9<	-2° < 6	1.1<1.3s<1.5
Minimum Energy:	-5<	4° < 13	0.9<1.3s<1.6
Eigenvalue:	-17<	-6° < 1	1.1<1.4s<1.7

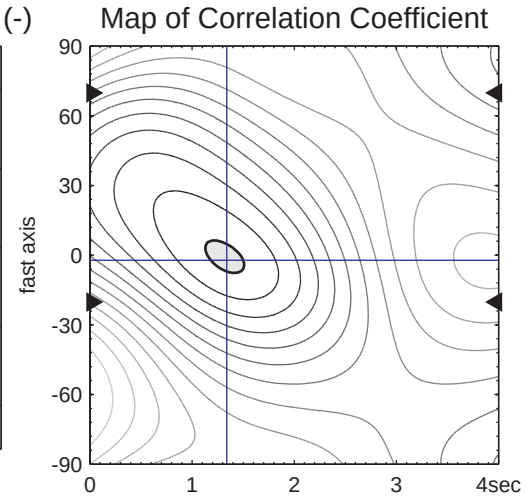
Quality: **good** IsNull: **No** Phase: **SKS**

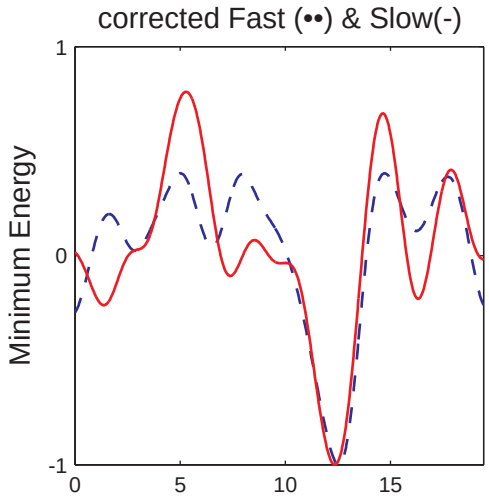


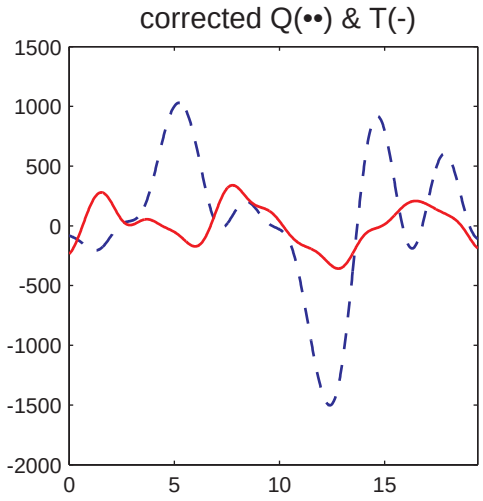


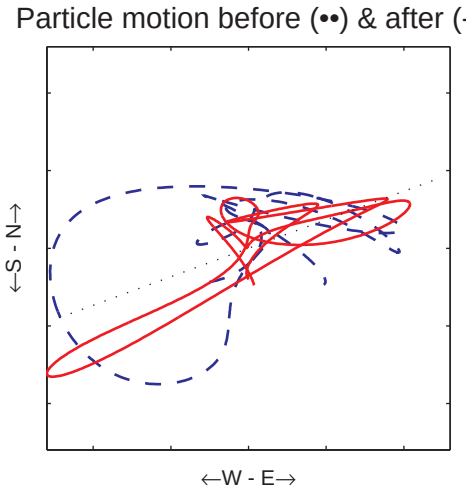


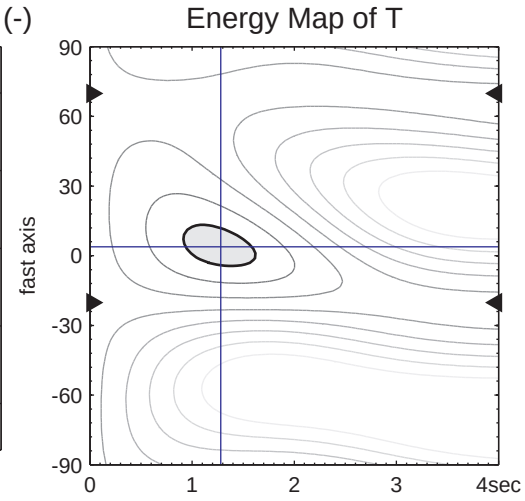


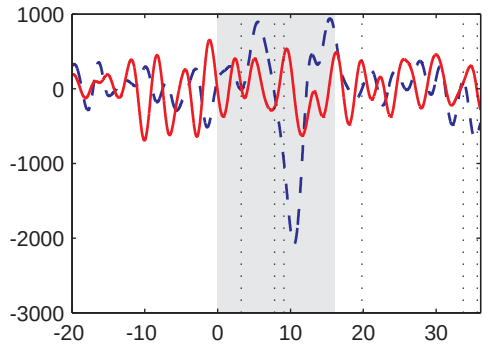








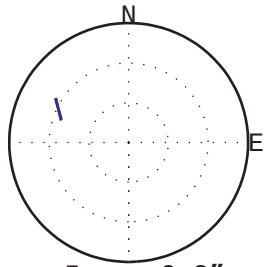


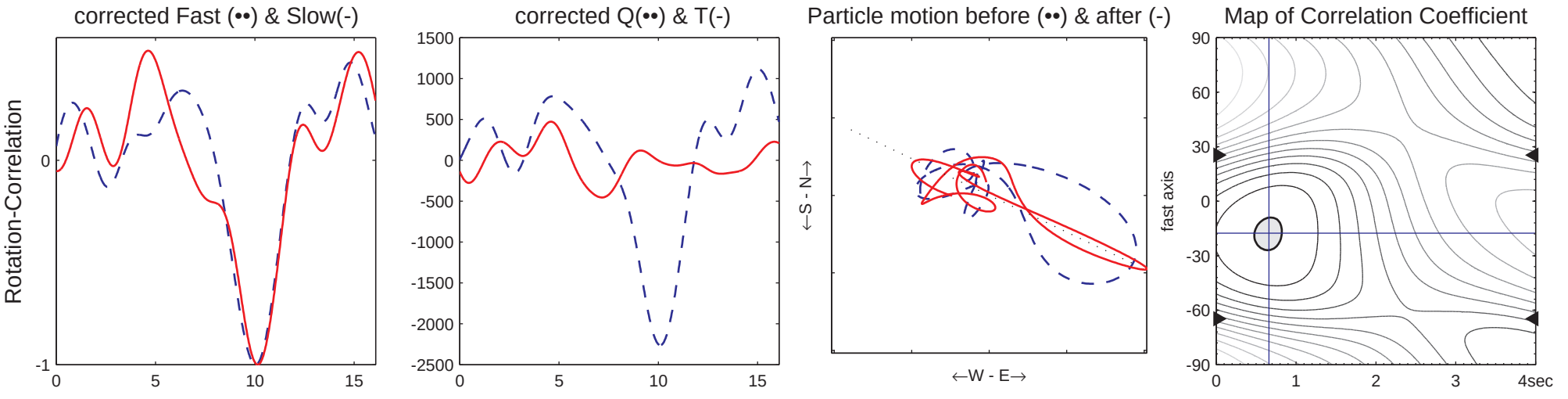


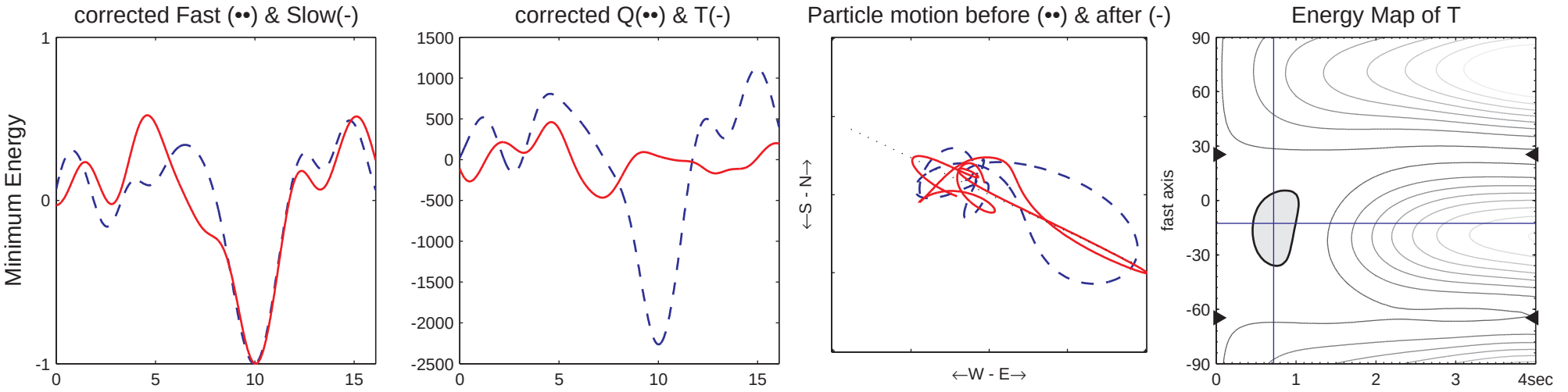
Event: **20-Jan-2010 (020) 11:03 18.42N -72.82E 10km Mw=5.9**
Station: **KARA** Backazimuth: **295.4”** Distance: **92.32”**
init.Pol.: **114.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.4**

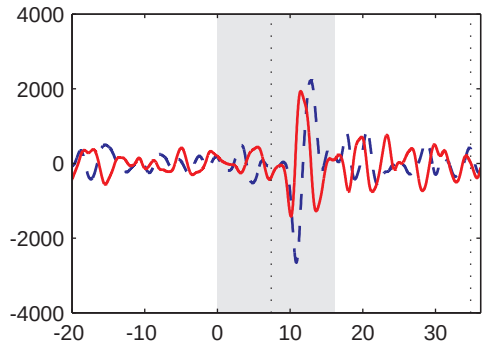
Rotation Correlation:	-28<	-18° < -10	0.5<0.7s<0.8
Minimum Energy:	-37<	-13° < 3	0.4<0.7s<1.0
Eigenvalue:	-46<	-15° < 5	0.4<0.7s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





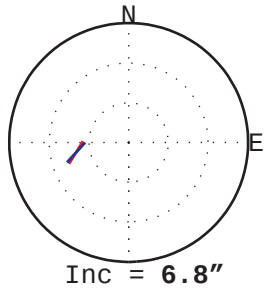


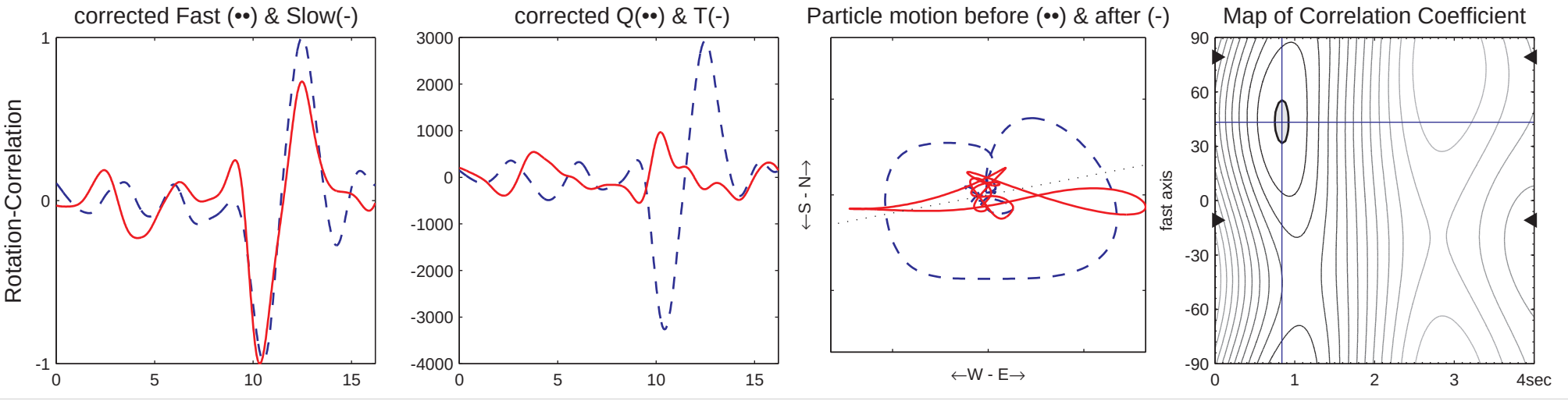


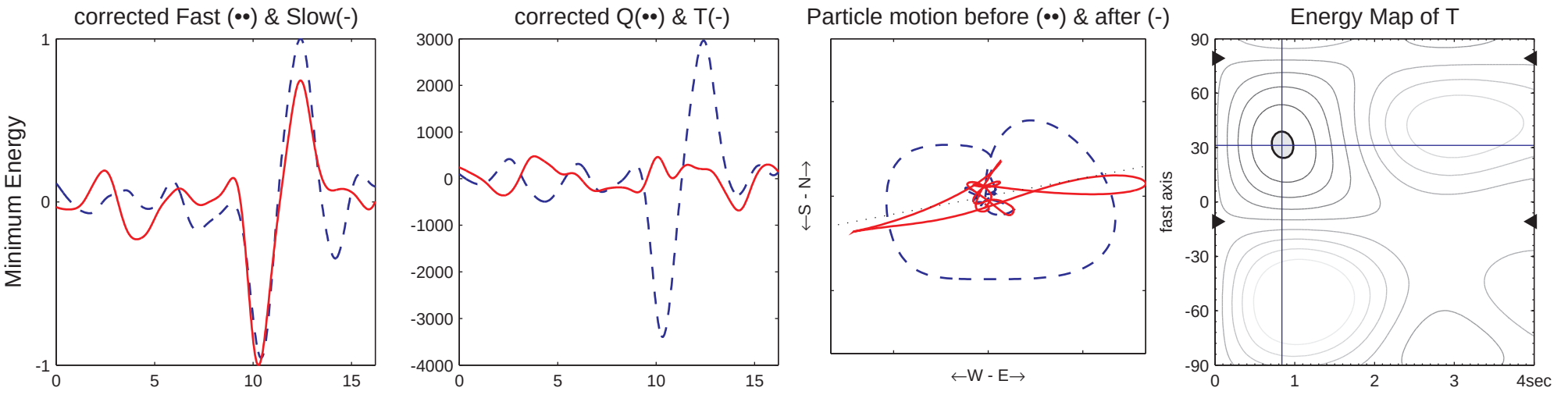
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **KARA** Backazimuth: **259.2”** Distance: **113.55”**
init.Pol.: **87.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.2**

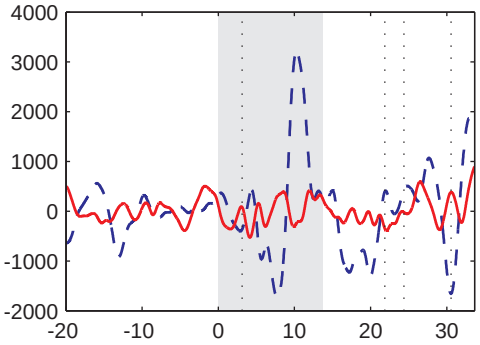
Rotation Correlation:	32<	43° <	56	0.8<0.8s<0.9
Minimum Energy:	25<	31° <	39	0.7<0.8s<1.0
Eigenvalue:	21<	41° <	62	0.7<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





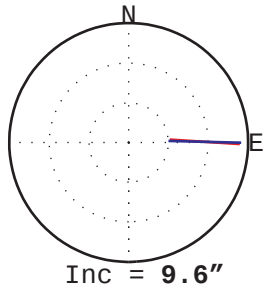


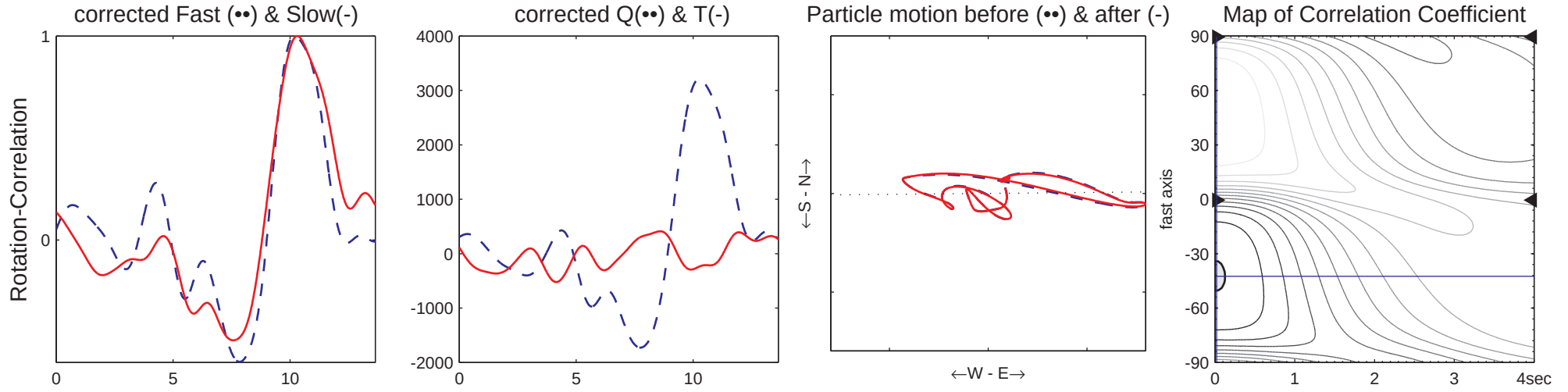


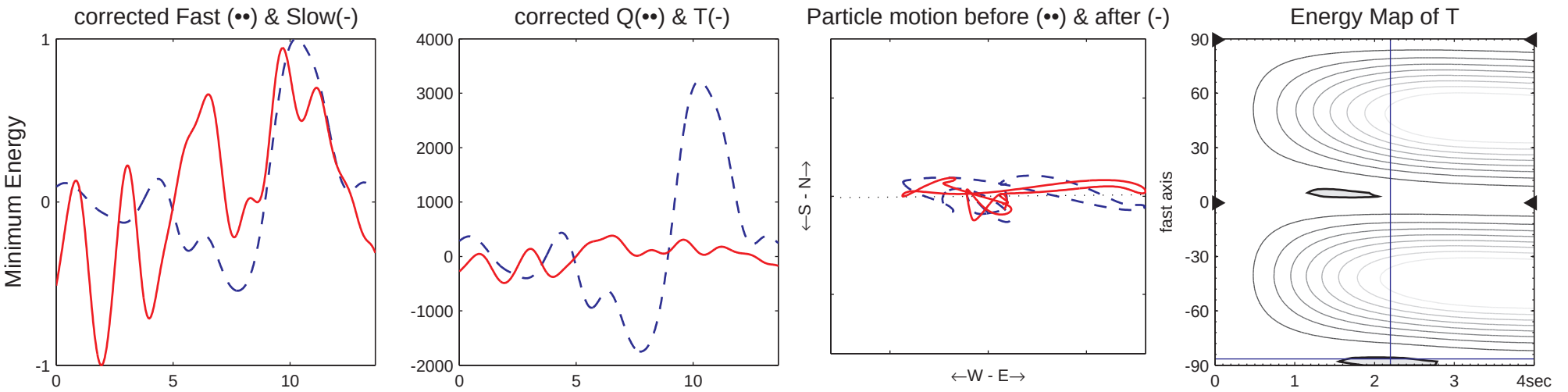
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **KARA** Backazimuth: **89.5”** Distance: **93.47”**
init.Pol.: **266.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.8**

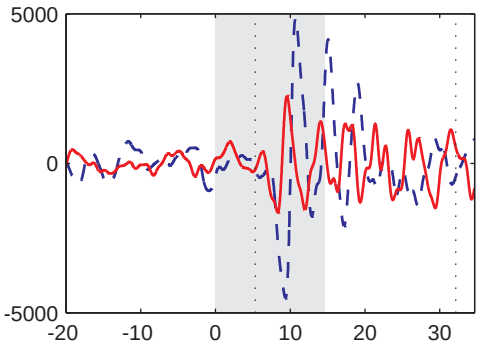
Rotation Correlation:	-52<	-43° <	-35	0.0<0.0s<0.1
Minimum Energy:	-90<	-87° <	-88	1.6<2.2s<2.8
Eigenvalue:	-Inf<	-89° <	Inf	0.0<2.3s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





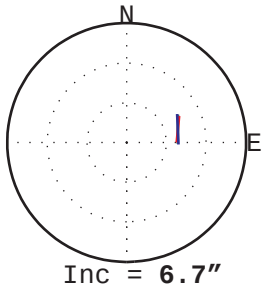


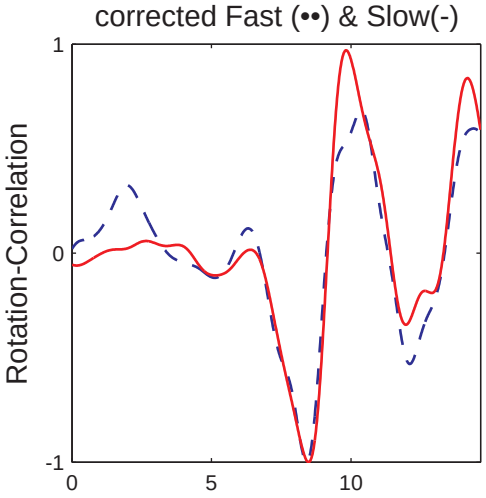


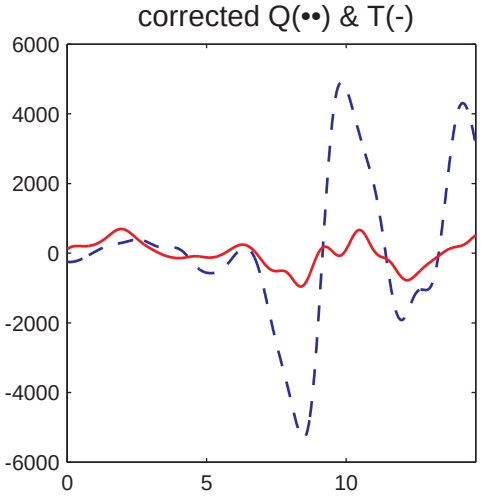
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **KARA** Backazimuth: **75.5”** Distance: **113.49”**
init.Pol.: **246.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.2**

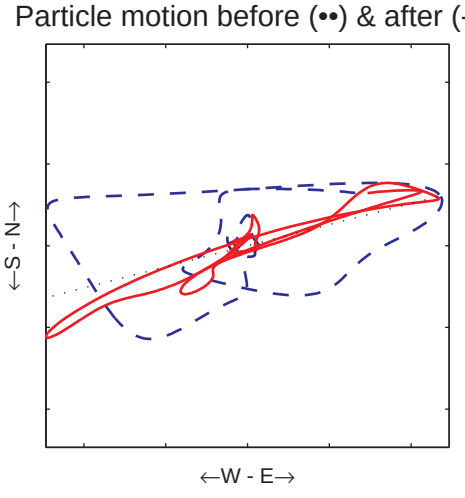
Rotation Correlation:	-8<	1° <	39	0.4<0.9s<1.1
Minimum Energy:	1<	6° <	11	0.7<0.8s<1.0
Eigenvalue:	-13<	-2° <	1	0.8<1.0s<1.1

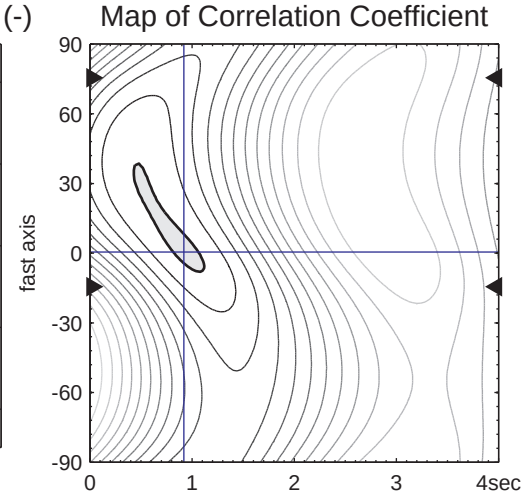
Quality: **good** IsNull: **No** Phase: **SKS**

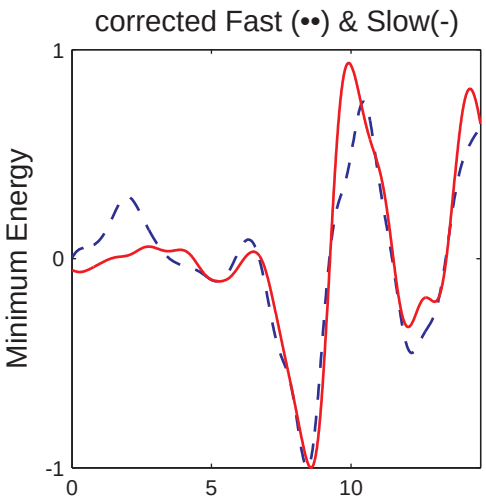


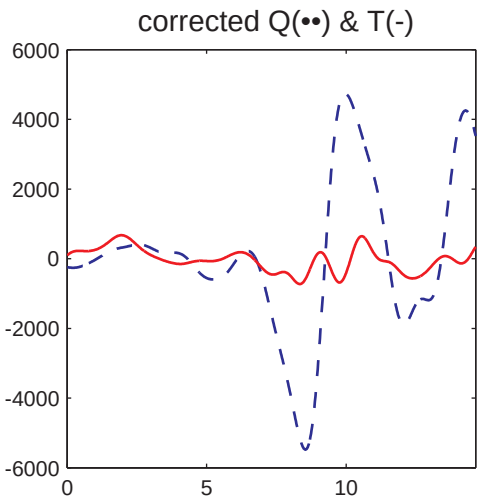


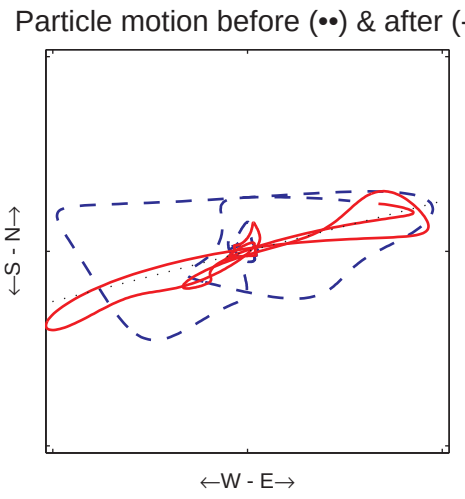


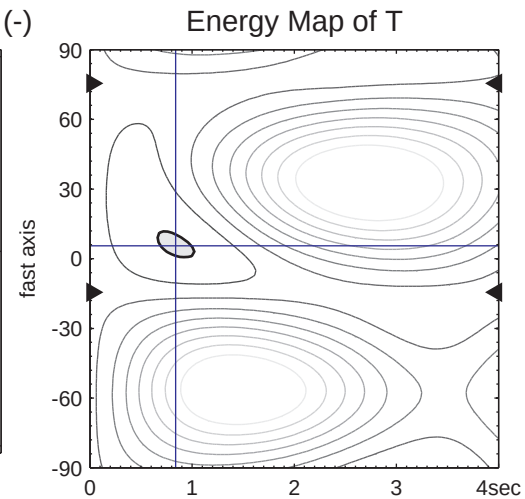


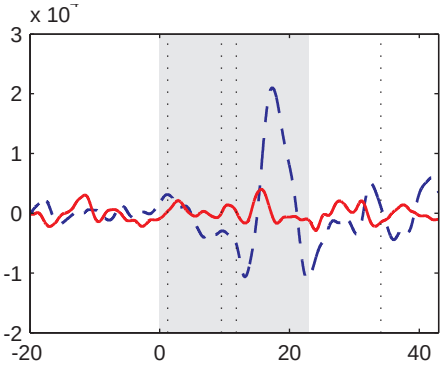








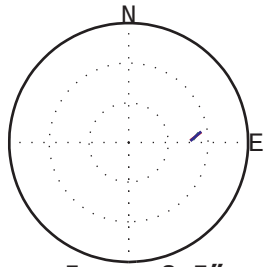


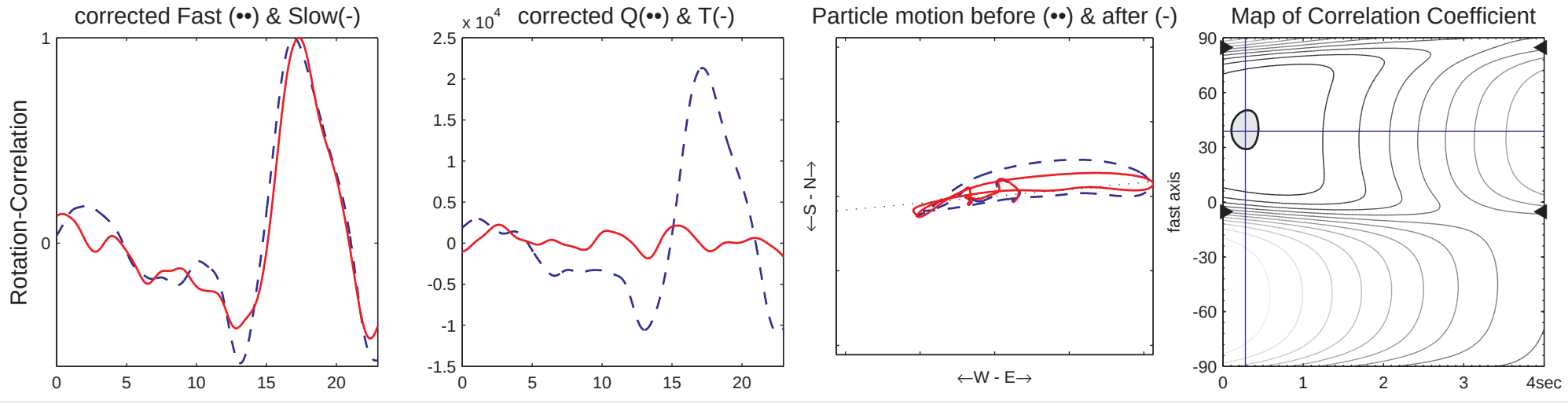


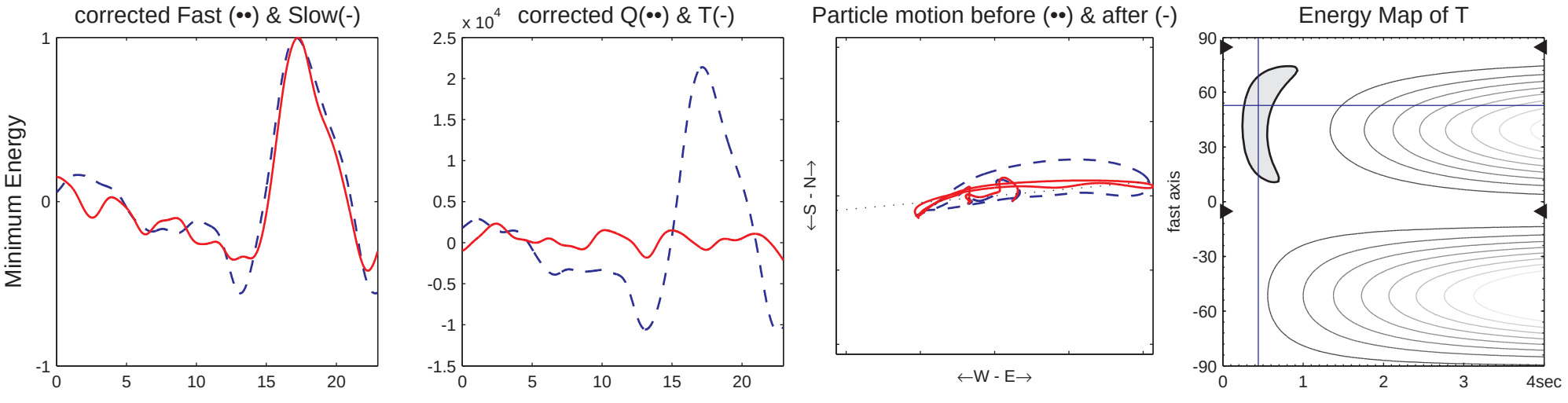
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **KARA** Backazimuth: **84.7”** Distance: **100.45”**
init.Pol.: **263.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.7**

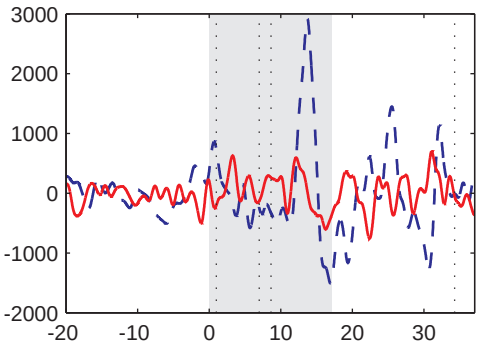
Rotation Correlation:	29<	39° <	51	0.1<0.3s<0.4
Minimum Energy:	11<	53° <	74	0.2<0.4s<0.9
Eigenvalue:	5<	49° <	72	0.2<0.4s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





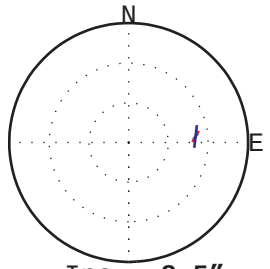




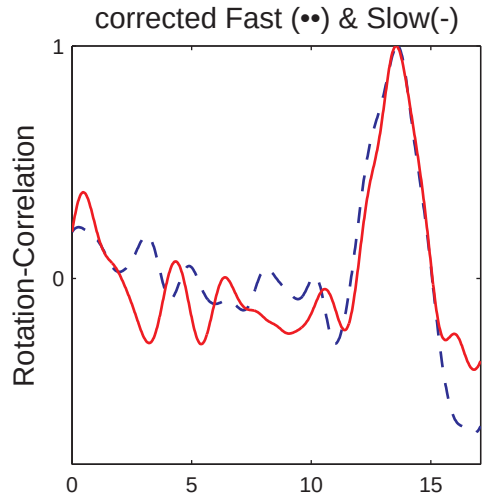
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **KARA** Backazimuth: **84.8”** Distance: **100.65”**
init.Pol.: **258.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.0**

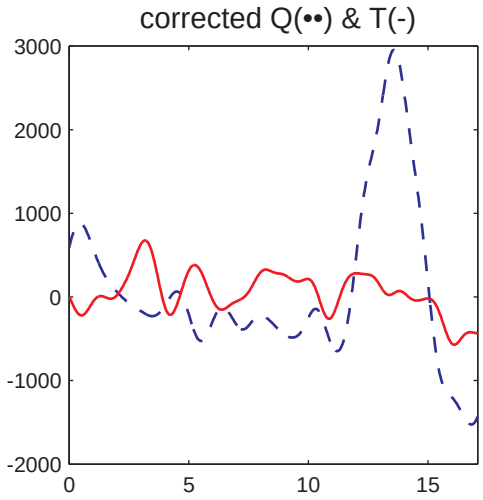
Rotation Correlation:	30<	37° <	45	0.1<0.3s<0.4
Minimum Energy:	5<	29° <	80	0.2<0.4s<2.0
Eigenvalue:	-7<	7° <	52	0.3<0.7s<1.4

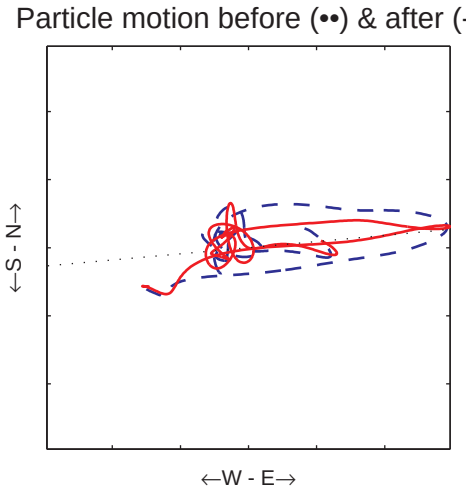
Quality: **fair** IsNull: **No** Phase: **SKS**

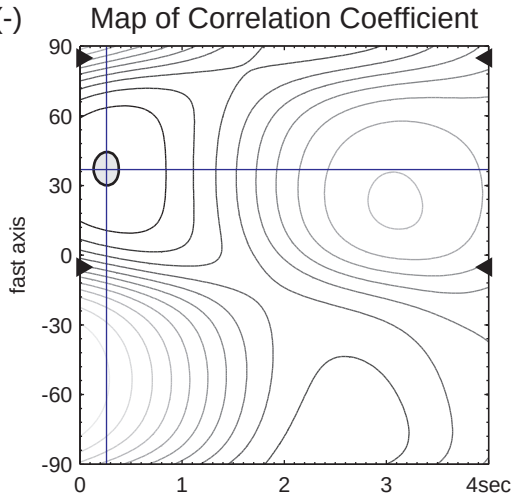


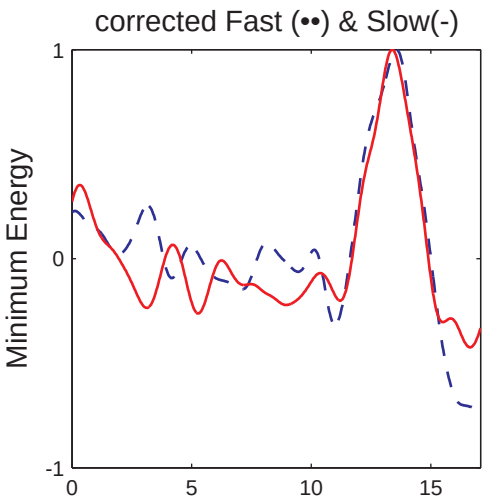
Inc = **8.5”**

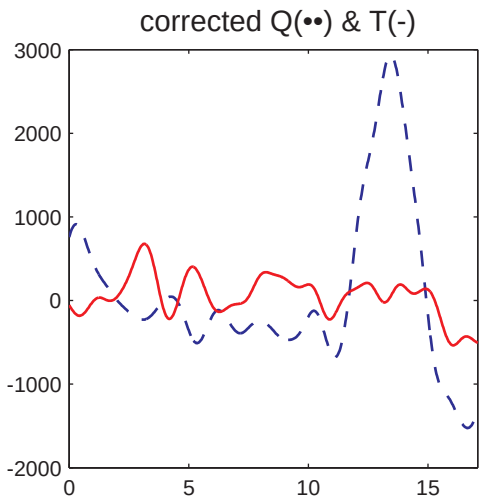


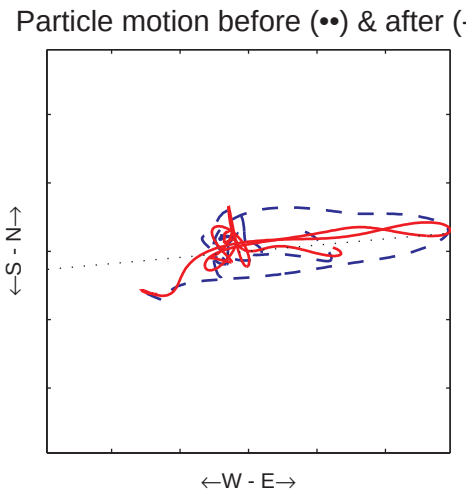


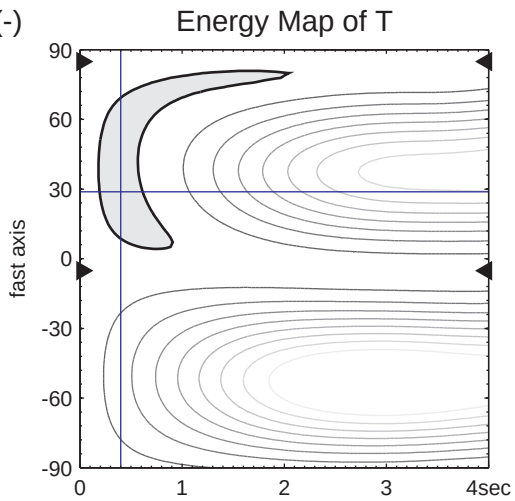


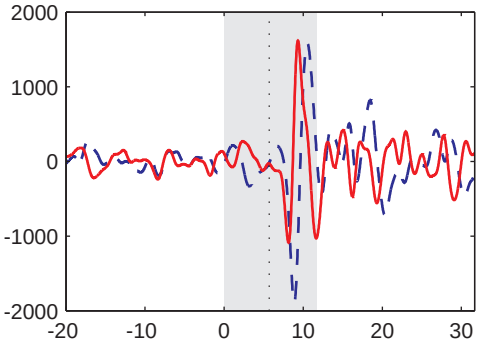








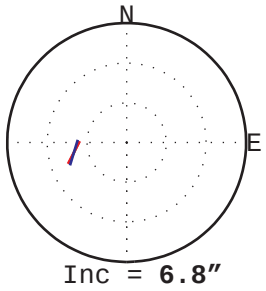


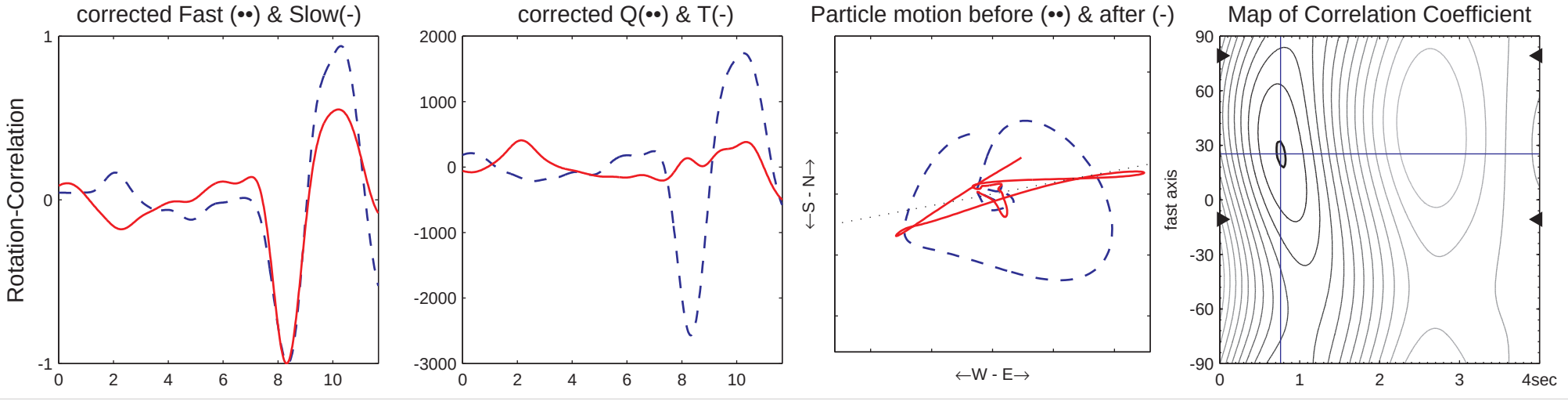


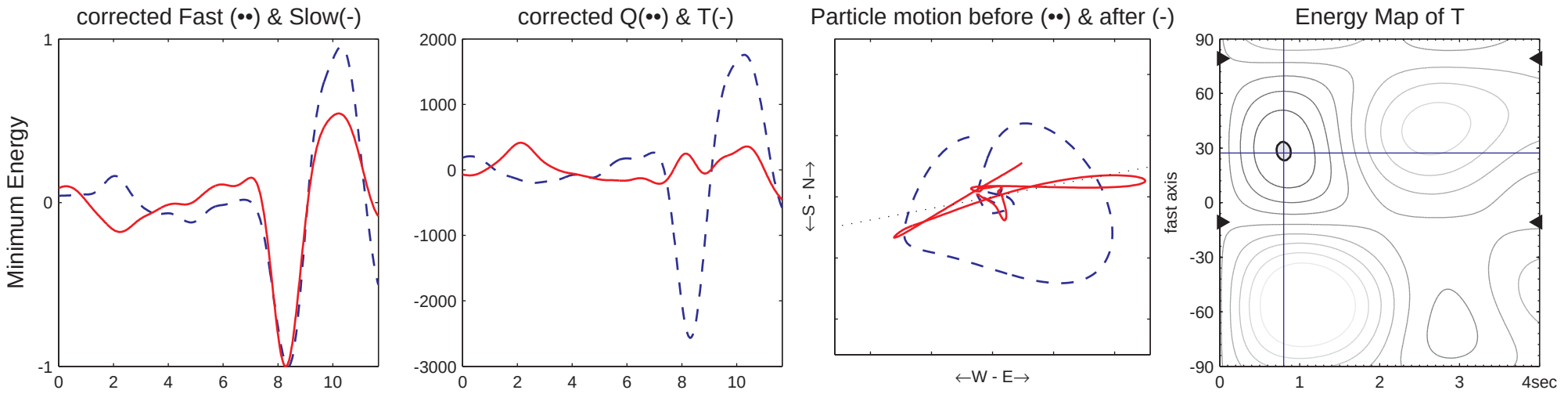
Event: **12-Jul-2010 (193) 00:11 -22.15N -68.22E 115km Mw=6.3**
Station: **KARA** Backazimuth: **259.2”** Distance: **113.42”**
init.Pol.: **69.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.7**

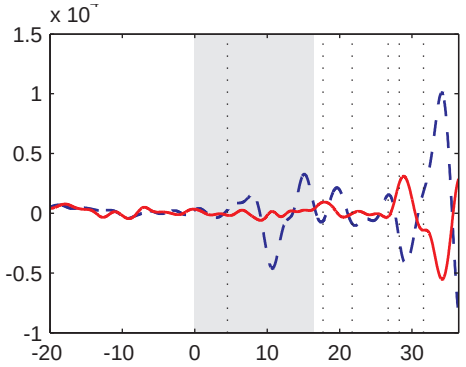
Rotation Correlation:	18<	25° <	32	0.7<0.8s<0.8
Minimum Energy:	23<	27° <	33	0.7<0.8s<0.9
Eigenvalue:	5<	17° <	31	0.7<0.8s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





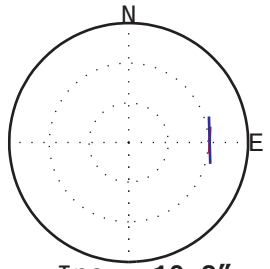




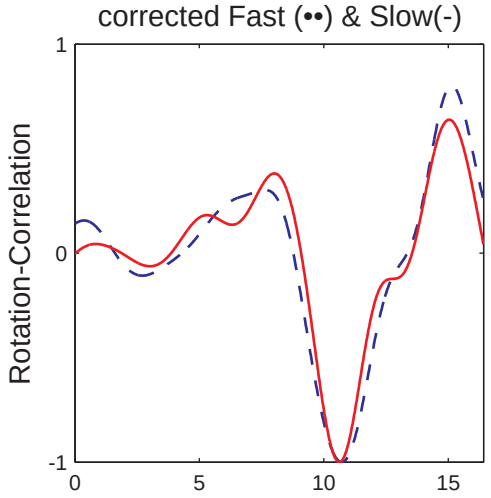
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **KARA** Backazimuth: **88.3”** Distance: **90.17”**
init.Pol.: **263.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.7**

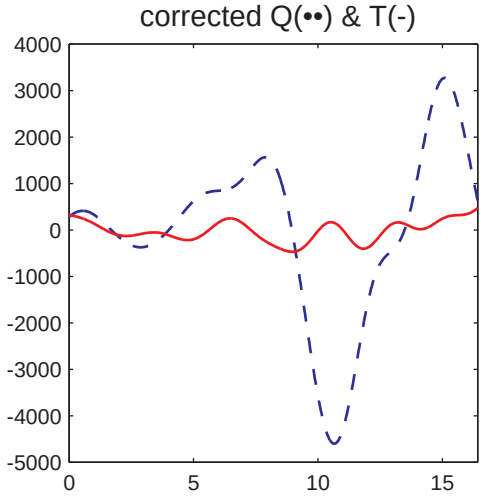
Rotation Correlation:	33<	41° <	51	0.0<0.1s<0.2
Minimum Energy:	-1<	2° <	-92	0.0<0.8s<2.0
Eigenvalue:	-7<	-2° <	-1	1.0<1.5s<2.2

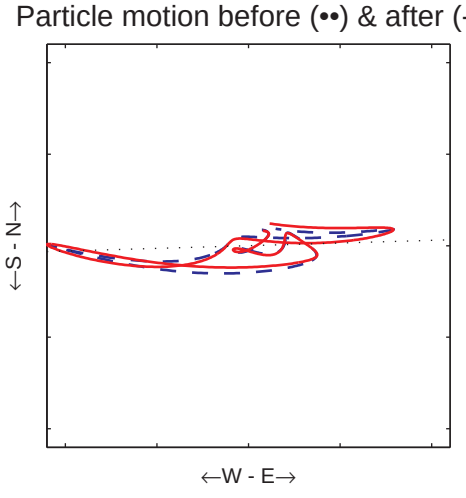
Quality: **good** IsNull: **Yes** Phase: **SKS**

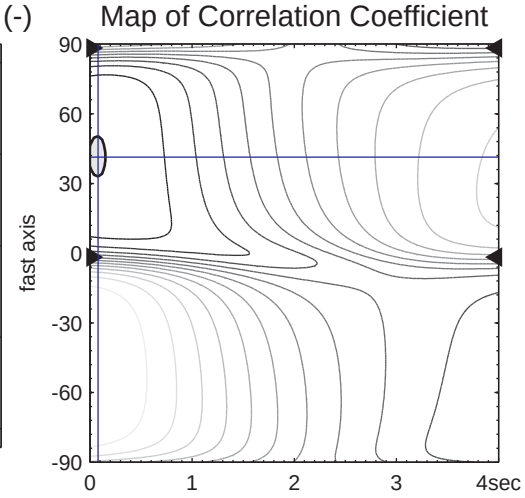


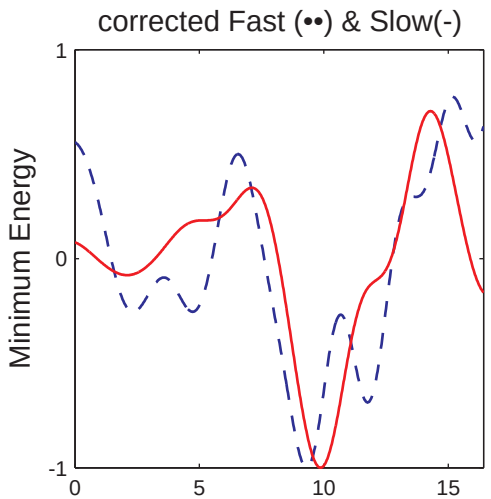
Inc = **10.2”**

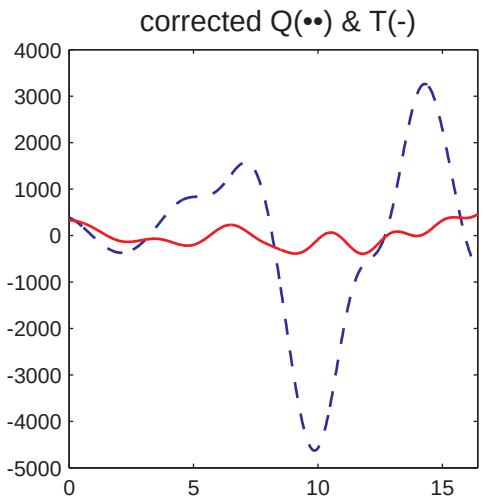


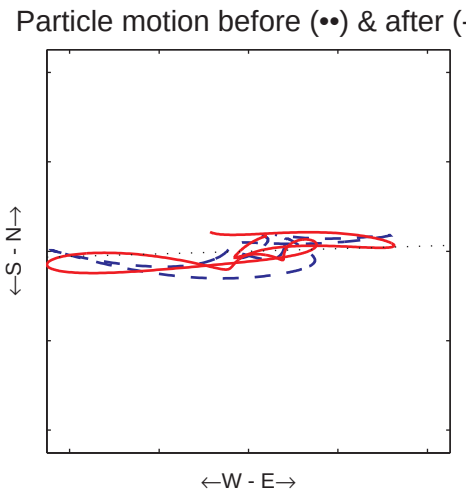


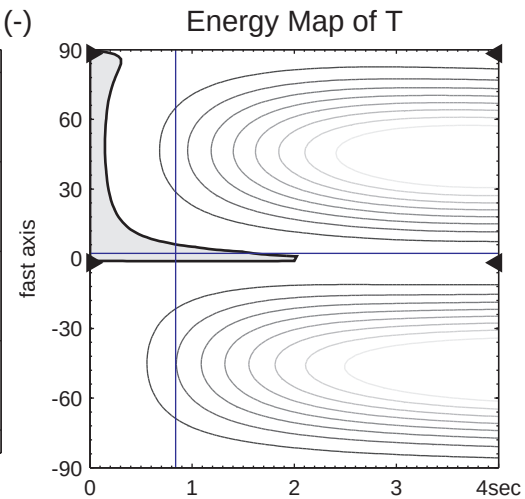


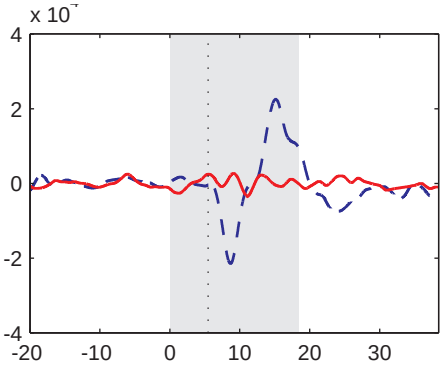








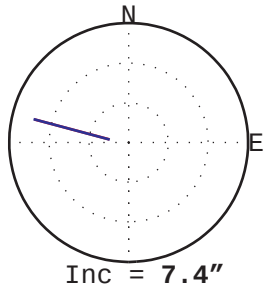


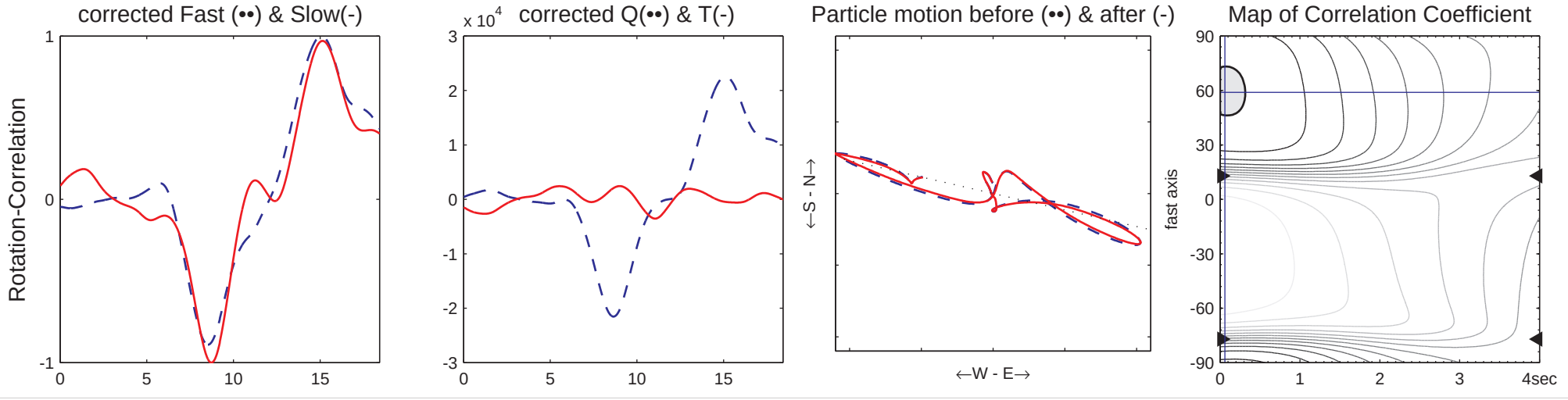


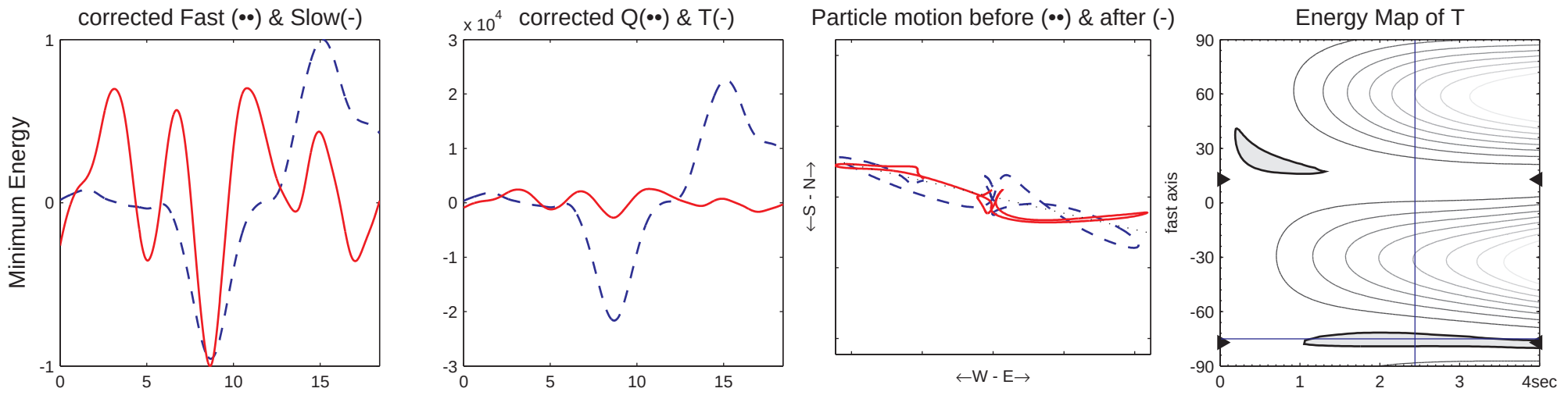
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **KARA** Backazimuth: **283.0”** Distance: **108.43”**
init.Pol.: **102.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.5**

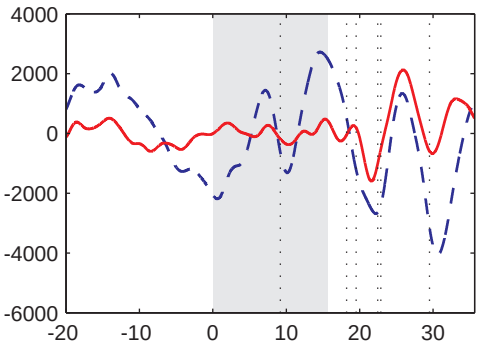
Rotation Correlation:	46<	59° <	73	0.0<0.1s<0.3
Minimum Energy:	-82<	-75° <	-74	1.0<2.4s<4.0
Eigenvalue:	-82<	-75° <	-74	1.1<2.5s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





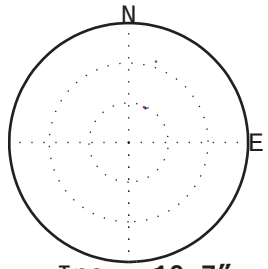




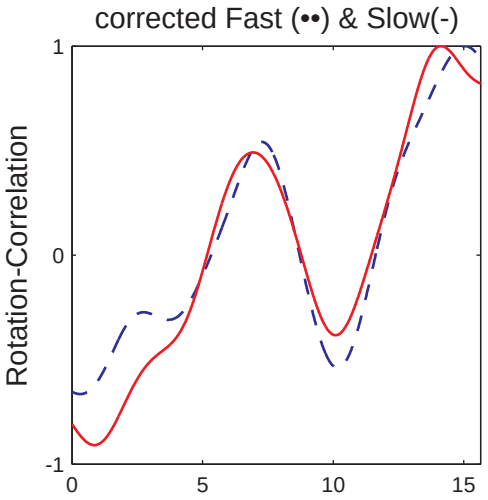
Event: **03-Sep-2010 (246) 11:16 51.45N -175.87E 23km Mw=6.5**
Station: **KARA** Backazimuth: **18.7”** Distance: **87.25”**
init.Pol.: **195.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.7**

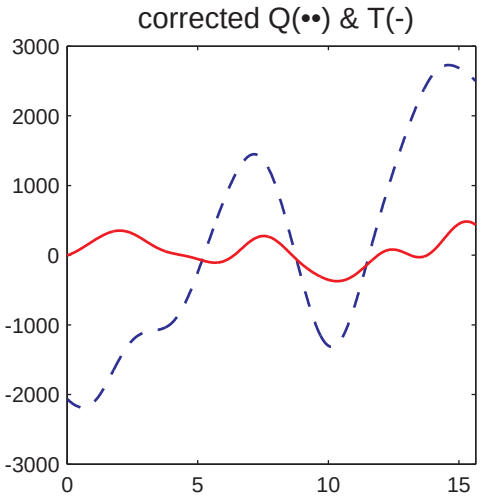
Rotation Correlation:	-39<	-28° < -20	0.0<0.0s<0.0
Minimum Energy:	13<	15° < 17	2.4<3.0s<3.5
Eigenvalue:	11<	13° < 15	2.5<3.0s<3.5

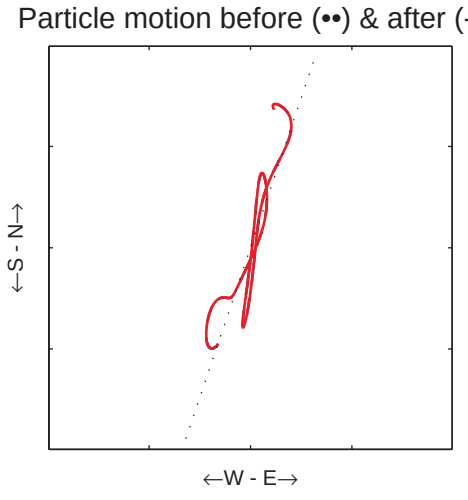
Quality: **good** IsNull: **Yes** Phase: **SKS**

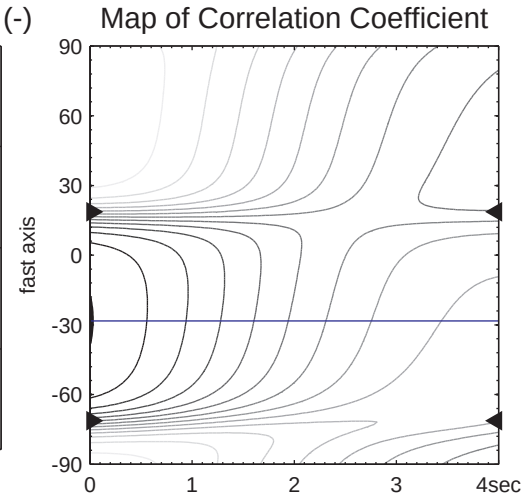


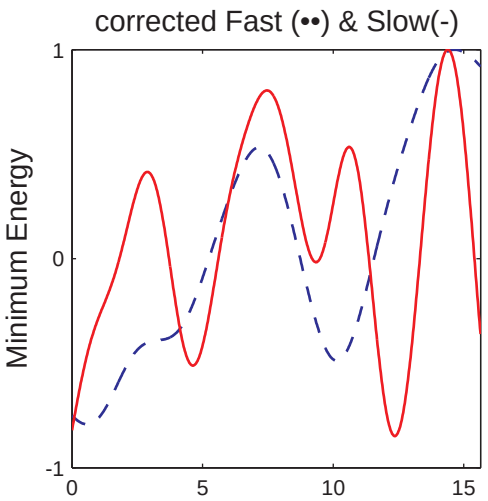
Inc = **10.7”**

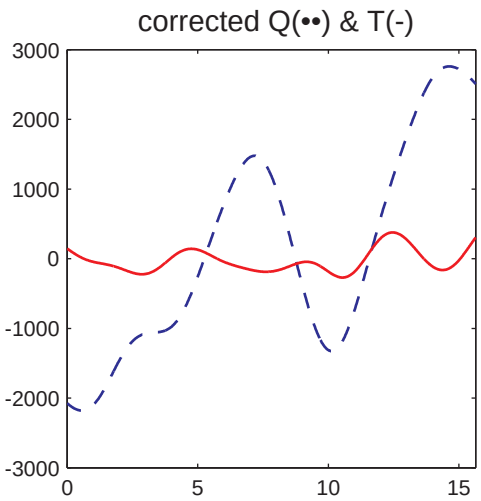


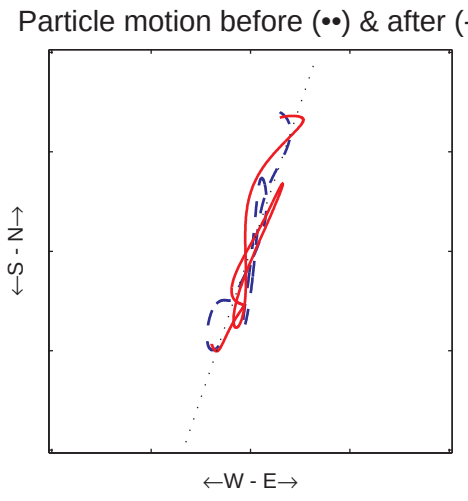


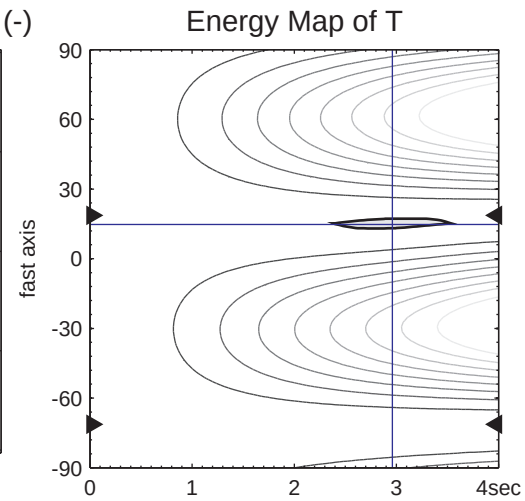


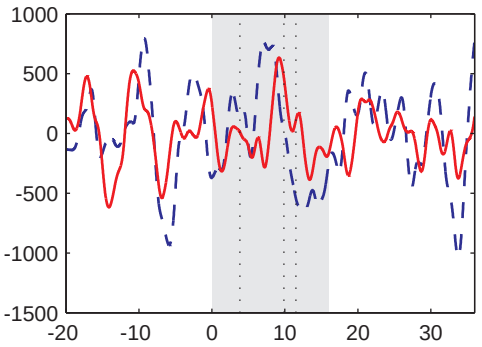








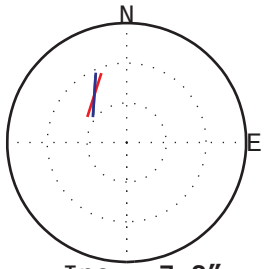


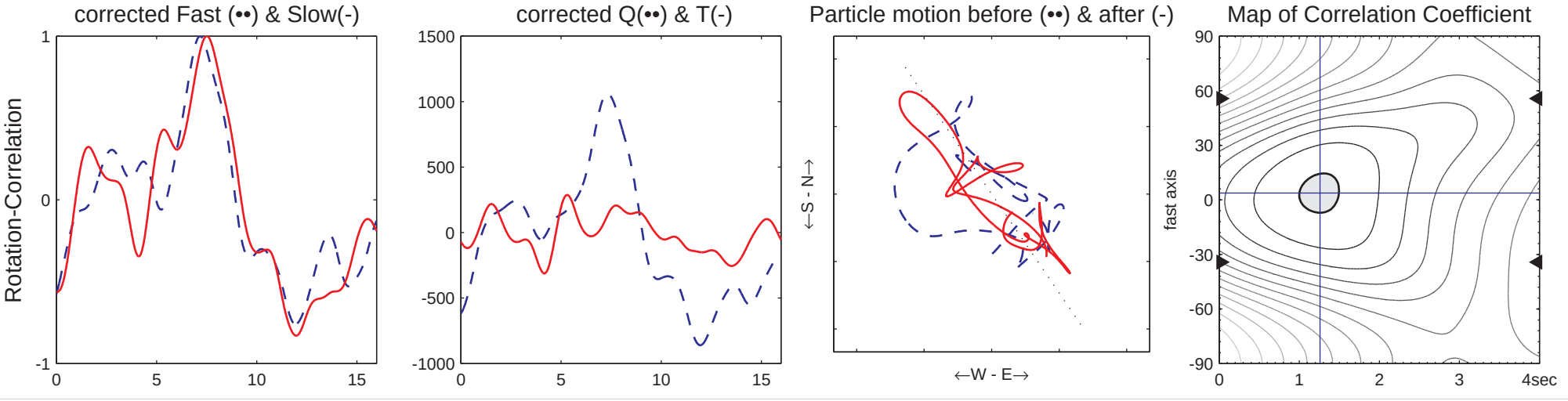


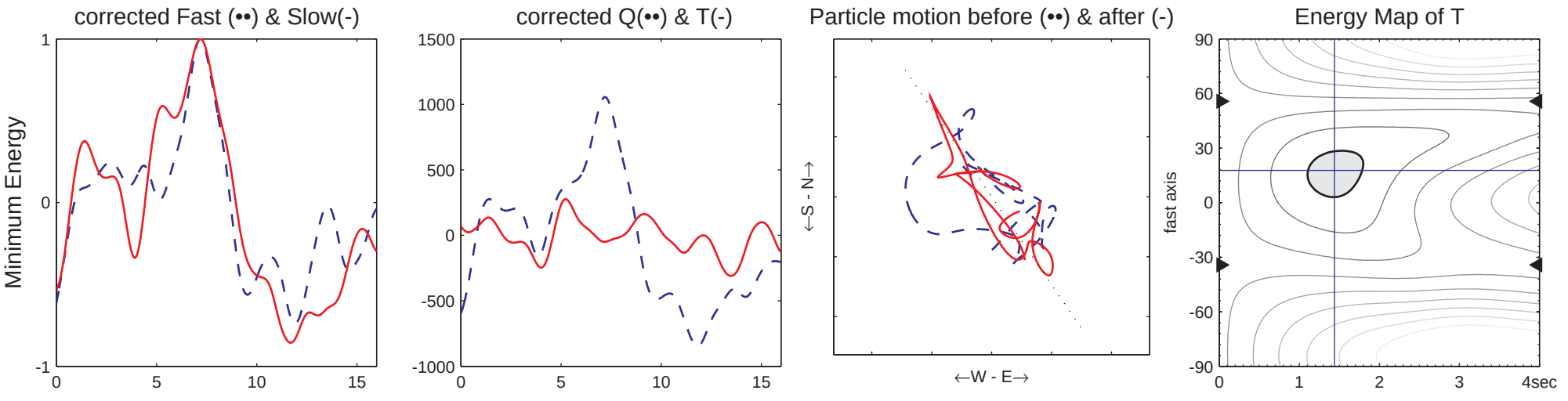
Event: **21-Oct-2010 (294) 17:53 24.70N -109.16E 13km Mw=6.7**
Station: **KARA** Backazimuth: **325.7”** Distance: **109.49”**
init.Pol.: **135.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

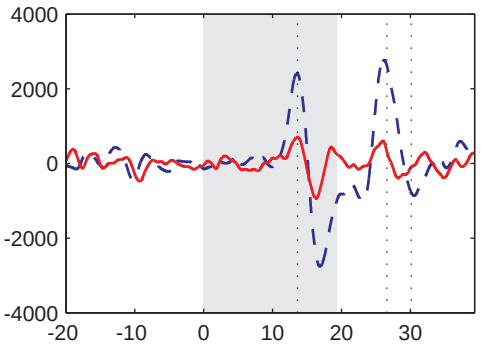
Rotation Correlation:	-8<	4° < 15	1.0<1.3s<1.5
Minimum Energy:	3<	18° < 29	1.1<1.4s<1.8
Eigenvalue:	-17<	4° < 19	1.1<1.4s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





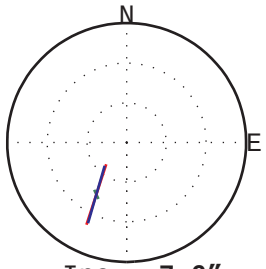




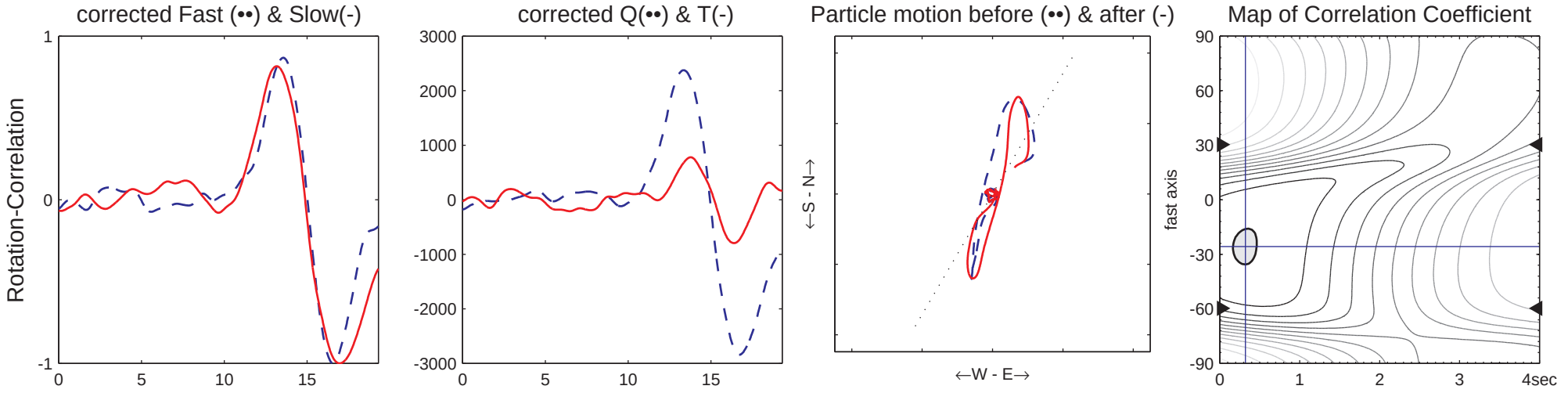
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **KARA** Backazimuth: **210.3”** Distance: **106.83”**
init.Pol.: **26.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.9**

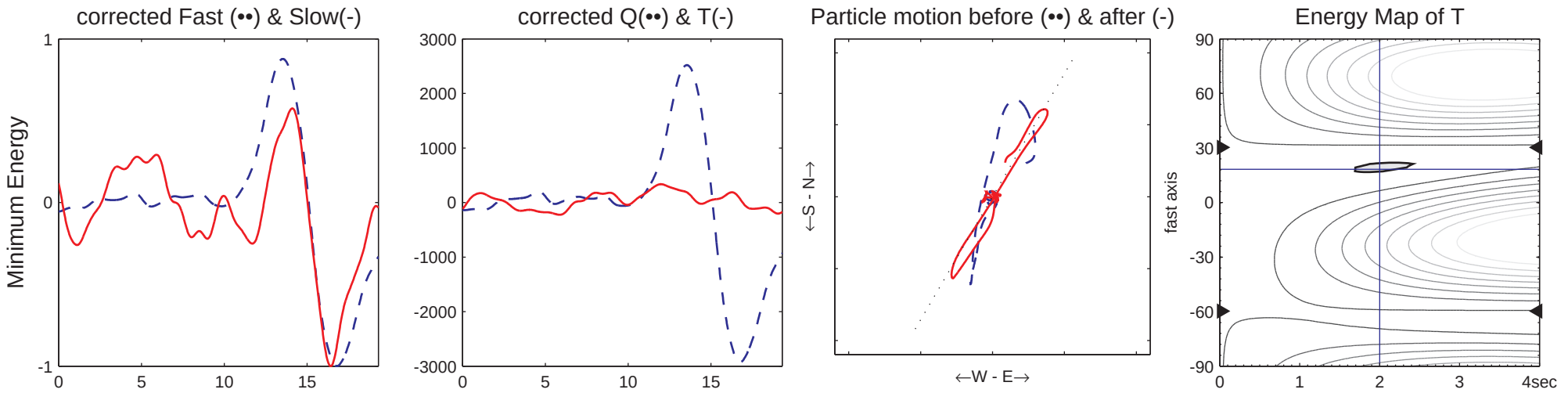
Rotation Correlation:	-37<	-26° <	-17 0.2<0.3s<0.5
Minimum Energy:	17<	18° <	21 1.7<2.0s<2.4
Eigenvalue:	13<	16° <	19 1.4<1.9s<2.2

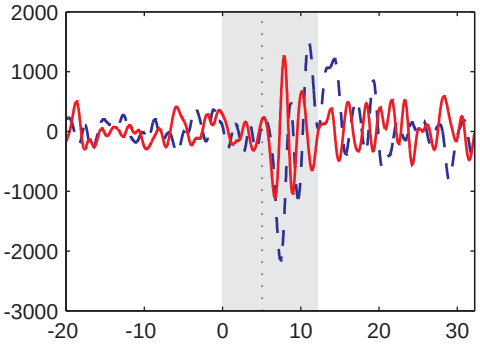
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.6”**



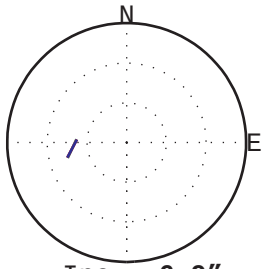




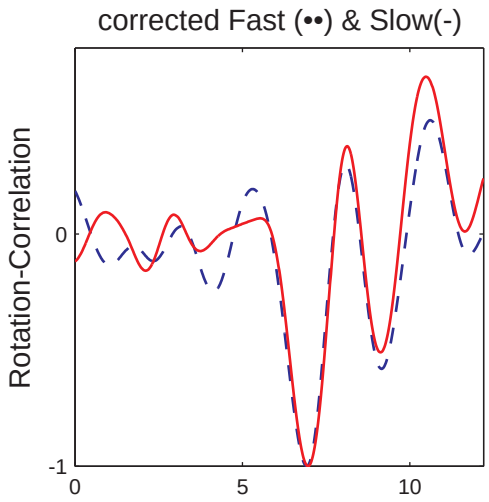
Event: **06-Mar-2011 (065) 12:31 -18.02N -69.36E 118km** Mw=**6.3**
Station: **KARA** Backazimuth: **263.6”** Distance: **112.07”**
init.Pol.: **83.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.2**

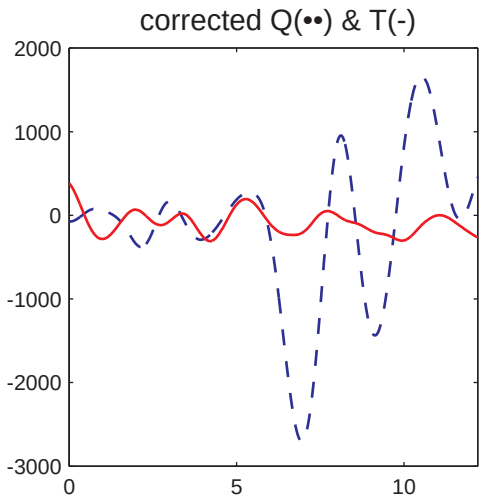
Rotation Correlation:	17<	25° <	38	0.6<0.7s<0.8
Minimum Energy:	19<	28° <	35	0.5<0.6s<0.8
Eigenvalue:	17<	28° <	37	0.6<0.6s<0.8

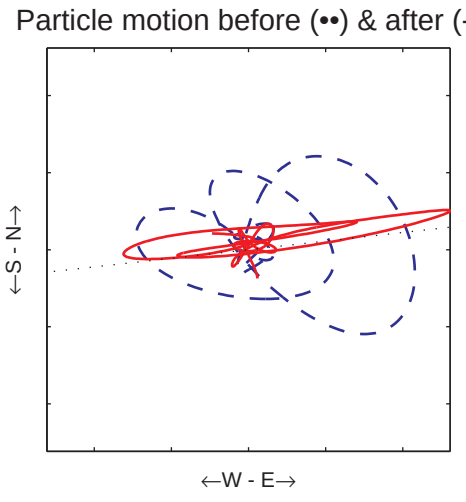
Quality: **good** IsNull: **No** Phase: **SKS**

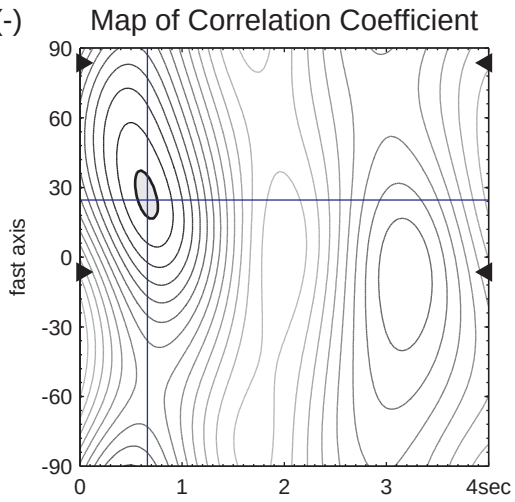


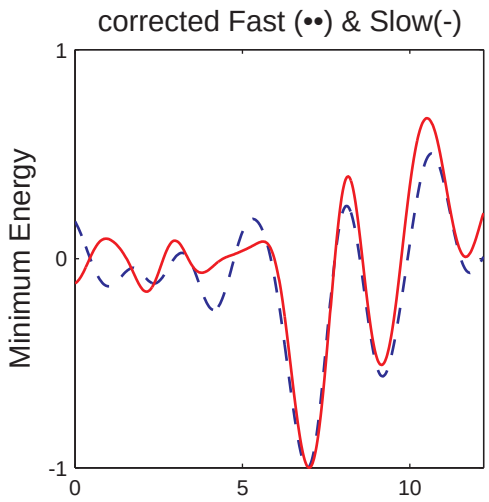
Inc = **6.9”**

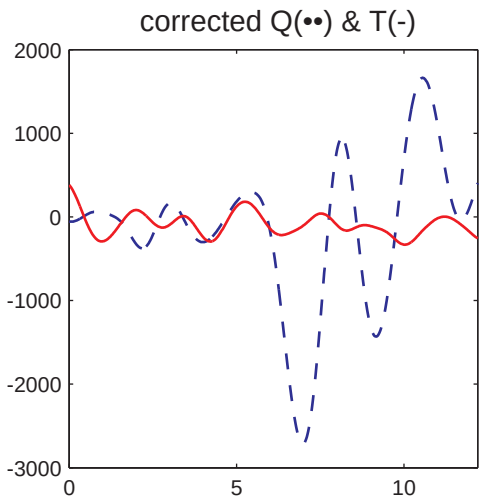


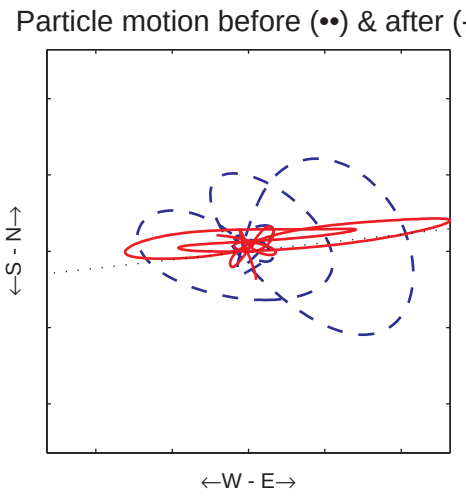


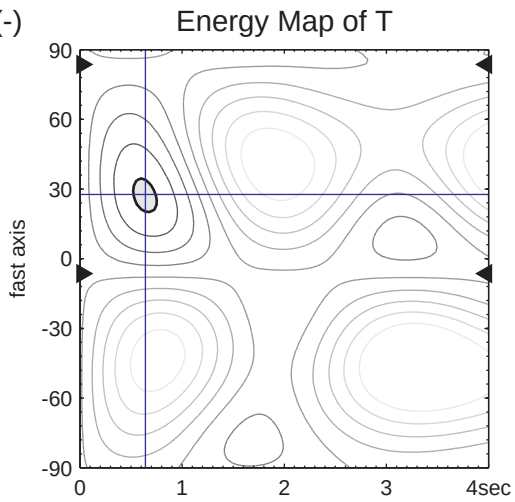


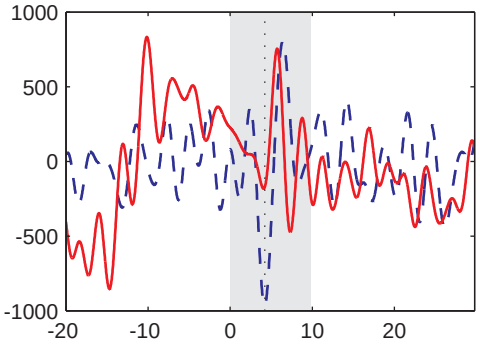








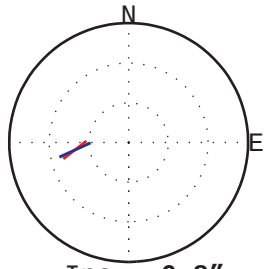




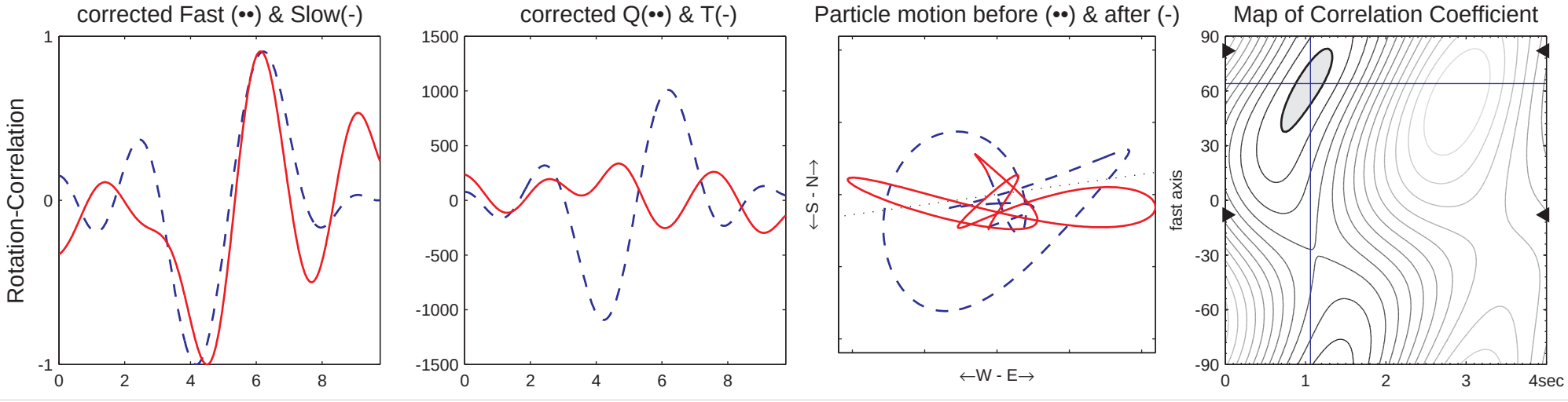
Event: **02-Apr-2011 (092) 10:59 -19.58N -69.06E 84km Mw=5.9**
Station: **KARA** Backazimuth: **262.1”** Distance: **112.69”**
init.Pol.: **95.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

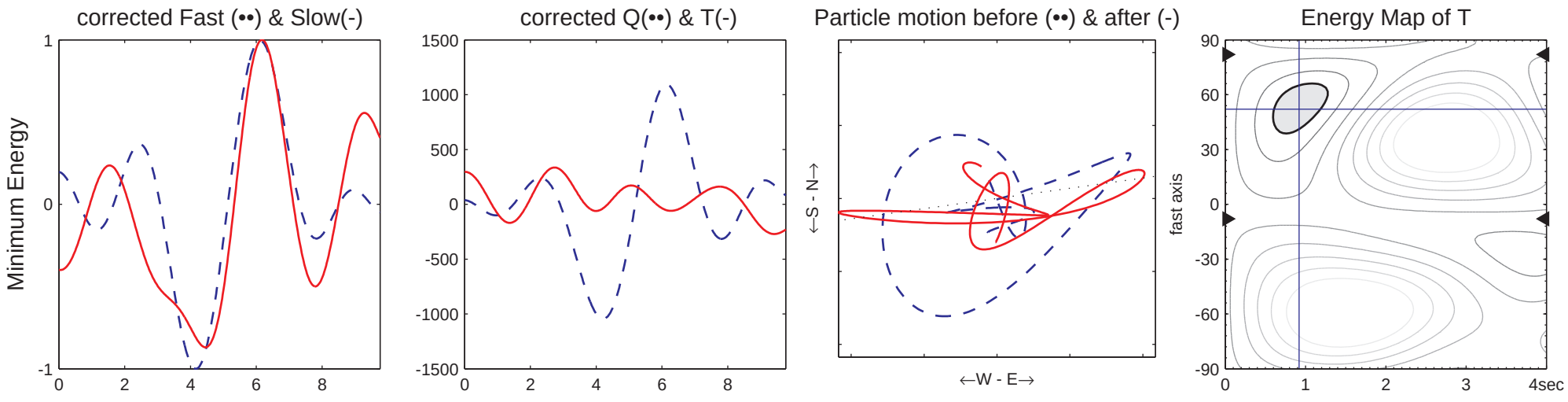
Rotation Correlation:	38<	64° <	83	0.7<1.1s<1.3
Minimum Energy:	39<	52° <	66	0.6<0.9s<1.3
Eigenvalue:	35<	66° <	88	0.6<1.1s<1.4

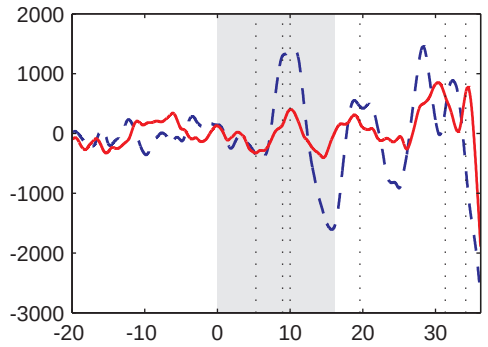
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



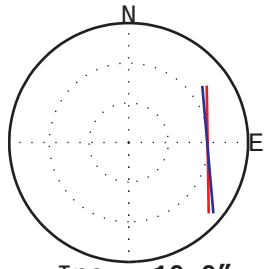


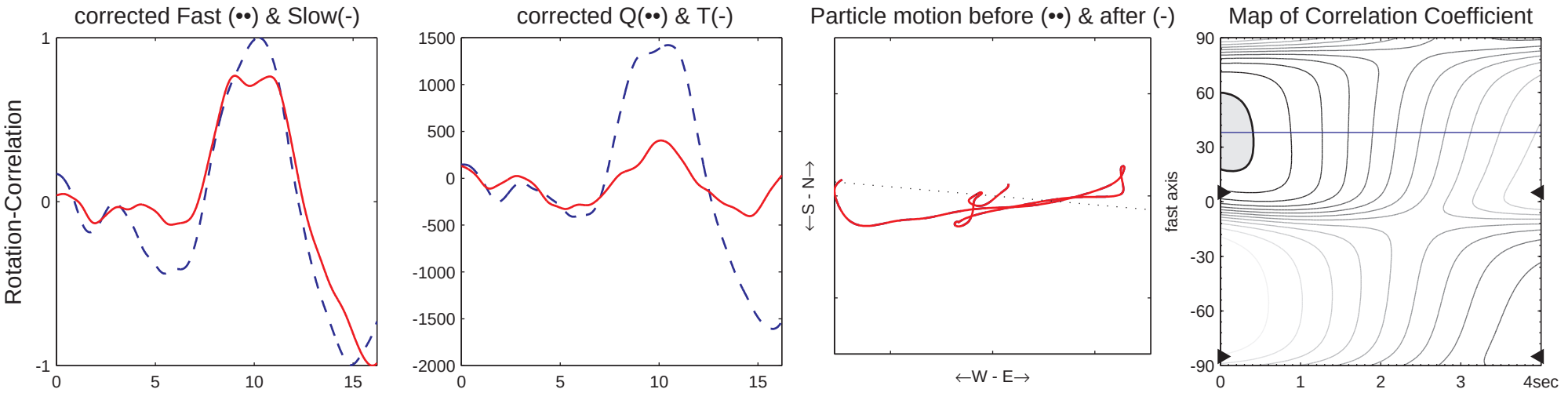


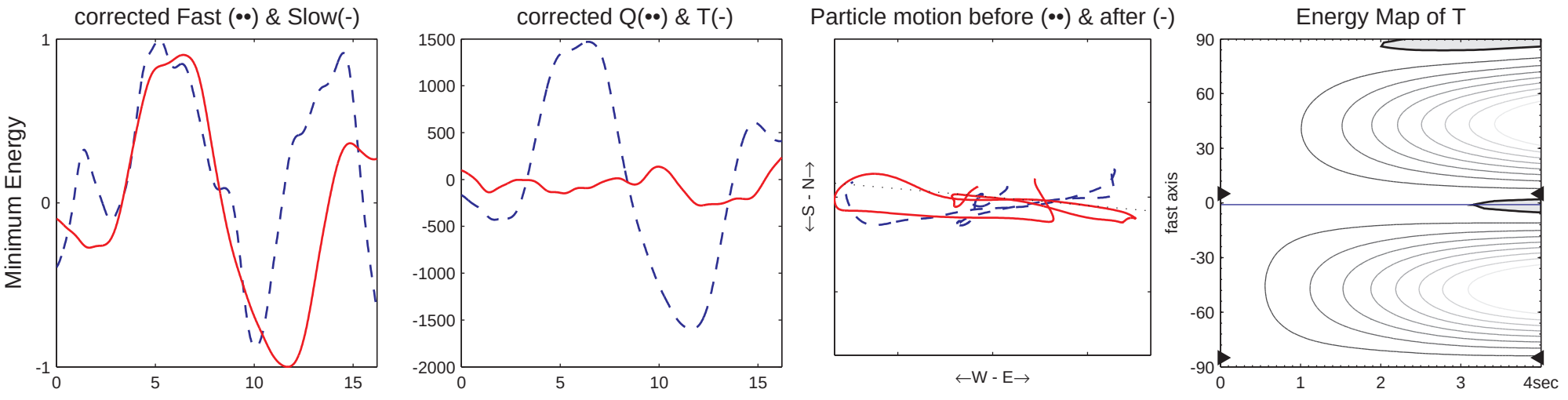
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **KARA** Backazimuth: **95.0”** Distance: **90.96”**
init.Pol.: **268.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.0**

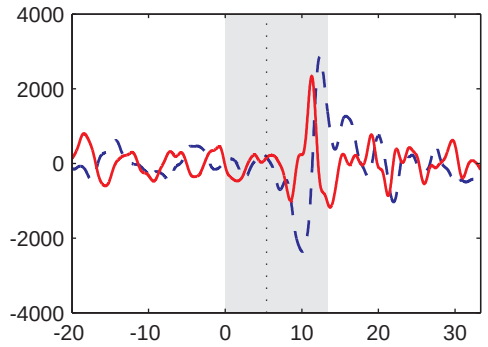
Rotation Correlation:	17<	38° <	60	0.0<0.0s<0.4
Minimum Energy:	-7<	-1° <	-1	3.2<4.0s<4.0
Eigenvalue:	-Inf<	-5° <	Inf	0.0<4.0s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





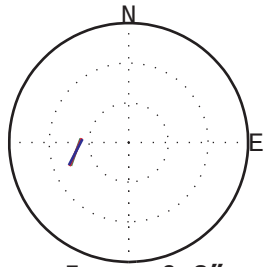


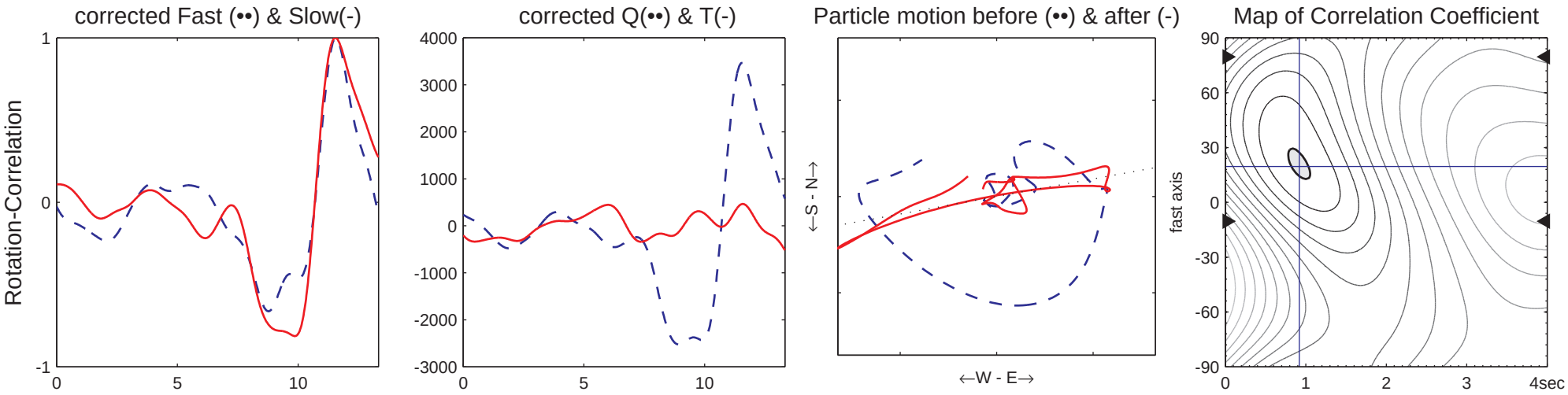


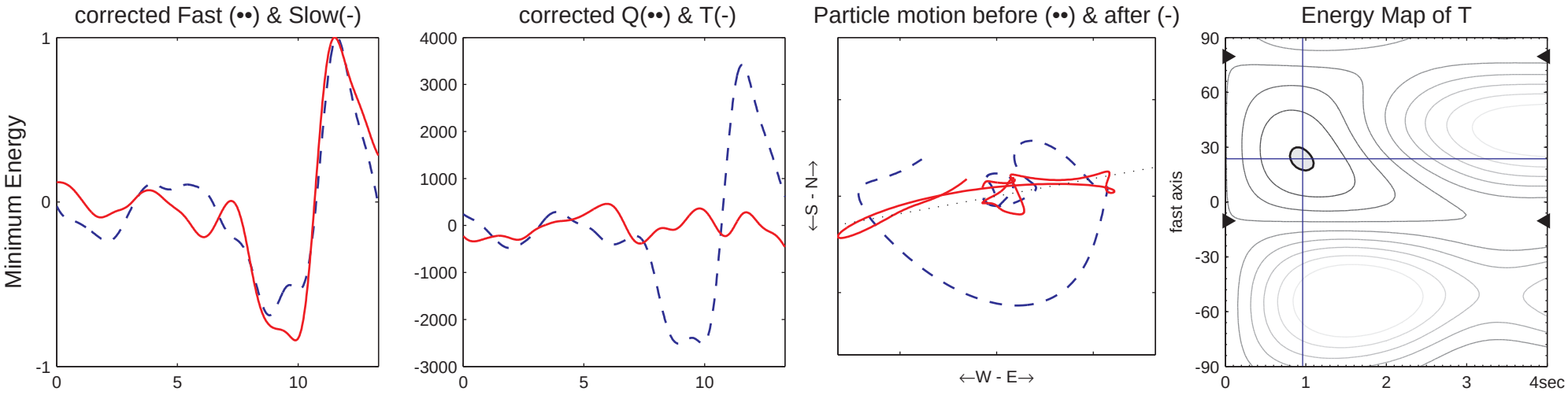
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **KARA** Backazimuth: **259.7”** Distance: **113.19”**
init.Pol.: **82.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.2**

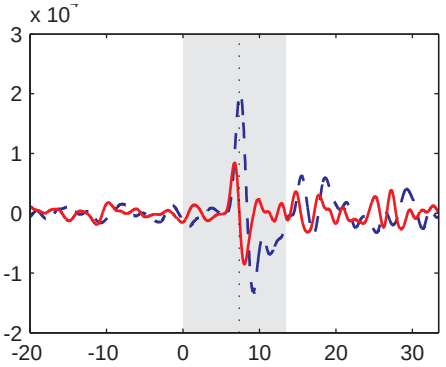
Rotation Correlation:	13<	20° <	30	0.8<0.9s<1.0
Minimum Energy:	17<	24° <	29	0.8<1.0s<1.1
Eigenvalue:	15<	28° <	39	0.8<0.9s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





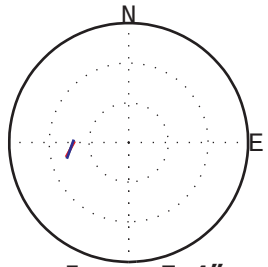


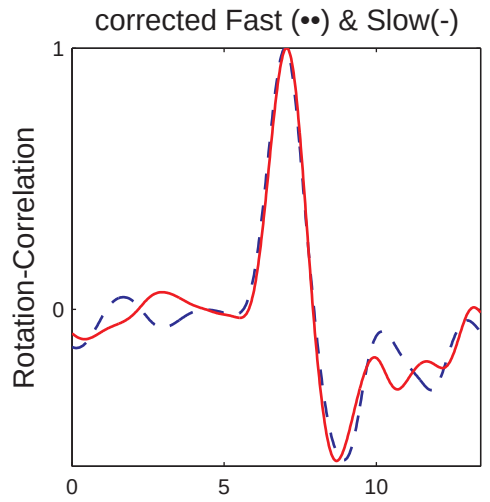


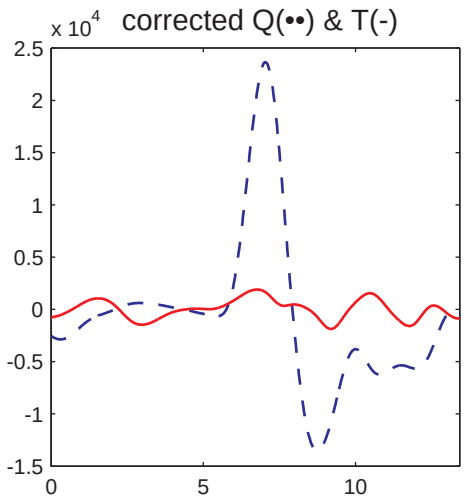
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **KARA** Backazimuth: **263.5”** Distance: **107.19”**
init.Pol.: **77.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**13.3**

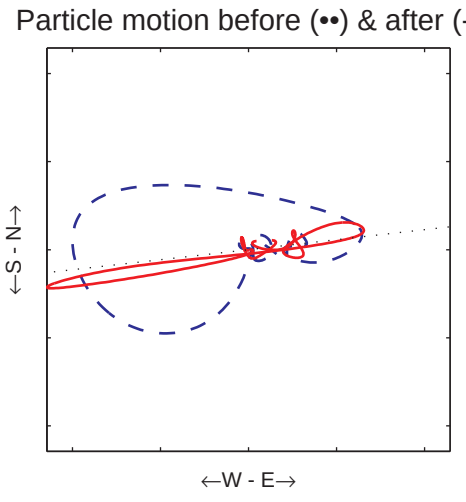
Rotation Correlation:	19<	25° <	34	0.5<0.6s<0.7
Minimum Energy:	23<	30° <	35	0.5<0.6s<0.7
Eigenvalue:	13<	20° <	29	0.6<0.6s<0.7

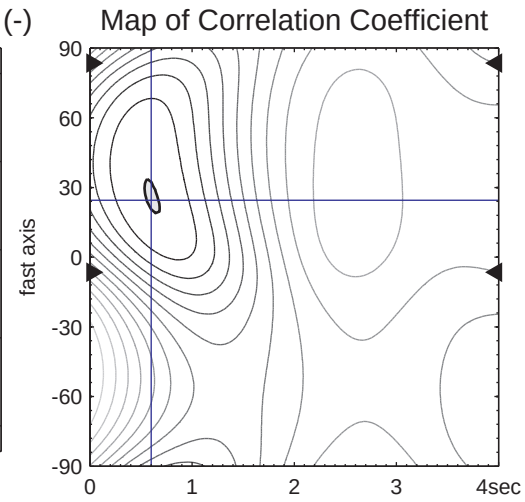
Quality: **good** IsNull: **No** Phase: **SKS**

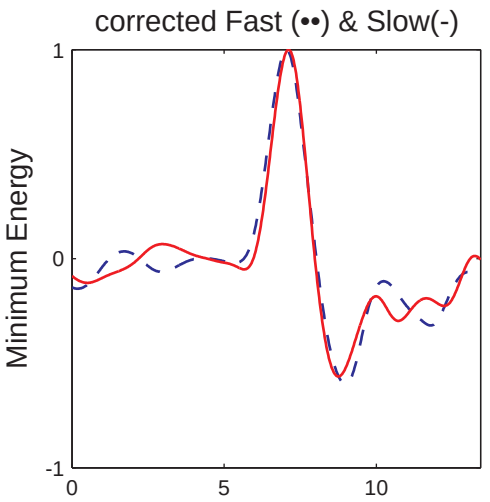


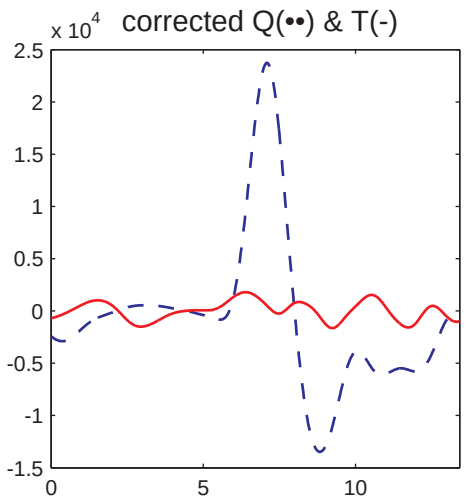


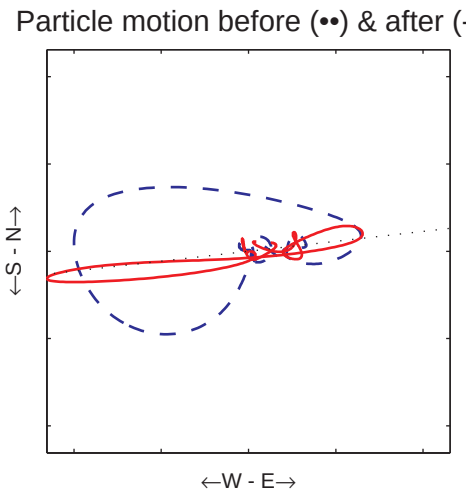


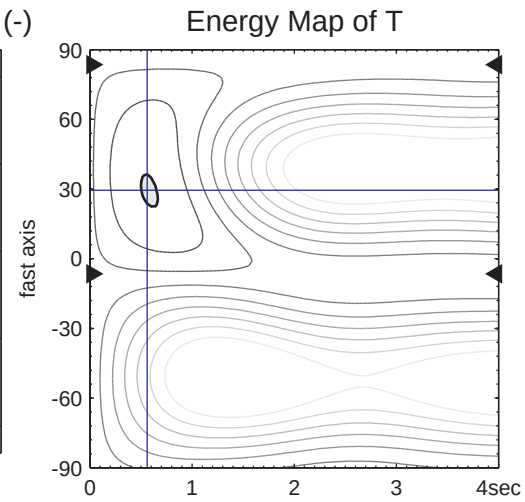


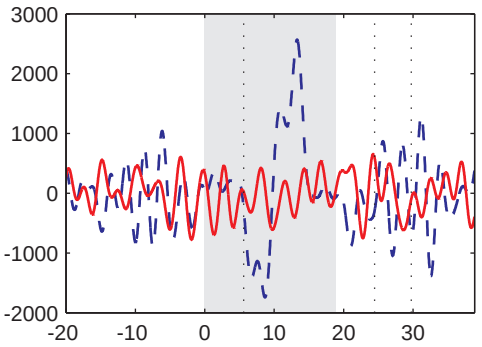








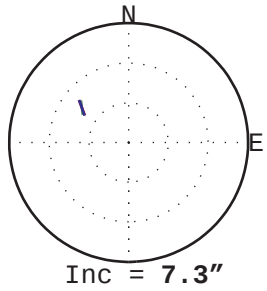


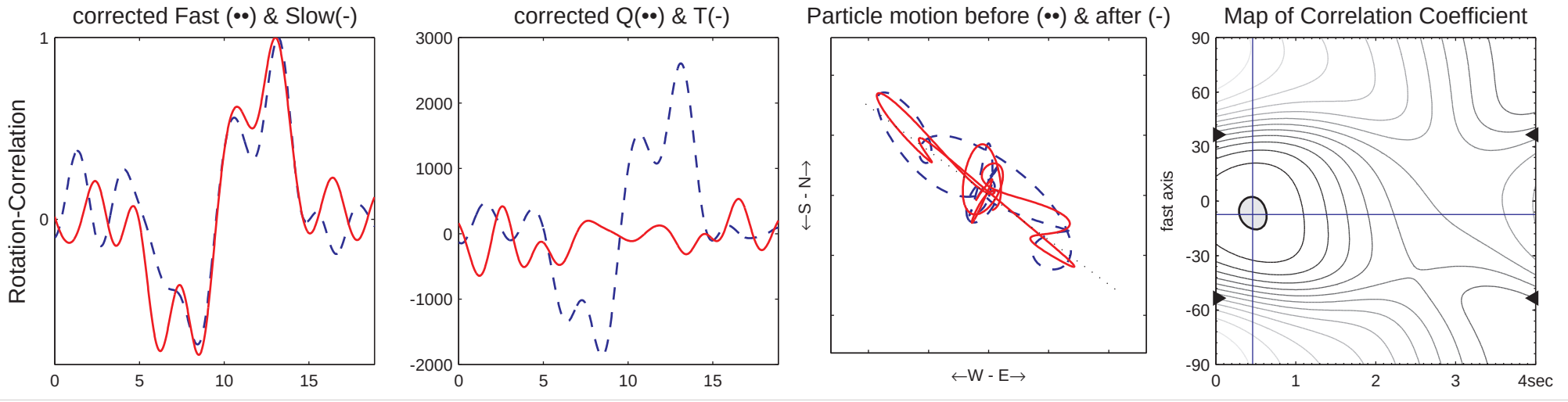


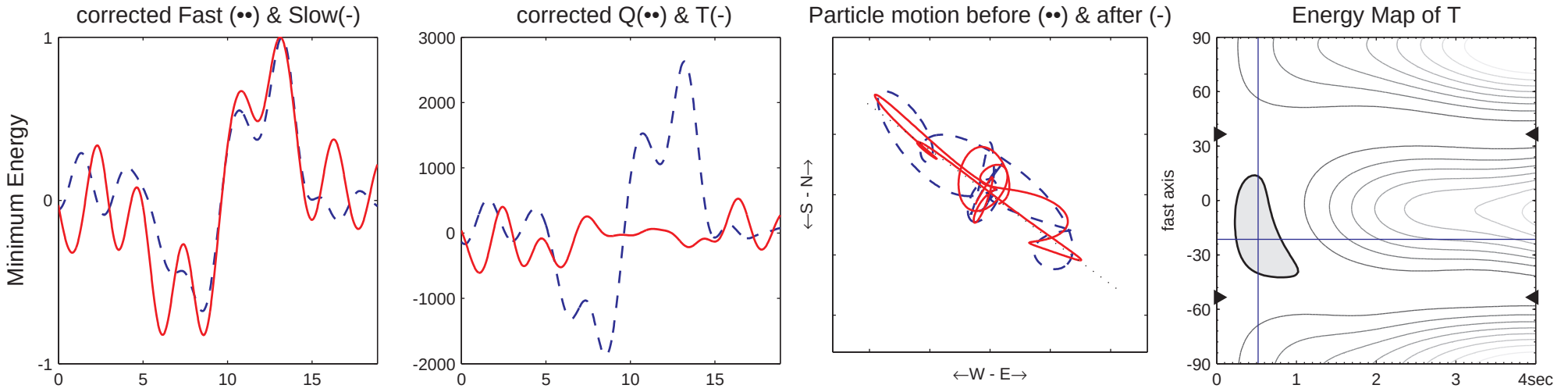
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **KARA** Backazimuth: **306.6”** Distance: **108.59”**
init.Pol.: **127.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

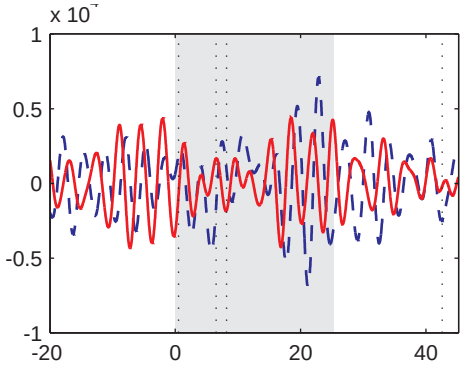
Rotation Correlation:	-17<	-7° <	2	0.3<0.5s<0.6
Minimum Energy:	-43<	-21° <	11	0.2<0.5s<1.0
Eigenvalue:	-43<	-19° <	15	0.2<0.5s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





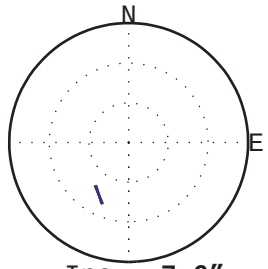


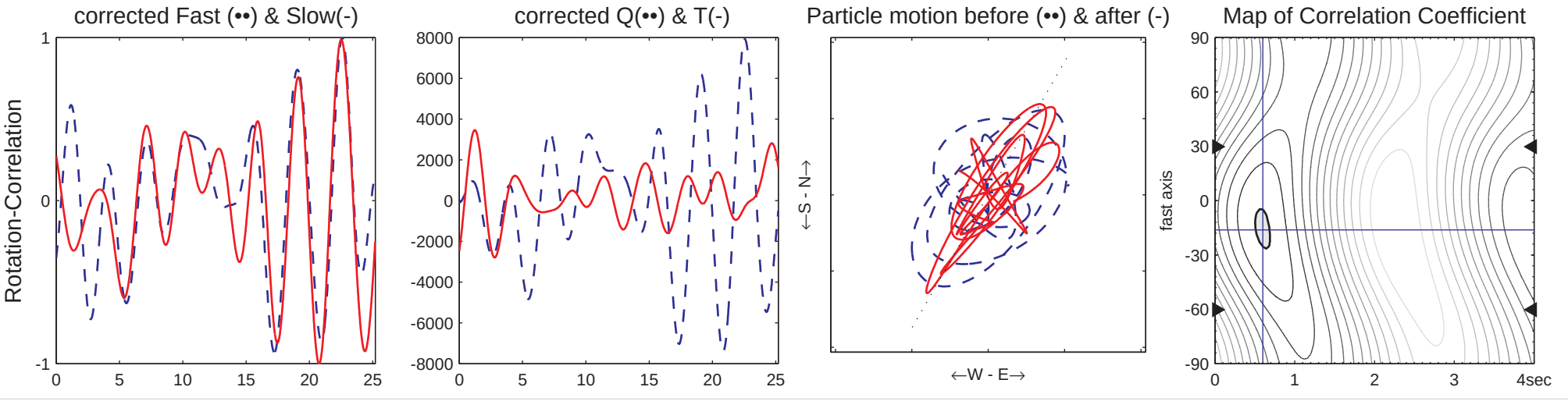


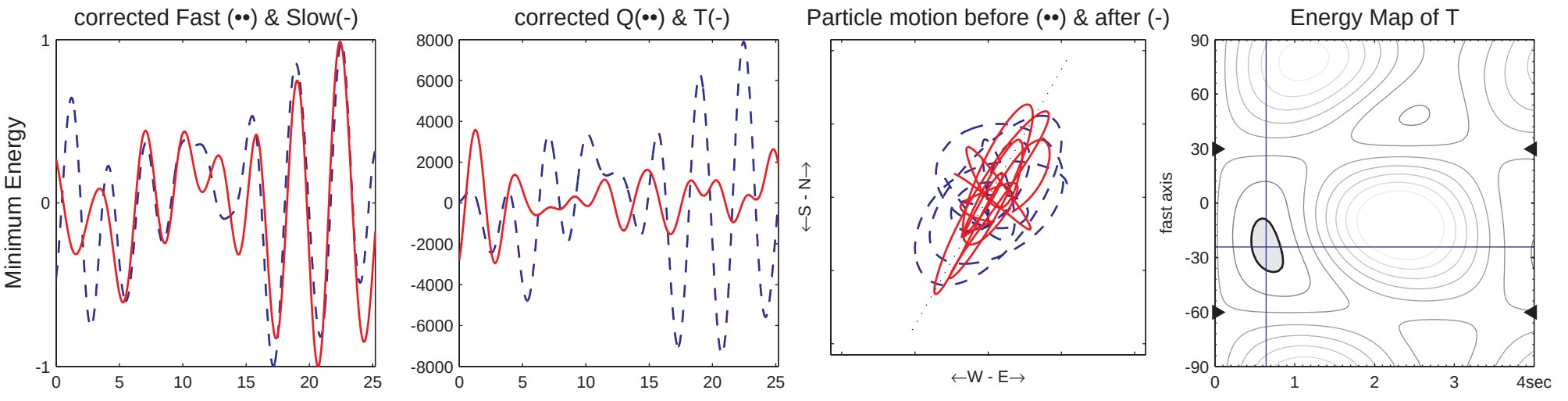
Event: **22-Jan-2012 (022) 05:53 -56.76N -25.15E 13km Mw=6.0**
Station: **KARA** Backazimuth: **209.8”** Distance: **106.83”**
init.Pol.: **31.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

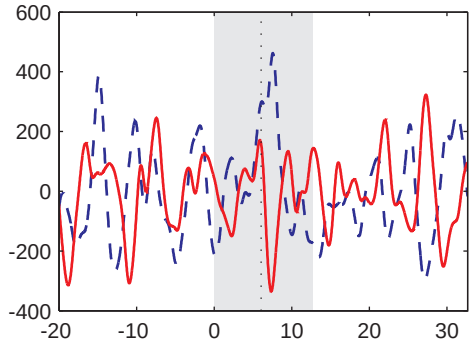
Rotation Correlation:	-28<	-16° <	-6 0.5<0.6s<0.7
Minimum Energy:	-39<	-24° <	-11 0.4<0.6s<0.8
Eigenvalue:	-54<	-20° <	17 0.4<0.6s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





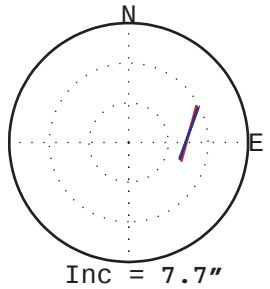


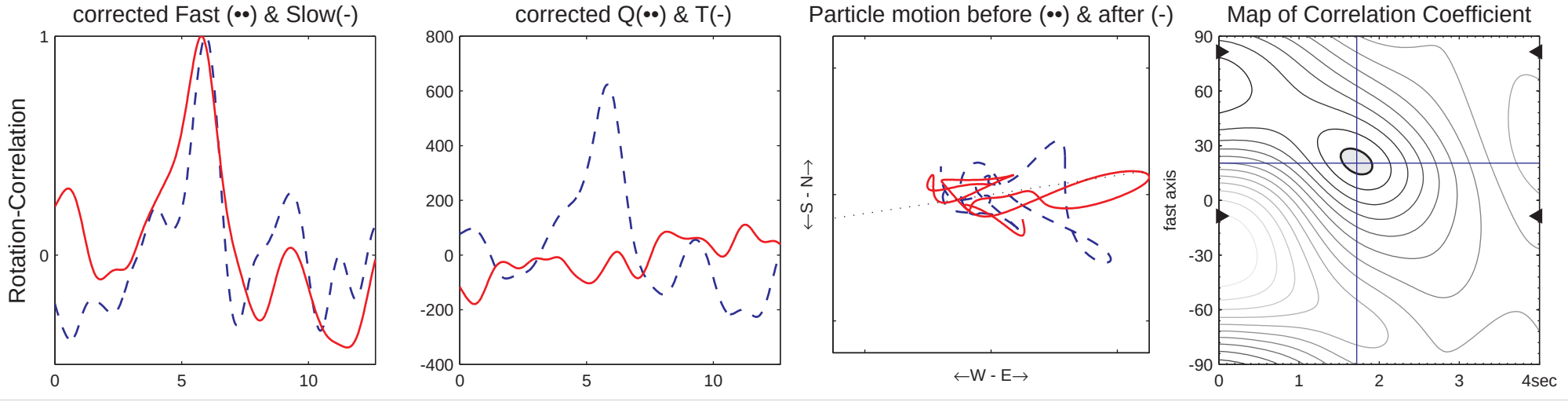


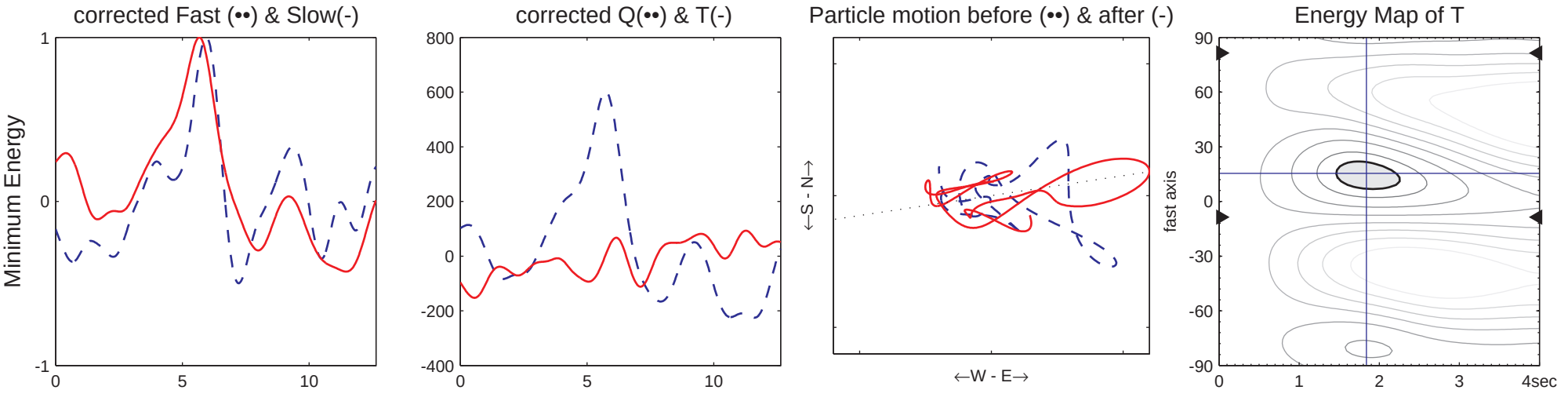
Event: **17-Jan-2007 (017) 04:28 -3.32N 139.83E 100km Mw=6.0**
Station: **KDHN** Backazimuth: **81.4”** Distance: **105.89”**
init.Pol.: **269.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

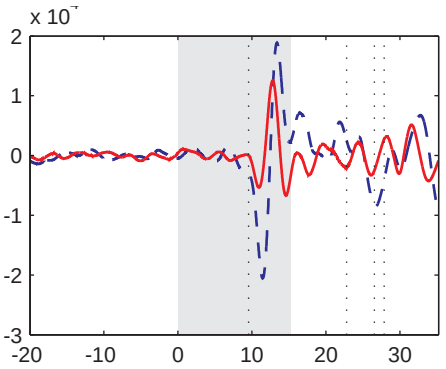
Rotation Correlation:	15<	20° <	29	1.5<1.7s<1.9
Minimum Energy:	7<	15° <	21	1.5<1.8s<2.2
Eigenvalue:	9<	19° <	31	1.4<1.8s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





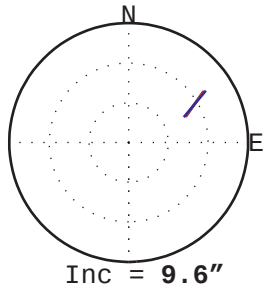


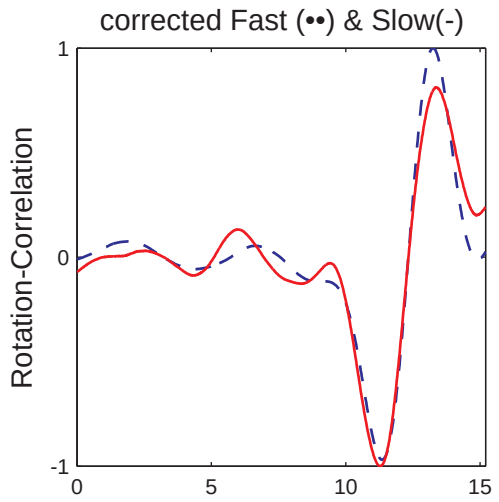


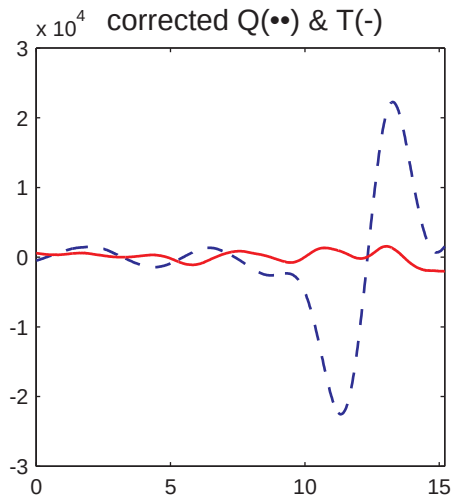
Event: **30-Jan-2007 (030) 21:37 20.99N 144.70E 30km Mw=6.6**
Station: **KDHN** Backazimuth: **59.7”** Distance: **93.29”**
init.Pol.: **243.9”** Filter: **0.000Hz - InfHz** SNR_{SC}:**14.3**

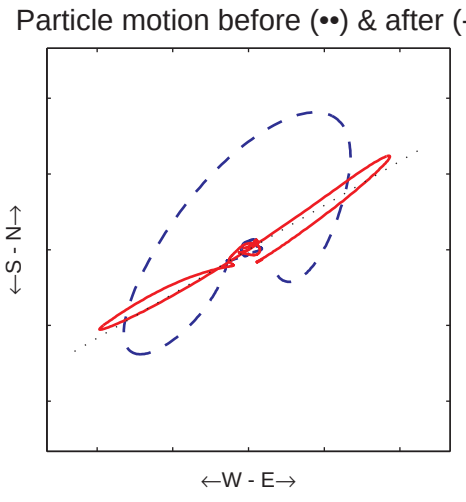
Rotation Correlation:	31<	35° <	40	0.9<1.0s<1.0
Minimum Energy:	33<	36° <	37	0.9<1.0s<1.1
Eigenvalue:	35<	40° <	43	1.0<1.1s<1.2

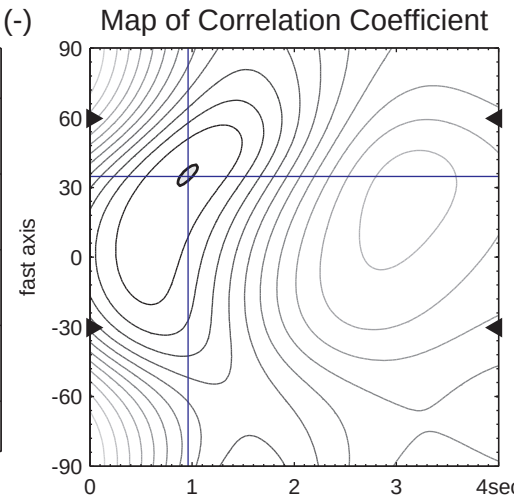
Quality: **good** IsNull: **No** Phase: **SKS**

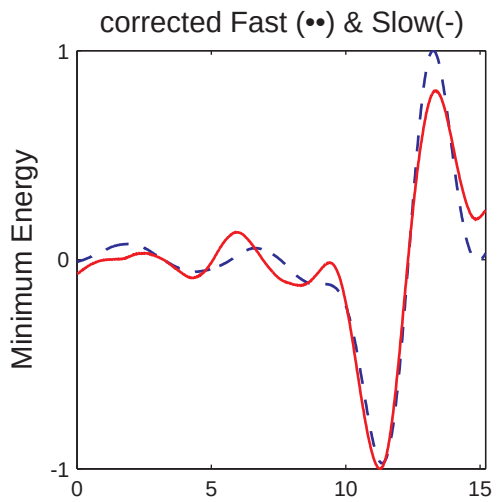


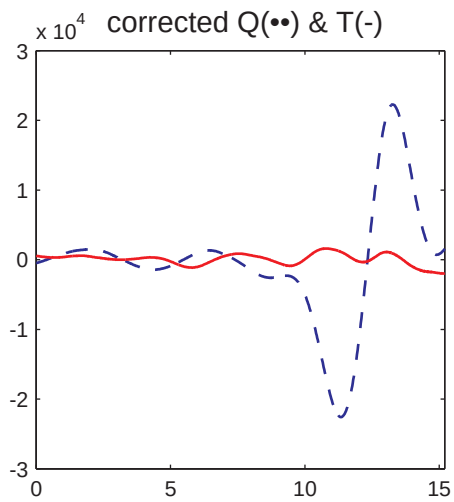


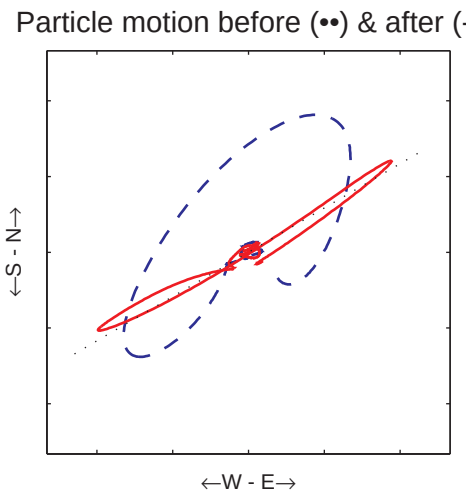


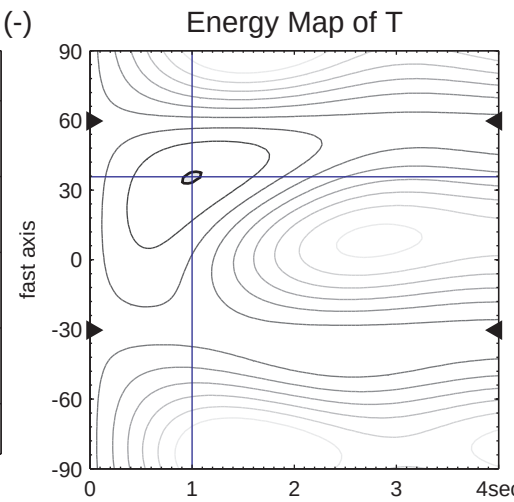


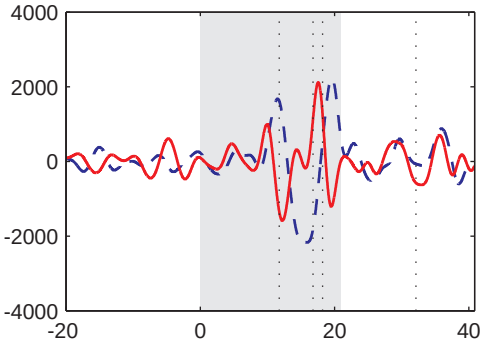








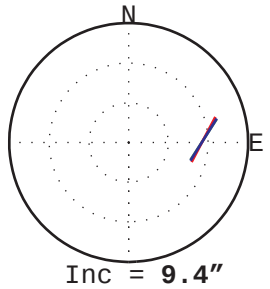


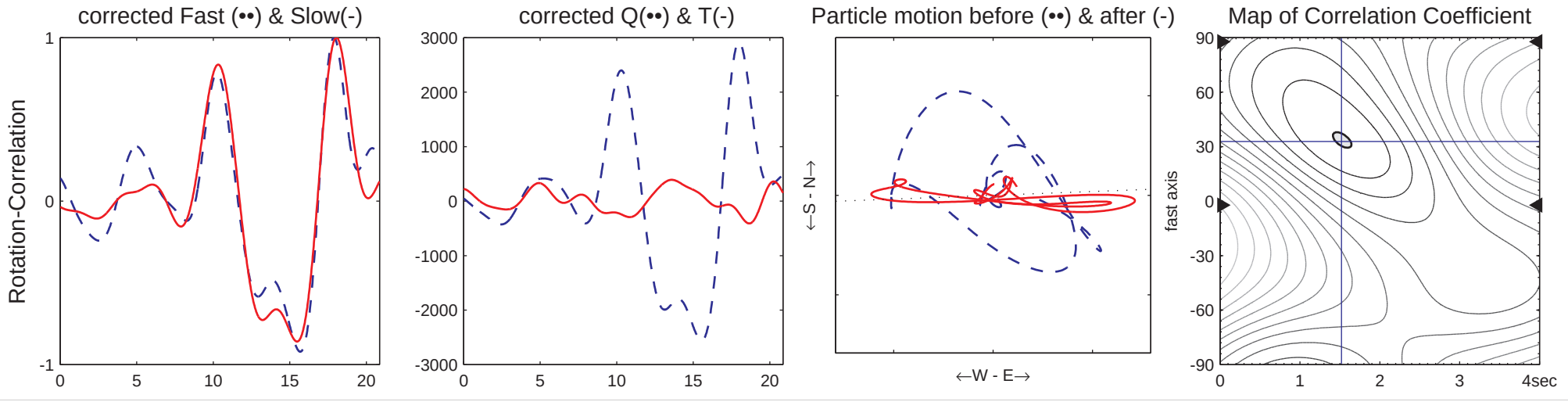


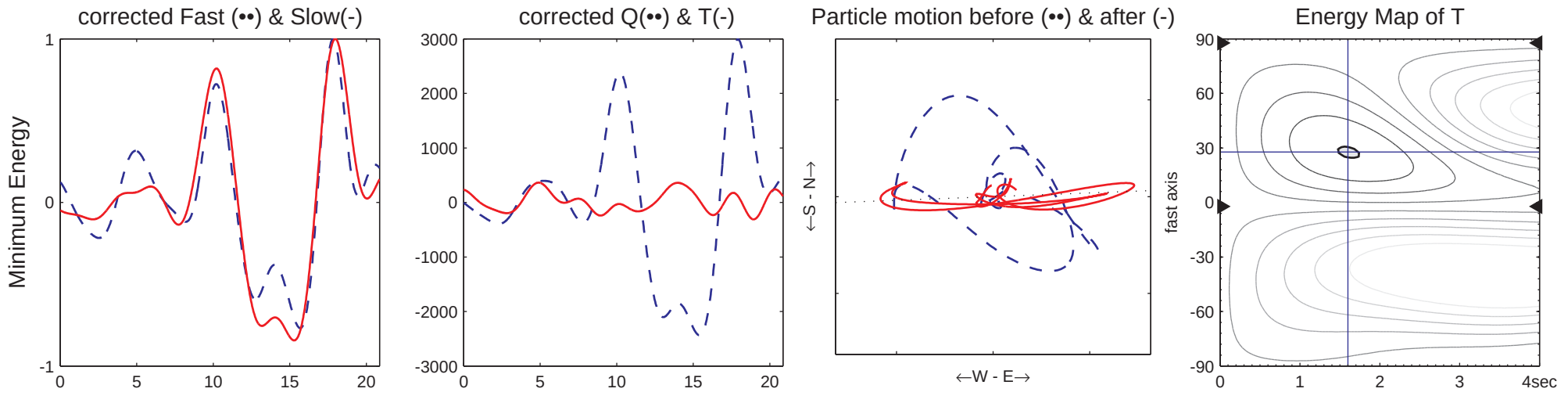
Event: **20-Feb-2007 (051) 14:25 -1.05N 126.98E 11km Mw=6.0**
Station: **KDHN** Backazimuth: **87.8”** Distance: **94.46”**
init.Pol.: **272.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.4**

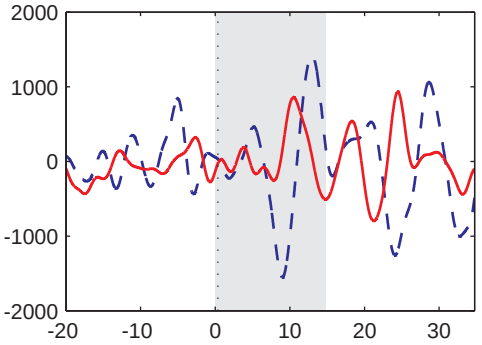
Rotation Correlation:	30<	33° <	38	1.4<1.5s<1.6
Minimum Energy:	25<	28° <	31	1.5<1.6s<1.7
Eigenvalue:	27<	32° <	37	1.4<1.6s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





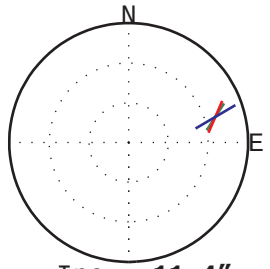




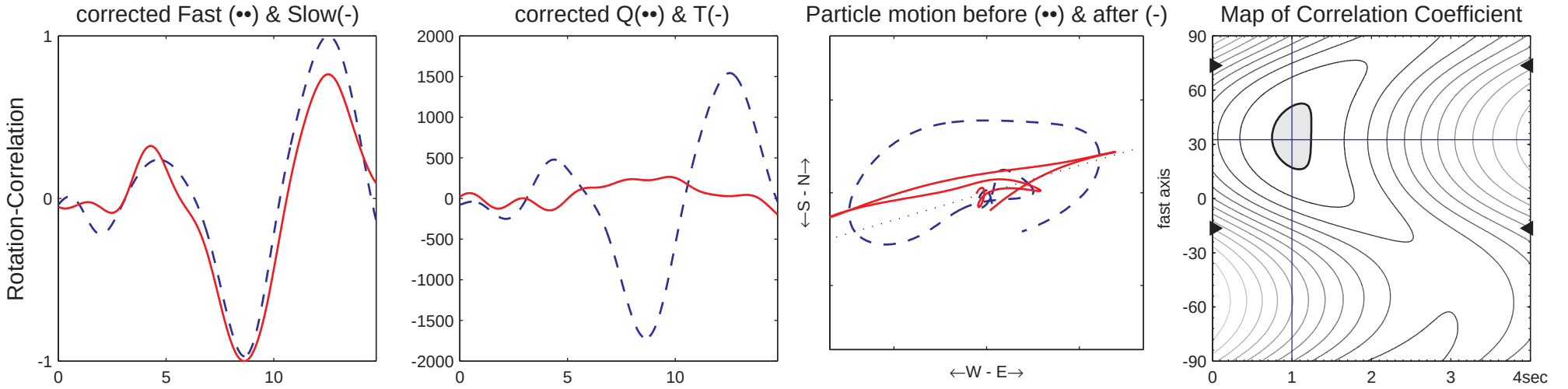
Event: **02-Apr-2007 (092) 23:20 -8.62N 157.39E 18km Mw=6.2**
Station: **KDHN** Backazimuth: **73.6”** Distance: **122.69”**
init.Pol.: **268.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.6**

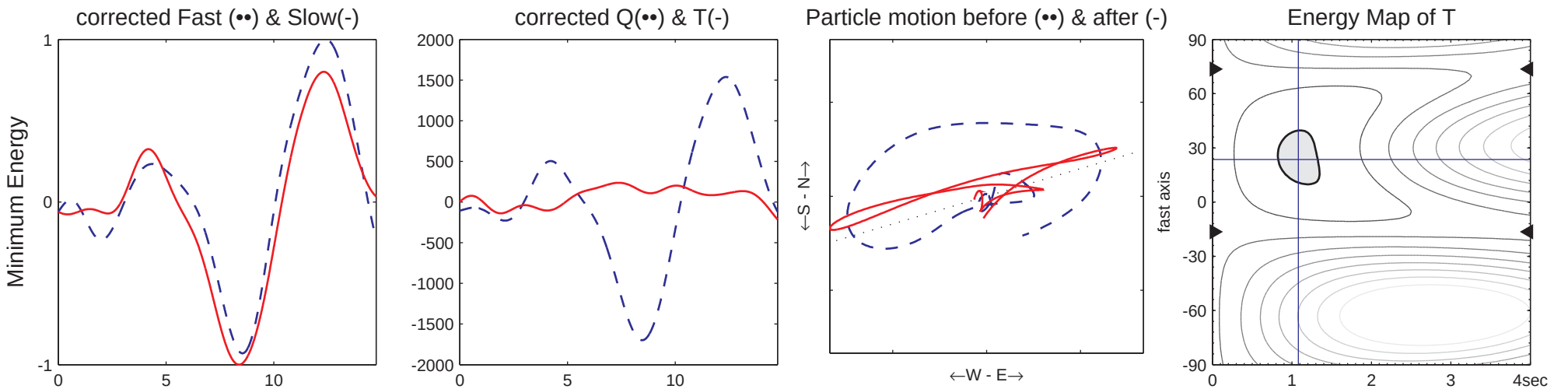
Rotation Correlation:	17<	33° <	53	0.8<1.0s<1.2
Minimum Energy:	9<	24° <	39	0.8<1.1s<1.4
Eigenvalue:	27<	60° <	76	1.0<1.4s<2.0

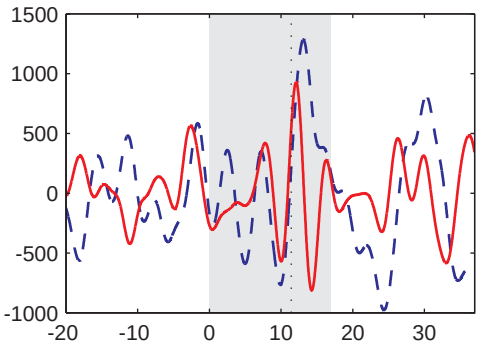
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.4”**



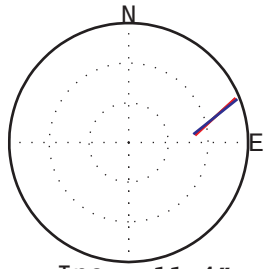




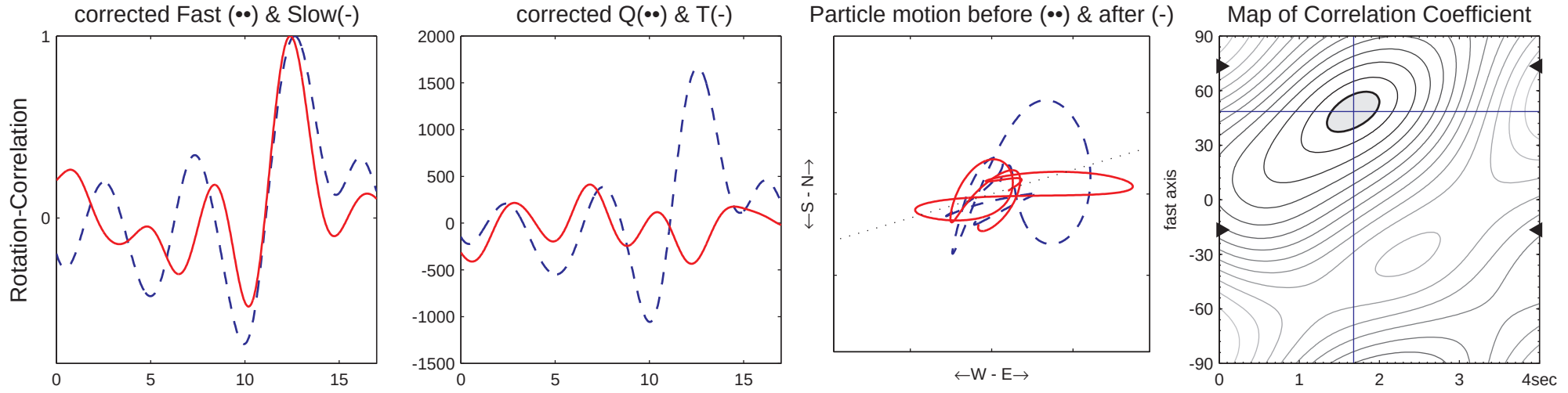
Event: **04-Apr-2007 (094) 06:34 -7.78N 156.49E 31km Mw=6.4**
Station: **KDHN** Backazimuth: **73.5”** Distance: **121.46”**
init.Pol.: **260.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.9**

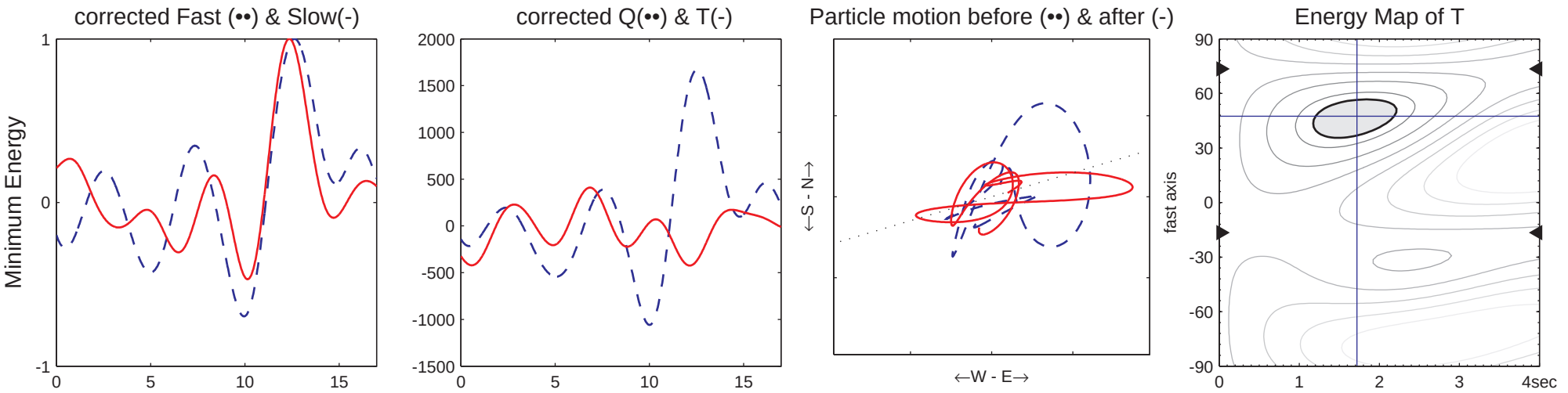
Rotation Correlation:	38<	48° <	60	1.4<1.7s<2.0
Minimum Energy:	35<	47° <	58	1.2<1.7s<2.2
Eigenvalue:	35<	51° <	68	1.2<1.8s<2.2

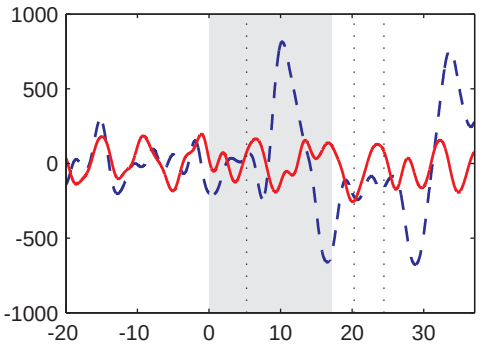
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.4”**



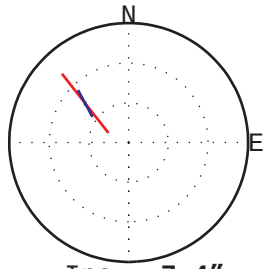




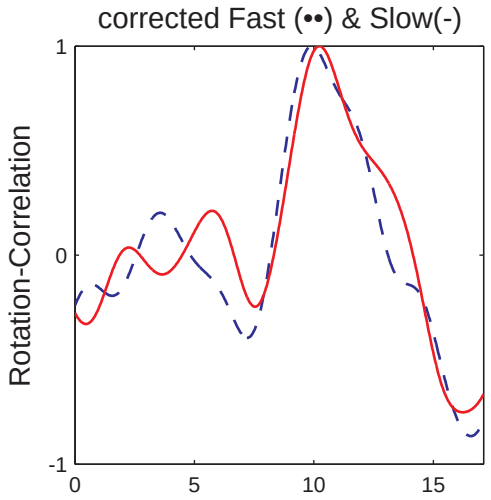
Event: **13-Apr-2007 (103) 05:42 17.30N -100.20E 34km Mw=6.0**
Station: **KDHN** Backazimuth: **311.9”** Distance: **108.52”**
init.Pol.: **139.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

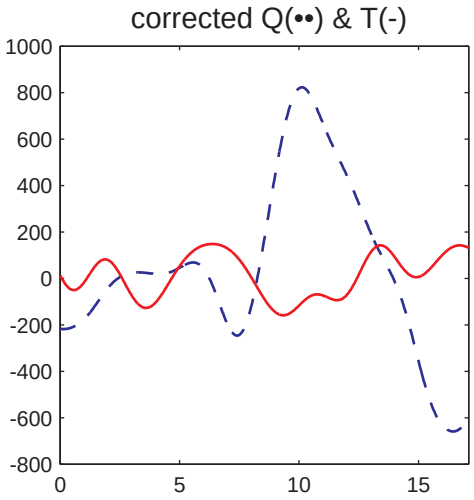
Rotation Correlation:	-7<	6° < 19	0.0<0.1s<0.4
Minimum Energy:	-46<	-38° < -35	1.2<2.4s<3.2
Eigenvalue:	-43<	-28° < 48	0.1<1.0s<2.8

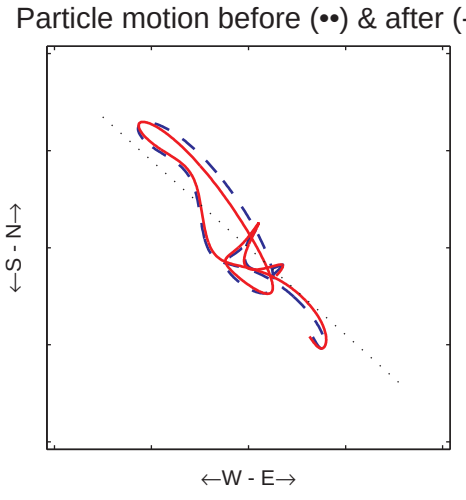
Quality: **good** IsNull: **Yes** Phase: **SKS**

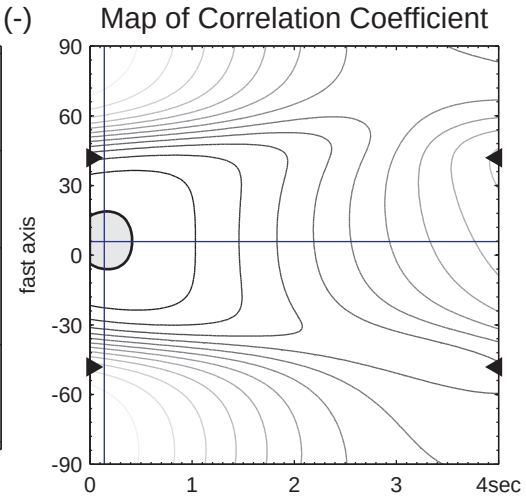


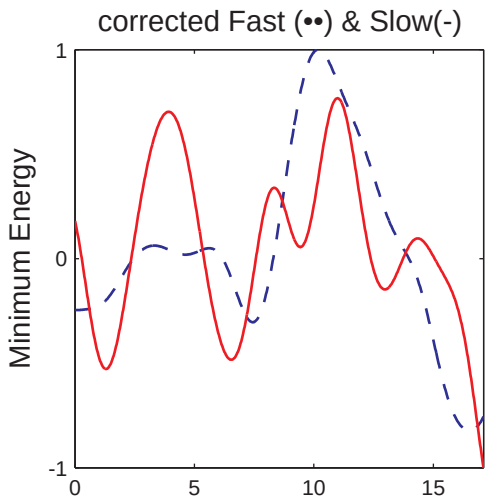
Inc = **7.4”**

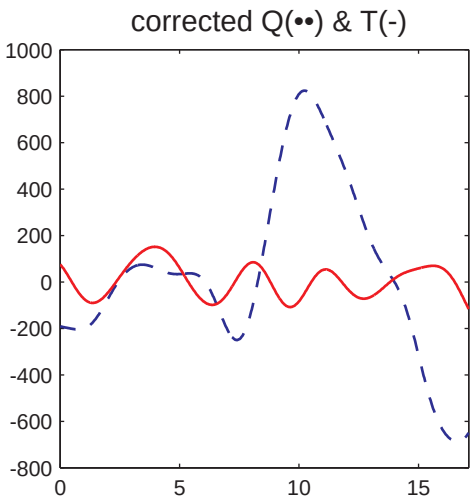


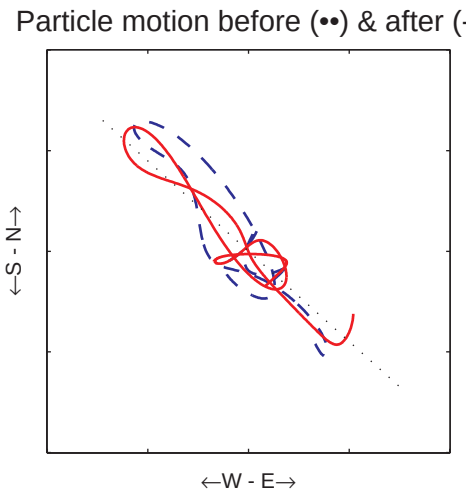


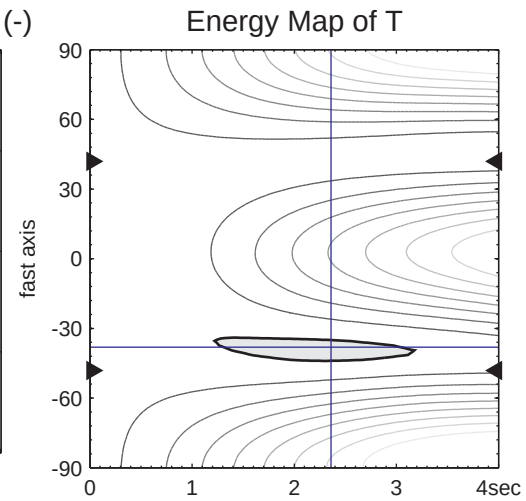


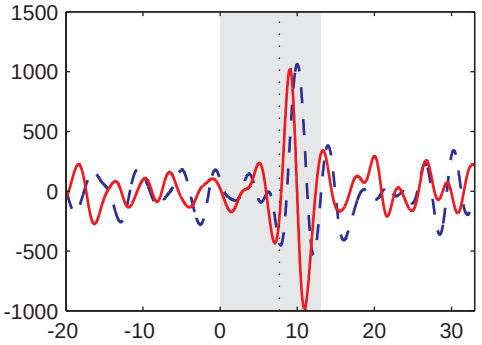








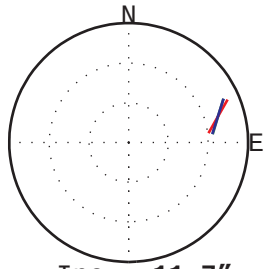




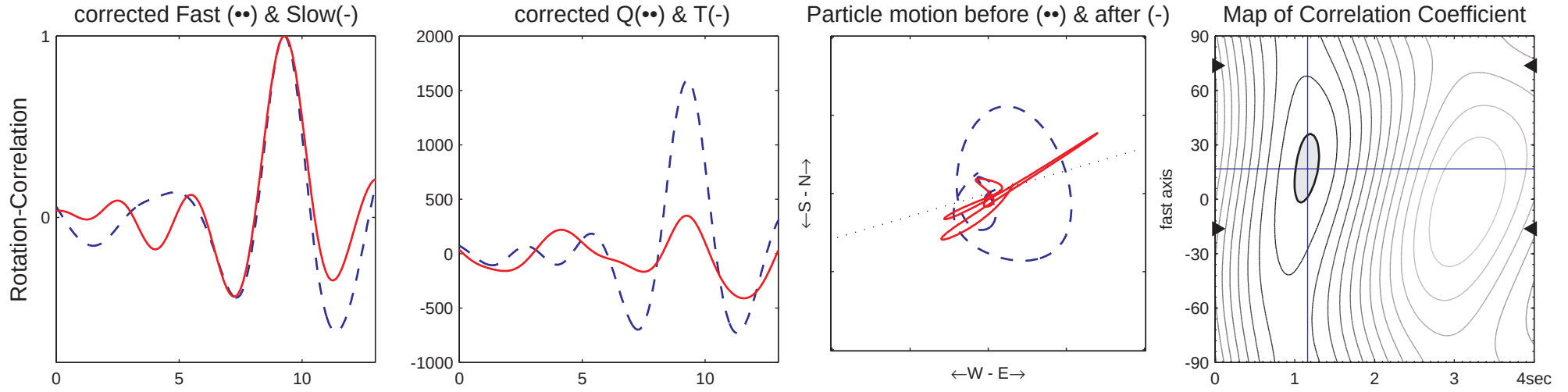
Event: **21-Apr-2007 (111) 07:12 -3.55N 151.27E 407km Mw=6.1**
Station: **KDHN** Backazimuth: **73.7”** Distance: **114.77”**
init.Pol.: **239.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

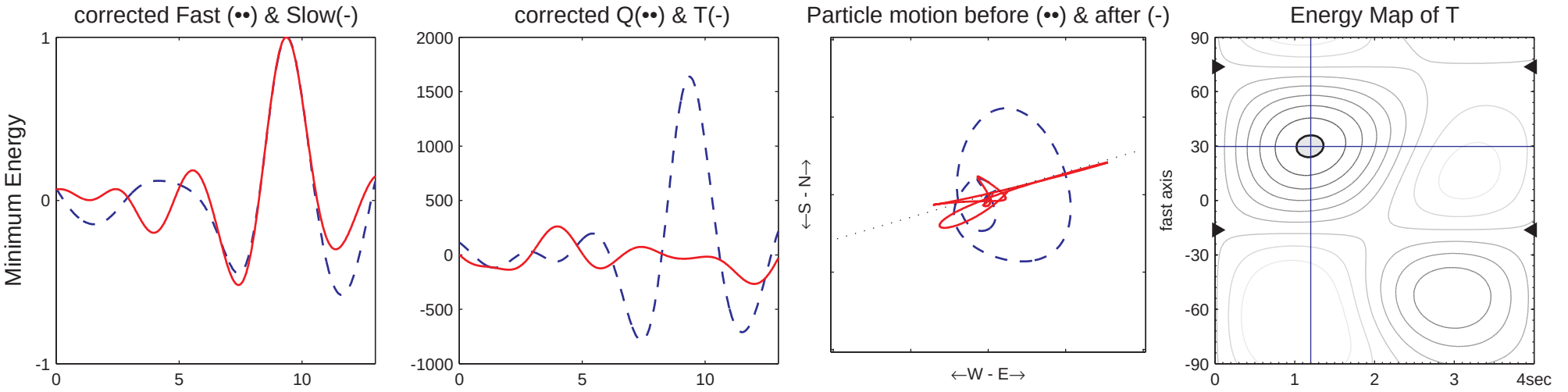
Rotation Correlation:	-2<	17° <	36	1.0<1.2s<1.3
Minimum Energy:	23<	30° <	35	1.0<1.2s<1.4
Eigenvalue:	-7<	18° <	41	1.0<1.2s<1.3

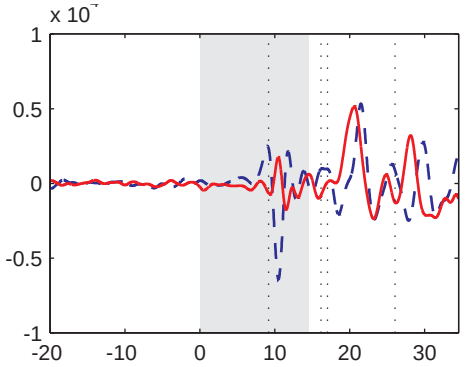
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.7”**



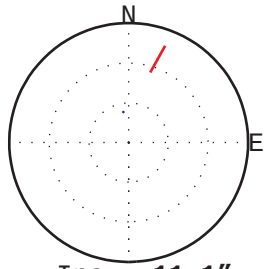


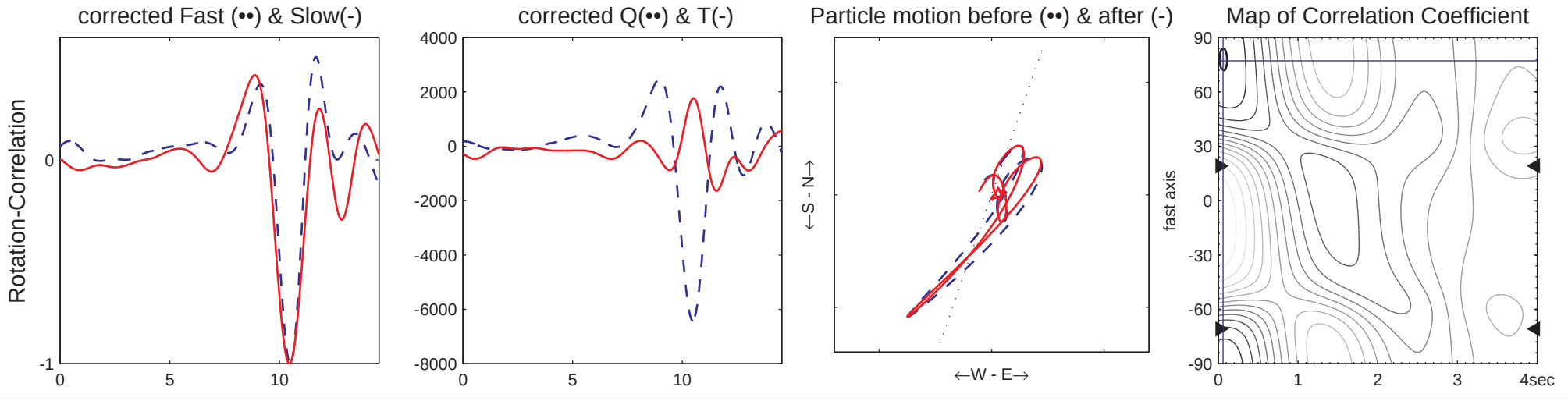


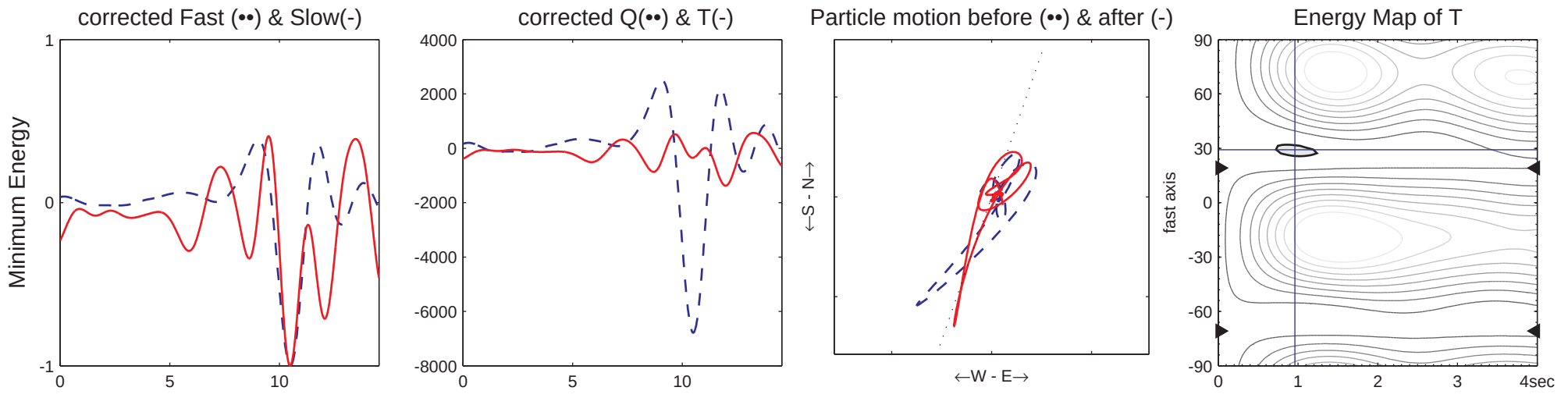
Event: **29-Apr-2007 (119) 12:41 52.01N -179.97E 117km Mw=6.2**
Station: **KDHN** Backazimuth: **19.2”** Distance: **85.25”**
init.Pol.: **222.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.7**

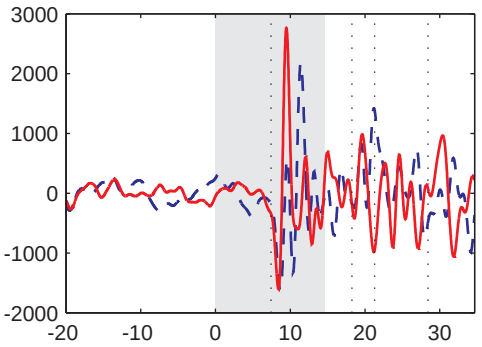
Rotation Correlation:	72<	77° <	84	0.0<0.1s<0.1
Minimum Energy:	25<	29° <	31	0.7<1.0s<1.2
Eigenvalue:	29<	33° <	37	3.7<4.0s<4.0

Quality: **fair** IsNull: **Yes** Phase: **SKS**





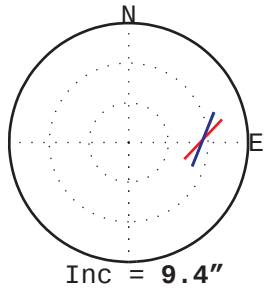


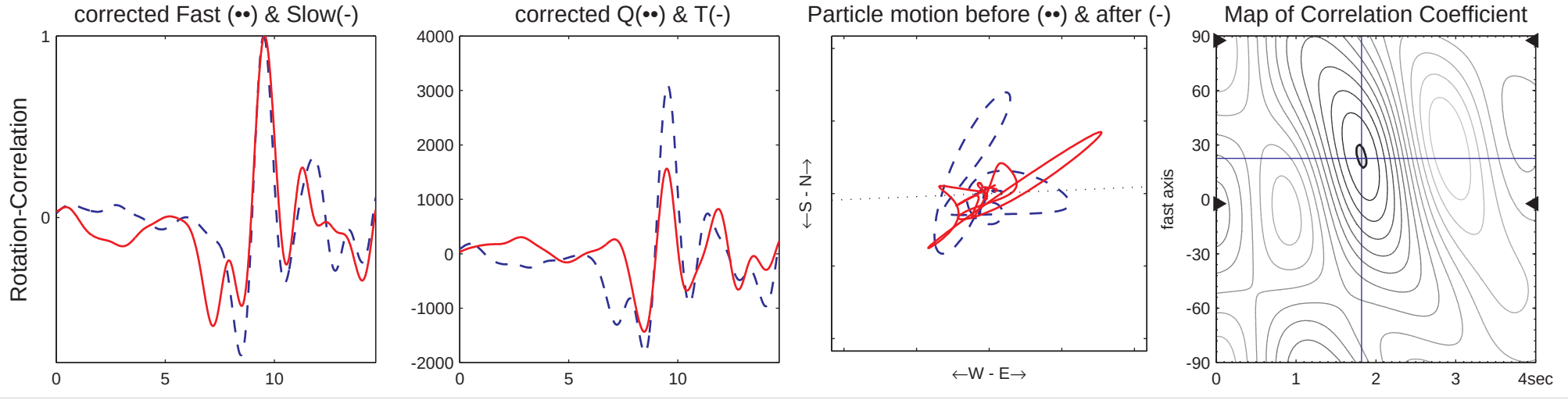


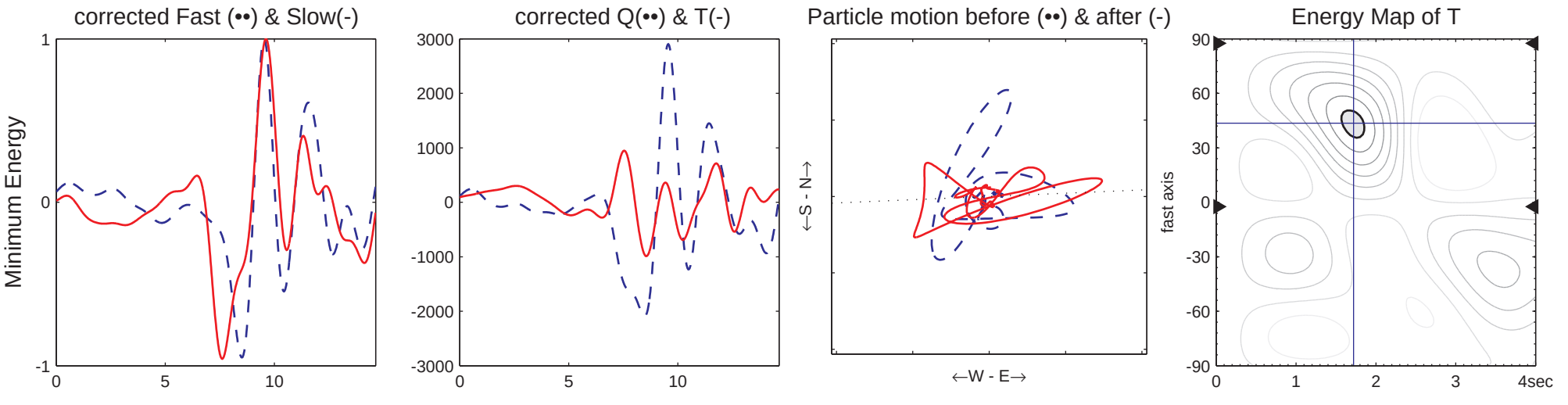
Event: **29-May-2007 (149) 09:36 -1.07N 127.34E 24km Mw=6.1**
Station: **KDHN** Backazimuth: **87.6”** Distance: **94.75”**
init.Pol.: **239.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.0**

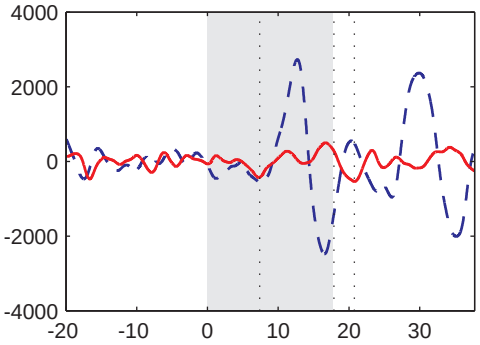
Rotation Correlation:	18<	23° <	30	1.8<1.8s<1.9
Minimum Energy:	35<	44° <	50	1.6<1.7s<1.8
Eigenvalue:	11<	22° <	31	1.7<1.8s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





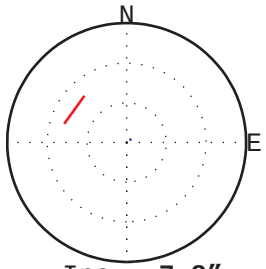


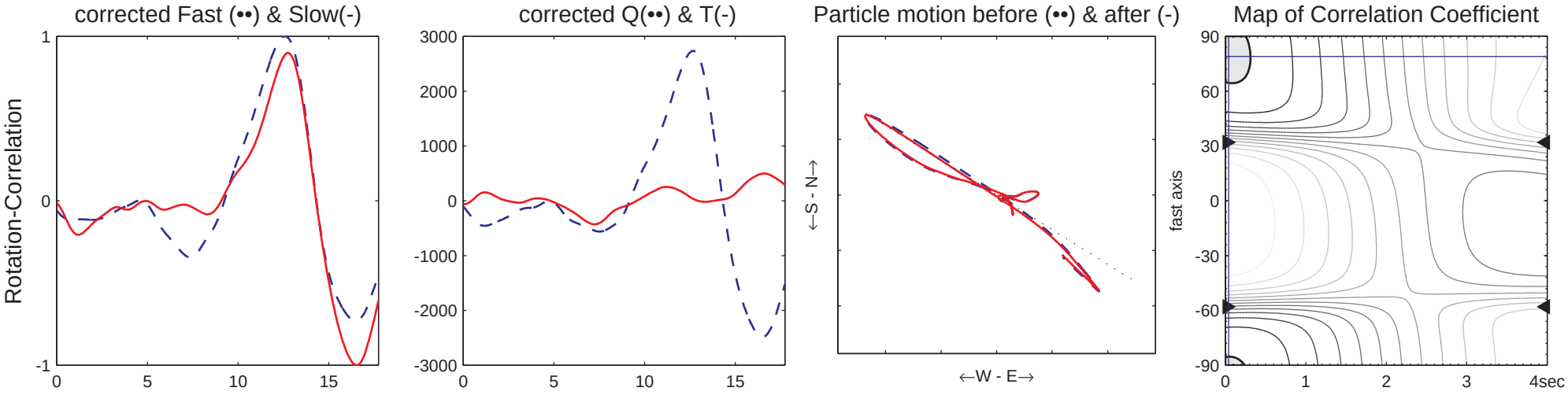


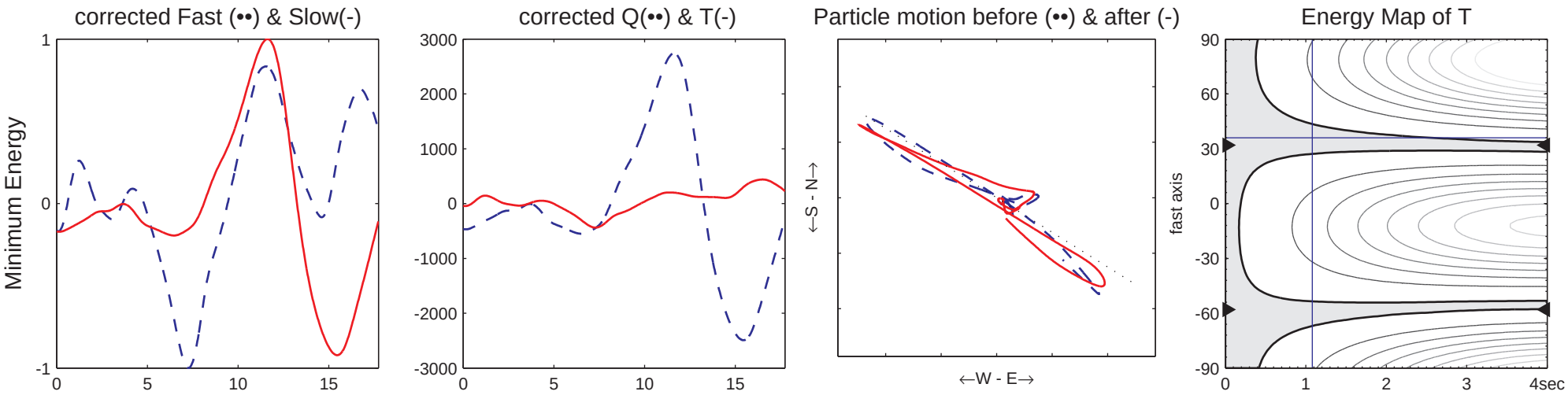
Event: **13-Jun-2007 (164) 19:29 13.55N -90.62E 23km Mw=6.7**
Station: **KDHN** Backazimuth: **302.0”** Distance: **105.39”**
init.Pol.: **105.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.6**

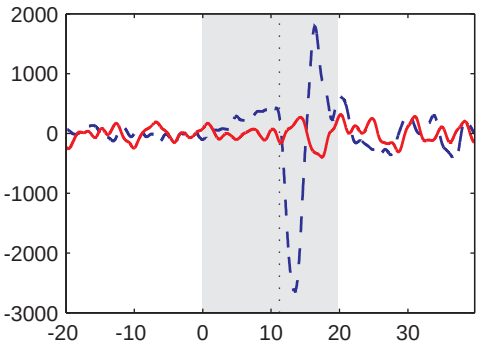
Rotation Correlation:	64<	79° < -86	0.0<0.0s<0.3
Minimum Energy:	-Inf<	36° < Inf	0.0<1.1s<Inf
Eigenvalue:	-72<	-62° < -62	3.7<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





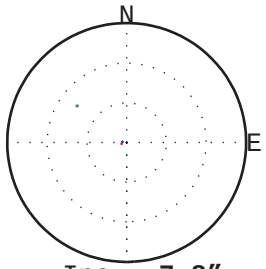


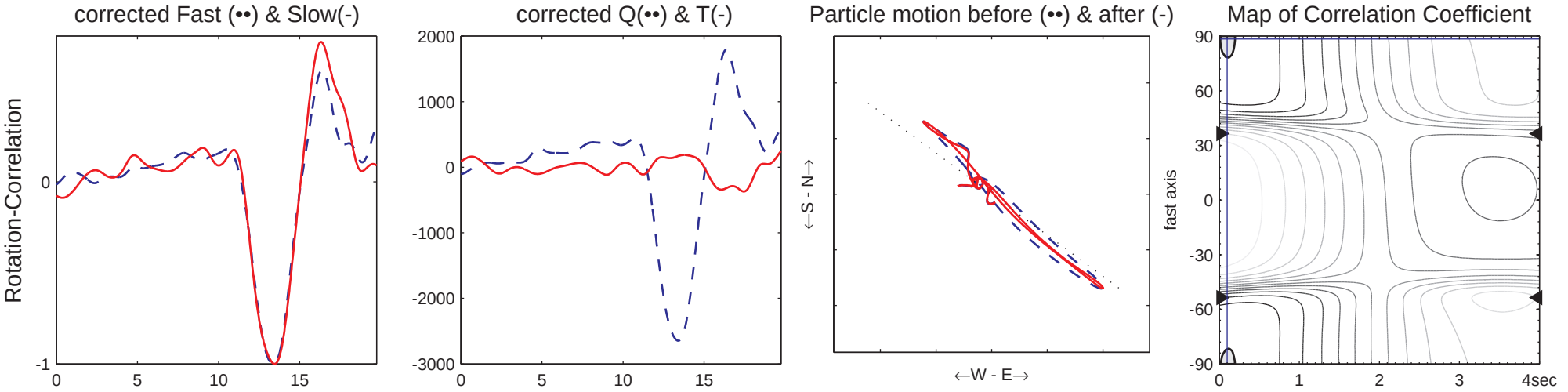


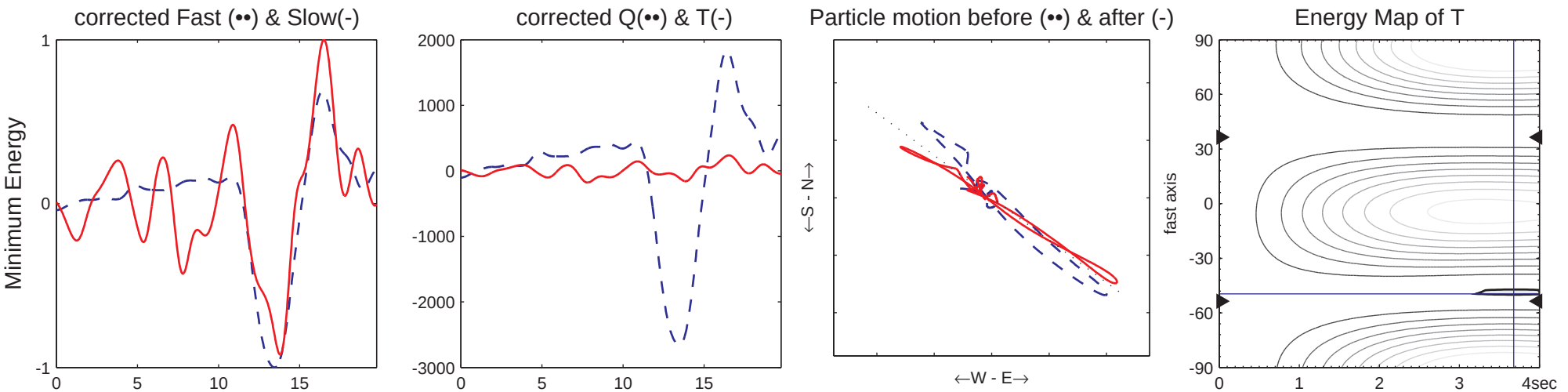
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **KDHN** Backazimuth: **306.4”** Distance: **105.49”**
init.Pol.: **120.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**14.9**

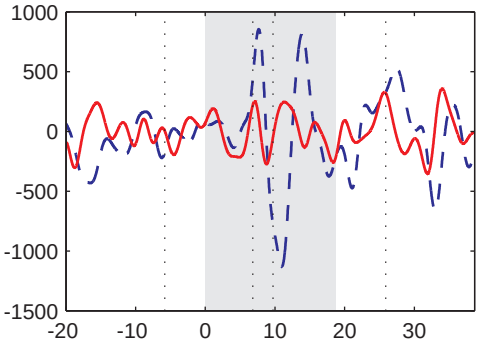
Rotation Correlation:	78<	88° < -83	0.0<0.1s<0.2
Minimum Energy:	-52<	-50° < -50	3.2<3.7s<4.0
Eigenvalue:	-56<	-52° < -52	3.4<3.6s<3.9

Quality: **good** IsNull: **Yes** Phase: **SKS**





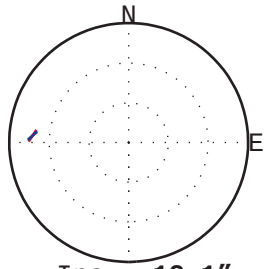




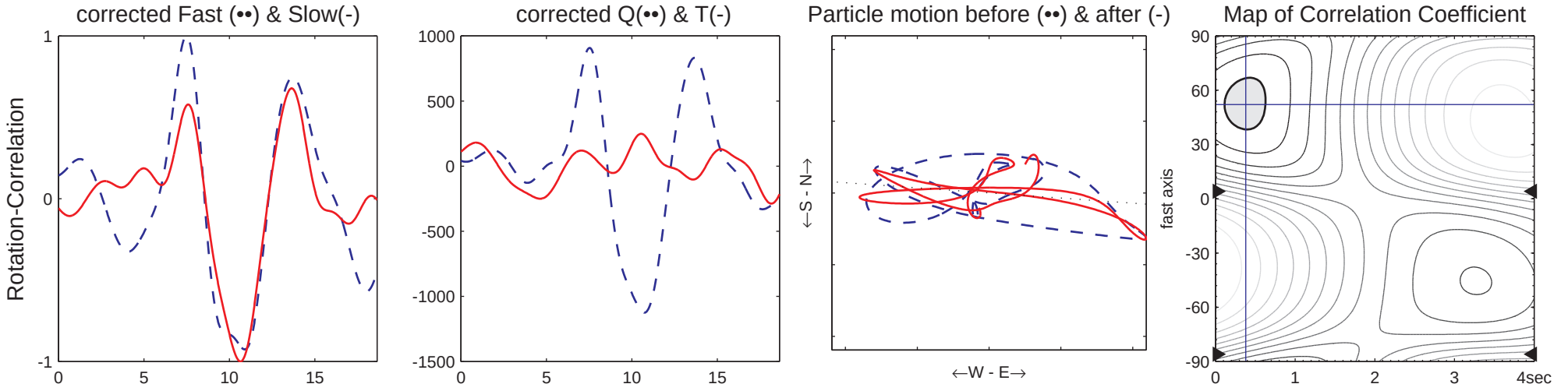
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **KDHN** Backazimuth: **274.1”** Distance: **107.84”**
init.Pol.: **95.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.2**

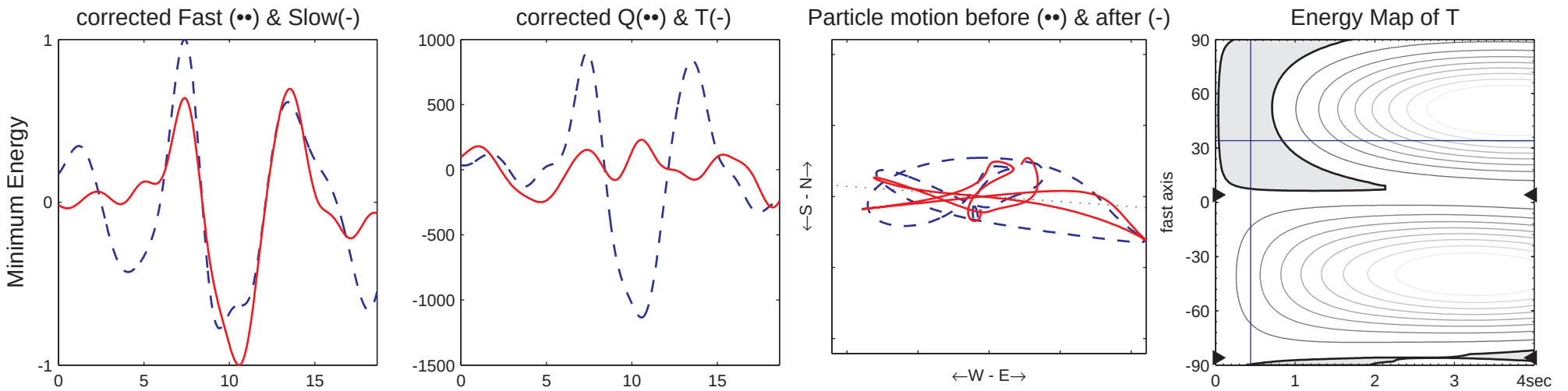
Rotation Correlation:	39<	52° <	67	0.1<0.4s<0.6
Minimum Energy:	7<	34° <	-84	0.0<0.4s<4.0
Eigenvalue:	3<	42° <	-76	0.0<0.4s<4.0

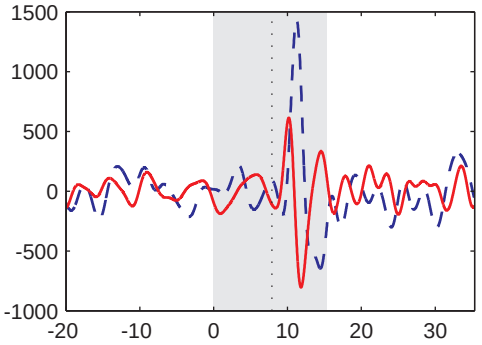
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.1”**



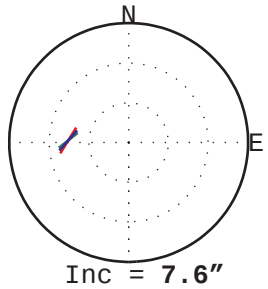


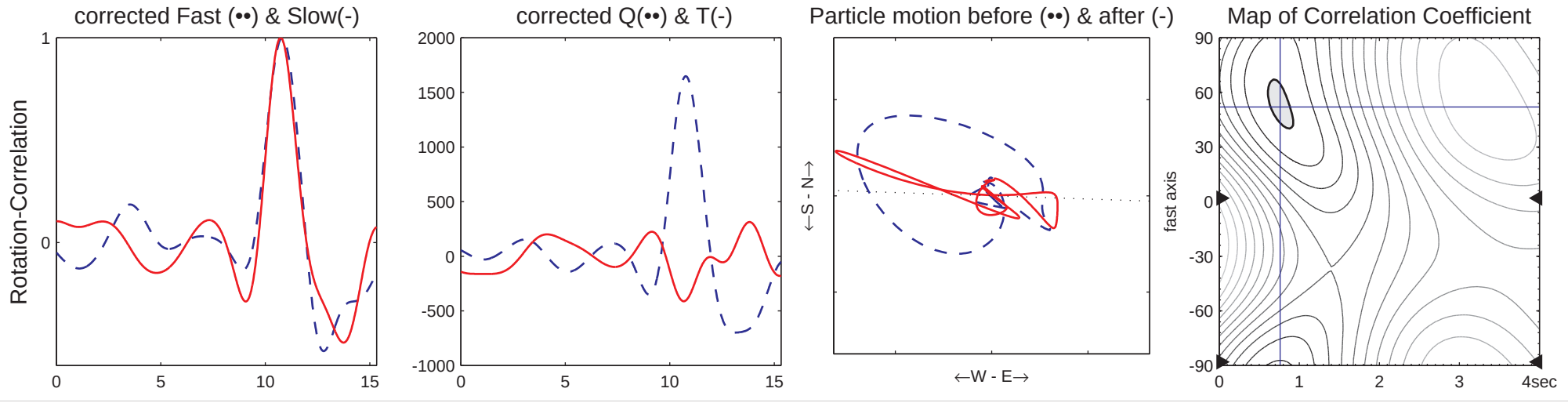


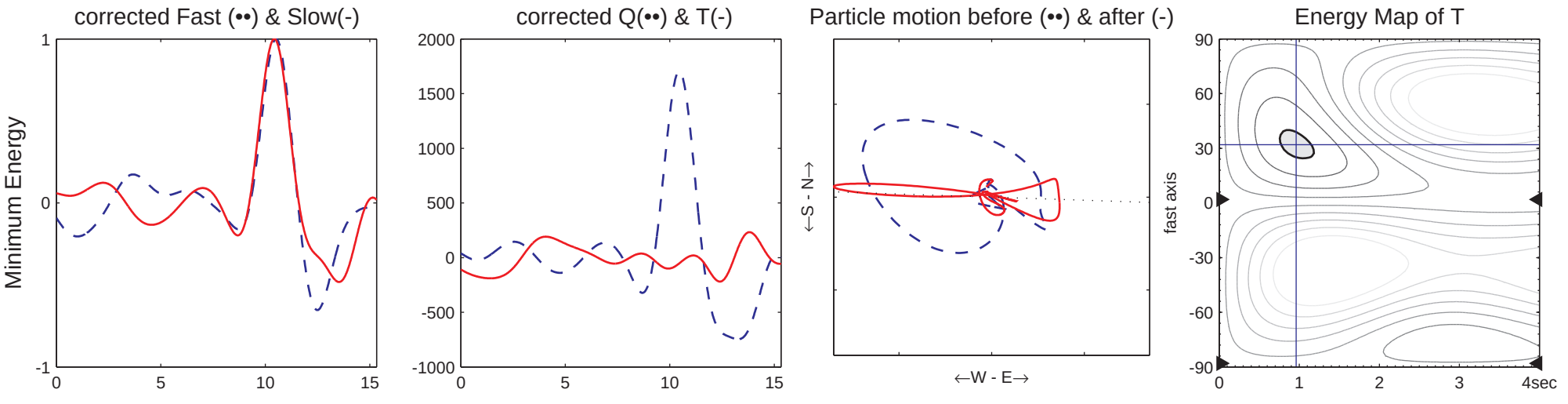
Event: **21-Jul-2007 (202) 13:27 -7.98N -71.13E 633km Mw=6.1**
Station: **KDHN** Backazimuth: **271.9”** Distance: **105.31”**
init.Pol.: **100.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

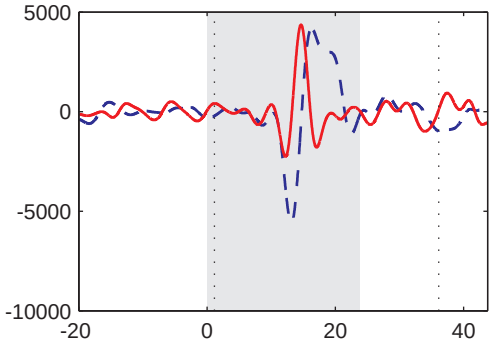
Rotation Correlation:	40<	52° <	67	0.6<0.8s<0.9
Minimum Energy:	25<	32° <	39	0.8<1.0s<1.2
Eigenvalue:	27<	42° <	64	0.6<0.8s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





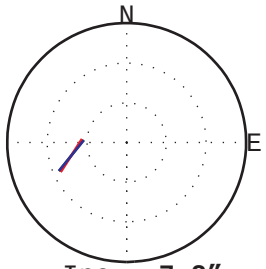




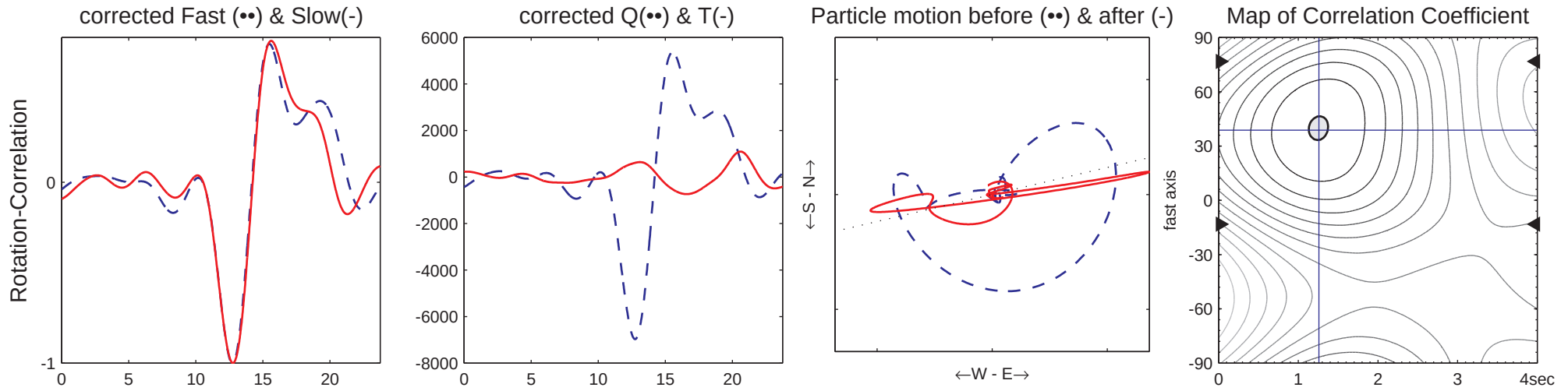
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **KDHN** Backazimuth: **256.8”** Distance: **109.60”**
init.Pol.: **81.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.0**

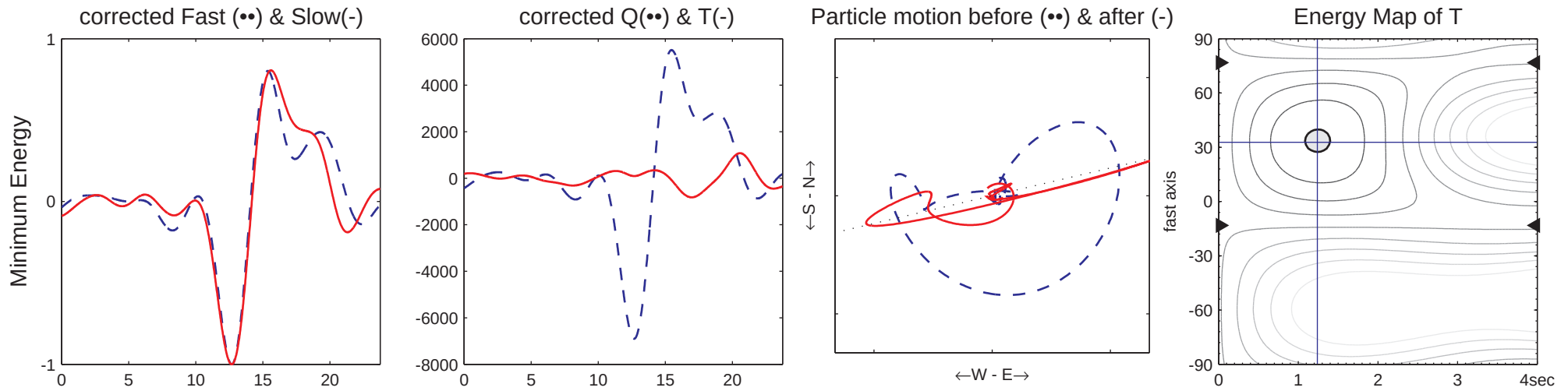
Rotation Correlation:	34<	39° <	47	1.1<1.3s<1.4
Minimum Energy:	27<	33° <	39	1.1<1.2s<1.4
Eigenvalue:	31<	39° <	48	1.1<1.2s<1.4

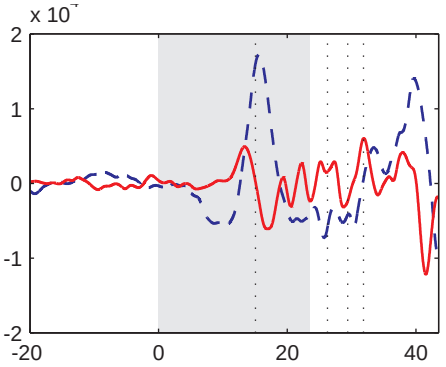
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



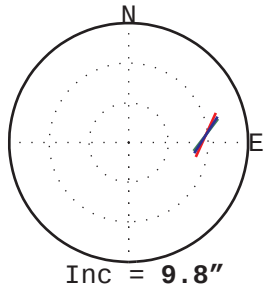


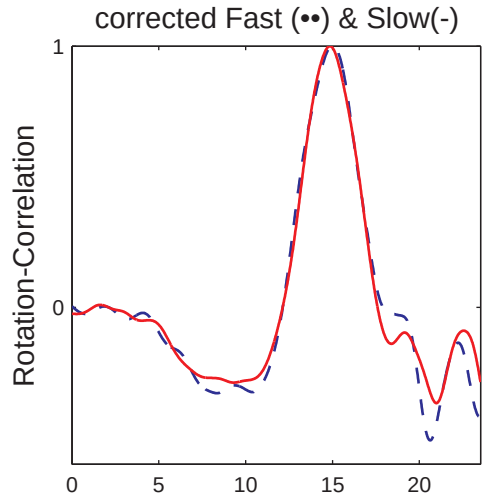


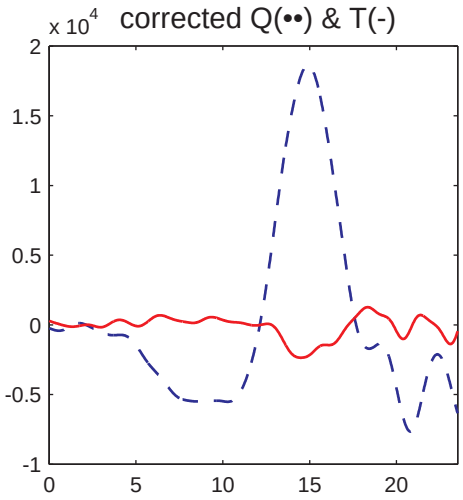
Event: **26-Jul-2007 (207) 05:40 2.82N 127.48E 25km Mw=6.9**
Station: **KDHN** Backazimuth: **84.4”** Distance: **92.43”**
init.Pol.: **268.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**15.2**

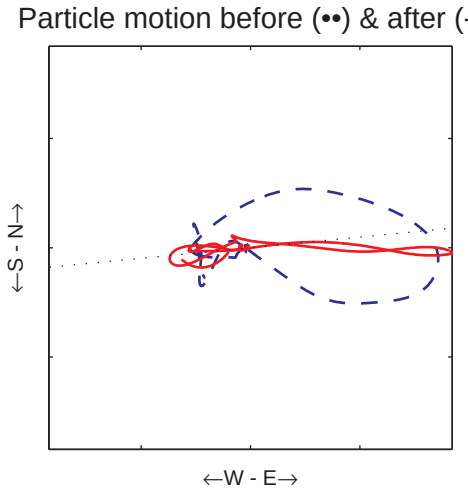
Rotation Correlation:	28<	37° <	50	1.0<1.3s<1.5
Minimum Energy:	21<	24° <	33	1.3<1.5s<1.7
Eigenvalue:	27<	32° <	41	1.2<1.4s<1.5

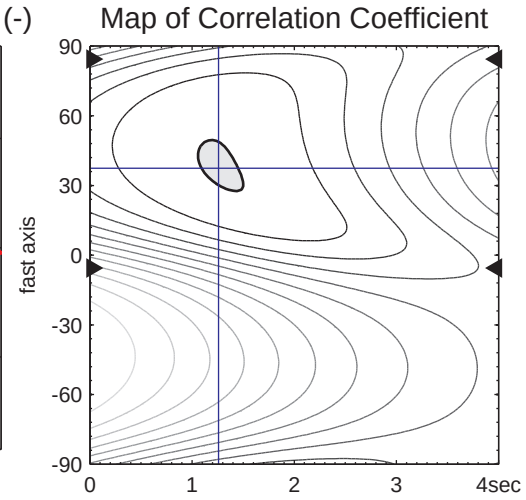
Quality: **fair** IsNull: **No** Phase: **SKS**

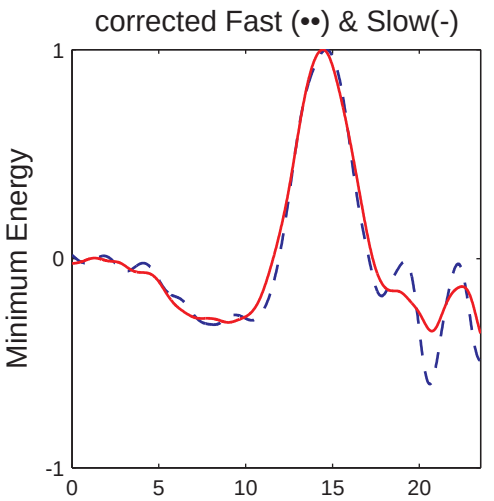


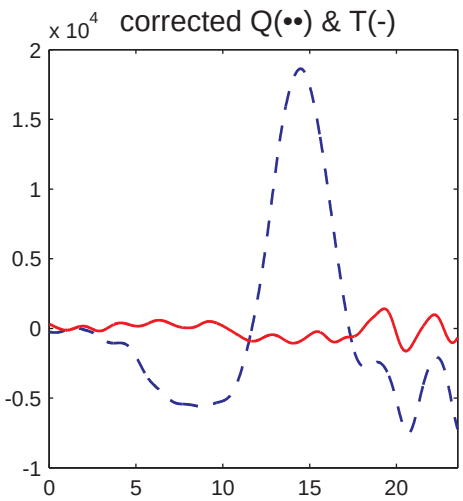


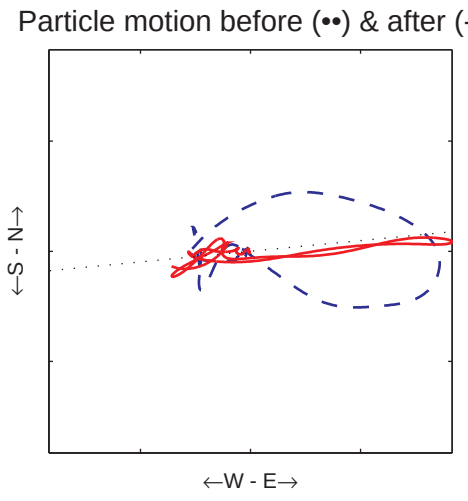


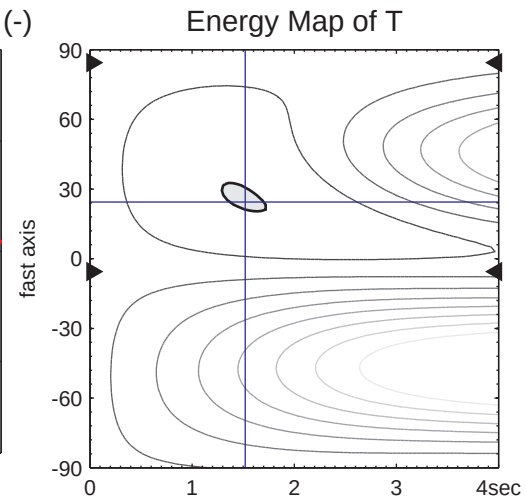


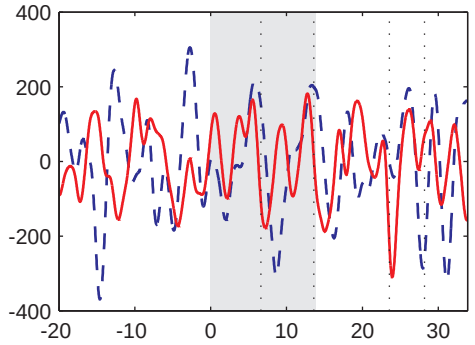








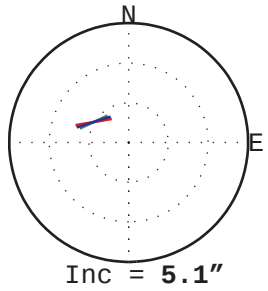


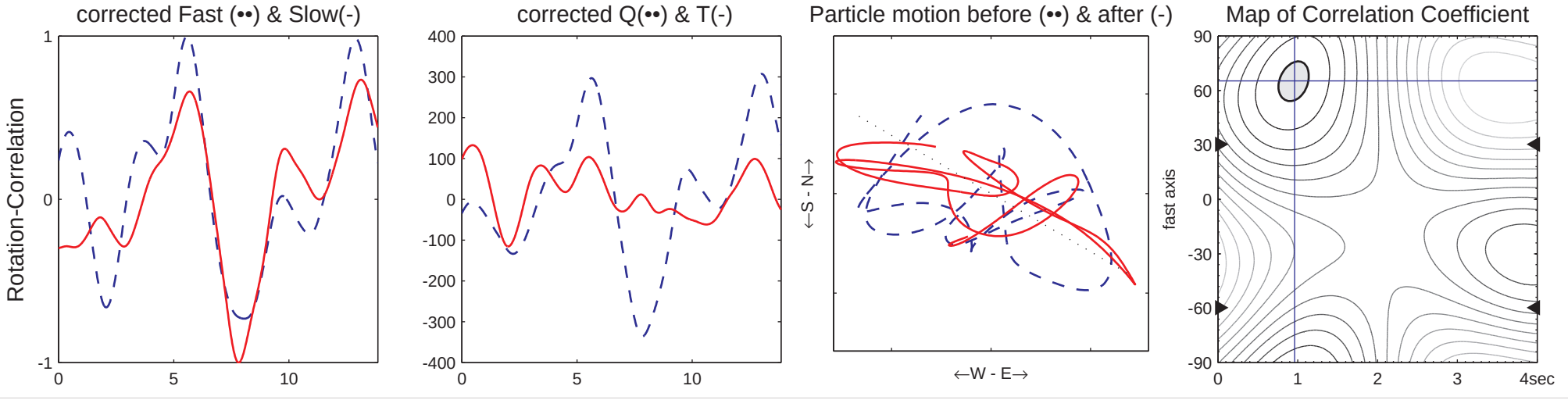


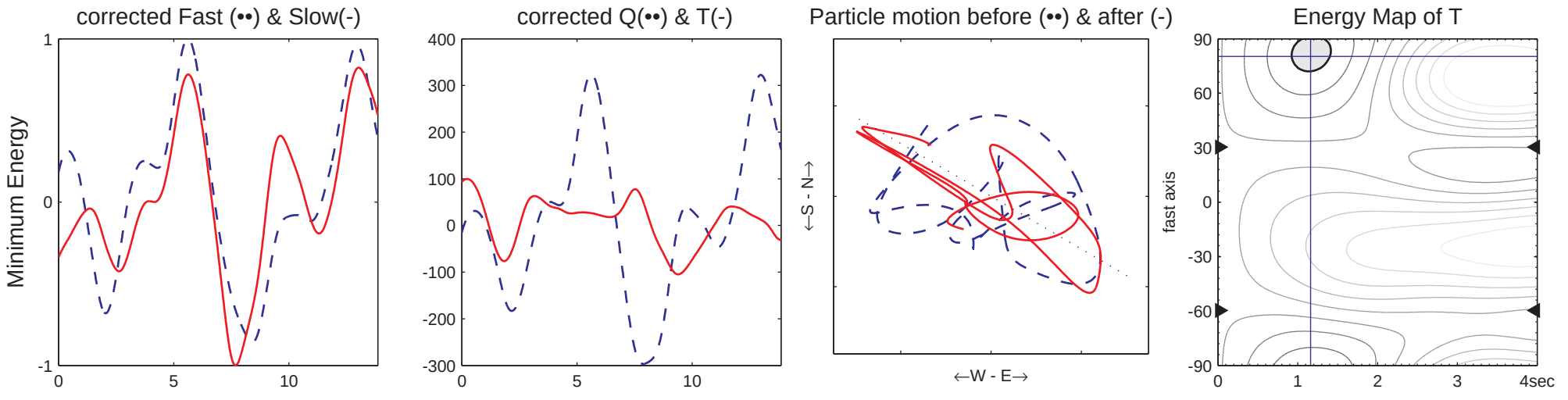
Event: **04-Aug-2007 (216) 14:24 -4.48N -105.18E 39km Mw=6.0**
Station: **KDHN** Backazimuth: **300.3”** Distance: **128.45”**
init.Pol.: **112.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.2**

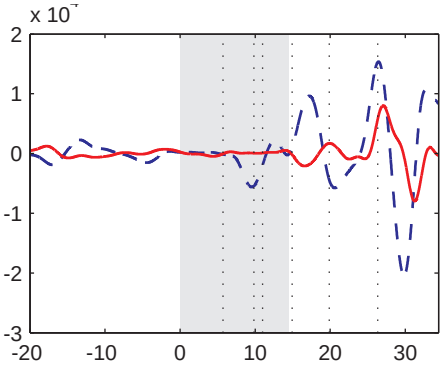
Rotation Correlation:	54<	65° <	76	0.8<1.0s<1.1
Minimum Energy:	72<	80° <	-92	0.9<1.2s<1.4
Eigenvalue:	58<	72° <	-92	0.9<1.1s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





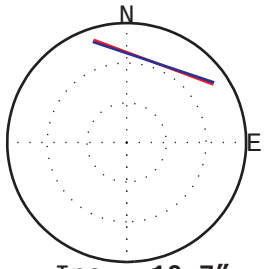




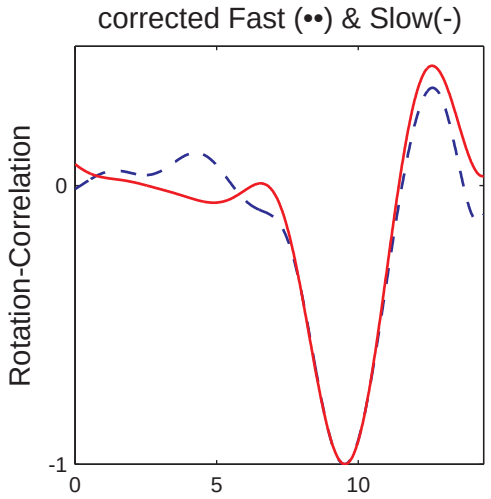
Event: **15-Aug-2007 (227) 20:22 50.32N -177.55E 9km Mw=6.4**
Station: **KDHN** Backazimuth: **18.4”** Distance: **87.41”**
init.Pol.: **196.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**26.7**

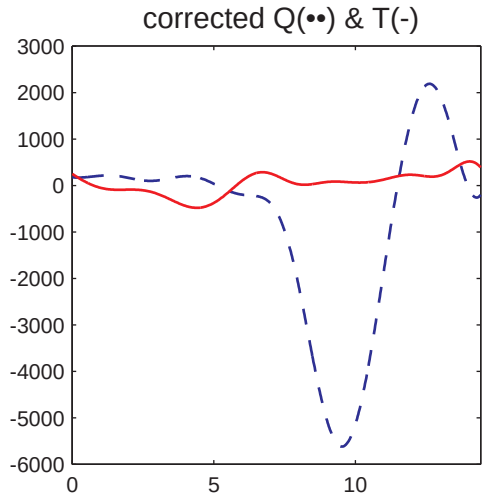
Rotation Correlation:	49<	63° <	79	0.0<0.0s<0.2
Minimum Energy:	-72<	-70° <	-72	3.4<4.0s<4.0
Eigenvalue:	-76<	-72° <	-70	3.3<4.0s<4.0

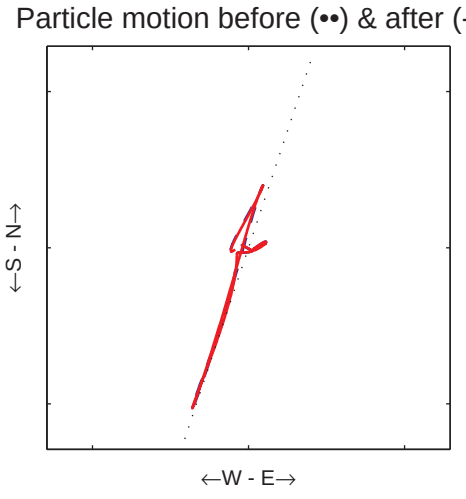
Quality: **good** IsNull: **Yes** Phase: **SKS**

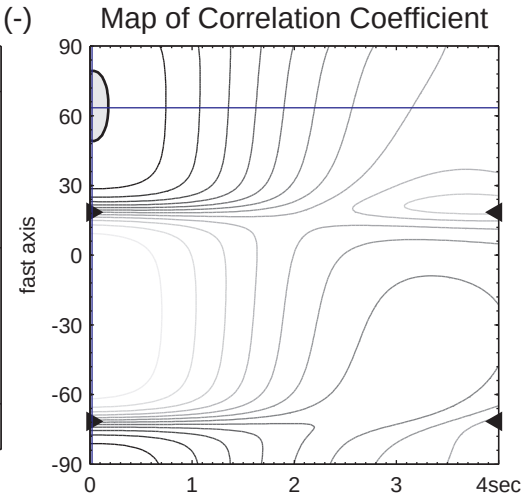


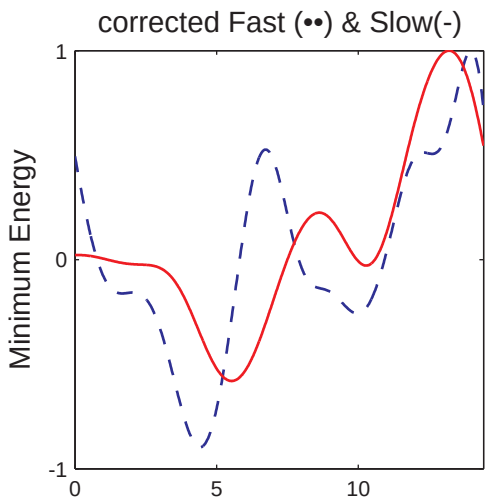
Inc = **10.7”**

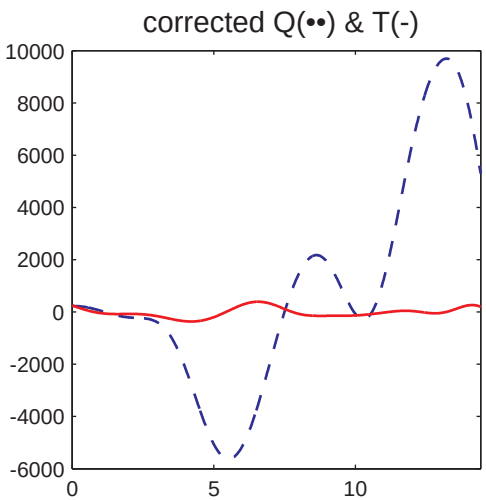


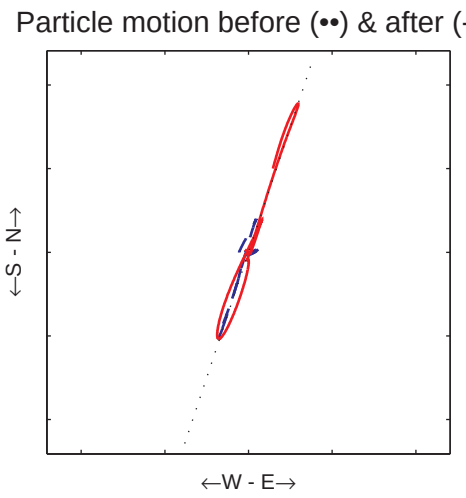


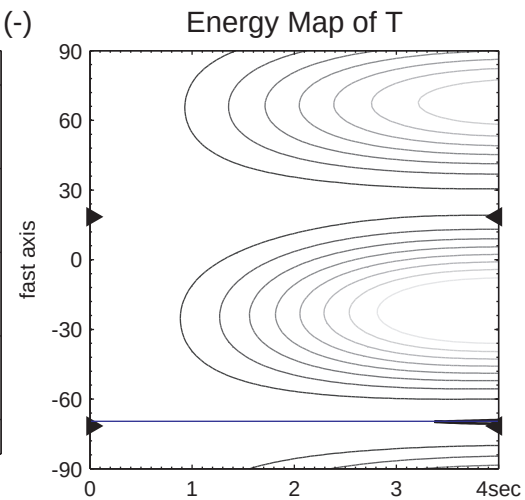


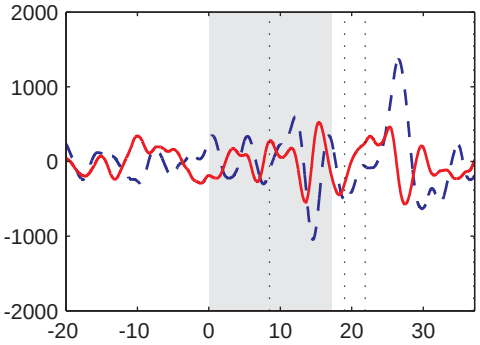








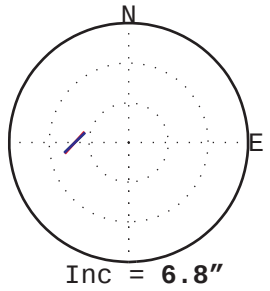


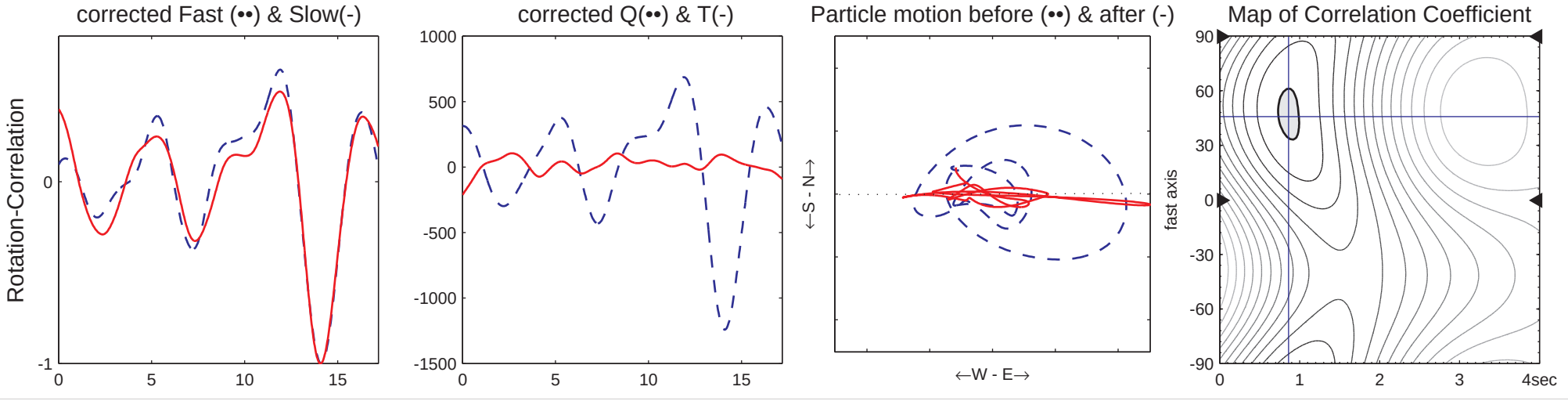


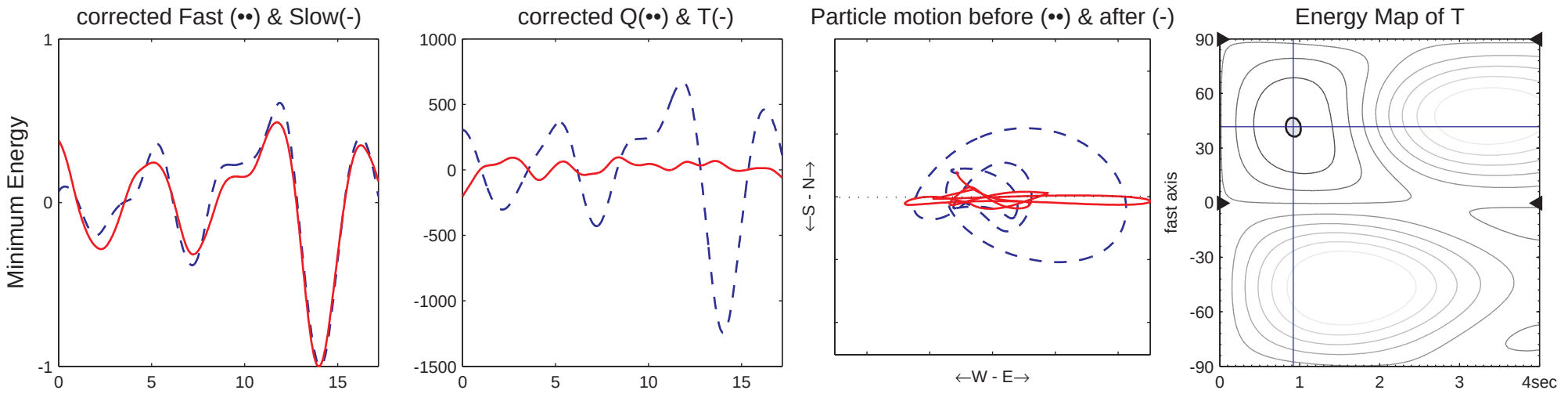
Event: **16-Aug-2007 (228) 05:16 -14.28N -76.13E 23km Mw=6.3**
Station: **KDHN** Backazimuth: **269.8”** Distance: **113.02”**
init.Pol.: **92.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.6**

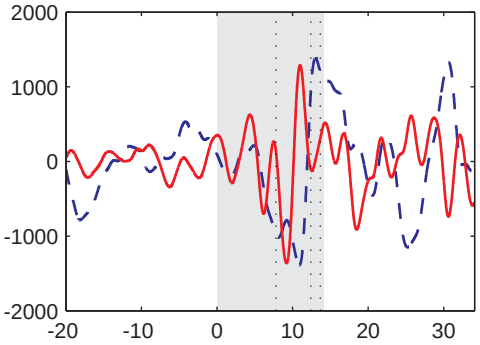
Rotation Correlation:	33<	46° <	61	0.7<0.9s<1.0
Minimum Energy:	35<	42° <	48	0.8<0.9s<1.0
Eigenvalue:	35<	46° <	56	0.8<0.9s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





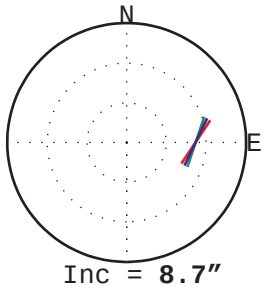


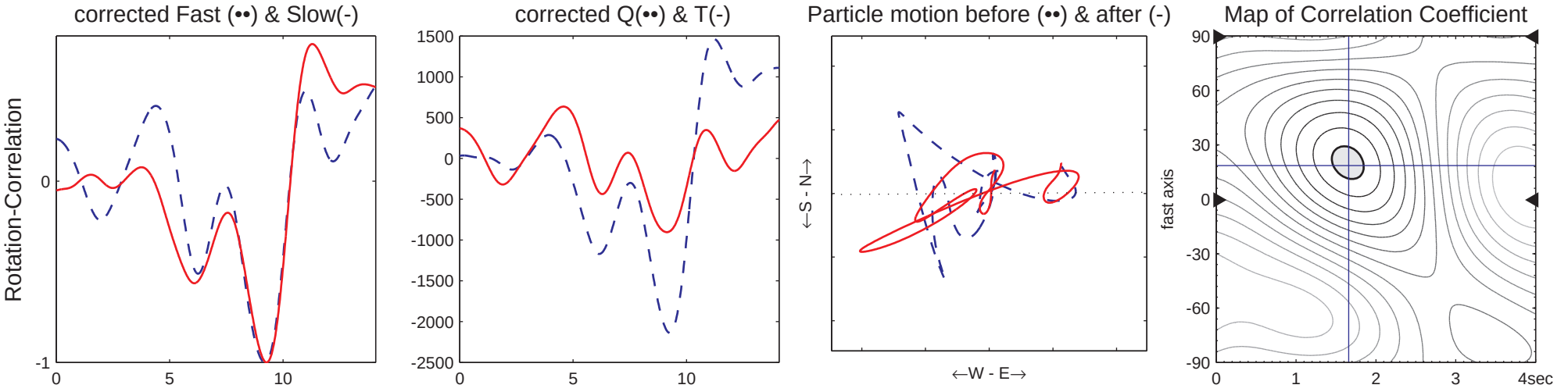


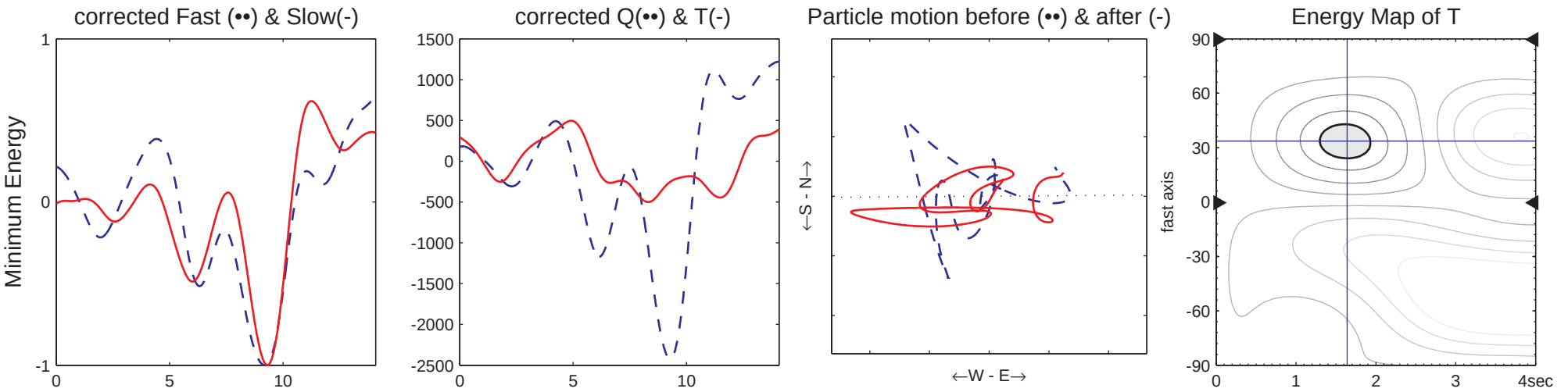
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **KDHN** Backazimuth: **89.6”** Distance: **98.99”**
init.Pol.: **256.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

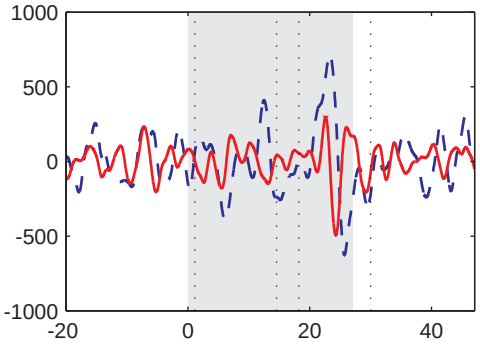
Rotation Correlation:	12<	19° <	30	1.4<1.7s<1.8
Minimum Energy:	23<	34° <	43	1.3<1.6s<1.9
Eigenvalue:	13<	26° <	35	1.4<1.6s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





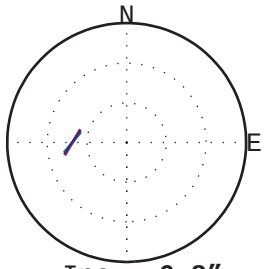




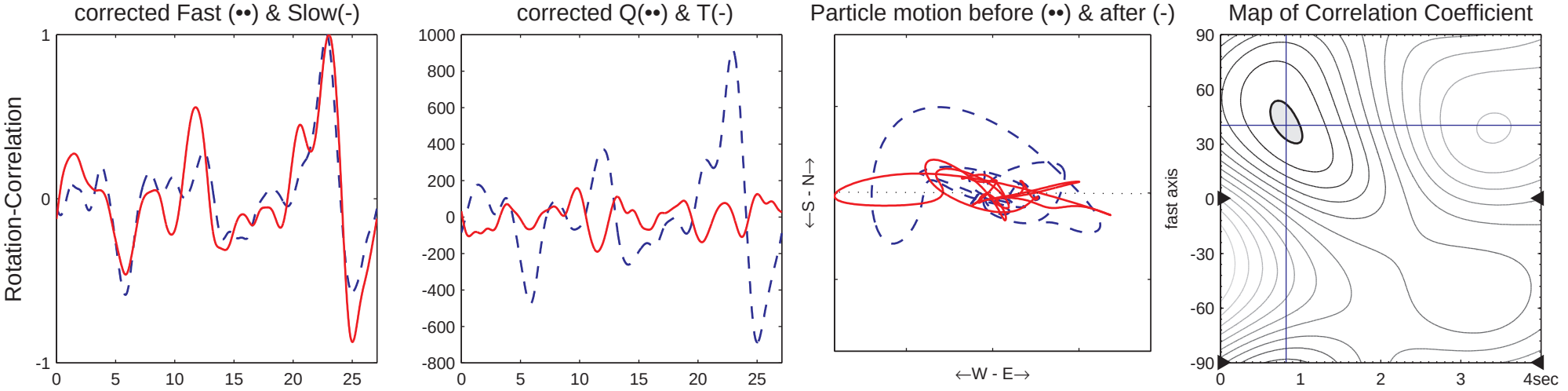
Event: **18-Aug-2007 (230) 02:52 -13.81N -76.29E 30km Mw=6.0**
Station: **KDHN** Backazimuth: **270.3”** Distance: **112.87”**
init.Pol.: **93.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.2**

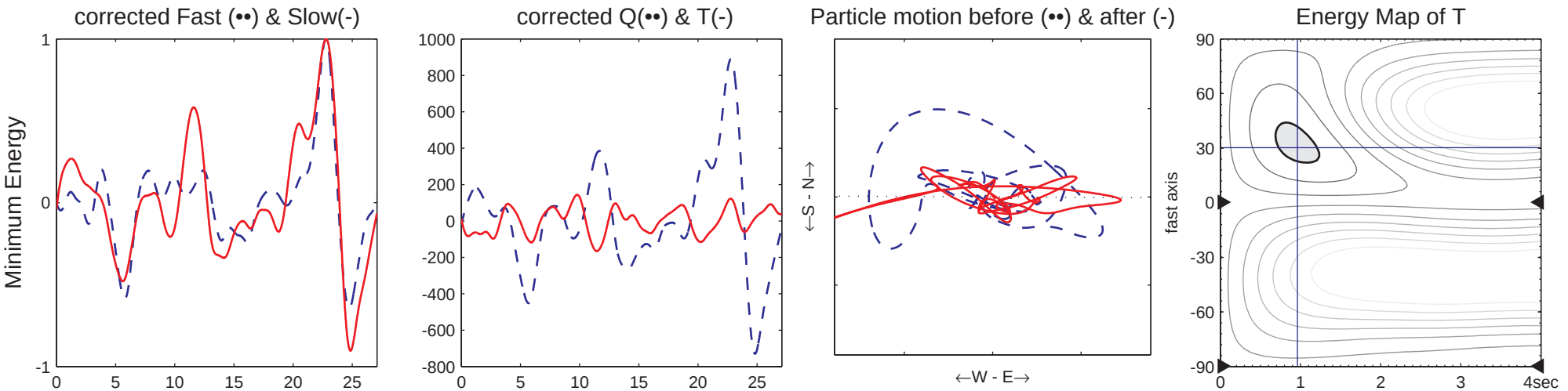
Rotation Correlation:	31<	40° <	54	0.6<0.8s<1.0
Minimum Energy:	21<	30° <	43	0.7<1.0s<1.2
Eigenvalue:	21<	34° <	56	0.6<0.9s<1.2

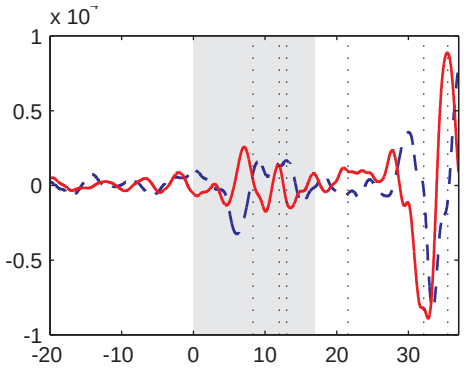
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



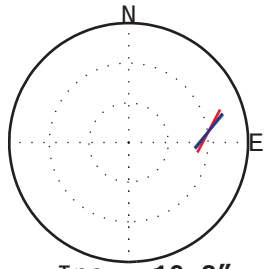


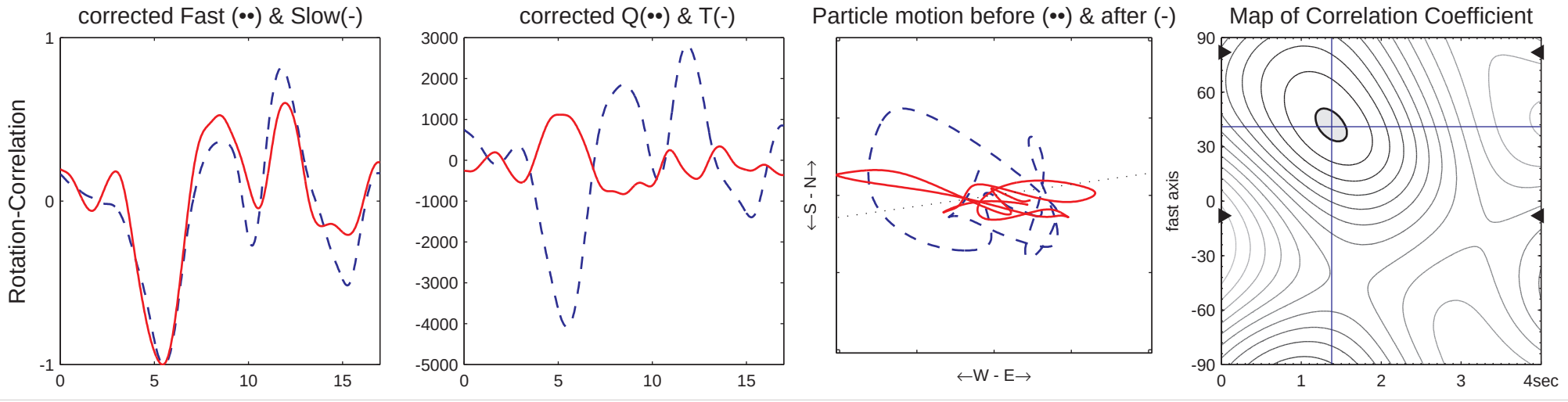


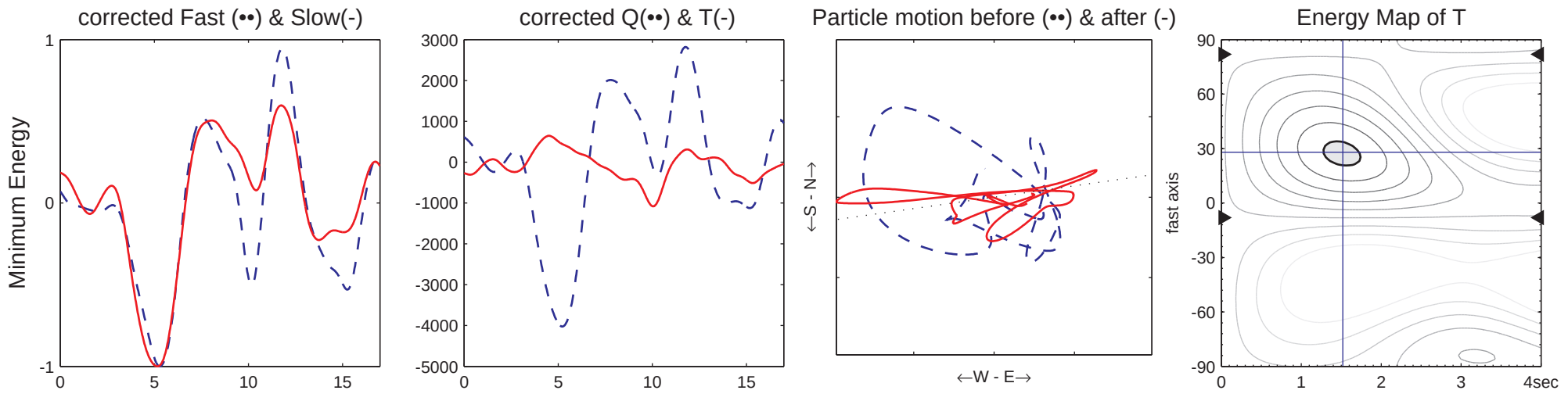
Event: **20-Aug-2007 (232) 13:46 6.13N 127.38E 8km Mw=6.5**
Station: **KDHN** Backazimuth: **81.9”** Distance: **90.28”**
init.Pol.: **274.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.6**

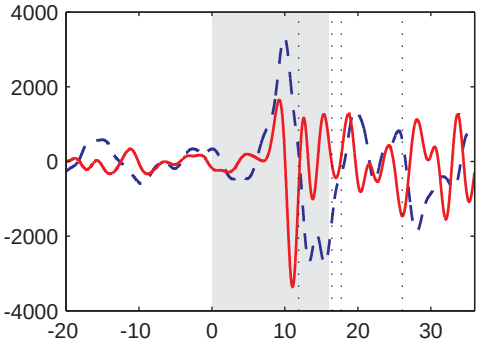
Rotation Correlation:	33<	41° <	51	1.2<1.4s<1.6
Minimum Energy:	21<	28° <	33	1.3<1.5s<1.8
Eigenvalue:	29<	38° <	48	1.2<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





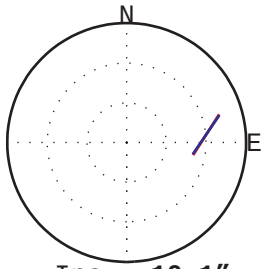




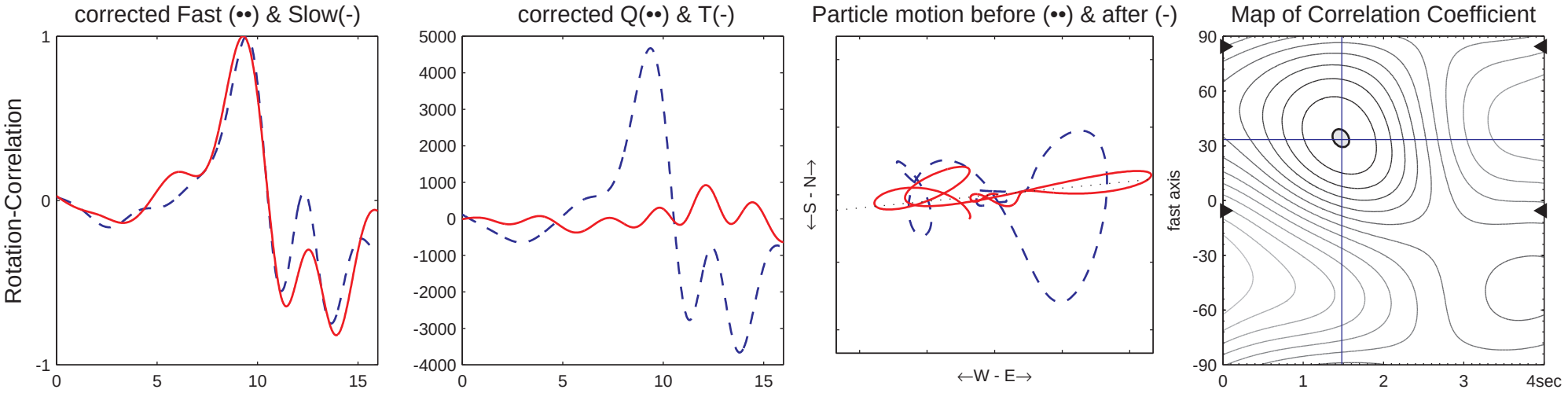
Event: **13-Sep-2007 (256) 09:48 3.79N 126.31E 10km Mw=6.3**
Station: **KDHN** Backazimuth: **84.4”** Distance: **90.91”**
init.Pol.: **266.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.0**

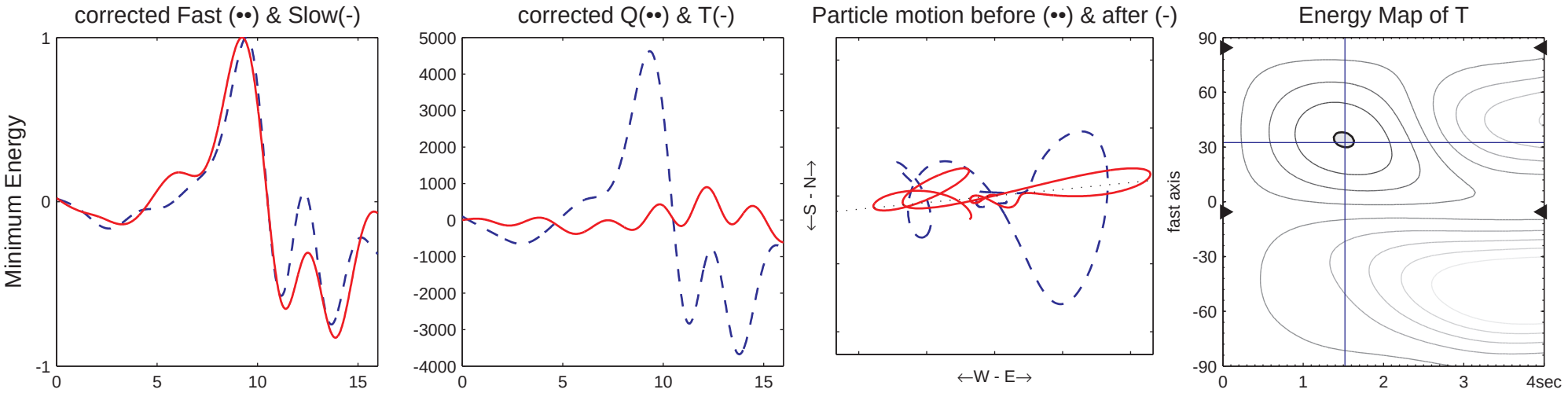
Rotation Correlation:	30<	33° <	39	1.4<1.5s<1.6
Minimum Energy:	29<	32° <	37	1.4<1.5s<1.6
Eigenvalue:	31<	34° <	41	1.4<1.5s<1.6

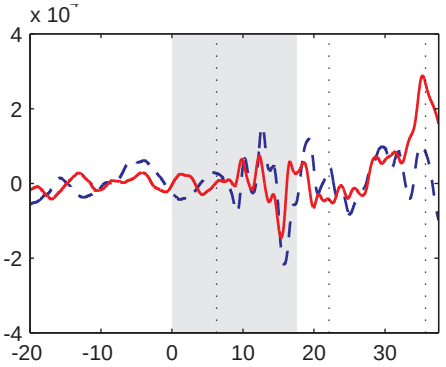
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



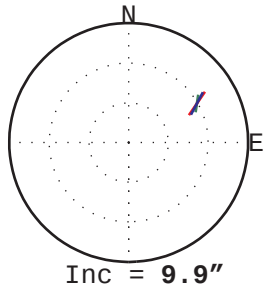


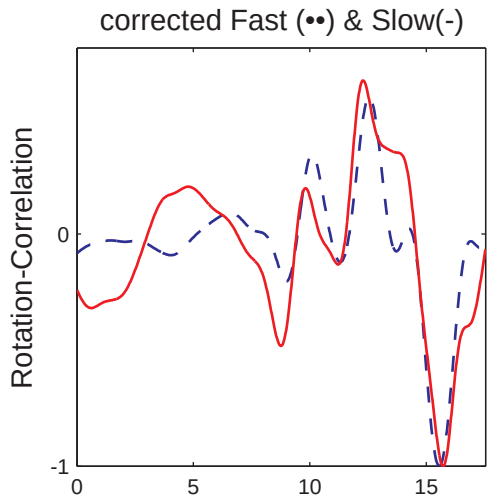


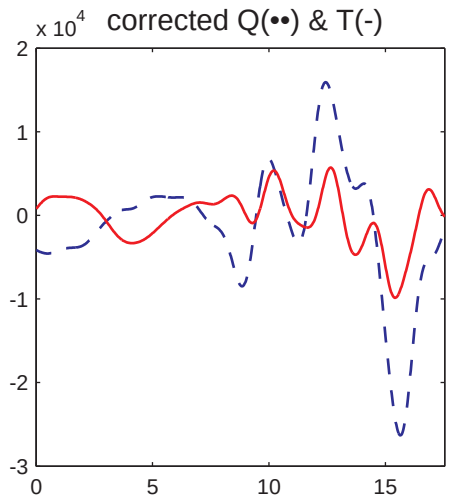
Event: **28-Sep-2007 (271) 13:38 21.99N 142.68E 272km Mw=7.4**
Station: **KDHN** Backazimuth: **60.3”** Distance: **91.24”**
init.Pol.: **235.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

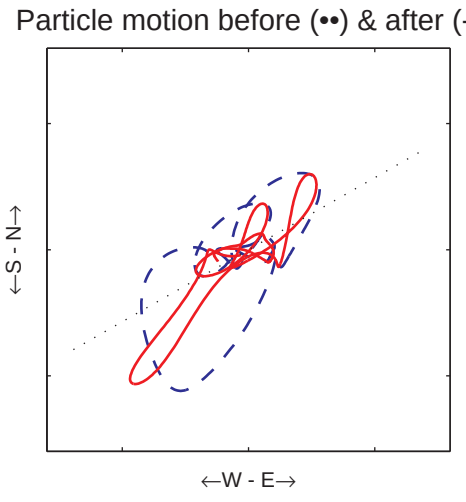
Rotation Correlation:	-2<	8° <	20	0.4<0.6s<0.7
Minimum Energy:	25<	34° <	41	0.6<0.9s<1.1
Eigenvalue:	11<	28° <	41	0.5<0.8s<1.1

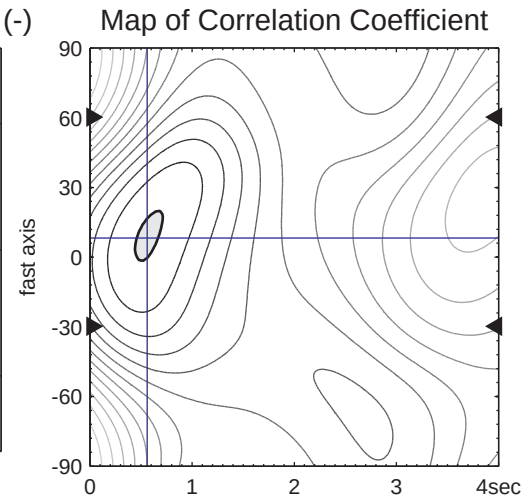
Quality: **fair** IsNull: **No** Phase: **SKS**

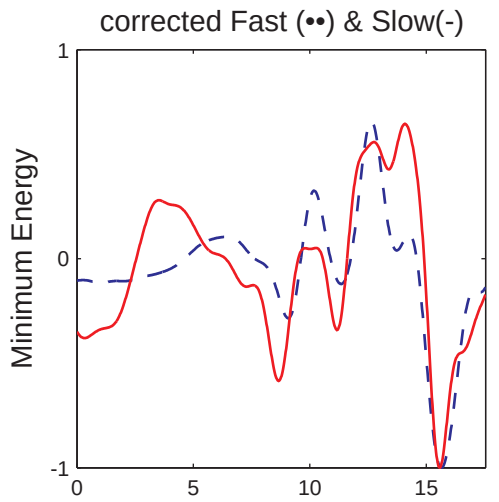


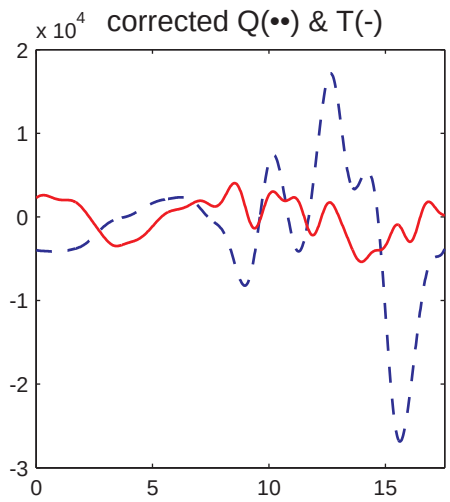


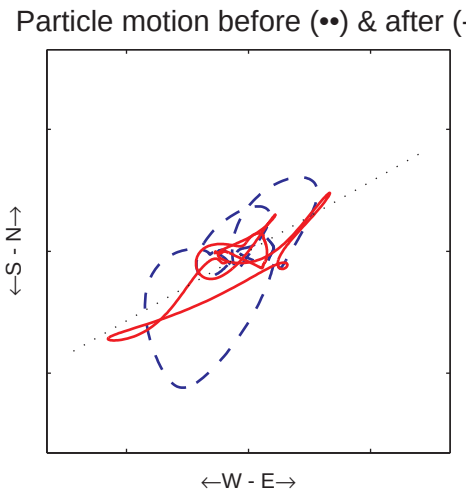


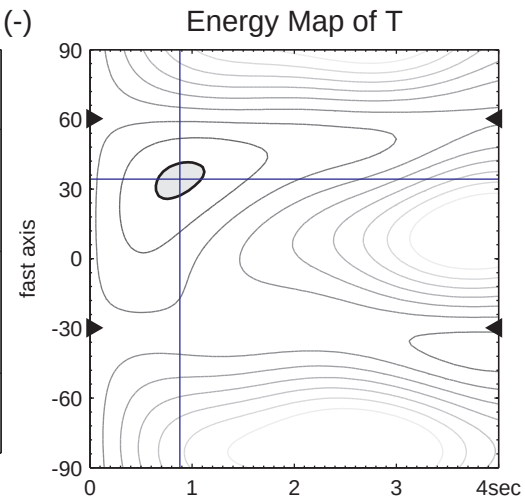


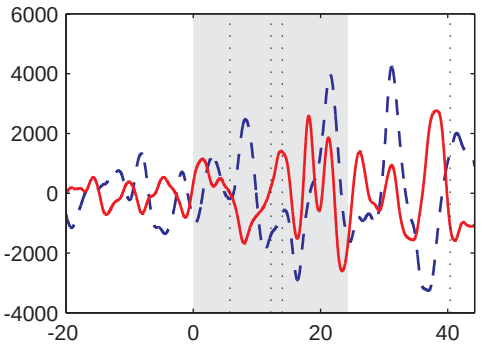








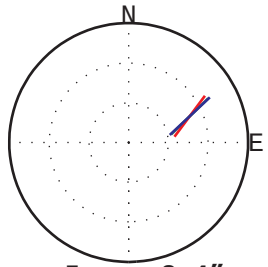




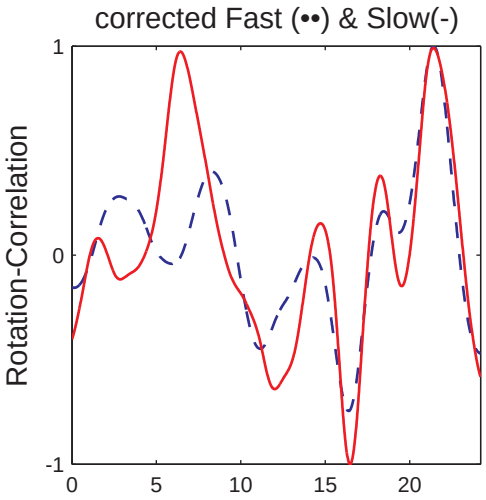
Event: **30-Sep-2007 (273) 02:08 10.46N 145.68E 14km Mw=7.1**
Station: **KDHN** Backazimuth: **66.8”** Distance: **101.22”**
init.Pol.: **261.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

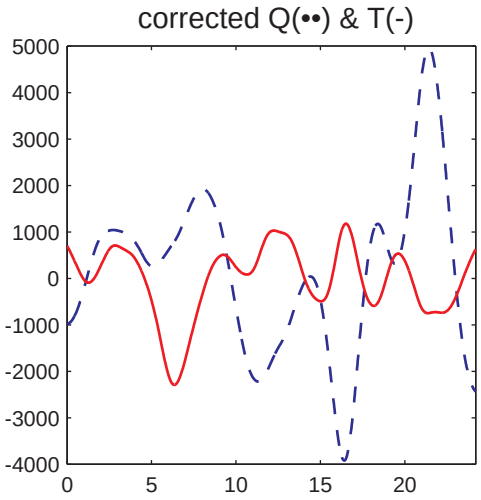
Rotation Correlation:	40<	46° <	54	1.4<1.6s<1.8
Minimum Energy:	27<	37° <	46	1.2<1.6s<2.0
Eigenvalue:	35<	47° <	60	1.4<1.7s<2.0

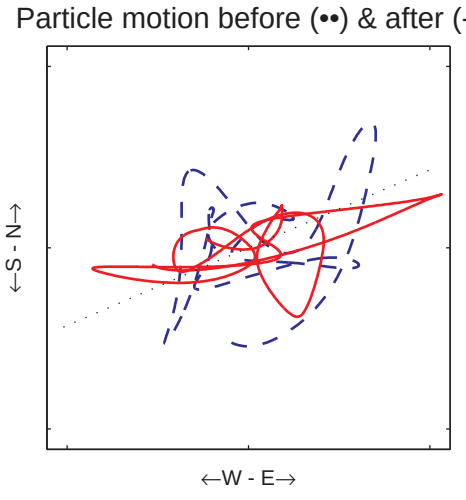
Quality: **fair** IsNull: **No** Phase: **SKS**

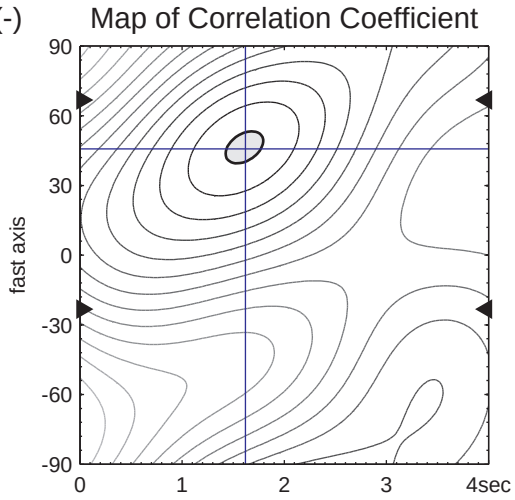


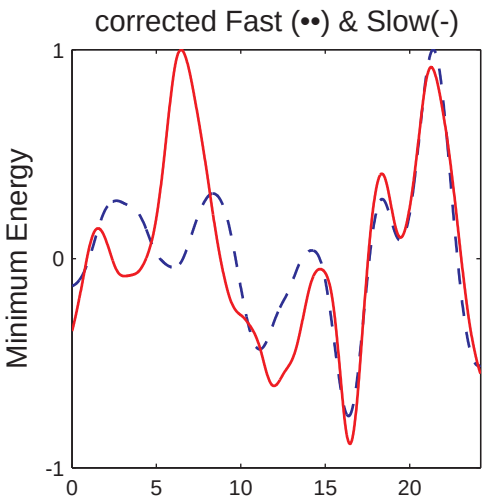
Inc = **8.4”**

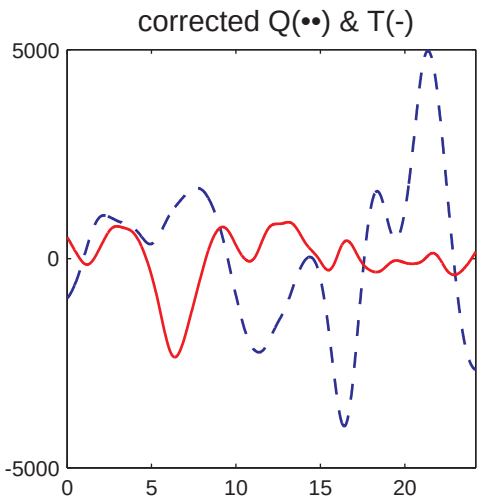


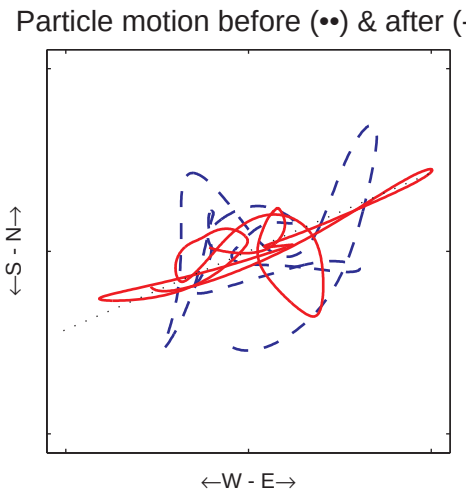


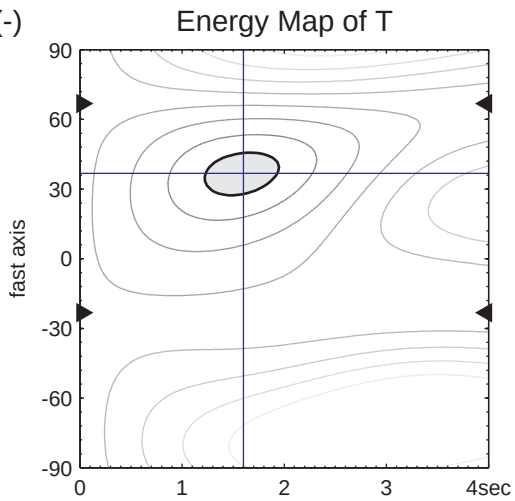


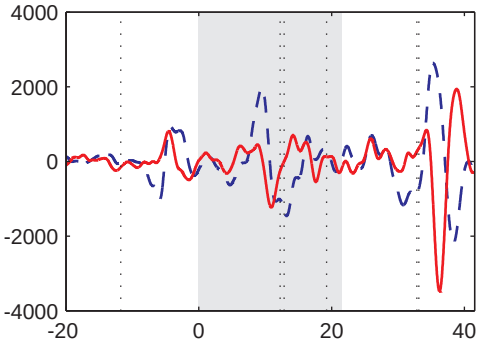








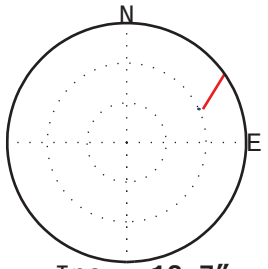




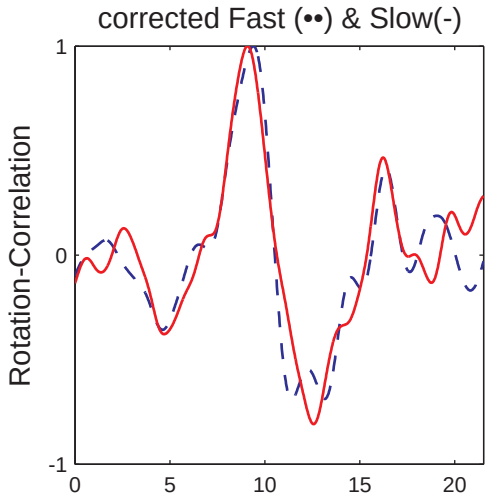
Event: **06-Oct-2007 (279) 12:38 18.72N 147.14E 61km Mw=6.1**
Station: **KDHN** Backazimuth: **59.7”** Distance: **96.52”**
init.Pol.: **250.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.3**

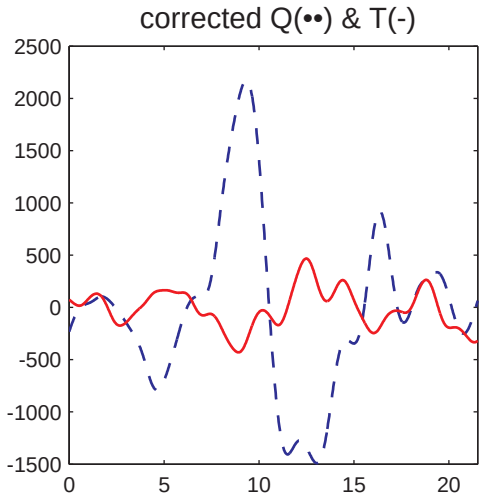
Rotation Correlation:	32<	39° <	47	1.2<1.4s<1.6
Minimum Energy:	23<	32° <	39	1.0<1.3s<1.6
Eigenvalue:	31<	42° <	50	1.2<1.4s<1.7

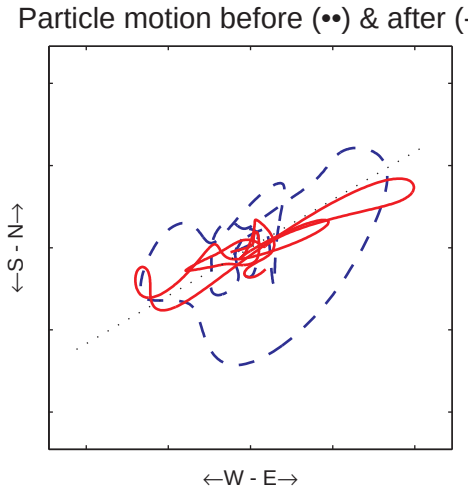
Quality: **good** IsNull: **No** Phase: **SKKS**

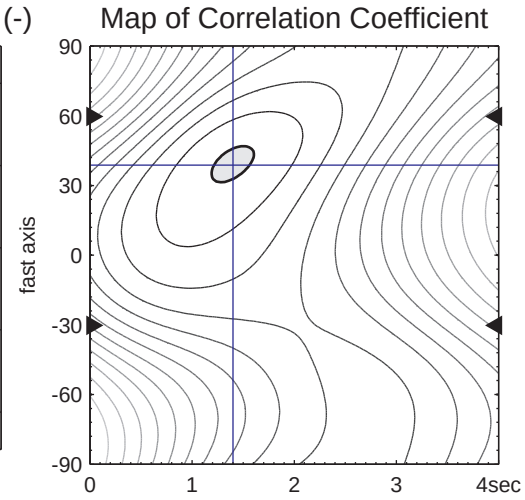


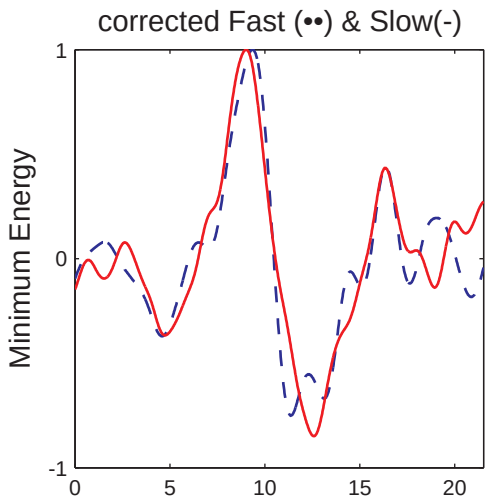
Inc = **12.7”**

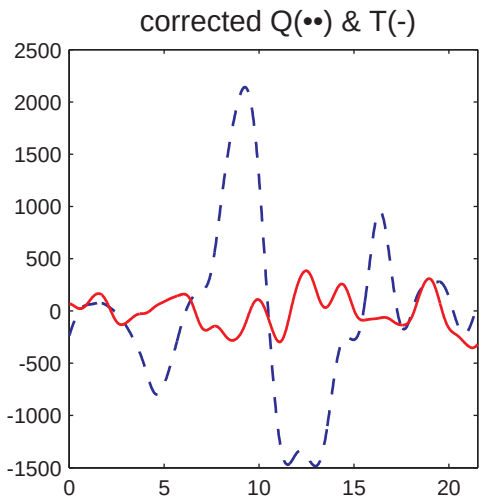


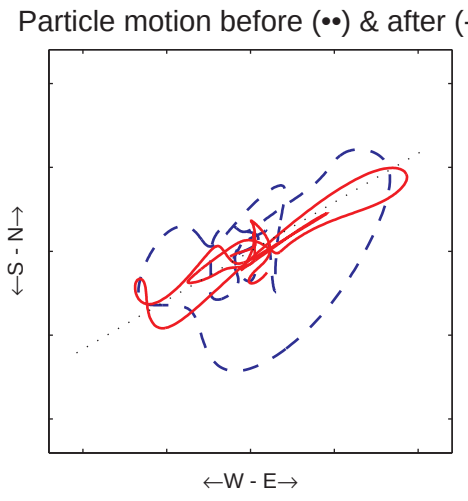


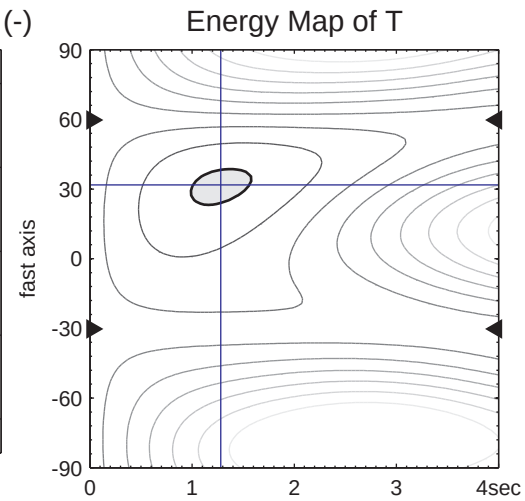


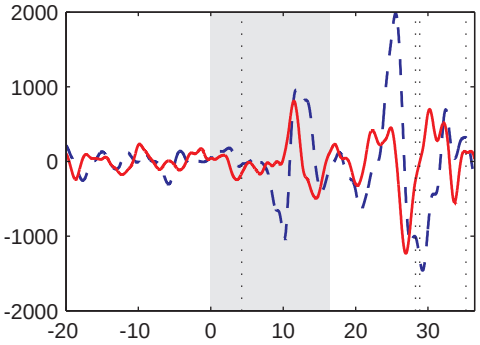








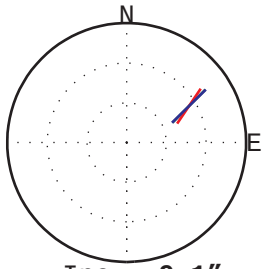


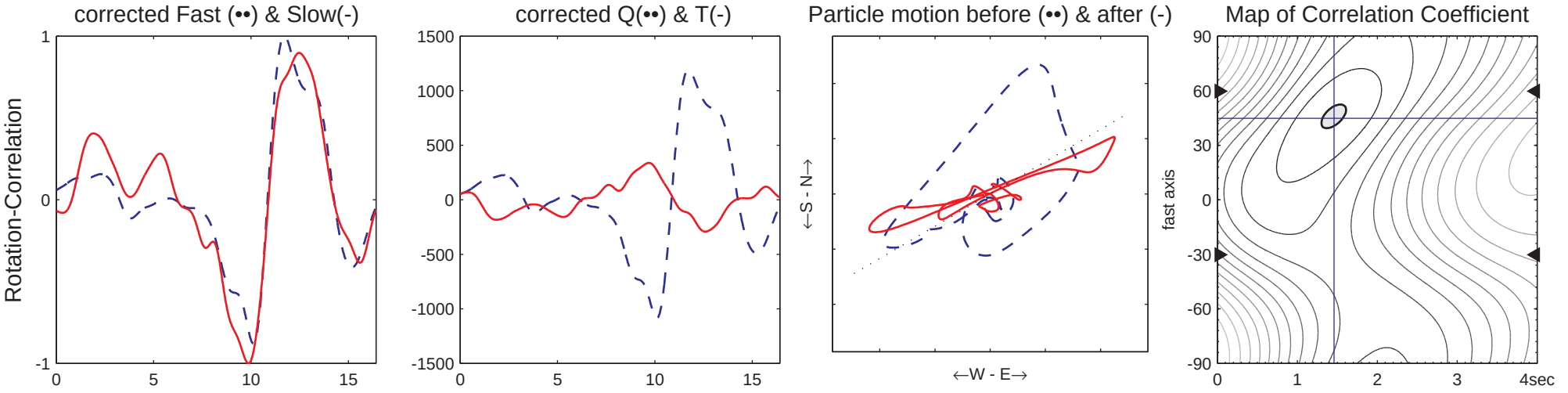


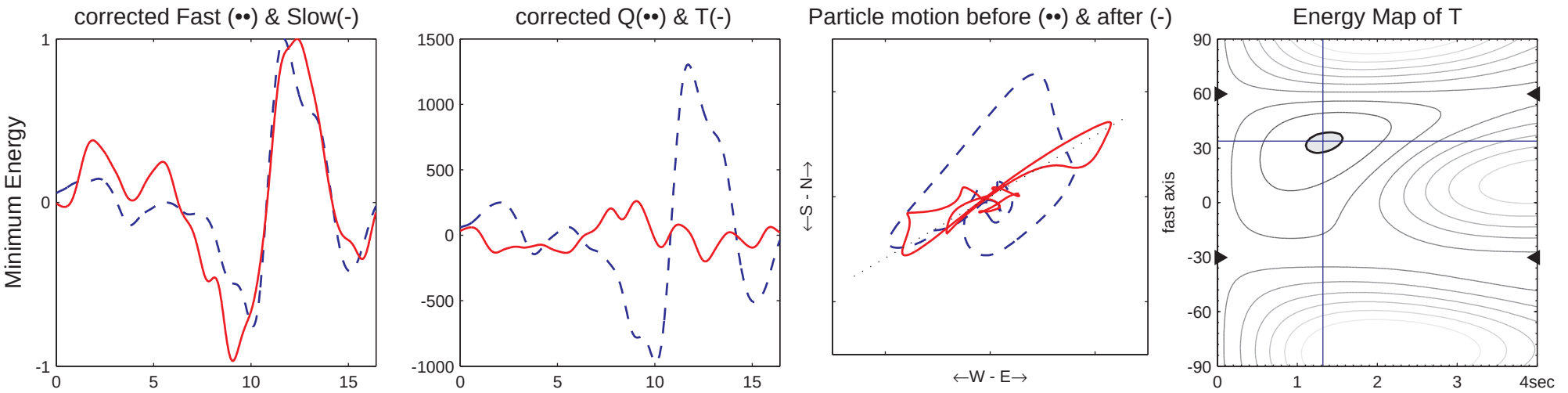
Event: **06-Oct-2007 (279) 12:38 18.72N 147.14E 61km Mw=6.1**
Station: **KDHN** Backazimuth: **59.7”** Distance: **96.52”**
init.Pol.: **254.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.2**

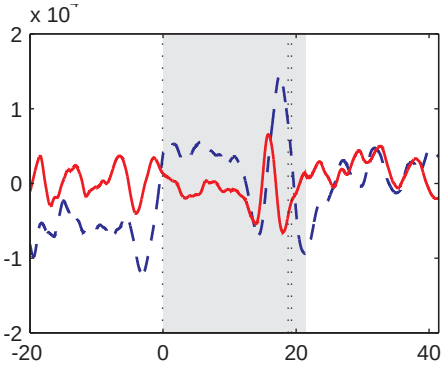
Rotation Correlation:	40<	45° <	53	1.3<1.5s<1.6
Minimum Energy:	27<	34° <	39	1.1<1.3s<1.6
Eigenvalue:	39<	46° <	52	1.3<1.5s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





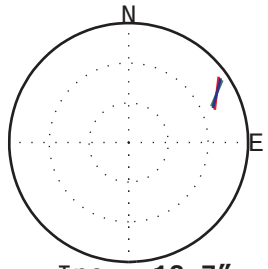




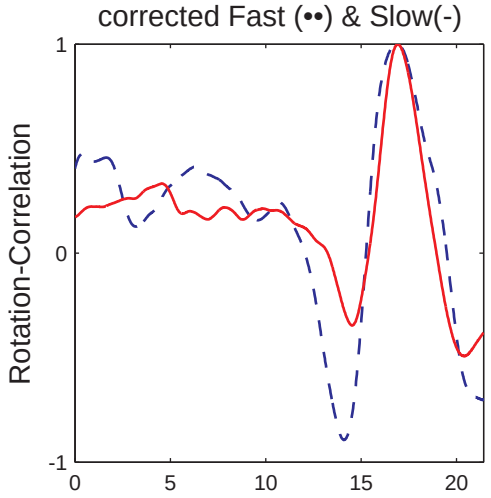
Event: **31-Oct-2007 (304) 03:30 18.90N 145.39E 207km Mw=7.2**
Station: **KDHN** Backazimuth: **60.8”** Distance: **95.20”**
init.Pol.: **245.4”** Filter: **0.000Hz - InfHz** SNR_{SC}: **5.5**

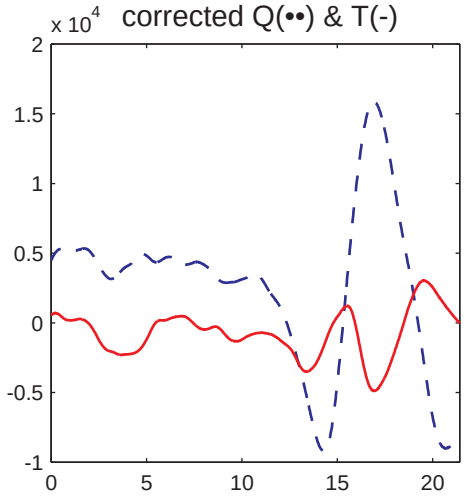
Rotation Correlation:	15<	23° <	33	0.7<0.9s<1.0
Minimum Energy:	-7<	7° <	23	0.8<1.0s<1.4
Eigenvalue:	-7<	15° <	39	0.7<1.0s<1.3

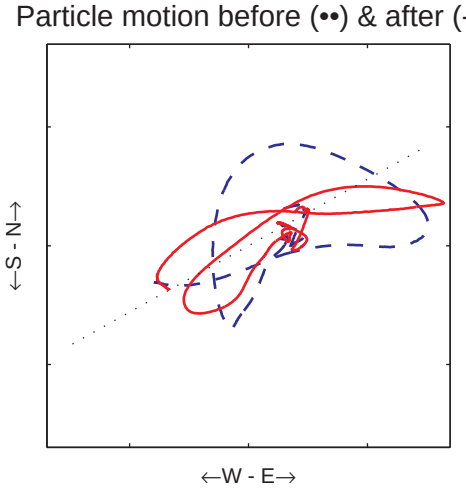
Quality: **fair** IsNull: **No** Phase: **SKKS**

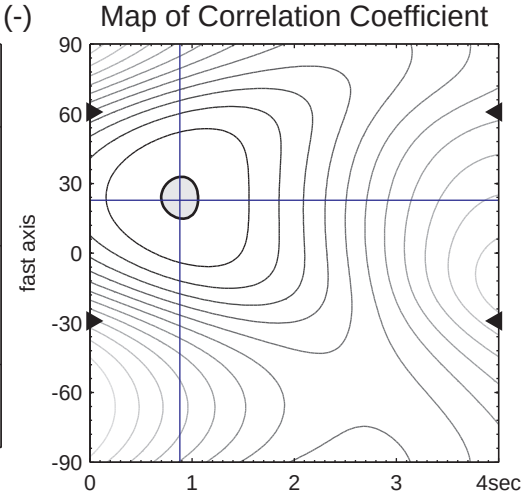


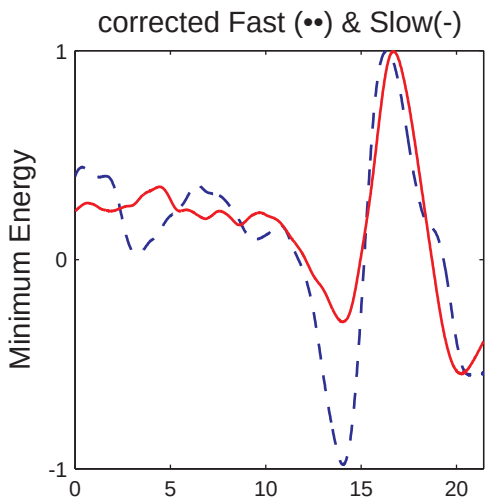
Inc = **12.7”**

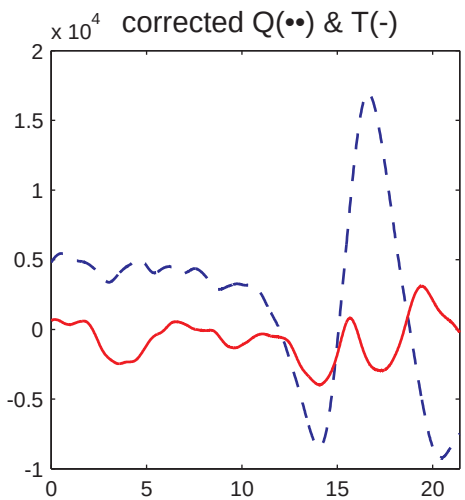


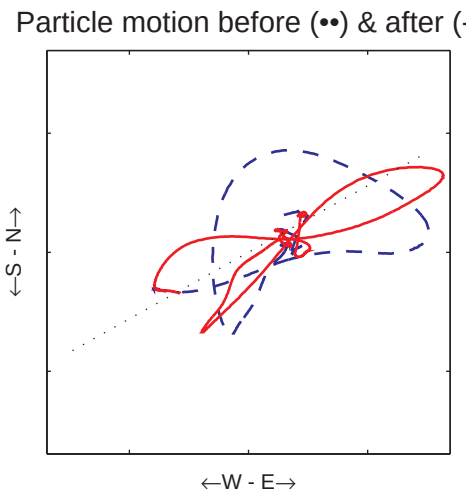


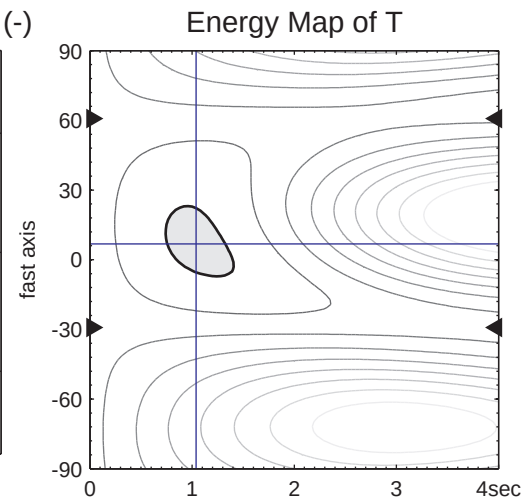


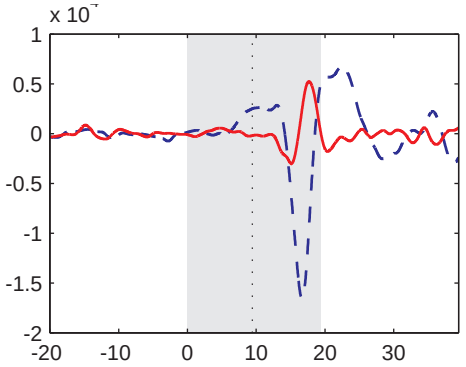








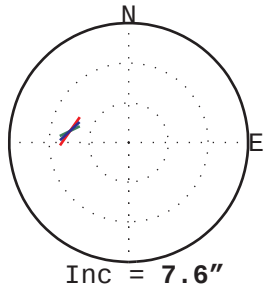


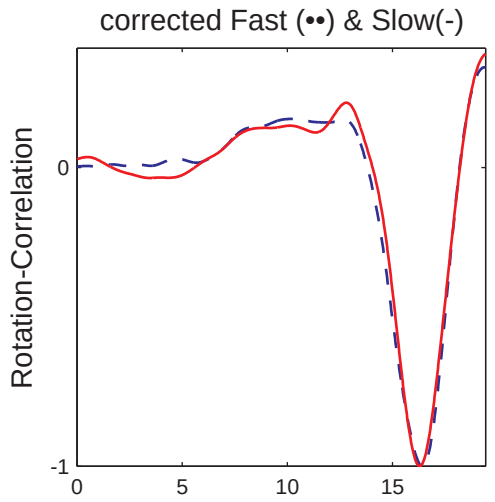


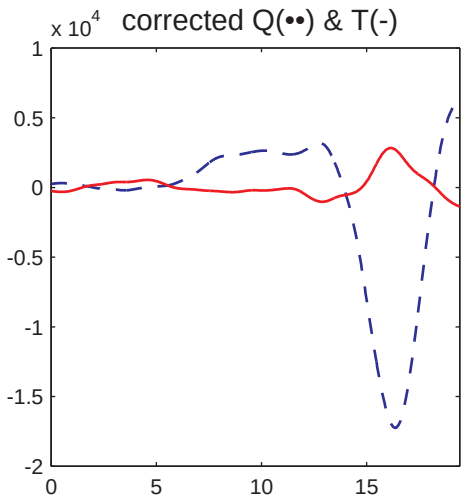
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **KDHN** Backazimuth: **280.9”** Distance: **106.97”**
init.Pol.: **105.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**23.5**

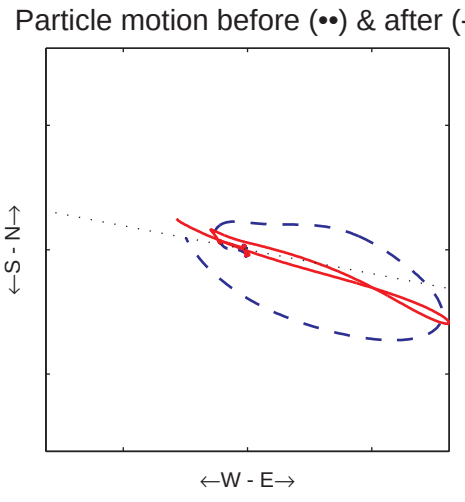
Rotation Correlation:	51<	64° <	79	0.6<0.7s<0.8
Minimum Energy:	31<	35° <	39	0.9<1.1s<1.3
Eigenvalue:	41<	47° <	58	0.7<0.8s<1.0

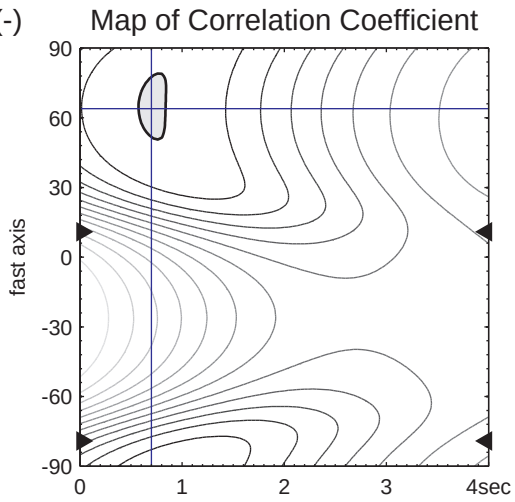
Quality: **fair** IsNull: **No** Phase: **SKS**

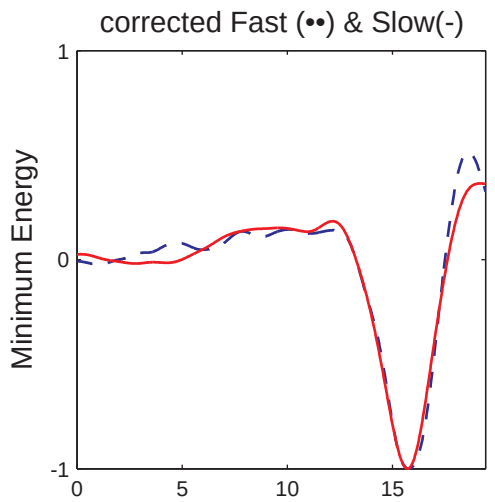


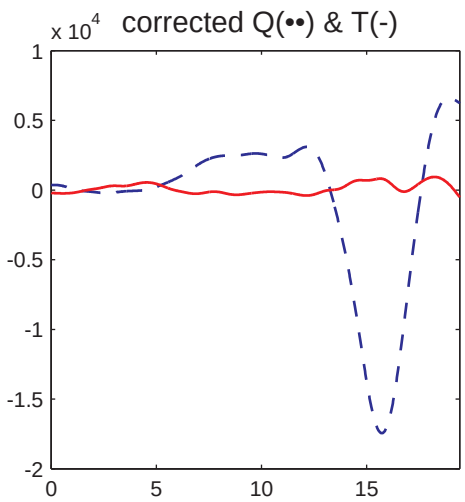


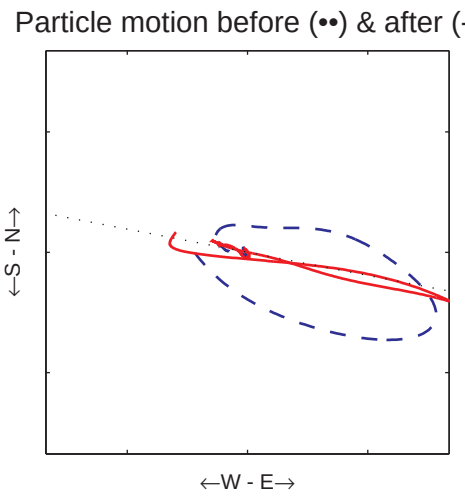


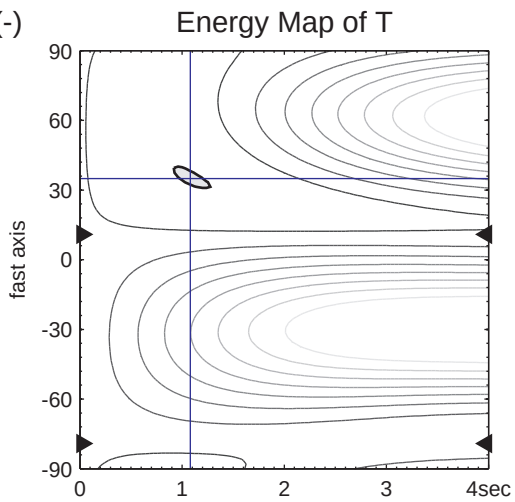


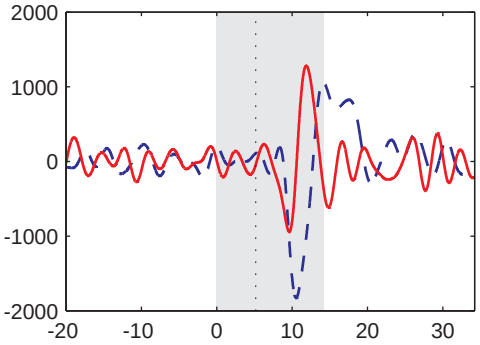








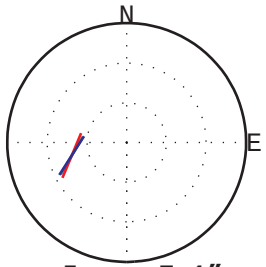


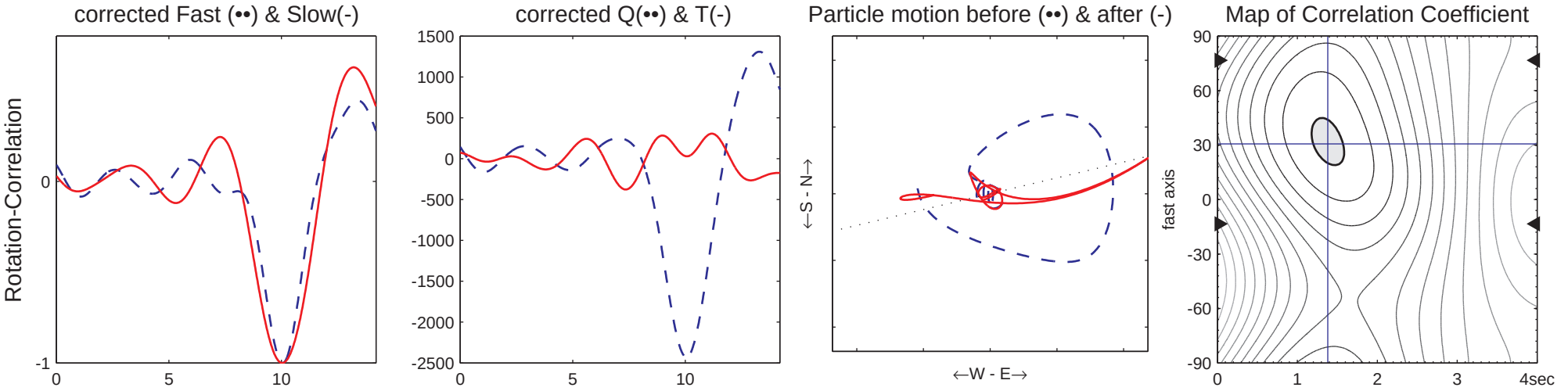


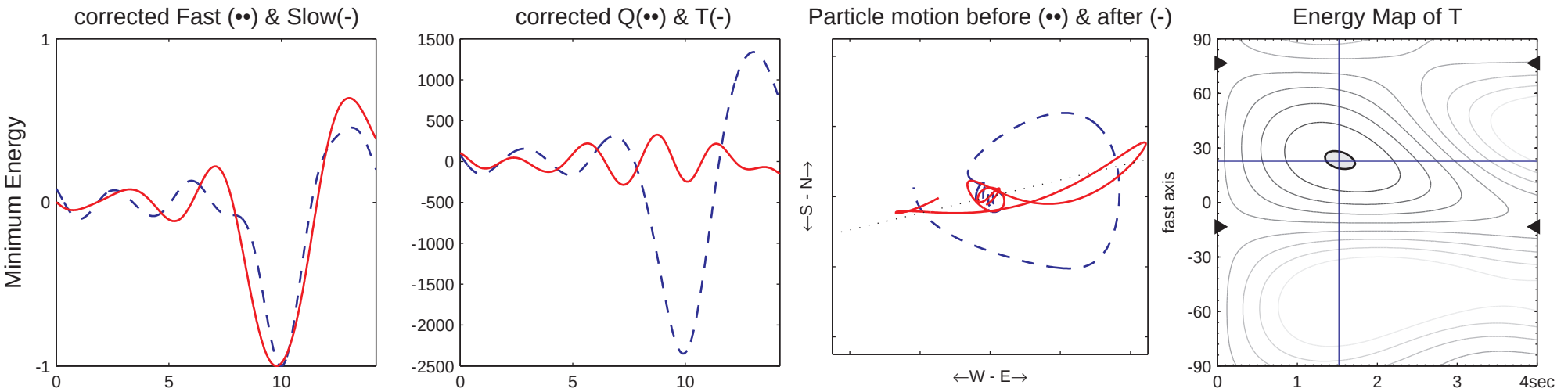
Event: **18-Nov-2007 (322) 05:40 -22.64N -66.32E 246km Mw=6.0**
Station: **KDHN** Backazimuth: **256.6”** Distance: **110.23”**
init.Pol.: **85.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.2**

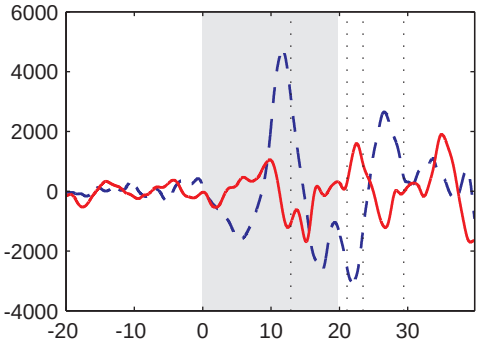
Rotation Correlation:	19<	31° <	45	1.2<1.4s<1.6
Minimum Energy:	19<	23° <	27	1.4<1.5s<1.7
Eigenvalue:	19<	33° <	48	1.2<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





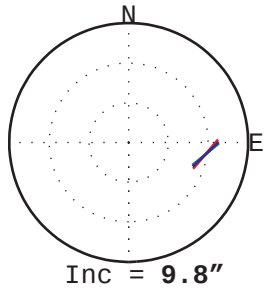


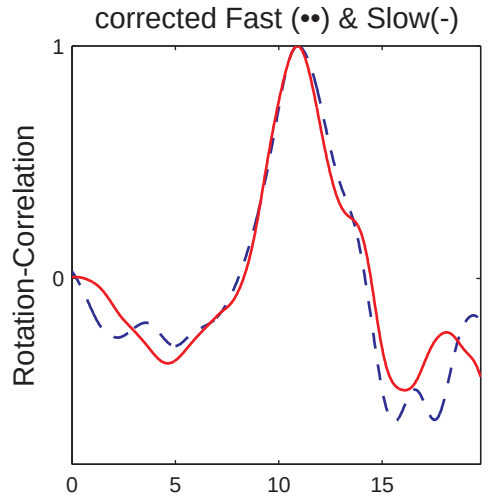


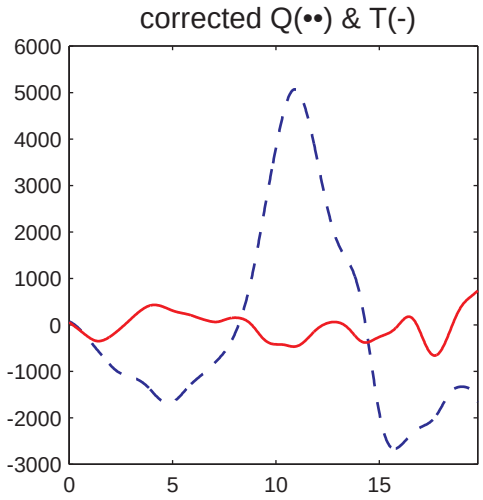
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **KDHN** Backazimuth: **98.7”** Distance: **92.28”**
init.Pol.: **281.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.2**

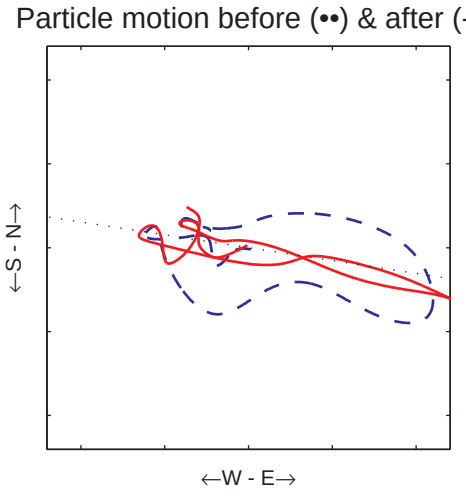
Rotation Correlation:	38<	51° <	67	0.8<1.1s<1.4
Minimum Energy:	29<	41° <	58	0.8<1.2s<1.7
Eigenvalue:	29<	47° <	74	0.8<1.1s<1.6

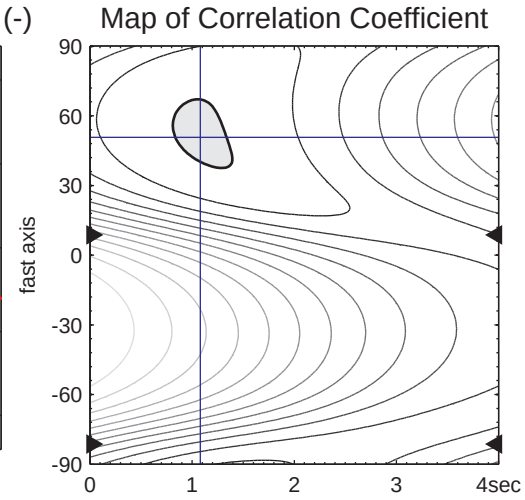
Quality: **fair** IsNull: **No** Phase: **SKS**

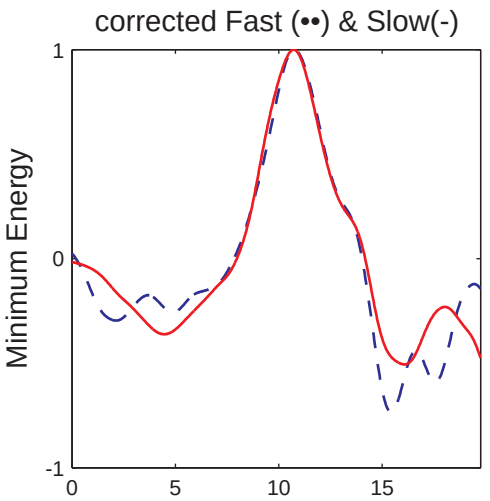


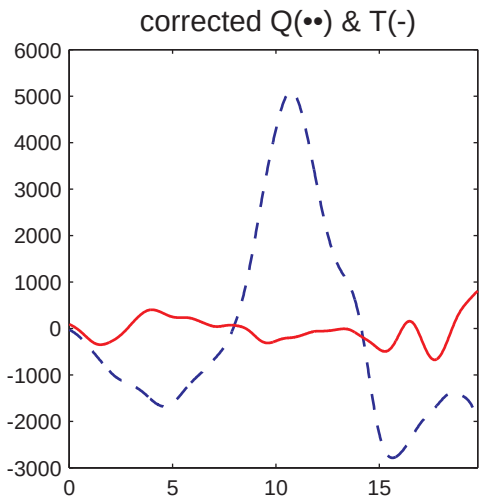


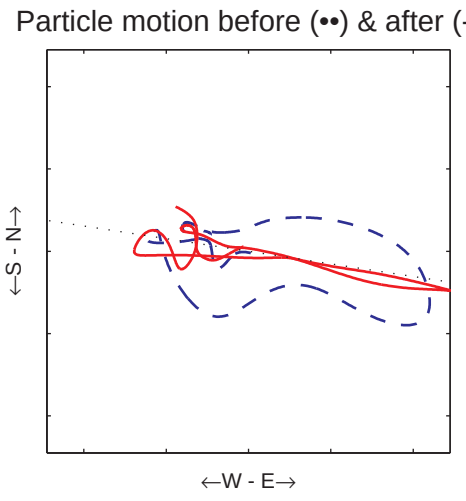


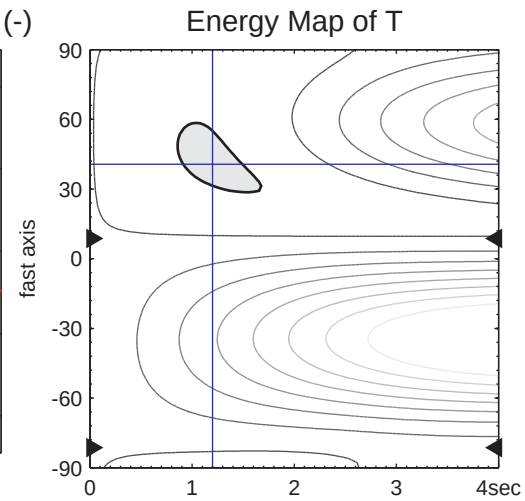


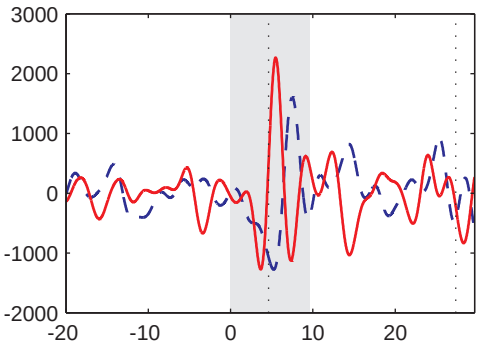








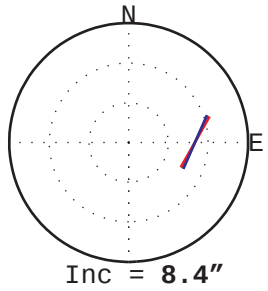


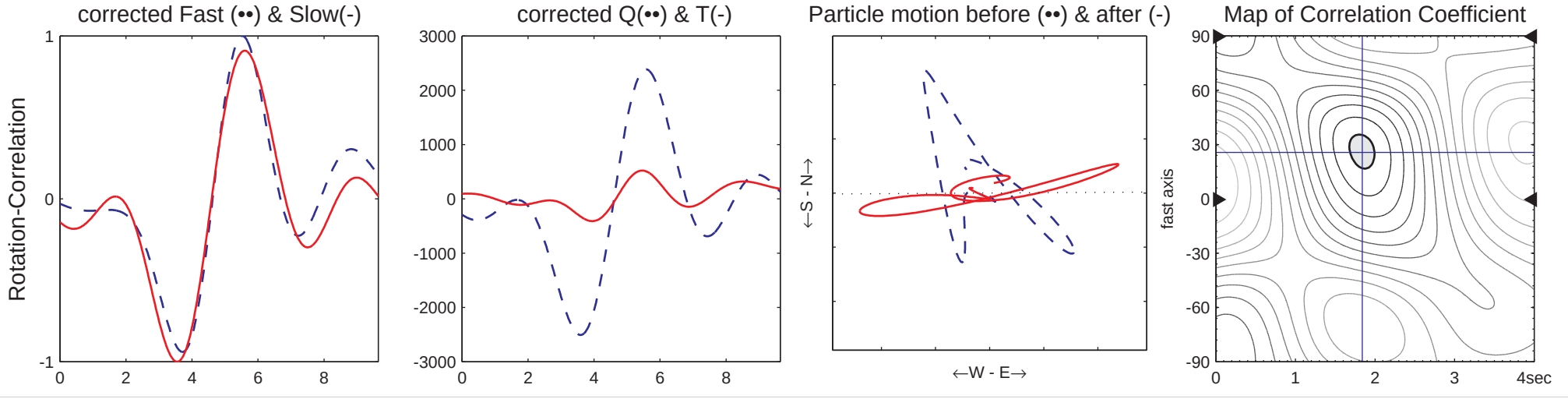


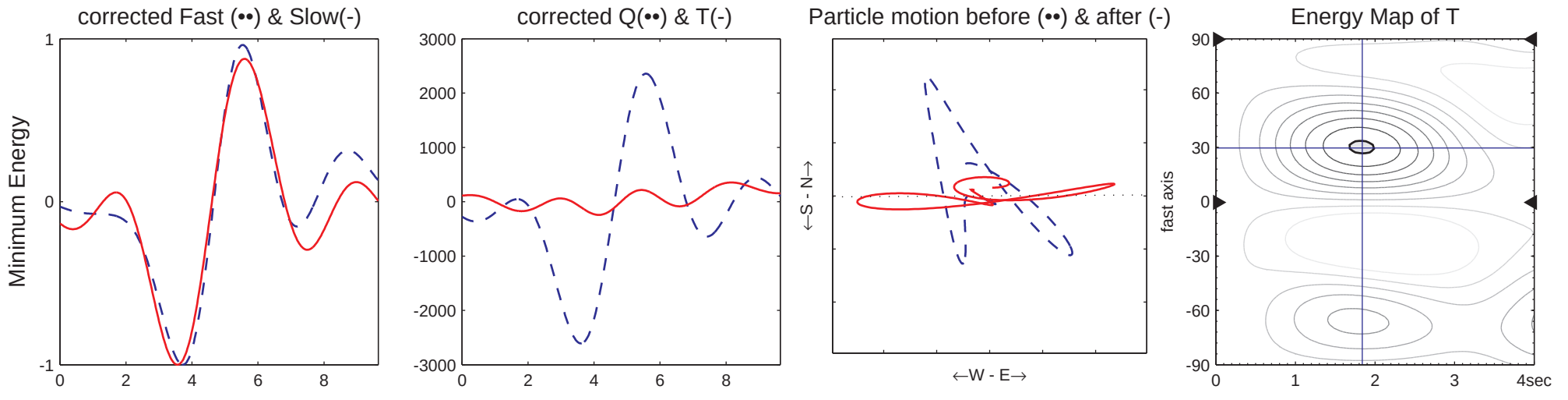
Event: **15-Dec-2007 (349) 09:39 -6.62N 131.09E 57km Mw=6.4**
Station: **KDHN** Backazimuth: **89.6”** Distance: **101.13”**
init.Pol.: **257.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.0**

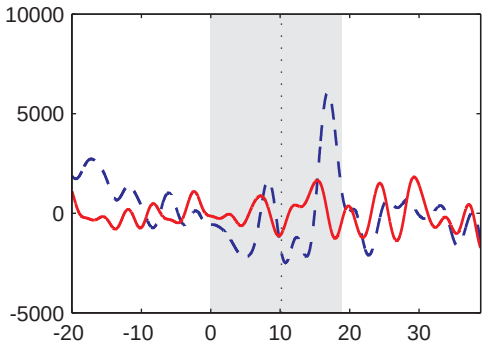
Rotation Correlation:	17<	26° <	36	1.7<1.8s<2.0
Minimum Energy:	27<	30° <	33	1.7<1.8s<2.0
Eigenvalue:	15<	24° <	29	1.8<1.8s<2.0

Quality: **good** IsNull: **No** Phase: **SKS**





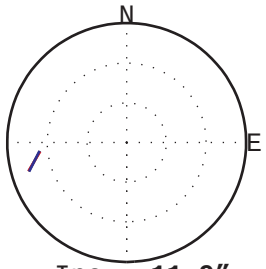




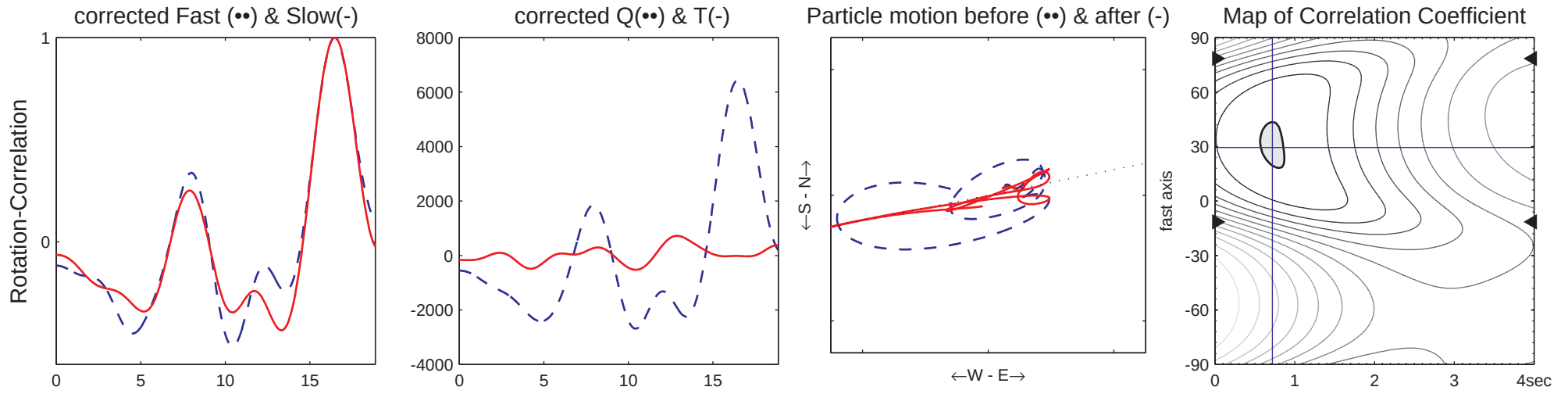
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **KDHN** Backazimuth: **258.5”** Distance: **113.35”**
init.Pol.: **77.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.0**

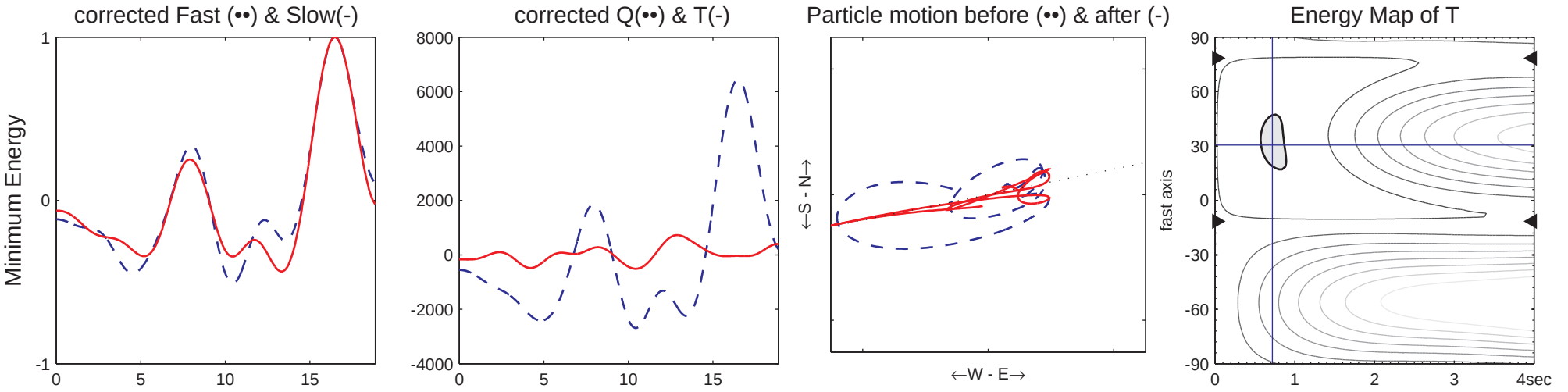
Rotation Correlation:	19<	30° <	44	0.6<0.7s<0.9
Minimum Energy:	17<	31° <	48	0.6<0.7s<0.9
Eigenvalue:	7<	27° <	50	0.6<0.7s<1.0

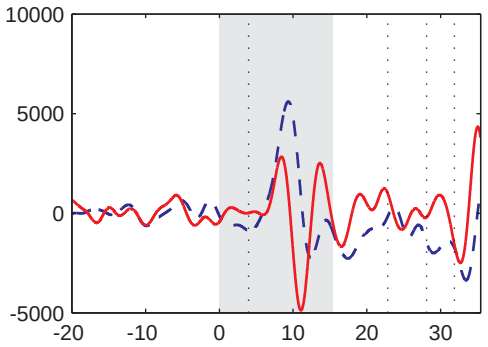
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **11.9”**



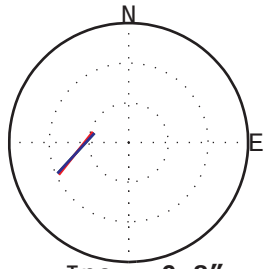




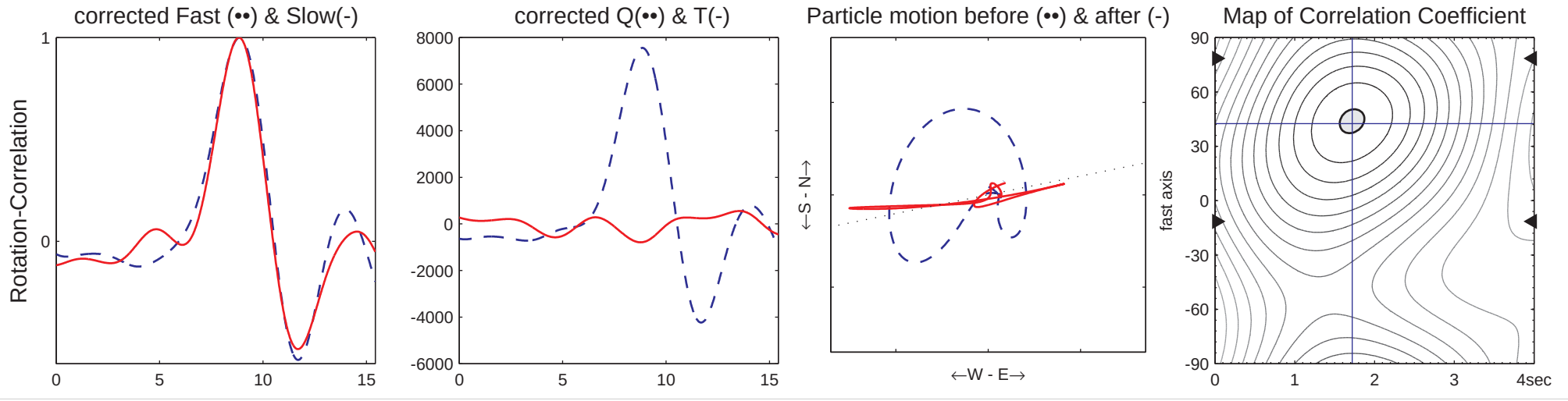
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **KDHN** Backazimuth: **258.5”** Distance: **113.35”**
init.Pol.: **83.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.1**

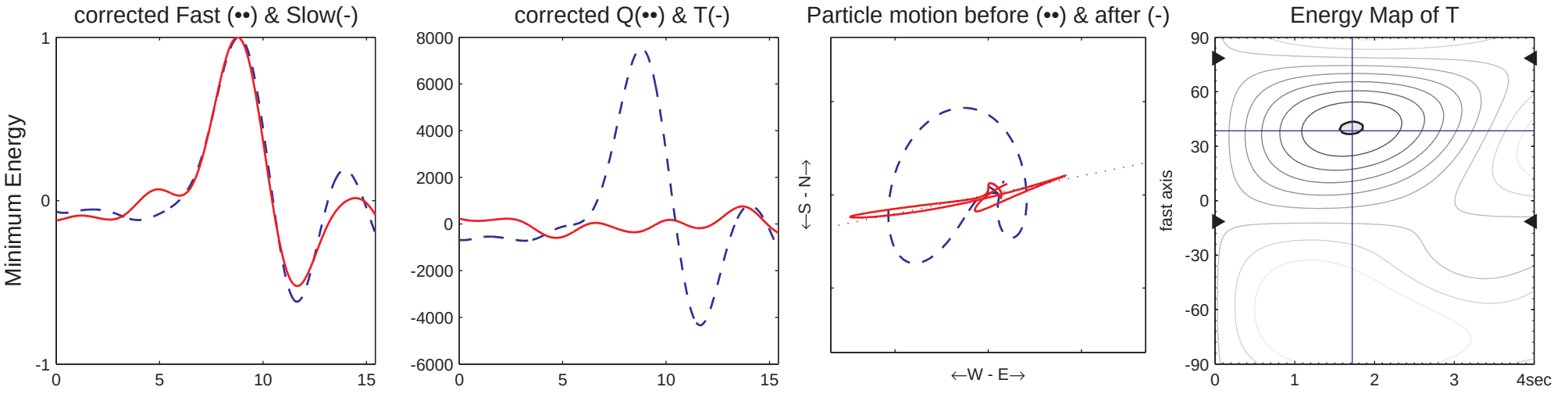
Rotation Correlation:	37<	43° <	51	1.6<1.7s<1.9
Minimum Energy:	37<	39° <	43	1.6<1.7s<1.8
Eigenvalue:	39<	43° <	50	1.6<1.7s<1.8

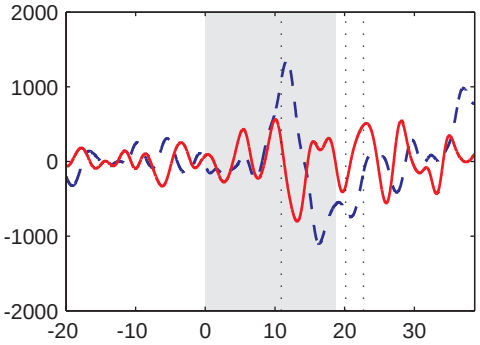
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



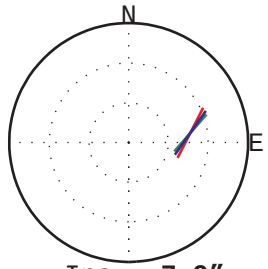


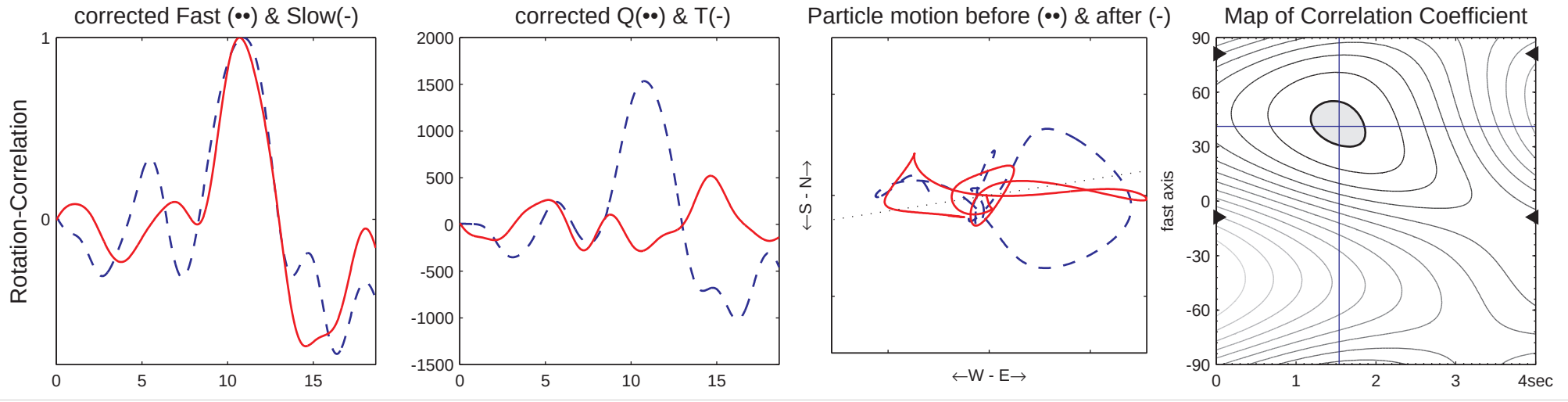


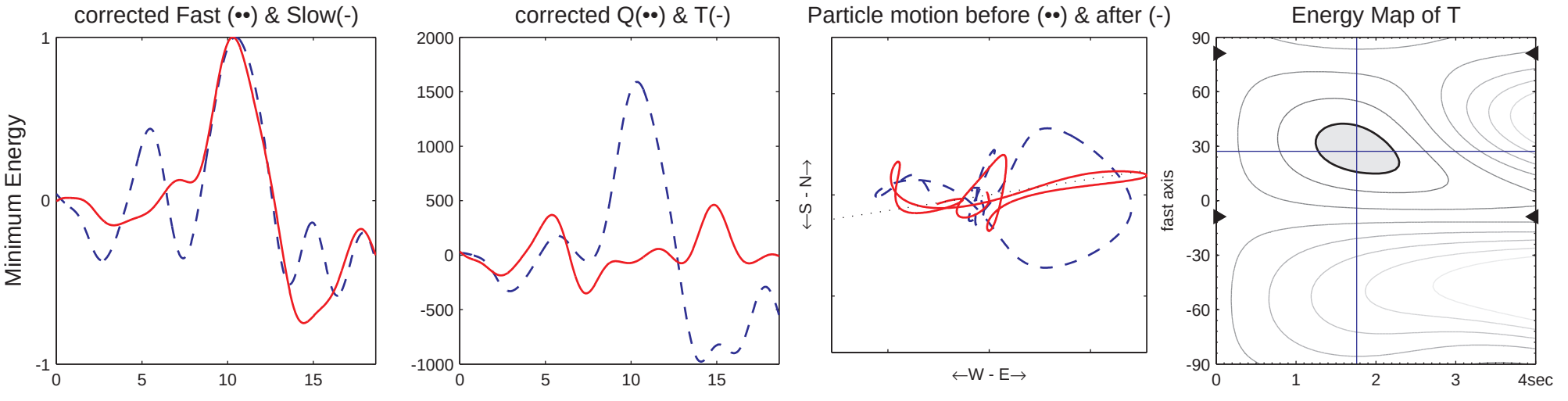
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **KDHN** Backazimuth: **81.2”** Distance: **104.72”**
init.Pol.: **268.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

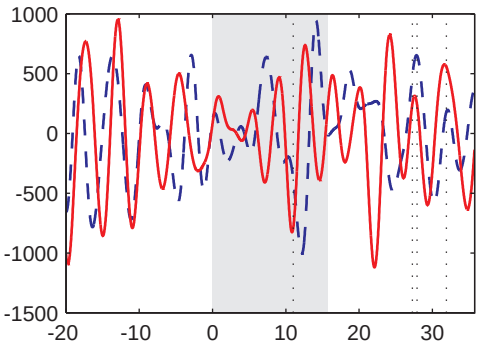
Rotation Correlation:	30<	41° <	55	1.2<1.5s<1.9
Minimum Energy:	15<	27° <	41	1.2<1.8s<2.3
Eigenvalue:	19<	35° <	52	1.2<1.7s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





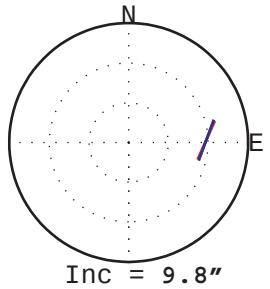


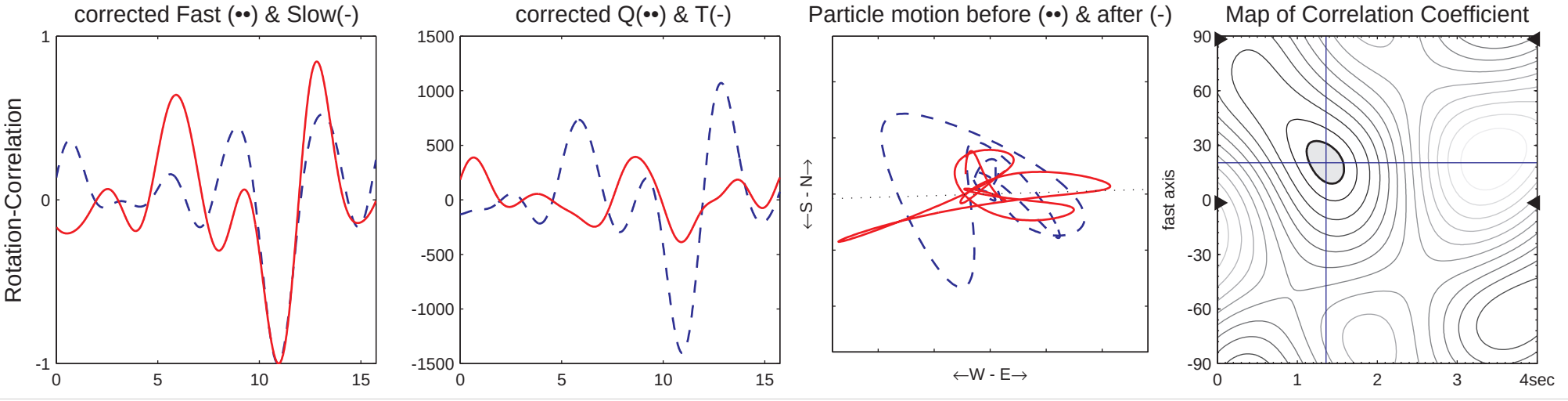


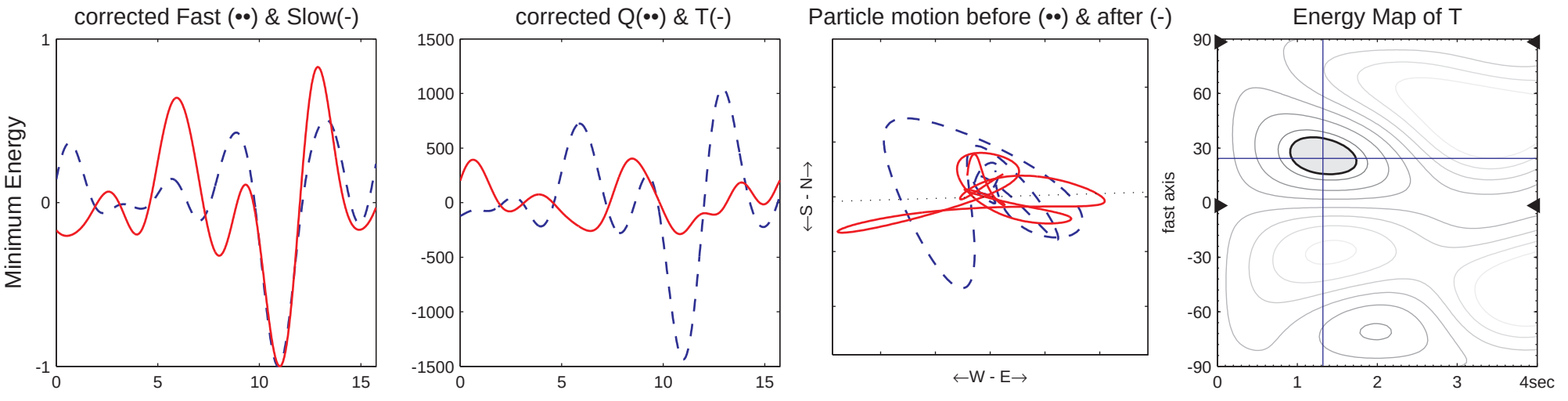
Event: **09-Feb-2008 (040) 18:34 -0.24N 125.08E 38km Mw=6.0**
Station: **KDHN** Backazimuth: **88.3”** Distance: **92.47”**
init.Pol.: **261.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

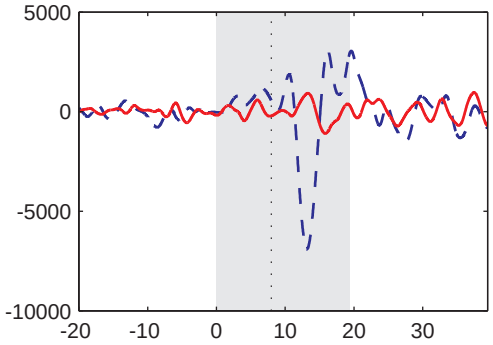
Rotation Correlation:	9<	20° <	33	1.1<1.4s<1.6
Minimum Energy:	15<	24° <	35	0.9<1.3s<1.7
Eigenvalue:	5<	20° <	39	0.9<1.4s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





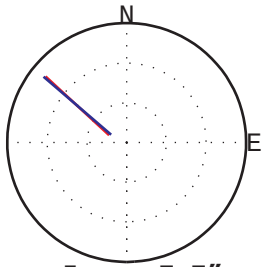


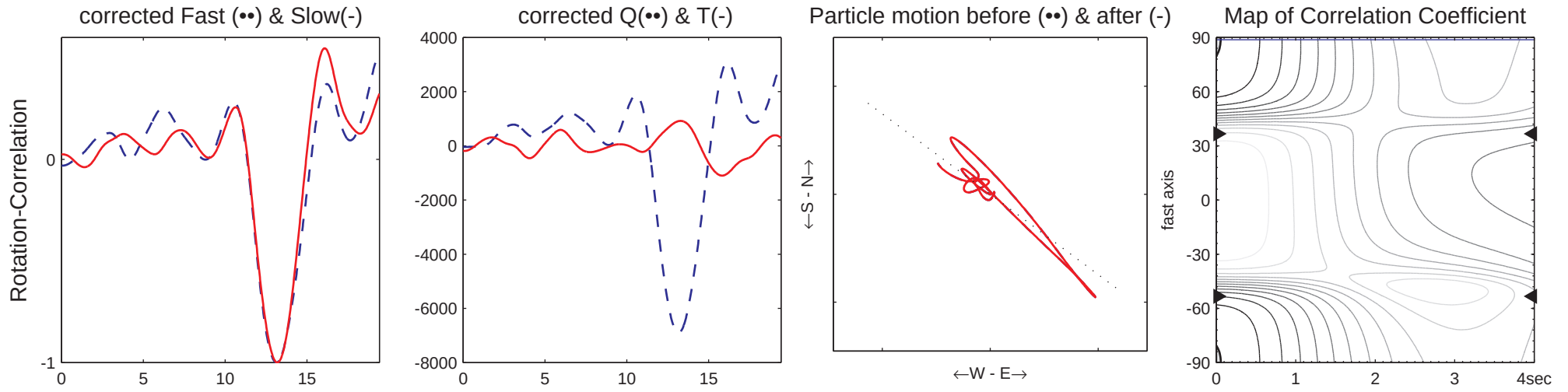


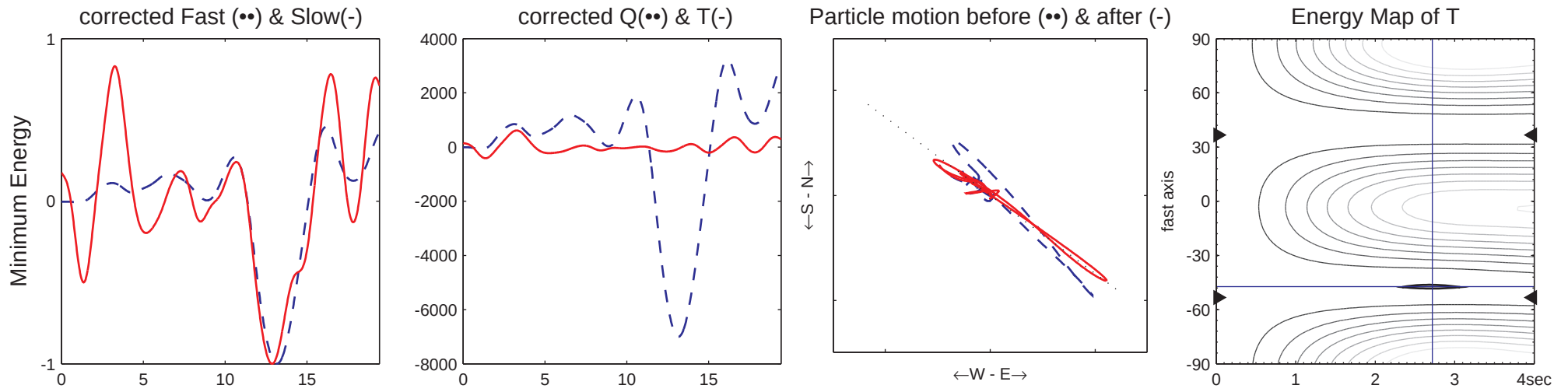
Event: **12-Feb-2008 (043) 12:50 16.36N -94.30E 83km Mw=6.5**
Station: **KDHN** Backazimuth: **306.7”** Distance: **105.68”**
init.Pol.: **122.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**16.7**

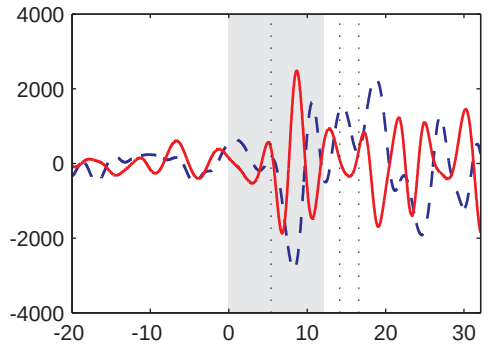
Rotation Correlation:	80<	89° < -82	0.0<0.0s<0.0
Minimum Energy:	-50<	-47° < -48	2.4<2.7s<3.1
Eigenvalue:	-54<	-49° < -48	2.4<2.8s<3.1

Quality: **good** IsNull: **Yes** Phase: **SKS**





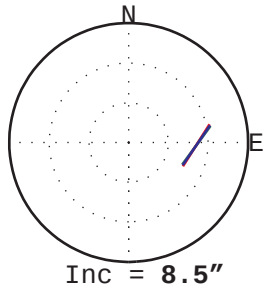


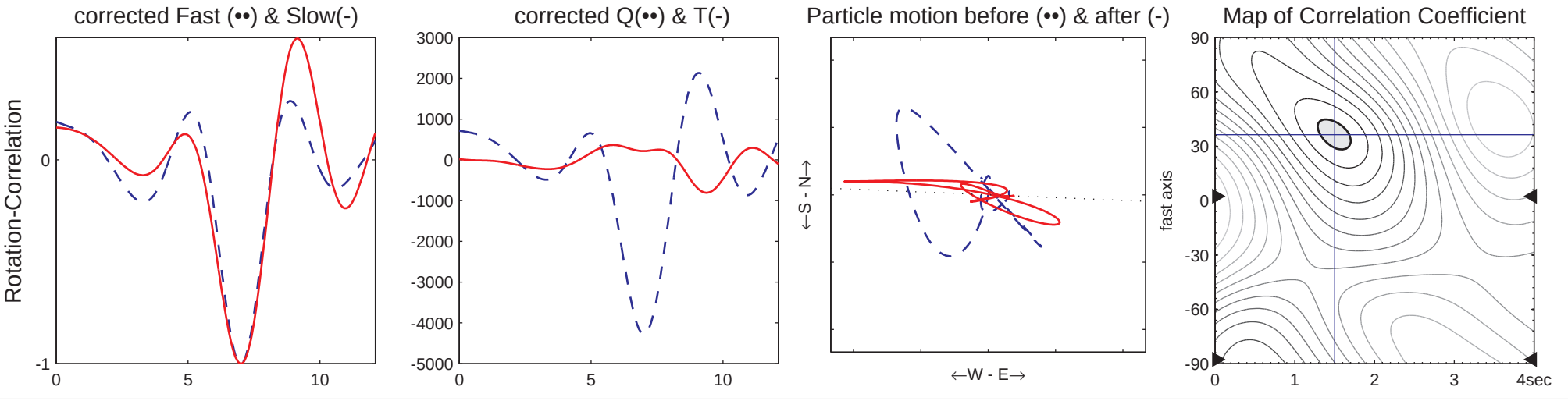


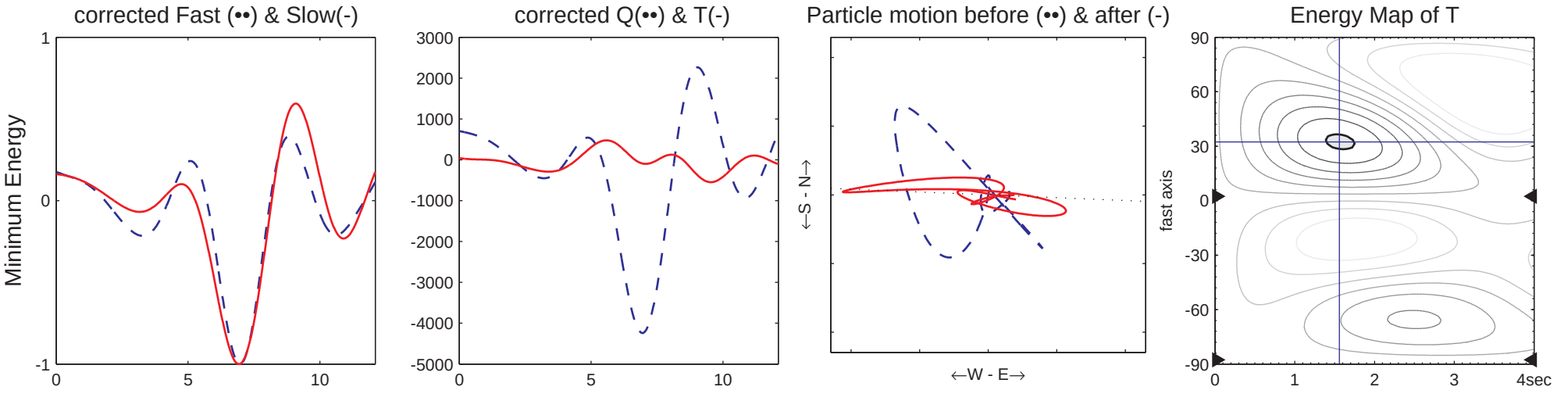
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **KDHN** Backazimuth: **92.4”** Distance: **100.16”**
init.Pol.: **277.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.1**

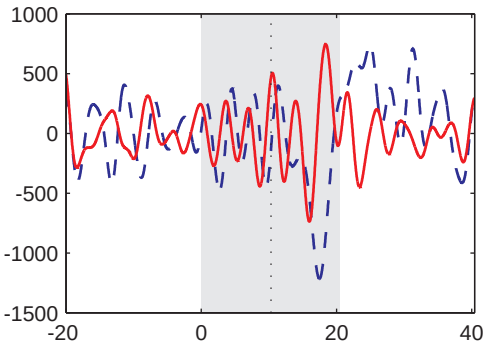
Rotation Correlation:	29<	36° <	45	1.3<1.5s<1.7
Minimum Energy:	29<	32° <	37	1.4<1.6s<1.8
Eigenvalue:	29<	34° <	43	1.3<1.5s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





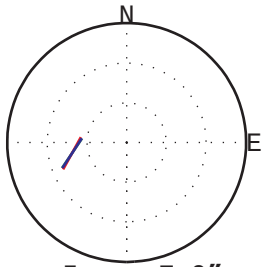


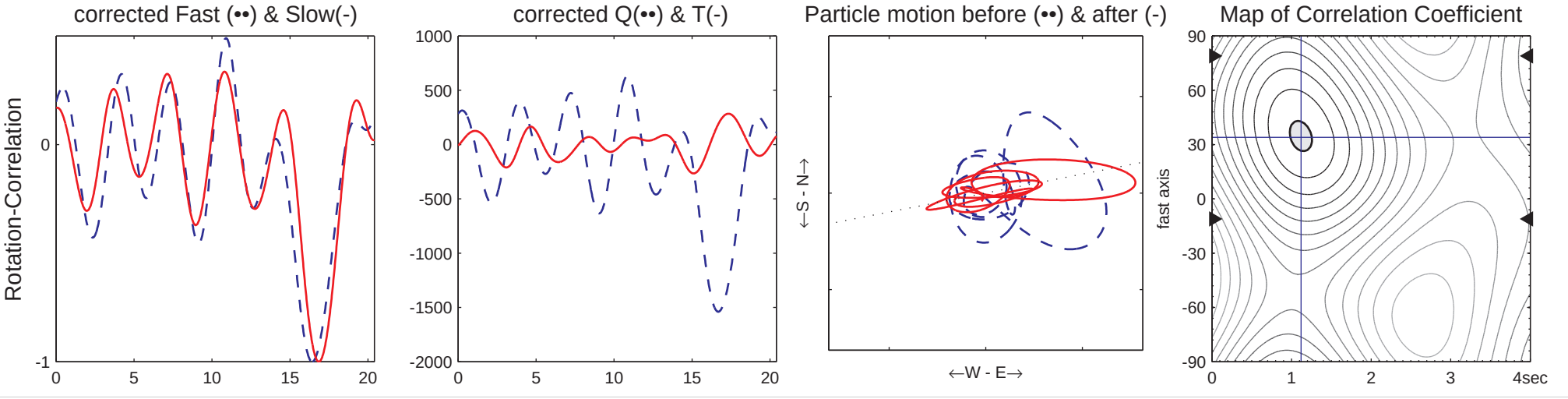


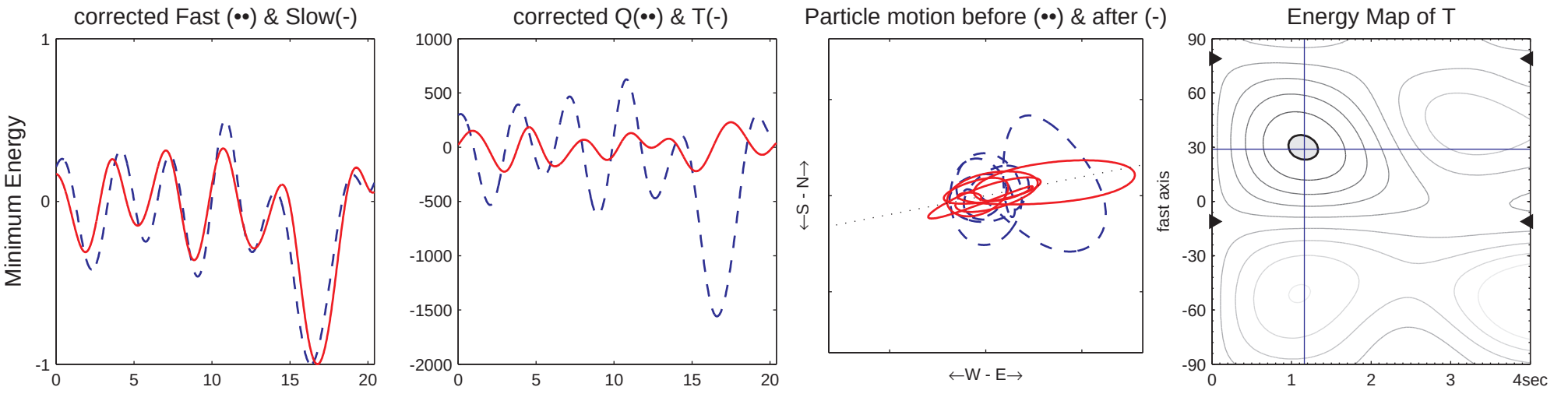
Event: **16-Feb-2008 (047) 14:45 -21.35N -68.39E 130km** Mw=**6.1**
Station: **KDHN** Backazimuth: **258.9”** Distance: **111.07”**
init.Pol.: **83.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

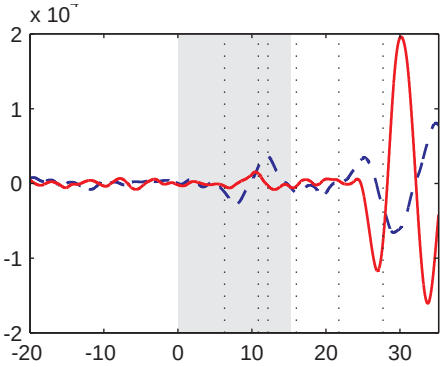
Rotation Correlation:	27<	34° <	43	1.0<1.1s<1.2
Minimum Energy:	23<	29° <	37	1.0<1.2s<1.3
Eigenvalue:	21<	33° <	48	0.9<1.1s<1.3

Quality: **good** IsNull: **No** Phase: **SKS**





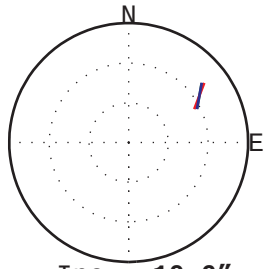




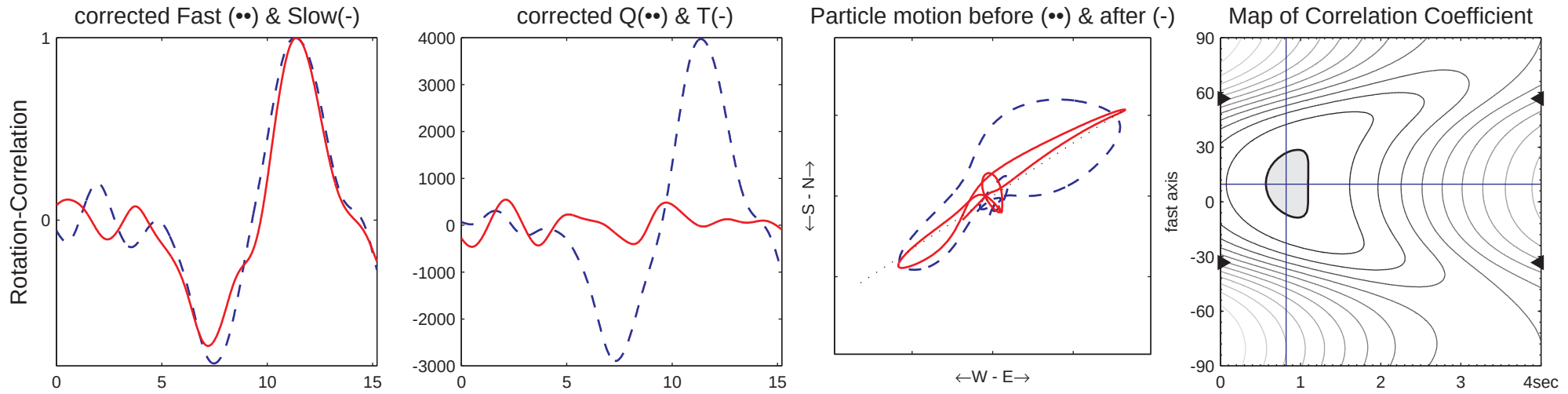
Event: **14-Mar-2008 (074) 22:32 26.99N 142.60E 10km Mw=6.0**
Station: **KDHN** Backazimuth: **56.7”** Distance: **87.78”**
init.Pol.: **234.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.9**

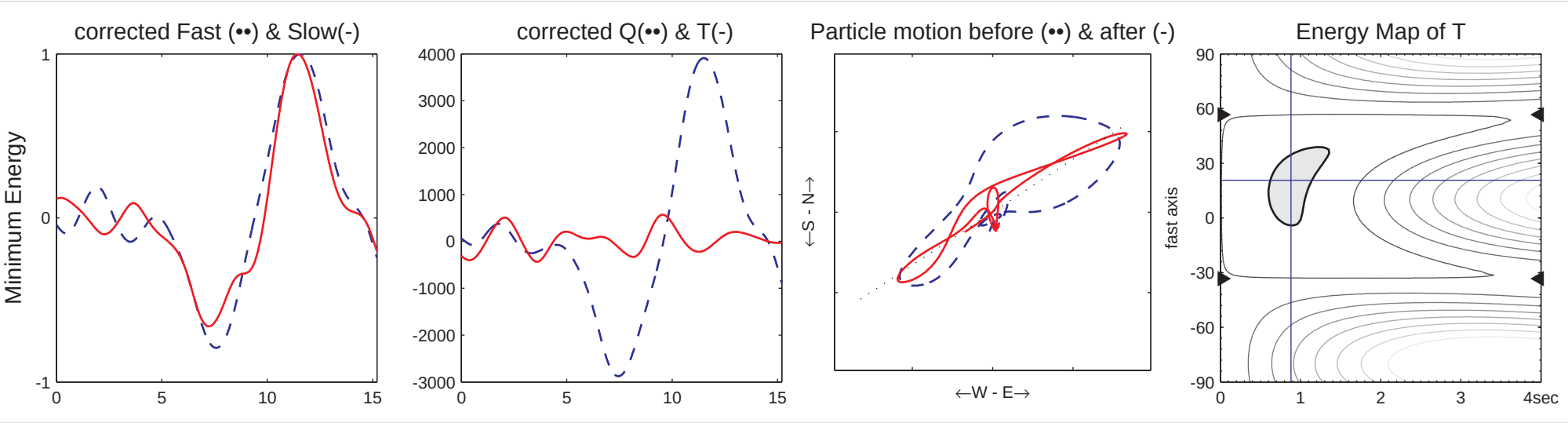
Rotation Correlation:	-9<	10° <	29	0.6<0.8s<1.1
Minimum Energy:	-5<	21° <	39	0.6<0.9s<1.4
Eigenvalue:	-23<	11° <	46	0.6<0.8s<1.6

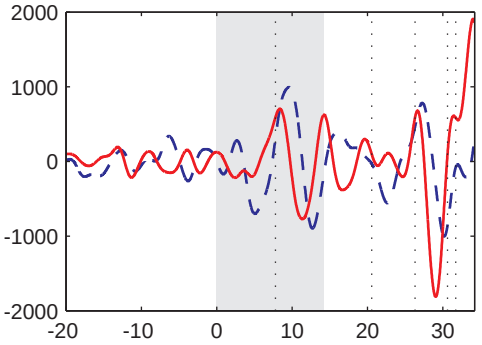
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.6”**



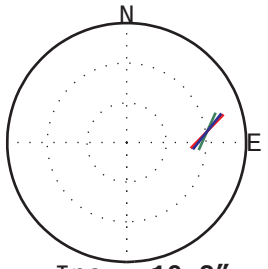




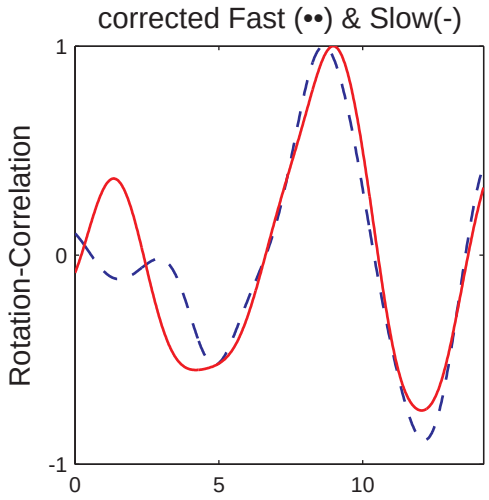
Event: **20-Mar-2008 (080) 14:10 6.19N 126.93E 45km Mw=6.1**
Station: **KDHN** Backazimuth: **82.2”** Distance: **89.89”**
init.Pol.: **257.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

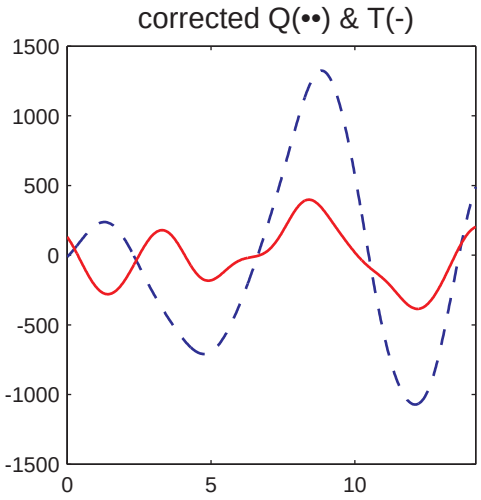
Rotation Correlation:	1<	24° <	49	1.0<1.3s<1.6
Minimum Energy:	35<	44° <	54	1.2<1.5s<1.7
Eigenvalue:	-5<	38° <	66	1.1<1.4s<1.8

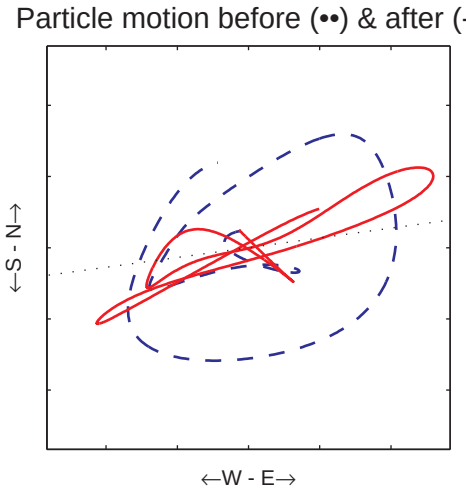
Quality: **fair** IsNull: **No** Phase: **SKS**

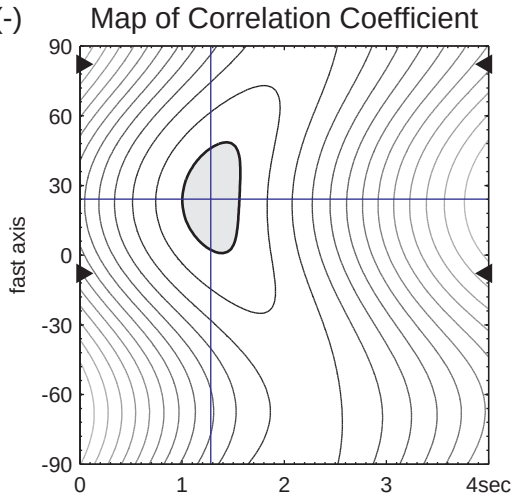


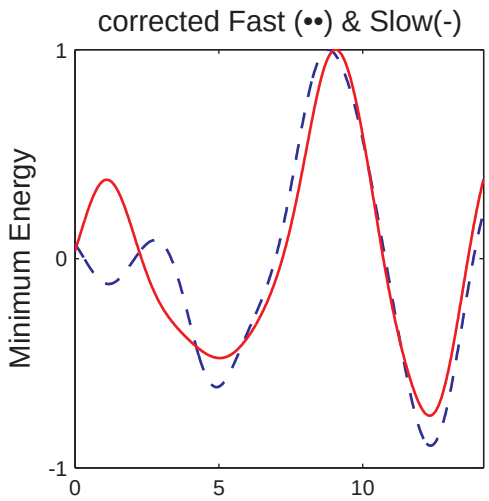
Inc = **10.2”**

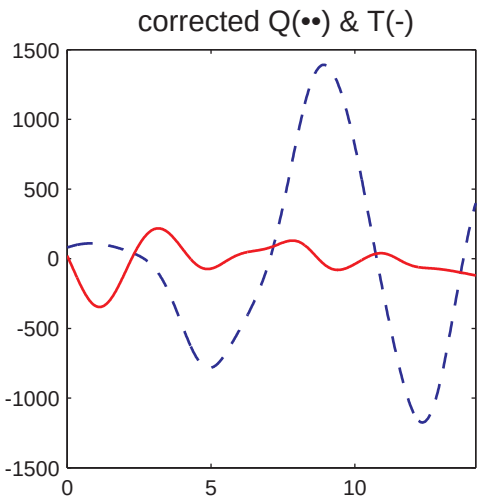


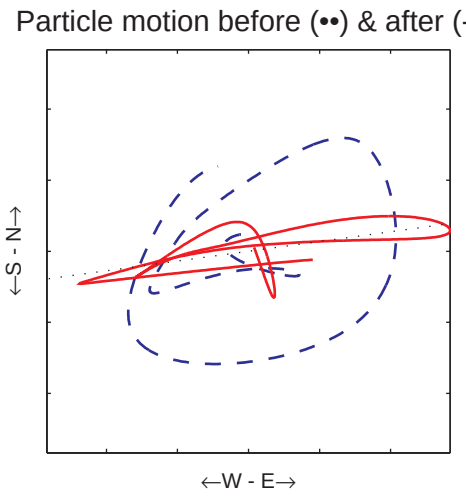


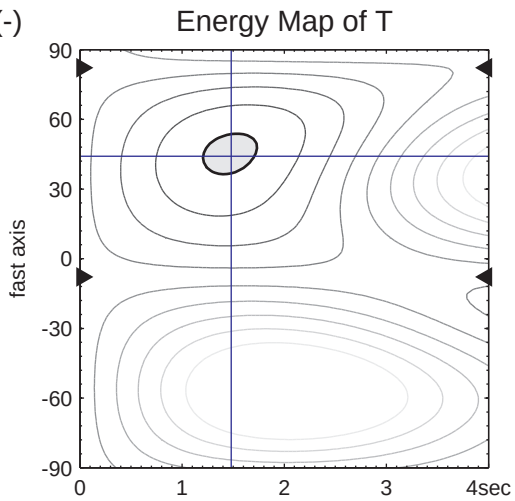


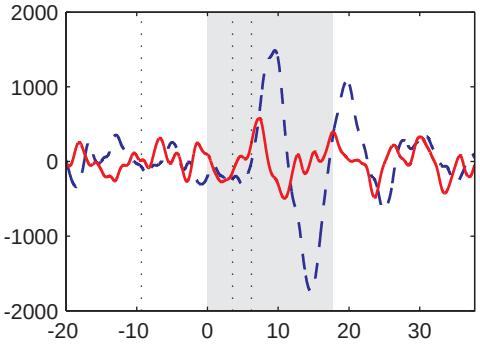








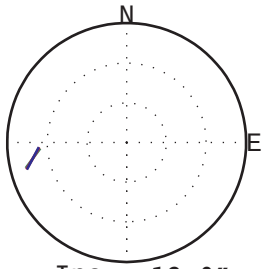




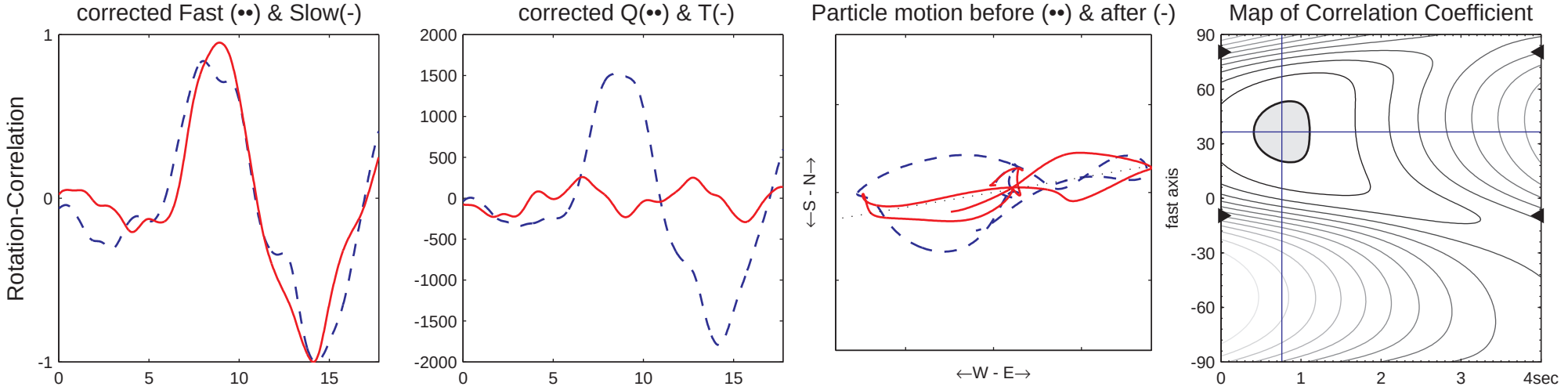
Event: **24-Mar-2008 (084) 20:39 -20.04N -68.96E 120km** Mw=6.2
Station: **KDHN** Backazimuth: **260.4”** Distance: **110.77”**
init.Pol.: **80.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.1**

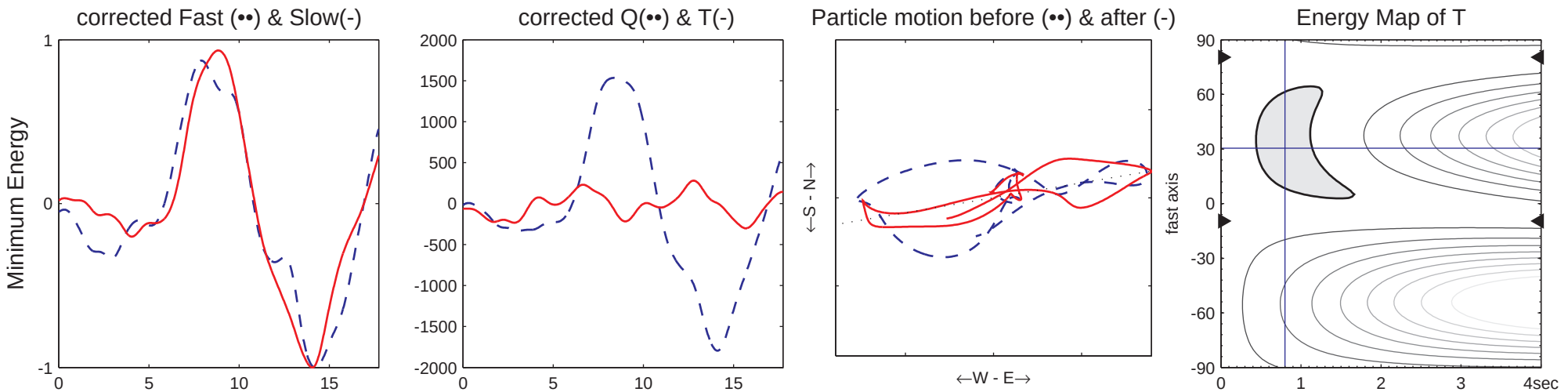
Rotation Correlation:	20<	36° <	54	0.4<0.8s<1.1
Minimum Energy:	3<	30° <	64	0.4<0.8s<1.7
Eigenvalue:	-13<	28° <	70	0.4<0.8s<3.2

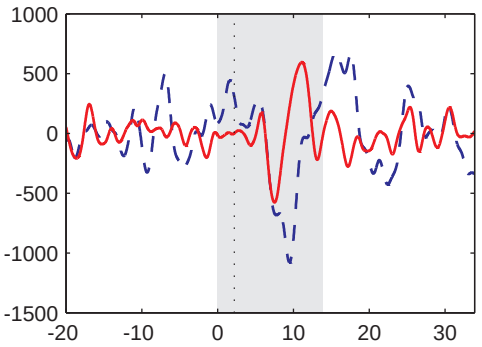
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



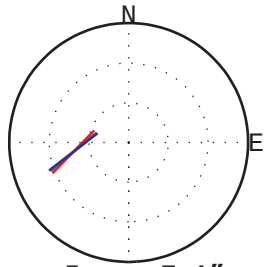


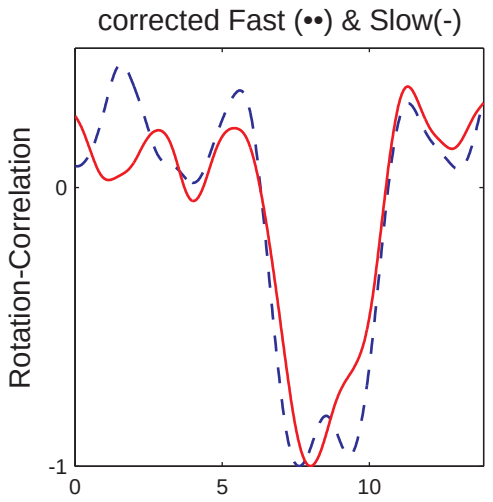


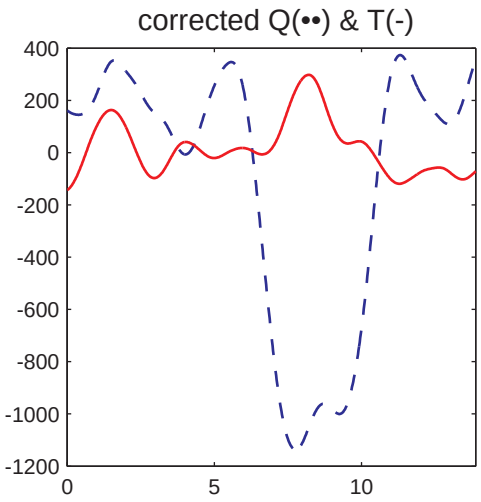
Event: **24-Mar-2008 (084) 20:39 -20.04N -68.96E 120km** Mw=**6.2**
Station: **KDHN** Backazimuth: **260.4”** Distance: **110.77”**
init.Pol.: **89.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.3**

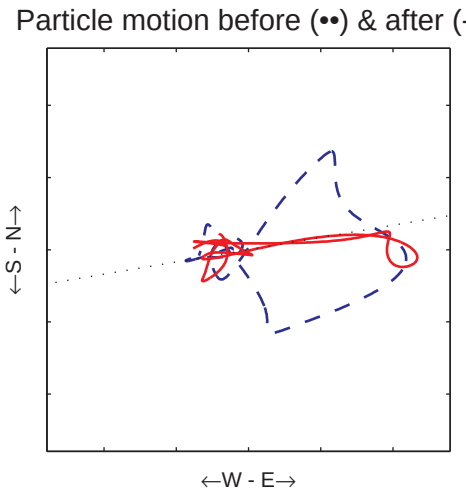
Rotation Correlation:	42<	50° <	60	1.7<1.9s<2.1
Minimum Energy:	37<	44° <	54	1.6<1.9s<2.1
Eigenvalue:	46<	52° <	62	1.7<1.9s<2.1

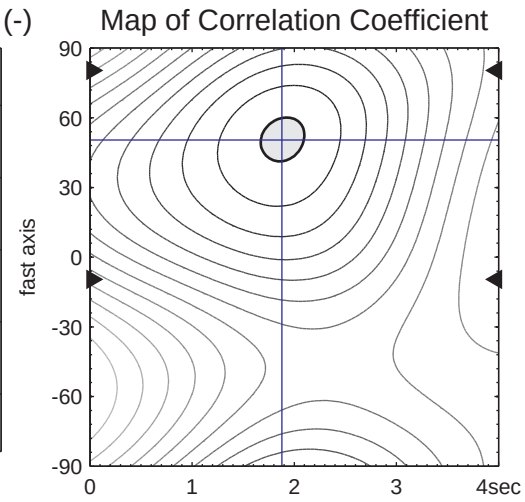
Quality: **good** IsNull: **No** Phase: **SKS**

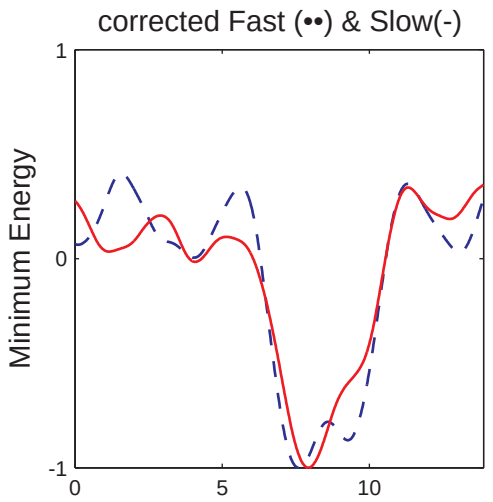


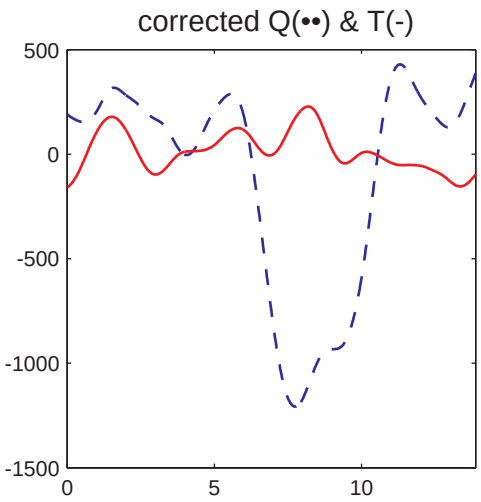


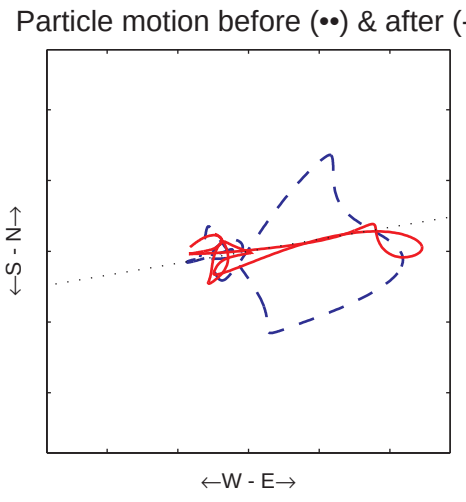


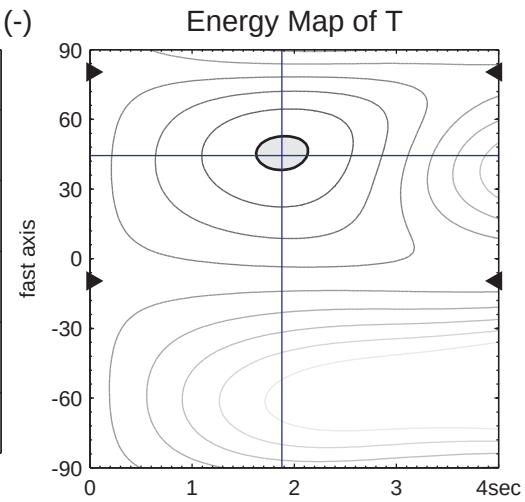


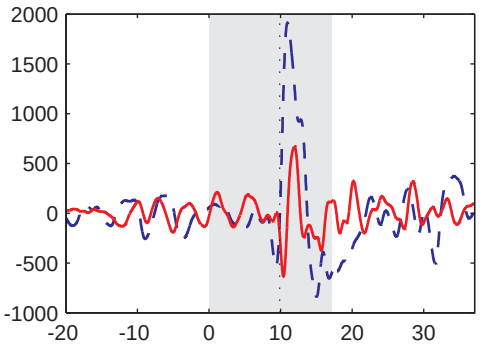








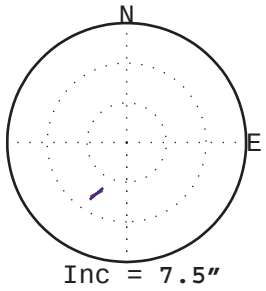


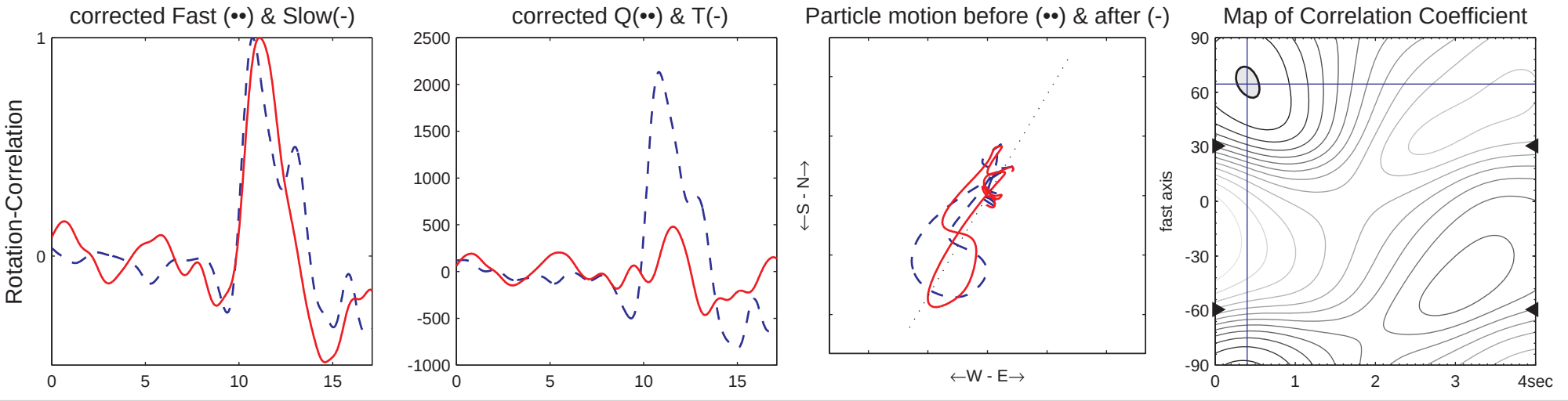


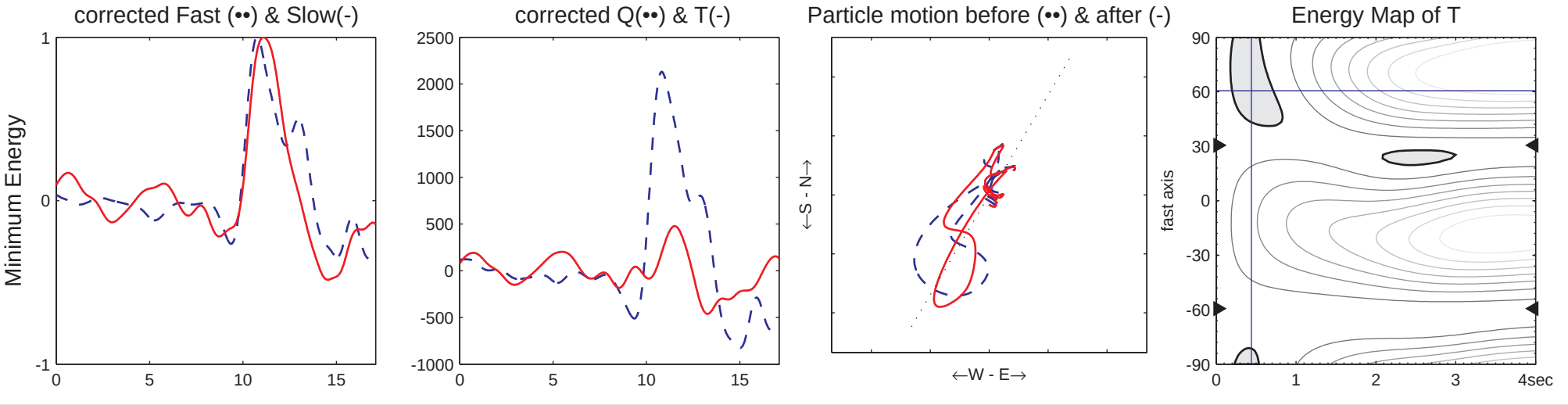
Event: **14-Apr-2008 (105) 09:45 -56.02N -28.04E 140km** Mw=6.0
Station: **KDHN** Backazimuth: **210.5”** Distance: **107.39”**
init.Pol.: **21.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.4**

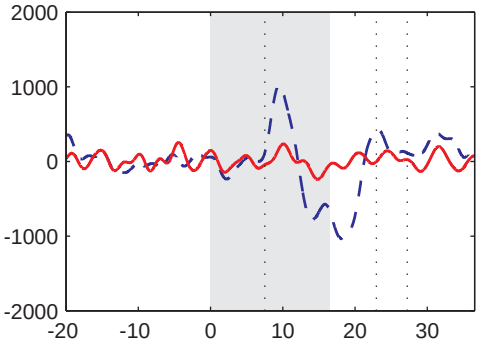
Rotation Correlation:	57<	65° <	74	0.3<0.4s<0.6
Minimum Energy:	41<	61° <	-84	0.2<0.4s<0.8
Eigenvalue:	33<	49° <	76	0.3<0.6s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





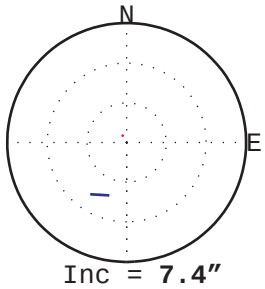


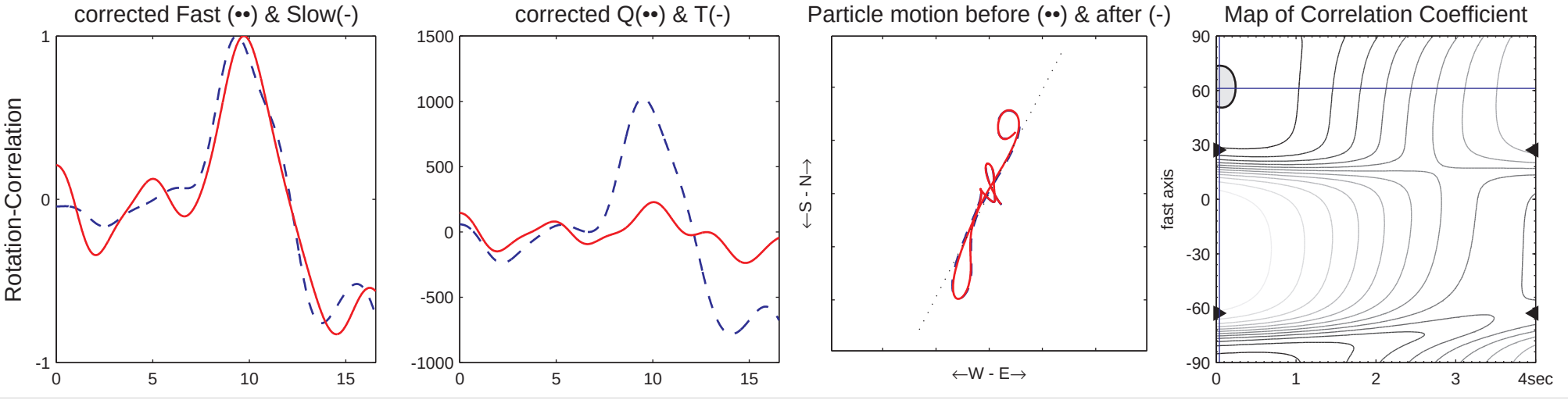


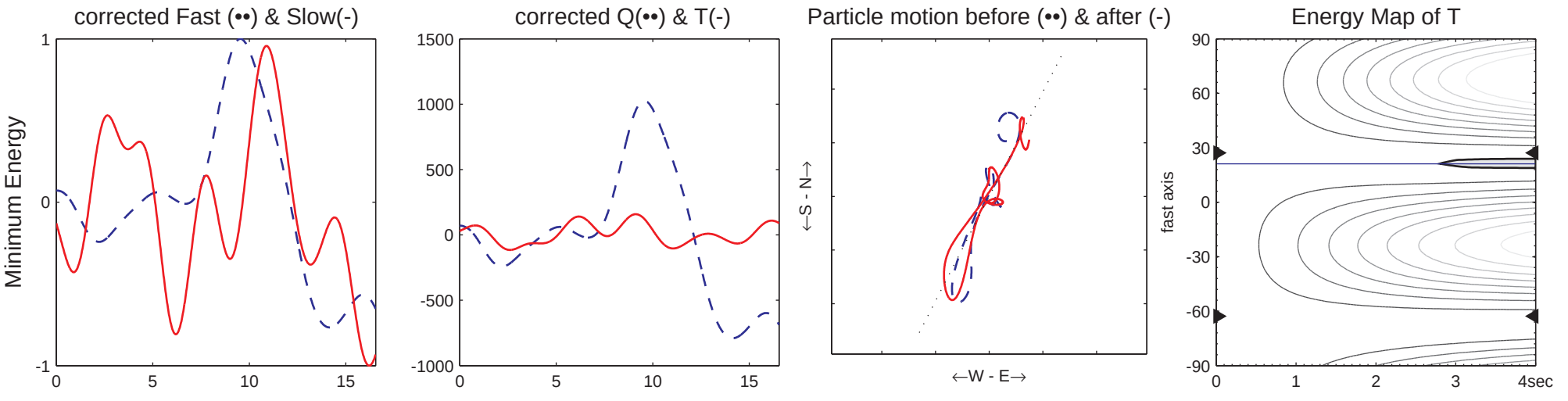
Event: **28-Apr-2008 (119) 15:57 -58.74N -24.71E 35km Mw=6.1**
Station: **KDHN** Backazimuth: **207.2”** Distance: **108.07”**
init.Pol.: **16.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

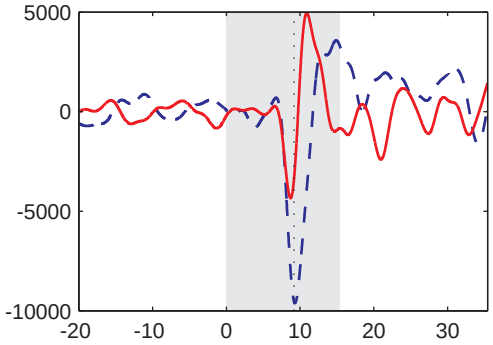
Rotation Correlation:	51<	61° <	74	0.0<0.0s<0.2
Minimum Energy:	19<	21° <	23	2.8<4.0s<4.0
Eigenvalue:	21<	-87° <	-78	0.1<0.6s<2.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





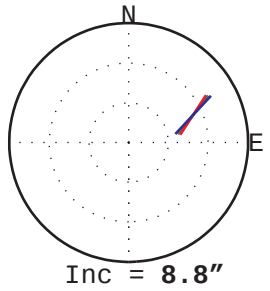


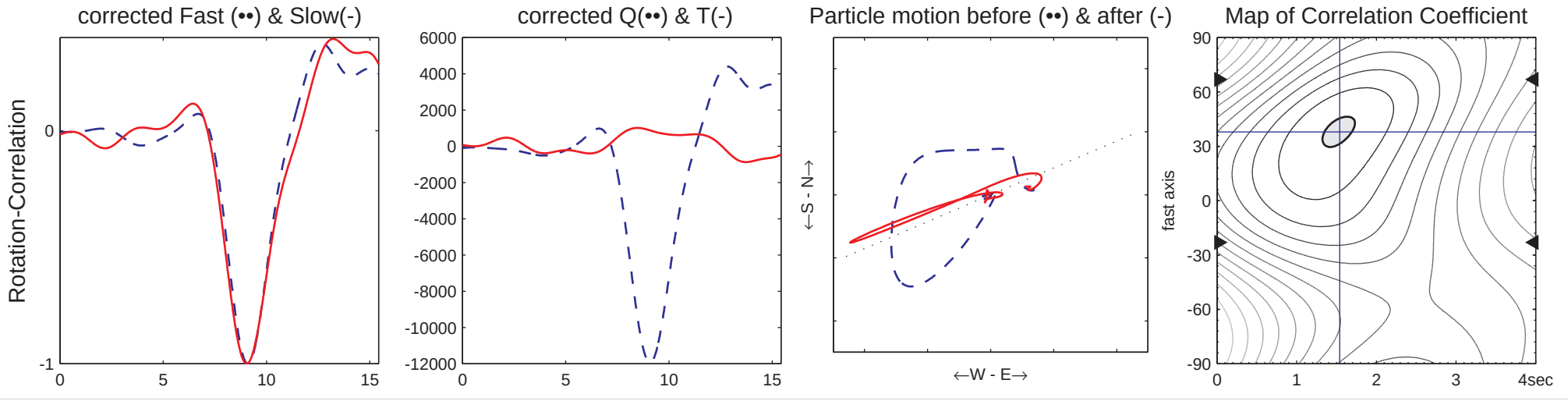


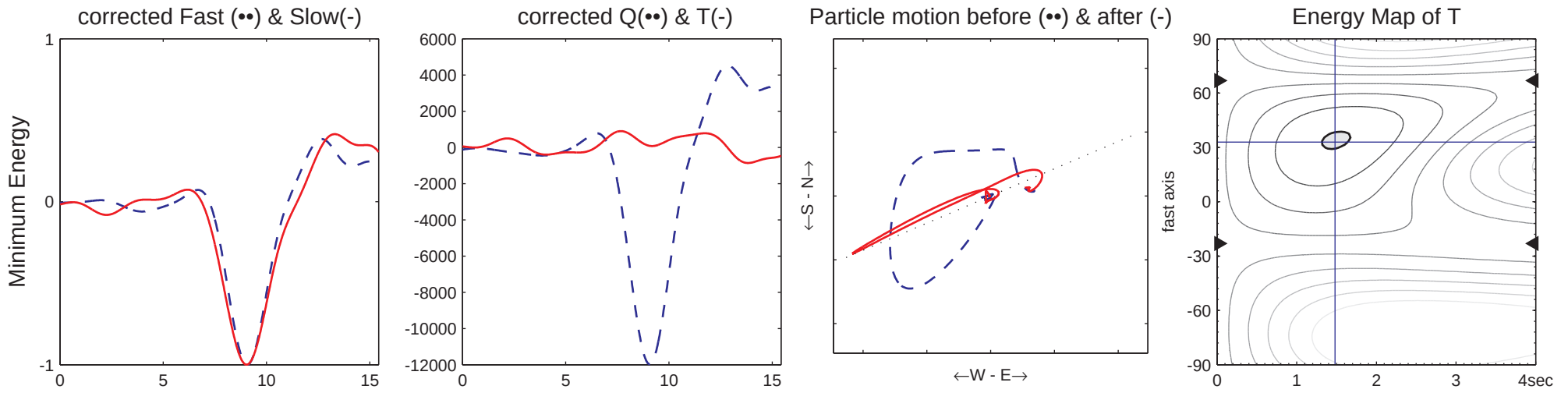
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **KDHN** Backazimuth: **66.9”** Distance: **98.02”**
init.Pol.: **255.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.4**

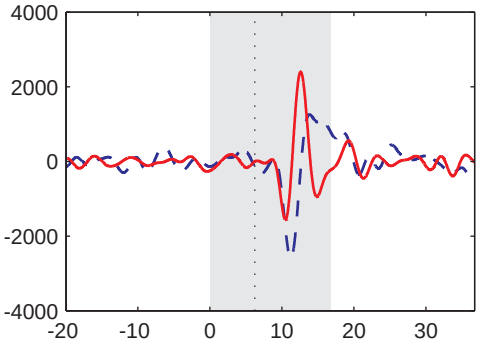
Rotation Correlation:	30<	38° <	47	1.3<1.5s<1.7
Minimum Energy:	29<	33° <	39	1.3<1.5s<1.7
Eigenvalue:	37<	43° <	48	1.5<1.6s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





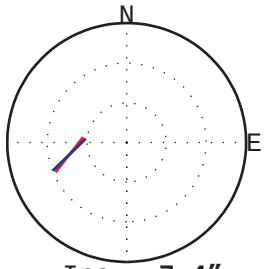


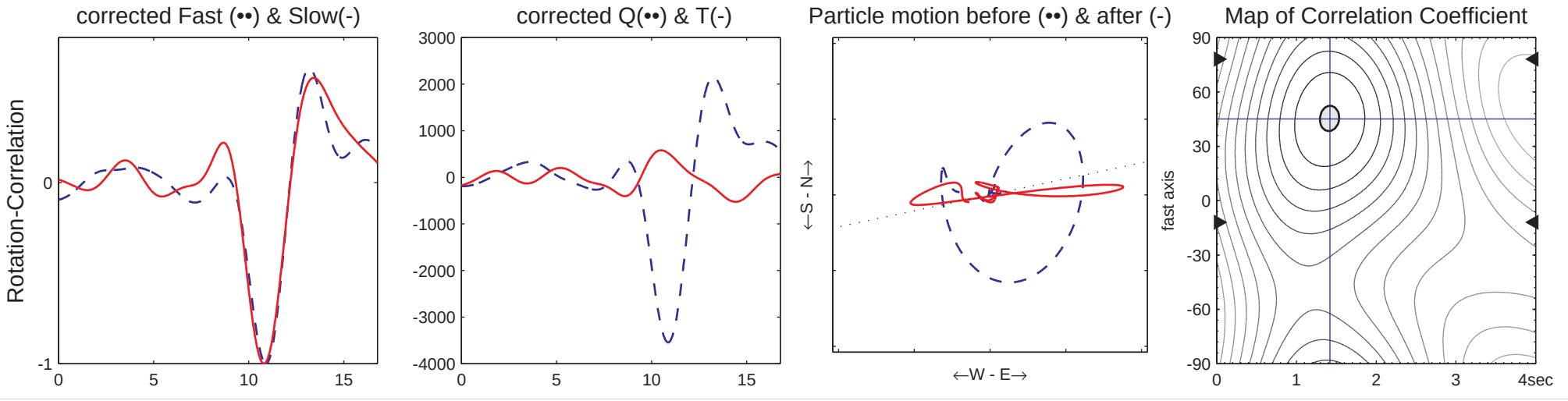


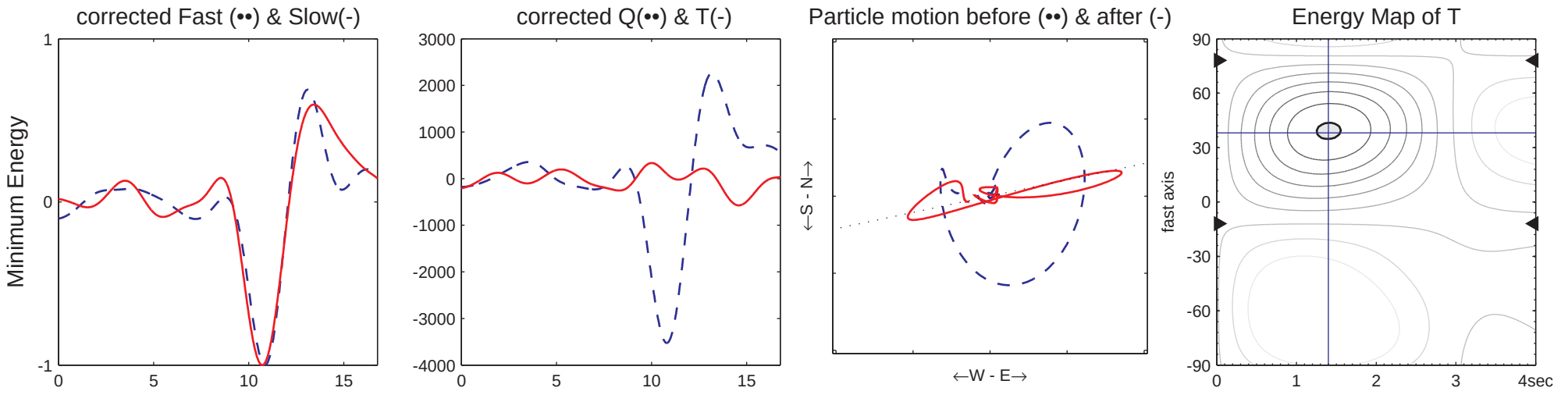
Event: **12-Oct-2008 (286) 20:55 -20.12N -64.97E 352km** Mw=**6.2**
Station: **KDHN** Backazimuth: **258.1”** Distance: **107.75”**
init.Pol.: **88.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.7**

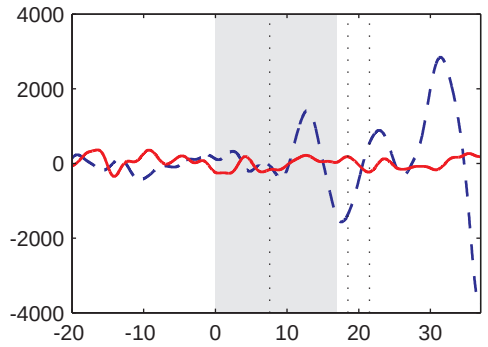
Rotation Correlation:	39<	45° <	53	1.3<1.4s<1.5
Minimum Energy:	35<	38° <	43	1.2<1.4s<1.6
Eigenvalue:	41<	46° <	54	1.3<1.4s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





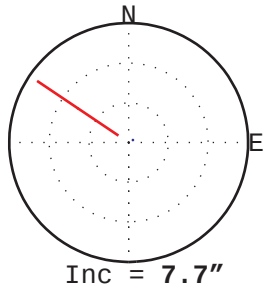


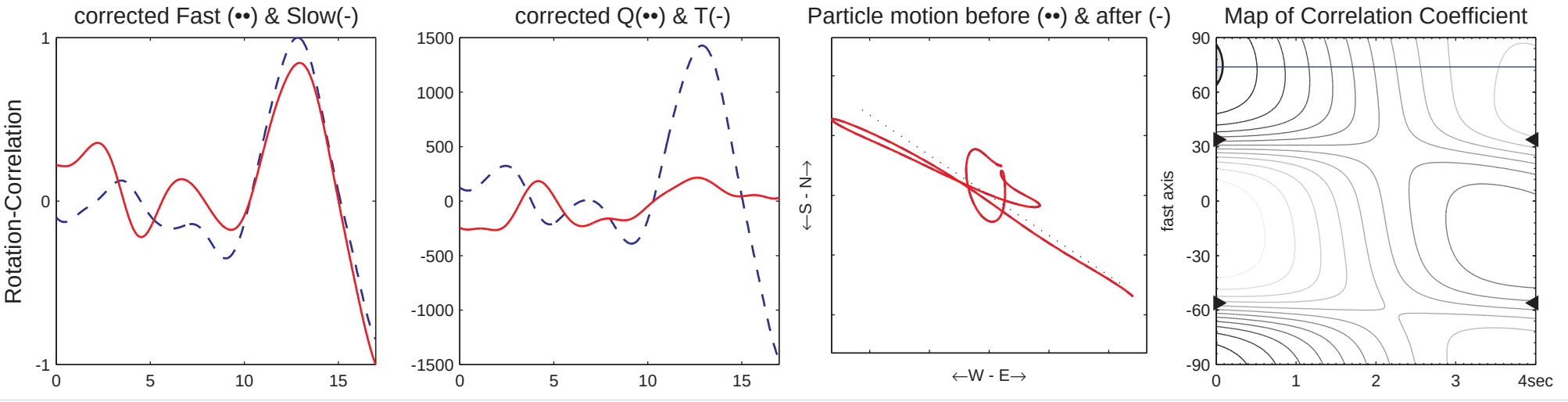


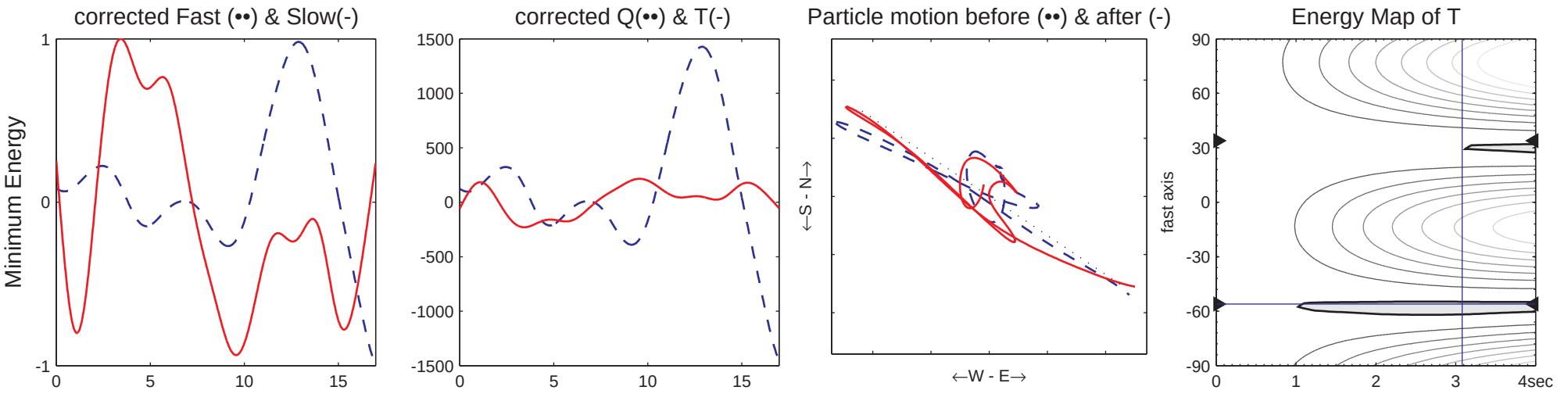
Event: **16-Oct-2008 (290) 19:41 14.42N -92.36E 24km Mw=6.7**
Station: **KDHN** Backazimuth: **303.9”** Distance: **105.89”**
init.Pol.: **114.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

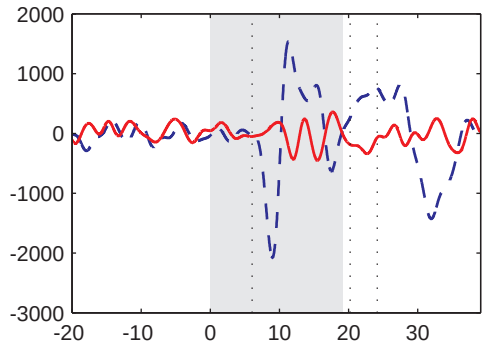
Rotation Correlation:	64<	74° <	86	0.0<0.0s<0.1
Minimum Energy:	-64<	-56° <	-58	1.0<3.1s<4.0
Eigenvalue:	-70<	-60° <	-58	2.0<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





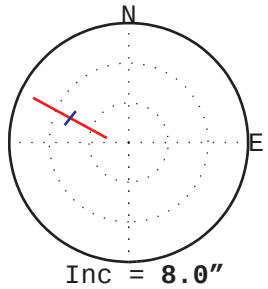


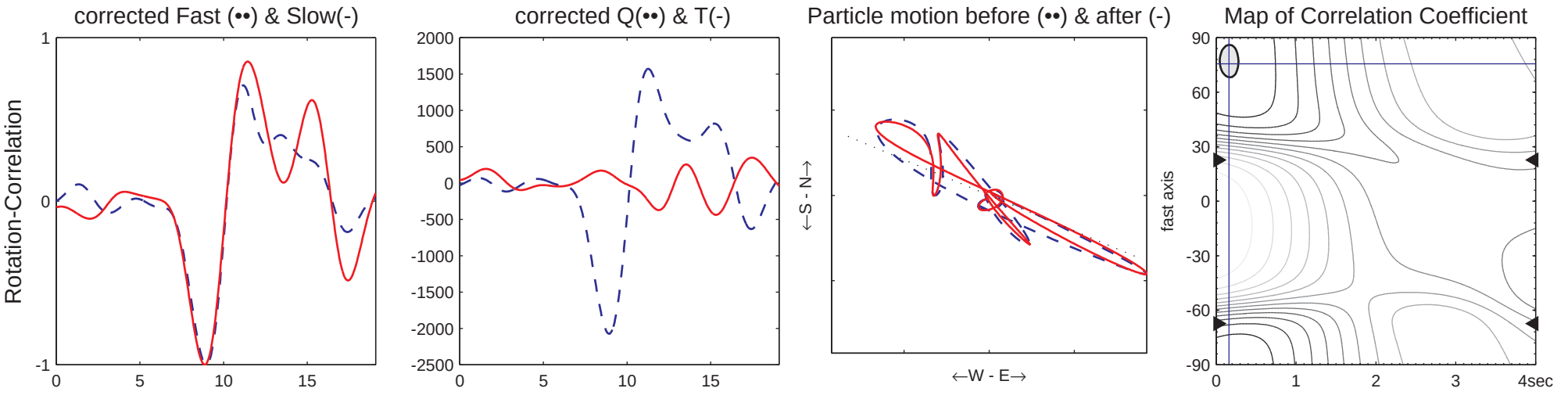


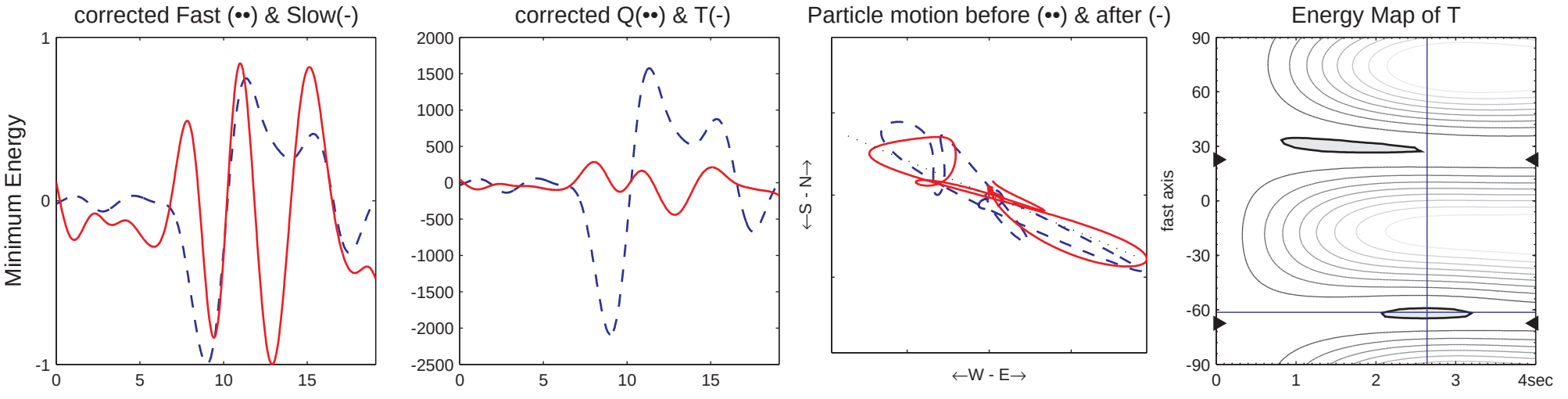
Event: **19-Nov-2008 (324) 06:11 8.27N -82.97E 32km Mw=6.3**
Station: **KDHN** Backazimuth: **292.6”** Distance: **103.81”**
init.Pol.: **119.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.9**

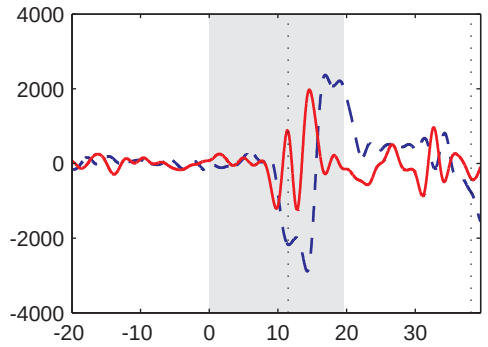
Rotation Correlation:	68<	76° <	86	0.0<0.2s<0.3
Minimum Energy:	-66<	-61° <	-62	2.1<2.6s<3.2
Eigenvalue:	29<	39° <	-58	0.0<0.6s<3.4

Quality: **good** IsNull: **Yes** Phase: **SKS**





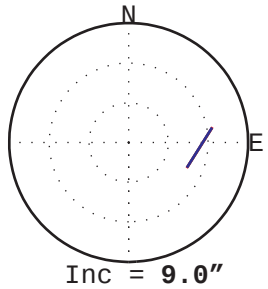


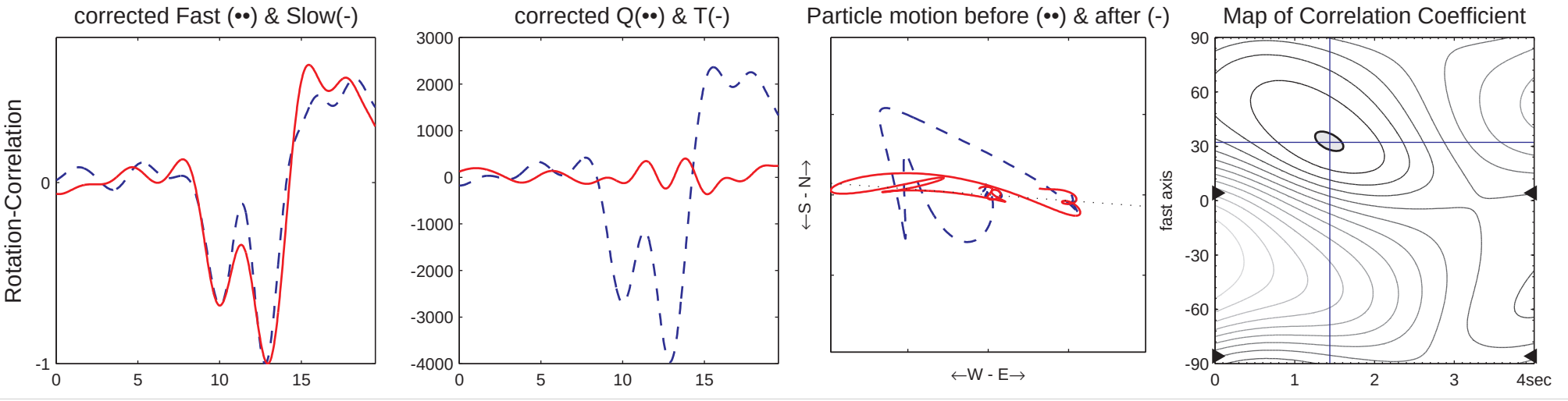


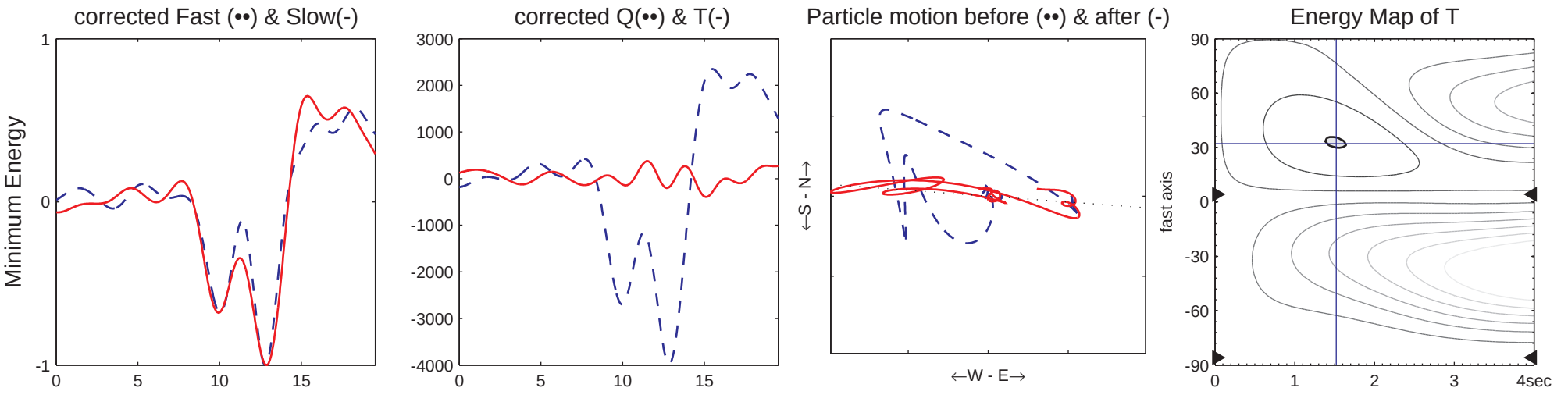
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **KDHN** Backazimuth: **94.2”** Distance: **96.65”**
init.Pol.: **274.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.4**

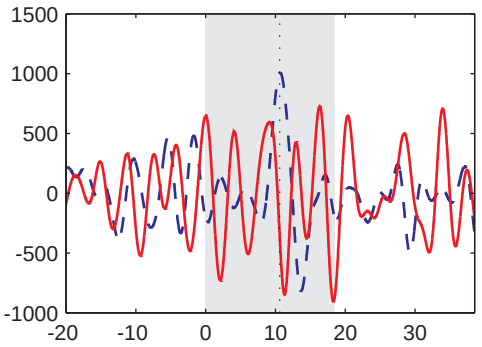
Rotation Correlation:	28<	32° <	38	1.2<1.4s<1.6
Minimum Energy:	29<	32° <	35	1.4<1.5s<1.6
Eigenvalue:	29<	32° <	37	1.4<1.5s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





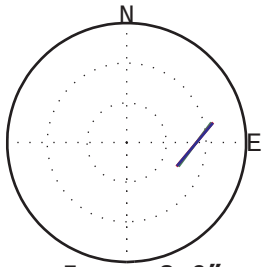


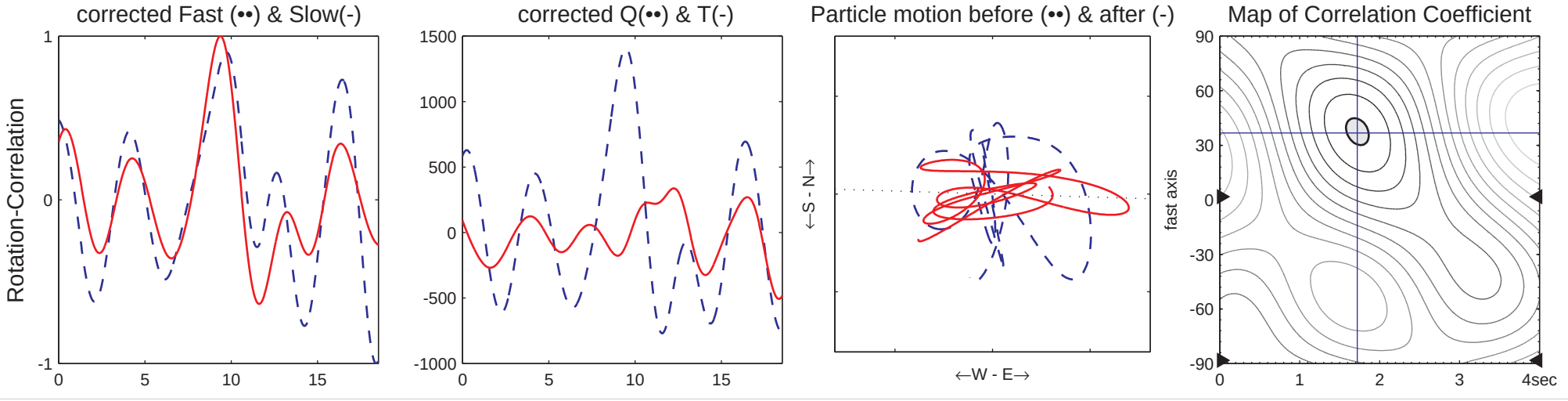


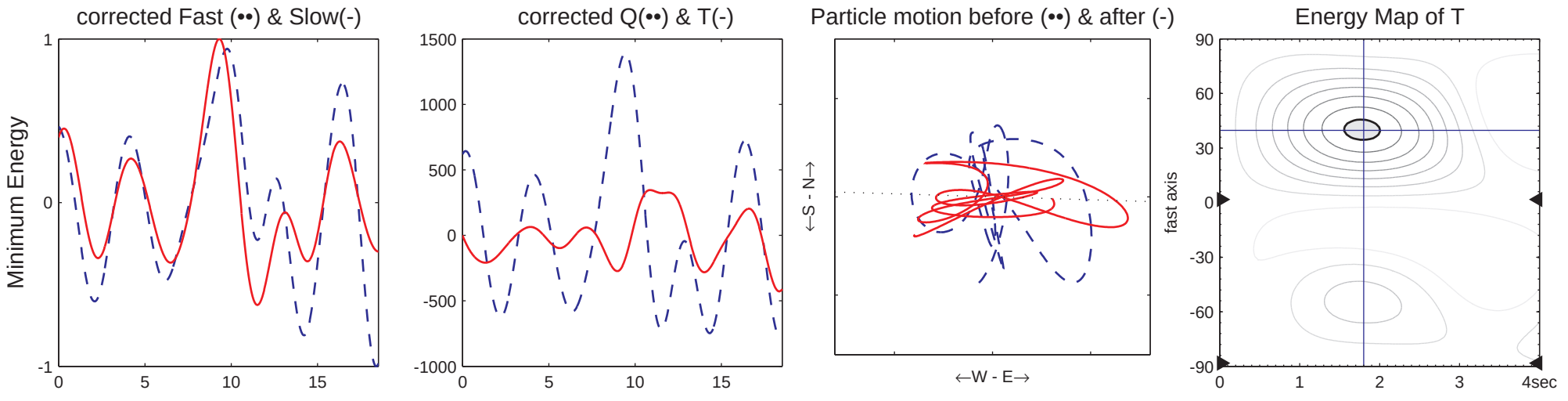
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **KDHN** Backazimuth: **91.7”** Distance: **99.58”**
init.Pol.: **270.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

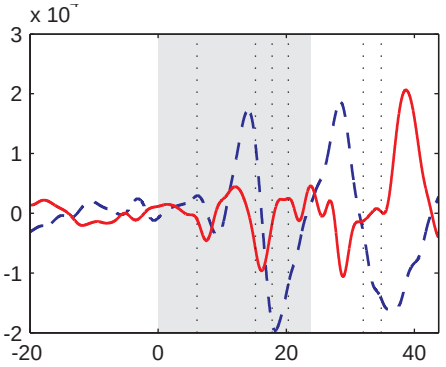
Rotation Correlation:	30<	37° <	45	1.6<1.7s<1.9
Minimum Energy:	35<	40° <	46	1.6<1.8s<2.0
Eigenvalue:	27<	40° <	50	1.6<1.8s<2.0

Quality: **good** IsNull: **No** Phase: **SKS**





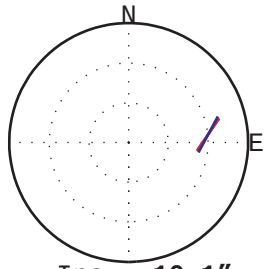


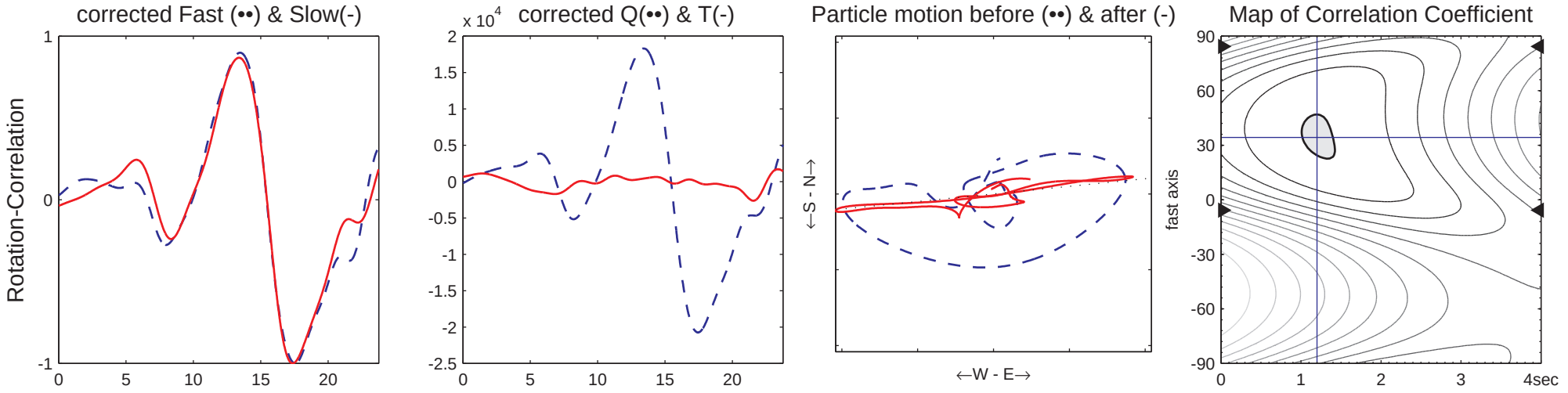


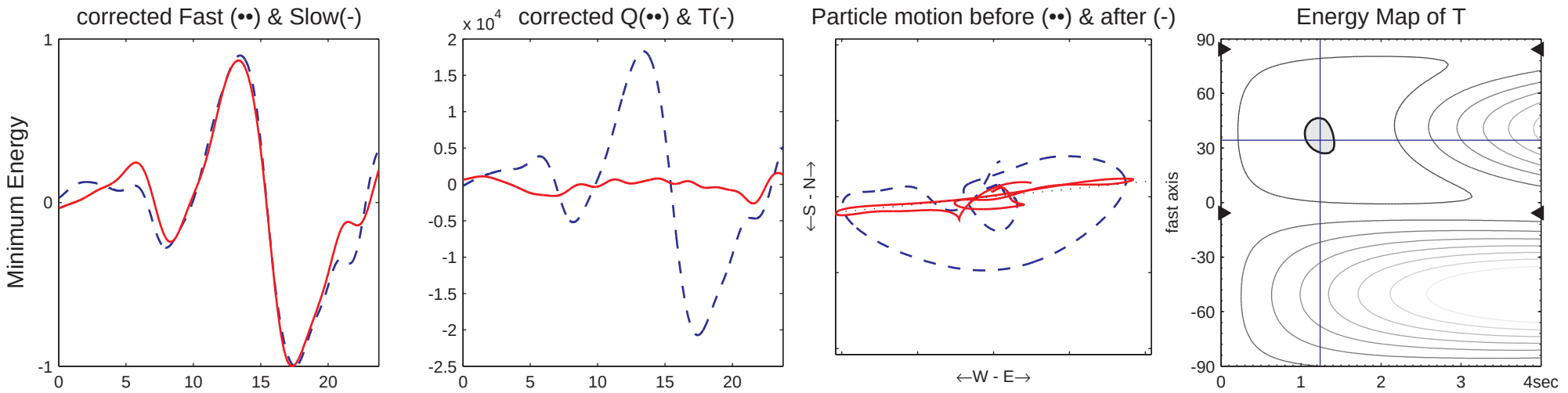
Event: **11-Feb-2009 (042) 17:34 3.89N 126.39E 20km Mw=7.2**
Station: **KDHN** Backazimuth: **84.3”** Distance: **90.91”**
init.Pol.: **261.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.2**

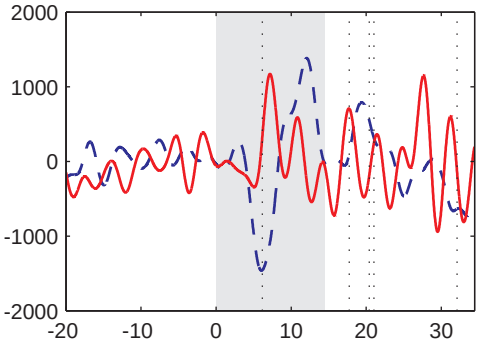
Rotation Correlation:	23<	34° <	47	1.0<1.2s<1.4
Minimum Energy:	27<	34° <	46	1.0<1.2s<1.4
Eigenvalue:	17<	28° <	41	1.1<1.3s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





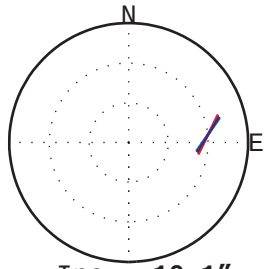




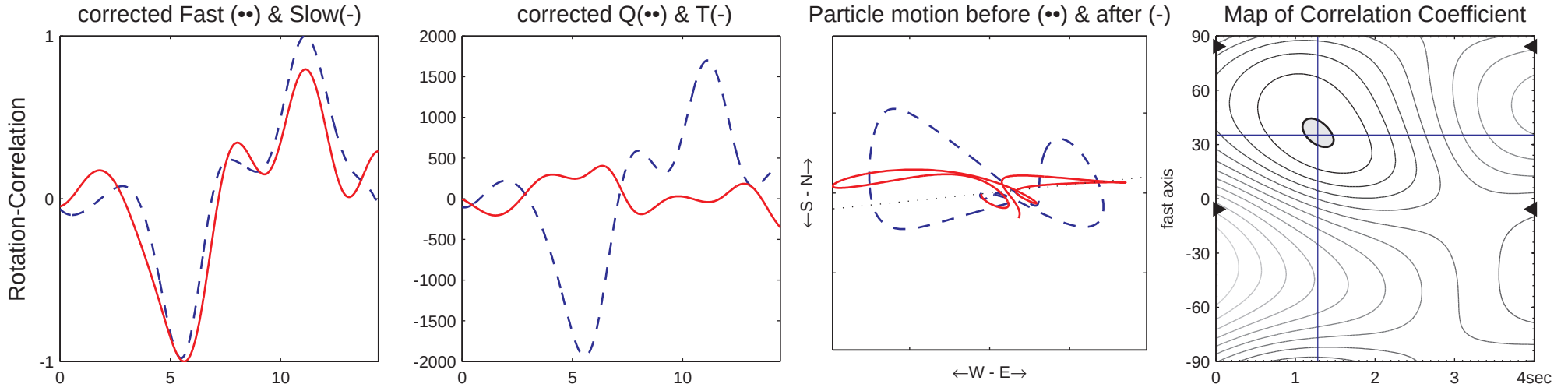
Event: **12-Feb-2009 (043) 03:49** **3.95N 126.41E** **26km** Mw=**6.0**
Station: **KDHN** Backazimuth: **84.2”** Distance: **90.89”**
init.Pol.: **270.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

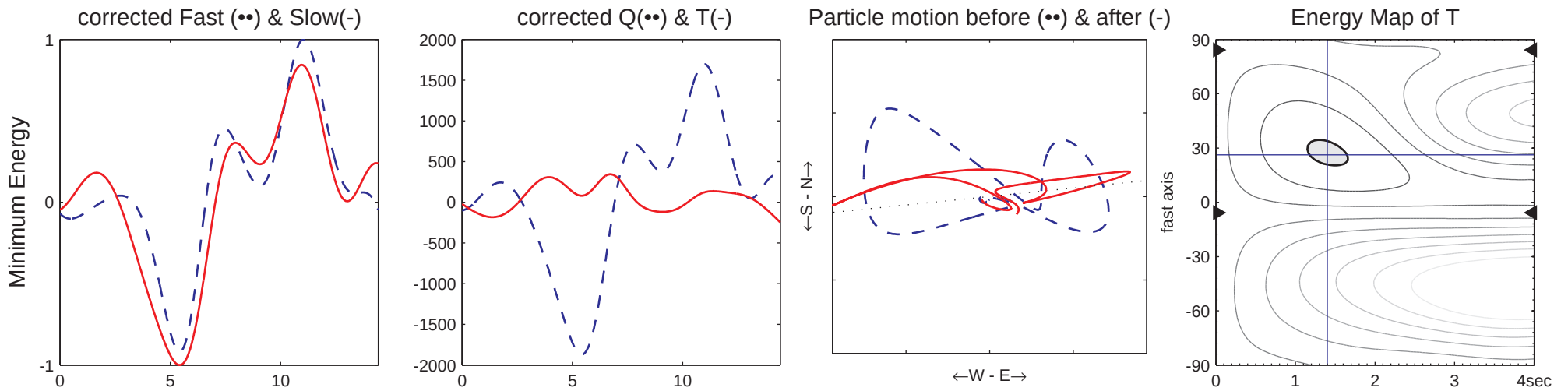
Rotation Correlation:	29<	35° <	45	1.1<1.3s<1.5
Minimum Energy:	21<	26° <	35	1.2<1.4s<1.6
Eigenvalue:	25<	32° <	41	1.1<1.3s<1.6

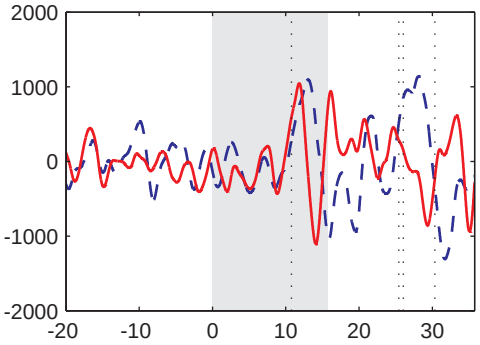
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



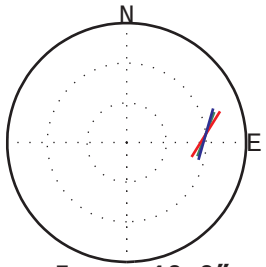


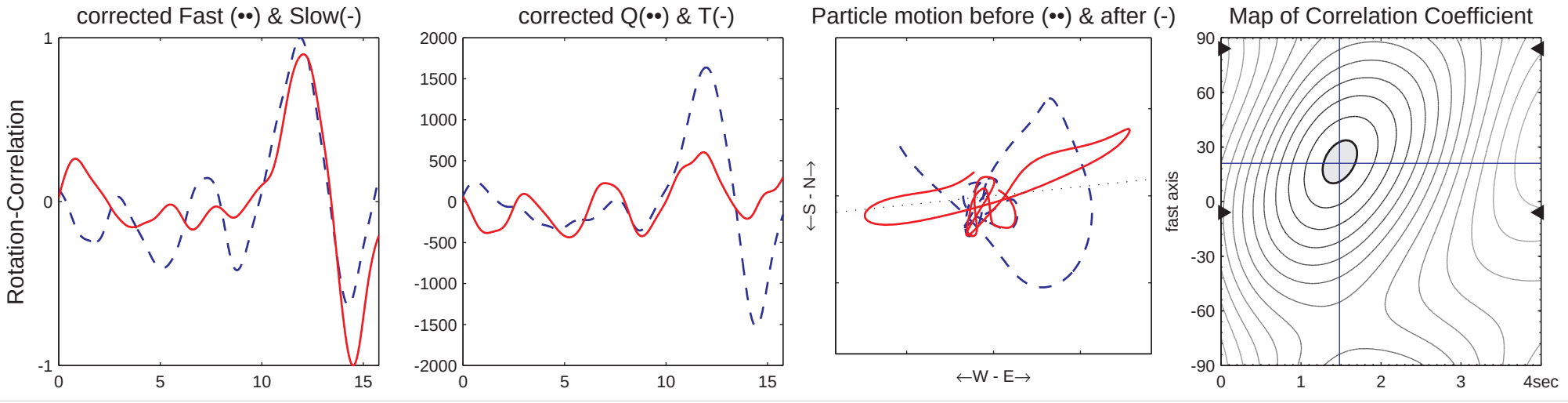


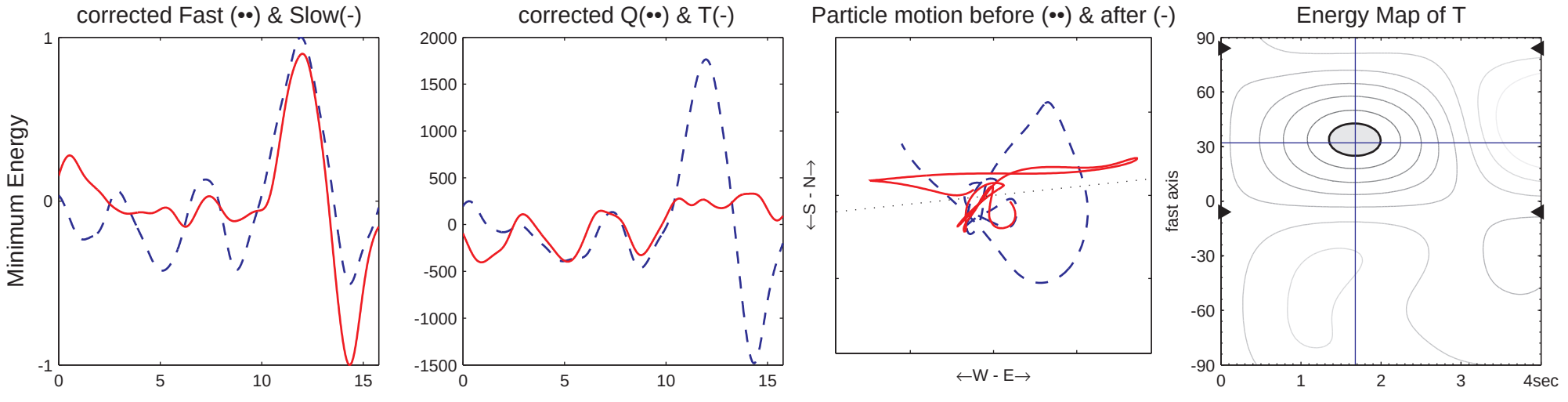
Event: **12-Feb-2009 (043) 08:30 3.97N 126.72E 35km Mw=6.0**
Station: **KDHN** Backazimuth: **84.0”** Distance: **91.12”**
init.Pol.: **243.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.8**

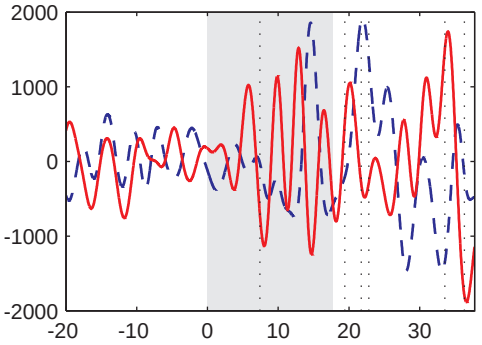
Rotation Correlation:	10<	21° <	34	1.3<1.5s<1.7
Minimum Energy:	25<	32° <	43	1.4<1.7s<2.0
Eigenvalue:	-1<	16° <	33	1.4<1.7s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





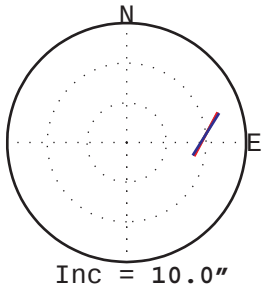


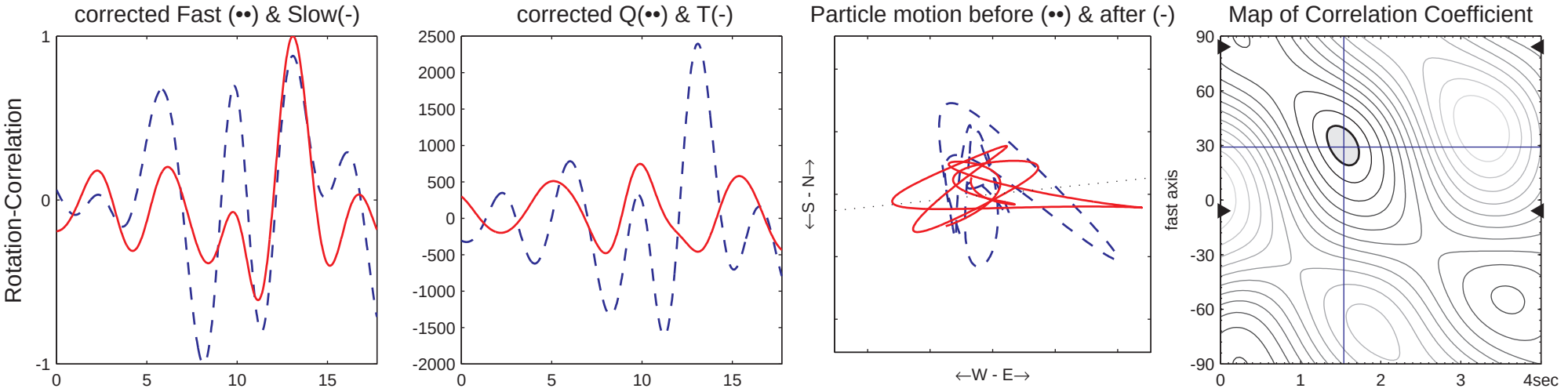


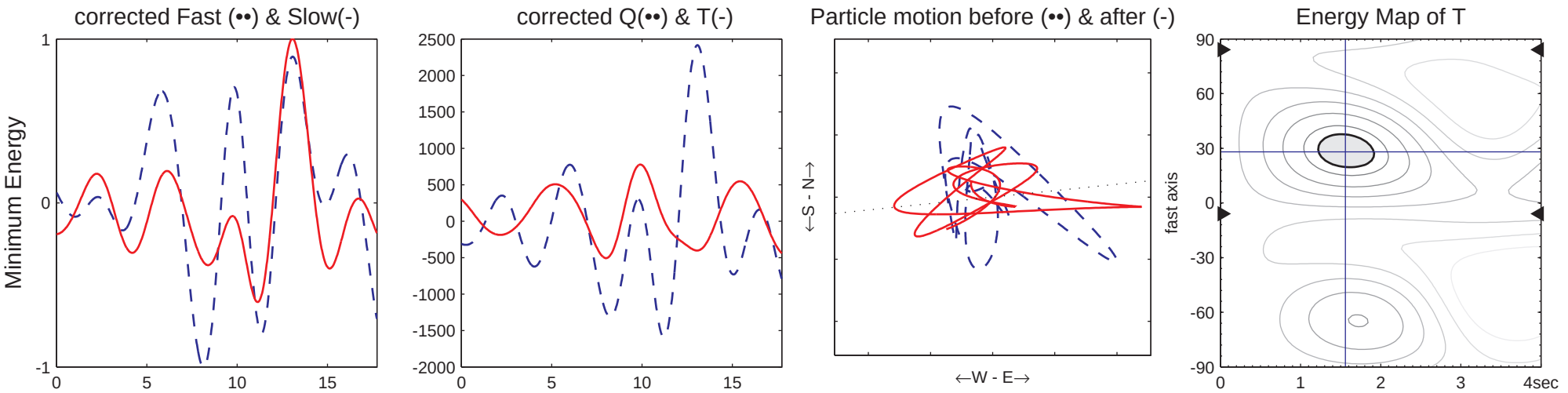
Event: **12-Feb-2009 (043) 13:15 4.04N 126.55E 27km Mw=6.3**
Station: **KDHN** Backazimuth: **84.1”** Distance: **90.94”**
init.Pol.: **273.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

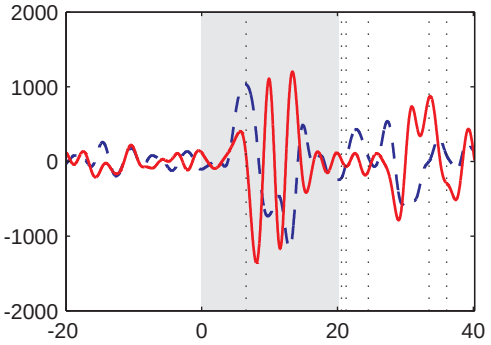
Rotation Correlation:	19<	29° <	41	1.3<1.5s<1.7
Minimum Energy:	19<	28° <	37	1.2<1.6s<1.9
Eigenvalue:	17<	32° <	50	1.1<1.6s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





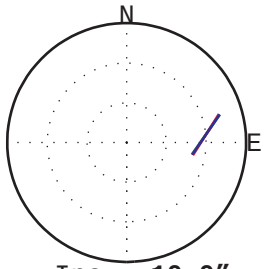




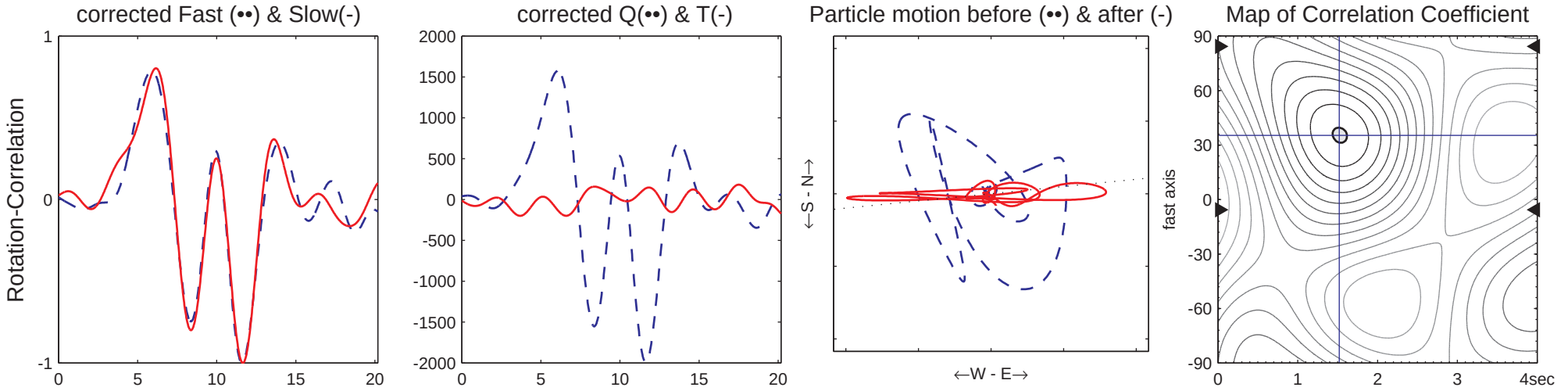
Event: **22-Feb-2009 (053) 17:45 3.68N 126.56E 32km Mw=6.0**
Station: **KDHN** Backazimuth: **84.4”** Distance: **91.18”**
init.Pol.: **267.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.4**

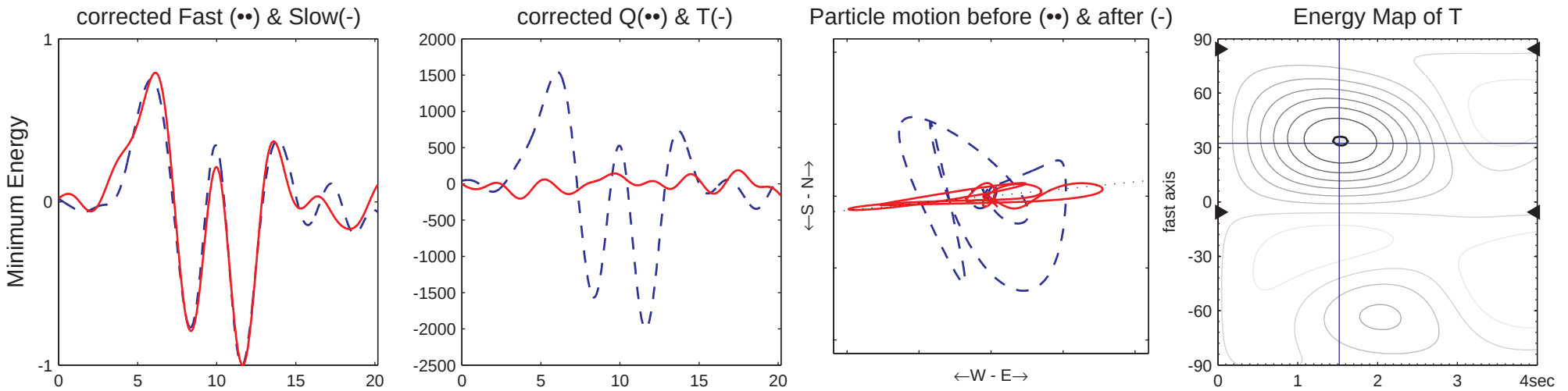
Rotation Correlation:	32<	35° <	40	1.4<1.5s<1.6
Minimum Energy:	31<	32° <	35	1.4<1.5s<1.6
Eigenvalue:	31<	34° <	39	1.4<1.5s<1.6

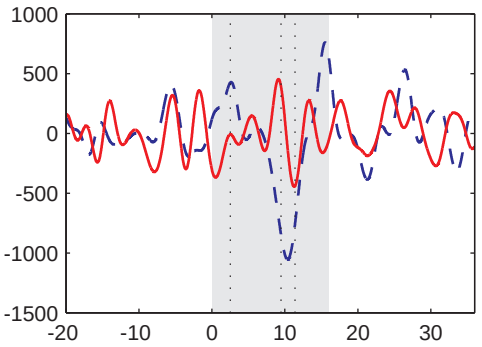
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.0”**



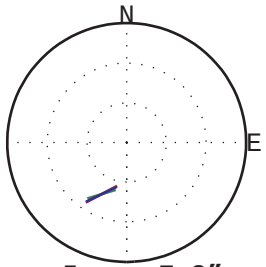




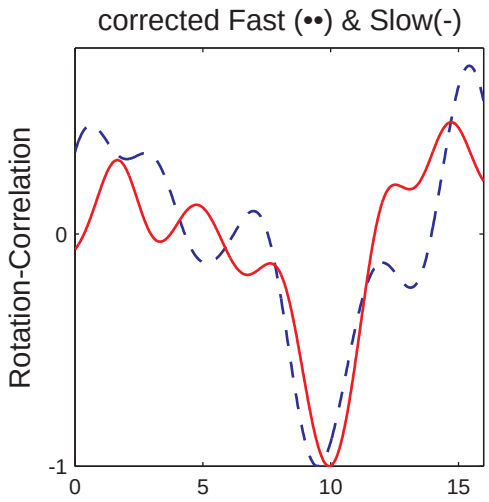
Event: **28-Feb-2009 (059) 14:33 -60.52N -24.80E 15km Mw=6.3**
Station: **KDHN** Backazimuth: **205.9”** Distance: **109.39”**
init.Pol.: **26.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

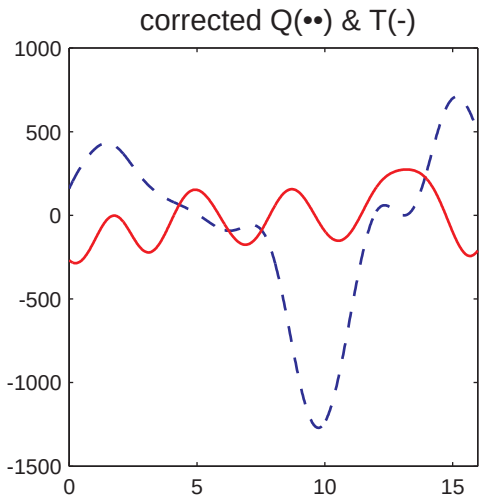
Rotation Correlation:	63<	73° <	86	0.5<0.9s<1.4
Minimum Energy:	37<	62° <	-92	0.6<1.1s<1.7
Eigenvalue:	35<	64° <	-86	0.6<1.1s<1.8

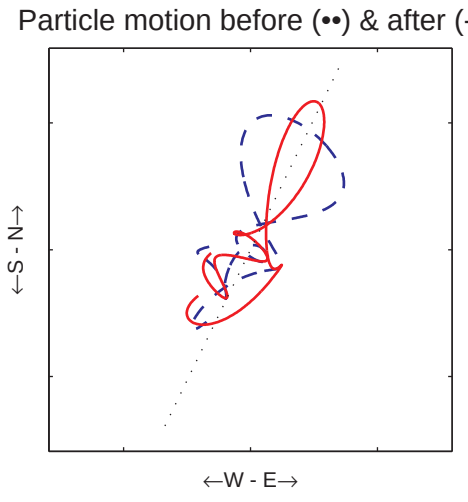
Quality: **fair** IsNull: **No** Phase: **SKS**

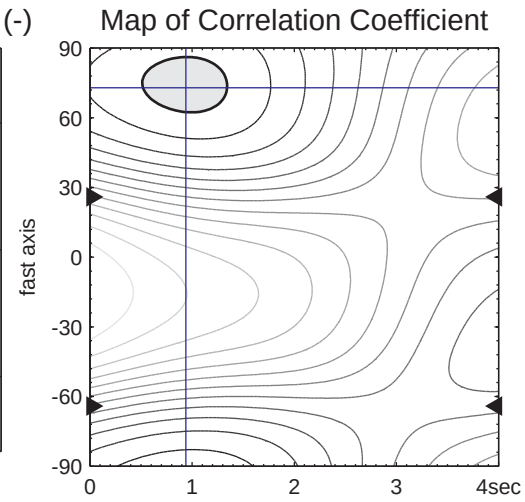


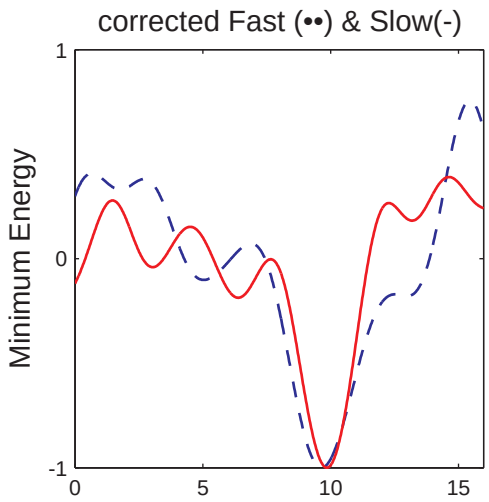
Inc = **7.3”**

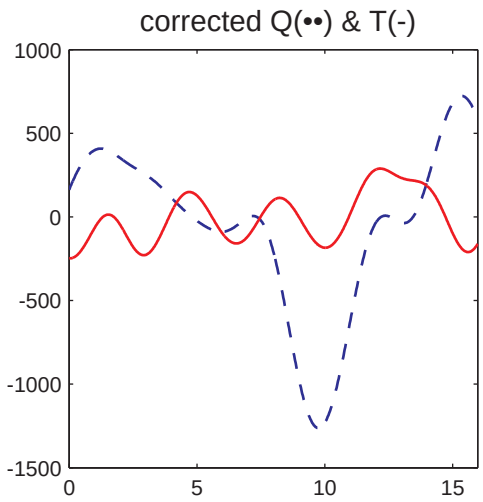


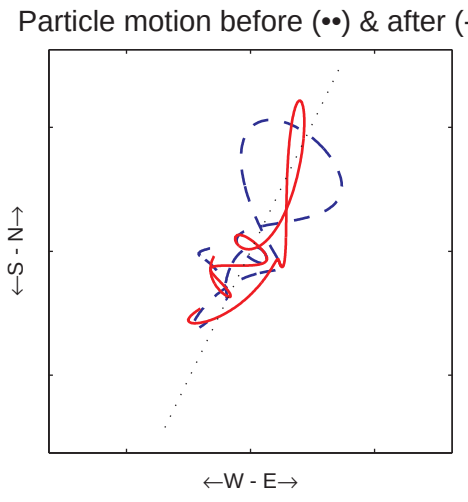


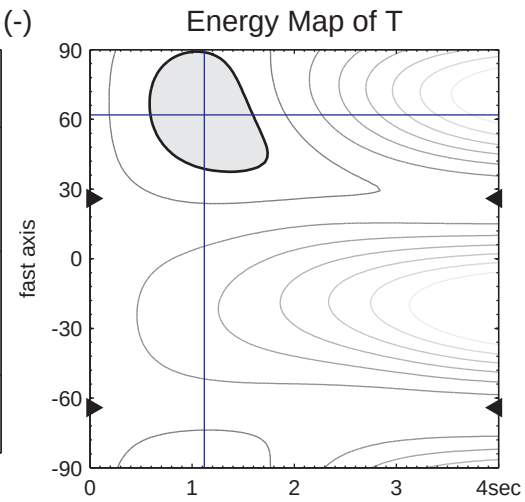


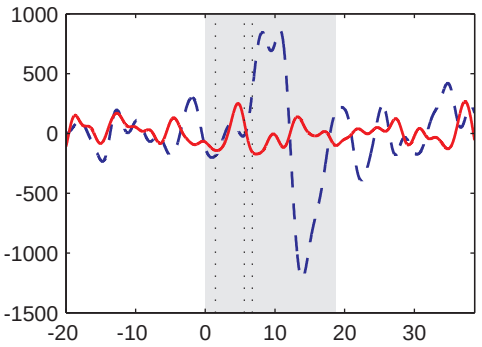








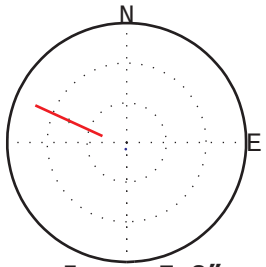


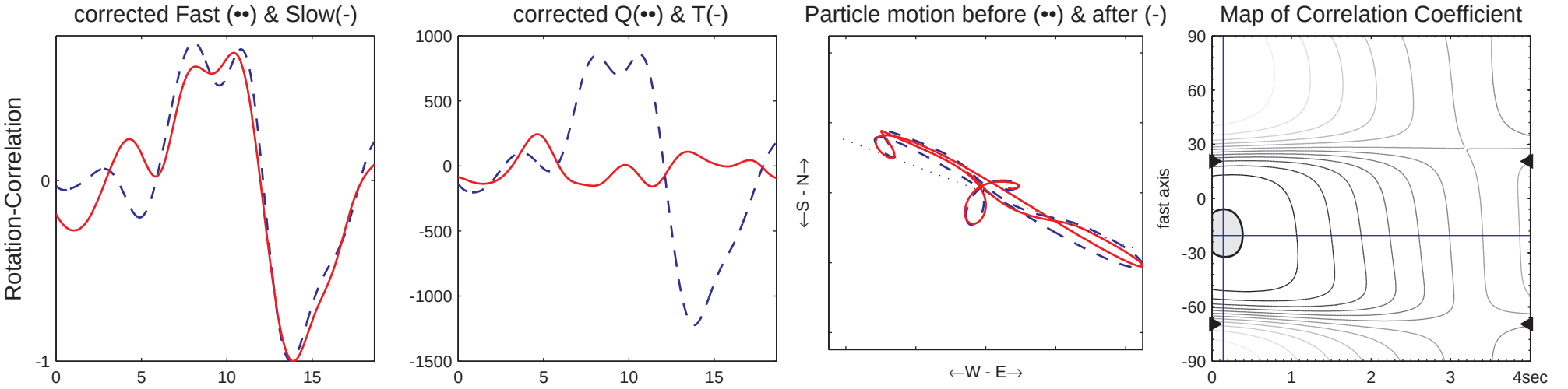


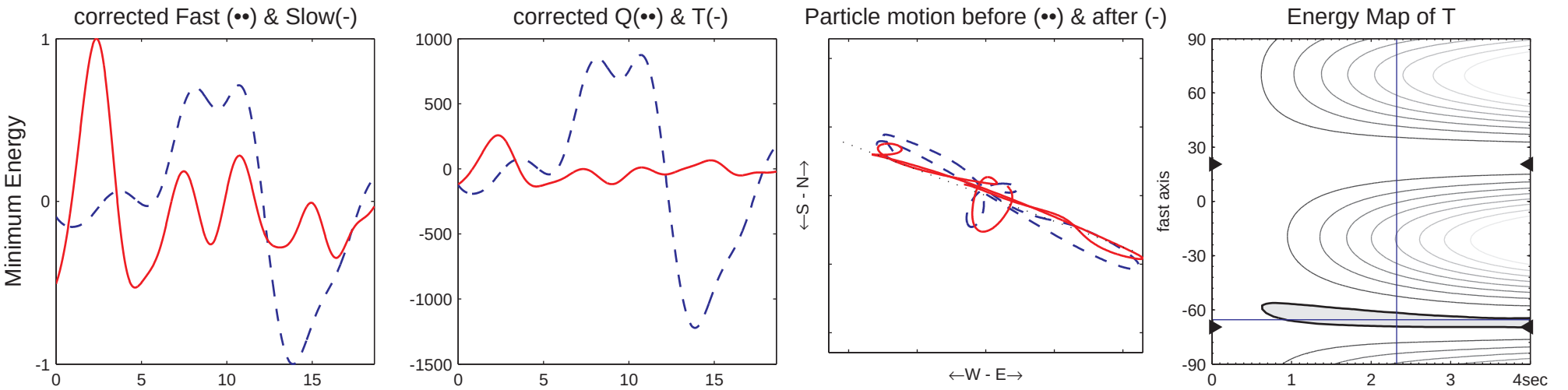
Event: **12-Mar-2009 (071) 23:23** **5.69N -82.77E** **9km** Mw=**6.3**
Station: **KDHN** Backazimuth: **290.5”** Distance: **105.42”**
init.Pol.: **116.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.9**

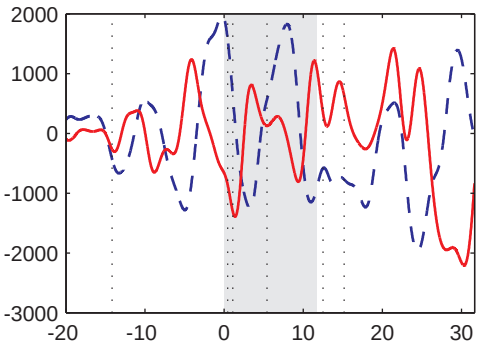
Rotation Correlation:	-34<	-20° < -7	0.0<0.1s<0.4
Minimum Energy:	-72<	-65° < -58	0.6<2.3s<4.0
Eigenvalue:	-70<	-63° < 19	0.0<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





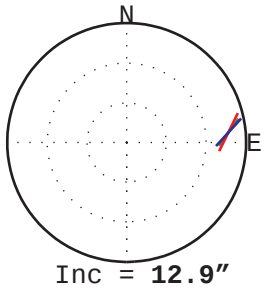




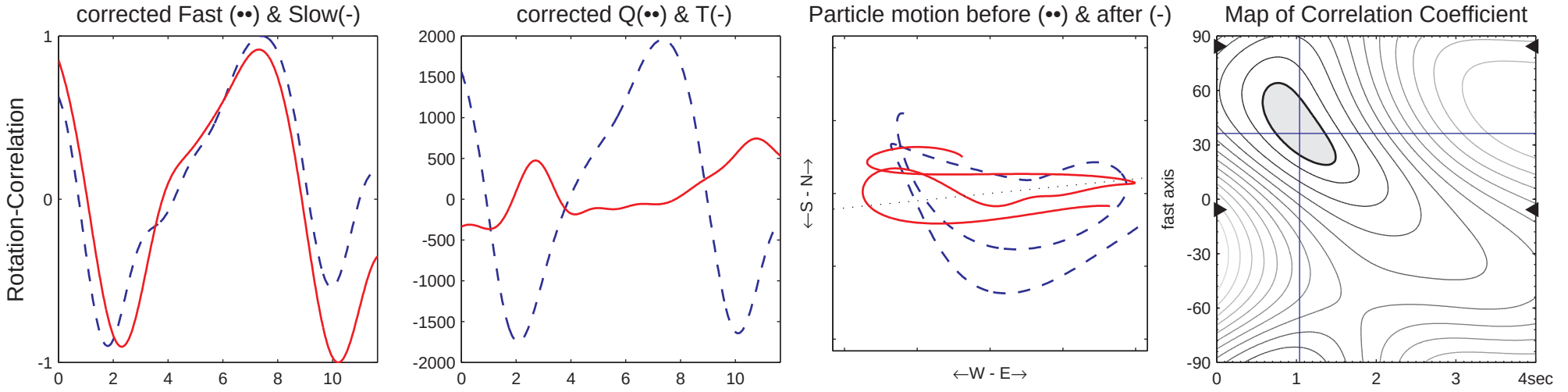
Event: **16-Mar-2009 (075) 14:15 3.81N 126.55E 35km Mw=6.3**
Station: **KDHN** Backazimuth: **84.3”** Distance: **91.09”**
init.Pol.: **275.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

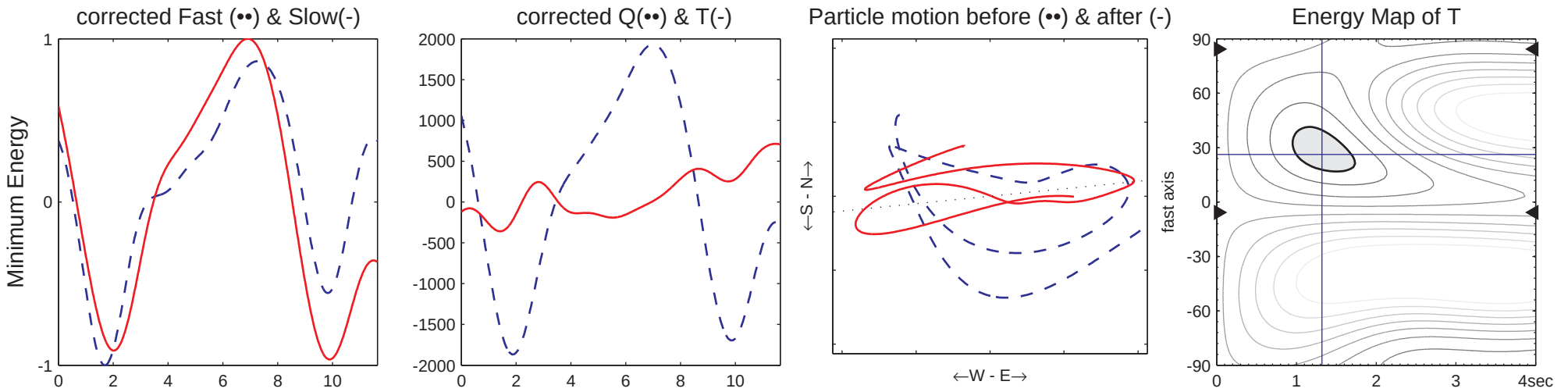
Rotation Correlation:	19<	36° <	64	0.6<1.0s<1.5
Minimum Energy:	17<	26° <	41	1.0<1.3s<1.7
Eigenvalue:	25<	42° <	68	0.8<1.2s<1.5

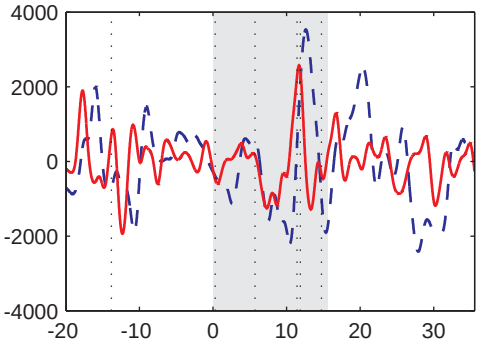
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.9”**



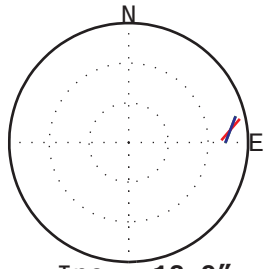




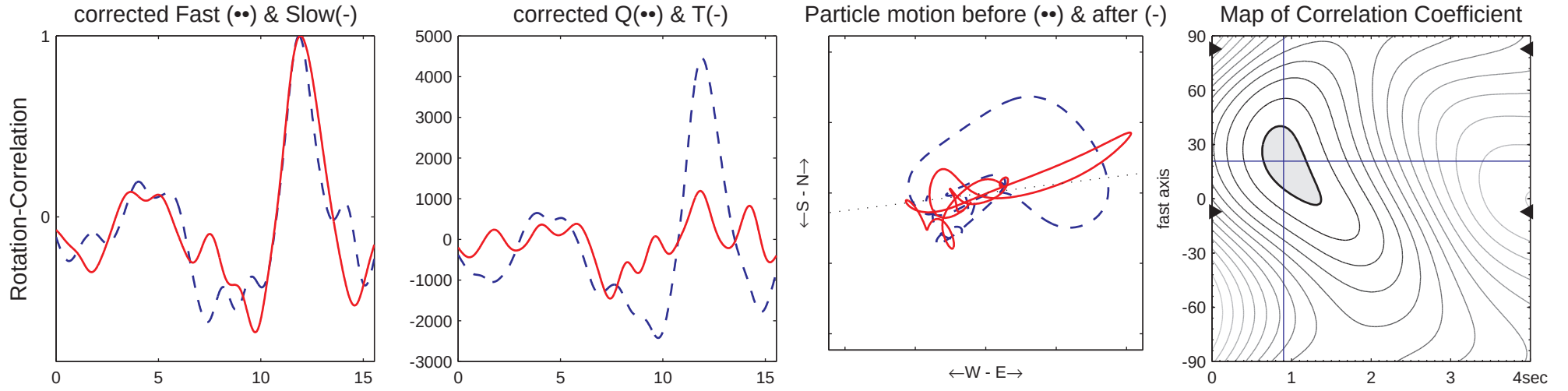
Event: **04-Apr-2009 (094) 05:31 5.15N 127.20E 48km Mw=6.3**
Station: **KDHN** Backazimuth: **82.8”** Distance: **90.75”**
init.Pol.: **250.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

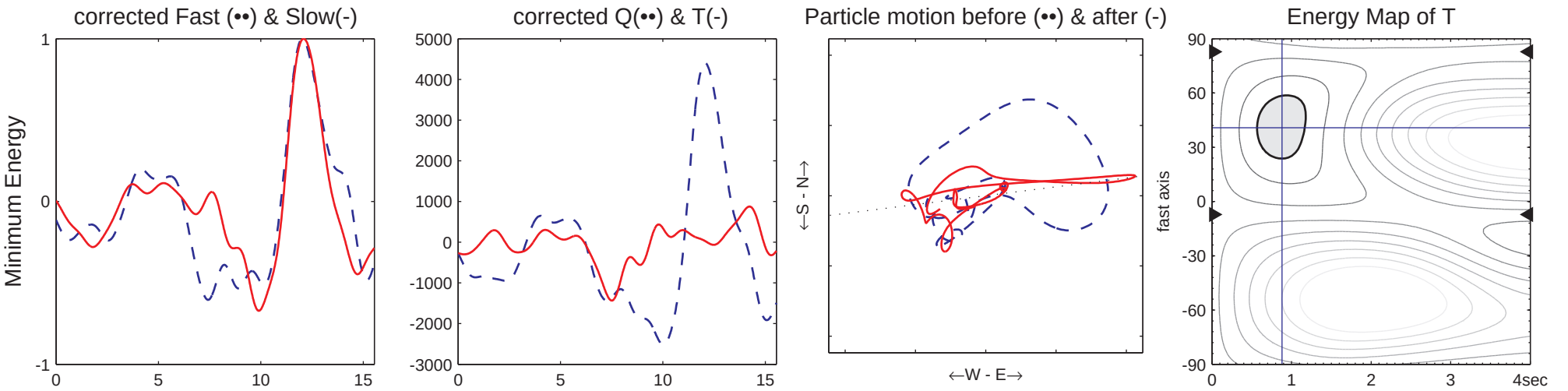
Rotation Correlation:	-4<	21° <	40	0.6<0.9s<1.4
Minimum Energy:	23<	41° <	58	0.6<0.9s<1.2
Eigenvalue:	-21<	21° <	52	0.6<0.9s<1.8

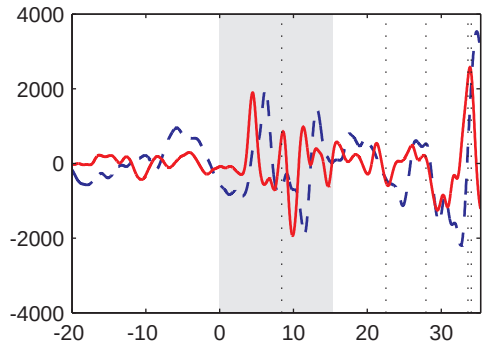
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.9”**



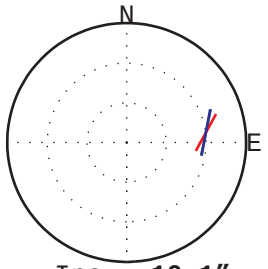




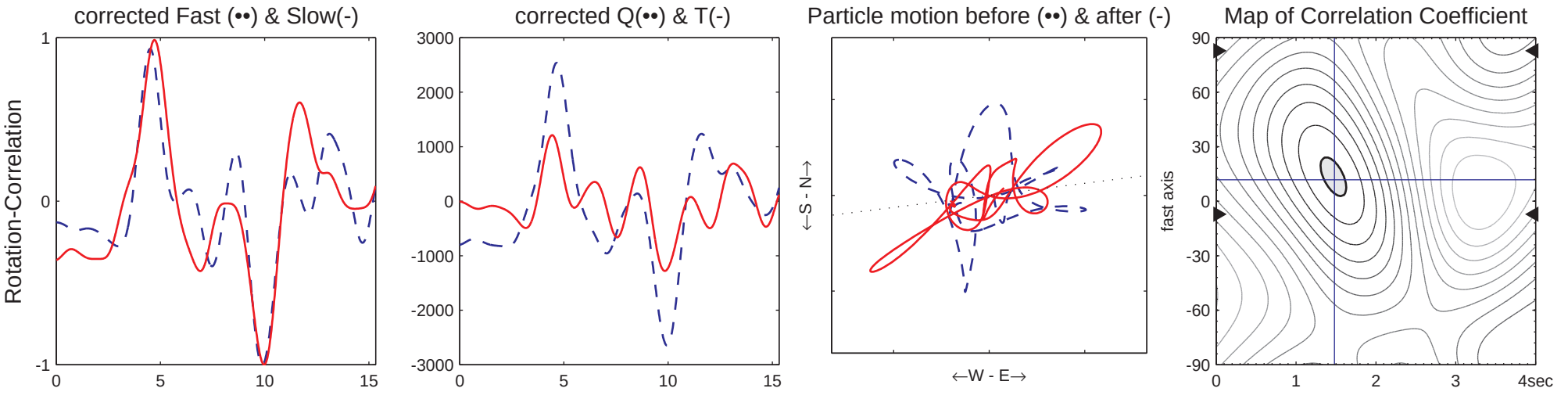
Event: **04-Apr-2009 (094) 05:31 5.15N 127.20E 48km Mw=6.3**
Station: **KDHN** Backazimuth: **82.8”** Distance: **90.75”**
init.Pol.: **241.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

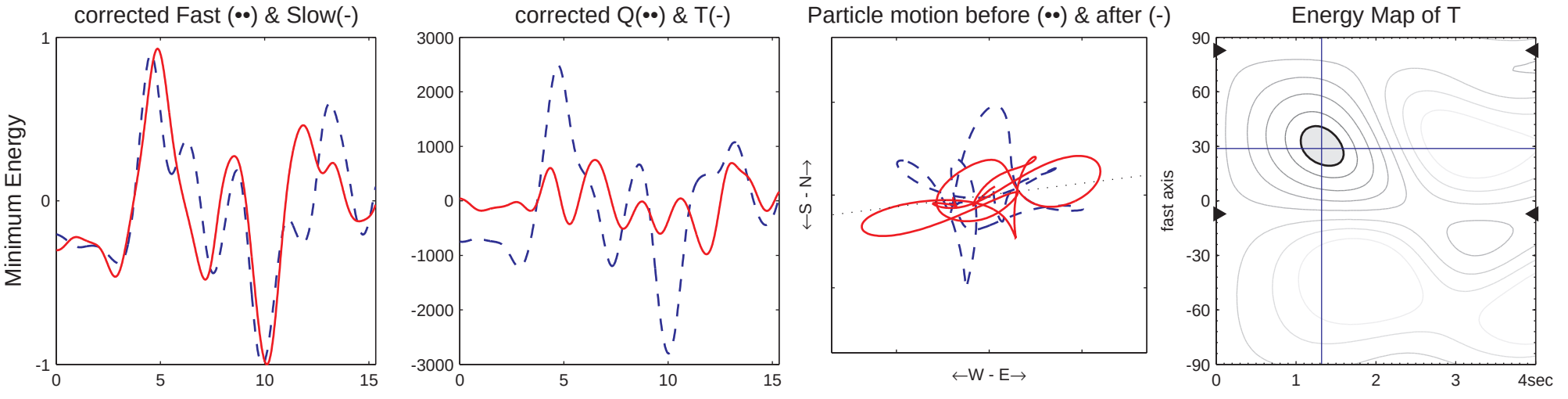
Rotation Correlation:	3<	12° <	24	1.3<1.5s<1.6
Minimum Energy:	19<	29° <	41	1.0<1.3s<1.6
Eigenvalue:	-5<	11° <	25	1.2<1.5s<1.7

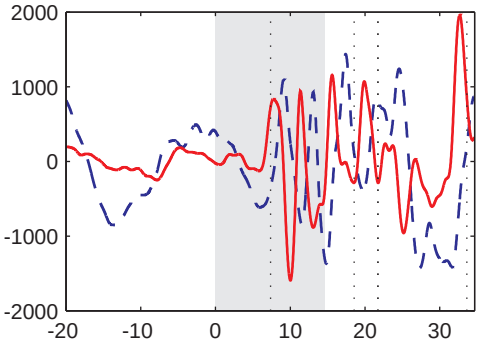
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



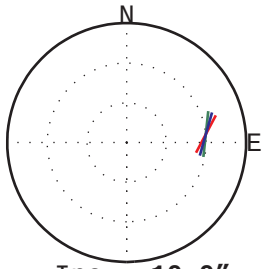




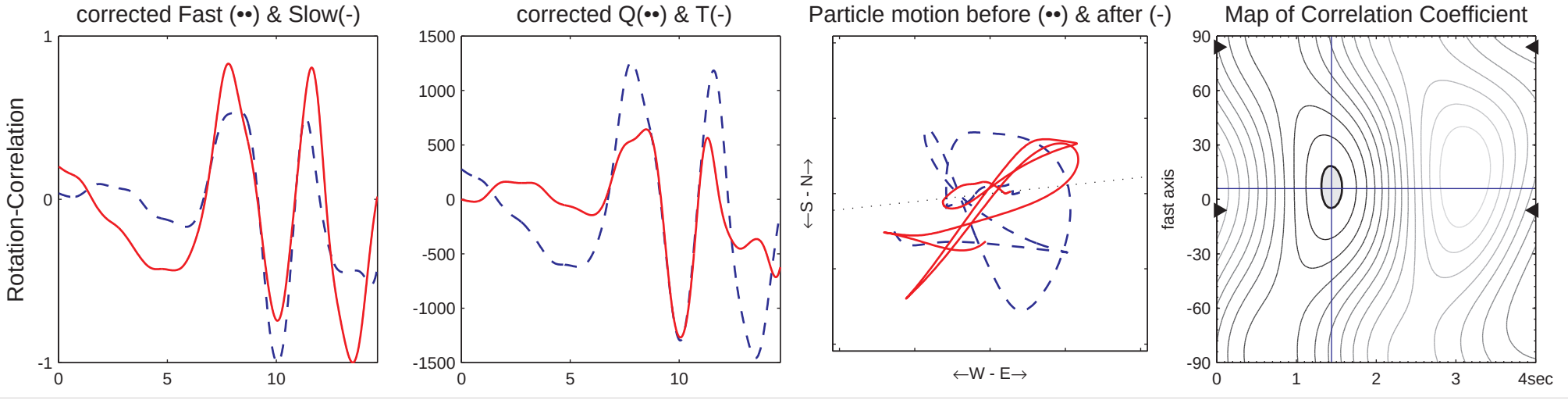
Event: **19-Apr-2009 (109) 05:23 4.14N 126.68E 25km Mw=6.1**
Station: **KDHN** Backazimuth: **83.9”** Distance: **90.98”**
init.Pol.: **248.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

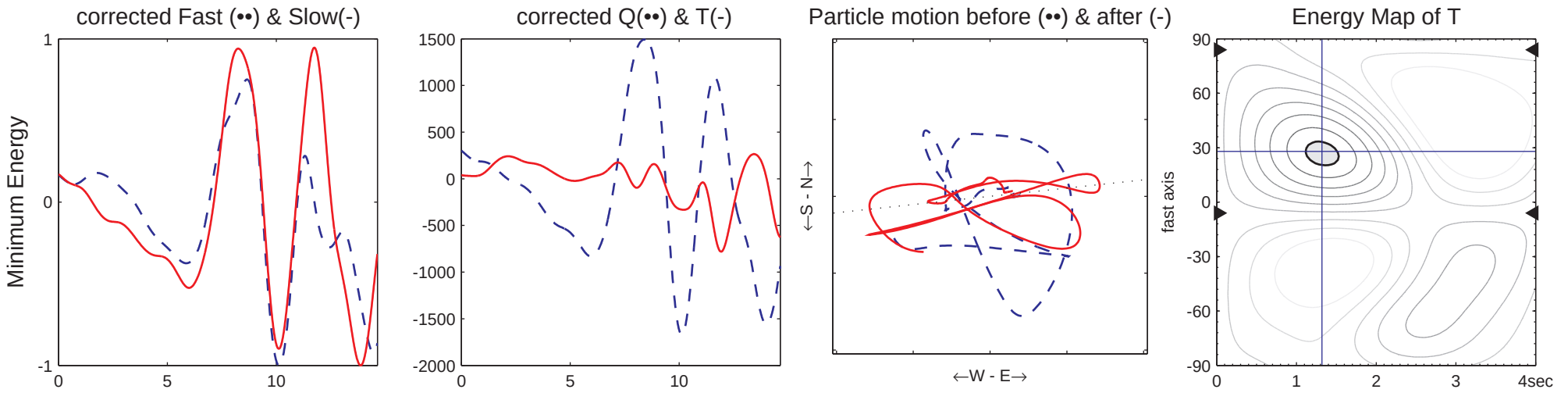
Rotation Correlation:	-5<	6° <	19	1.3<1.4s<1.6
Minimum Energy:	21<	28° <	33	1.1<1.3s<1.5
Eigenvalue:	-7<	16° <	39	1.1<1.4s<1.6

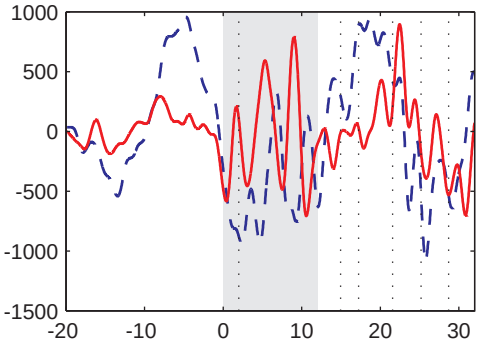
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.0”**



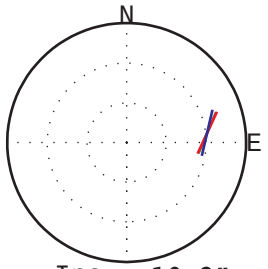


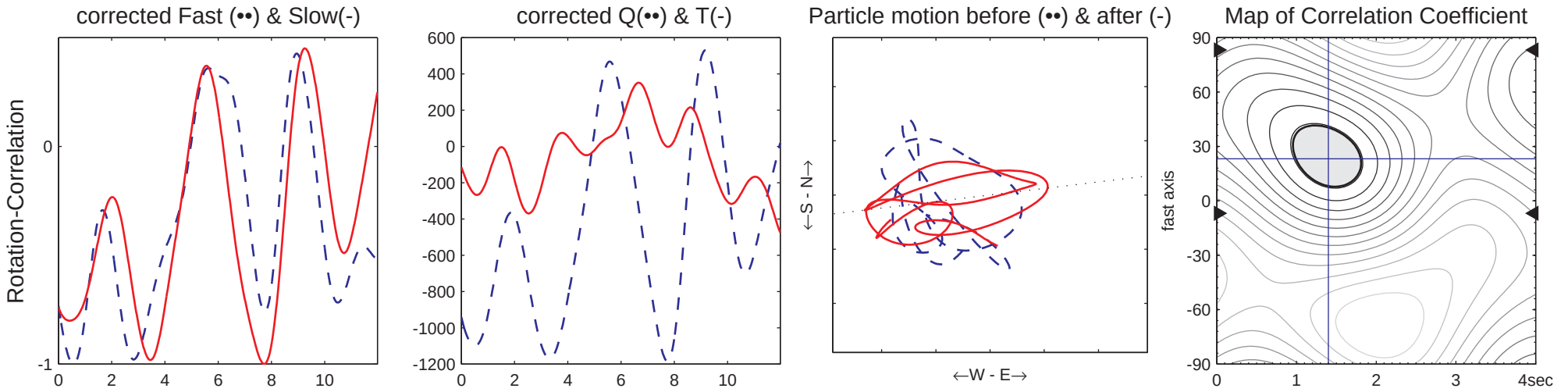


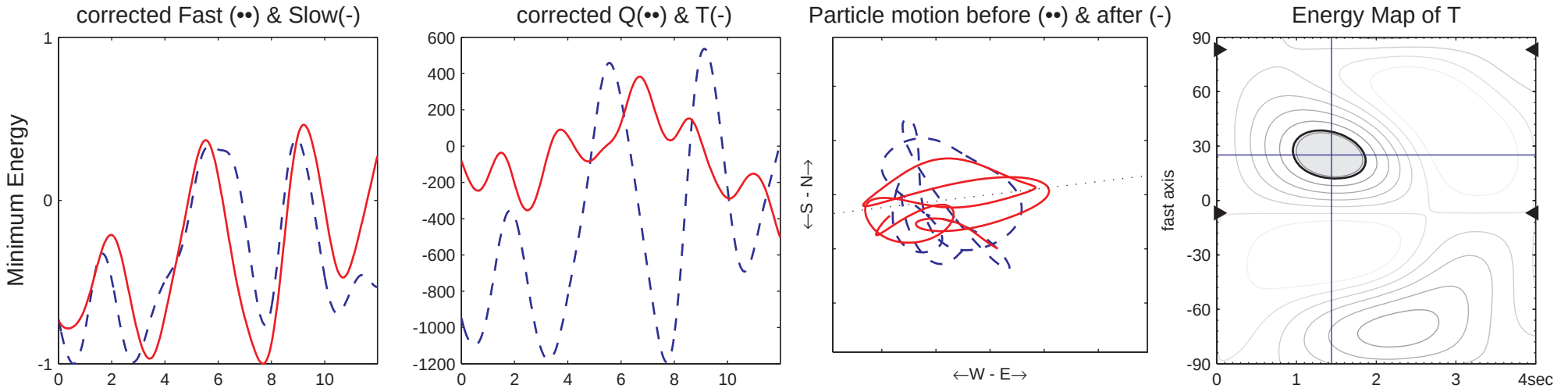
Event: **14-Jun-2009 (165) 05:58 5.36N 126.44E 35km Mw=6.1**
Station: **KDHN** Backazimuth: **83.1”** Distance: **90.03”**
init.Pol.: **244.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.1**

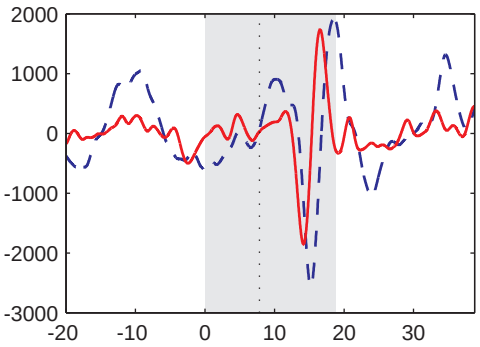
Rotation Correlation:	8<	23° <	42	1.0<1.4s<1.8
Minimum Energy:	11<	25° <	39	1.0<1.4s<1.9
Eigenvalue:	-17<	13° <	43	1.1<1.5s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





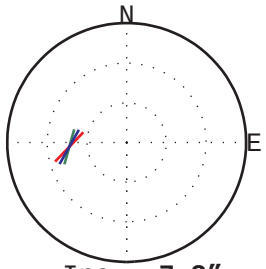




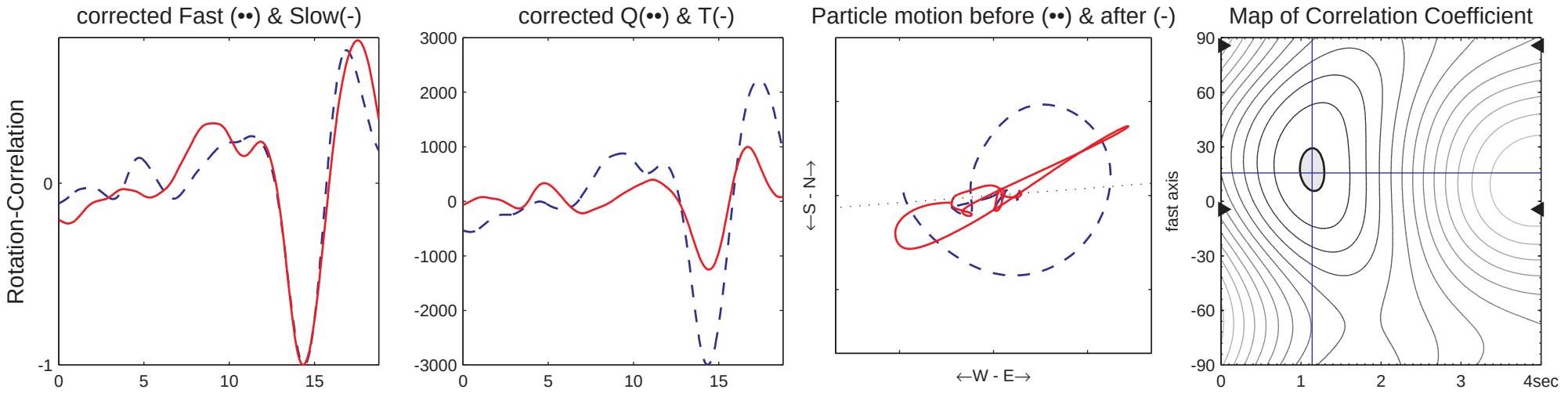
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **KDHN** Backazimuth: **265.6”** Distance: **109.02”**
init.Pol.: **74.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.2**

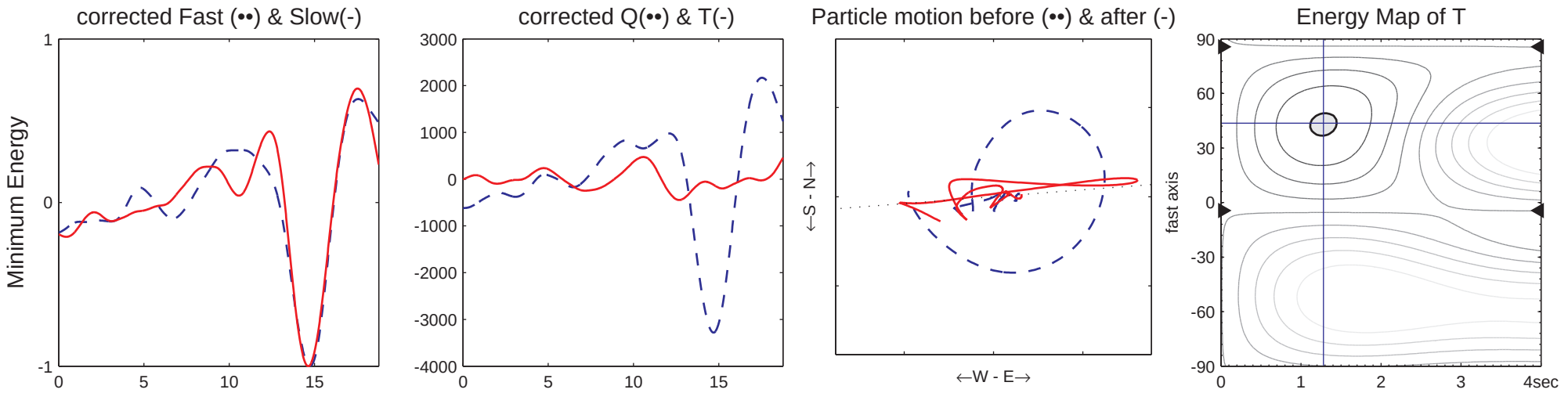
Rotation Correlation:	6<	16° <	30	1.0<1.1s<1.3
Minimum Energy:	37<	44° <	50	1.1<1.3s<1.4
Eigenvalue:	19<	30° <	39	1.1<1.2s<1.4

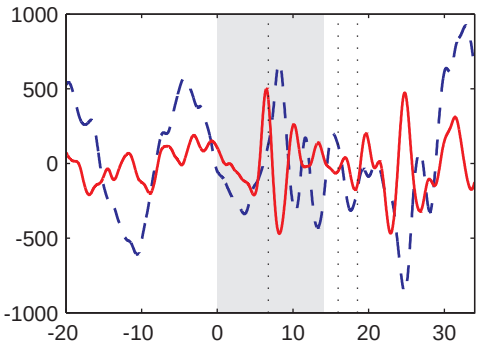
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.3”**



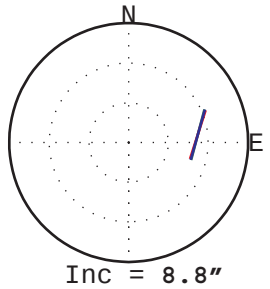


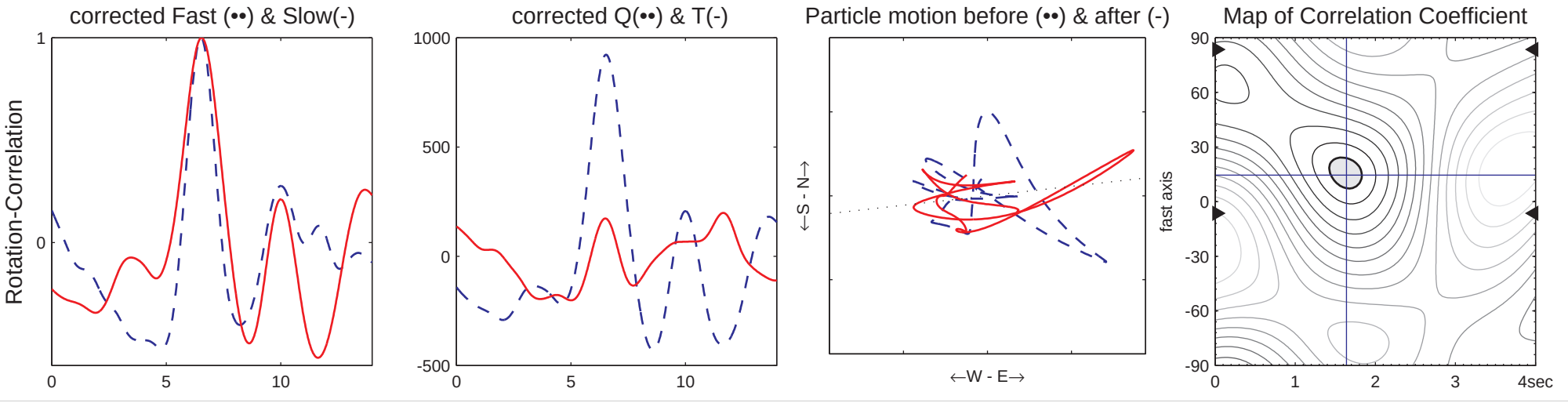


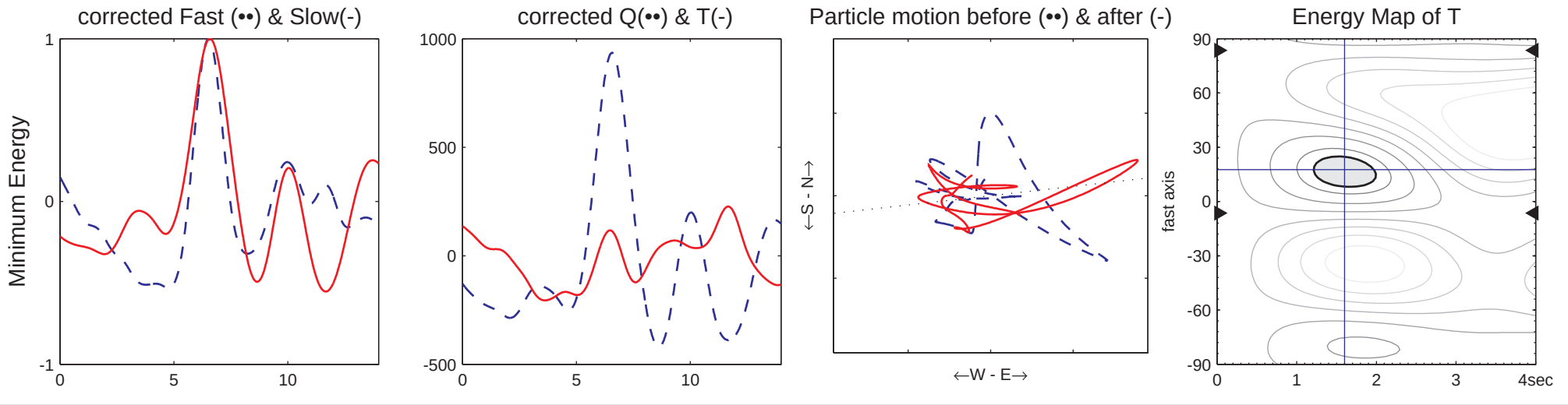
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **KDHN** Backazimuth: **83.6”** Distance: **98.70”**
init.Pol.: **261.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

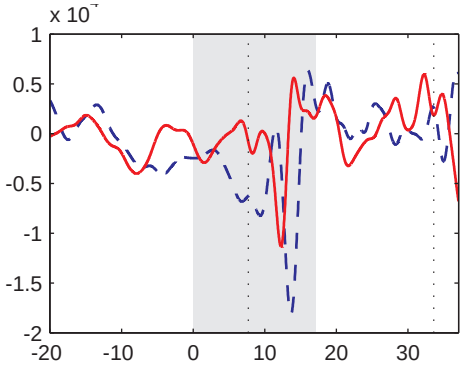
Rotation Correlation:	8<	15° <	25	1.4<1.6s<1.8
Minimum Energy:	9<	18° <	25	1.2<1.6s<2.0
Eigenvalue:	1<	16° <	29	1.2<1.6s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





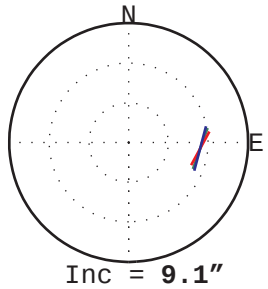


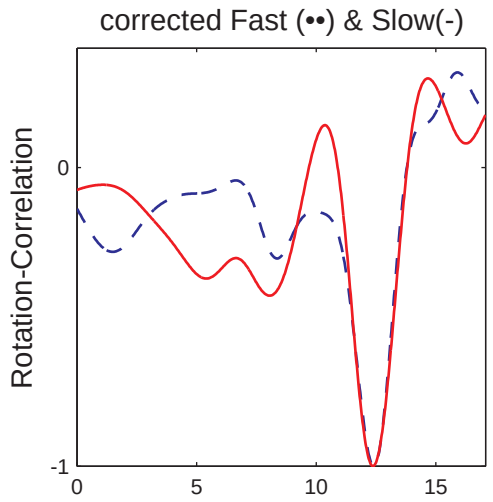


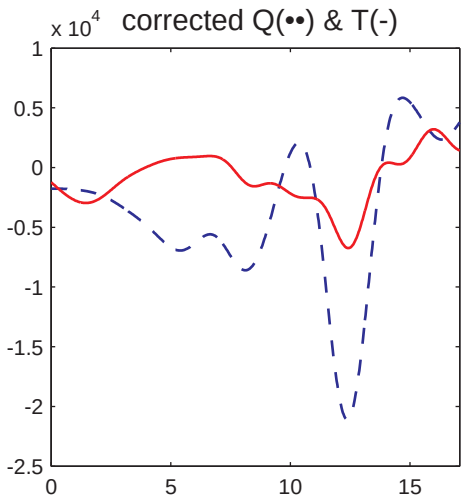
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **KDHN** Backazimuth: **94.8”** Distance: **95.46”**
init.Pol.: **256.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

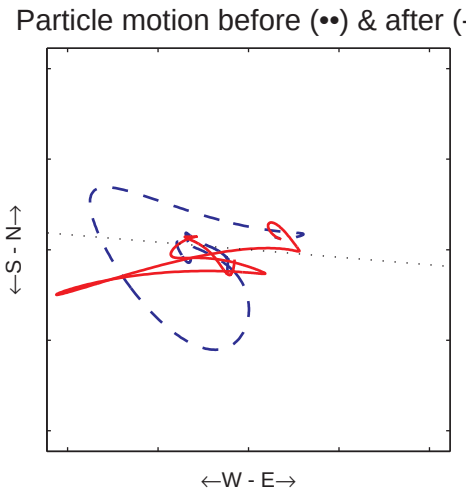
Rotation Correlation:	15<	20° <	28	1.2<1.4s<1.6
Minimum Energy:	21<	29° <	41	0.8<1.2s<1.6
Eigenvalue:	5<	15° <	25	1.2<1.4s<1.7

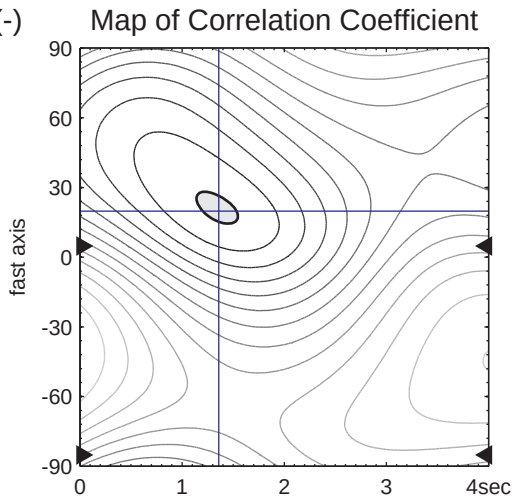
Quality: **fair** IsNull: **No** Phase: **SKS**

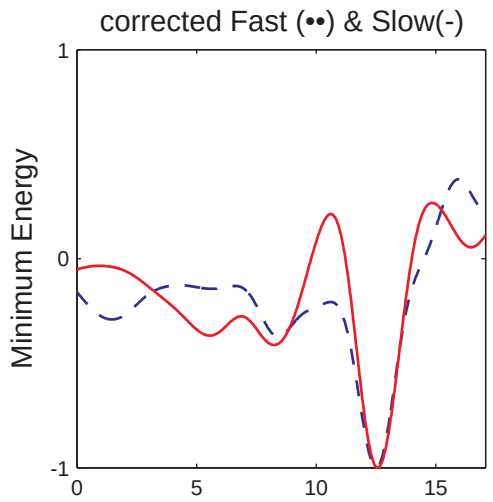


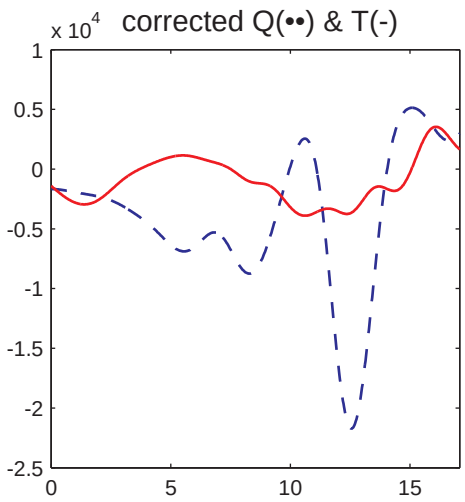


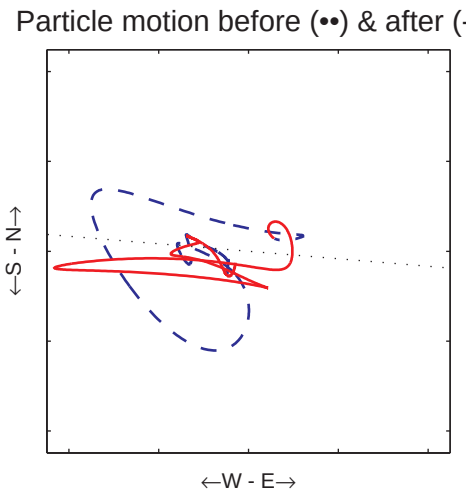


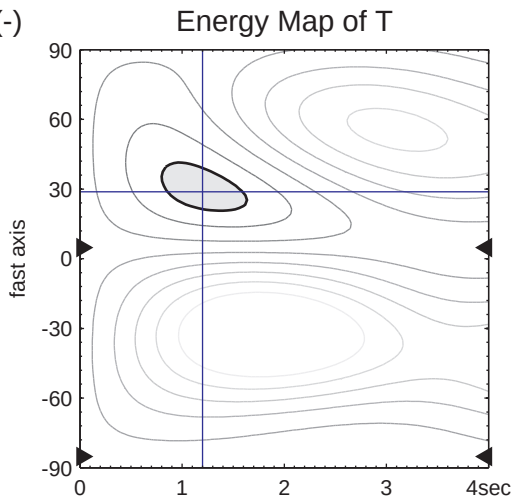


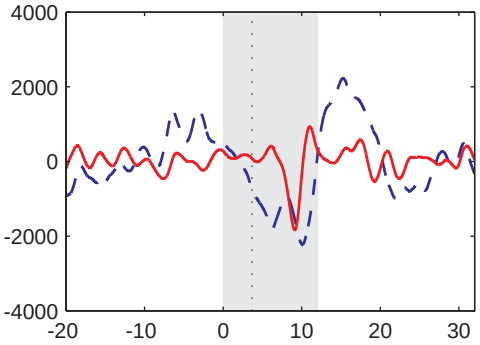








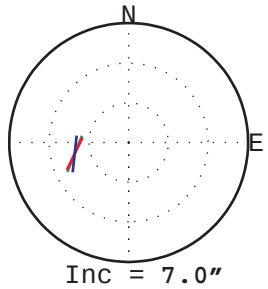


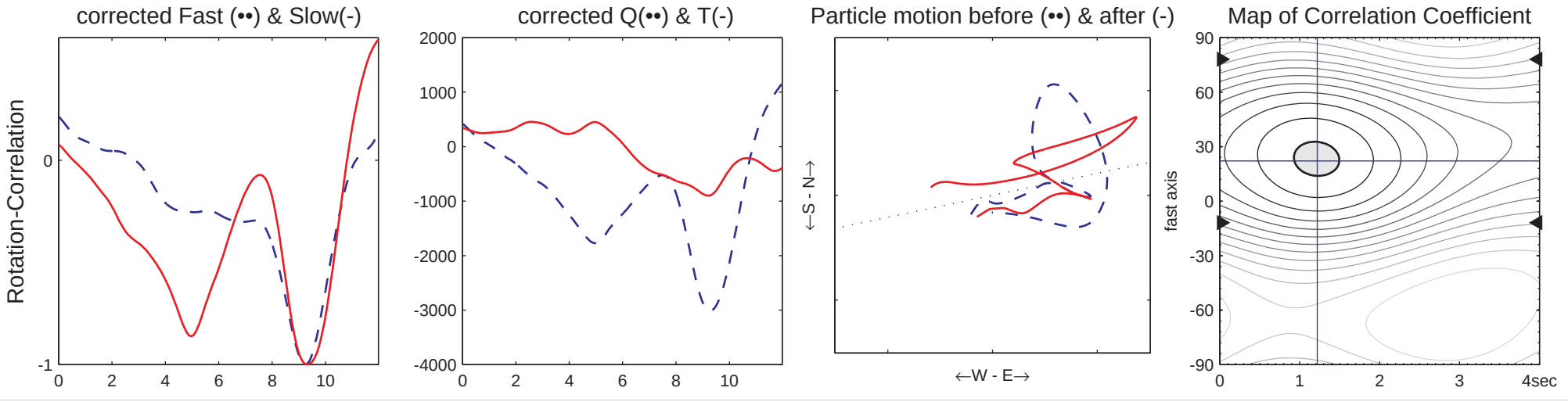


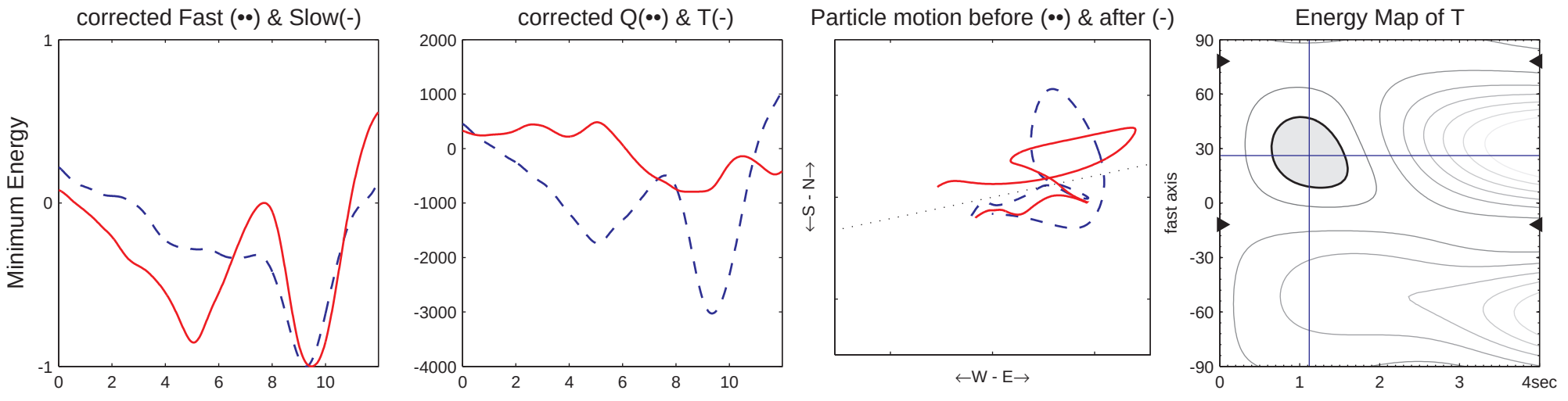
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=6.3
Station: **KDHN** Backazimuth: **258.1”** Distance: **111.52”**
init.Pol.: **57.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

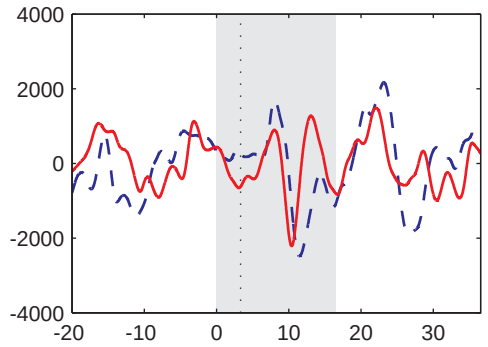
Rotation Correlation:	14<	22° <	33	0.9<1.2s<1.5
Minimum Energy:	9<	26° <	48	0.6<1.1s<1.6
Eigenvalue:	-15<	6° <	31	0.7<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





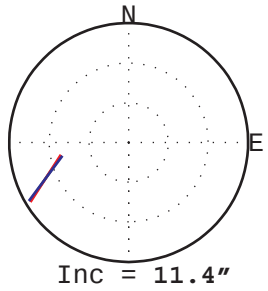


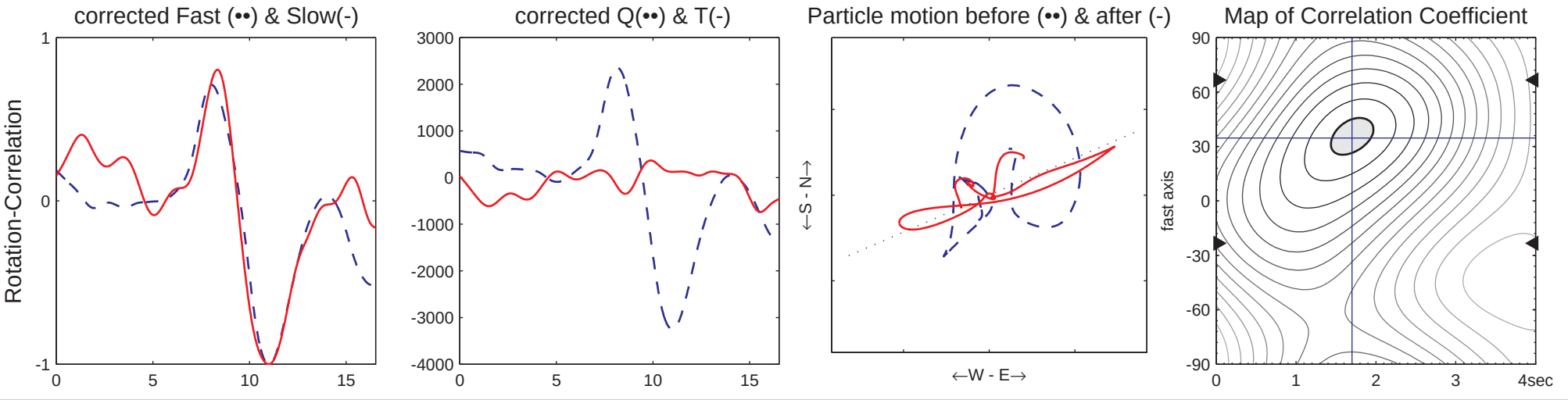


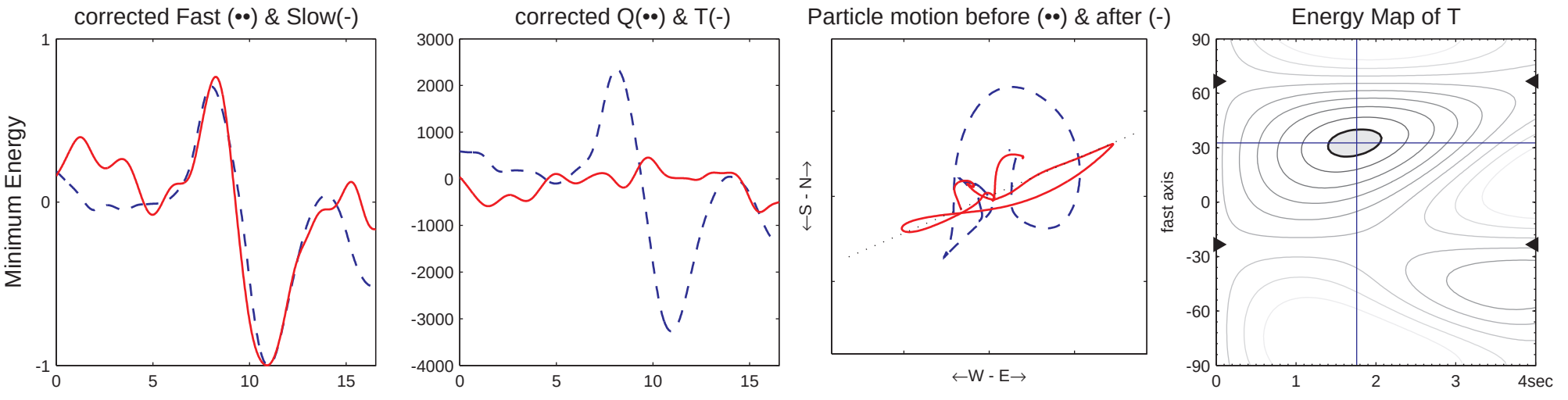
Event: **05-Mar-2010 (064) 11:47 -36.66N -73.37E 18km Mw=6.6**
Station: **KDHN** Backazimuth: **246.6”** Distance: **122.65”**
init.Pol.: **72.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

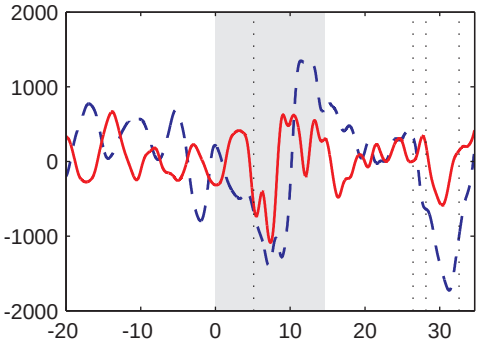
Rotation Correlation:	26<	35° <	46	1.4<1.7s<2.0
Minimum Energy:	25<	33° <	39	1.4<1.8s<2.1
Eigenvalue:	25<	37° <	48	1.4<1.8s<2.1

Quality: **fair** IsNull: **No** Phase: **SKKS**





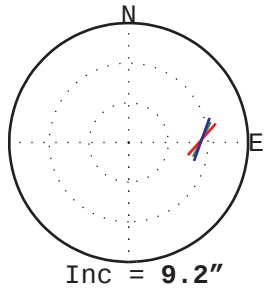


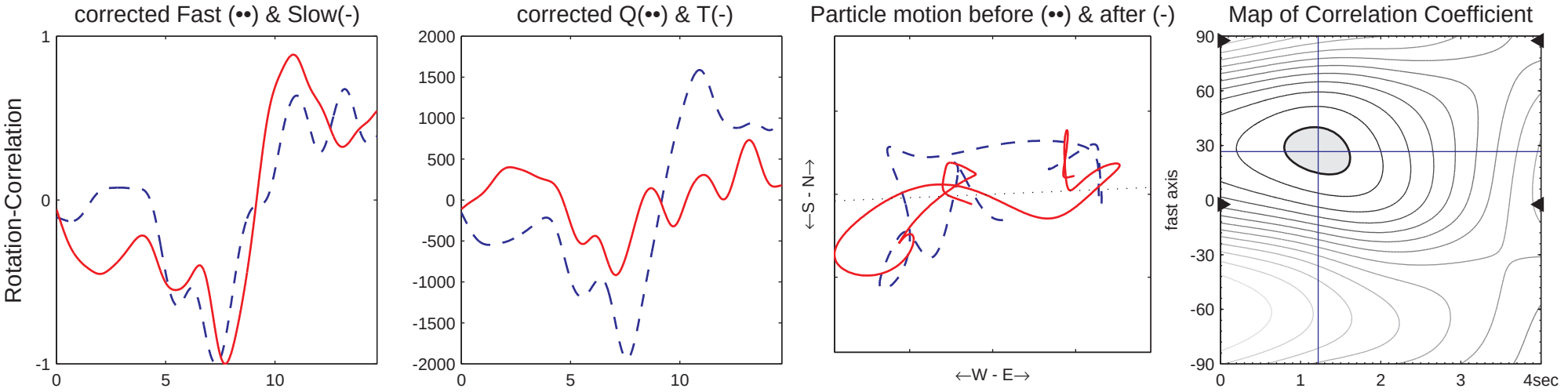


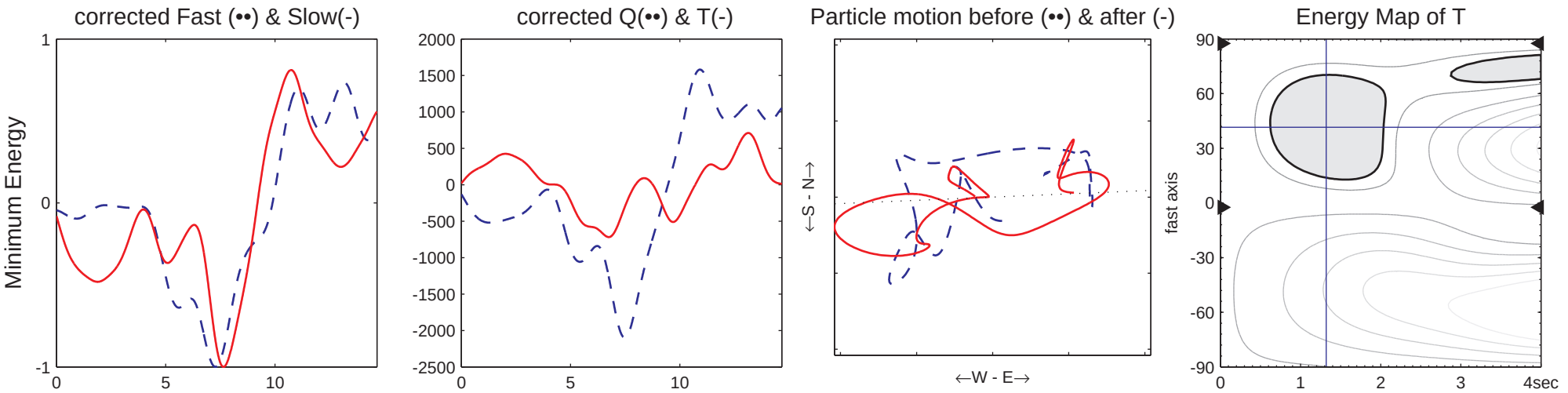
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **KDHN** Backazimuth: **87.6”** Distance: **95.76”**
init.Pol.: **251.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.9**

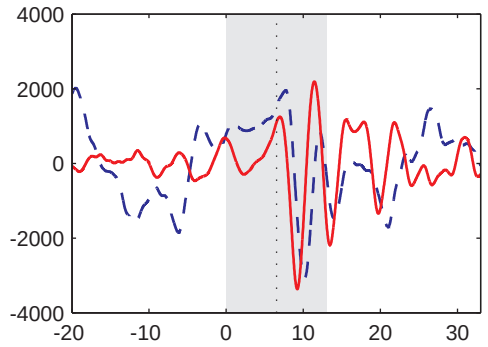
Rotation Correlation:	15<	27° <	40	0.8<1.2s<1.6
Minimum Energy:	13<	42° <	70	0.6<1.3s<2.1
Eigenvalue:	-5<	20° <	50	0.8<1.4s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





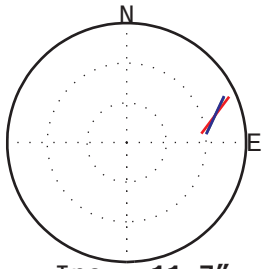




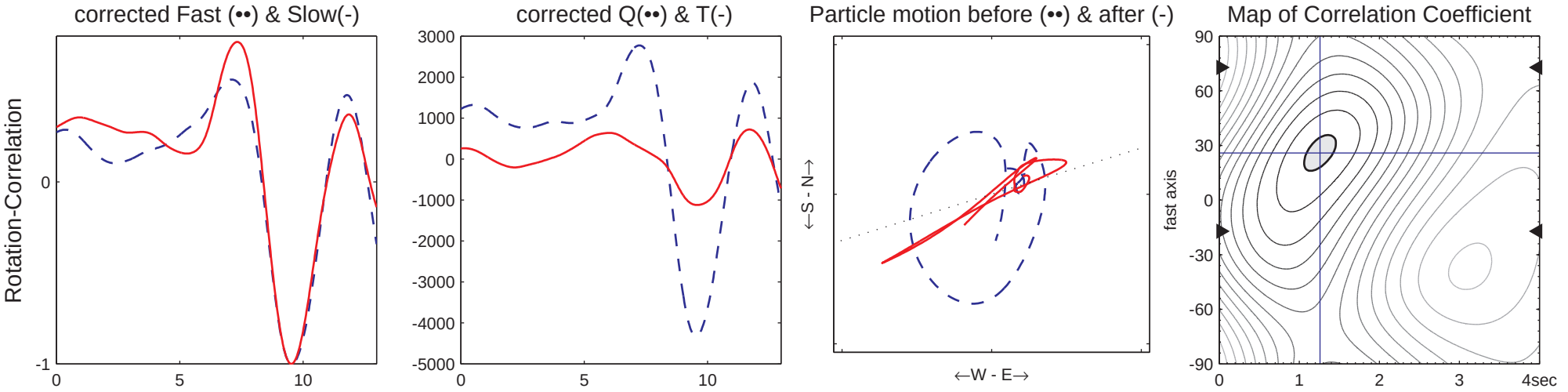
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **KDHN** Backazimuth: **72.9”** Distance: **115.38”**
init.Pol.: **238.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.7**

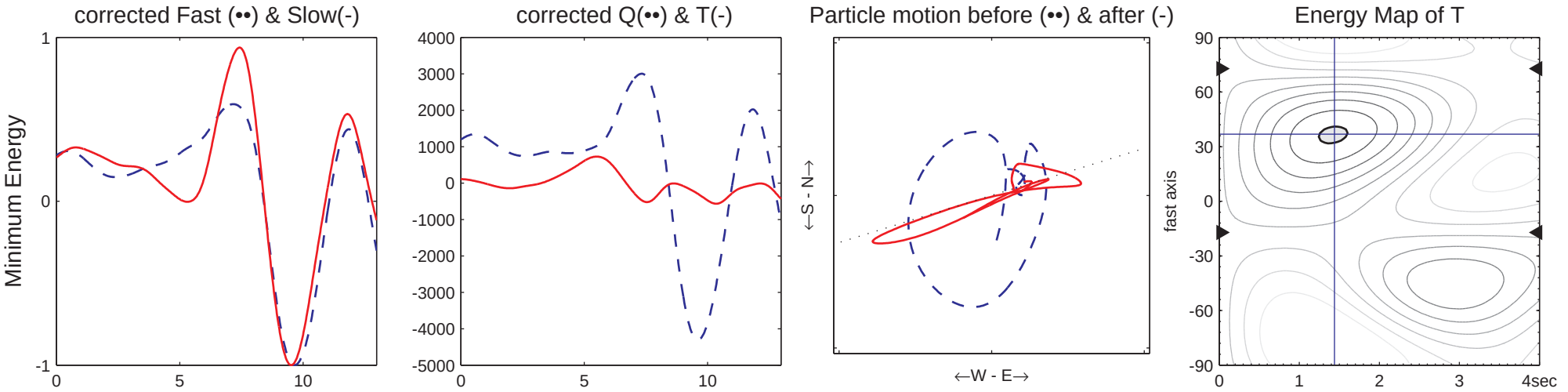
Rotation Correlation:	16<	26° <	36	1.1<1.3s<1.4
Minimum Energy:	31<	37° <	41	1.2<1.4s<1.6
Eigenvalue:	19<	25° <	31	1.2<1.3s<1.4

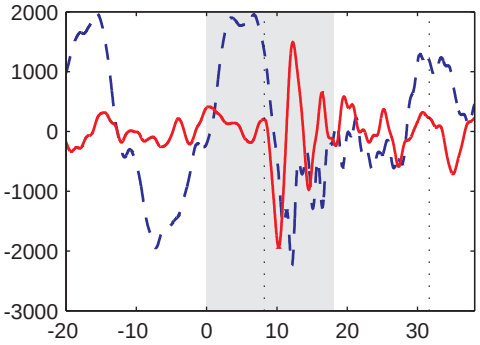
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.7”**



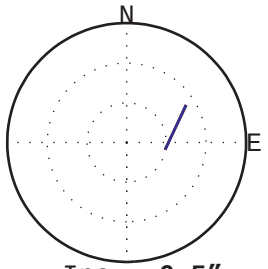


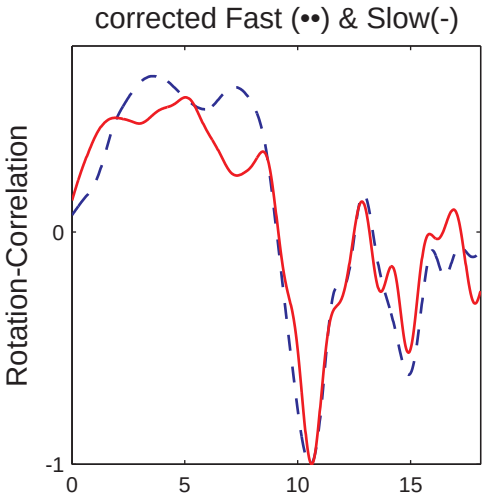


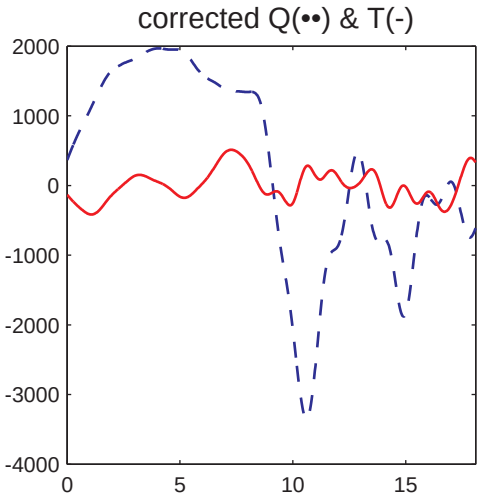
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **KDHN** Backazimuth: **72.9”** Distance: **115.38”**
init.Pol.: **252.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.4**

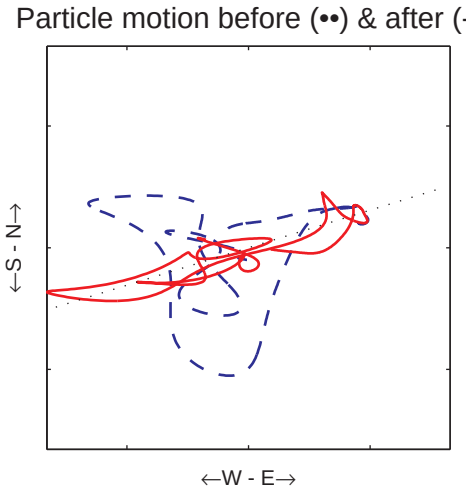
Rotation Correlation:	21<	26° <	32	1.4<1.5s<1.7
Minimum Energy:	19<	25° <	31	1.4<1.6s<1.7
Eigenvalue:	17<	25° <	31	1.4<1.6s<1.7

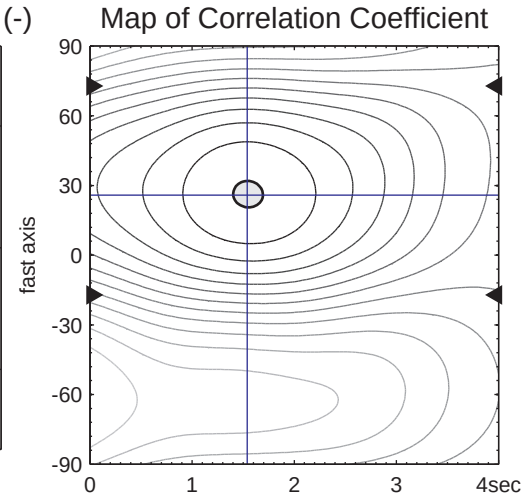
Quality: **good** IsNull: **No** Phase: **SKS**

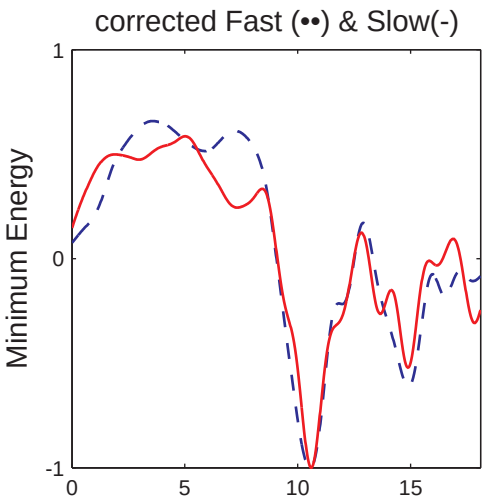


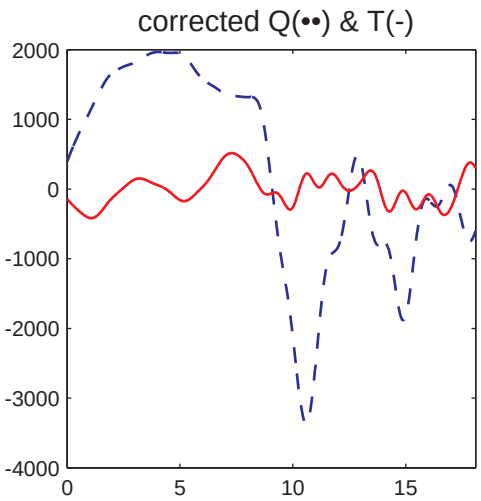


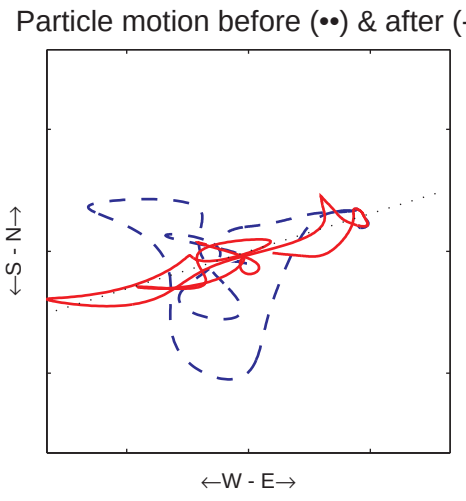


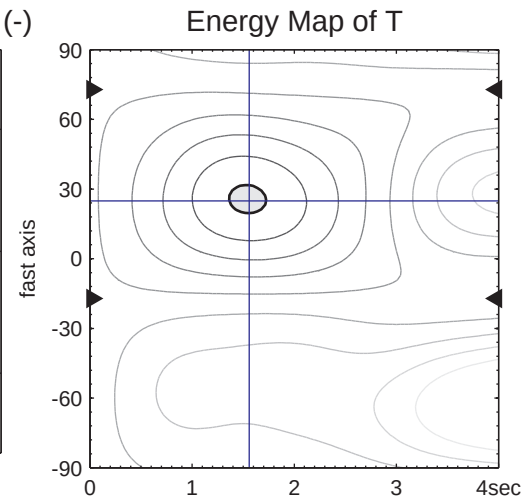


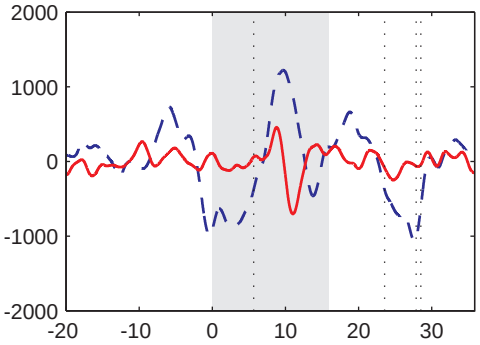








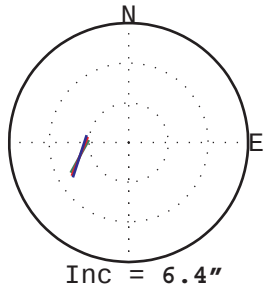


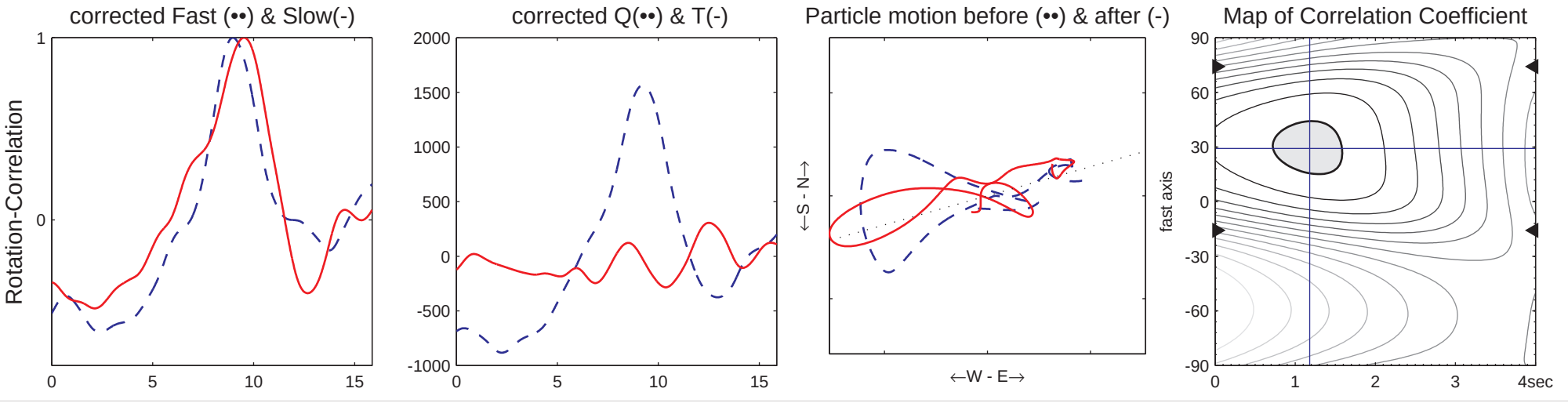


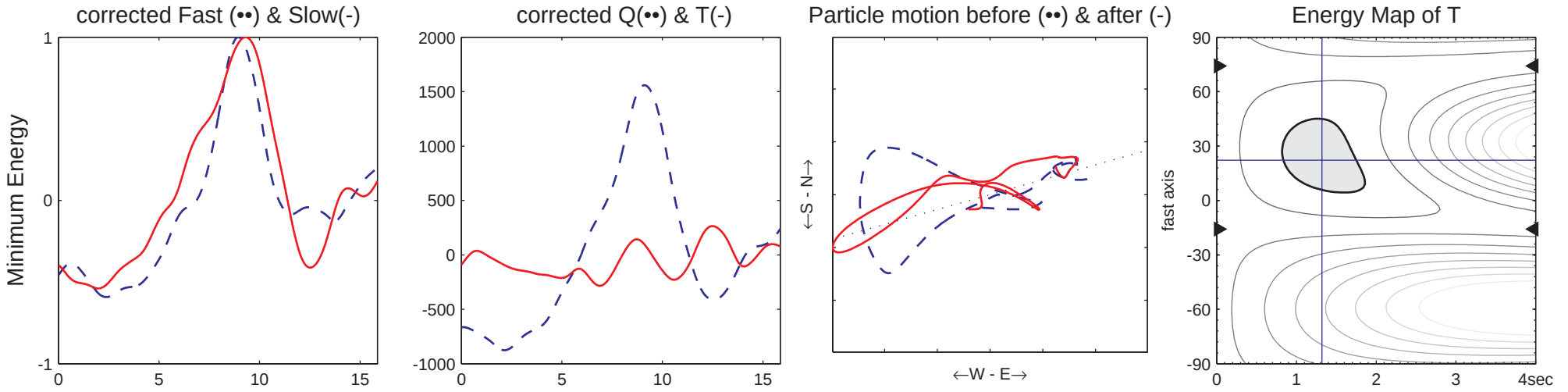
Event: **26-Mar-2010 (085) 14:52 -27.95N -70.82E 42km Mw=6.3**
Station: **KDHN** Backazimuth: **254.2”** Distance: **116.53”**
init.Pol.: **72.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.6**

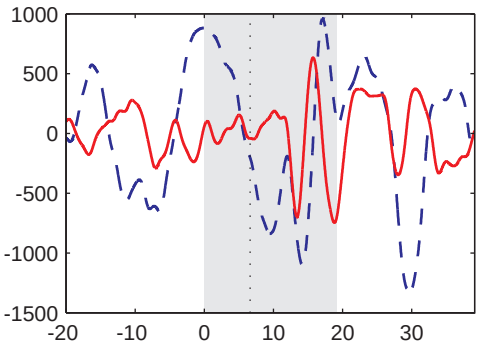
Rotation Correlation:	16<	29° <	44	0.7<1.2s<1.6
Minimum Energy:	5<	22° <	46	0.8<1.3s<1.8
Eigenvalue:	1<	18° <	43	0.9<1.4s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





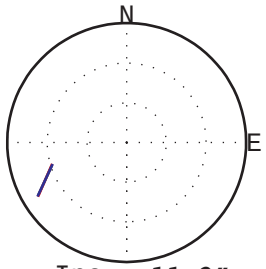




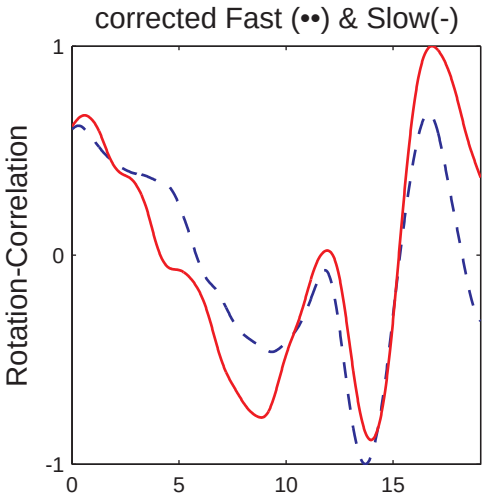
Event: **03-May-2010 (123) 23:09 -38.07N -73.45E 19km Mw=6.3**
Station: **KDHN** Backazimuth: **245.2”** Distance: **123.32”**
init.Pol.: **66.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

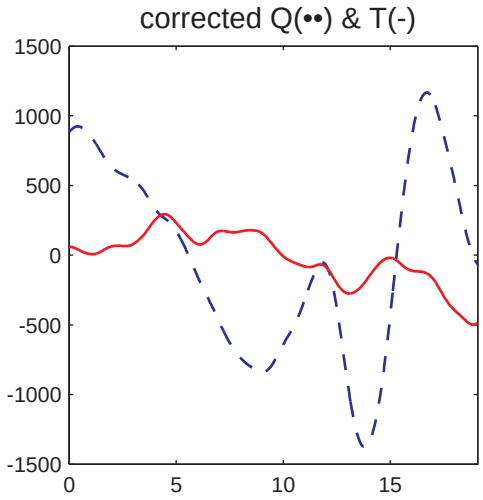
Rotation Correlation:	16<	24° <	33	0.8<1.0s<1.2
Minimum Energy:	9<	23° <	37	0.8<1.1s<1.4
Eigenvalue:	7<	25° <	43	0.8<1.1s<1.5

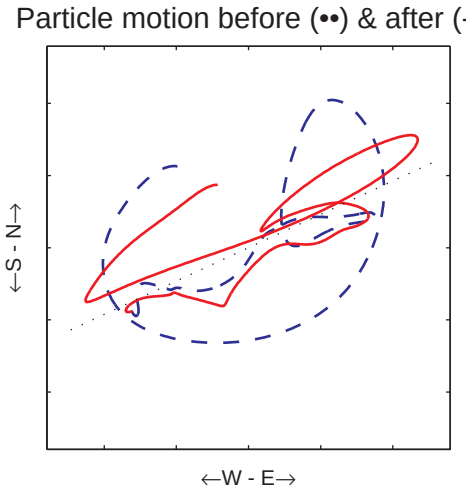
Quality: **fair** IsNull: **No** Phase: **SKKS**

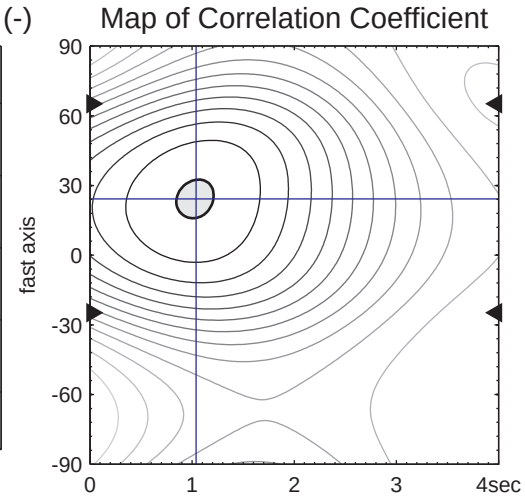


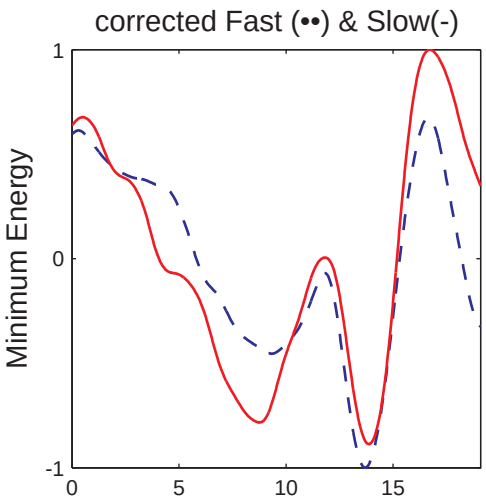
Inc = **11.3”**

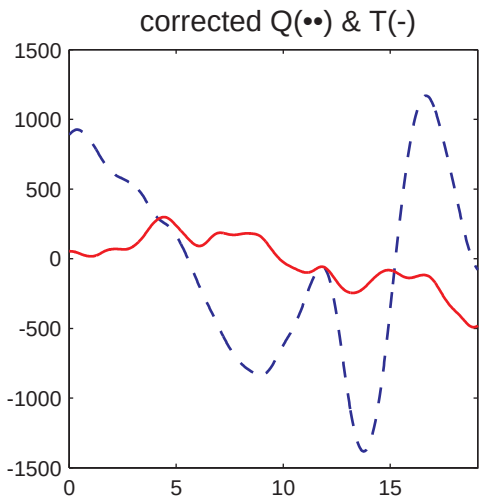


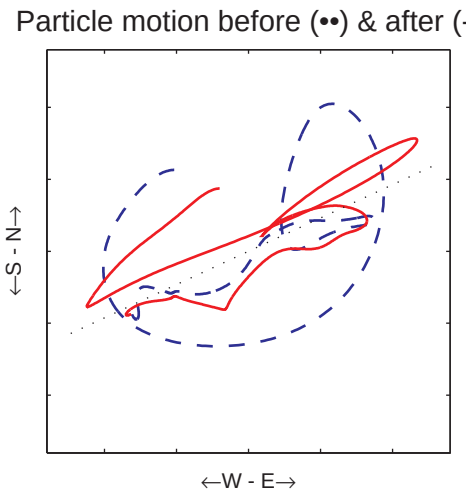


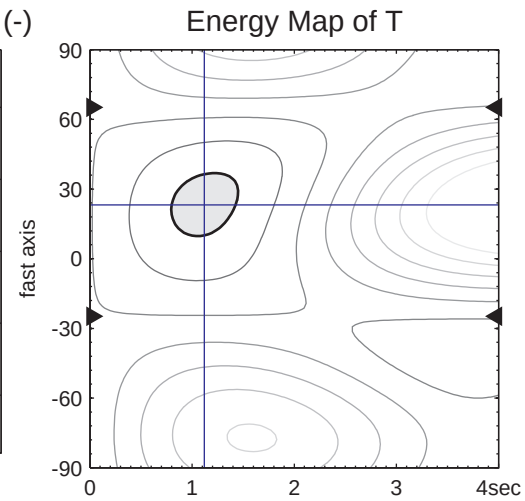


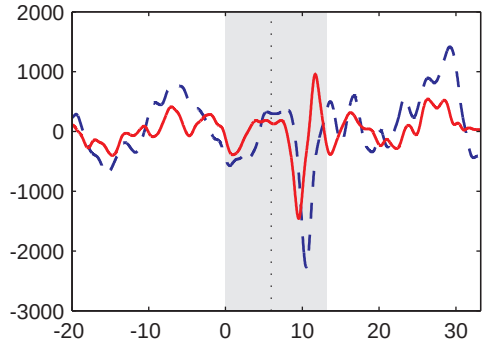








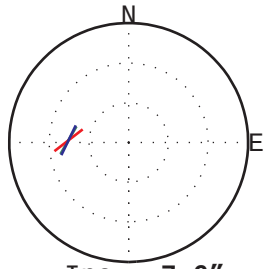


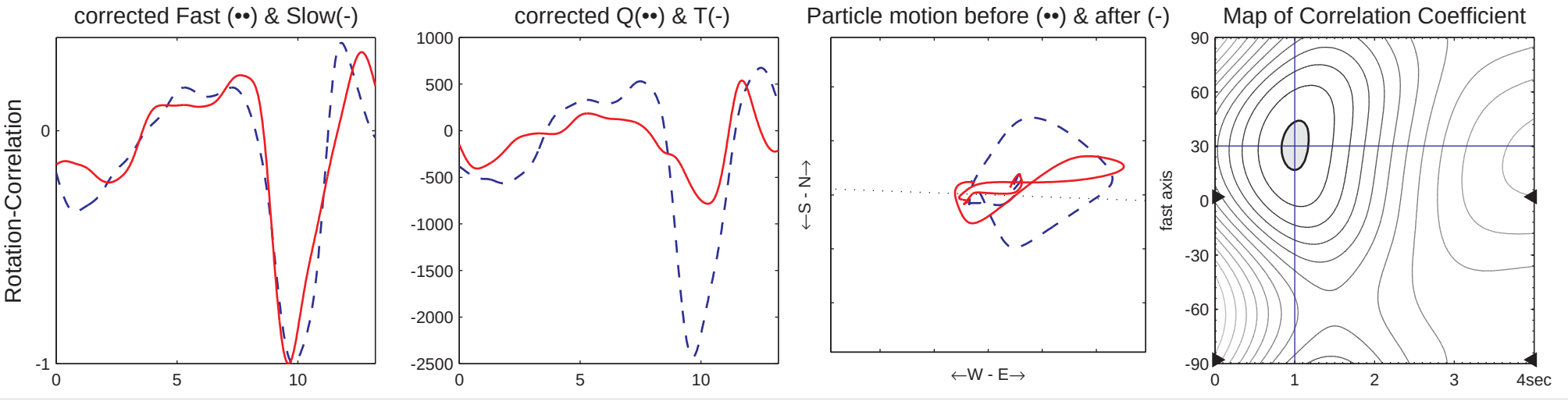


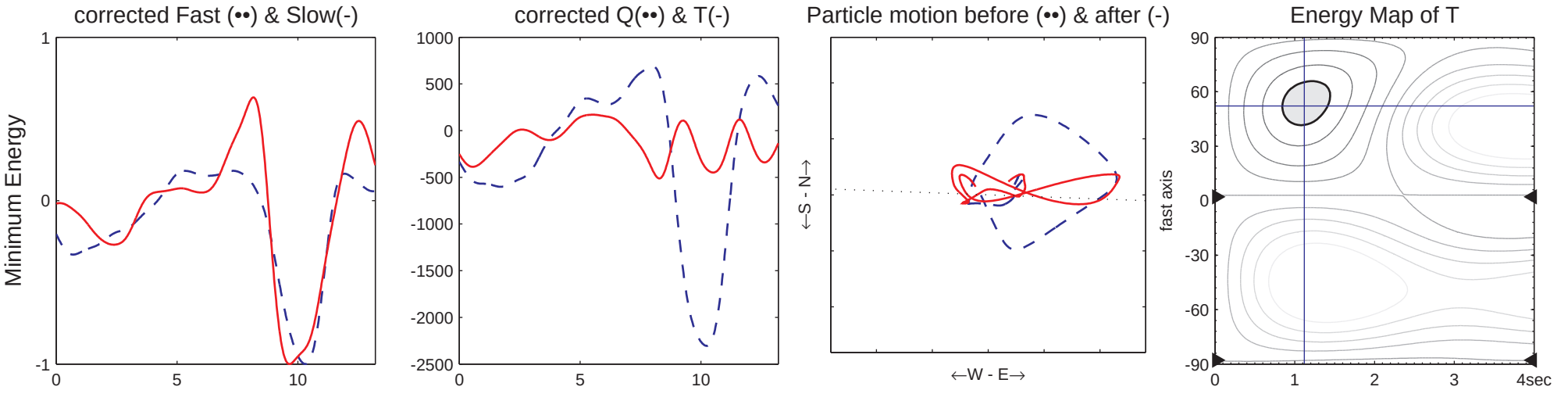
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **KDHN** Backazimuth: **272.1”** Distance: **105.71”**
init.Pol.: **72.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.9**

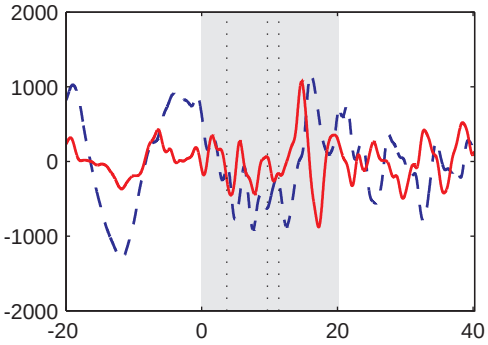
Rotation Correlation:	17<	30° <	44	0.8<1.0s<1.2
Minimum Energy:	41<	52° <	66	0.8<1.1s<1.4
Eigenvalue:	5<	26° <	50	0.9<1.0s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





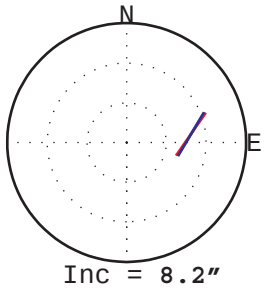


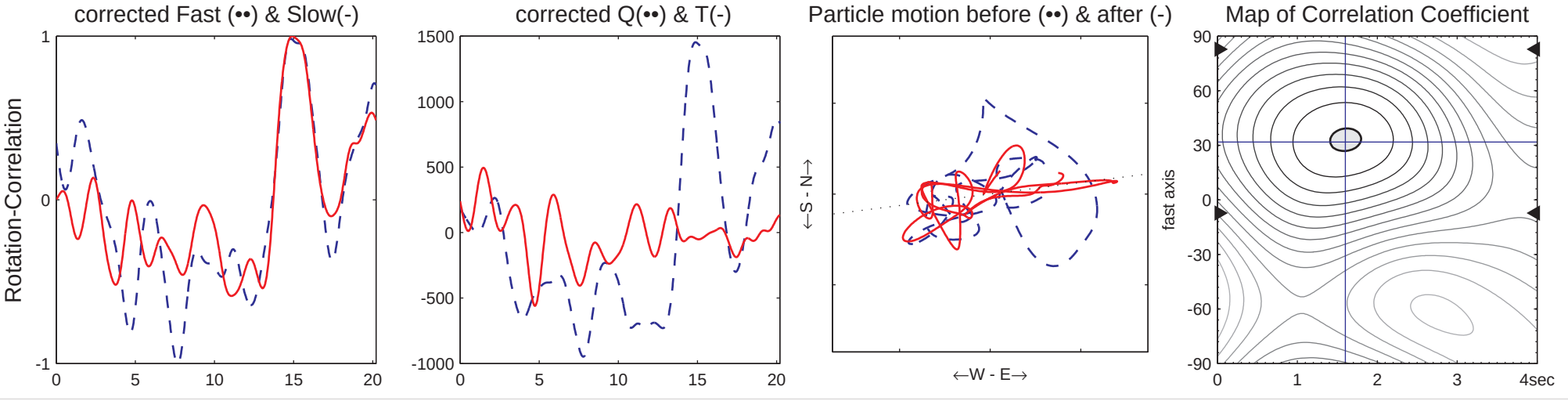


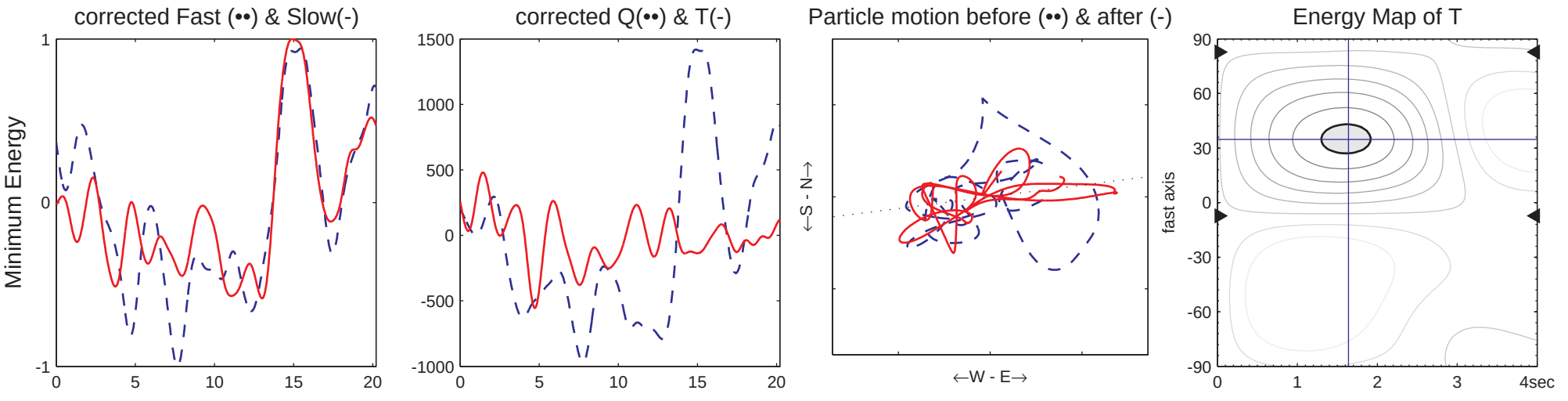
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **KDHN** Backazimuth: **82.7”** Distance: **102.82”**
init.Pol.: **258.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

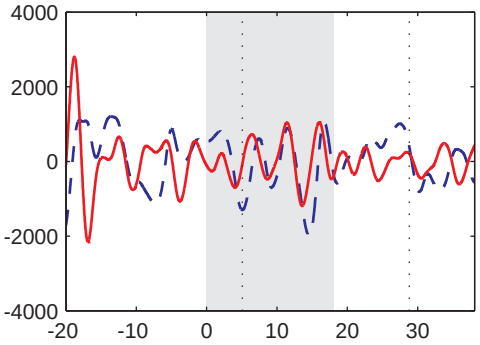
Rotation Correlation:	27<	32° <	40	1.4<1.6s<1.8
Minimum Energy:	27<	35° <	43	1.3<1.6s<1.9
Eigenvalue:	21<	31° <	43	1.3<1.6s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





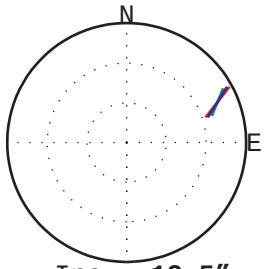




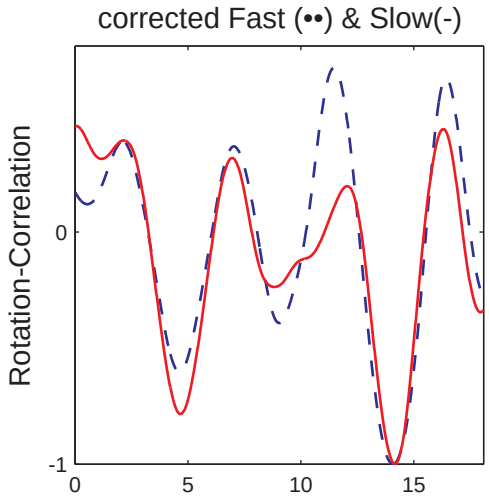
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **KDHN** Backazimuth: **66.0”** Distance: **100.98”**
init.Pol.: **239.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.7**

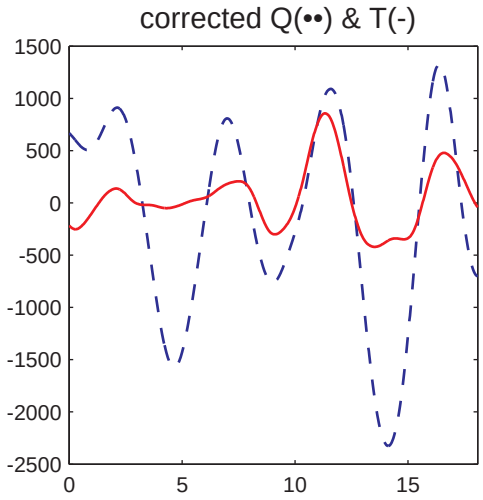
Rotation Correlation:	-15<	22° <	54	0.5<0.9s<1.6
Minimum Energy:	29<	38° <	48	0.9<1.2s<1.6
Eigenvalue:	3<	32° <	52	0.7<1.1s<1.6

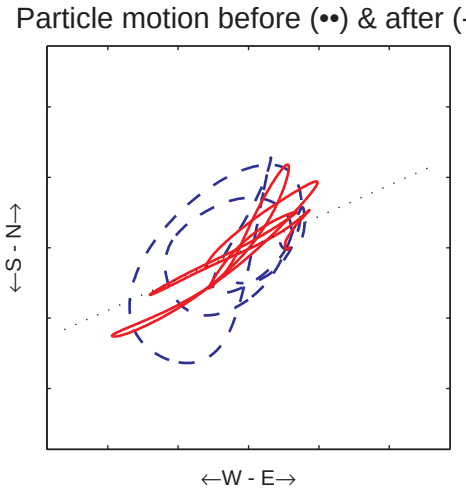
Quality: **fair** IsNull: **No** Phase: **SKKS**

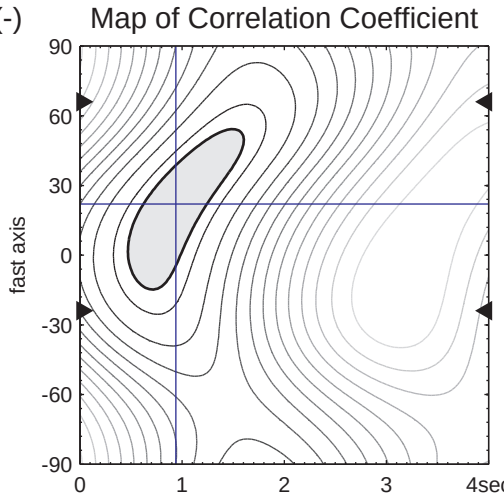


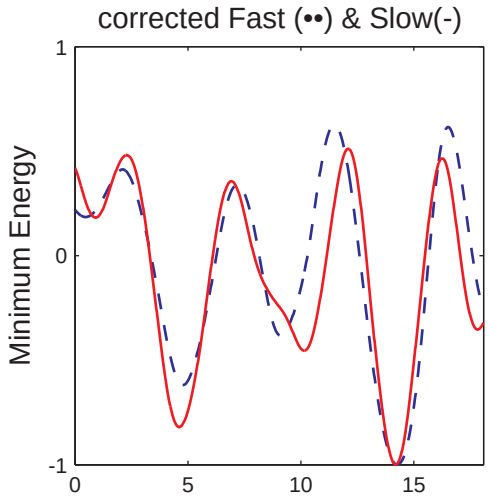
Inc = **12.5”**

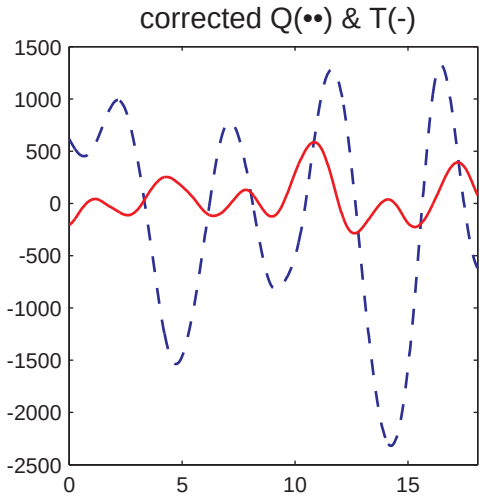


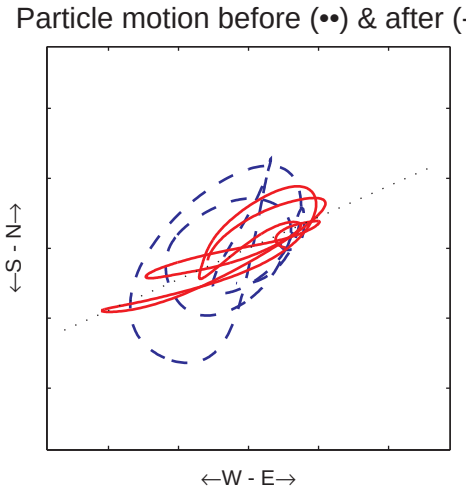


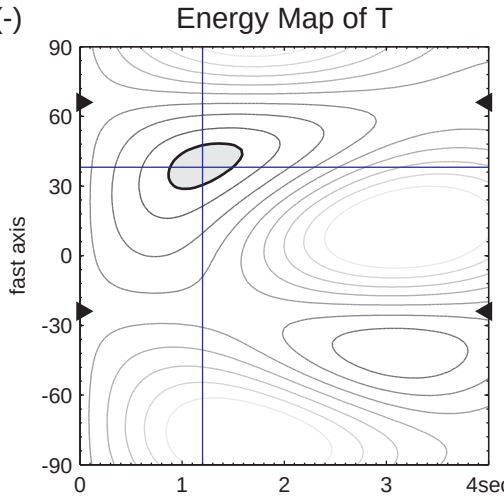


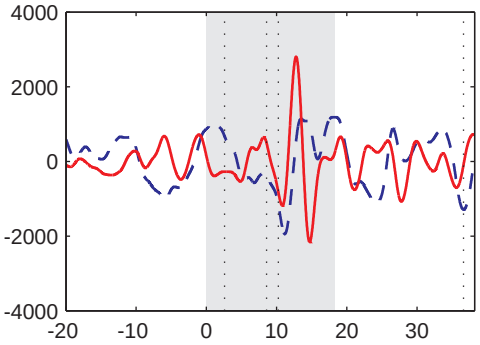








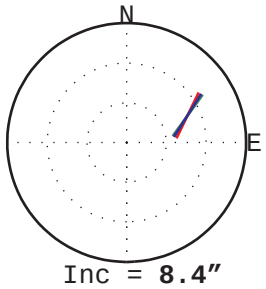


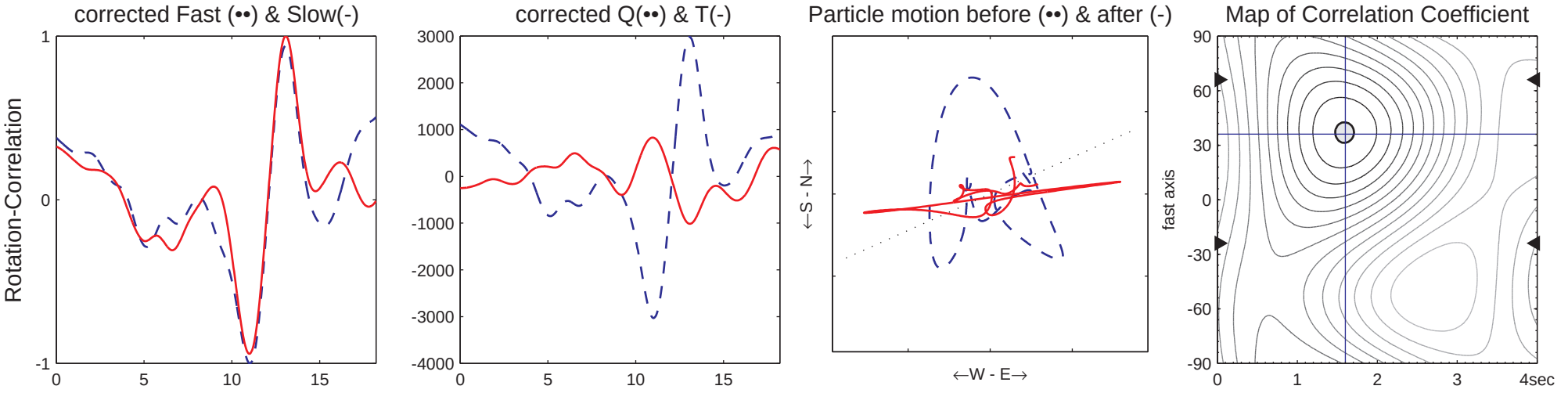


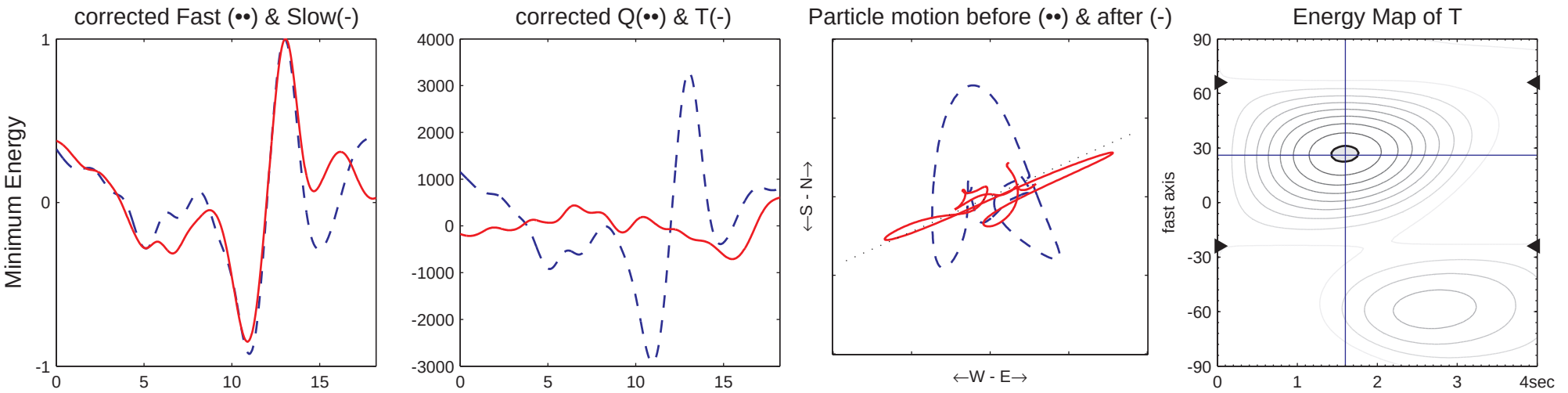
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **KDHN** Backazimuth: **66.0”** Distance: **100.98”**
init.Pol.: **256.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.6**

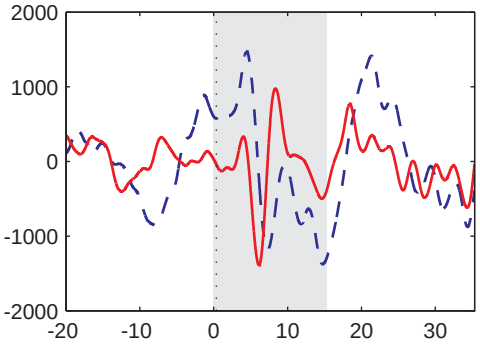
Rotation Correlation:	32<	36° <	43	1.5<1.6s<1.7
Minimum Energy:	23<	26° <	31	1.4<1.6s<1.8
Eigenvalue:	25<	32° <	39	1.4<1.6s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





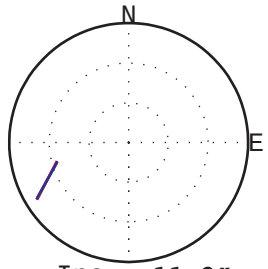


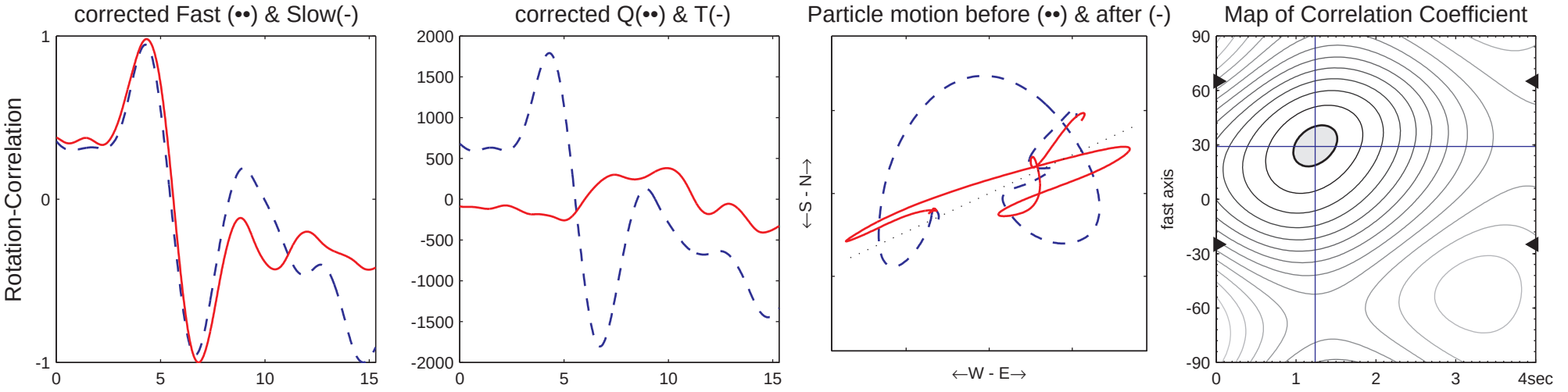


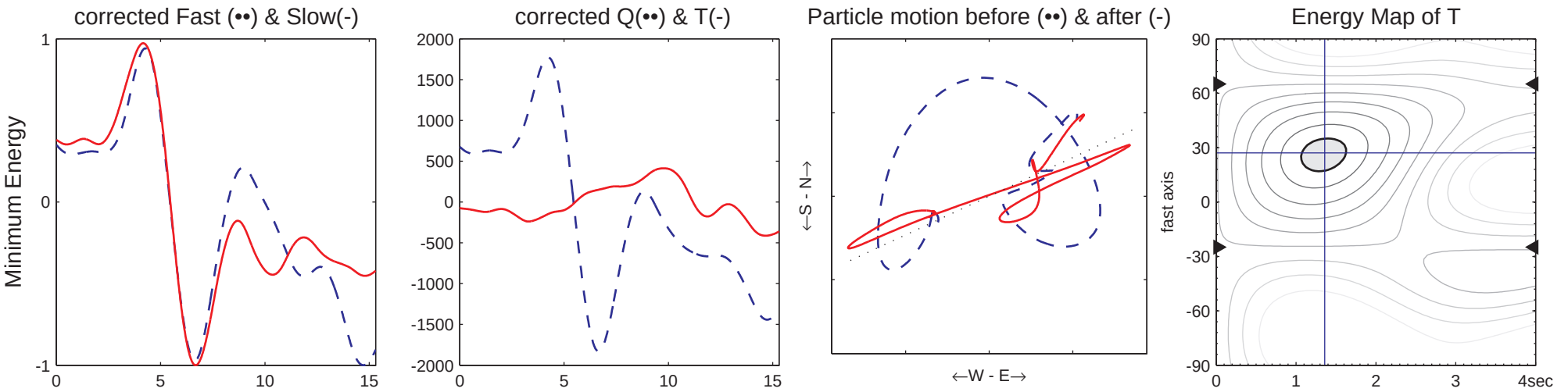
Event: **14-Jul-2010 (195) 08:32 -38.07N -73.31E 22km Mw=6.6**
Station: **KDHN** Backazimuth: **245.1”** Distance: **123.22”**
init.Pol.: **68.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

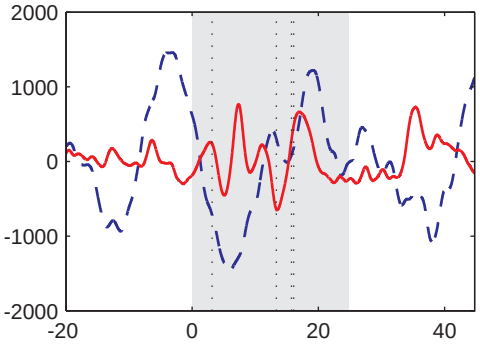
Rotation Correlation:	19<	29° <	41	1.0<1.2s<1.5
Minimum Energy:	17<	27° <	35	1.1<1.4s<1.6
Eigenvalue:	17<	29° <	39	1.1<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKKS**





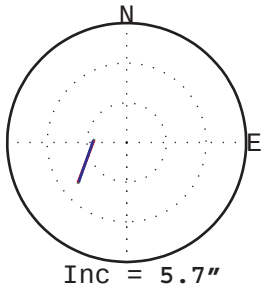


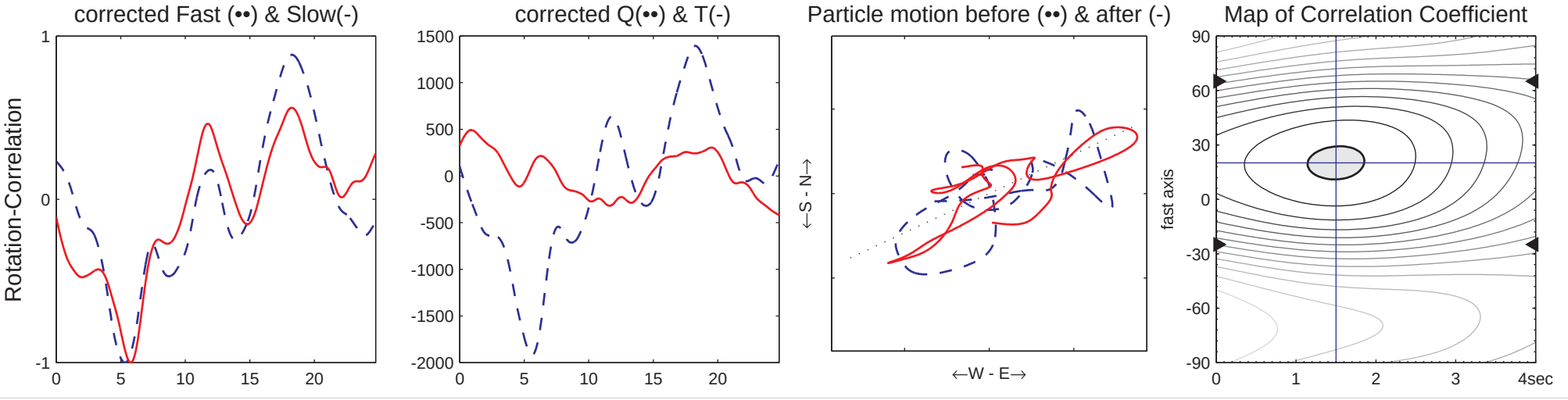


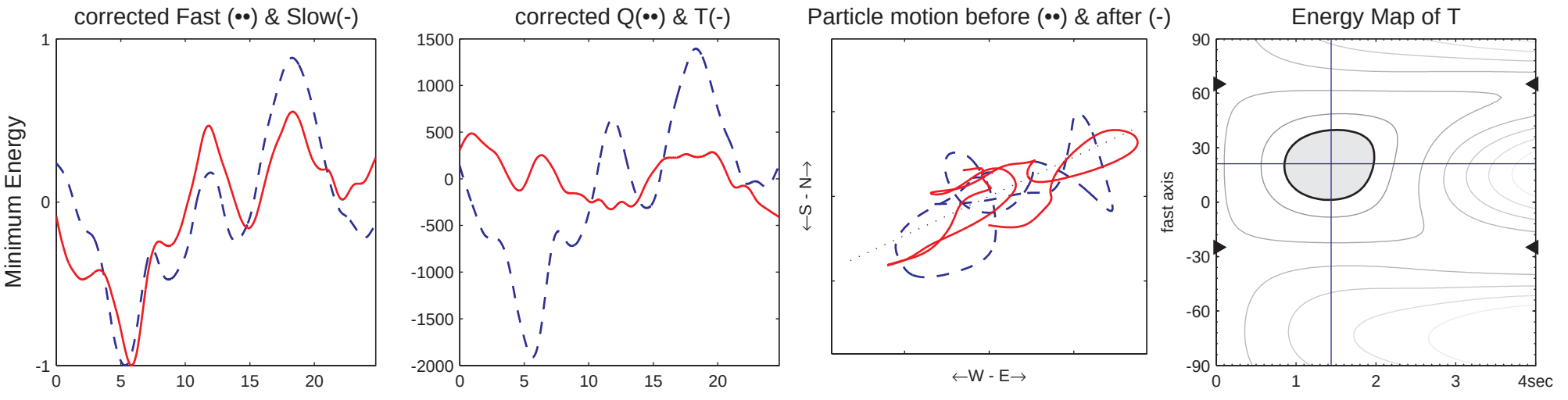
Event: **14-Jul-2010 (195) 08:32 -38.07N -73.31E 22km Mw=6.6**
Station: **KDHN** Backazimuth: **245.1°** Distance: **123.22°**
init.Pol.: **63.4°** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

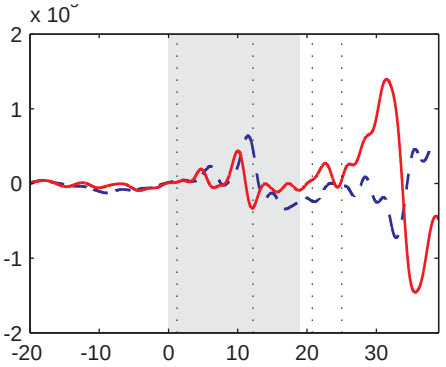
Rotation Correlation:	11<	20° <	30	1.2<1.5s<1.8
Minimum Energy:	1<	21° <	39	0.8<1.4s<2.0
Eigenvalue:	-3<	19° <	39	0.8<1.4s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





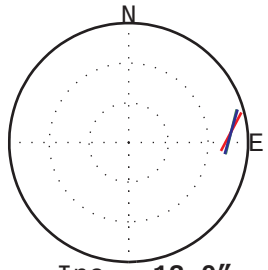




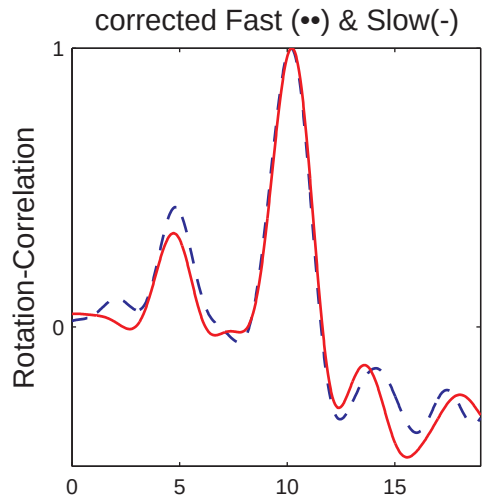
Event: **23-Jul-2010 (204) 22:51 6.50N 123.48E 578km Mw=7.6**
Station: **KDHN** Backazimuth: **84.1”** Distance: **87.02”**
init.Pol.: **249.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

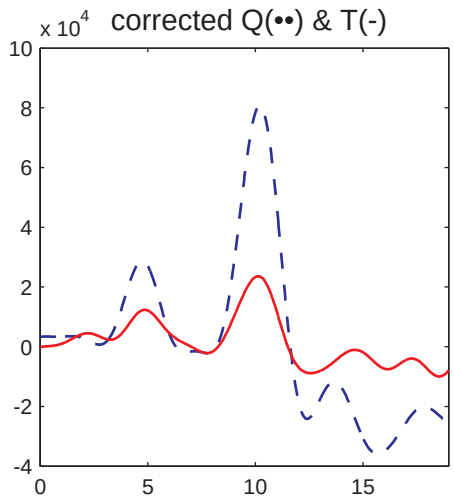
Rotation Correlation:	10<	14° <	21	1.3<1.4s<1.6
Minimum Energy:	23<	28° <	37	1.2<1.4s<1.6
Eigenvalue:	13<	16° <	21	1.4<1.4s<1.5

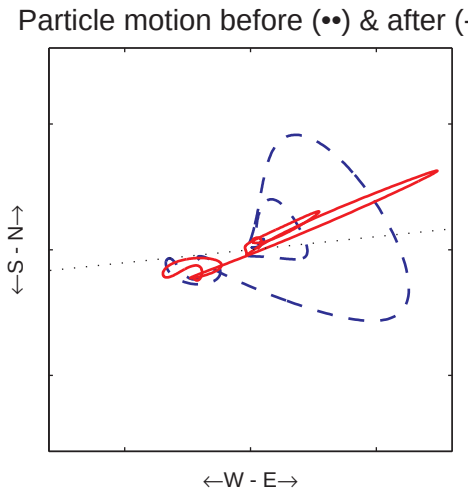
Quality: **fair** IsNull: **No** Phase: **SKKS**

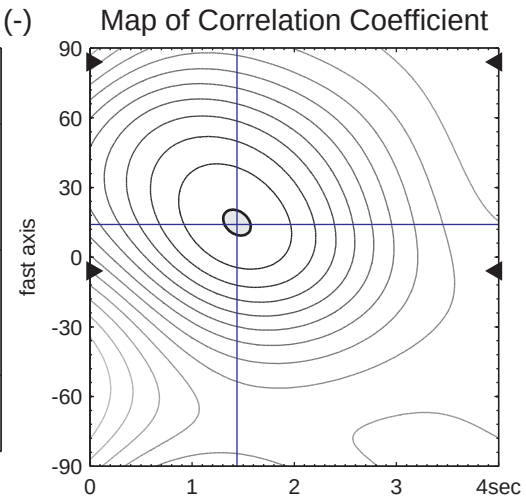


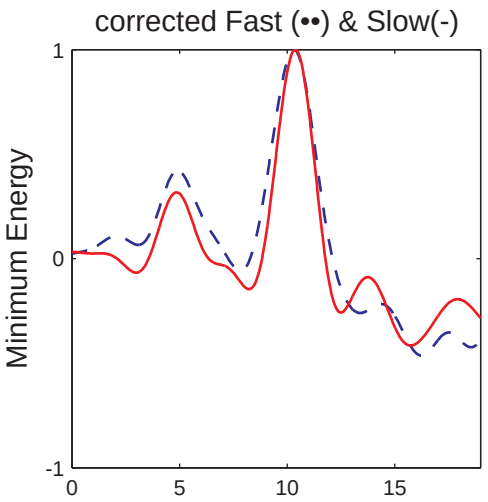
Inc = **13.0”**

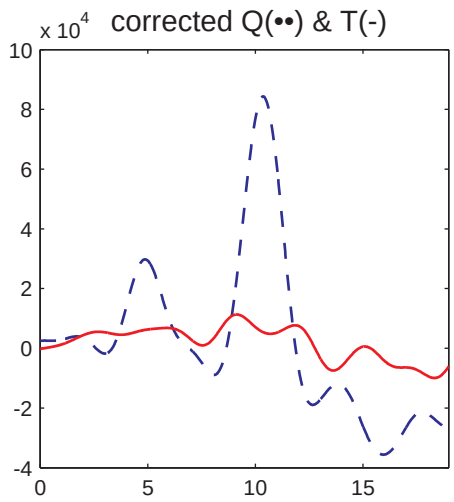


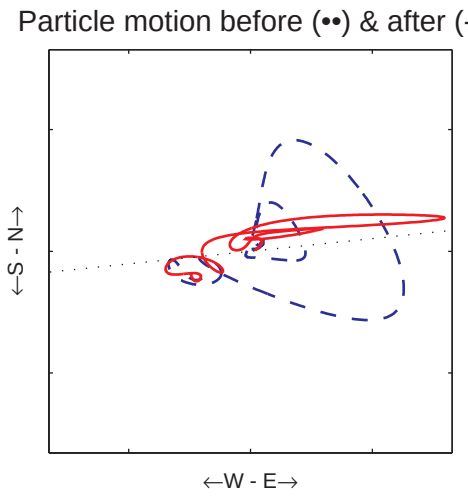


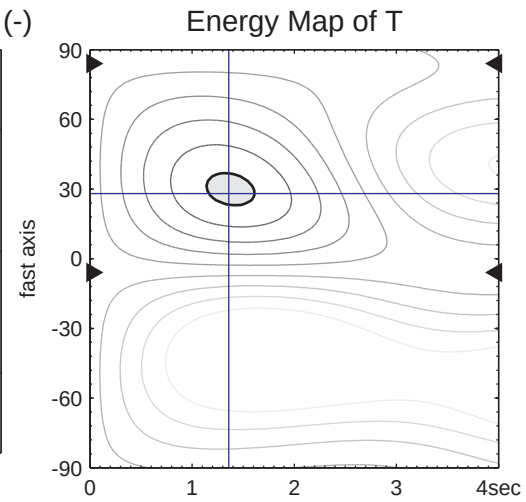


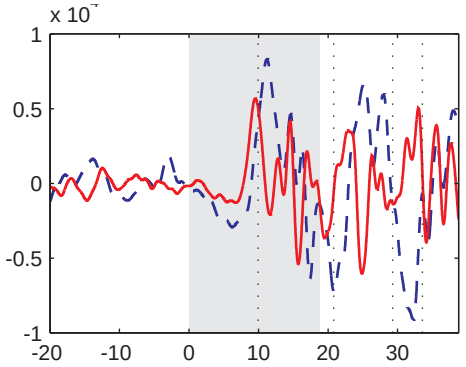








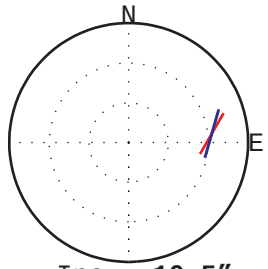


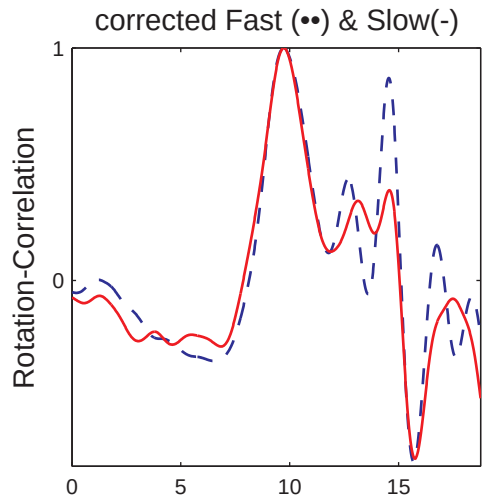


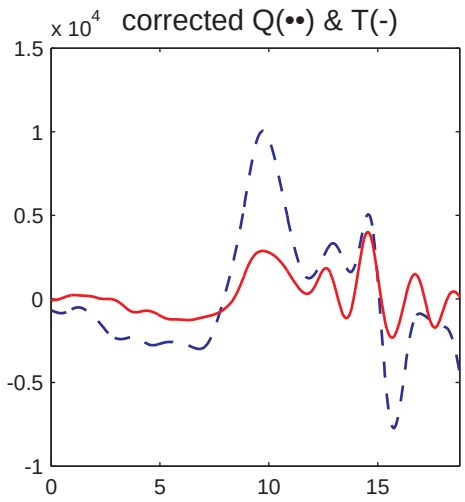
Event: **23-Jul-2010 (204) 22:08 6.72N 123.41E 607km Mw=7.3**
Station: **KDHN** Backazimuth: **83.9”** Distance: **86.83”**
init.Pol.: **246.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

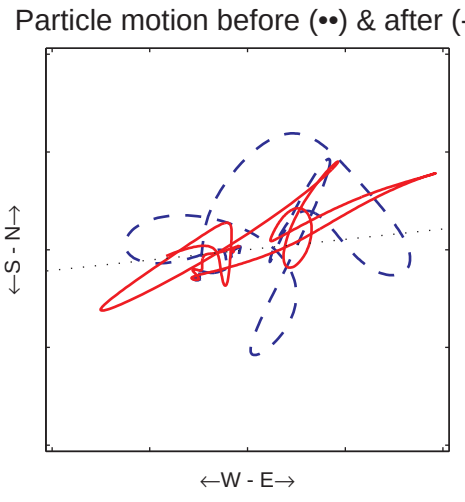
Rotation Correlation:	12<	16° <	22	1.5<1.6s<1.7
Minimum Energy:	21<	30° <	39	1.3<1.5s<1.7
Eigenvalue:	9<	16° <	21	1.4<1.6s<1.7

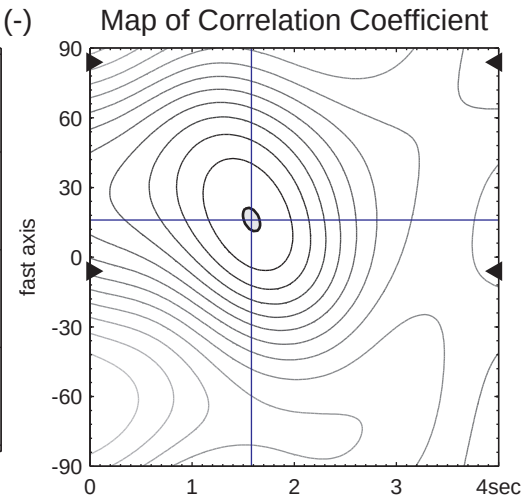
Quality: **fair** IsNull: **No** Phase: **SKS**

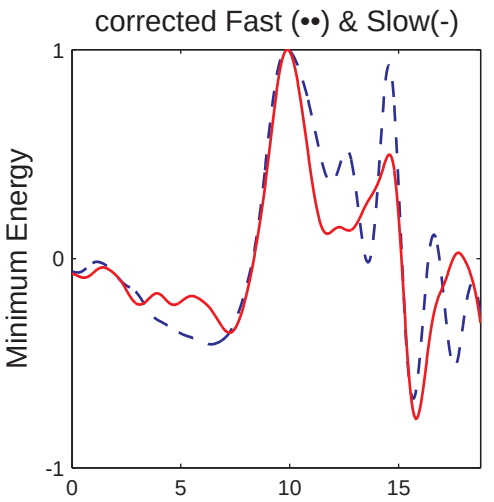


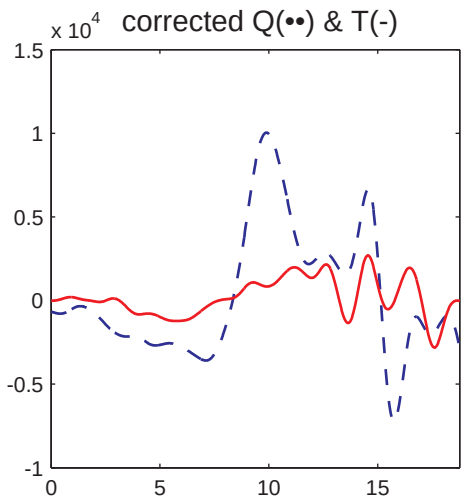


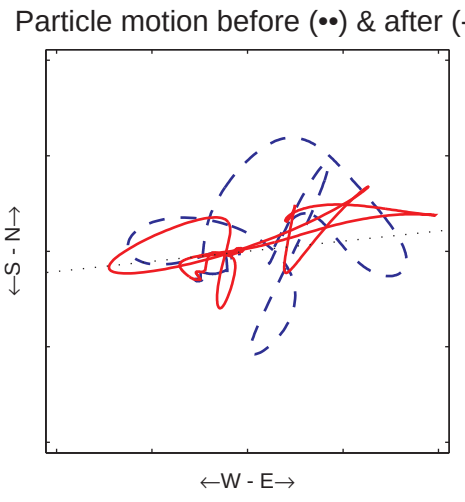


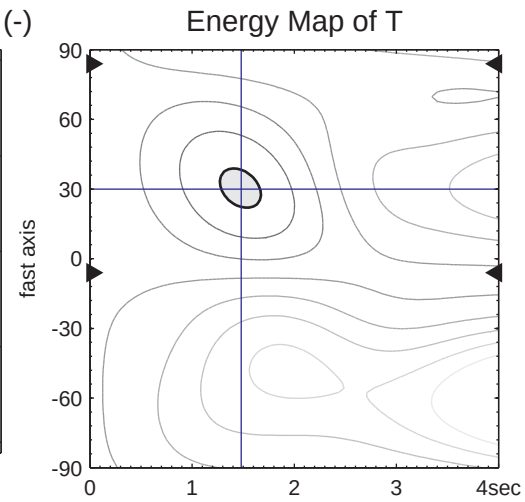


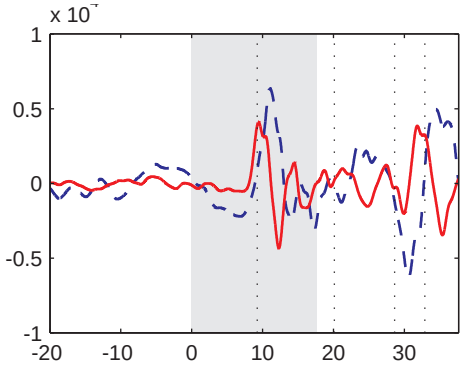








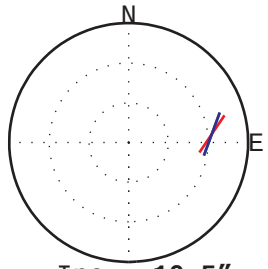




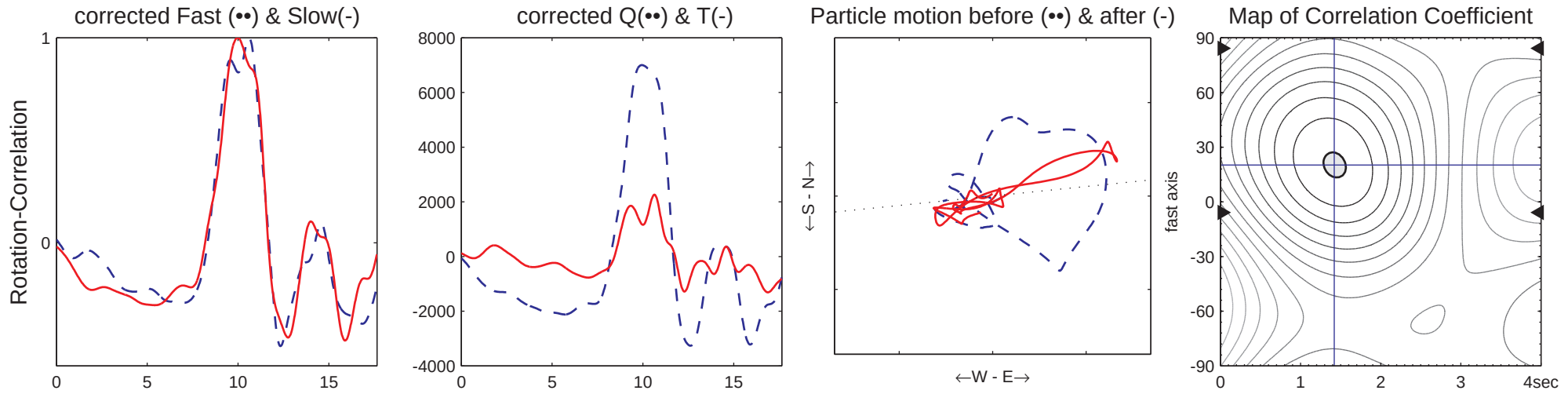
Event: **29-Jul-2010 (210) 07:31 6.55N 123.22E 618km Mw=6.6**
Station: **KDHN** Backazimuth: **84.2”** Distance: **86.79”**
init.Pol.: **249.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.7**

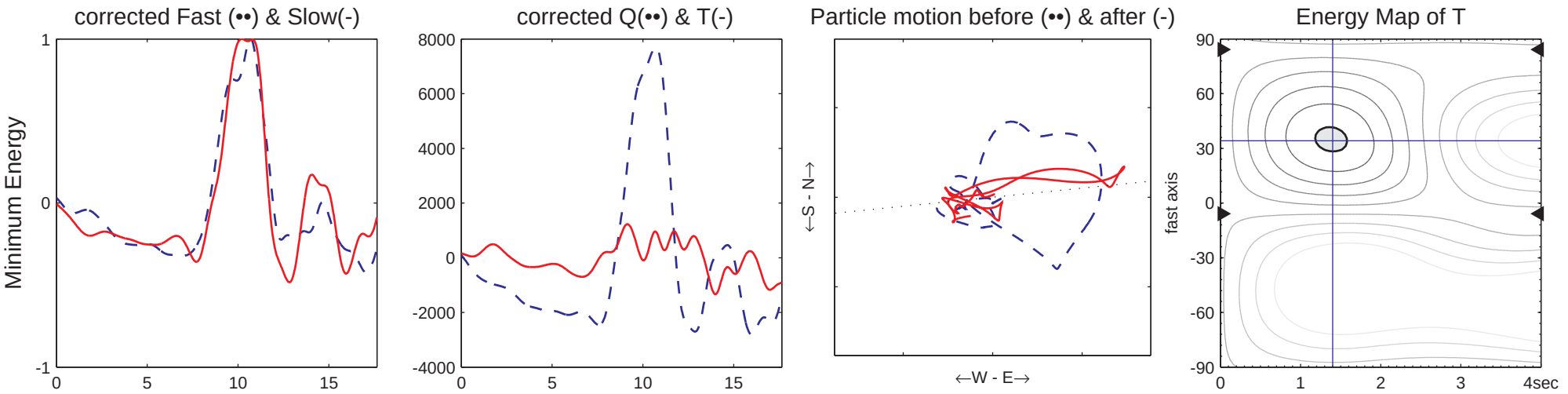
Rotation Correlation:	14<	20° <	27	1.3<1.4s<1.6
Minimum Energy:	29<	34° <	41	1.2<1.4s<1.6
Eigenvalue:	15<	20° <	27	1.3<1.4s<1.6

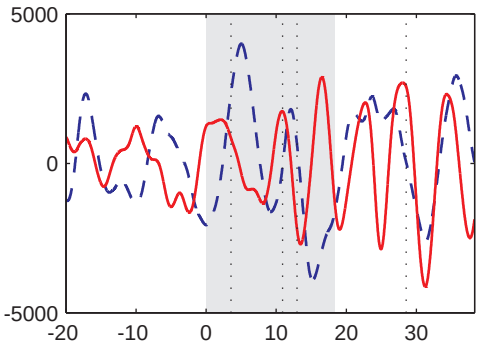
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.5”**



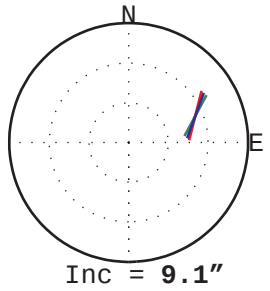


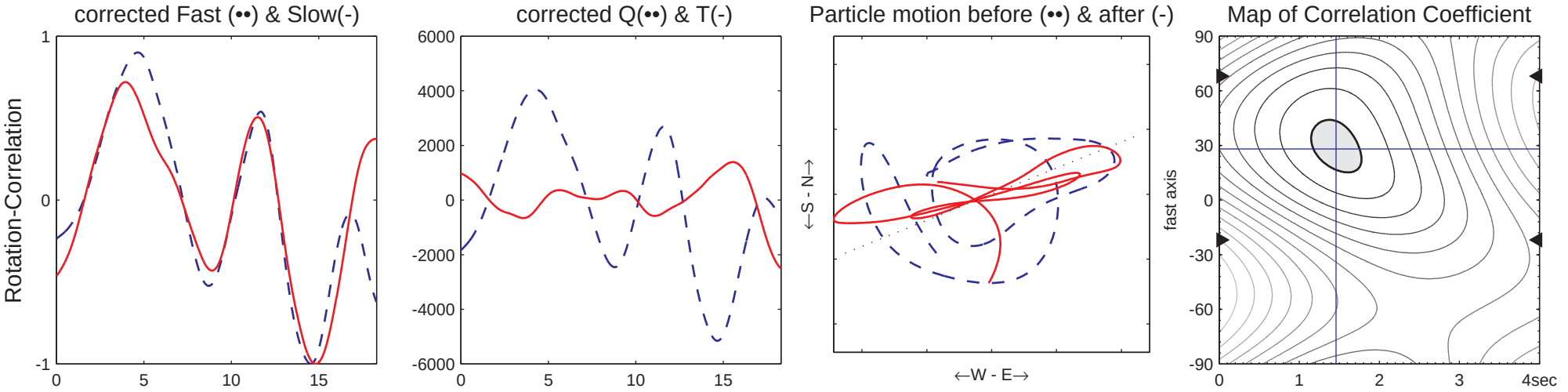


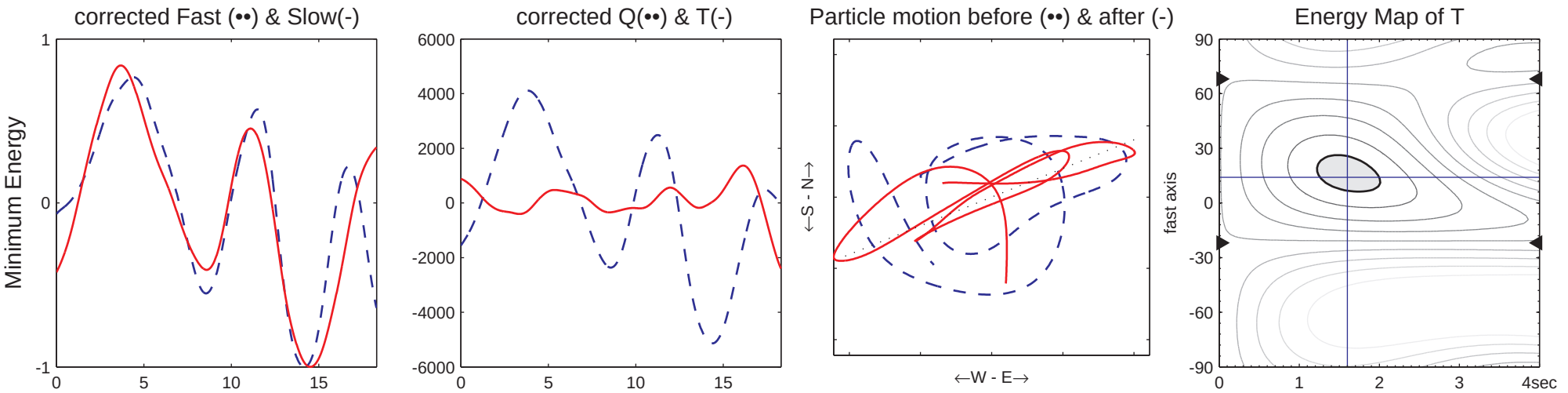
Event: **13-Aug-2010 (225) 21:19 12.49N 141.47E 16km Mw=6.9**
Station: **KDHN** Backazimuth: **68.1”** Distance: **96.81”**
init.Pol.: **253.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

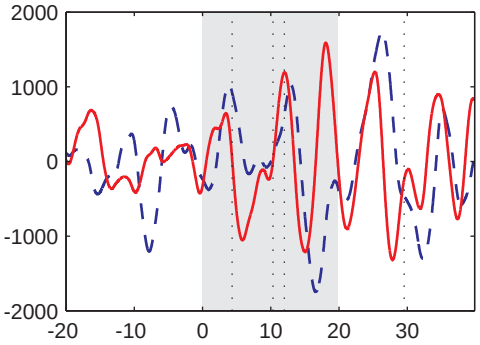
Rotation Correlation:	16<	28° <	44	1.2<1.5s<1.8
Minimum Energy:	7<	14° <	25	1.2<1.6s<2.0
Eigenvalue:	7<	20° <	35	1.2<1.5s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





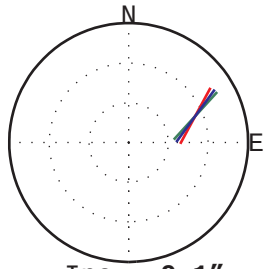


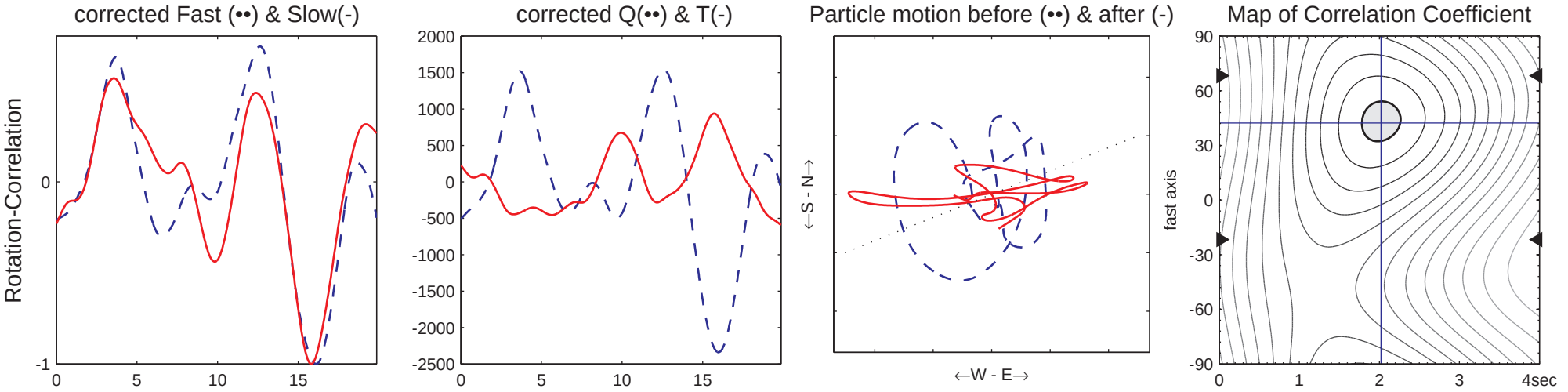


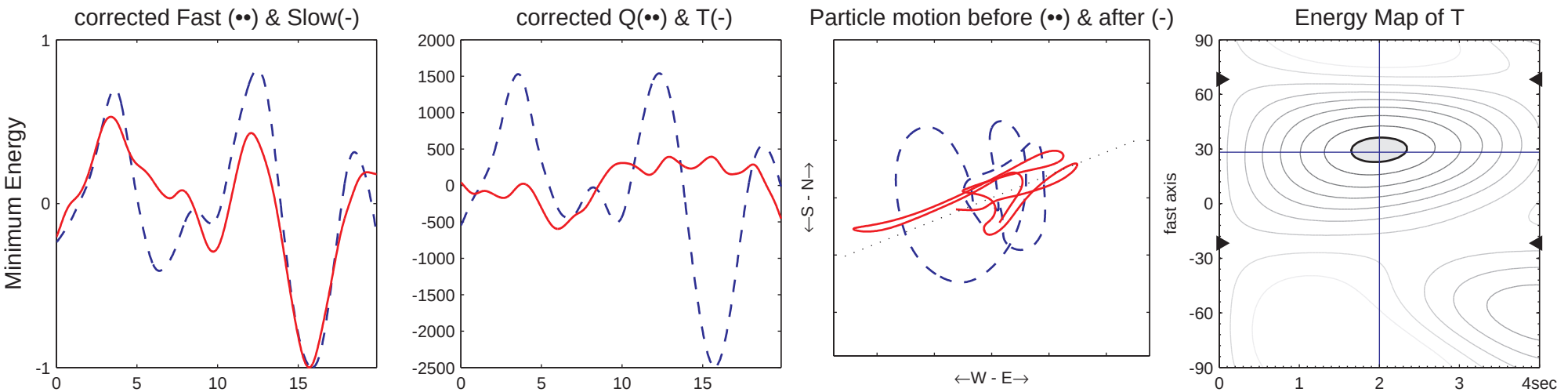
Event: **14-Aug-2010 (226) 23:01 12.27N 141.43E 13km Mw=6.6**
Station: **KDHN** Backazimuth: **68.3”** Distance: **96.92”**
init.Pol.: **259.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.5**

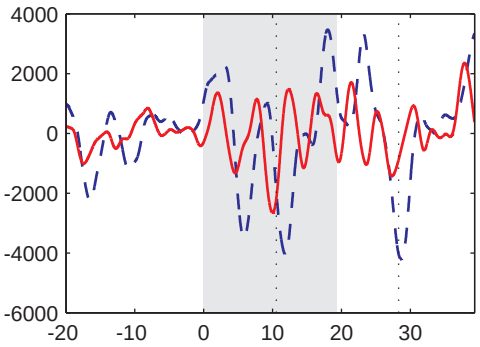
Rotation Correlation:	33<	42° <	54	1.8<2.0s<2.3
Minimum Energy:	23<	28° <	35	1.6<2.0s<2.4
Eigenvalue:	25<	36° <	52	1.7<2.0s<2.4

Quality: **fair** IsNull: **No** Phase: **SKS**





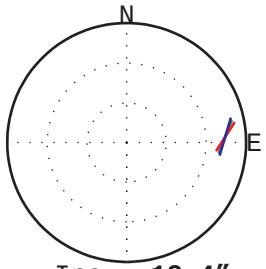




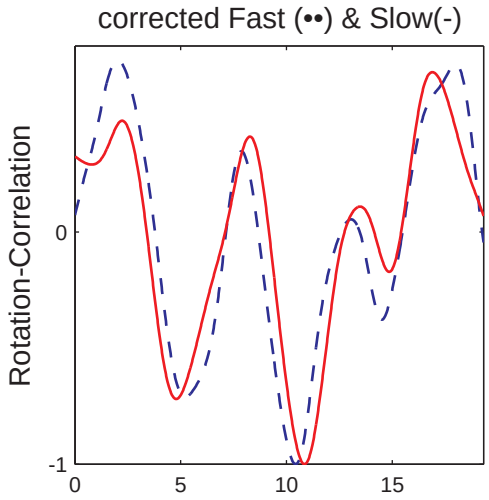
Event: **29-Sep-2010 (272) 17:10 -4.91N 133.71E 10km Mw=6.2**
Station: **KDHN** Backazimuth: **86.6”** Distance: **102.12”**
init.Pol.: **253.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.3**

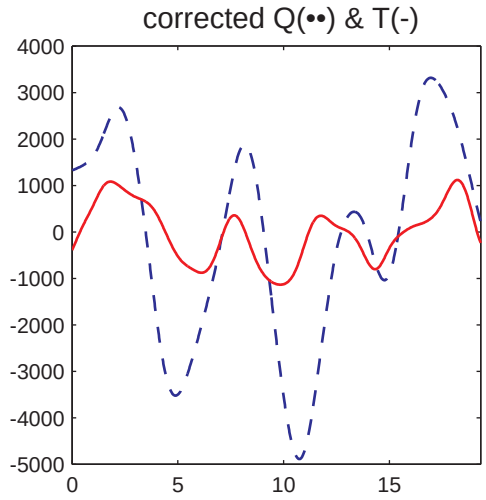
Rotation Correlation:	6<	22° <	45	0.7<1.1s<1.6
Minimum Energy:	15<	33° <	56	0.6<1.1s<1.6
Eigenvalue:	1<	17° <	39	0.8<1.2s<1.7

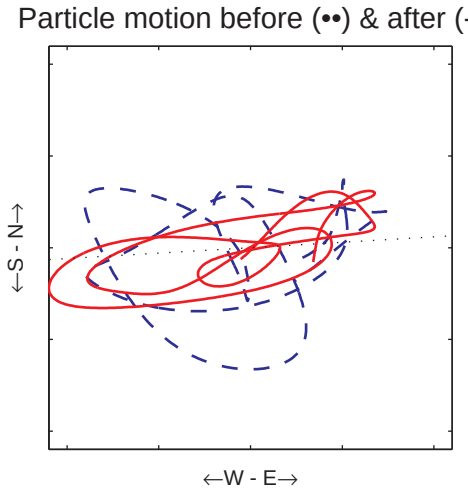
Quality: **fair** IsNull: **No** Phase: **SKKS**

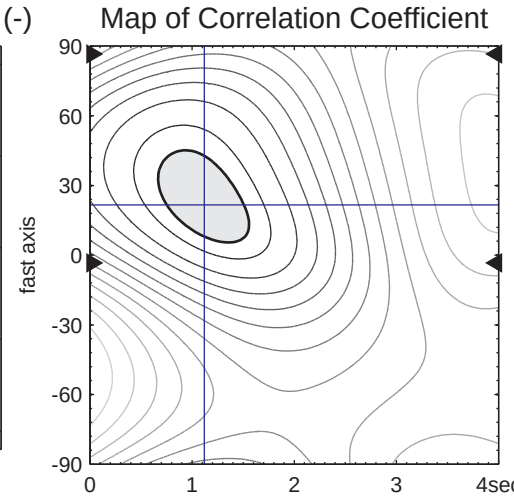


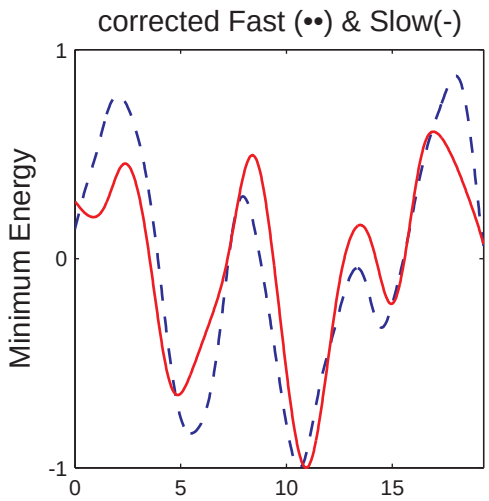
Inc = **12.4”**

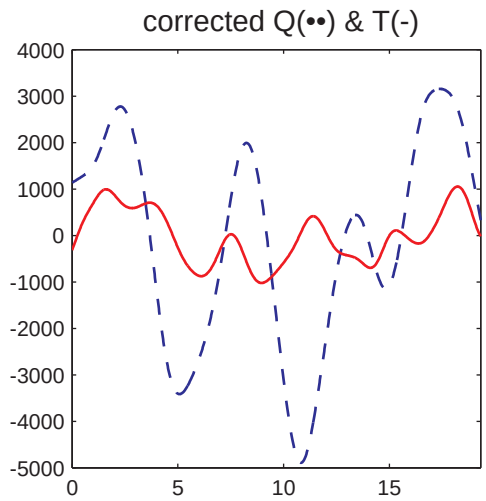


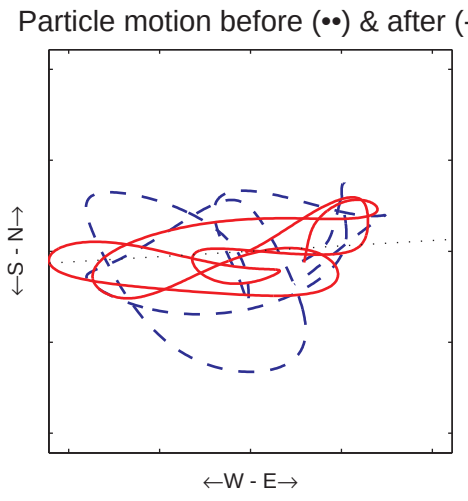


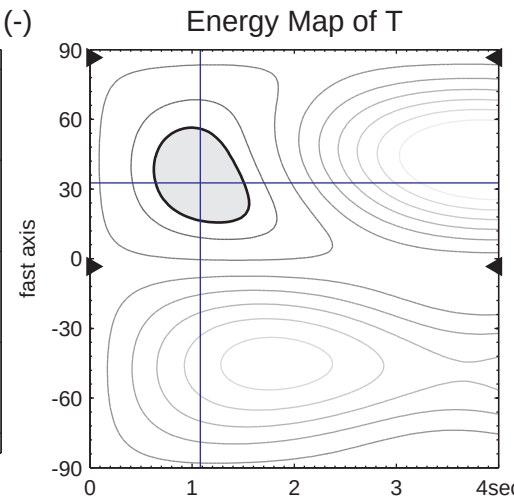


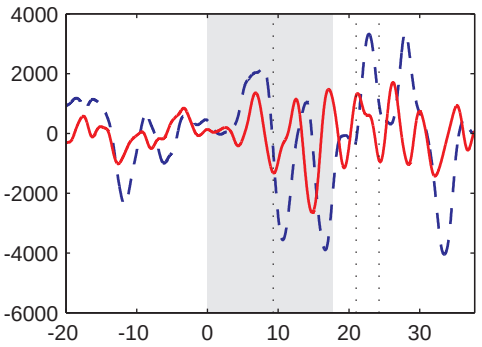








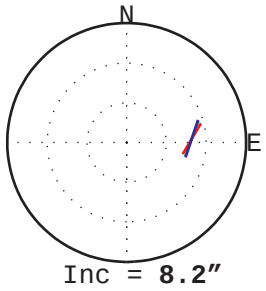


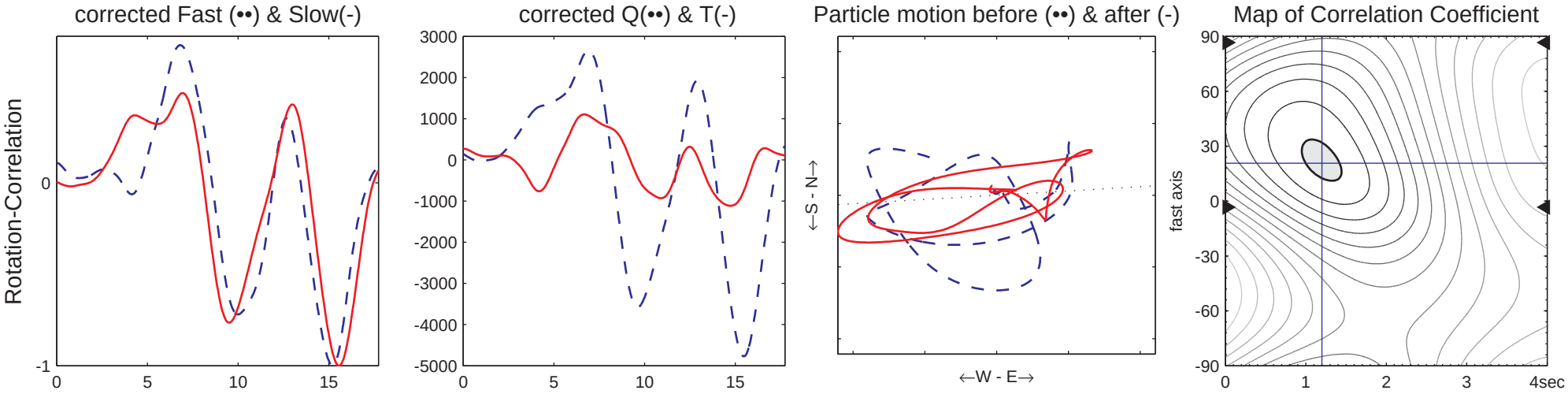


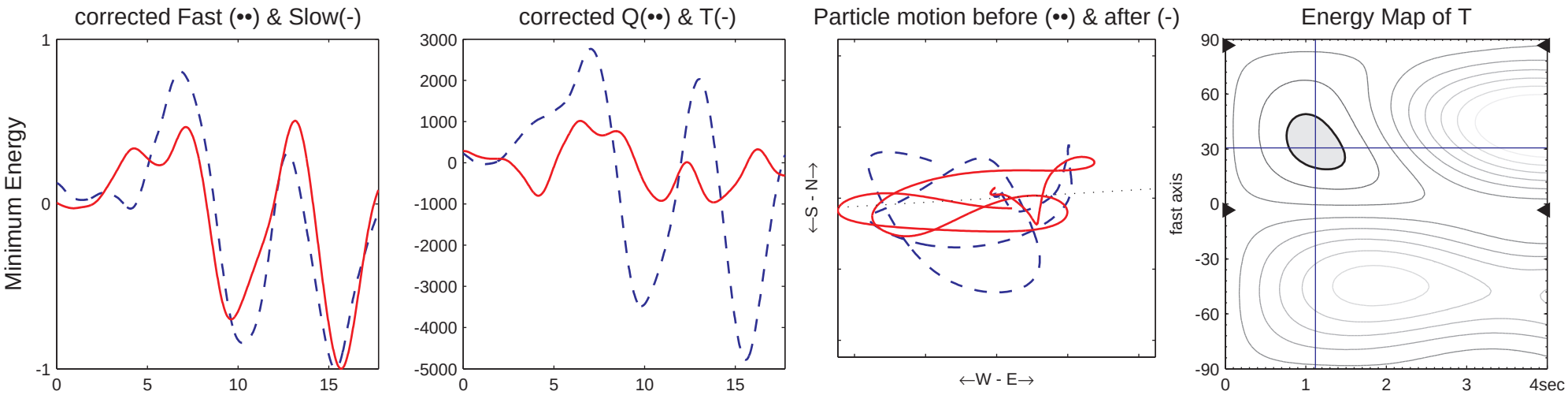
Event: **29-Sep-2010 (272) 17:11 -4.96N 133.76E 26km Mw=7.0**
Station: **KDHN** Backazimuth: **86.6”** Distance: **102.19”**
init.Pol.: **255.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.3**

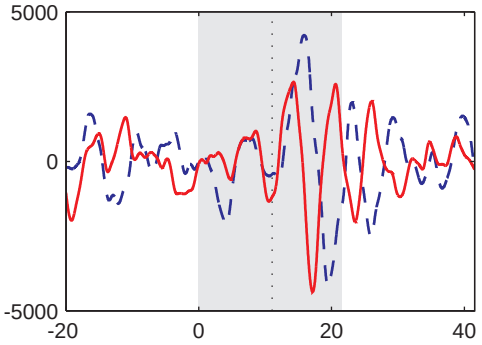
Rotation Correlation:	11<	21° <	34	1.0<1.2s<1.4
Minimum Energy:	19<	31° <	50	0.8<1.1s<1.5
Eigenvalue:	5<	19° <	37	0.9<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





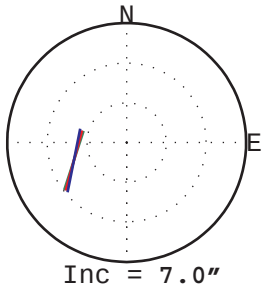


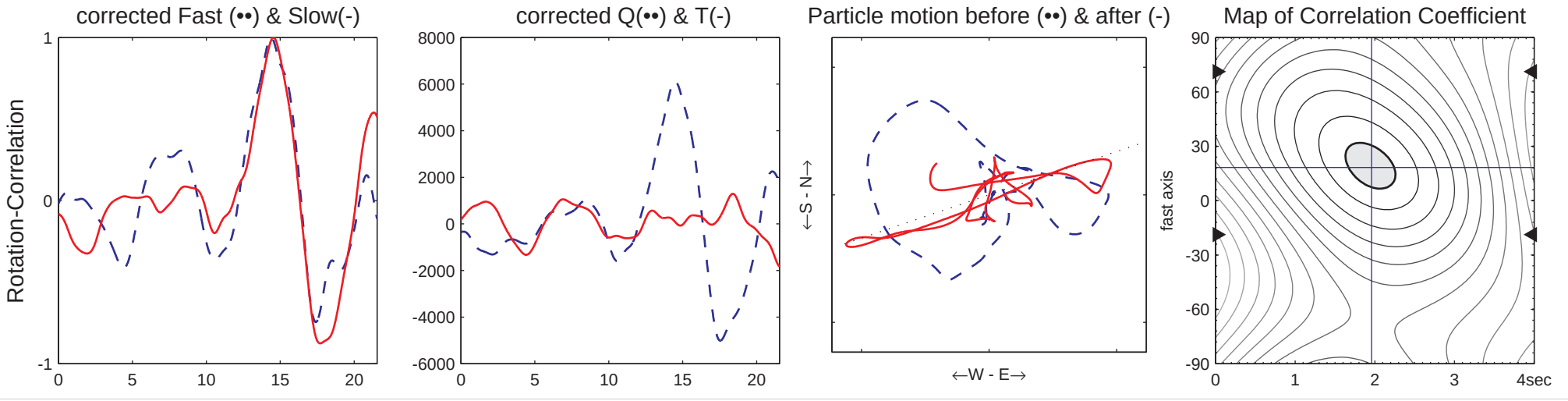


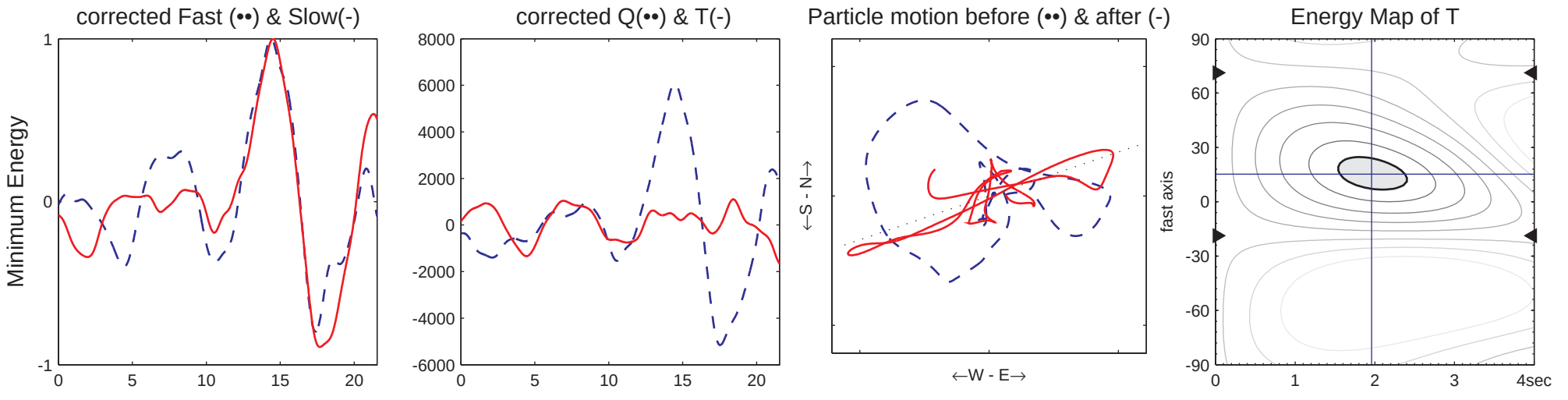
Event: **01-Jan-2011 (001) 09:56 -26.80N -63.14E 576km Mw=7.0**
Station: **KDHN** Backazimuth: **251.2”** Distance: **110.17”**
init.Pol.: **66.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

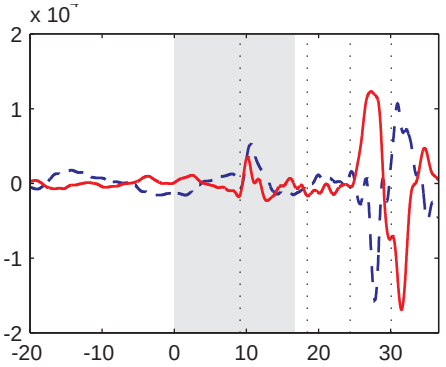
Rotation Correlation:	7<	18° <	32	1.6<2.0s<2.2
Minimum Energy:	7<	15° <	25	1.6<2.0s<2.4
Eigenvalue:	-5<	11° <	29	1.5<2.0s<2.5

Quality: **fair** IsNull: **No** Phase: **SKS**





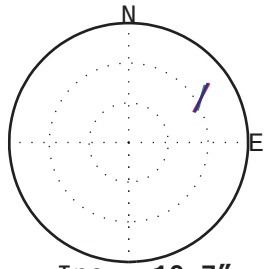




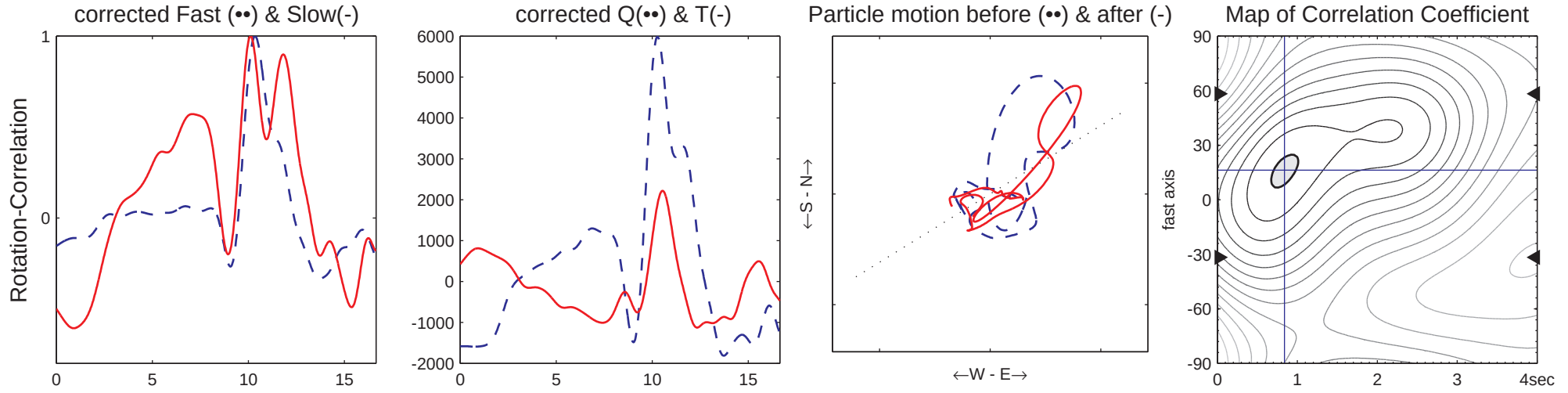
Event: **12-Jan-2011 (012) 21:32 26.97N 139.88E 512km Mw=6.4**
Station: **KDHN** Backazimuth: **58.3”** Distance: **86.00”**
init.Pol.: **234.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

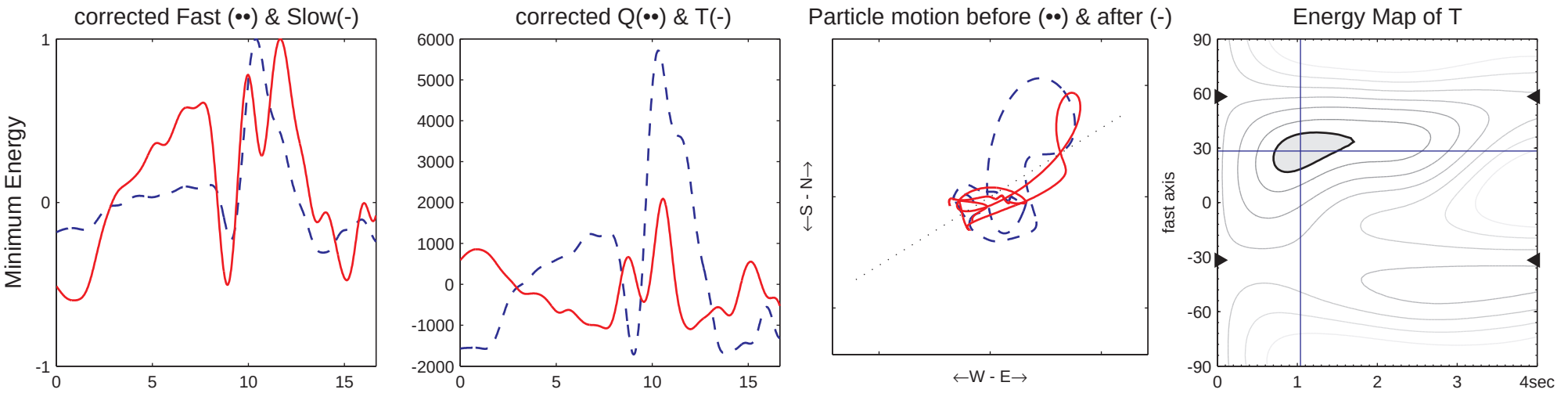
Rotation Correlation:	7<	16° <	25	0.7<0.8s<1.0
Minimum Energy:	17<	28° <	39	0.7<1.0s<1.7
Eigenvalue:	9<	24° <	39	0.6<1.0s<2.5

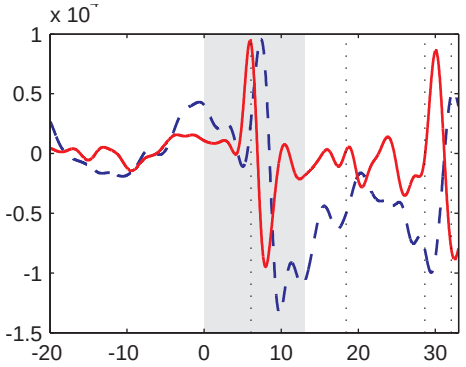
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



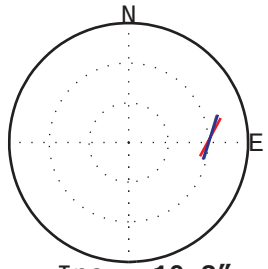




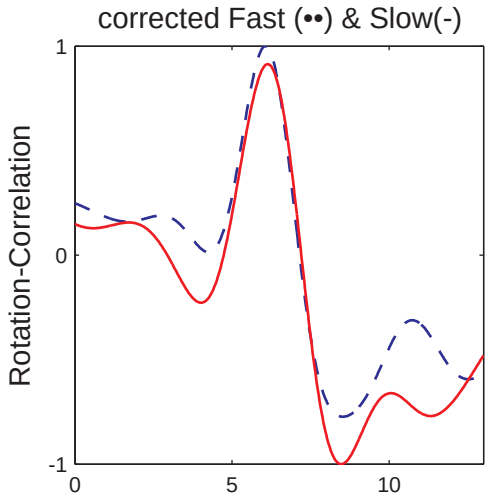
Event: **10-Feb-2011 (041) 14:41 4.08N 123.04E 525km Mw=6.6**
Station: **KDHN** Backazimuth: **86.2”** Distance: **88.18”**
init.Pol.: **252.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

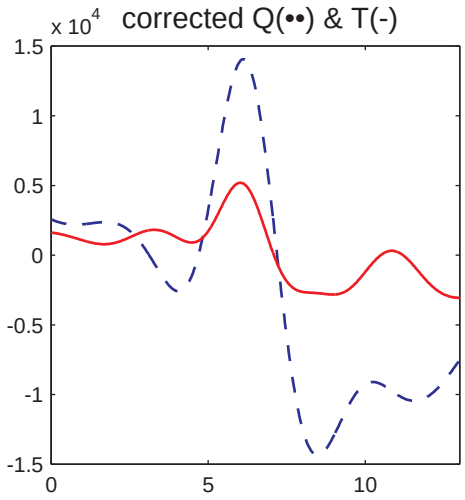
Rotation Correlation:	7<	16° <	28	1.1<1.4s<1.7
Minimum Energy:	21<	28° <	37	1.1<1.4s<1.6
Eigenvalue:	13<	18° <	23	1.3<1.5s<1.6

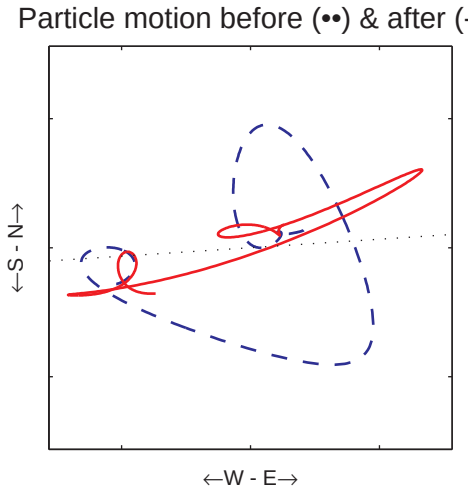
Quality: **fair** IsNull: **No** Phase: **SKS**

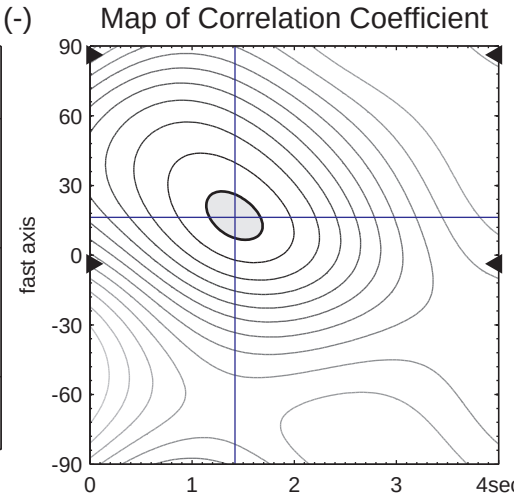


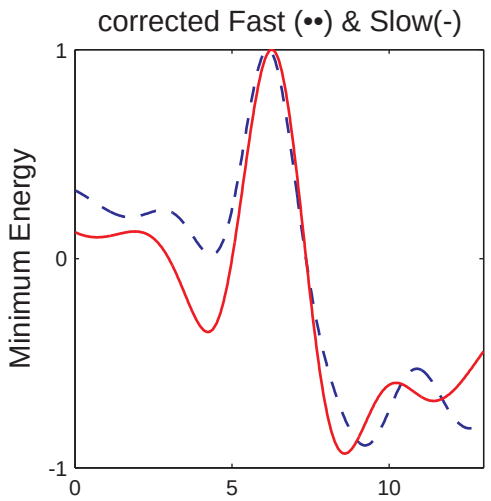
Inc = **10.3”**

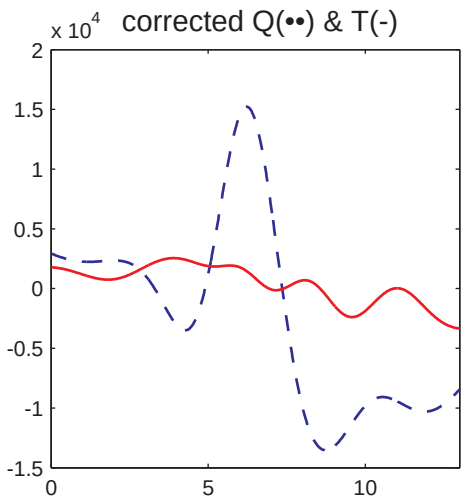


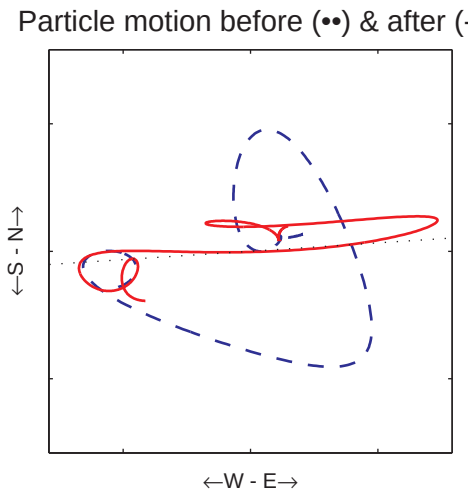


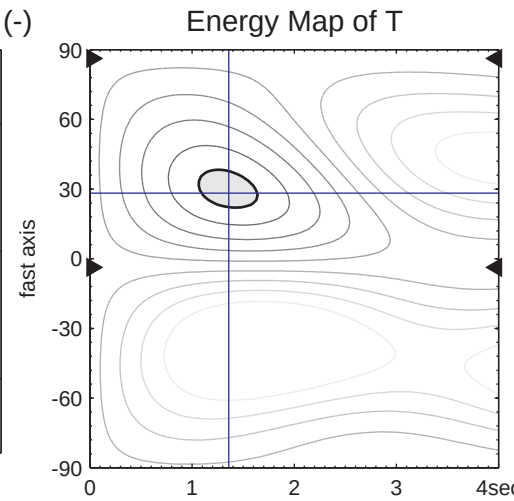


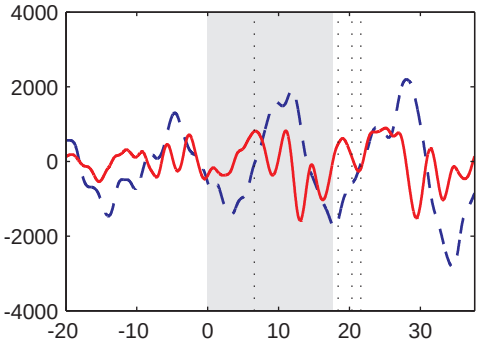








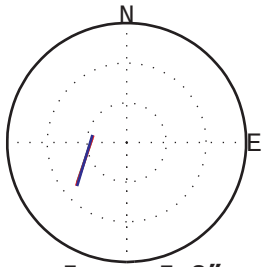


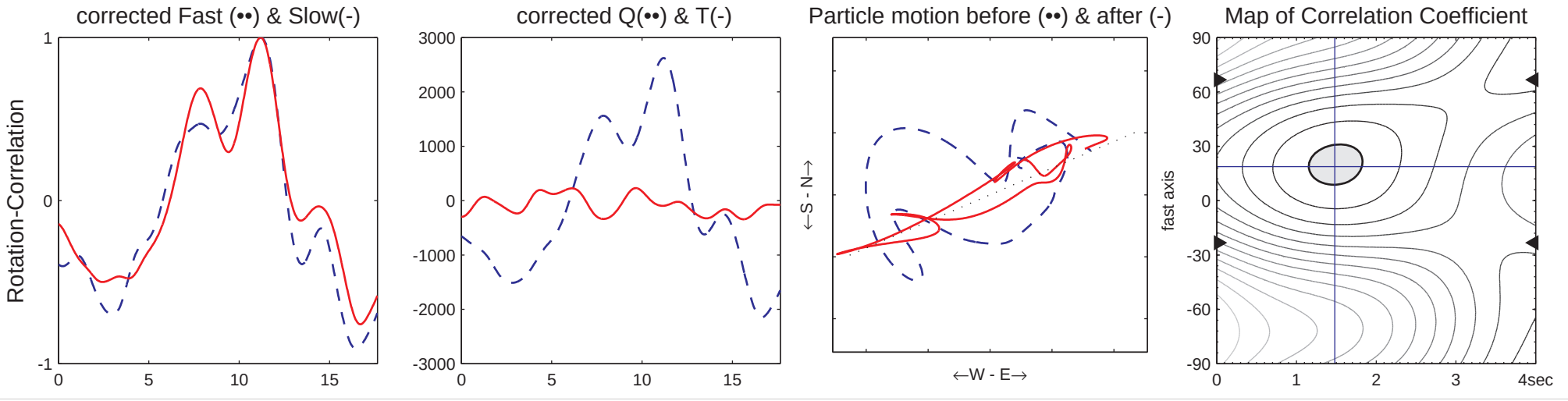


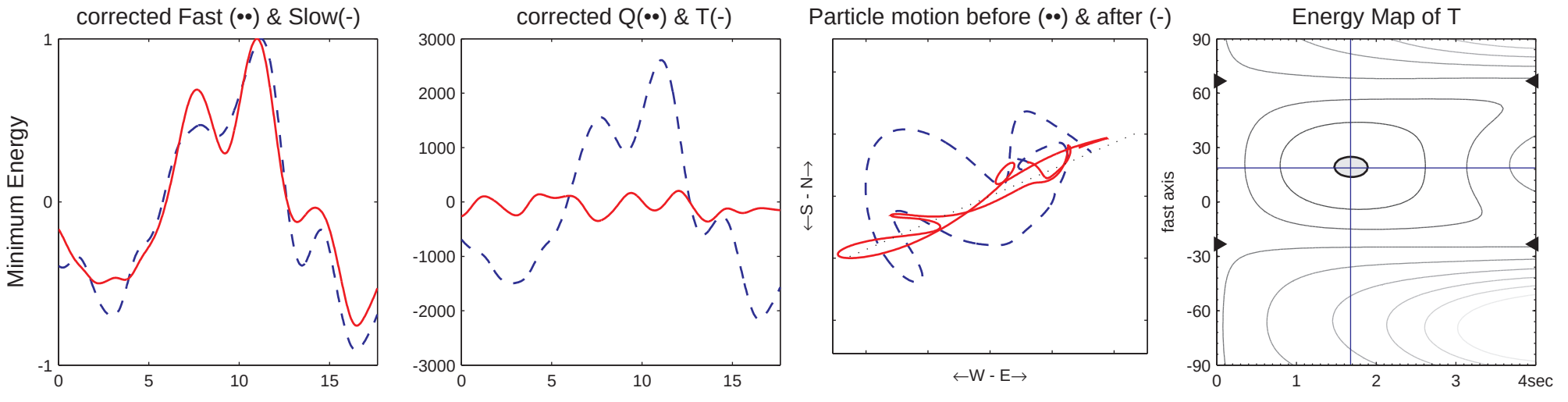
Event: **11-Feb-2011 (042) 20:05 -36.42N -72.96E 26km Mw=6.9**
Station: **KDHN** Backazimuth: **246.7”** Distance: **122.24”**
init.Pol.: **65.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.6**

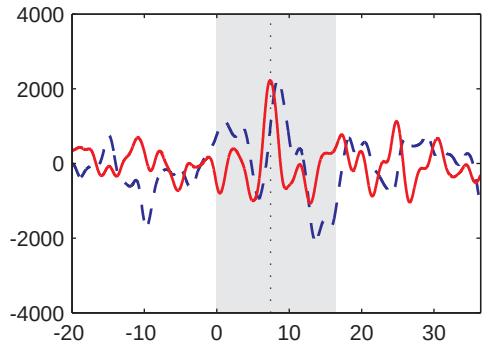
Rotation Correlation:	9<	19° <	31	1.2<1.5s<1.8
Minimum Energy:	13<	19° <	25	1.5<1.7s<1.9
Eigenvalue:	11<	17° <	23	1.5<1.7s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





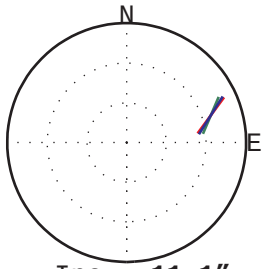




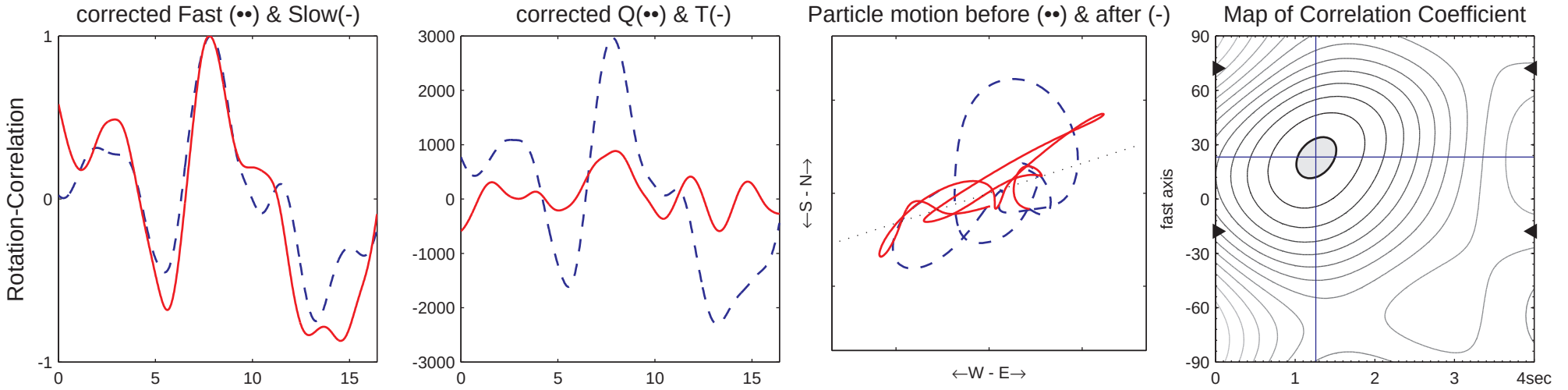
Event: **23-Apr-2011 (113) 04:16 -10.38N 161.20E 79km Mw=6.8**
Station: **KDHN** Backazimuth: **72.2”** Distance: **126.68”**
init.Pol.: **247.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

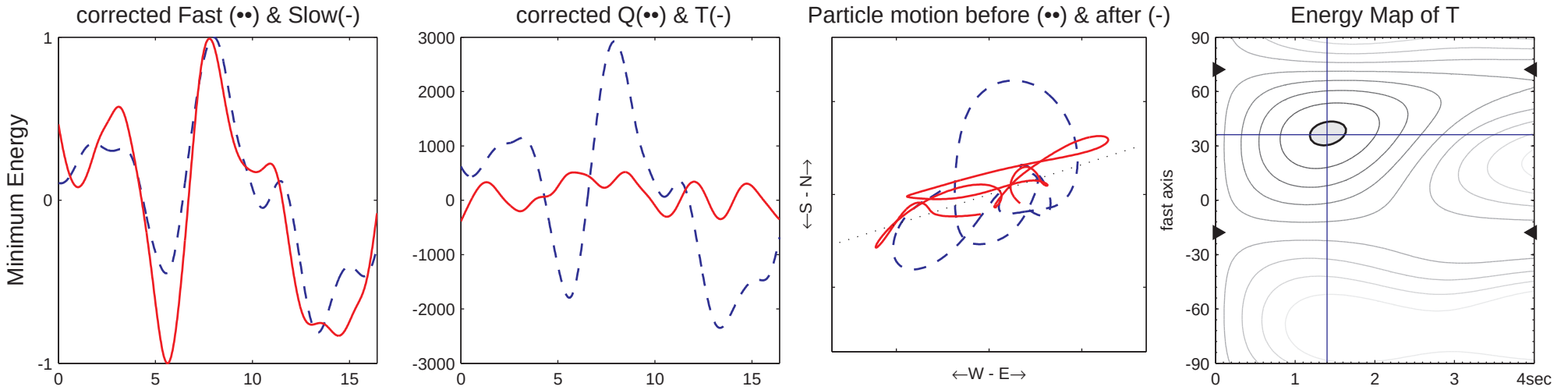
Rotation Correlation:	12<	23° <	34	1.0<1.3s<1.5
Minimum Energy:	29<	36° <	43	1.2<1.4s<1.6
Eigenvalue:	23<	32° <	41	1.2<1.4s<1.6

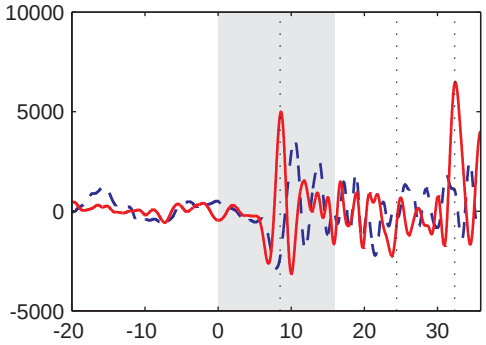
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.1”**



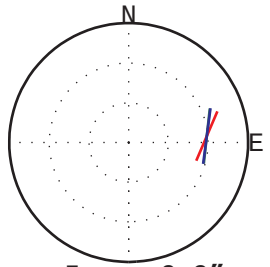


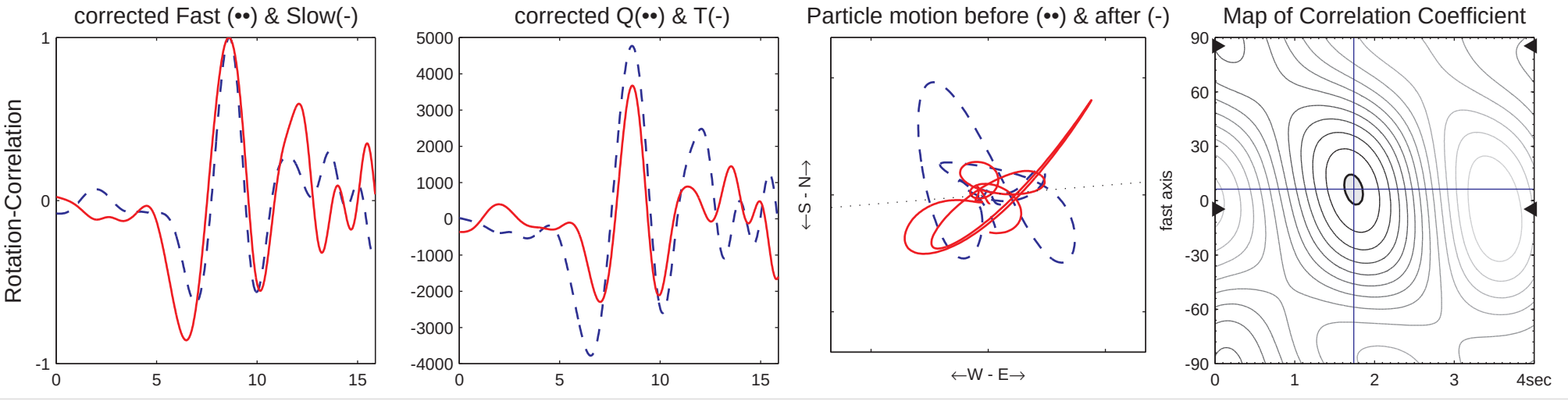


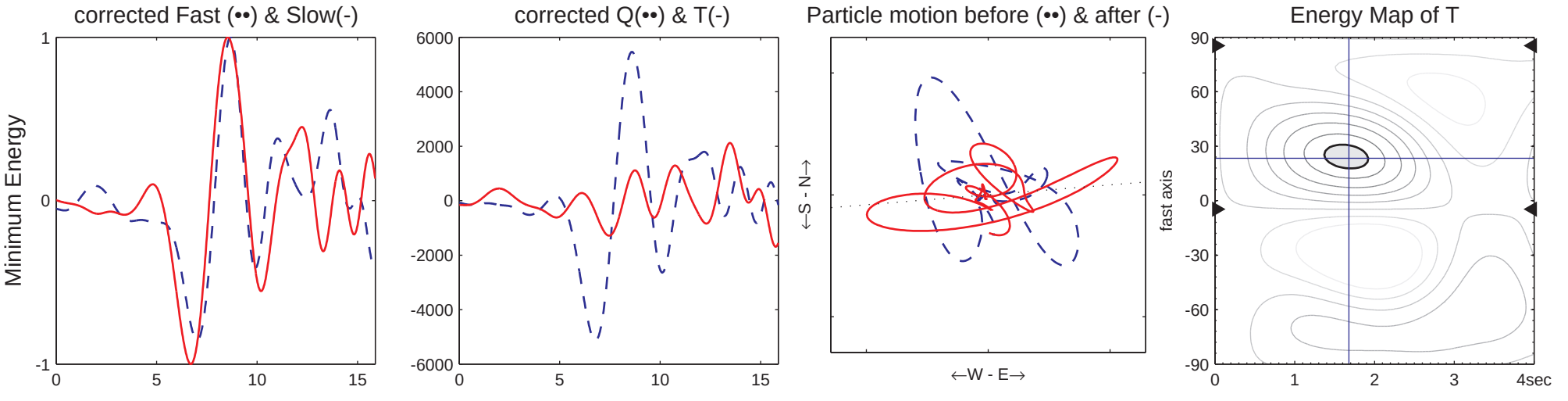
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **KDHN** Backazimuth: **85.3”** Distance: **91.82”**
init.Pol.: **237.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

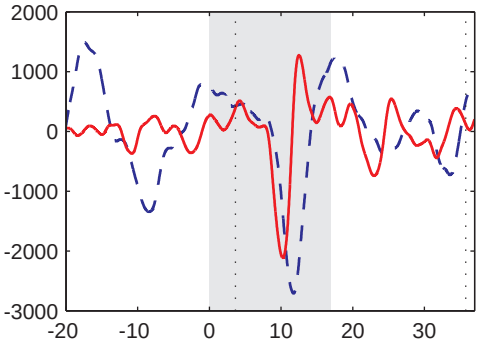
Rotation Correlation:	-3<	6° <	15	1.6<1.7s<1.8
Minimum Energy:	17<	23° <	31	1.4<1.7s<1.9
Eigenvalue:	-9<	7° <	23	1.6<1.8s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





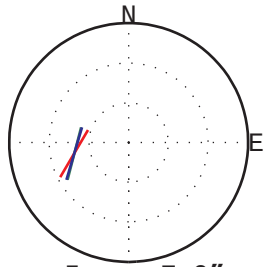


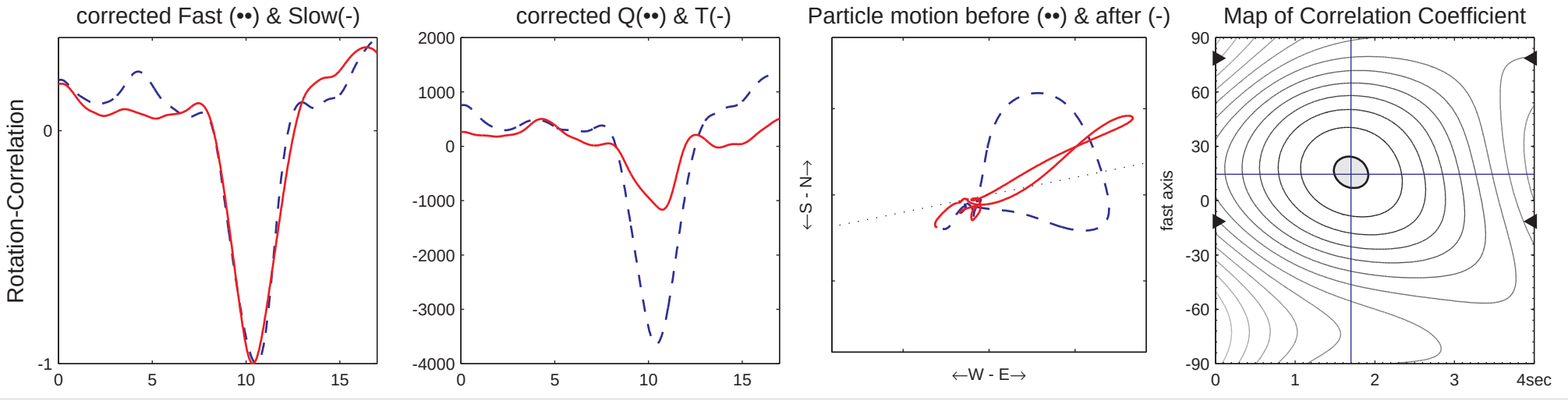


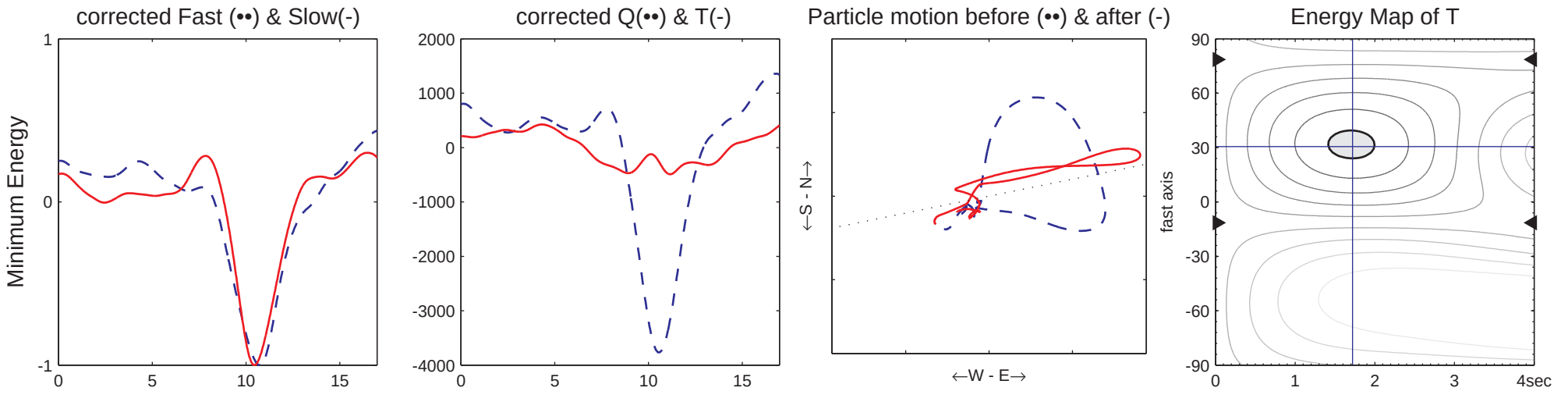
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **KDHN** Backazimuth: **258.5”** Distance: **111.15”**
init.Pol.: **62.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

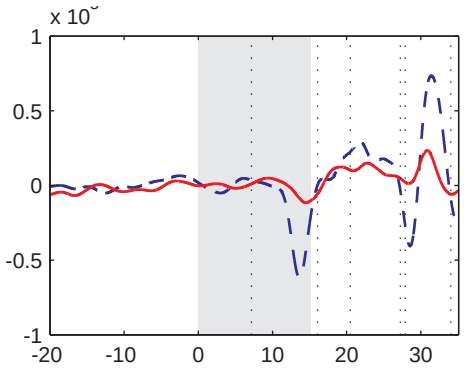
Rotation Correlation:	7<	15° <	25	1.5<1.7s<1.9
Minimum Energy:	23<	31° <	39	1.4<1.7s<2.0
Eigenvalue:	11<	17° <	21	1.6<1.7s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





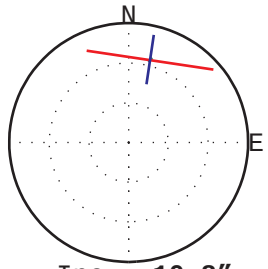




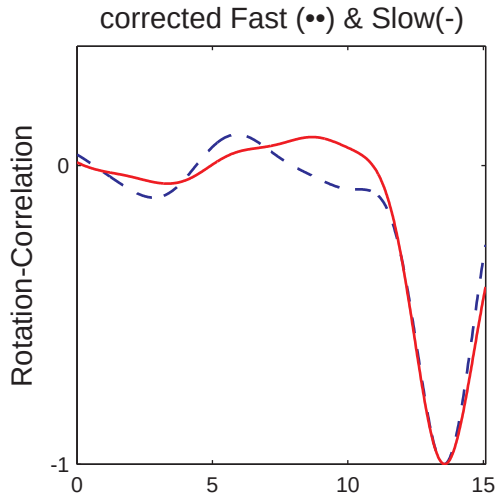
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **KDHN** Backazimuth: **14.5”** Distance: **87.05”**
init.Pol.: **179.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**15.8**

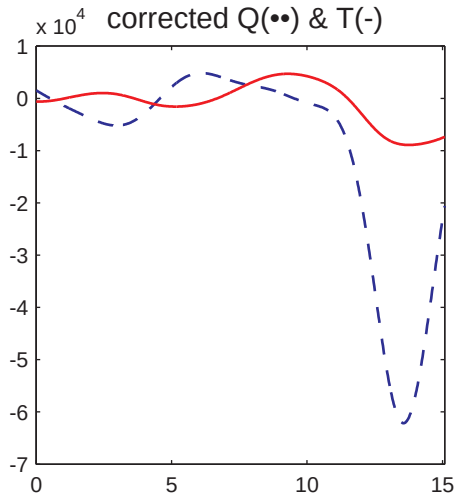
Rotation Correlation:	37<	53° <	70	0.0<0.2s<0.4
Minimum Energy:	-86<	-82° <	-82	3.1<4.0s<4.0
Eigenvalue:	5<	8° <	23	0.5<1.6s<2.0

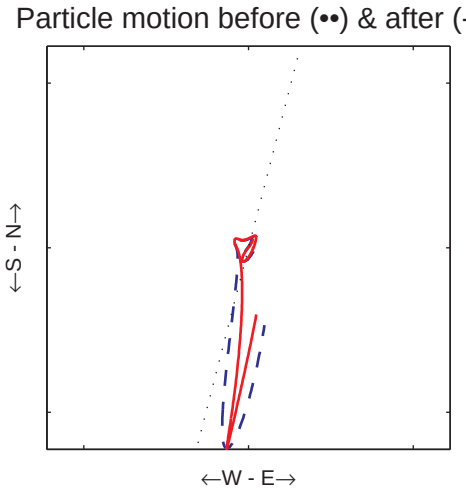
Quality: **good** IsNull: **Yes** Phase: **SKS**

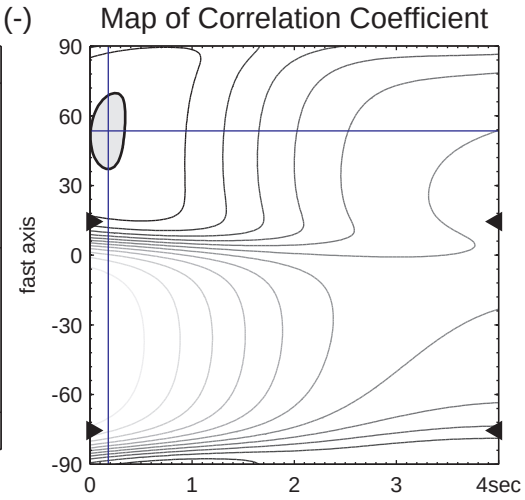


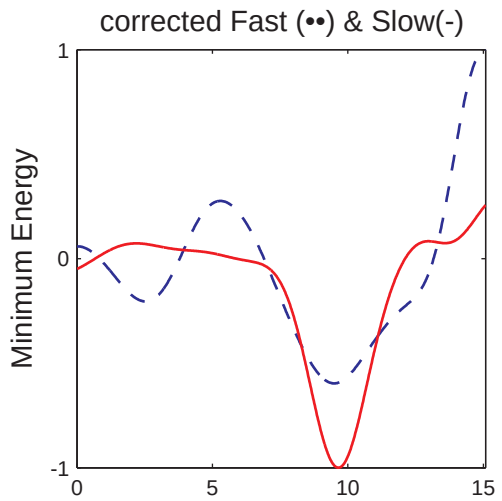
Inc = **10.8”**

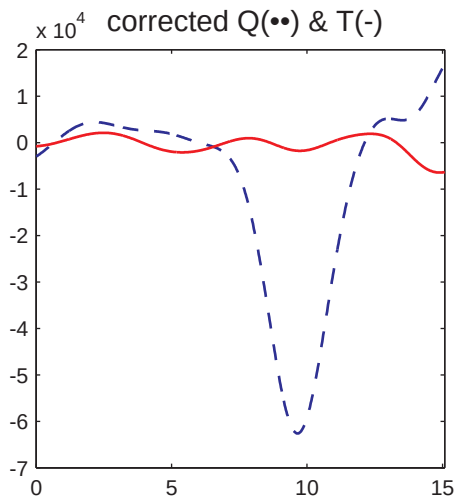


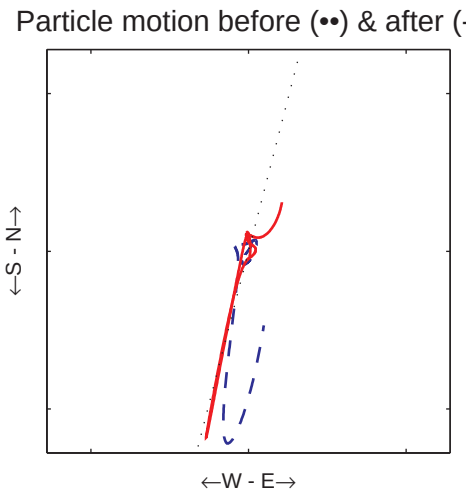


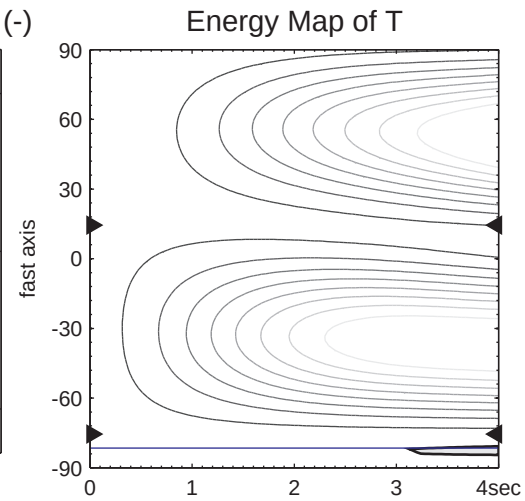


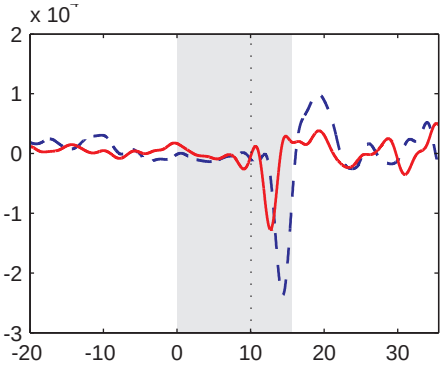








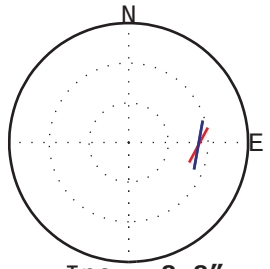


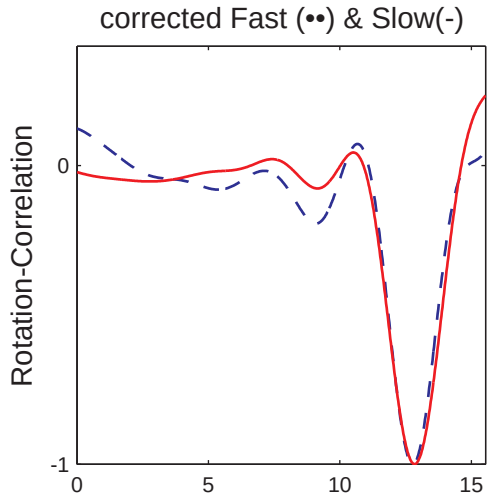


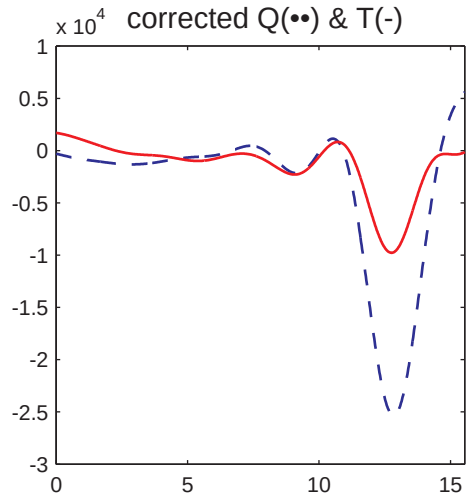
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **KDHN** Backazimuth: **92.1”** Distance: **97.58”**
init.Pol.: **252.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

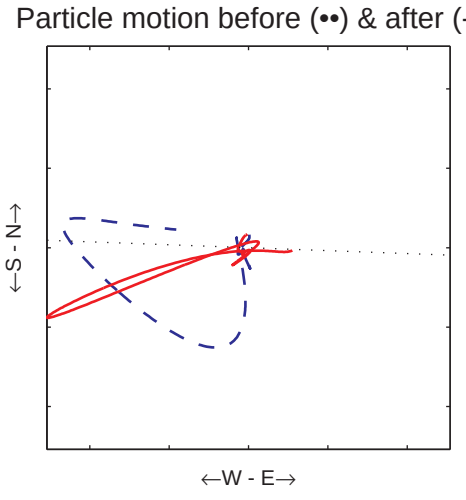
Rotation Correlation:	10<	10° <	13	1.5<1.5s<1.6
Minimum Energy:	23<	28° <	35	1.0<1.2s<1.5
Eigenvalue:	9<	10° <	15	1.5<1.6s<1.6

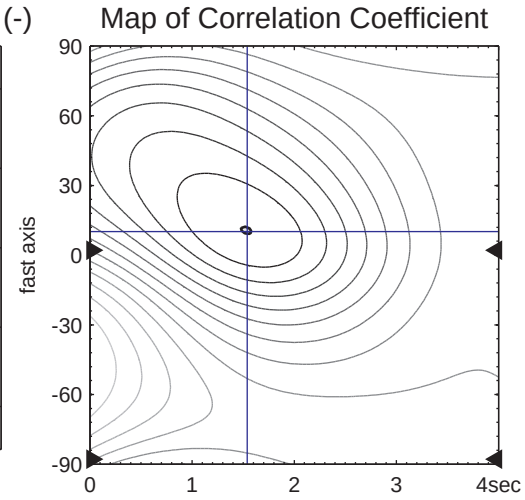
Quality: **fair** IsNull: **No** Phase: **SKS**

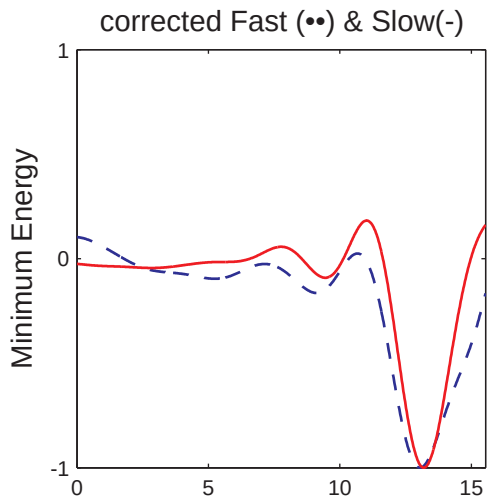


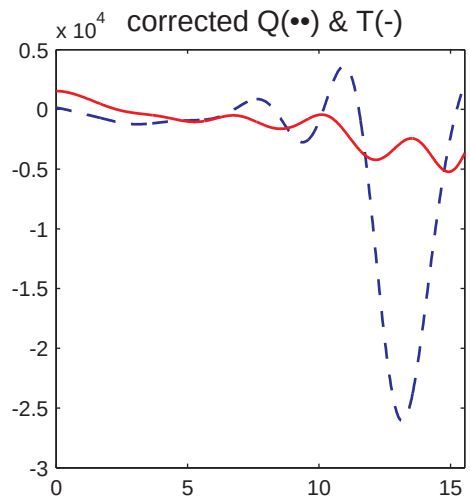


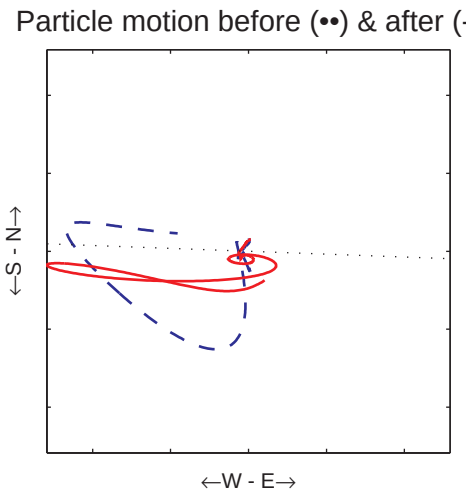


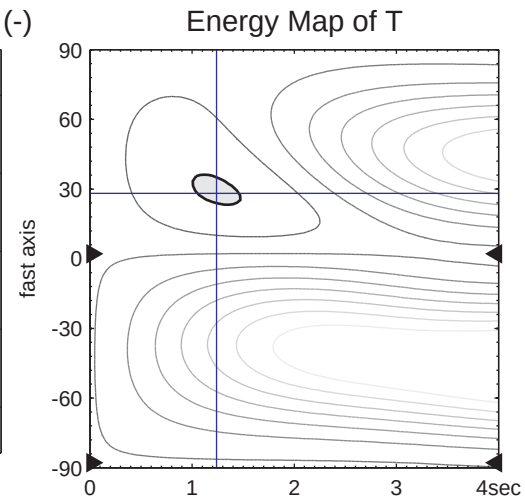


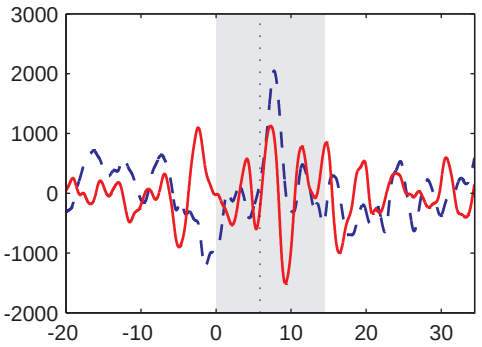








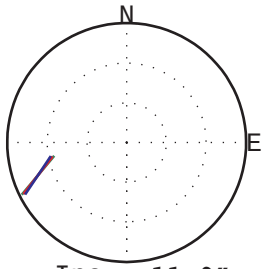


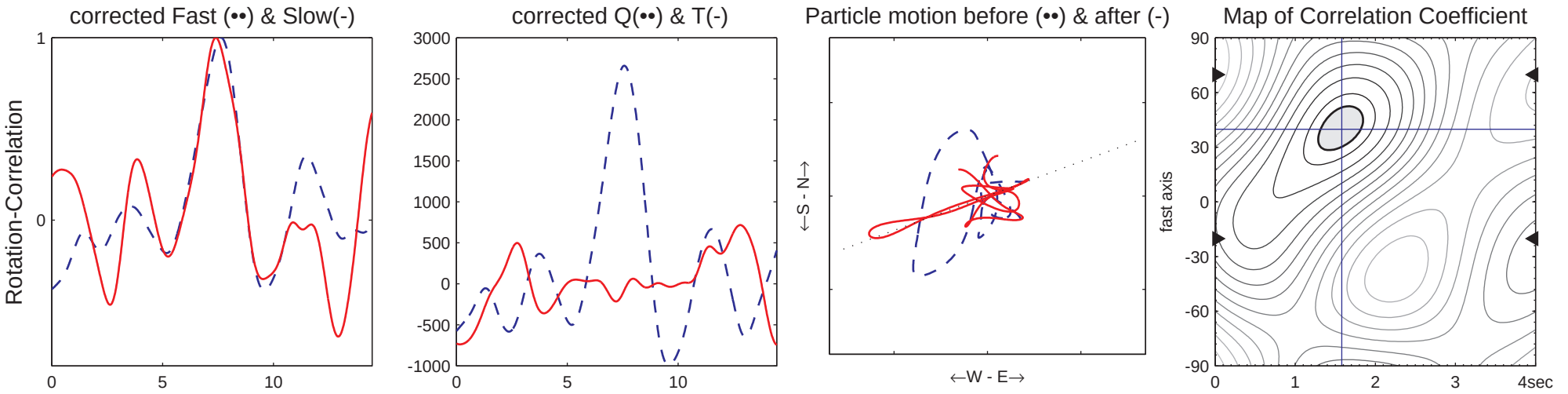


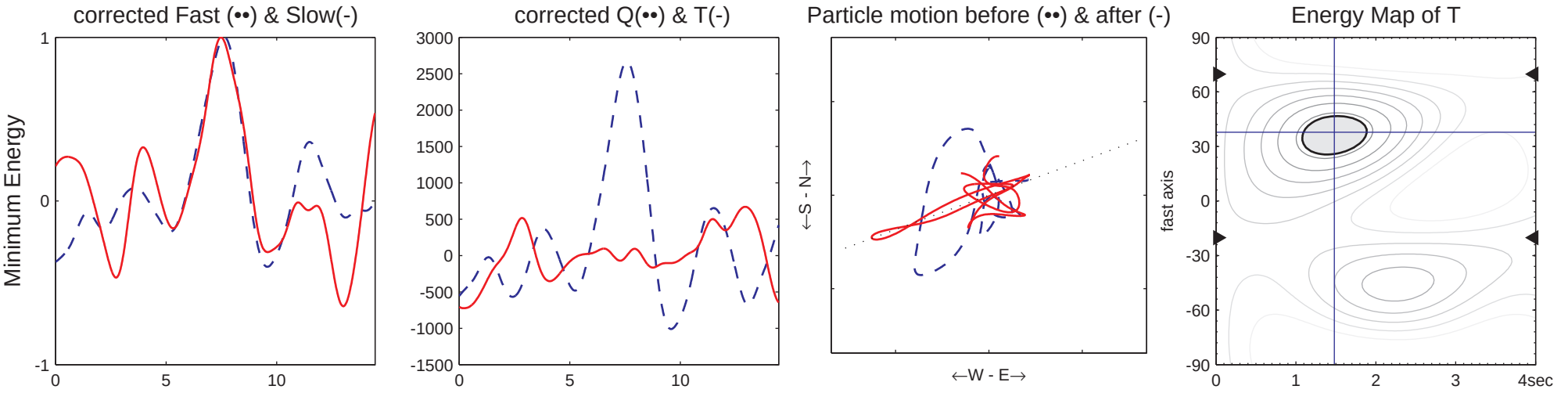
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km Mw=6.7**
Station: **KDHN** Backazimuth: **249.8”** Distance: **110.97”**
init.Pol.: **64.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

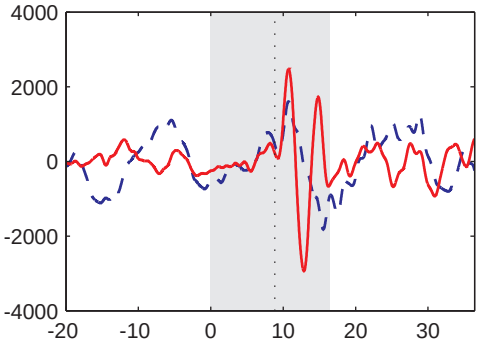
Rotation Correlation:	29<	40° <	53	1.3<1.6s<1.8
Minimum Energy:	25<	38° <	48	1.1<1.5s<1.9
Eigenvalue:	7<	34° <	54	0.9<1.4s<1.9

Quality: **fair** IsNull: **No** Phase: **SKKS**





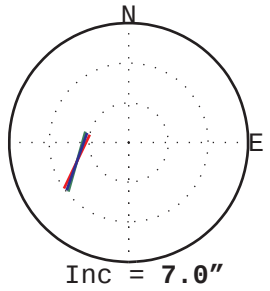


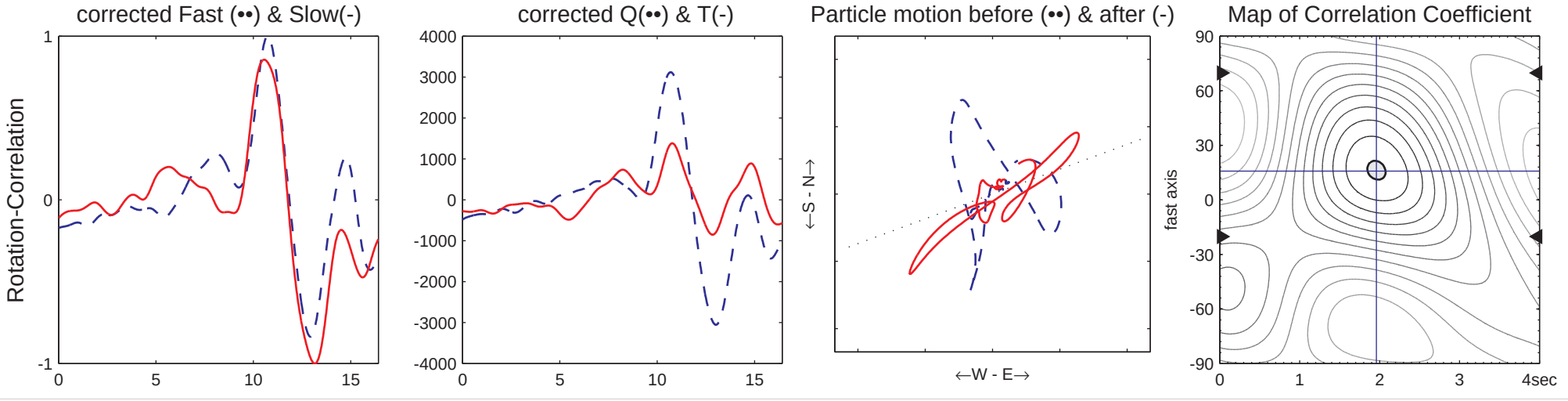


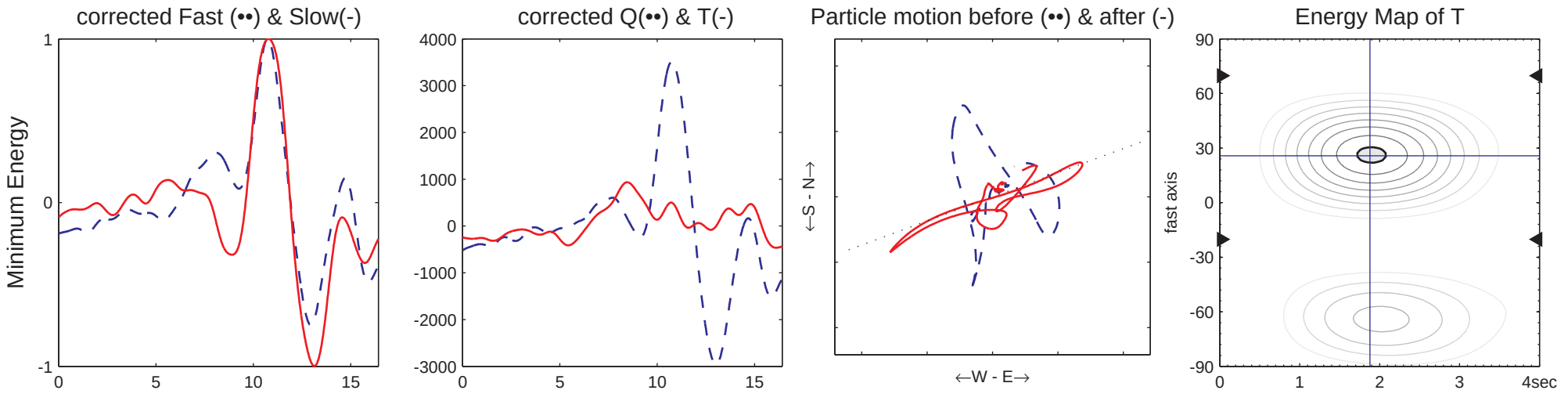
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **KDHN** Backazimuth: **249.8”** Distance: **110.97”**
init.Pol.: **56.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

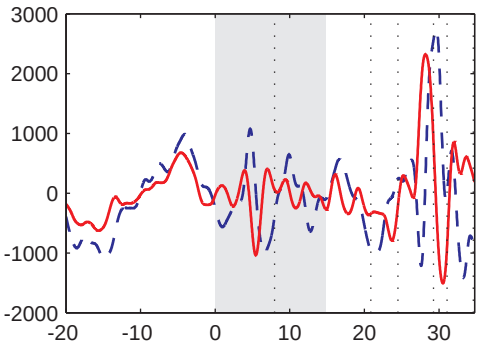
Rotation Correlation:	12<	16° <	22	1.8<2.0s<2.1
Minimum Energy:	21<	26° <	31	1.7<1.9s<2.1
Eigenvalue:	11<	20° <	25	1.8<1.9s<2.1

Quality: **fair** IsNull: **No** Phase: **SKS**





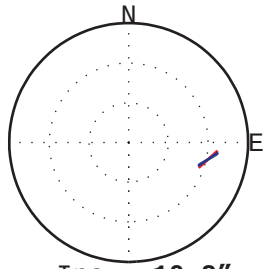




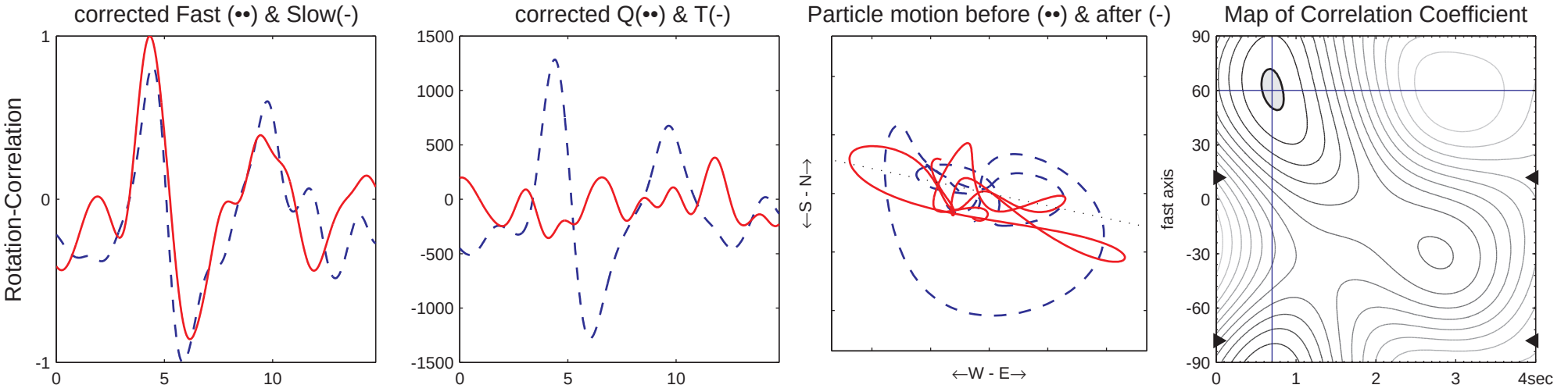
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **KDHN** Backazimuth: **102.0”** Distance: **90.00”**
init.Pol.: **287.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.3**

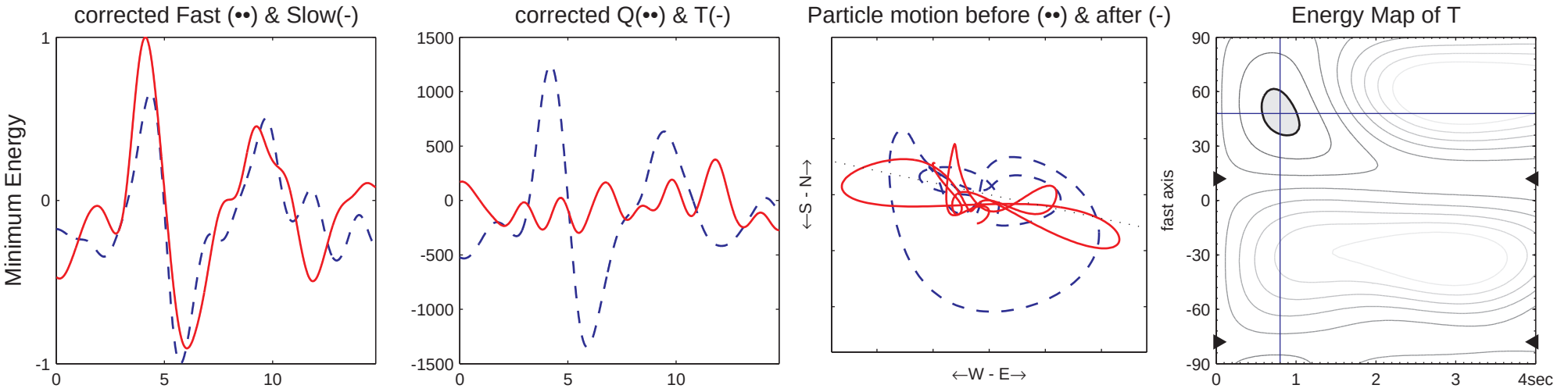
Rotation Correlation:	49<	60° <	72	0.6<0.7s<0.8
Minimum Energy:	35<	48° <	62	0.6<0.8s<1.0
Eigenvalue:	35<	56° <	80	0.6<0.8s<1.0

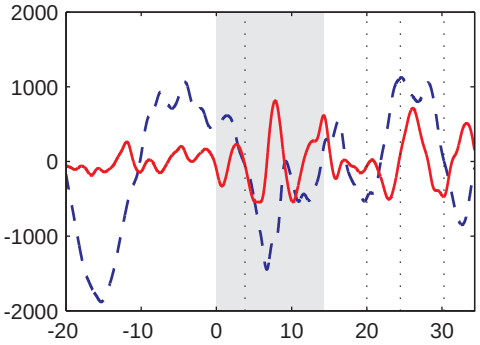
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.2”**



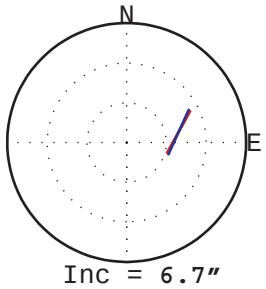


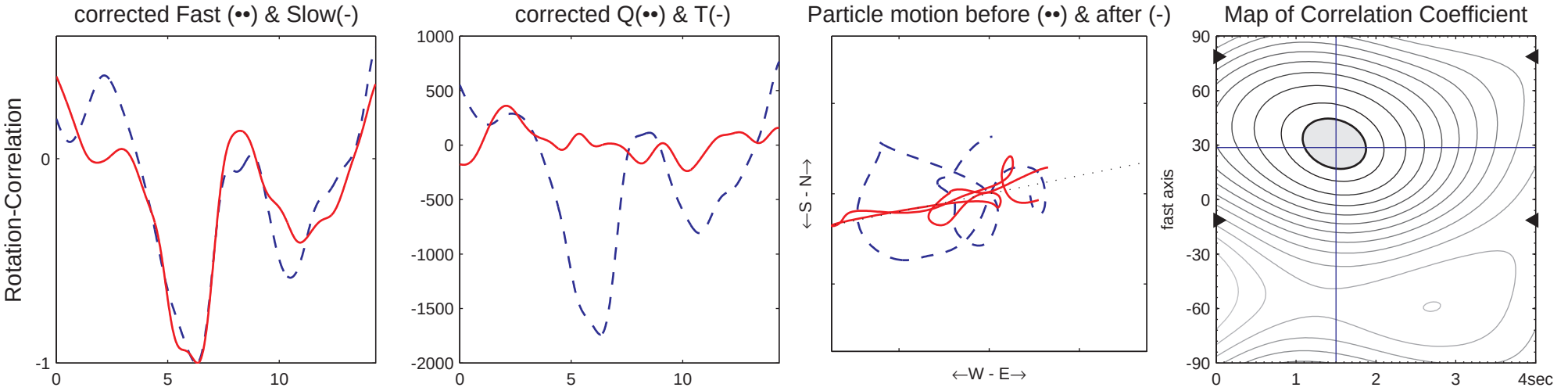


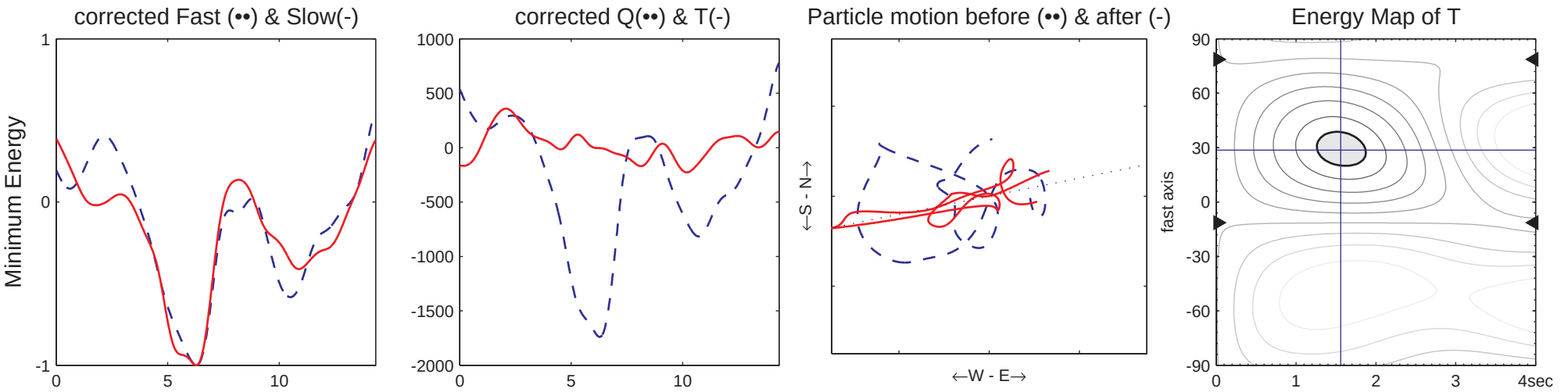
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **KDHN** Backazimuth: **78.7”** Distance: **114.15”**
init.Pol.: **253.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.4**

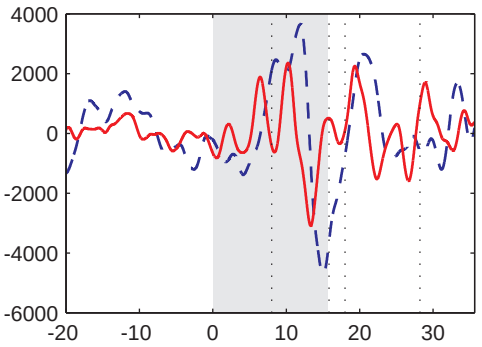
Rotation Correlation:	17<	29° <	45	1.1<1.5s<1.9
Minimum Energy:	19<	29° <	39	1.3<1.6s<1.9
Eigenvalue:	13<	25° <	37	1.3<1.6s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





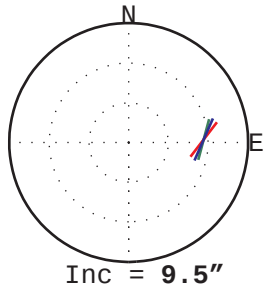


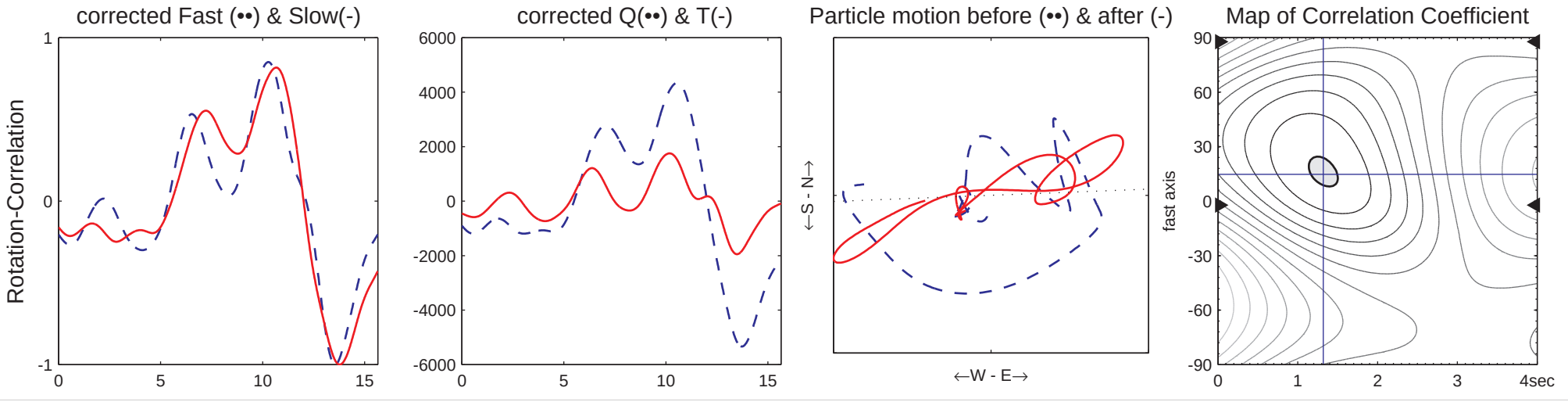


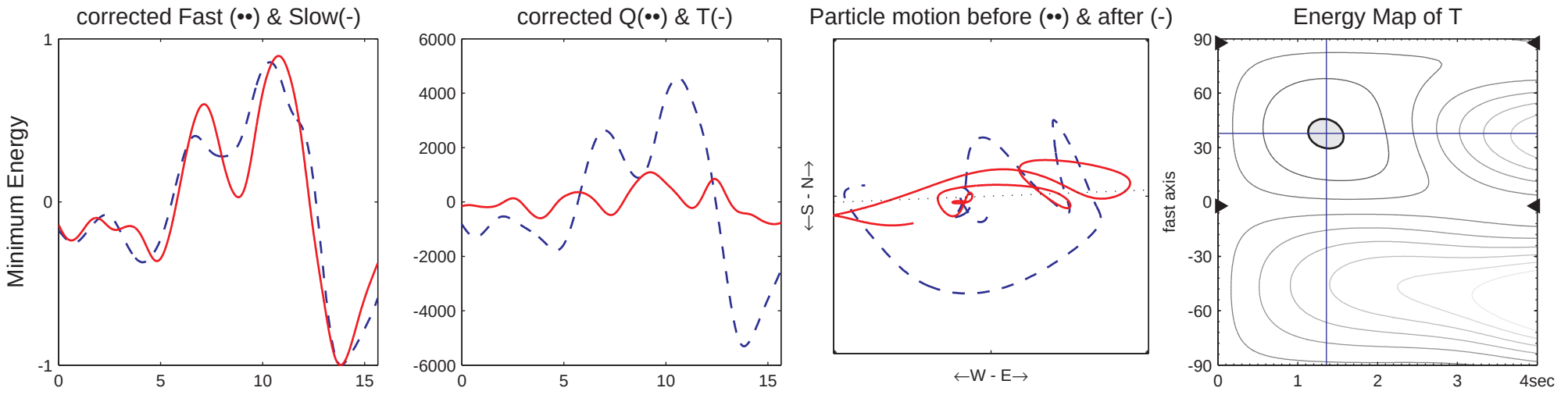
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **KDHN** Backazimuth: **87.8”** Distance: **94.34”**
init.Pol.: **256.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

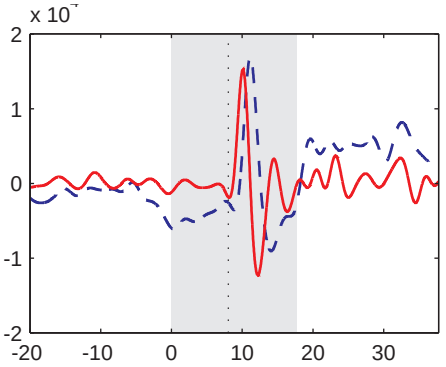
Rotation Correlation:	9<	15° <	25	1.1<1.3s<1.5
Minimum Energy:	29<	38° <	46	1.1<1.4s<1.6
Eigenvalue:	15<	24° <	31	1.3<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





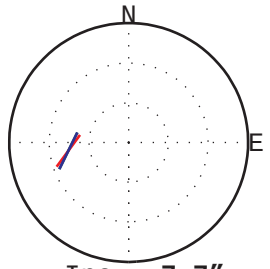


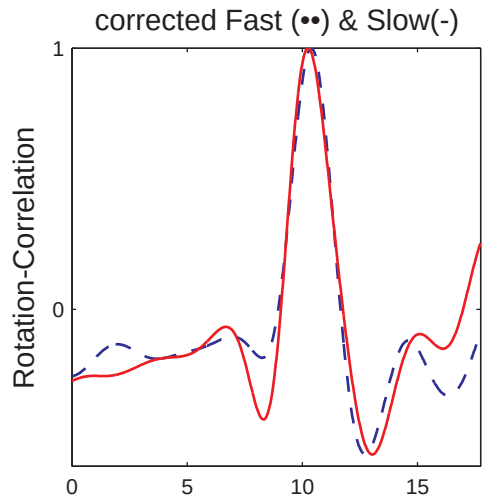


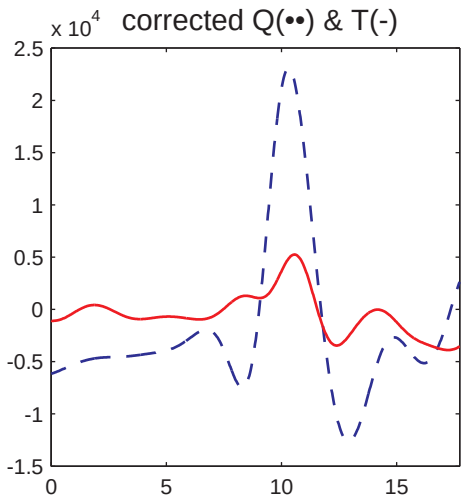
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **KDHN** Backazimuth: **262.1”** Distance: **105.05”**
init.Pol.: **71.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

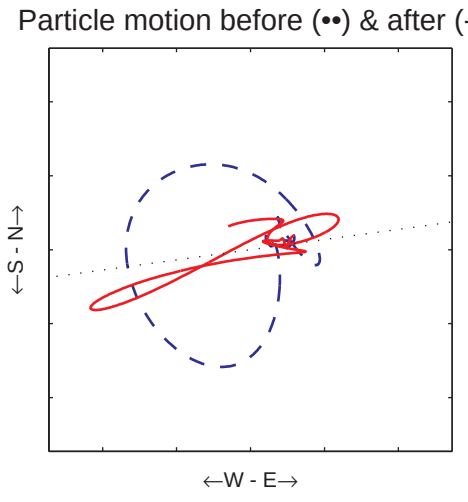
Rotation Correlation:	20<	26° <	34	1.2<1.3s<1.4
Minimum Energy:	31<	36° <	43	1.1<1.2s<1.4
Eigenvalue:	17<	26° <	35	1.1<1.3s<1.4

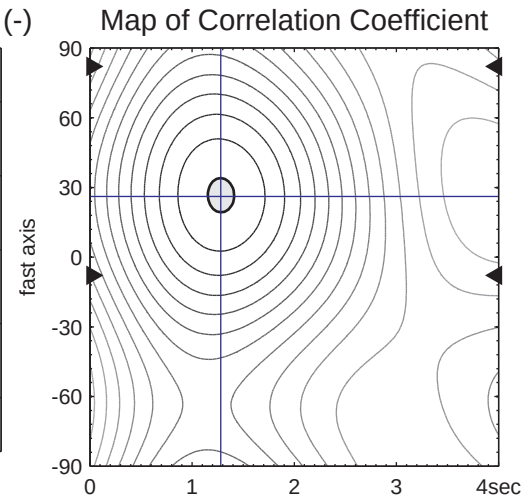
Quality: **fair** IsNull: **No** Phase: **SKS**

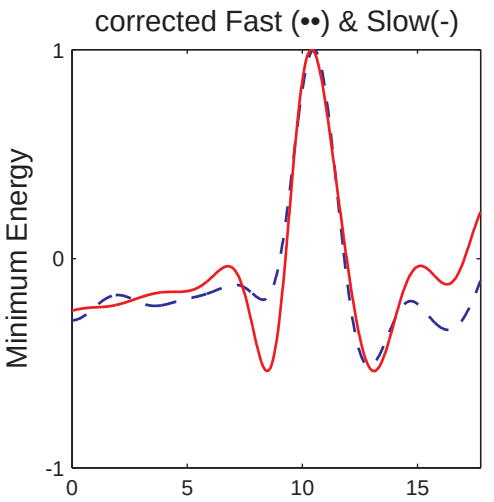


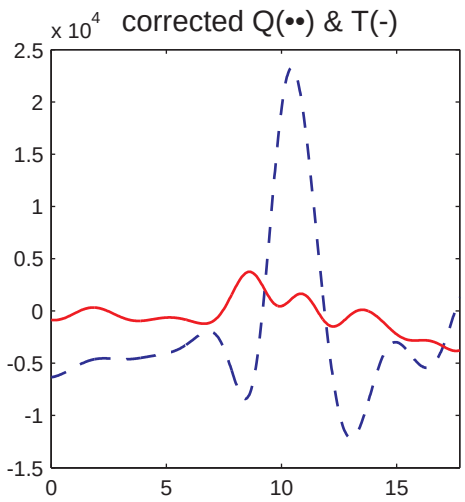


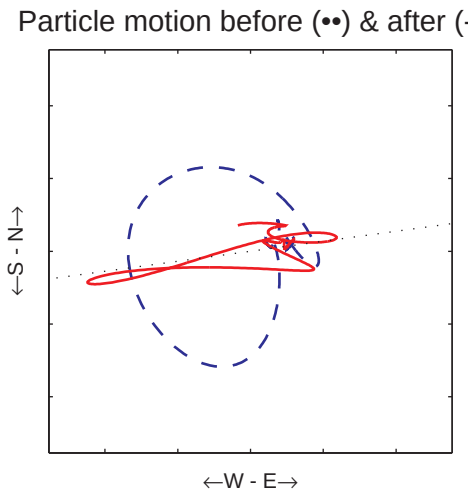


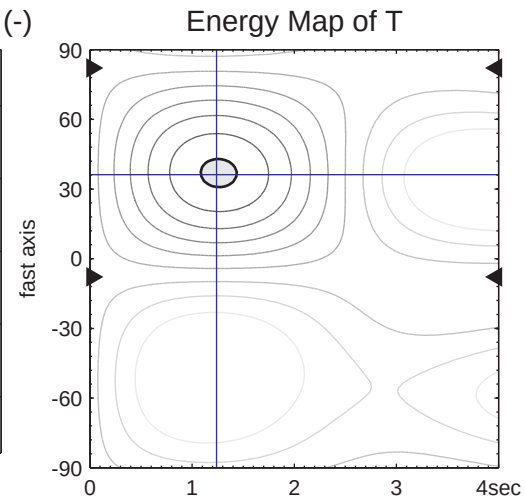


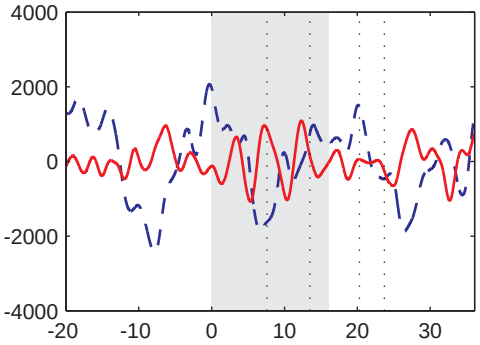








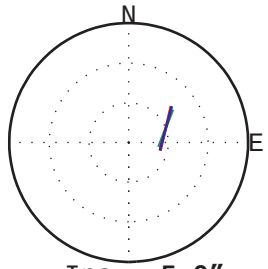




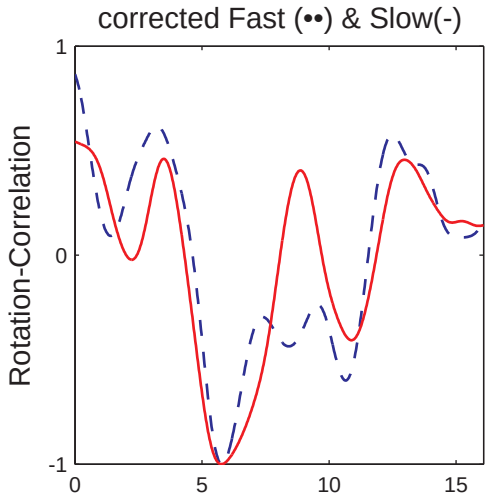
Event: **09-Jan-2012 (009) 04:07 -10.62N 165.16E 28km Mw=6.4**
Station: **KDHN** Backazimuth: **69.1”** Distance: **129.76”**
init.Pol.: **252.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

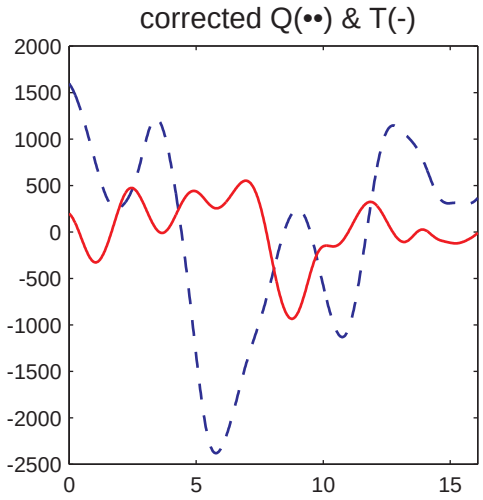
Rotation Correlation:	8<	21° <	42	0.7<1.3s<1.7
Minimum Energy:	1<	13° <	27	1.0<1.4s<2.0
Eigenvalue:	-1<	15° <	33	0.9<1.4s<2.0

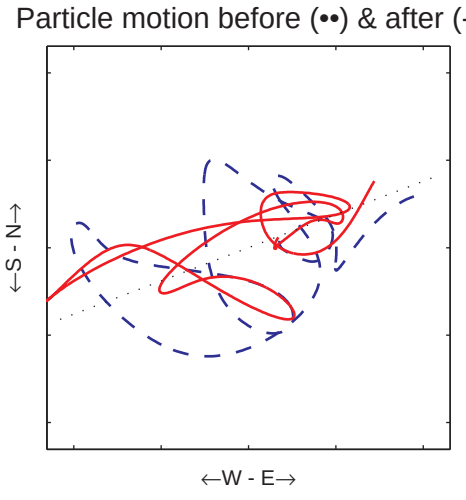
Quality: **fair** IsNull: **No** Phase: **SKS**

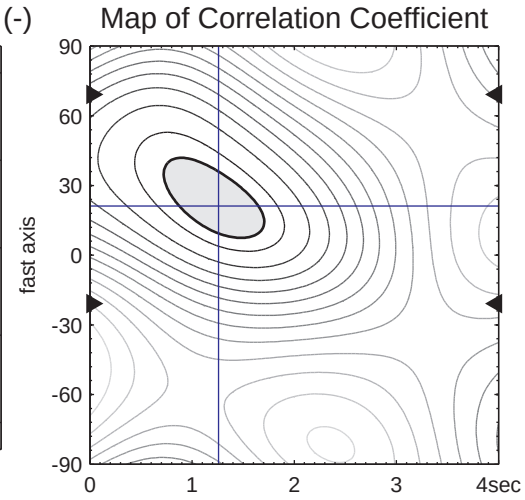


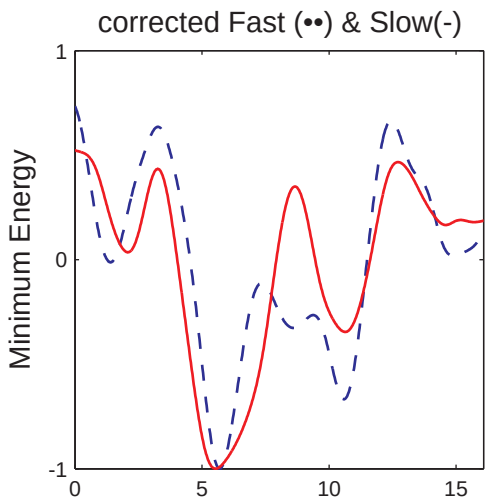
Inc = **5.0”**

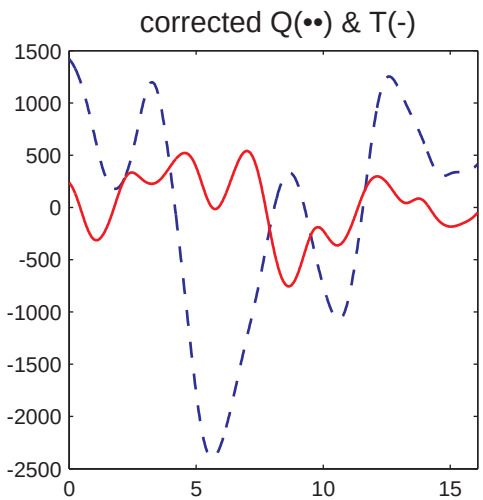


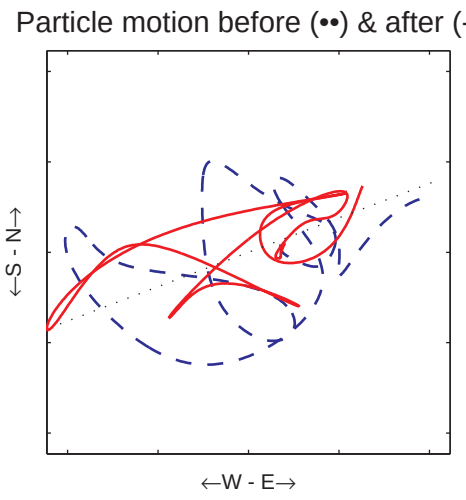


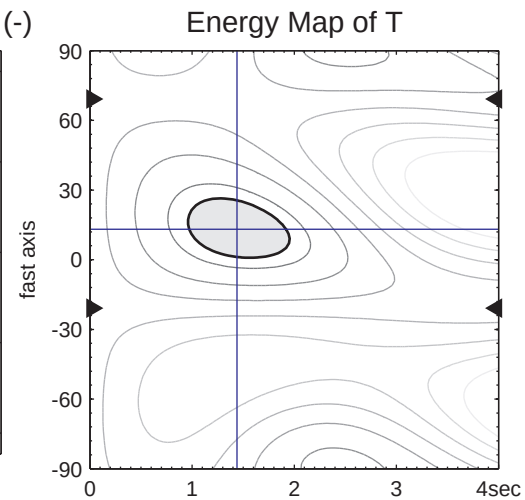


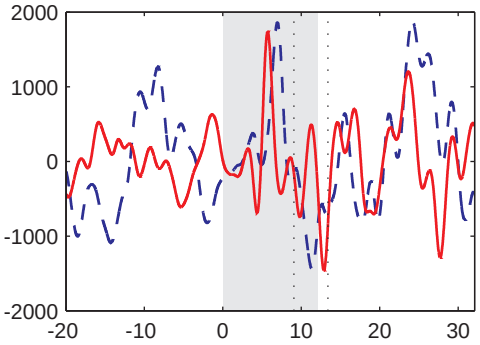








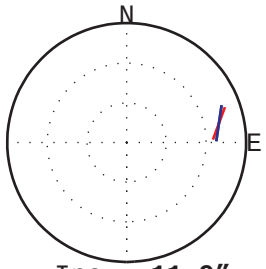




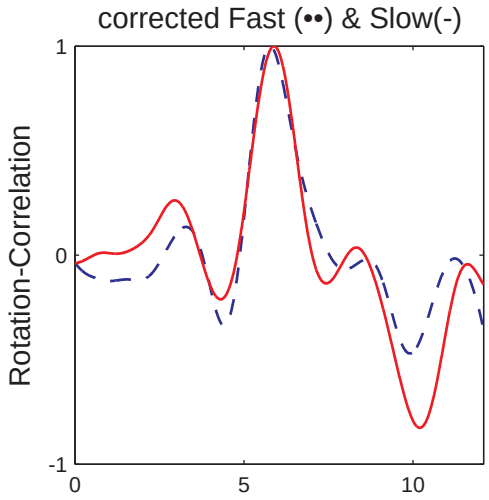
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **KDHN** Backazimuth: **78.3”** Distance: **112.86”**
init.Pol.: **240.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

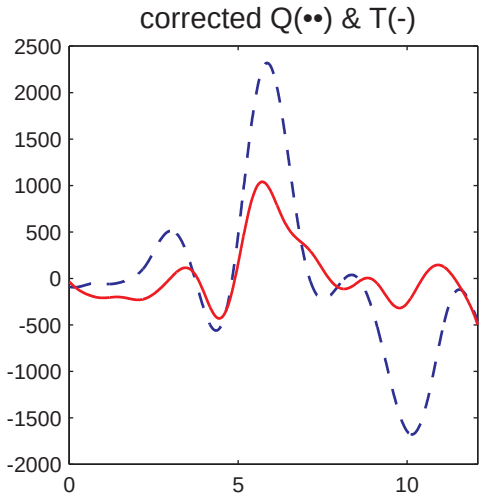
Rotation Correlation:	4<	8° <	15	1.0<1.1s<1.2
Minimum Energy:	13<	20° <	27	0.9<1.1s<1.3
Eigenvalue:	3<	8° <	17	1.0<1.1s<1.3

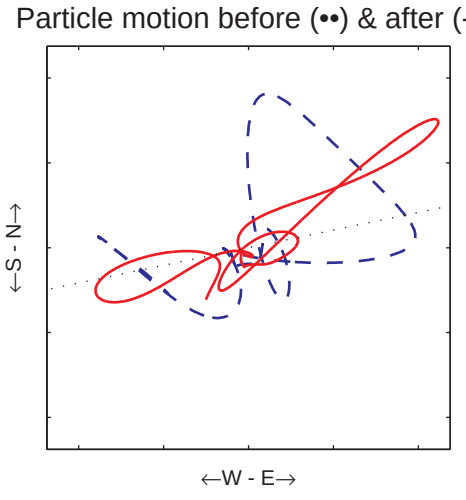
Quality: **fair** IsNull: **No** Phase: **SKKS**

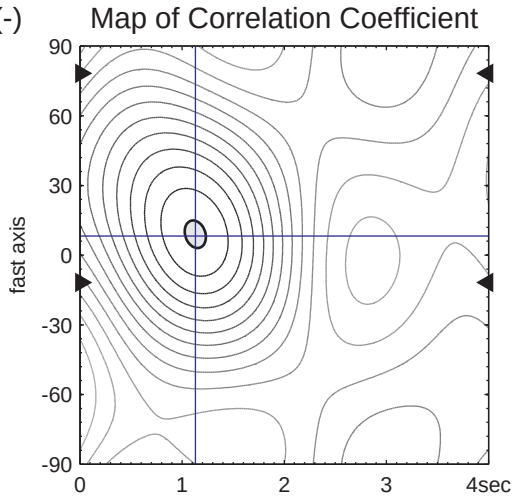


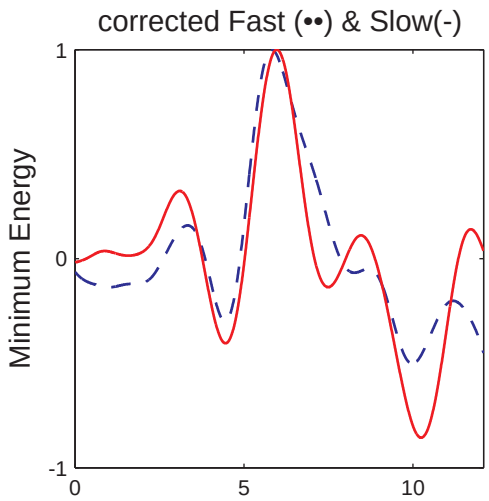
Inc = **11.9”**

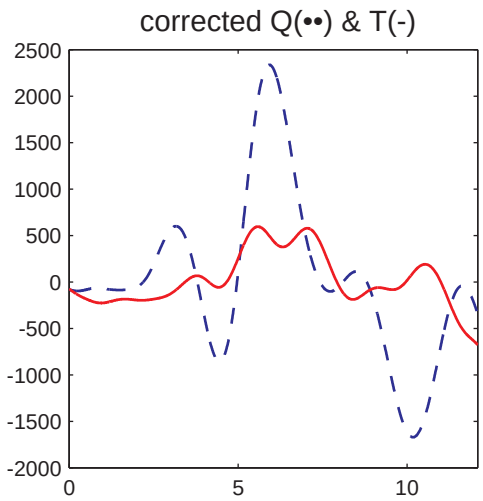


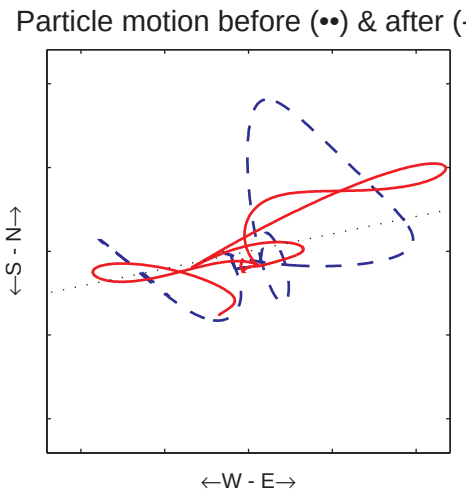


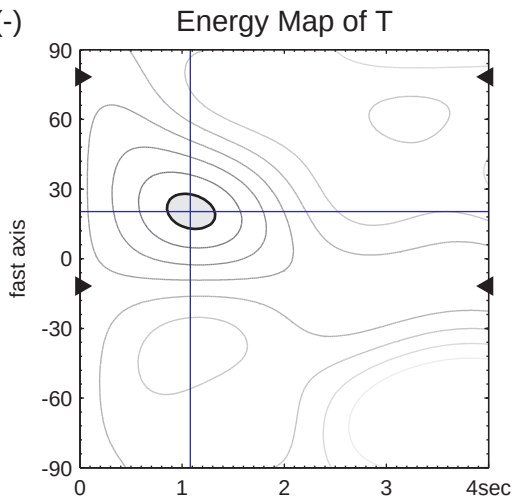


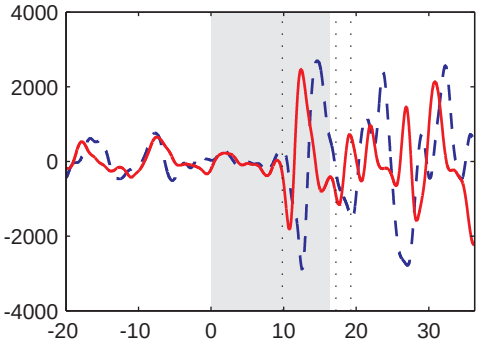








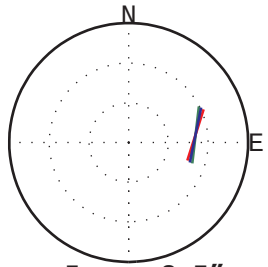


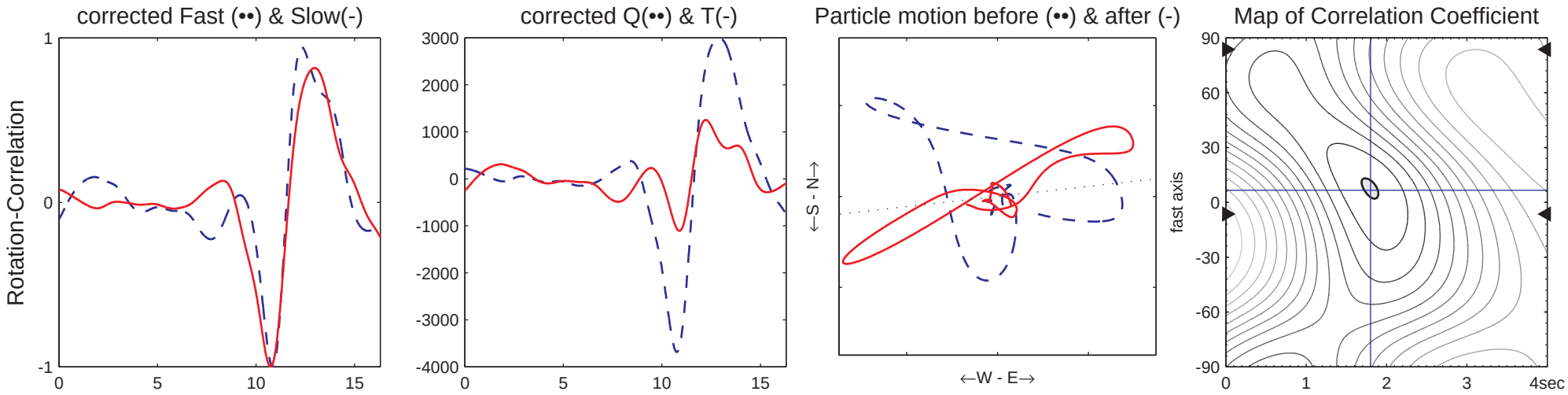


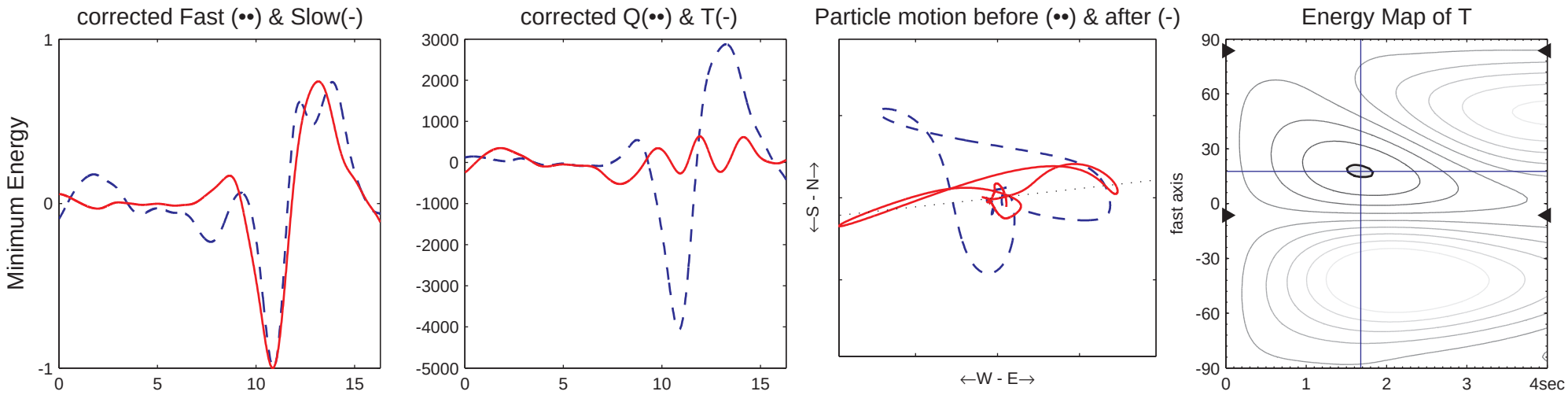
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **KDHN** Backazimuth: **83.6”** Distance: **100.50”**
init.Pol.: **254.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.5**

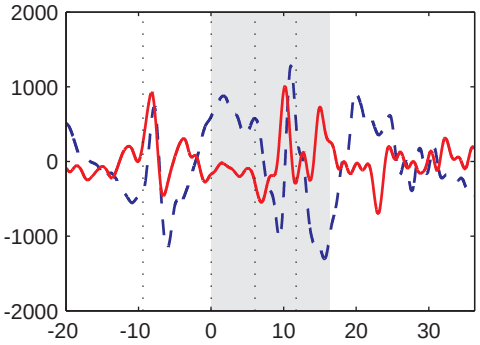
Rotation Correlation:	3<	7° <	14	1.7<1.8s<1.9
Minimum Energy:	15<	18° <	21	1.5<1.7s<1.8
Eigenvalue:	1<	12° <	19	1.6<1.8s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





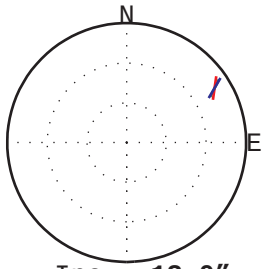




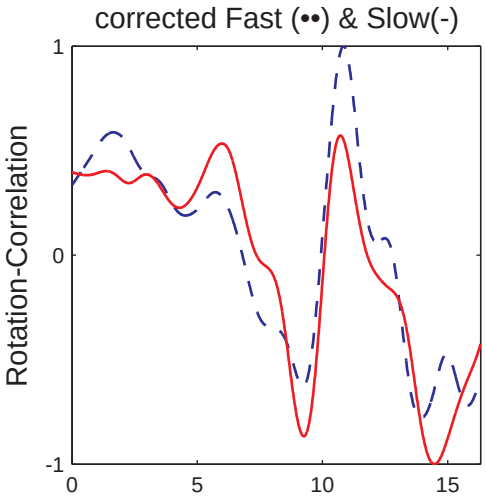
Event: **26-May-2012 (147) 21:48 26.91N 140.06E 487km Mw=6.0**
Station: **KDHN** Backazimuth: **58.2”** Distance: **86.16”**
init.Pol.: **252.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.2**

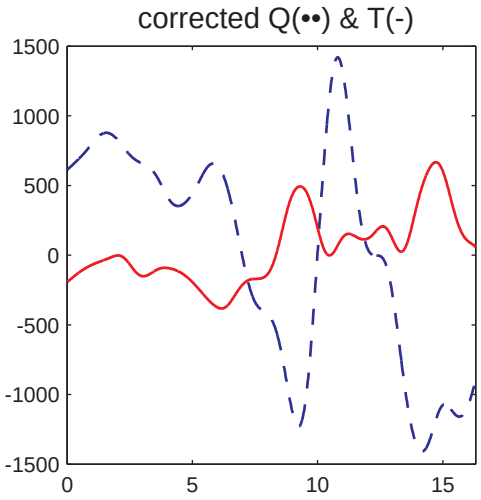
Rotation Correlation:	16<	26° <	38	0.4<0.6s<0.8
Minimum Energy:	-9<	8° <	31	0.4<0.7s<1.1
Eigenvalue:	13<	30° <	48	0.5<0.7s<0.9

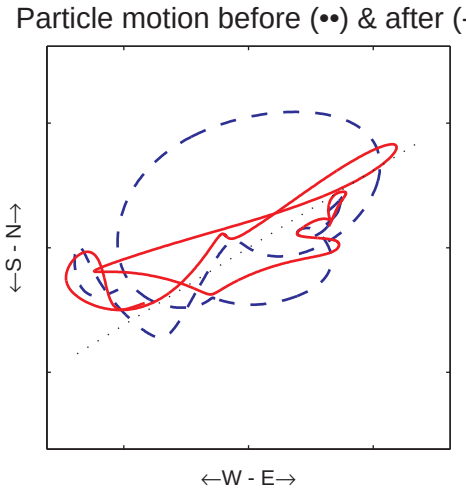
Quality: **fair** IsNull: **No** Phase: **SKKS**

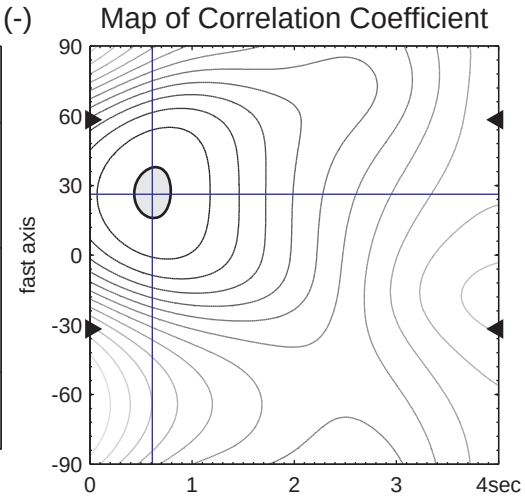


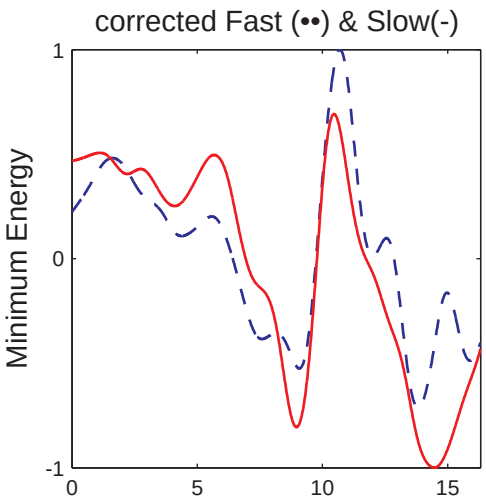
Inc = **13.0”**

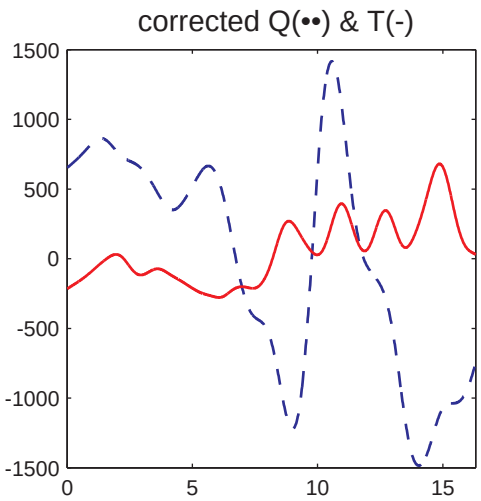


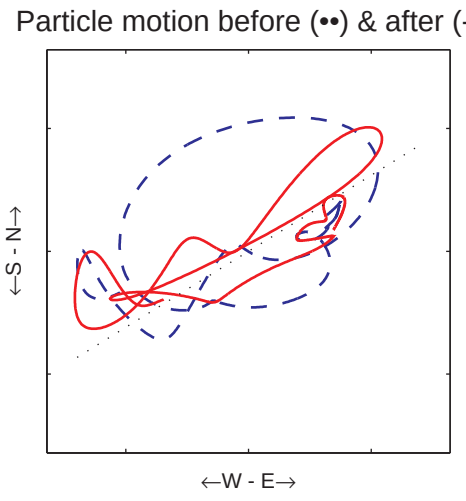


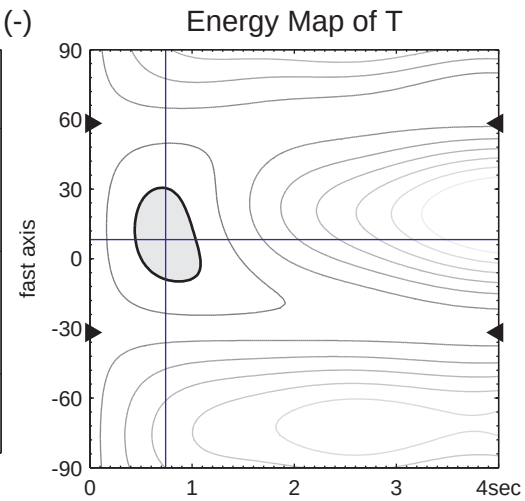


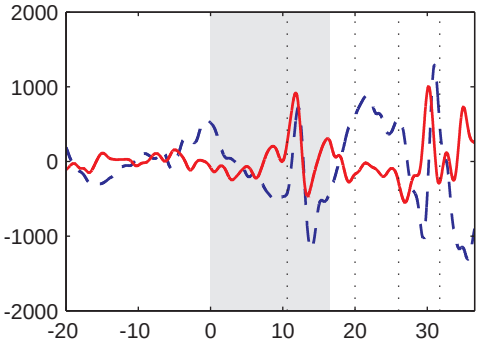








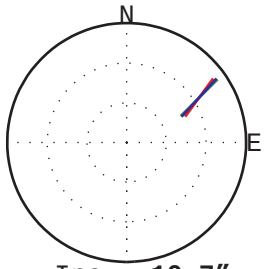




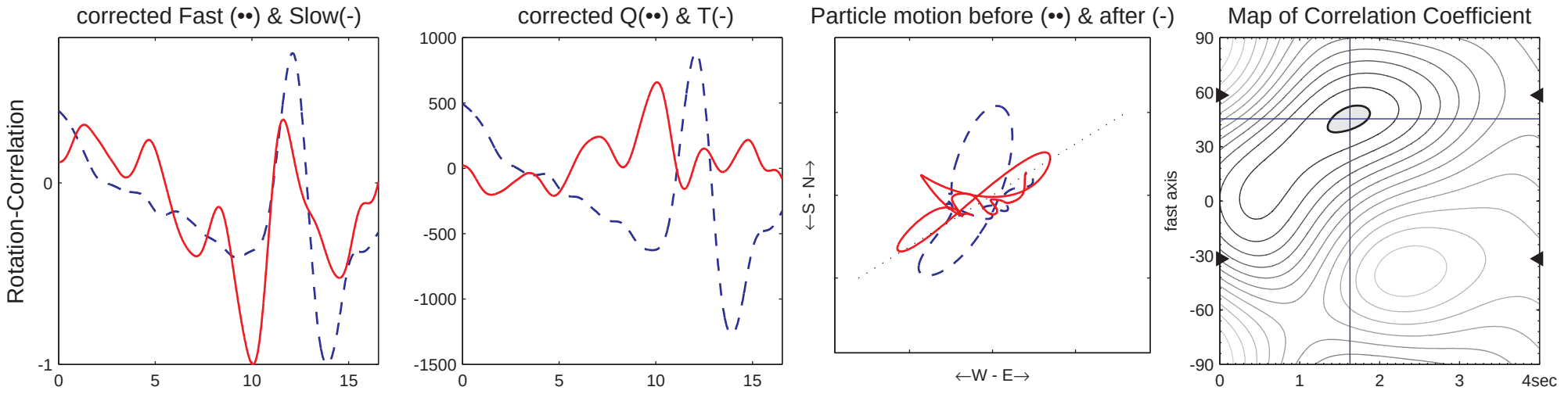
Event: **26-May-2012 (147) 21:48 26.91N 140.06E 487km Mw=6.0**
Station: **KDHN** Backazimuth: **58.2”** Distance: **86.16”**
init.Pol.: **246.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

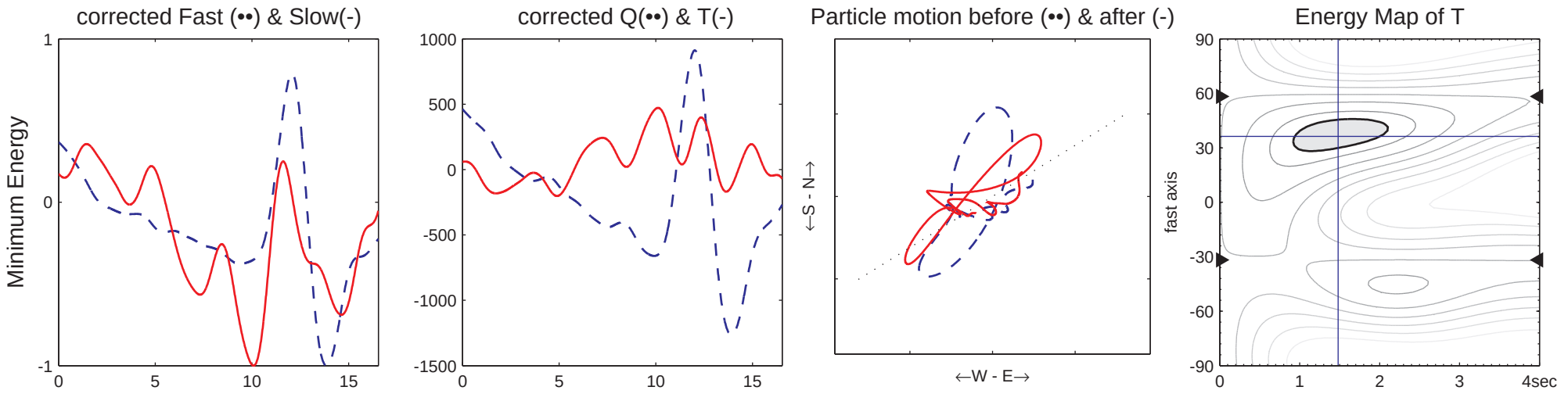
Rotation Correlation:	38<	45° <	53	1.3<1.6s<1.9
Minimum Energy:	27<	36° <	46	0.9<1.5s<2.1
Eigenvalue:	23<	42° <	58	0.9<1.6s<2.1

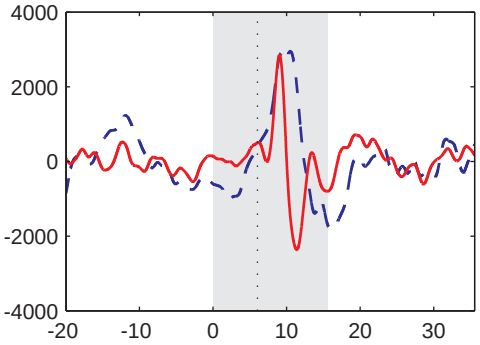
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



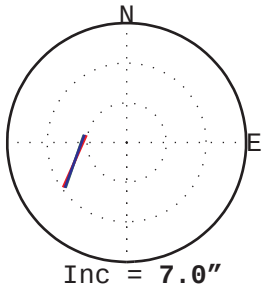


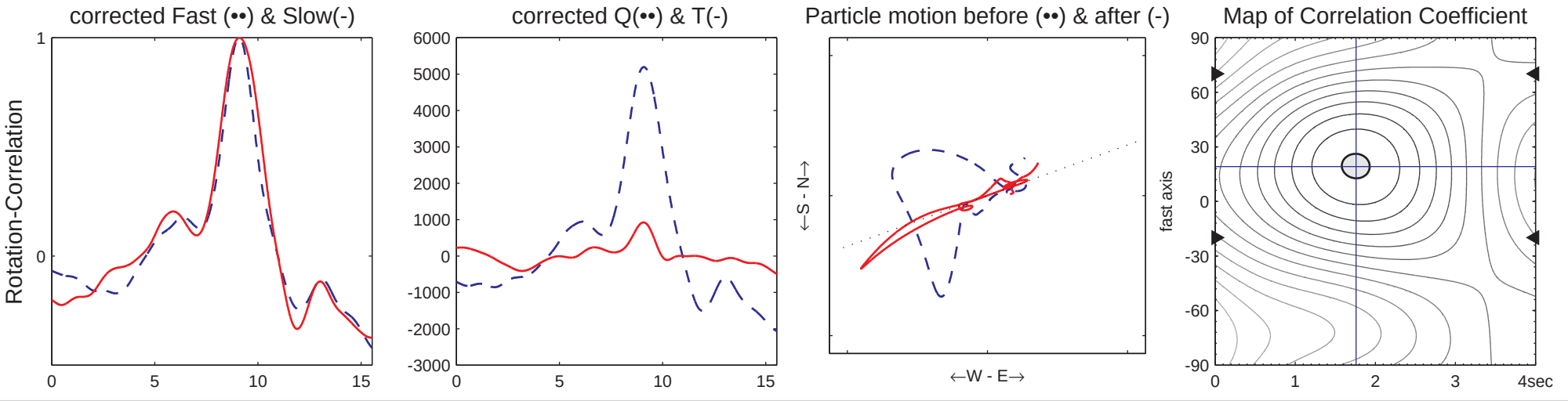


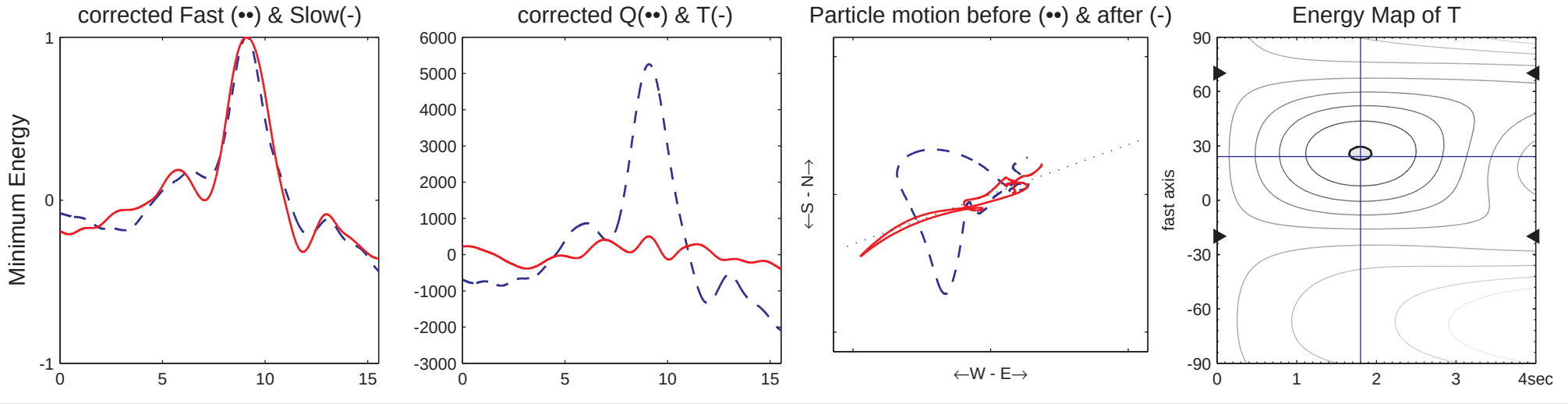
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **KDHN** Backazimuth: **250.1”** Distance: **110.82”**
init.Pol.: **63.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.5**

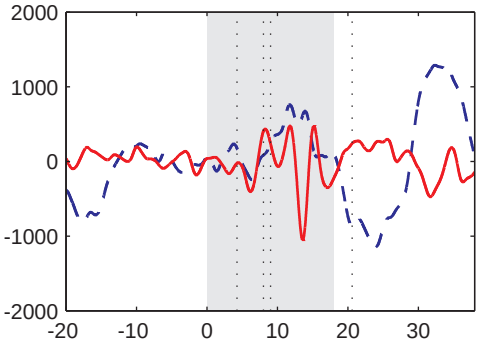
Rotation Correlation:	13<	19° <	27	1.6<1.8s<1.9
Minimum Energy:	21<	24° <	29	1.7<1.8s<1.9
Eigenvalue:	17<	20° <	23	1.7<1.8s<1.9

Quality: **good** IsNull: **No** Phase: **SKS**





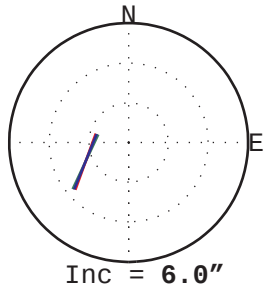


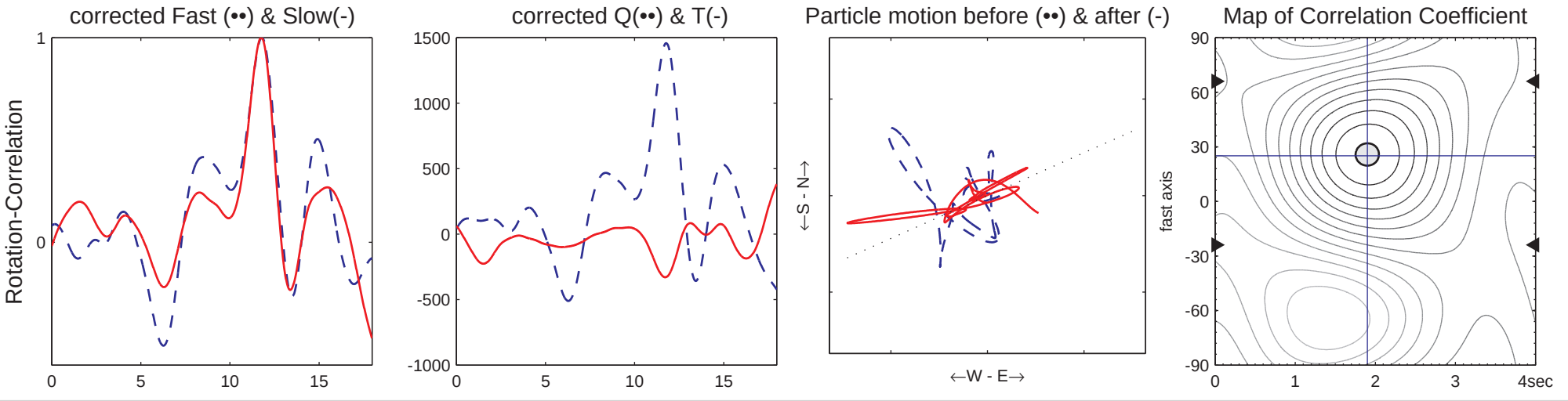


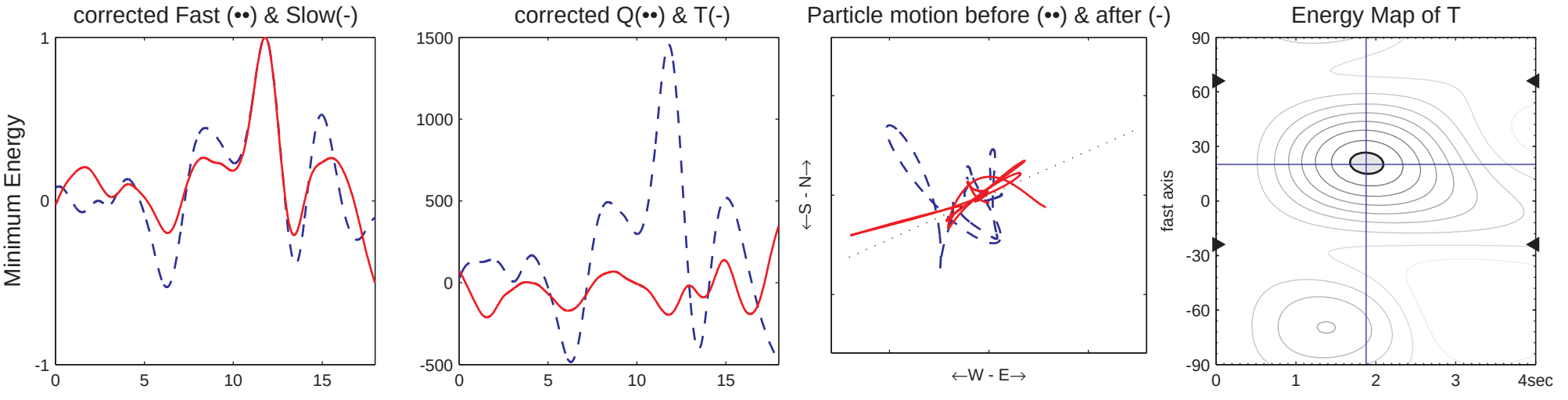
Event: **07-Jun-2012 (159) 04:05 -36.07N -70.57E 8km Mw=6.0**
Station: **KDHN** Backazimuth: **246.1”** Distance: **120.37”**
init.Pol.: **69.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.2**

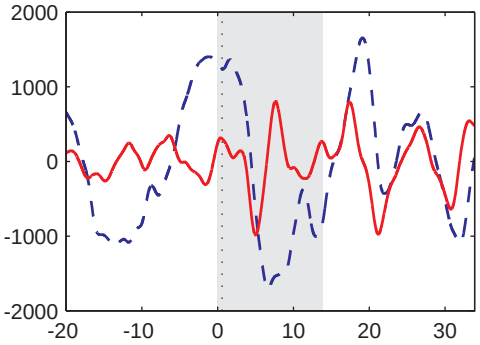
Rotation Correlation:	20<	25° <	32	1.8<1.9s<2.0
Minimum Energy:	15<	20° <	27	1.7<1.9s<2.1
Eigenvalue:	13<	22° <	33	1.7<1.9s<2.1

Quality: **good** IsNull: **No** Phase: **SKS**





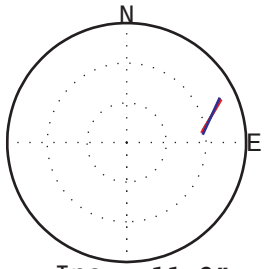




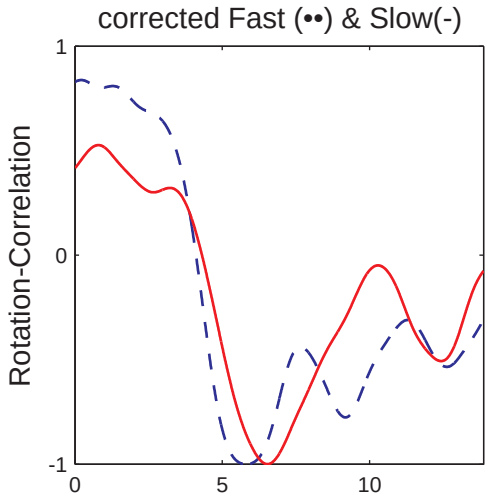
Event: **25-Jul-2012 (207) 11:20 -9.69N 159.73E 20km Mw=6.4**
Station: **KDHN** Backazimuth: **72.7”** Distance: **125.14”**
init.Pol.: **249.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

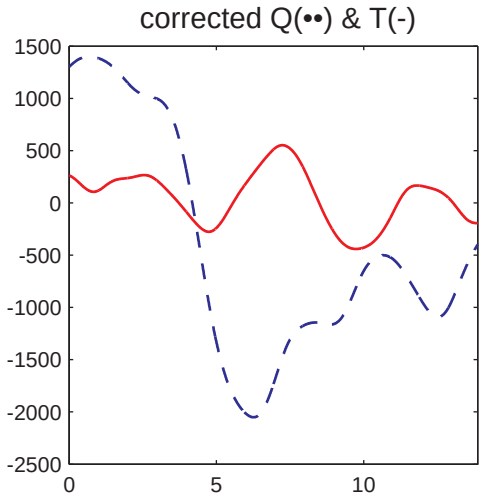
Rotation Correlation:	15<	31° <	47	0.5<1.1s<1.6
Minimum Energy:	5<	31° <	54	0.7<1.2s<1.8
Eigenvalue:	-1<	25° <	54	0.7<1.3s<2.0

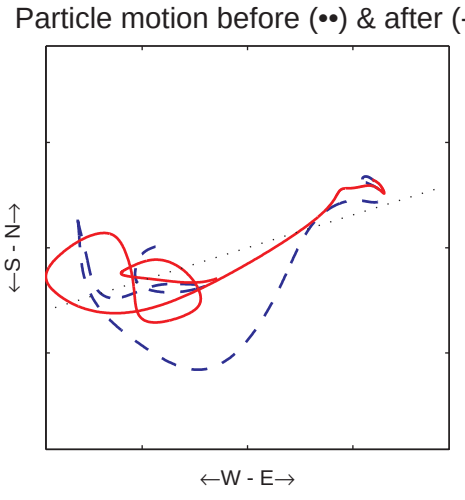
Quality: **fair** IsNull: **No** Phase: **SKKS**

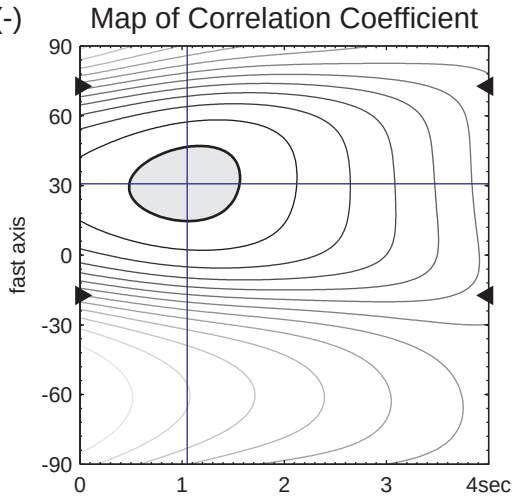


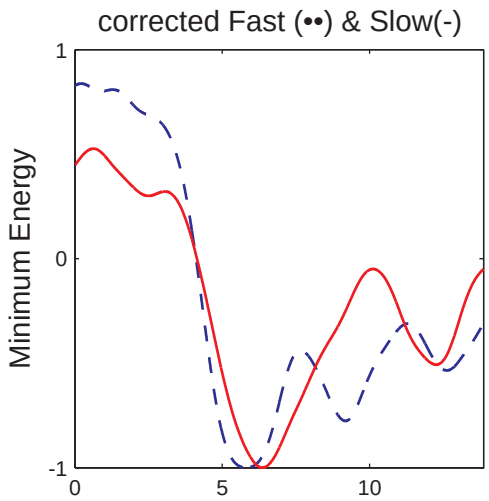
Inc = **11.2”**

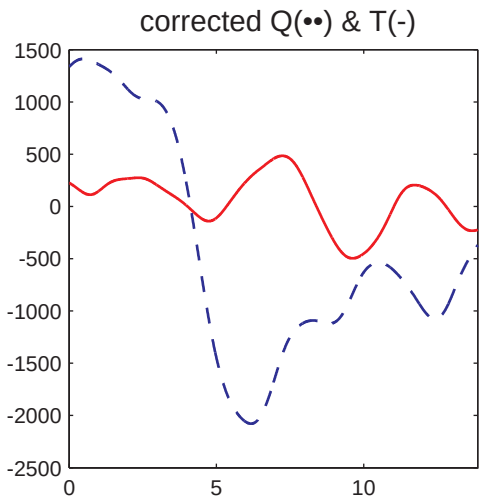


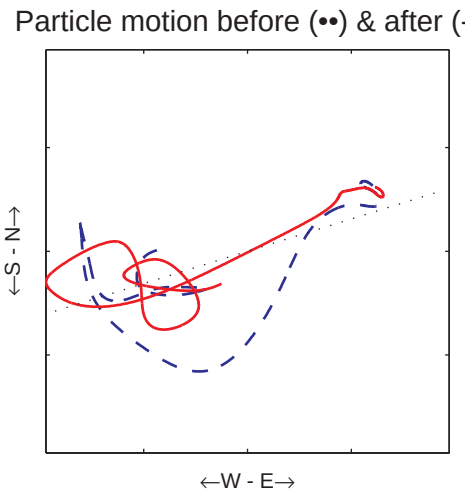


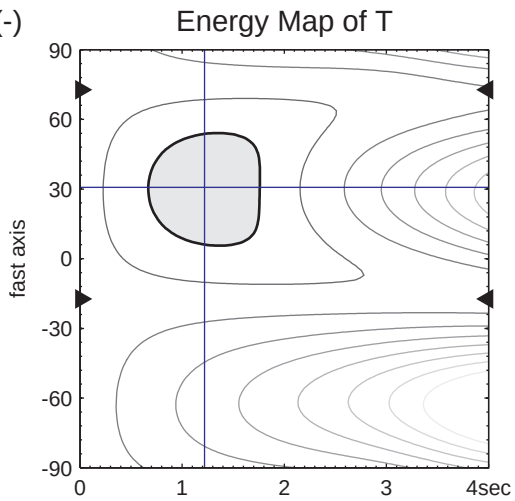


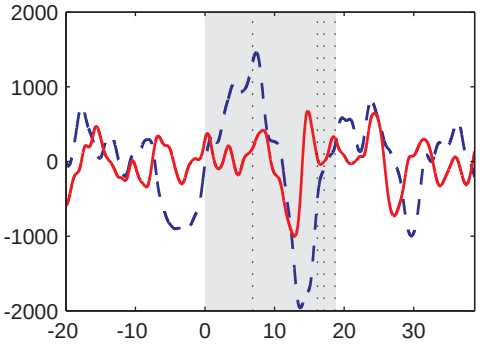








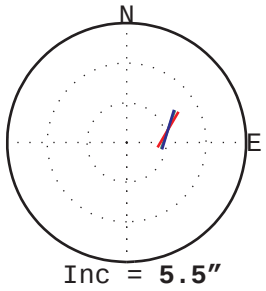


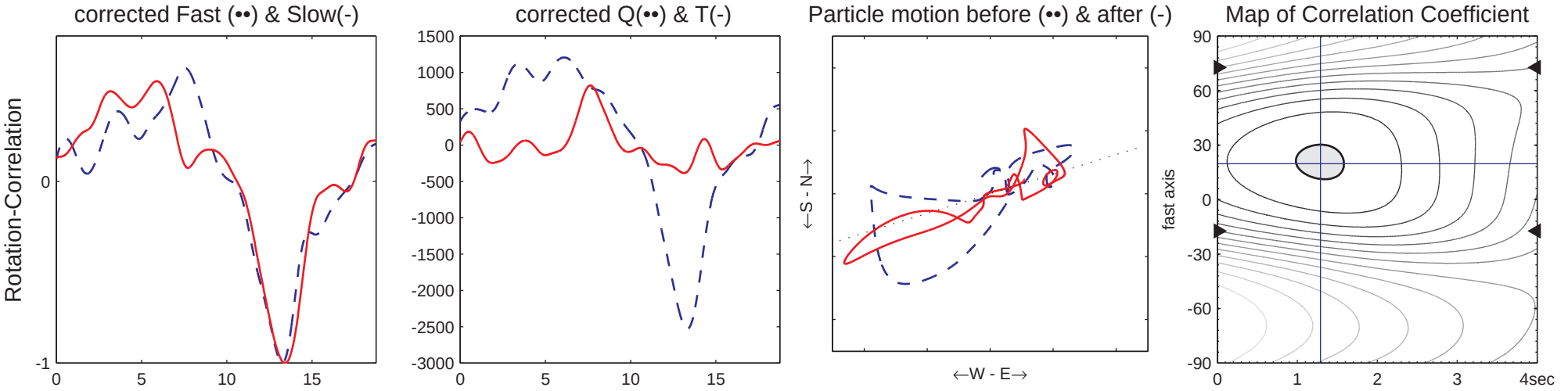


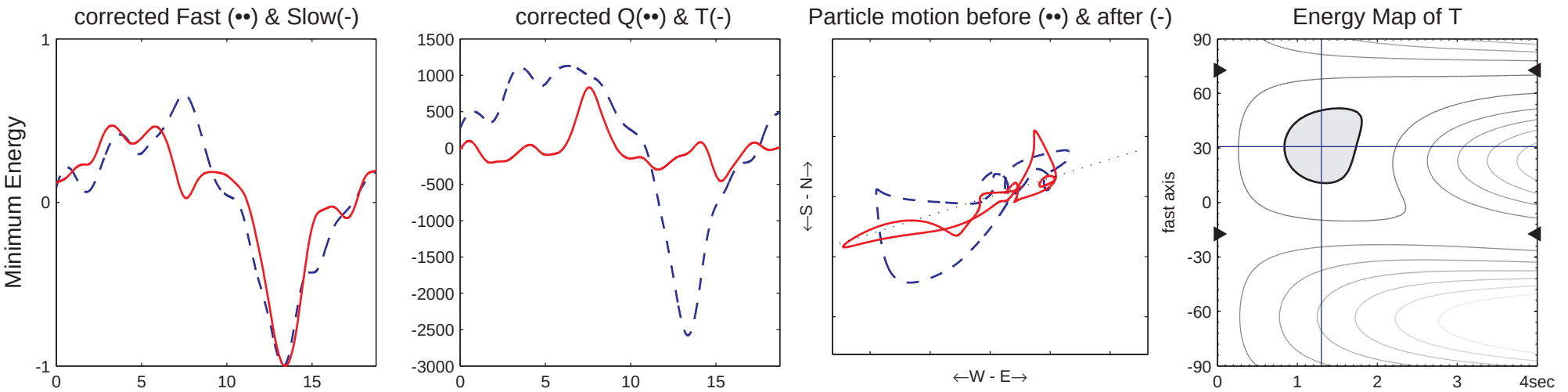
Event: **25-Jul-2012 (207) 11:20 -9.69N 159.73E 20km Mw=6.4**
Station: **KDHN** Backazimuth: **72.7”** Distance: **125.14”**
init.Pol.: **244.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

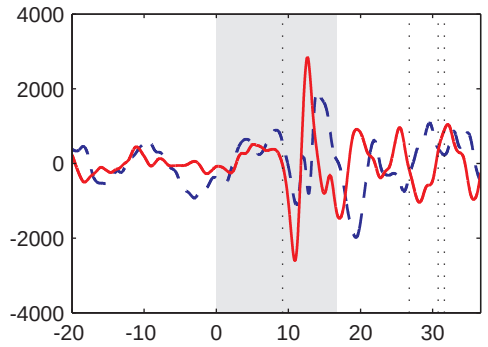
Rotation Correlation:	12<	20° <	31	1.0<1.3s<1.6
Minimum Energy:	11<	31° <	52	0.8<1.3s<1.8
Eigenvalue:	-3<	17° <	39	0.9<1.3s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





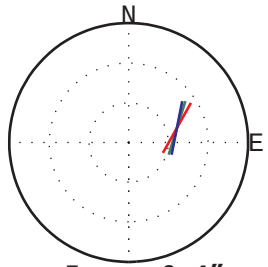


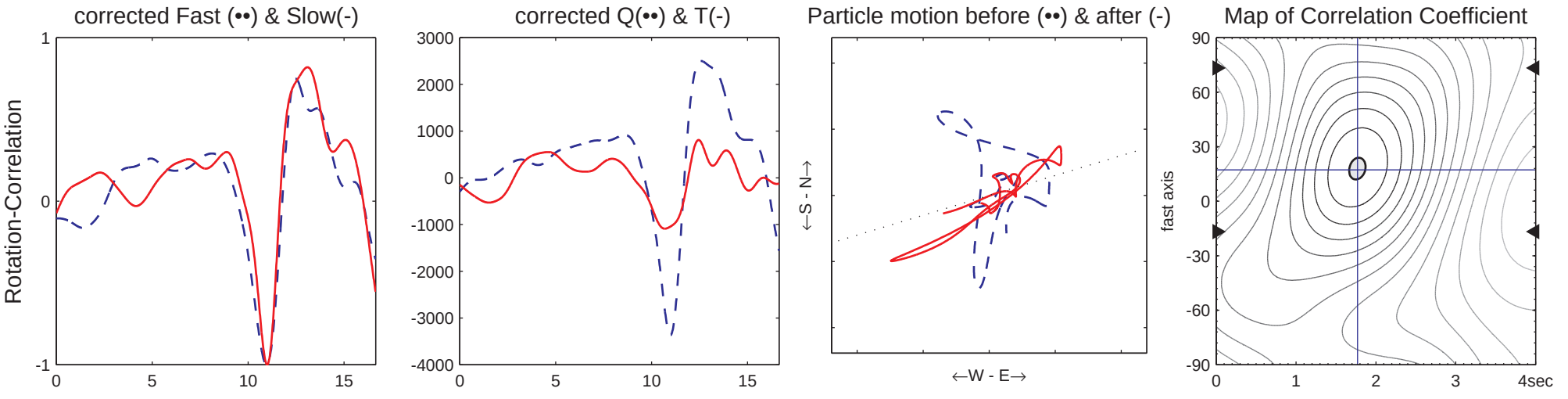


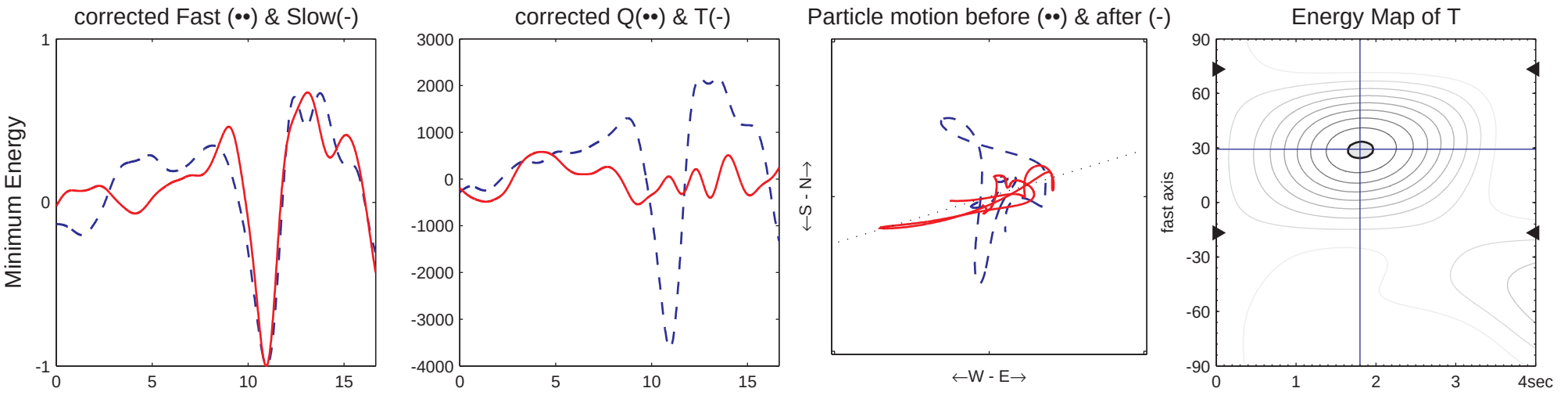
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **KDHN** Backazimuth: **73.3”** Distance: **116.92”**
init.Pol.: **226.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.6**

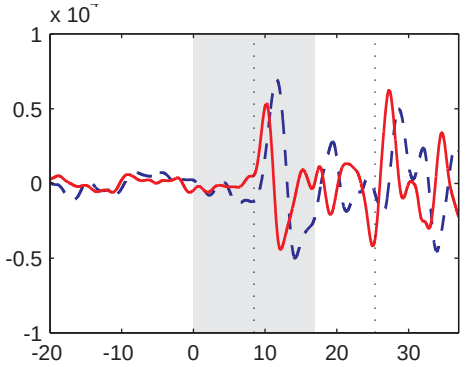
Rotation Correlation:	12<	17° <	24	1.7<1.8s<1.9
Minimum Energy:	25<	29° <	33	1.6<1.8s<2.0
Eigenvalue:	3<	11° <	19	1.6<1.7s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





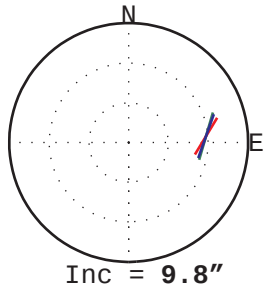


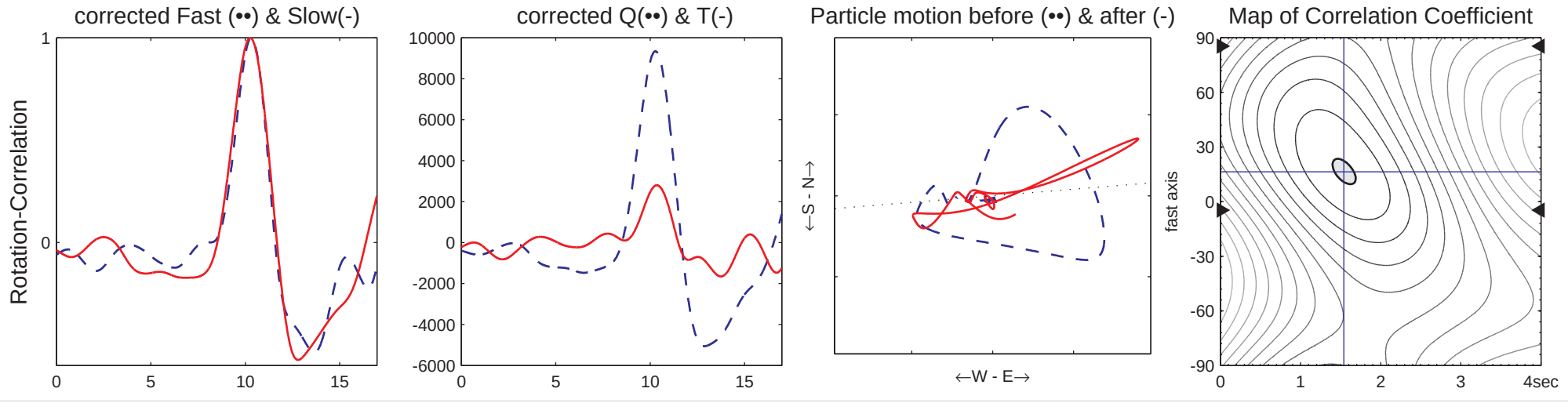


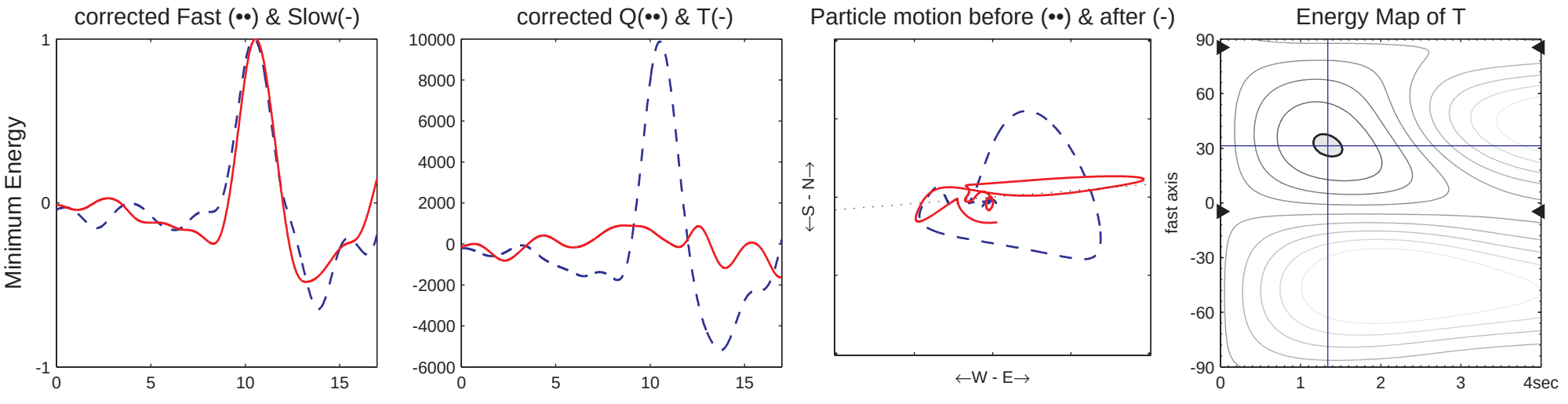
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **KDHN** Backazimuth: **85.3”** Distance: **92.32”**
init.Pol.: **253.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.3**

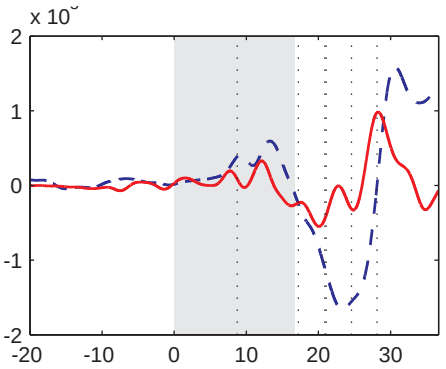
Rotation Correlation:	10<	16° <	24	1.4<1.5s<1.7
Minimum Energy:	25<	31° <	37	1.2<1.3s<1.5
Eigenvalue:	11<	19° <	27	1.3<1.5s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





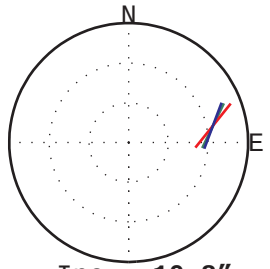




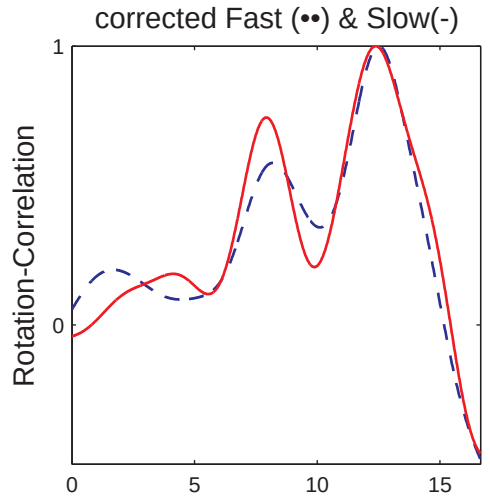
Event: **31-Aug-2012 (244) 12:47 10.81N 126.64E 28km Mw=7.6**
Station: **KDHN** Backazimuth: **78.7”** Distance: **86.78”**
init.Pol.: **243.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

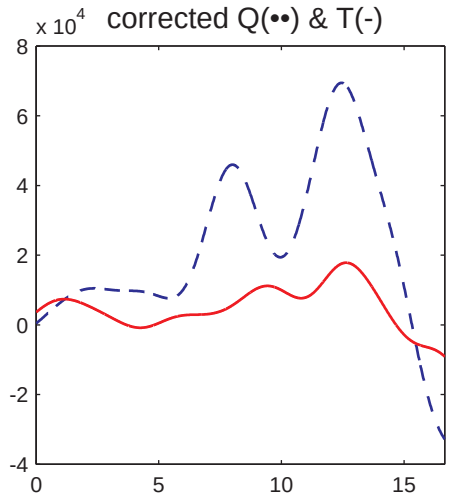
Rotation Correlation:	19<	26° <	34	1.3<1.6s<1.8
Minimum Energy:	25<	39° <	50	1.3<1.8s<2.2
Eigenvalue:	13<	21° <	29	1.4<1.5s<1.7

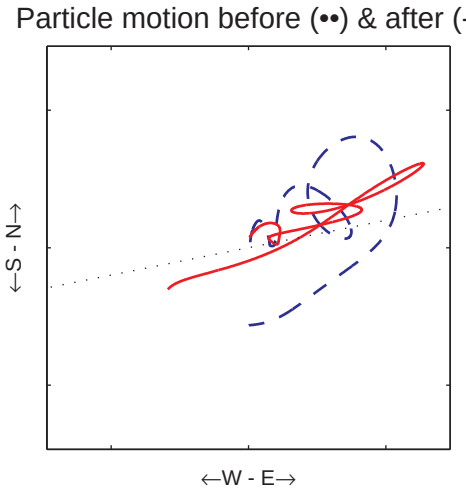
Quality: **fair** IsNull: **No** Phase: **SKS**

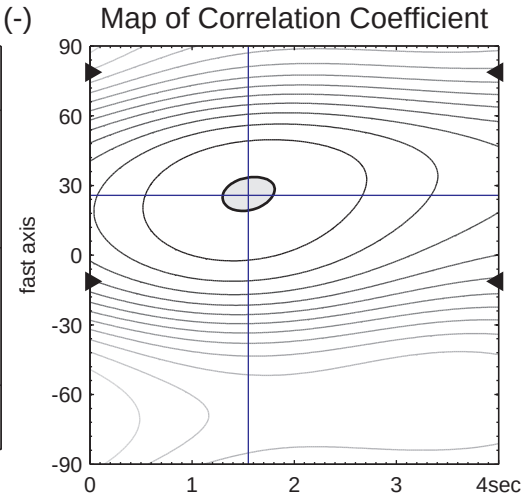


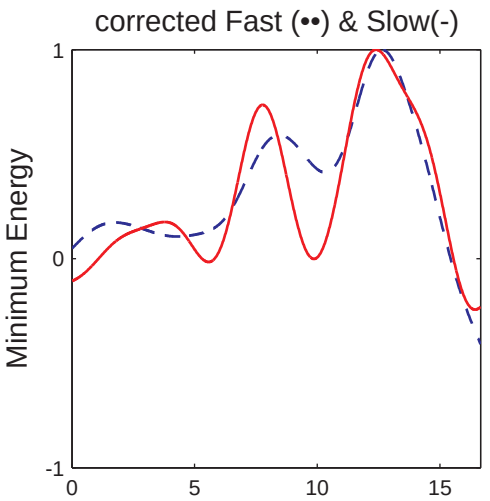
Inc = **10.8”**

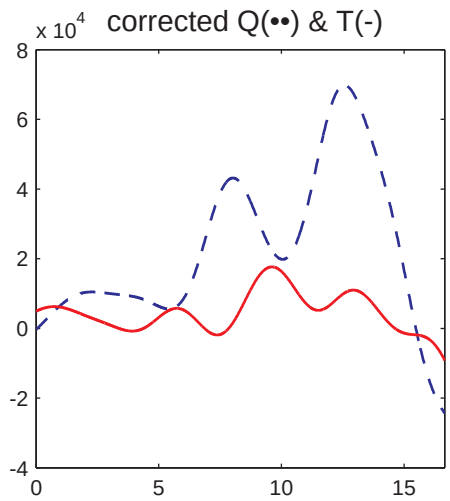


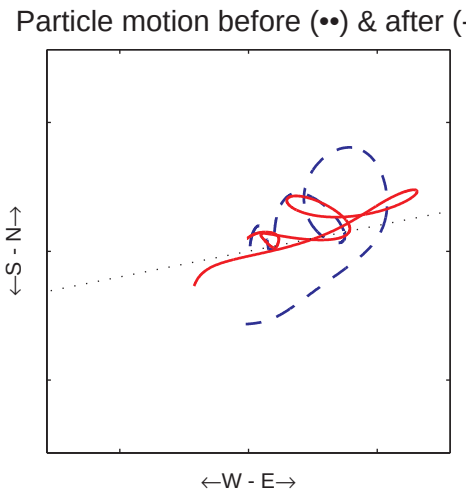


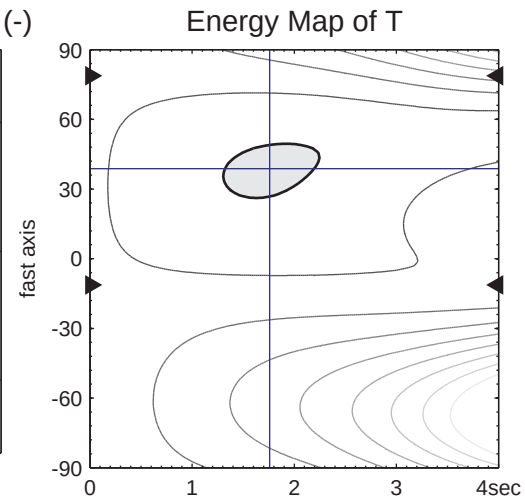


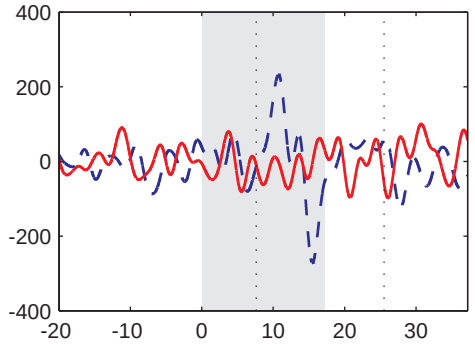








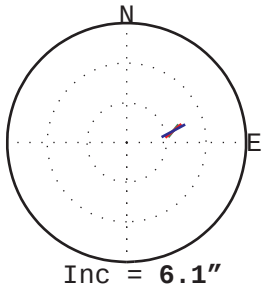


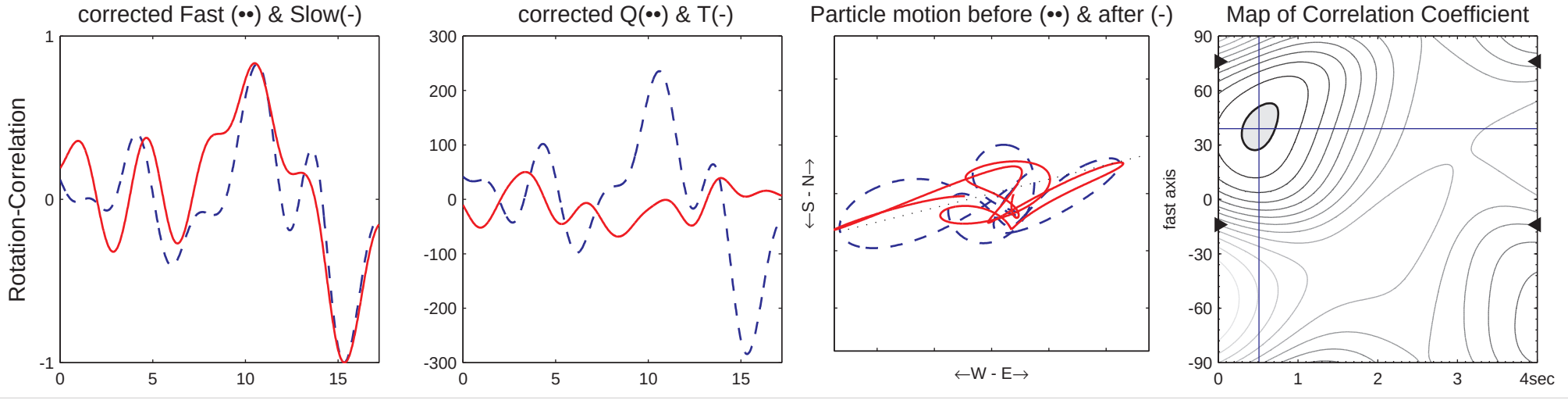


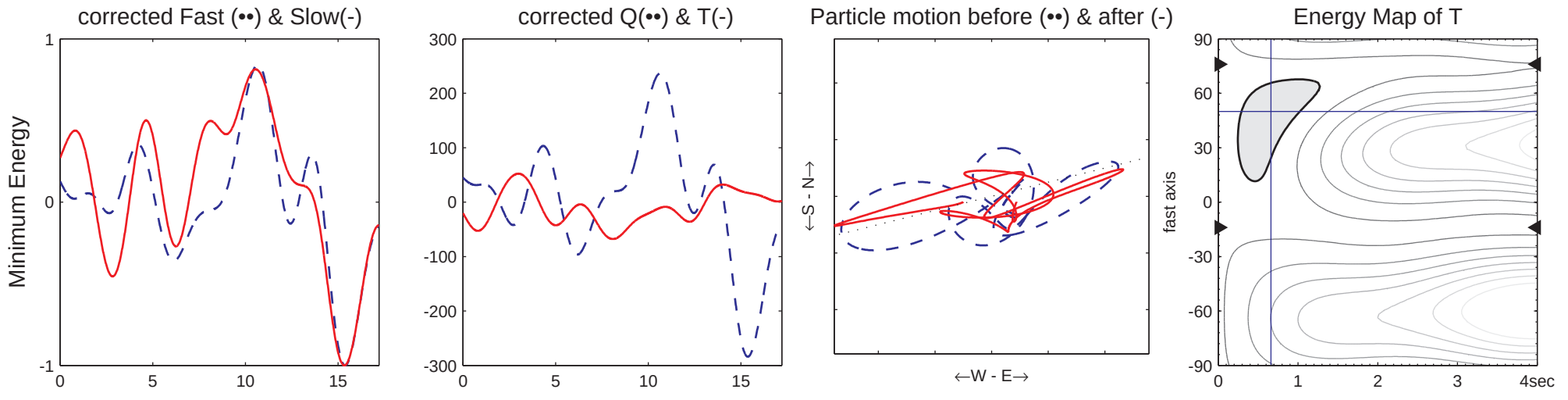
Event: **07-Feb-2011 (038) 19:53 -7.15N 155.18E 415km Mw=6.4**
Station: **KERG** Backazimuth: **76.0”** Distance: **118.83”**
init.Pol.: **264.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.6**

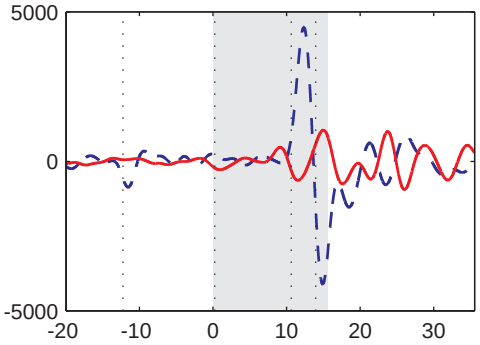
Rotation Correlation:	27<	39° <	53	0.3<0.5s<0.8
Minimum Energy:	11<	50° <	68	0.2<0.7s<1.3
Eigenvalue:	33<	62° <	76	0.4<0.8s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





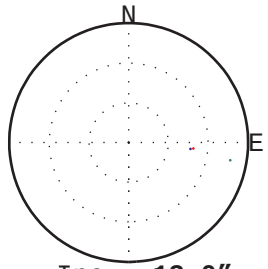




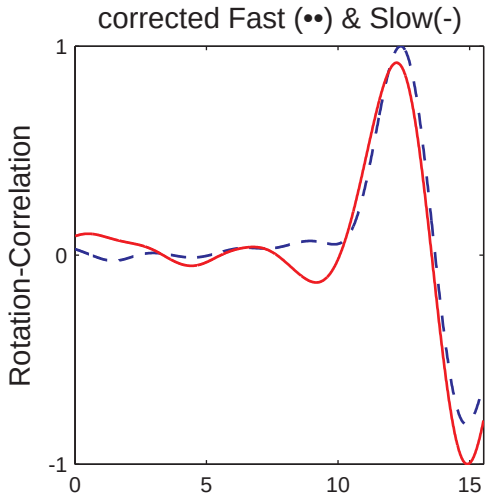
Event: **10-Mar-2011 (069) 17:08 -6.87N 116.72E 510km Mw=6.5**
Station: **KERG** Backazimuth: **100.0”** Distance: **88.34”**
init.Pol.: **276.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.5**

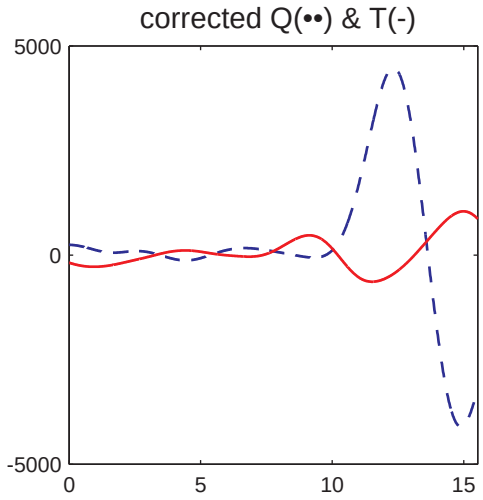
Rotation Correlation:	50<	65° <	82	0.0<0.0s<0.1
Minimum Energy:	-78<	-72° <	-74	1.9<2.4s<2.9
Eigenvalue:	-82<	-74° <	19	0.1<2.6s<2.9

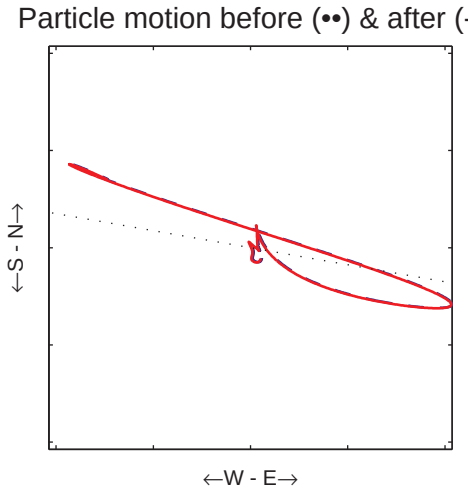
Quality: **good** IsNull: **Yes** Phase: **SKKS**

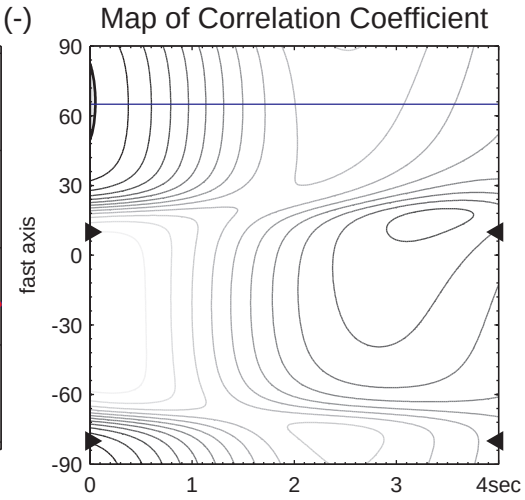


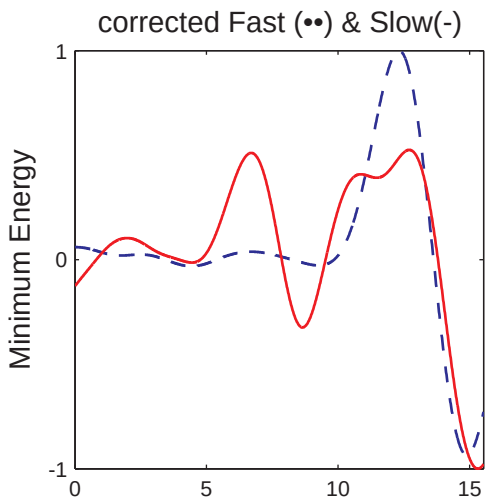
Inc = **13.0”**

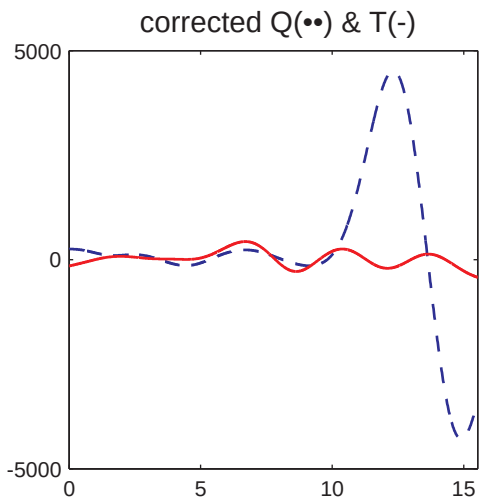


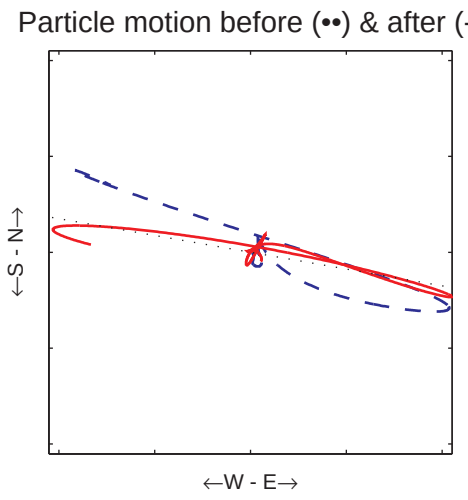


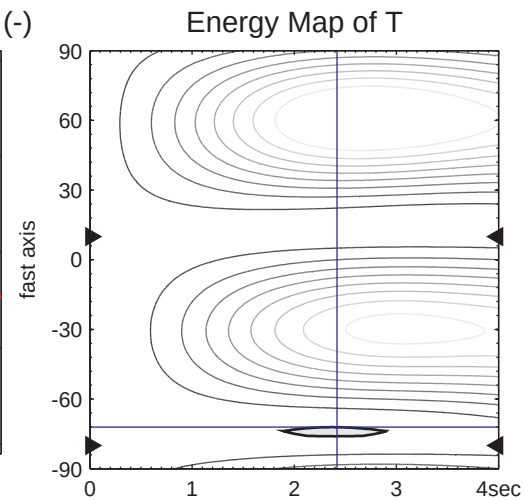


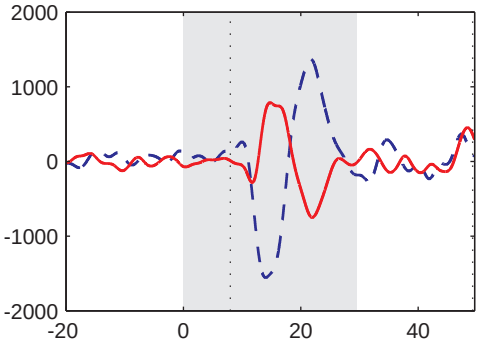








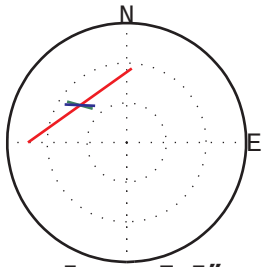


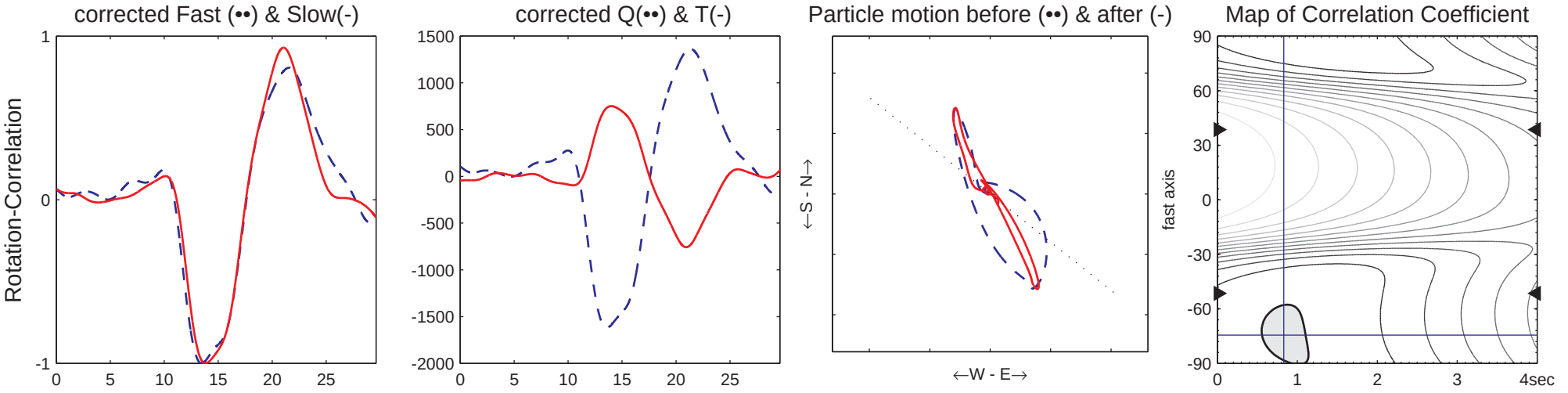


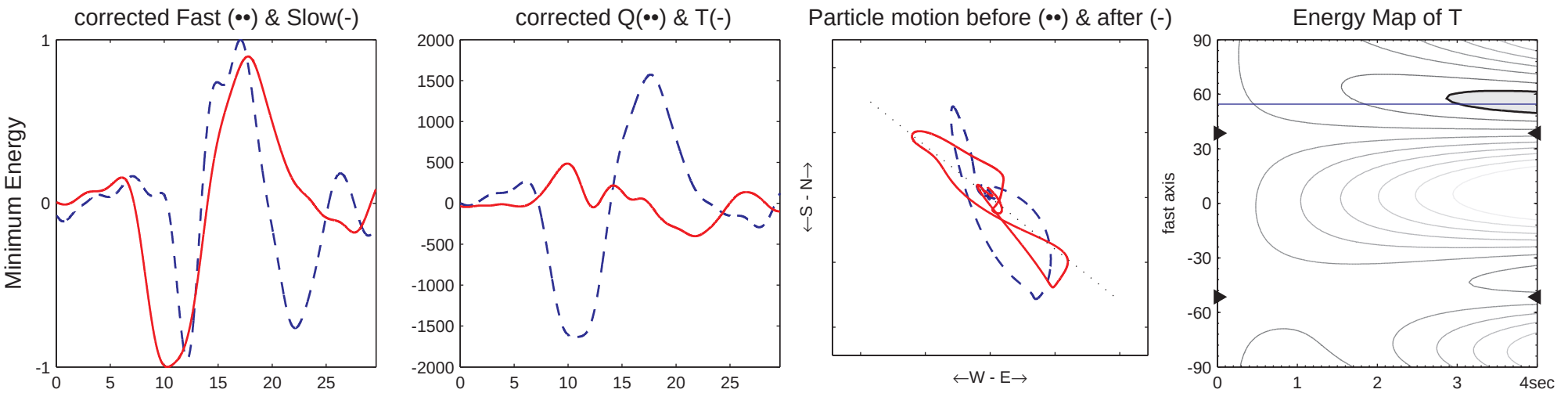
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **KERG** Backazimuth: **308.5”** Distance: **106.99”**
init.Pol.: **151.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

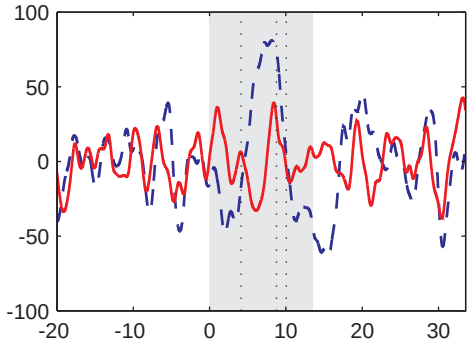
Rotation Correlation:	-91<	-74° <	-59	0.6<0.8s<1.1
Minimum Energy:	50<	55° <	62	2.9<4.0s<4.0
Eigenvalue:	76<	-87° <	-58	0.6<1.0s<1.8

Quality: **good** IsNull: **Yes** Phase: **SKS**





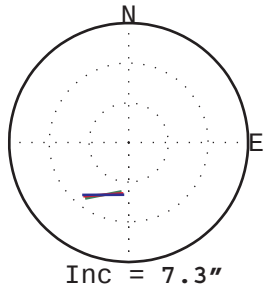


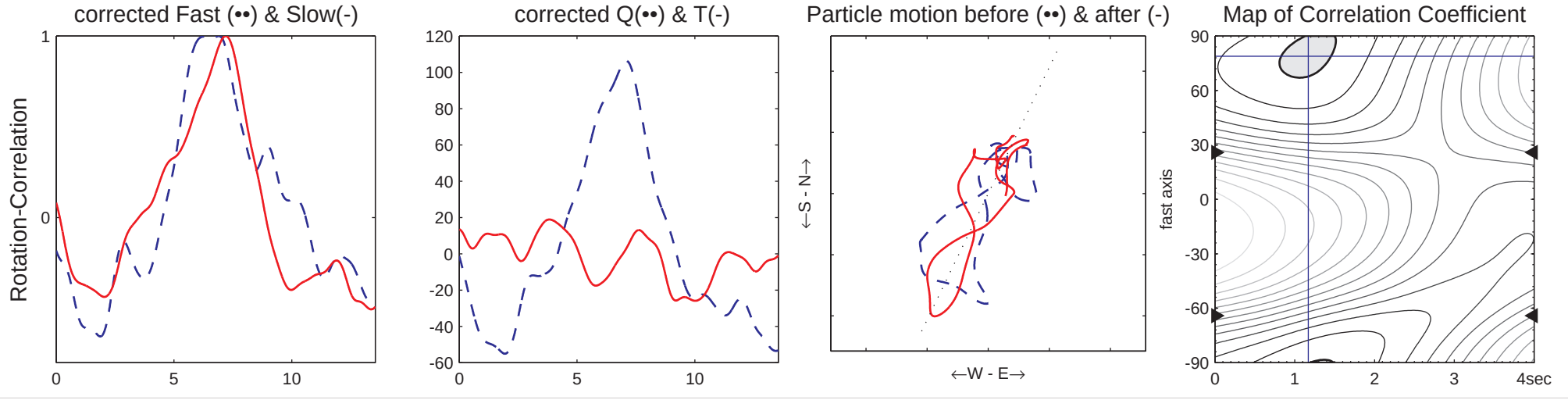


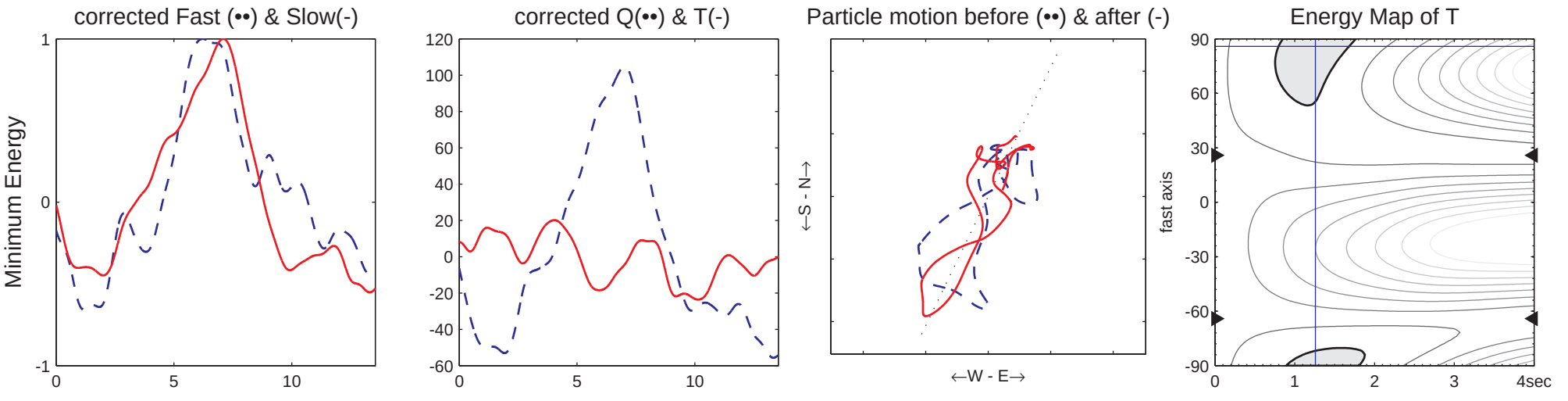
Event: **15-Jul-2011 (196) 13:26 -60.76N -23.52E 10km Mw=6.1**
Station: **KERG** Backazimuth: **205.8”** Distance: **108.82”**
init.Pol.: **28.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

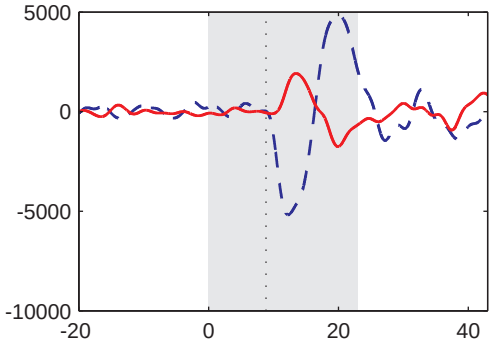
Rotation Correlation:	67<	79° < -89	0.8<1.2s<1.5
Minimum Energy:	54<	86° < -82	0.8<1.3s<1.9
Eigenvalue:	52<	90° < -76	0.8<1.3s<2.1

Quality: **fair** IsNull: **No** Phase: **SKS**





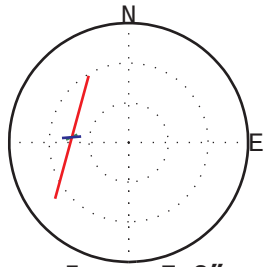




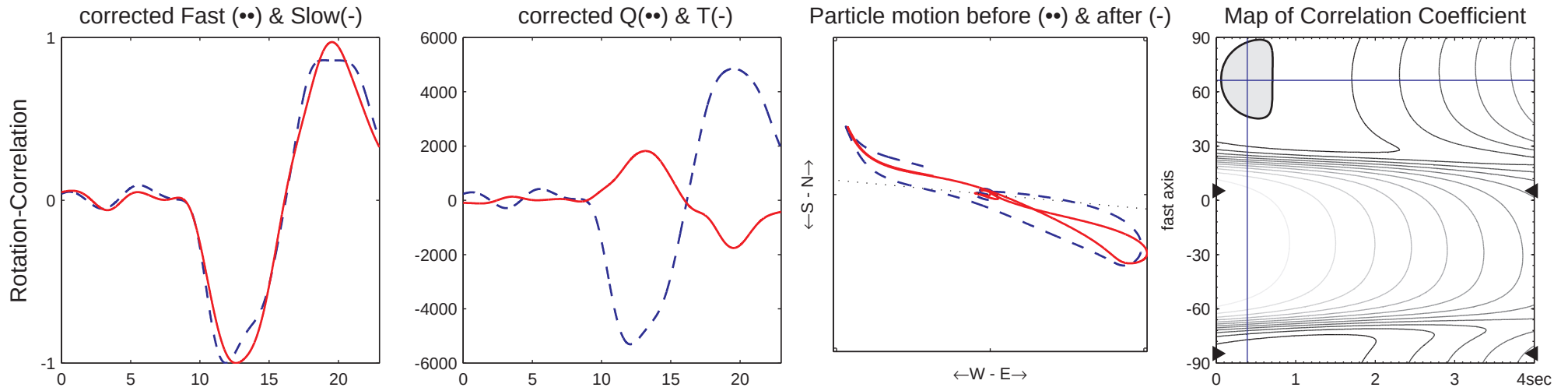
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **KERG** Backazimuth: **275.3”** Distance: **109.42”**
init.Pol.: **111.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.2**

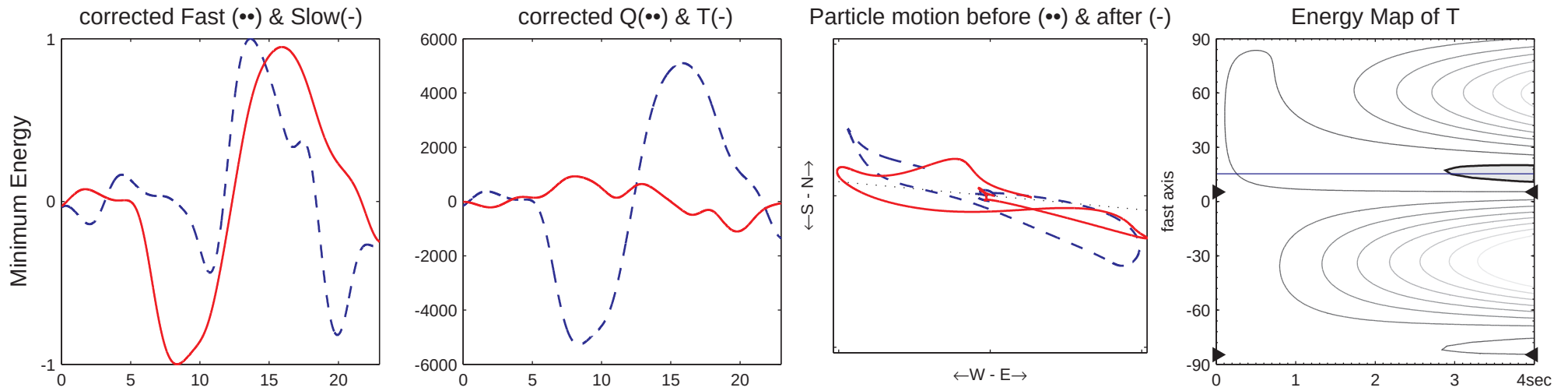
Rotation Correlation:	45<	66° <	89	0.1<0.4s<0.7
Minimum Energy:	11<	15° <	19	2.9<4.0s<4.0
Eigenvalue:	25<	85° <	-78	0.3<0.6s<2.5

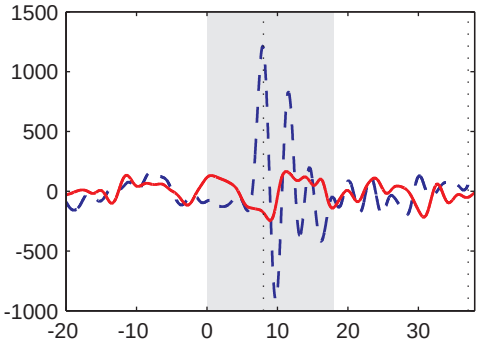
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.2”**



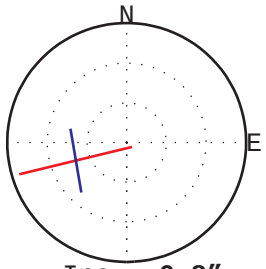


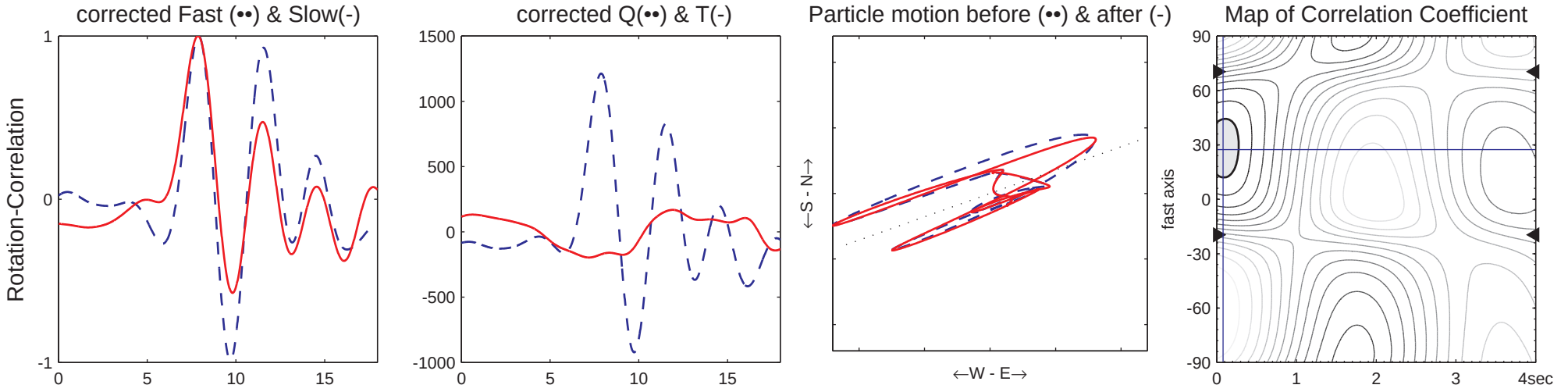


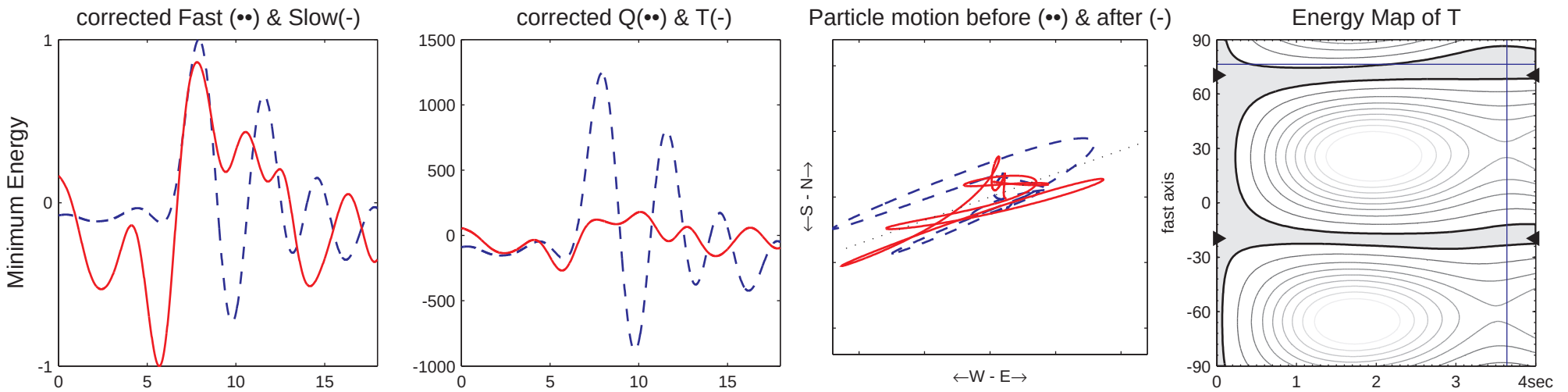
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km Mw=6.7**
Station: **KERG** Backazimuth: **250.4”** Distance: **112.08”**
init.Pol.: **92.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

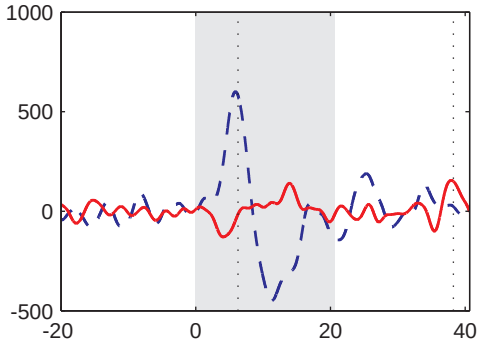
Rotation Correlation:	12<	27° <	45	0.0<0.1s<0.3
Minimum Energy:	-Inf<	76° <	Inf	0.0<3.6s<Inf
Eigenvalue:	-23<	-10° <	1	1.3<2.0s<3.1

Quality: **good** IsNull: **Yes** Phase: **SKS**



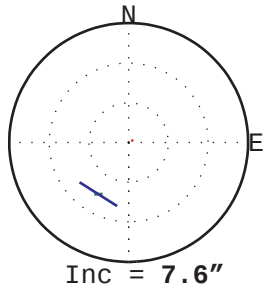


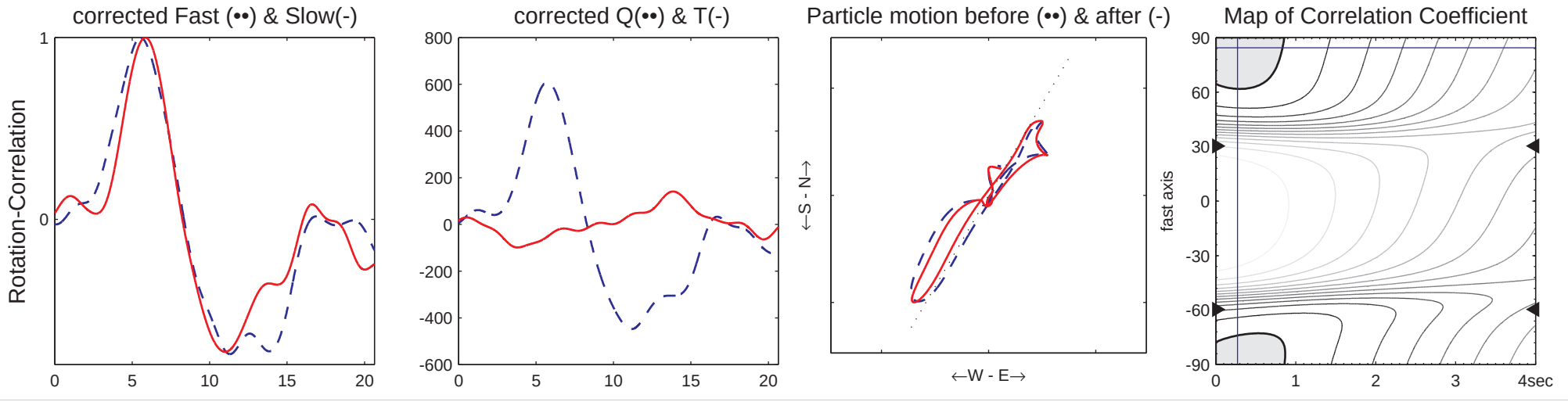


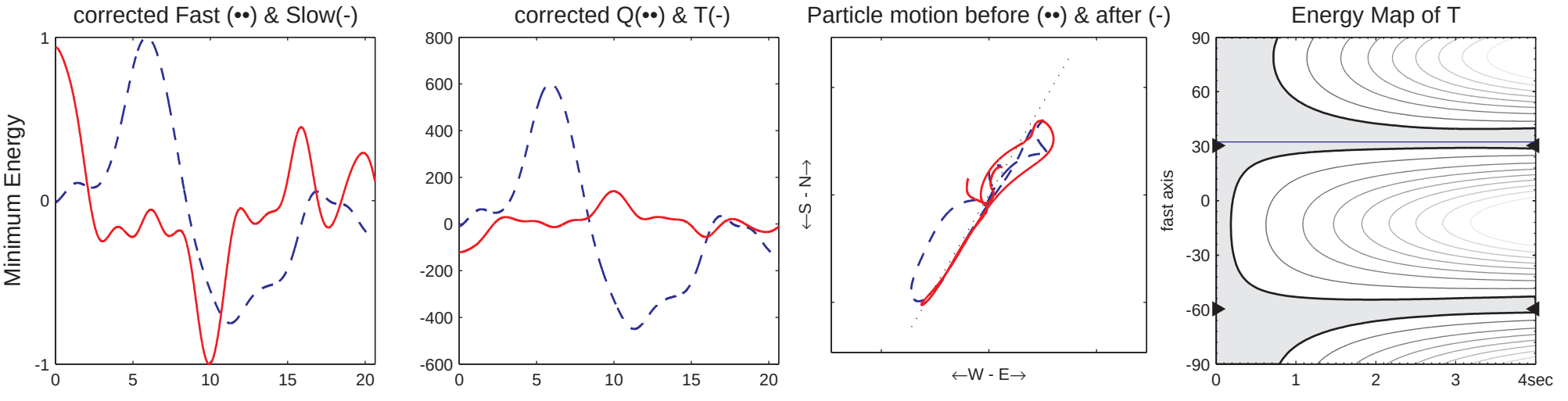


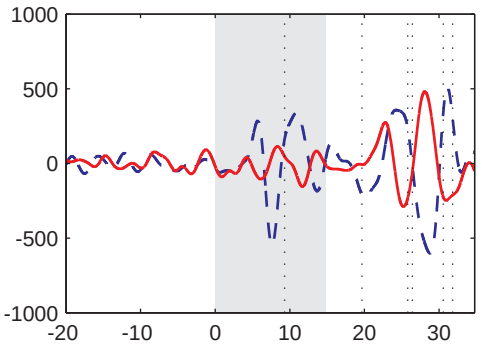
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **KERG** Backazimuth: **210.4”** Distance: **107.06”**
init.Pol.: **39.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

Rotation Correlation:	62<	84° < -74		0.0<0.3s<0.9
Minimum Energy:	-Inf<	32° < Inf		0.0<4.0s<Inf
Eigenvalue:	-Inf<	-58° < Inf		0.0<1.4s<Inf
Quality: **good**	IsNull: **Yes**		Phase: **SKS**	





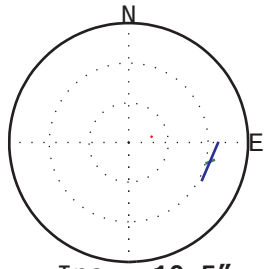




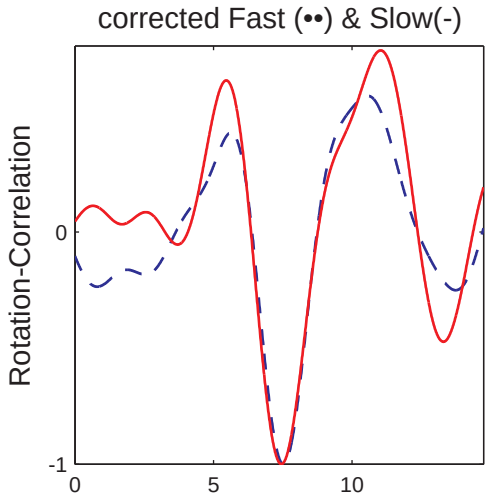
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **KERG** Backazimuth: **103.2”** Distance: **88.21”**
init.Pol.: **281.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.0**

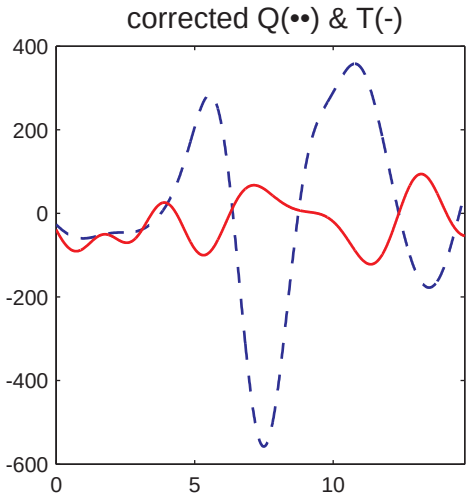
Rotation Correlation:	50<	68° <	87	0.1<0.3s<0.5
Minimum Energy:	-76<	-67° <	-66	3.2<4.0s<4.0
Eigenvalue:	13<	23° <	-62	0.2<1.3s<2.0

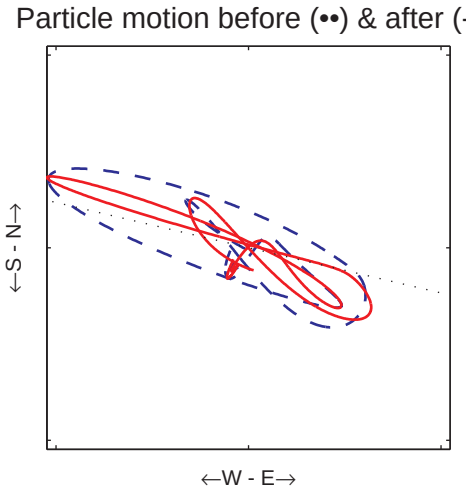
Quality: **good** IsNull: **Yes** Phase: **SKS**

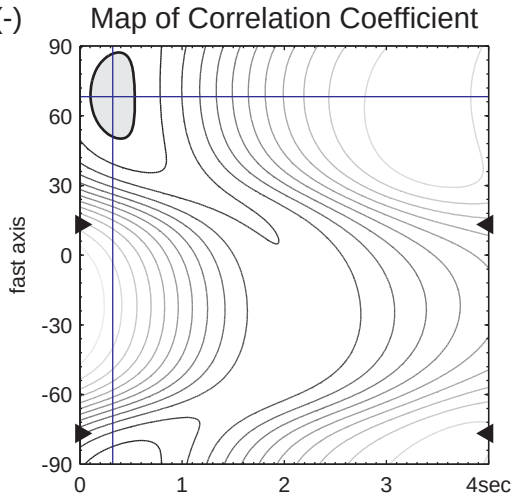


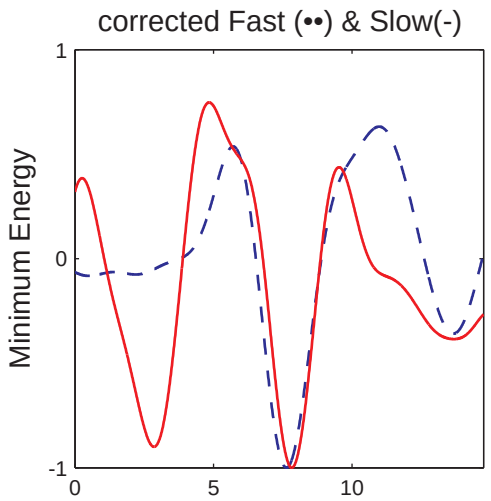
Inc = **10.5”**

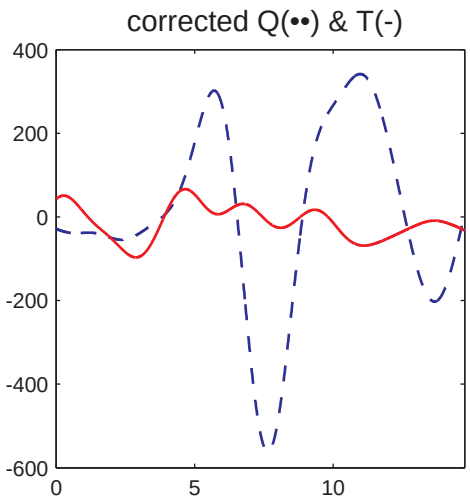


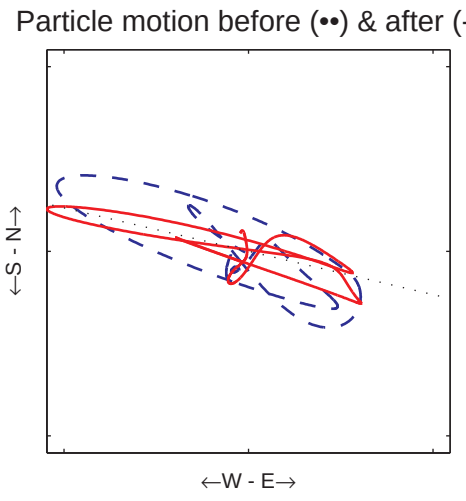


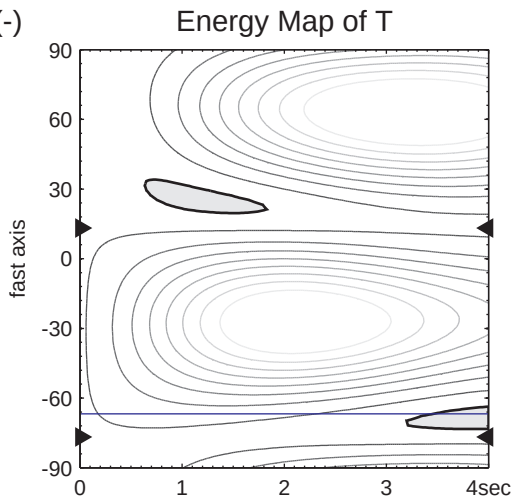


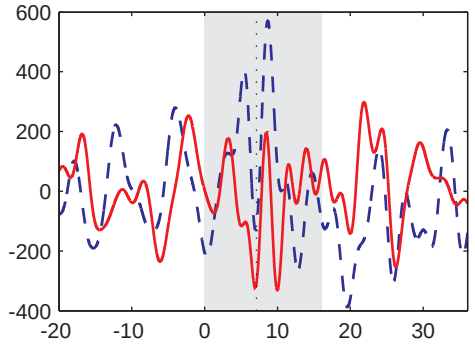








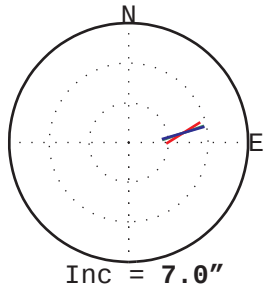


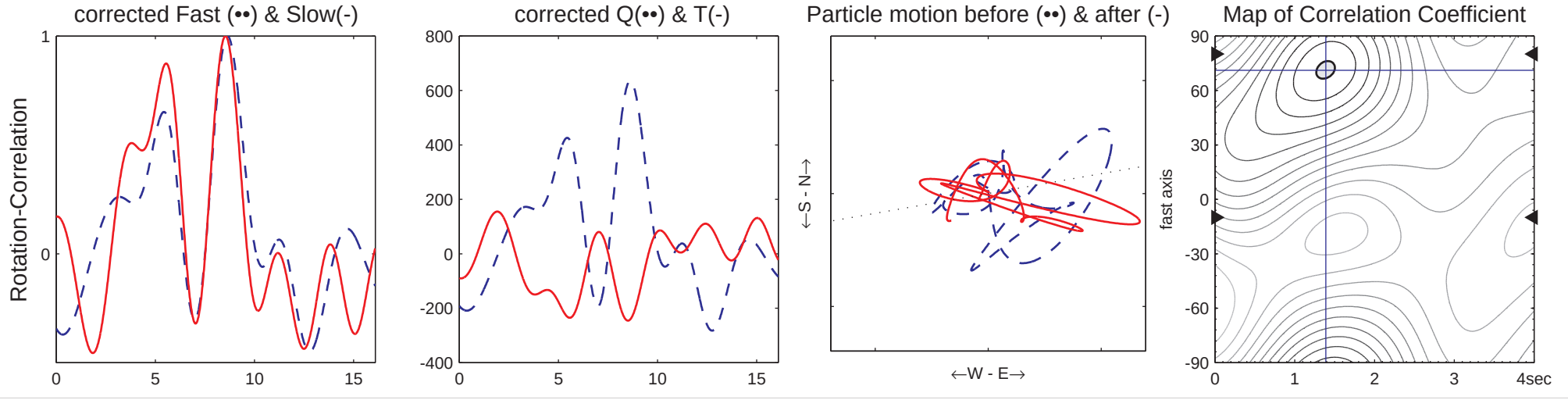


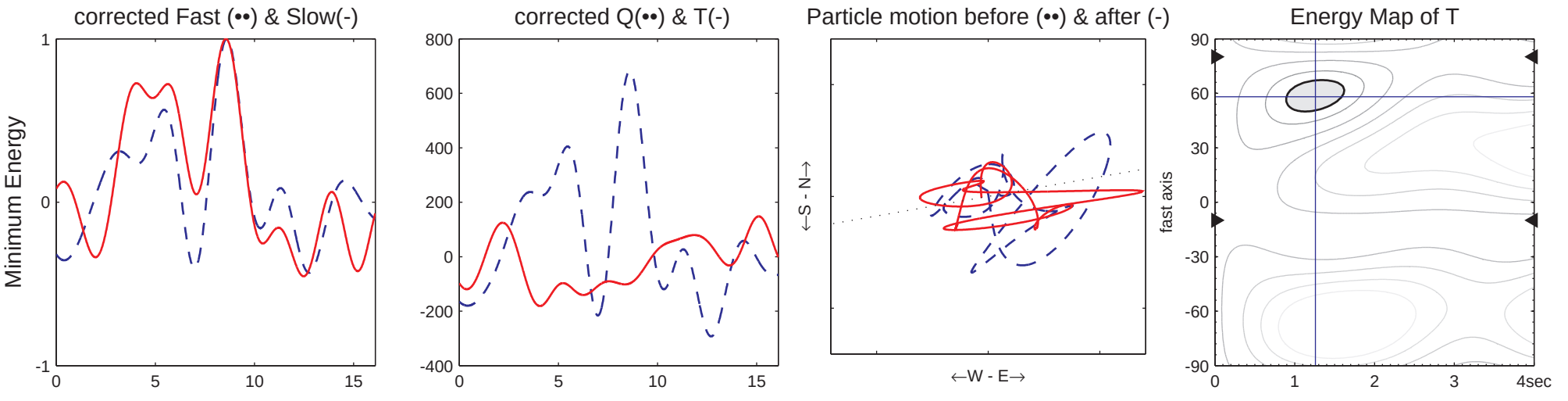
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **KERG** Backazimuth: **80.1”** Distance: **111.51”**
init.Pol.: **285.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

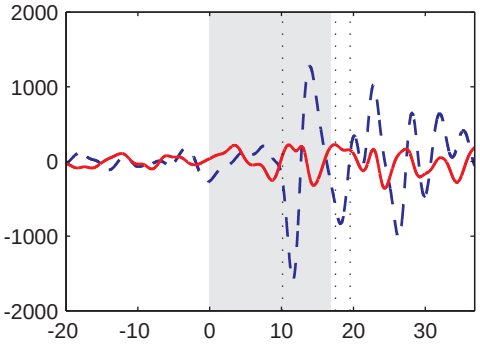
Rotation Correlation:	67<	71° <	76	1.3<1.4s<1.5
Minimum Energy:	50<	58° <	68	0.9<1.3s<1.6
Eigenvalue:	66<	74° <	84	1.2<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





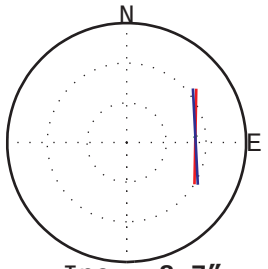




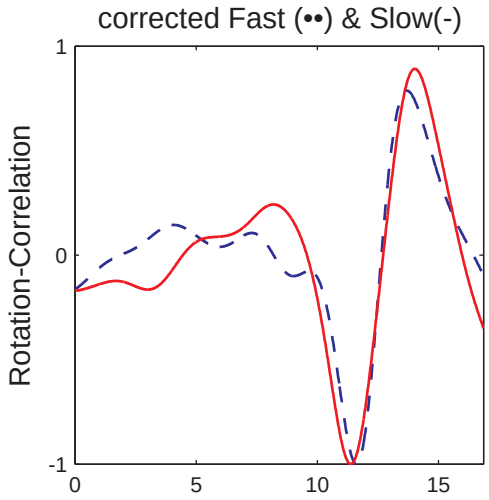
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **KERG** Backazimuth: **85.1”** Distance: **99.04”**
init.Pol.: **256.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.6**

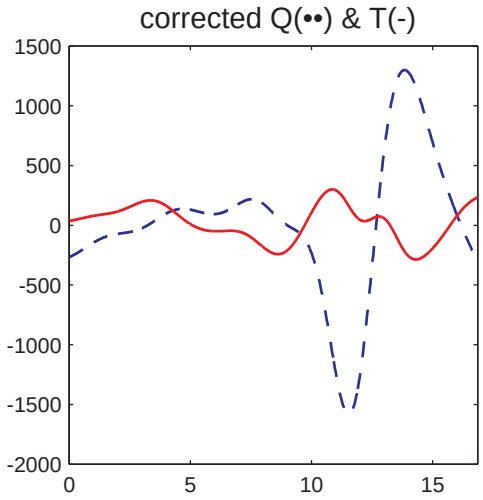
Rotation Correlation:	34<	50° <	67	0.0<0.1s<0.4
Minimum Energy:	-1<	1° <	5	2.1<3.0s<3.7
Eigenvalue:	-11<	-3° <	3	2.4<3.0s<3.5

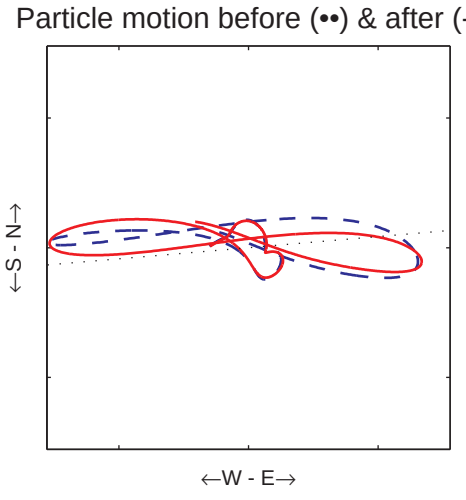
Quality: **good** IsNull: **Yes** Phase: **SKS**

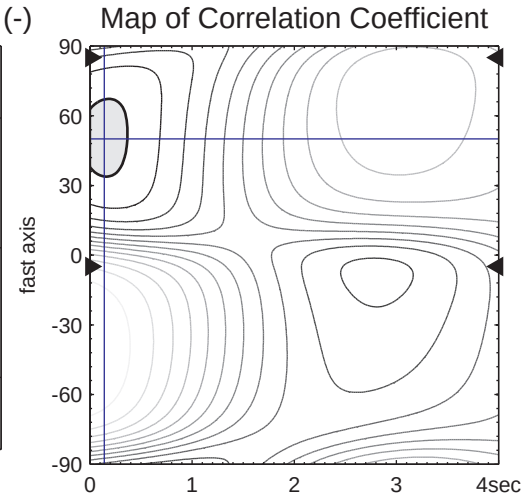


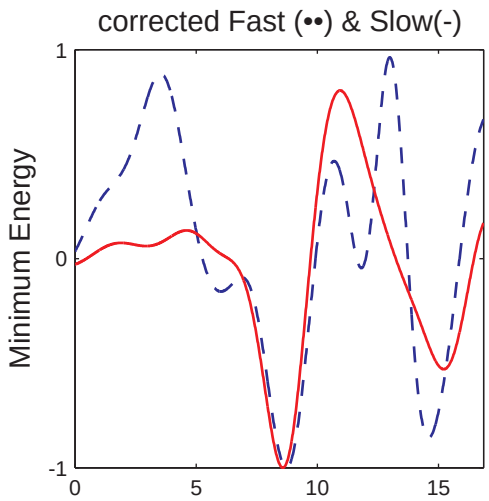
Inc = **8.7”**

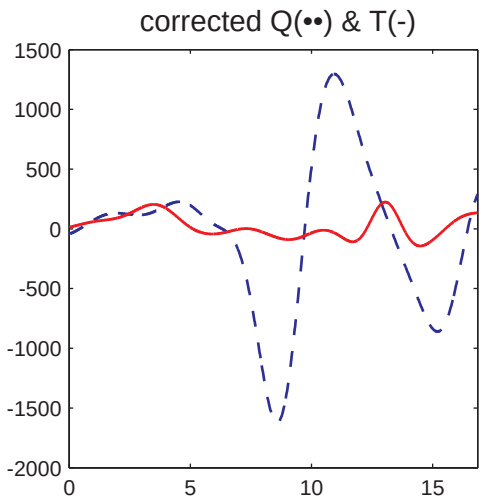


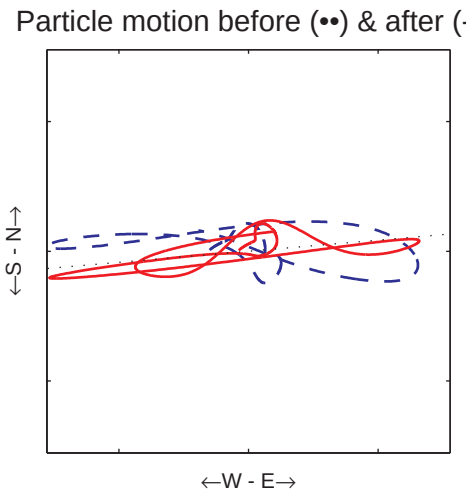


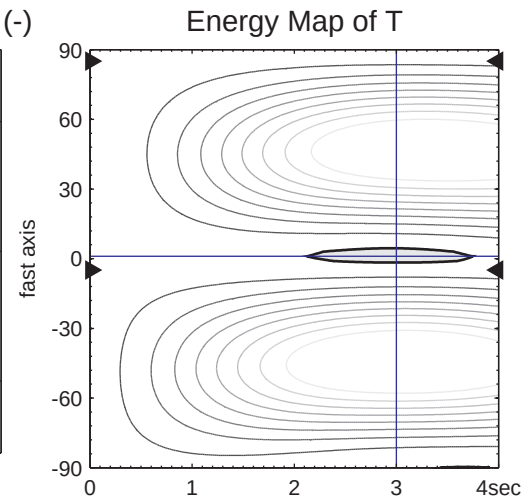


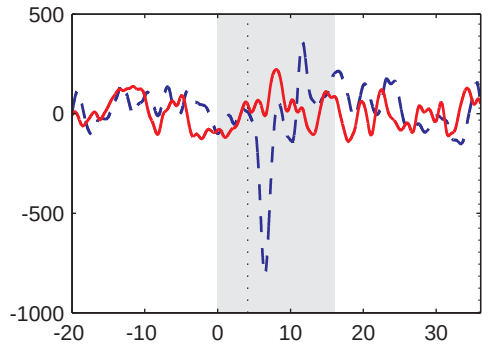








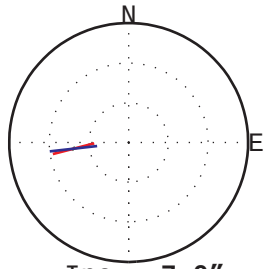


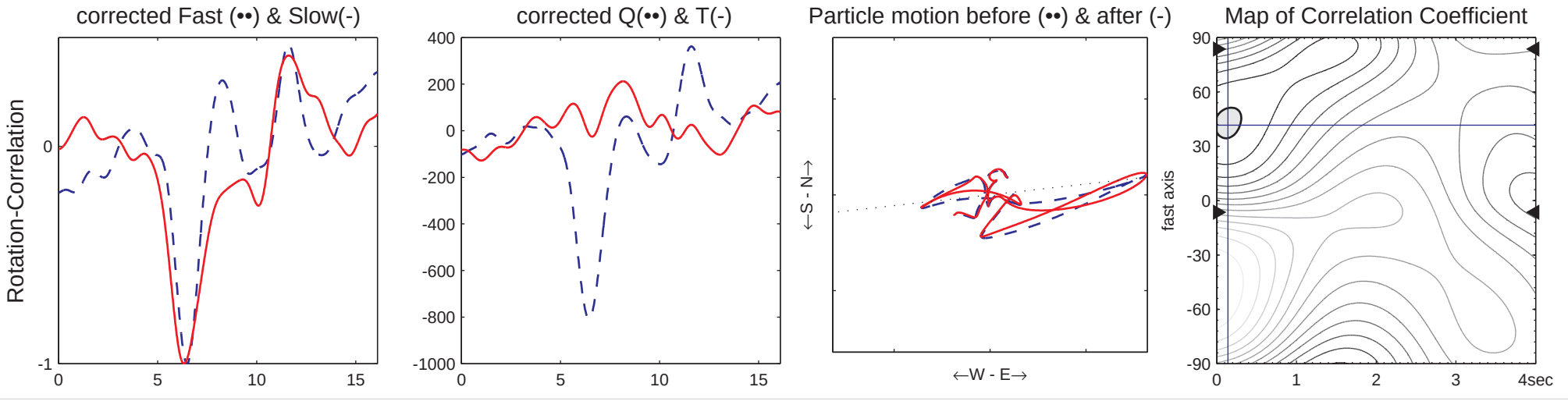


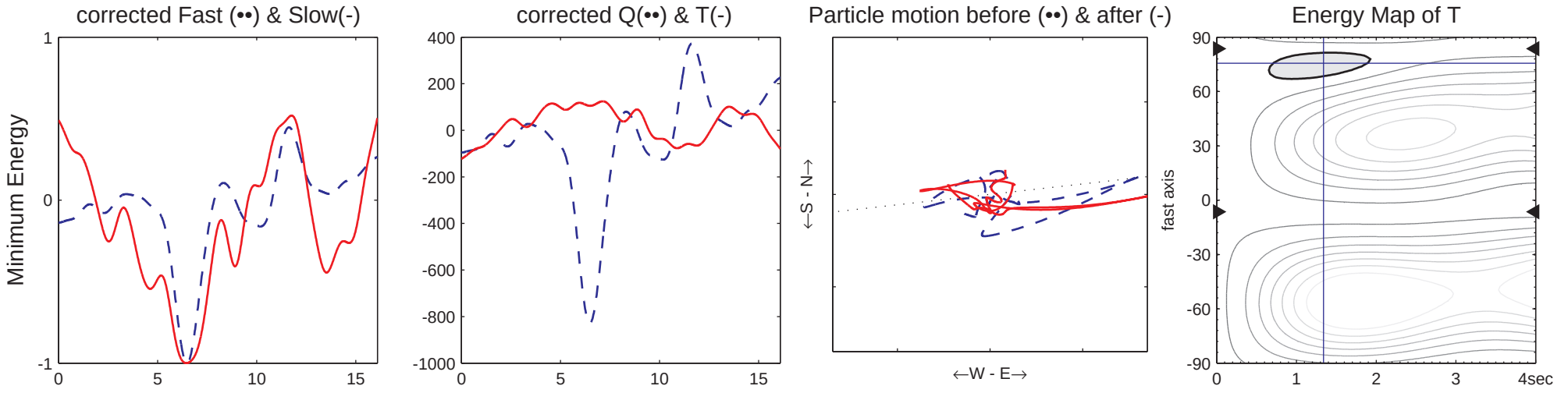
Event: **14-May-2012 (135) 10:00 -17.68N -69.59E 105km** Mw=**6.2**
Station: **KERG** Backazimuth: **263.6”** Distance: **111.34”**
init.Pol.: **98.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.0**

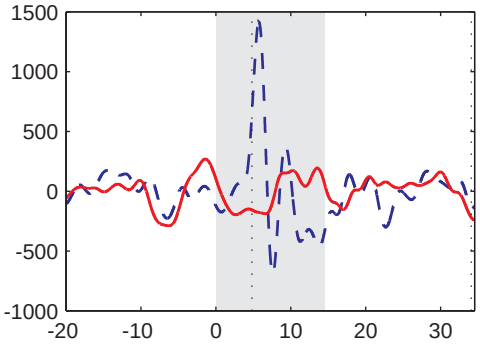
Rotation Correlation:	35<	42° <	51	0.0<0.1s<0.3
Minimum Energy:	68<	76° <	82	0.7<1.3s<1.9
Eigenvalue:	78<	84° <	-92	1.2<1.5s<1.8

Quality: **fair** IsNull: **Yes** Phase: **SKS**





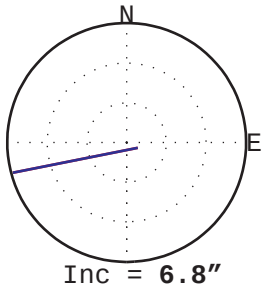


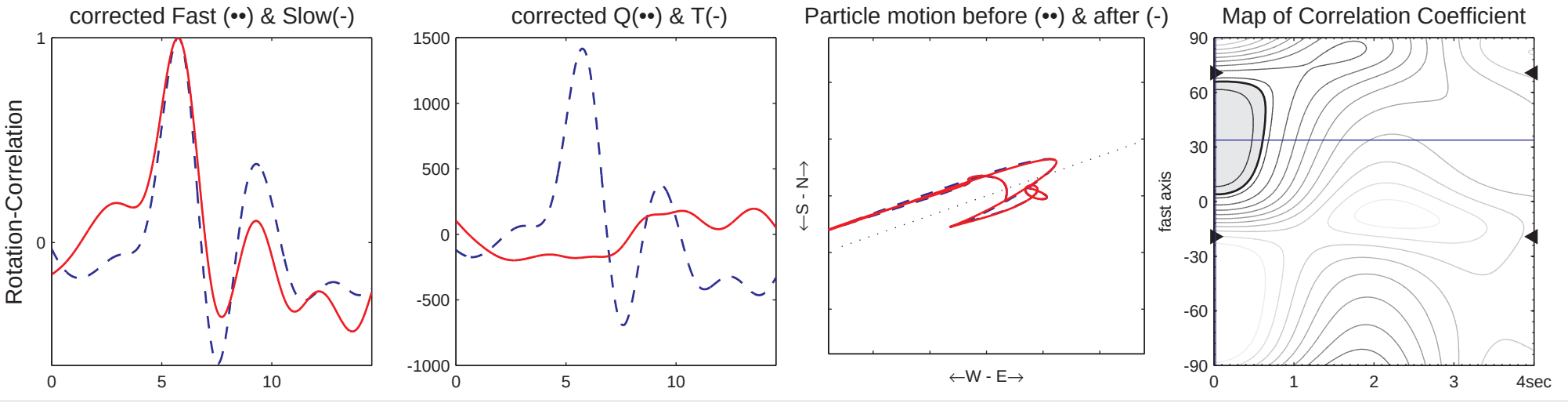


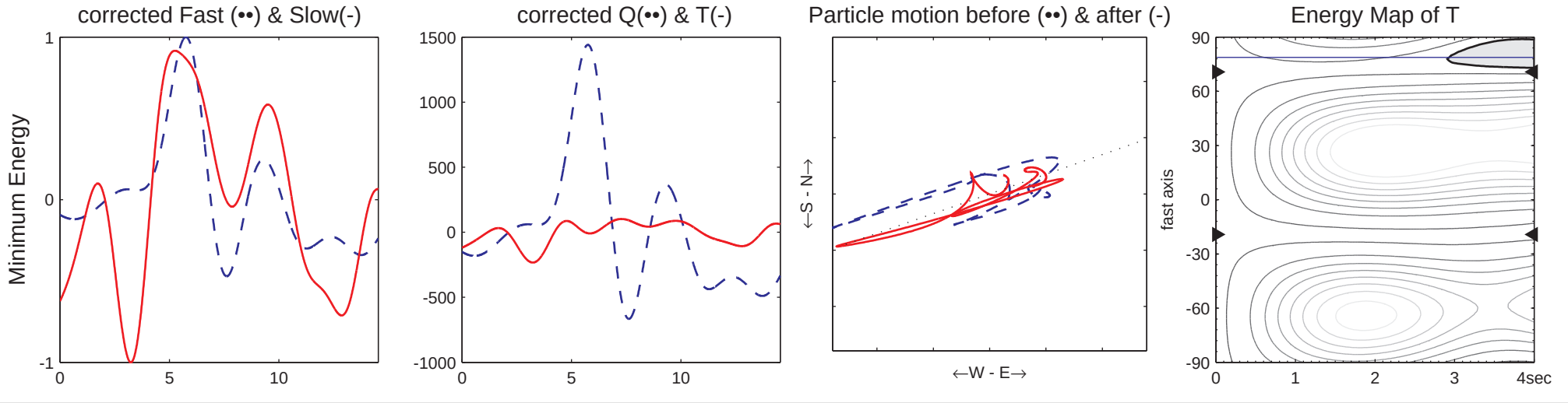
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **KERG** Backazimuth: **250.7”** Distance: **111.95”**
init.Pol.: **69.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.5**

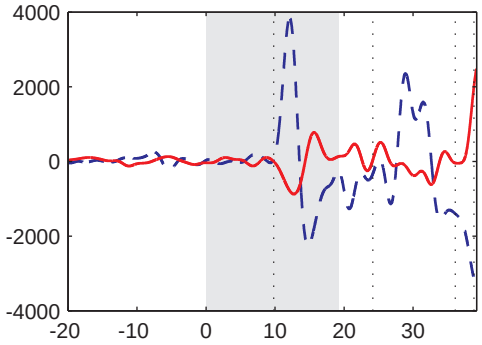
Rotation Correlation:	4<	34° <	66	0.0<0.0s<0.6
Minimum Energy:	74<	79° <	88	2.9<4.0s<4.0
Eigenvalue:	70<	79° <	-92	2.8<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





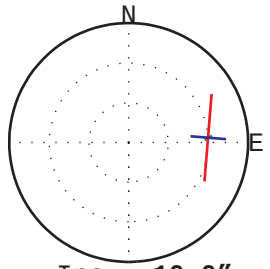




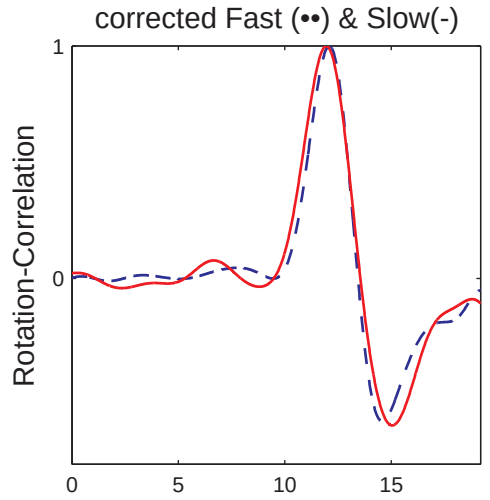
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **KERG** Backazimuth: **86.6”** Distance: **90.82”**
init.Pol.: **283.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

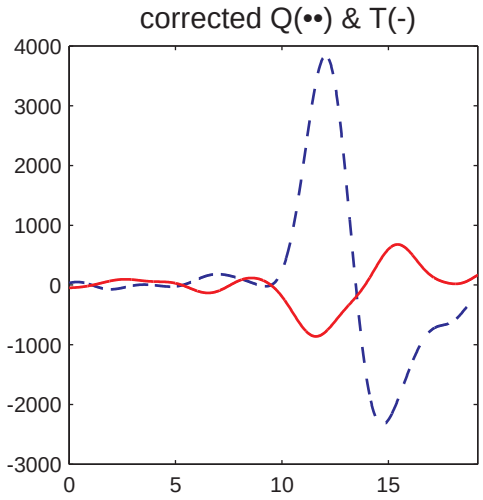
Rotation Correlation:	47<	58° <	72	0.2<0.3s<0.4
Minimum Energy:	1<	5° <	7	1.5<2.7s<3.9
Eigenvalue:	-90<	-85° <	-86	0.8<1.1s<1.4

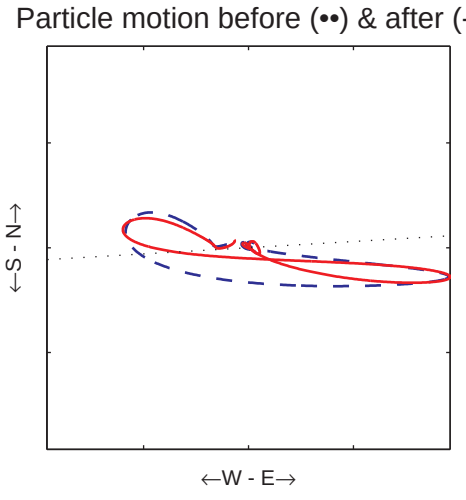
Quality: **good** IsNull: **Yes** Phase: **SKS**

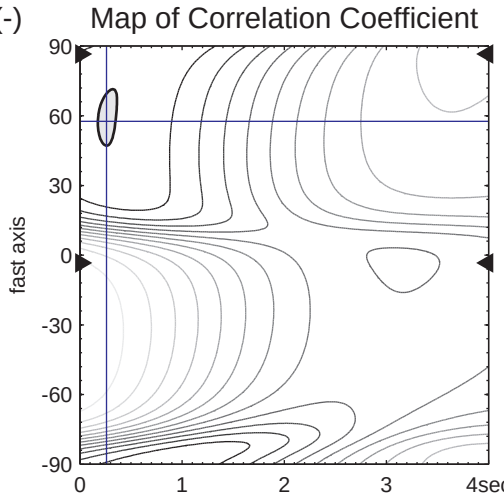


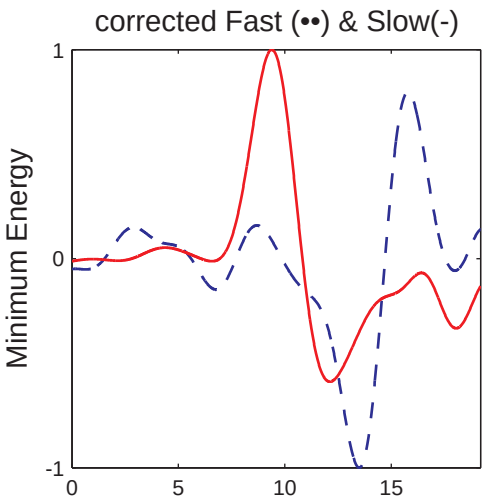
Inc = **10.0”**

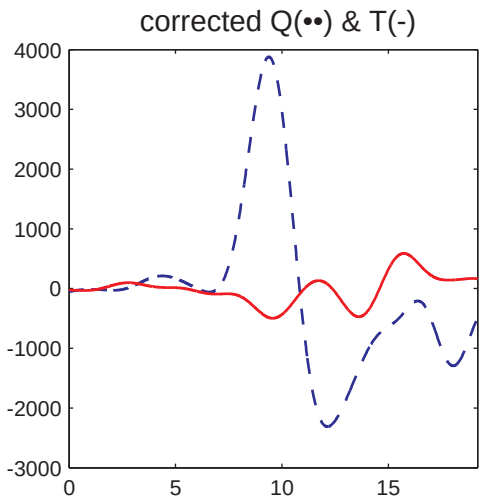


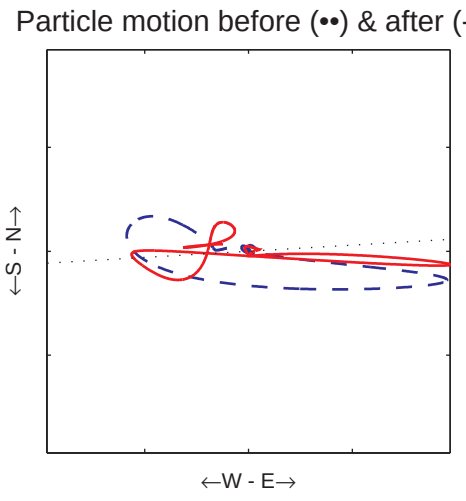


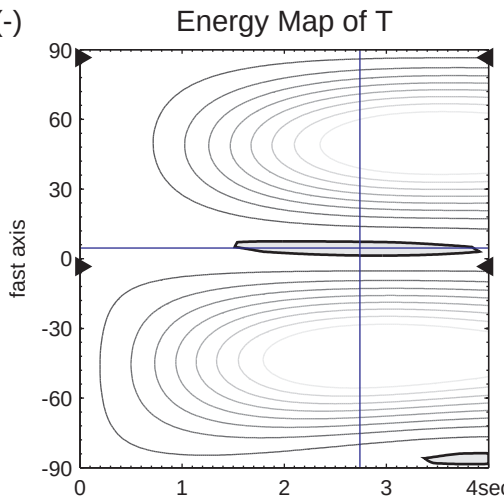


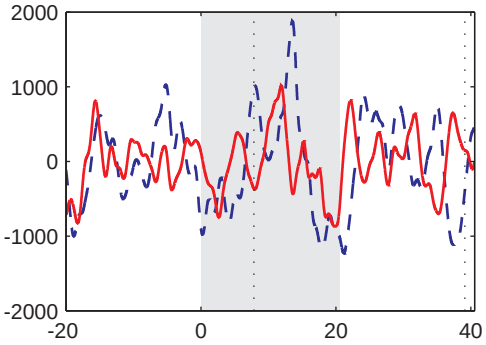








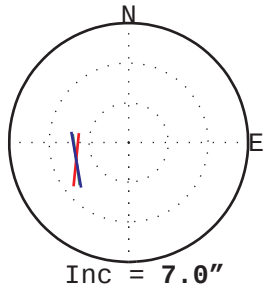


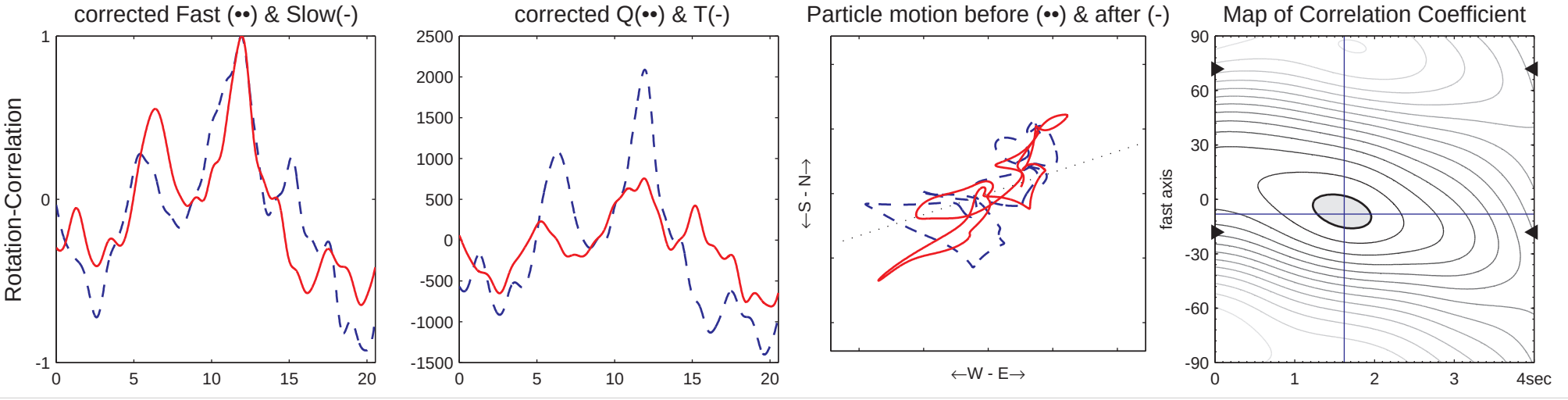


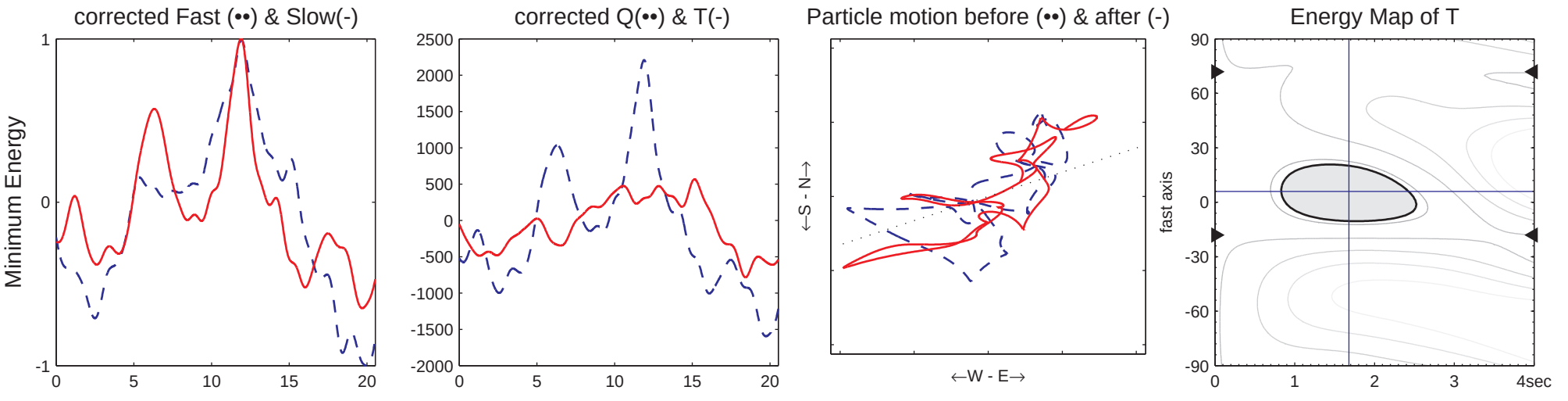
Event: **01-Jan-2011 (001) 09:56 -26.80N -63.14E 576km Mw=7.0**
Station: **KKUL** Backazimuth: **251.9”** Distance: **110.96”**
init.Pol.: **49.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.0**

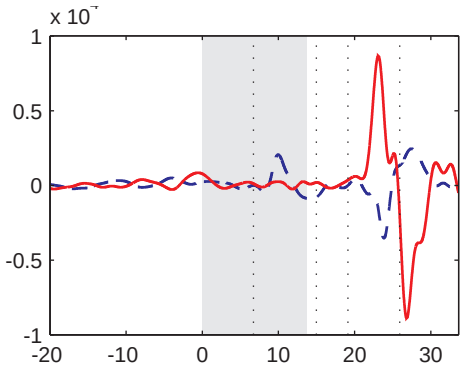
Rotation Correlation:	-17<	-8° <	2	1.2<1.6s<2.0
Minimum Energy:	-11<	6° <	21	0.8<1.7s<2.5
Eigenvalue:	-25<	-10° <	-3	1.3<1.8s<2.3

Quality: **fair** IsNull: **No** Phase: **SKS**





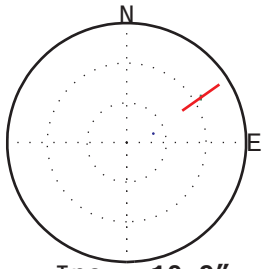




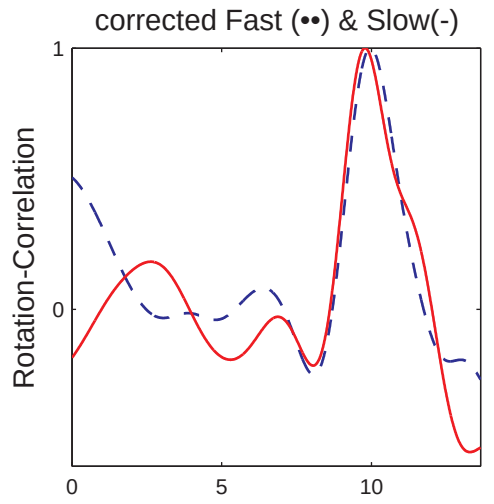
Event: **12-Jan-2011 (012) 21:32 26.97N 139.88E 512km Mw=6.4**
Station: **KKUL** Backazimuth: **58.8”** Distance: **85.13”**
init.Pol.: **222.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

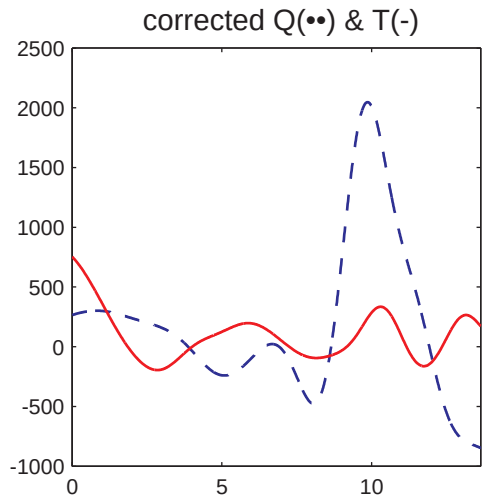
Rotation Correlation:	-7<	8° <	24	0.0<0.2s<0.5
Minimum Energy:	48<	55° <	64	0.7<1.4s<4.0
Eigenvalue:	48<	53° <	60	3.3<3.7s<4.0

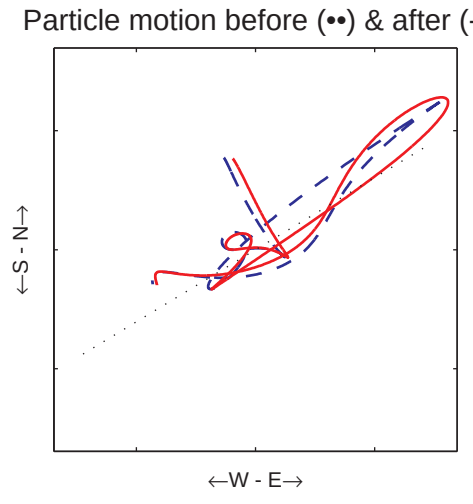
Quality: **good** IsNull: **Yes** Phase: **SKS**

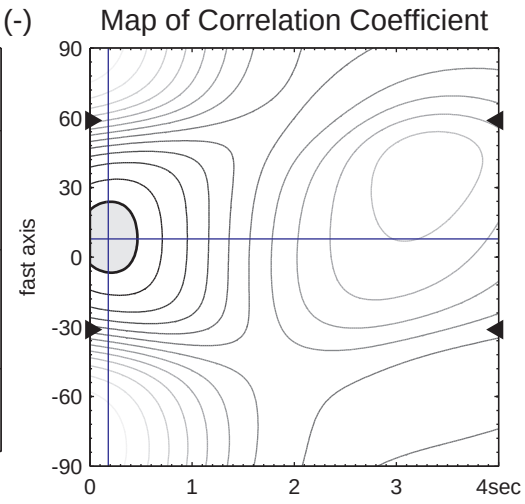


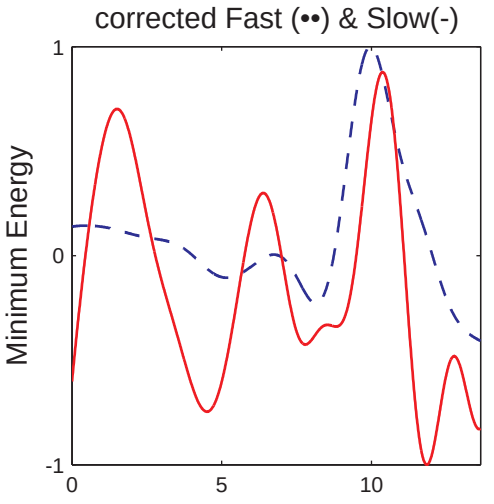
Inc = **10.9”**

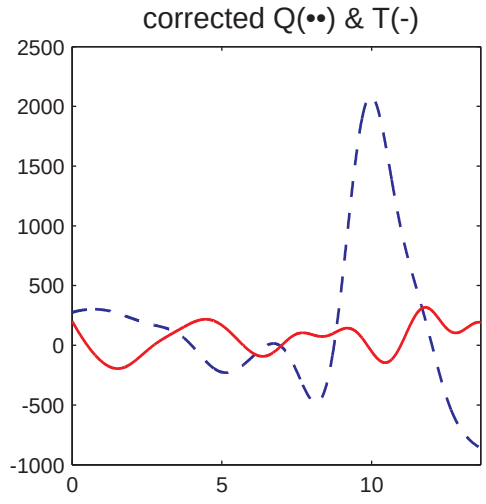


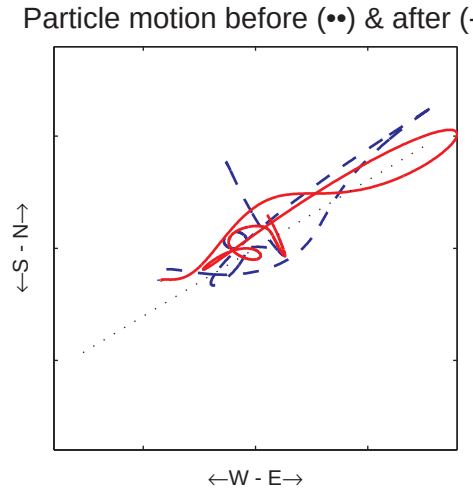


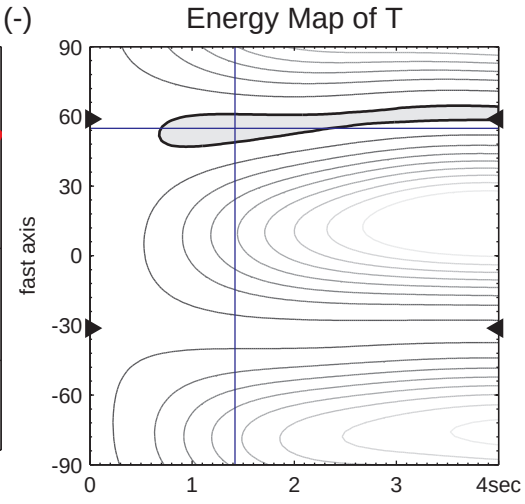


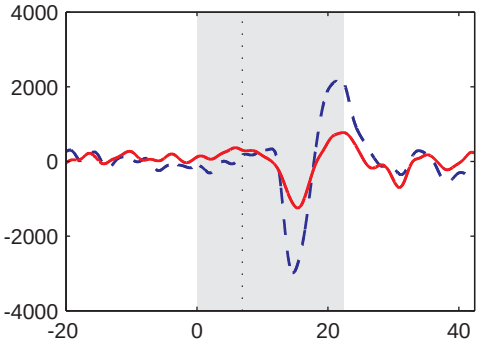








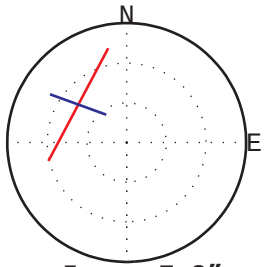


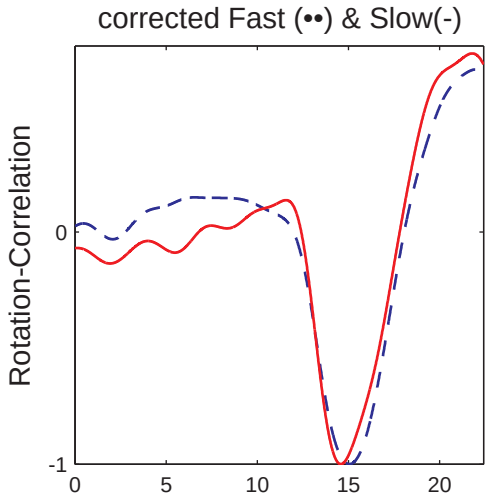


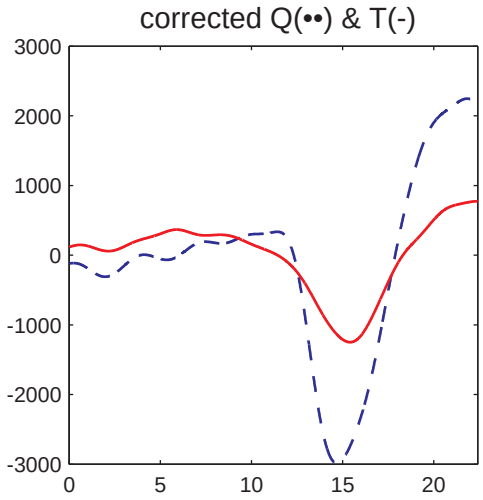
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **KKUL** Backazimuth: **308.0”** Distance: **105.16”**
init.Pol.: **105.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

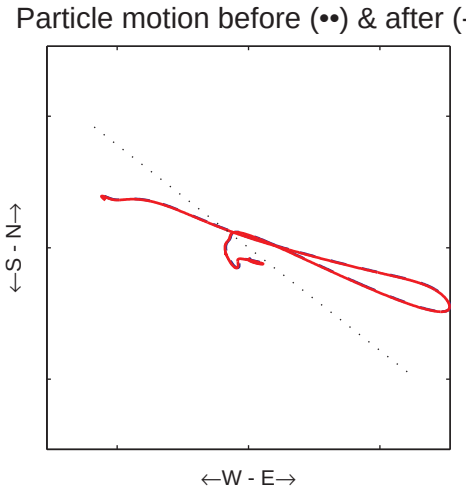
Rotation Correlation:	43<	62° <	84	0.0<0.0s<0.2
Minimum Energy:	21<	28° <	35	2.8<4.0s<4.0
Eigenvalue:	-Inf<	-70° <	Inf	0.0<1.9s<Inf

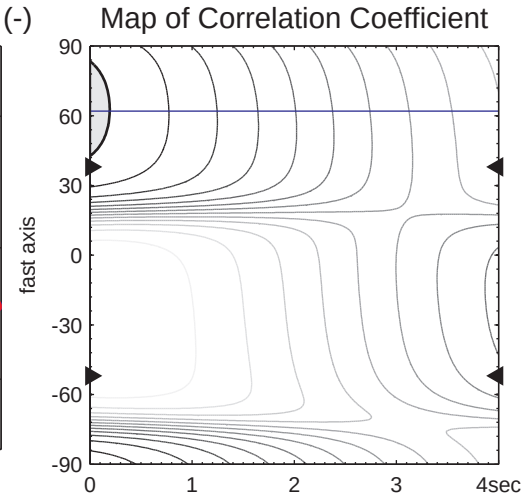
Quality: **fair** IsNull: **Yes** Phase: **SKS**

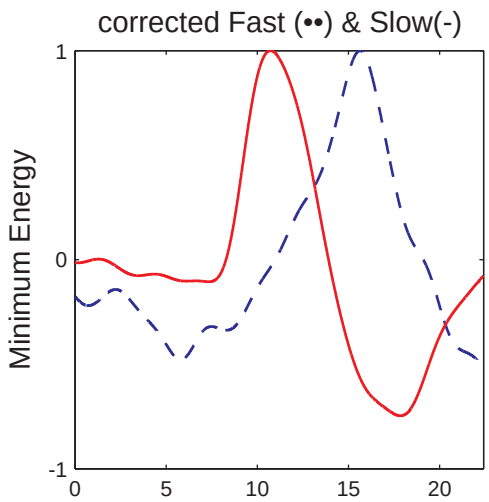


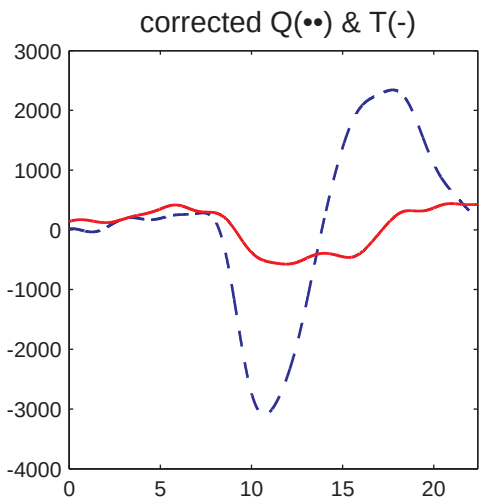


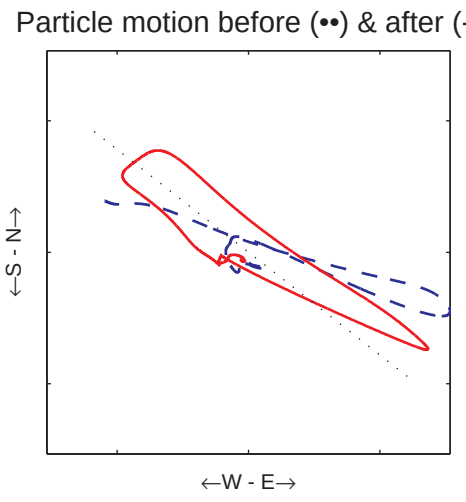


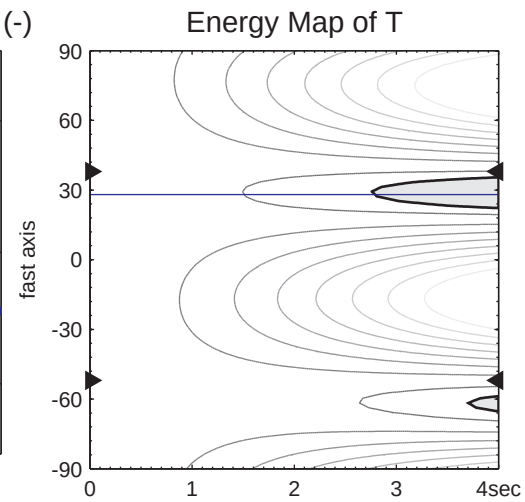


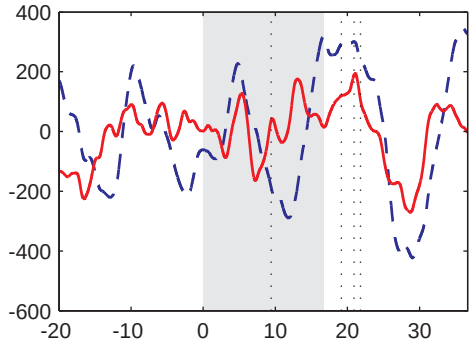








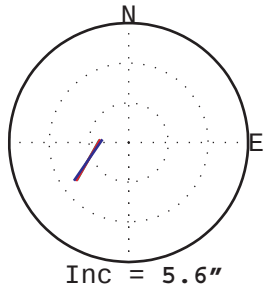


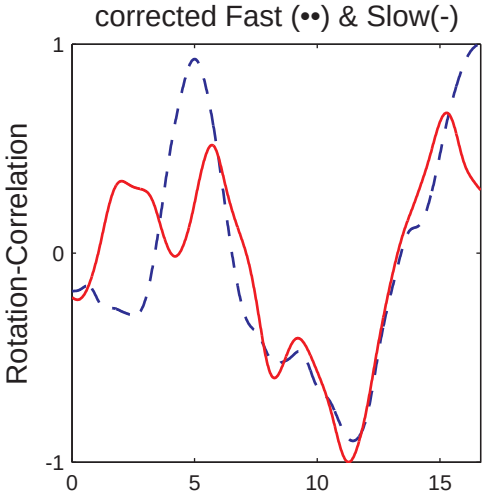


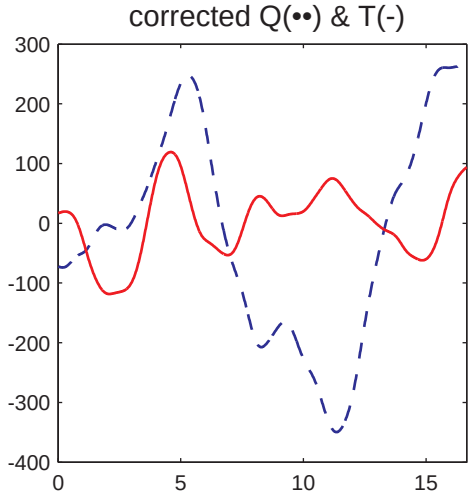
Event: **01-Jun-2011 (152) 12:55 -37.58N -73.69E 21km Mw=6.3**
Station: **KKUL** Backazimuth: **246.5”** Distance: **124.11”**
init.Pol.: **69.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

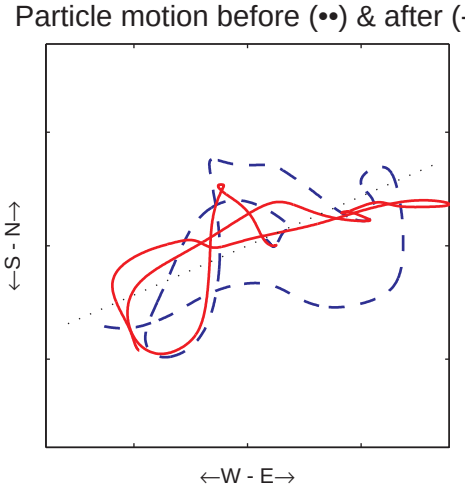
Rotation Correlation:	19<	30° <	46	1.0<1.5s<2.0
Minimum Energy:	7<	31° <	50	1.0<1.5s<2.2
Eigenvalue:	9<	35° <	54	1.0<1.6s<2.3

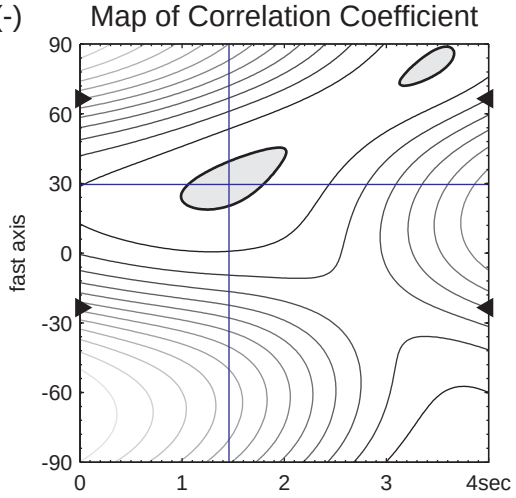
Quality: **fair** IsNull: **No** Phase: **SKS**

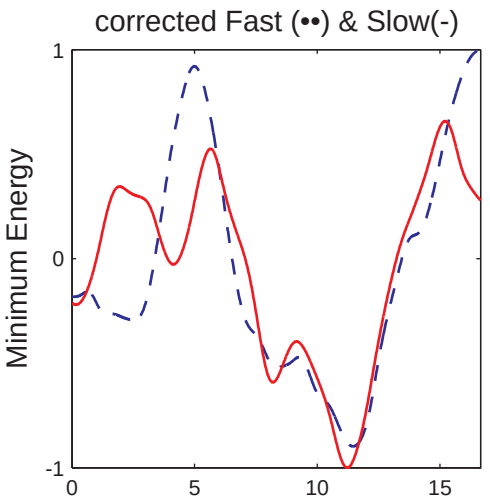


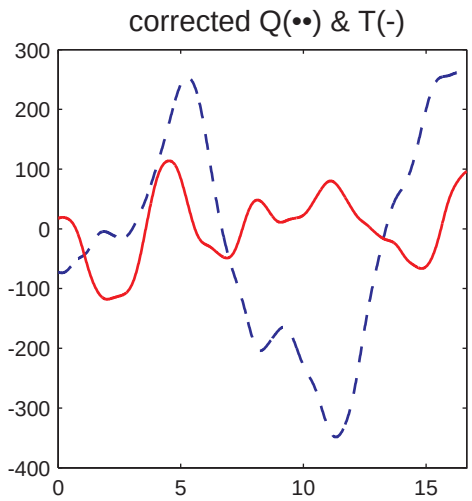


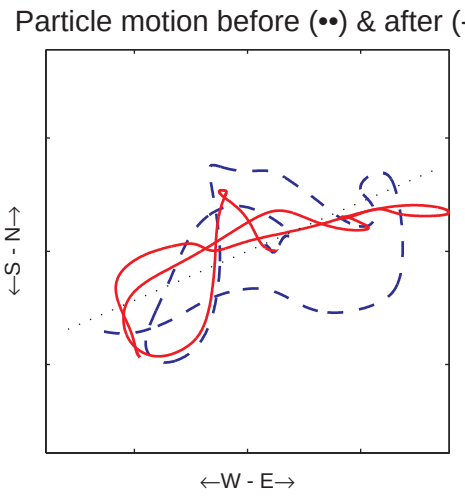


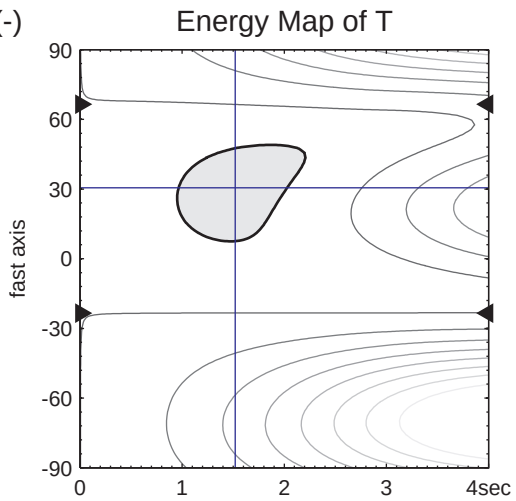


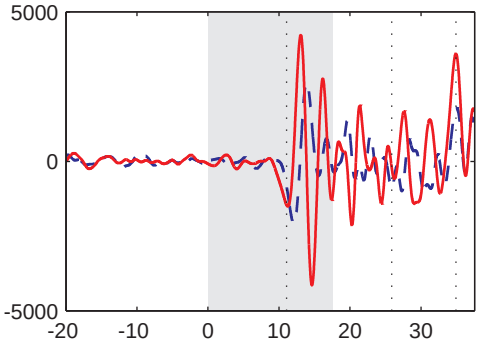








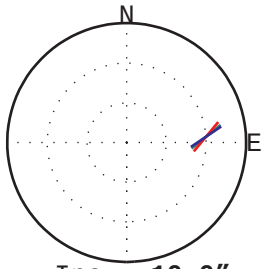




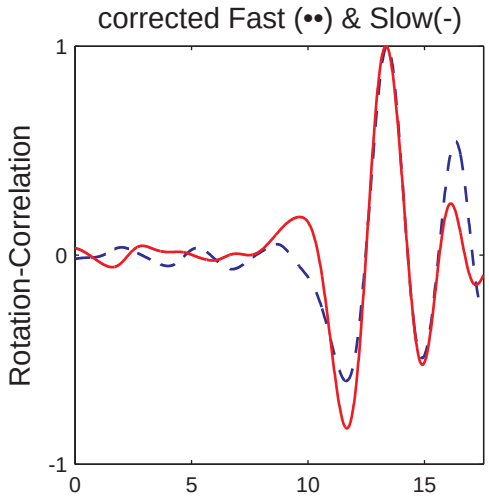
Event: **13-Jun-2011 (164) 14:31** **2.52N 126.46E** **61km** Mw=**6.3**
Station: **KKUL** Backazimuth: **85.8”** Distance: **91.15”**
init.Pol.: **290.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.9**

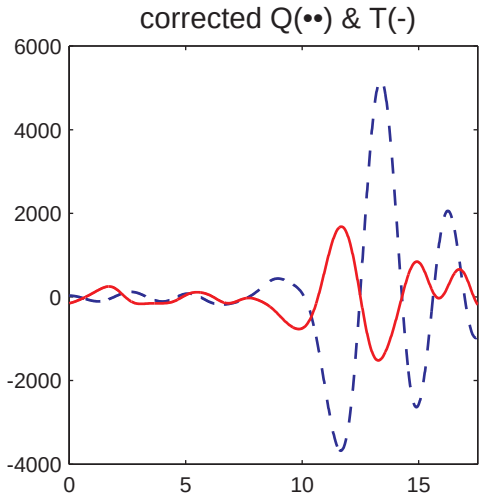
Rotation Correlation:	44<	51° <	59	1.1<1.2s<1.2
Minimum Energy:	37<	40° <	41	1.1<1.2s<1.3
Eigenvalue:	46<	56° <	66	1.0<1.1s<1.2

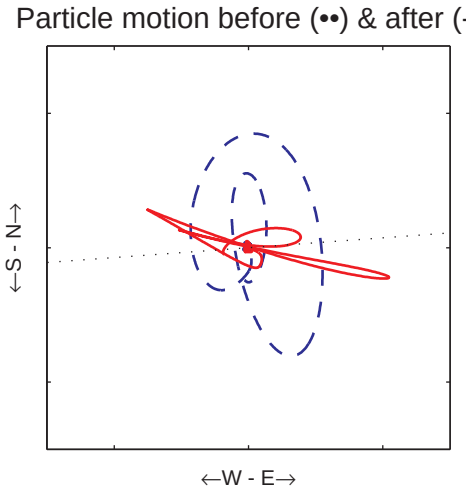
Quality: **fair** IsNull: **No** Phase: **SKS**

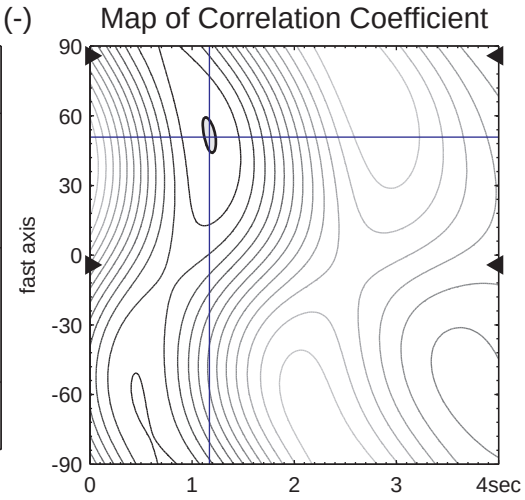


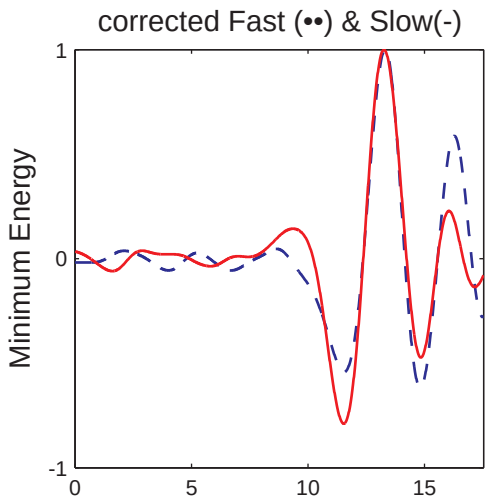
Inc = **10.0”**

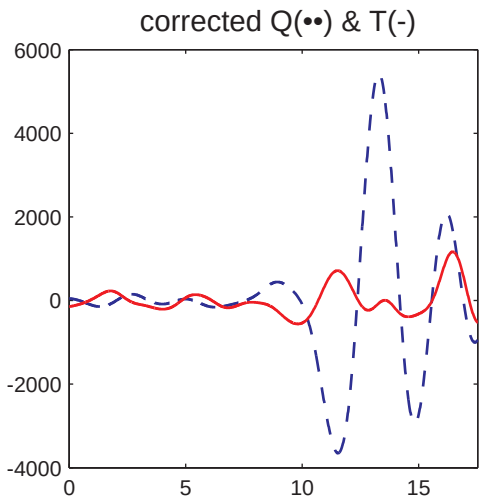


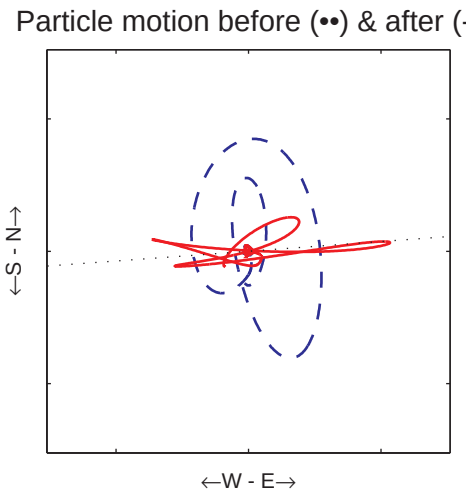


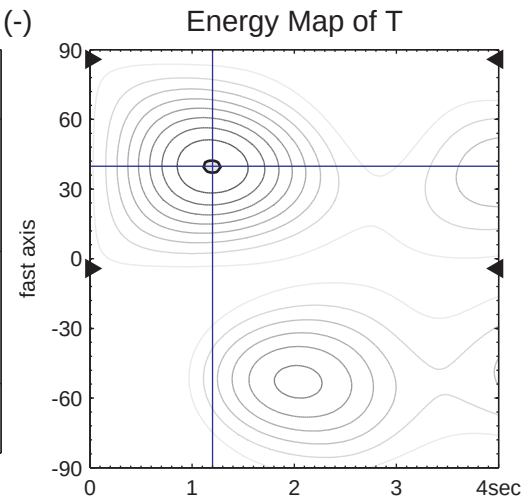


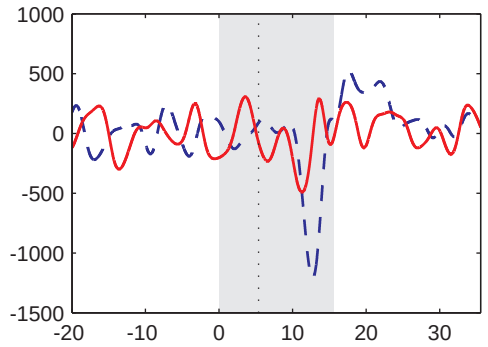








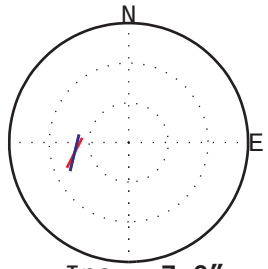




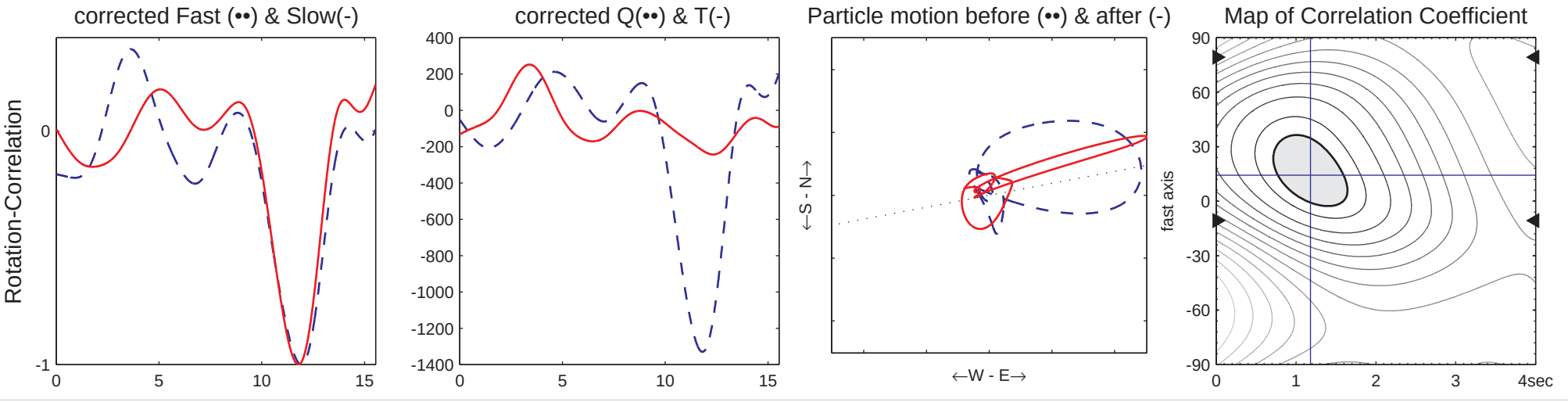
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **KKUL** Backazimuth: **259.2”** Distance: **111.89”**
init.Pol.: **69.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

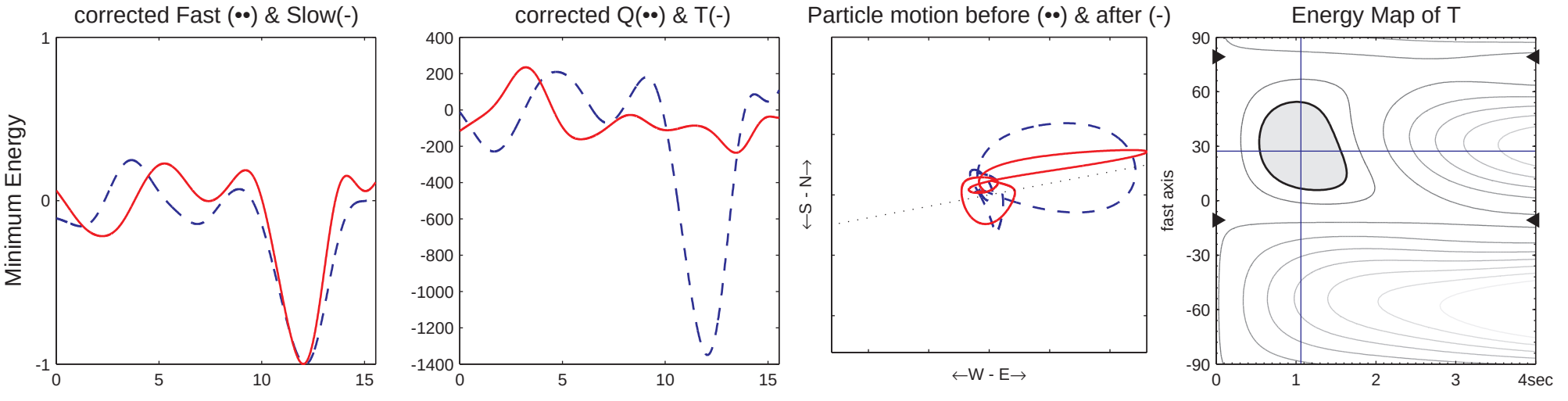
Rotation Correlation:	-3<	14° <	37	0.7<1.2s<1.6
Minimum Energy:	5<	27° <	54	0.5<1.1s<1.6
Eigenvalue:	-7<	13° <	41	0.7<1.2s<1.7

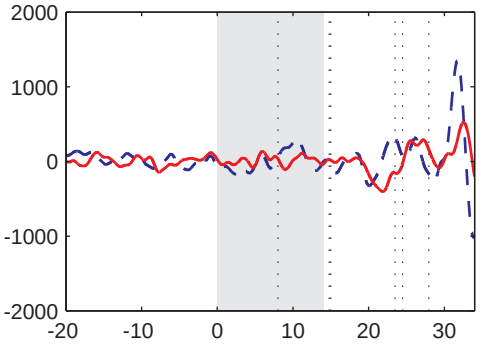
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



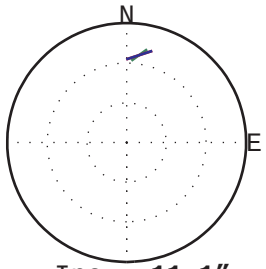




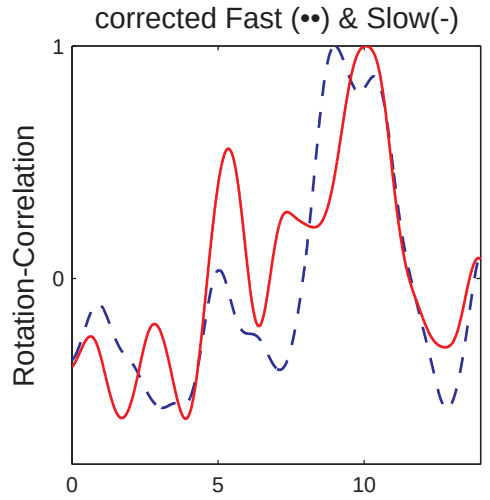
Event: **16-Jul-2011 (197) 19:59 54.79N -161.29E 36km Mw=6.1**
Station: **KKUL** Backazimuth: **8.2”** Distance: **85.26”**
init.Pol.: **188.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.8**

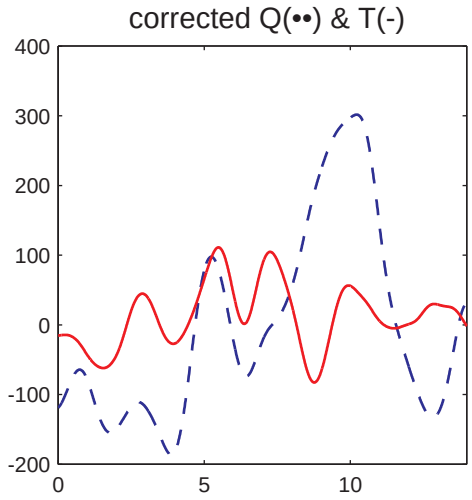
Rotation Correlation:	46<	54° <	65	0.4<0.6s<0.9
Minimum Energy:	56<	72° <	88	0.5<0.9s<1.2
Eigenvalue:	52<	72° <	88	0.5<0.9s<1.2

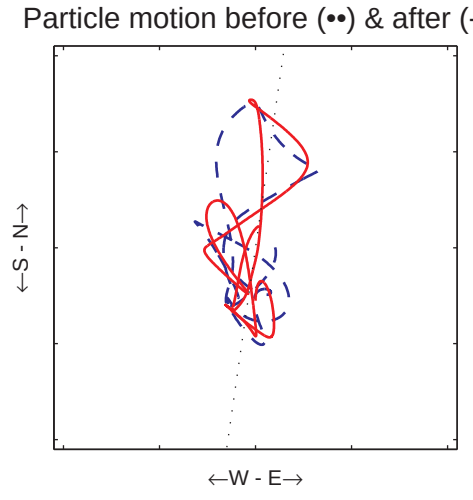
Quality: **fair** IsNull: **No** Phase: **SKS**

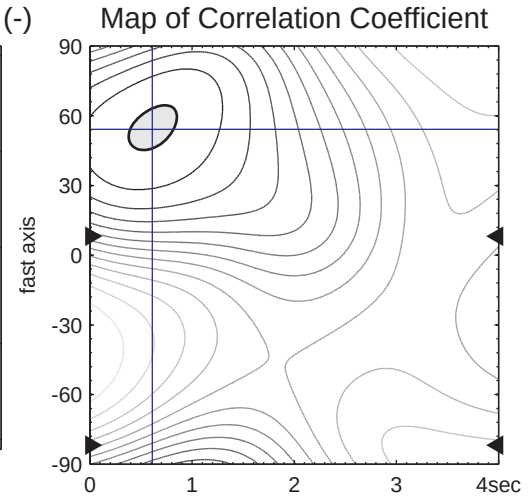


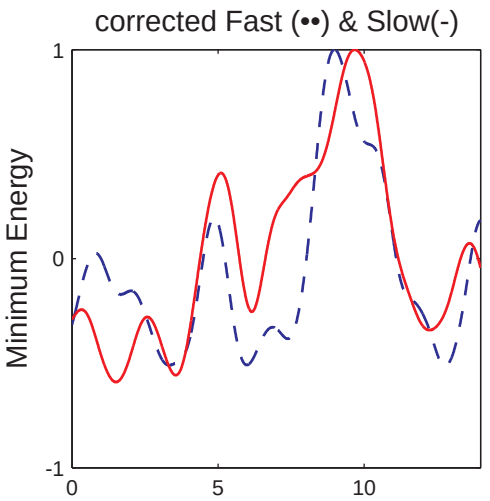
Inc = **11.1”**

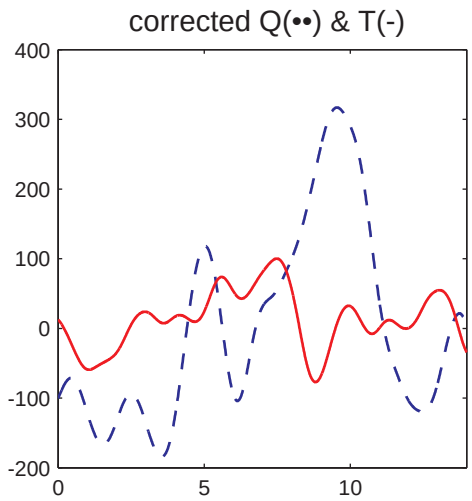


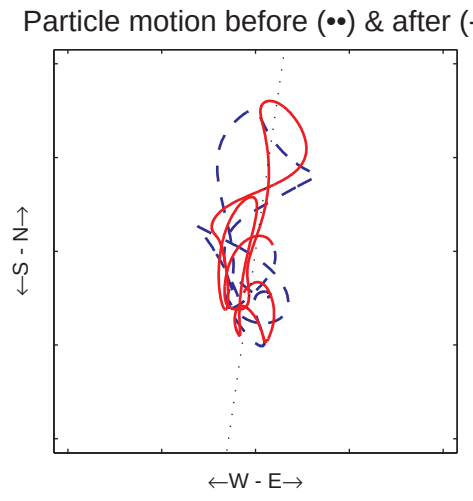


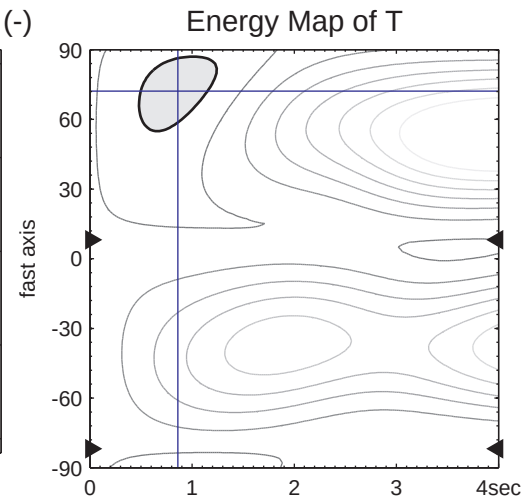


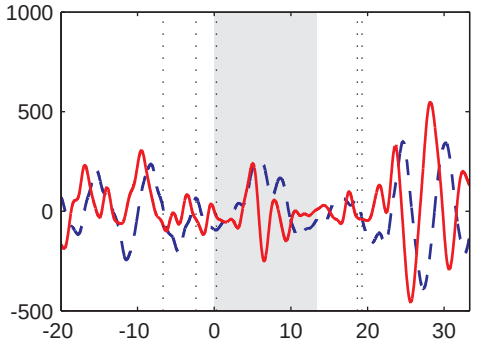








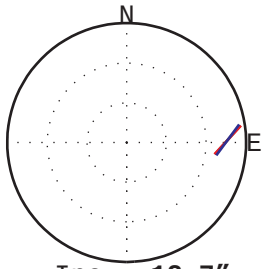




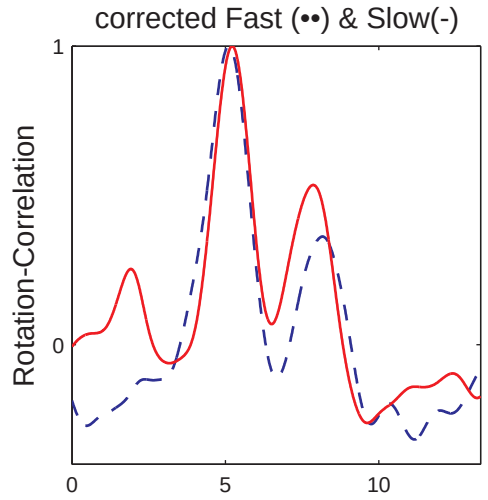
Event: **16-Aug-2011 (228) 11:03 -2.33N 128.00E 35km Mw=6.1**
Station: **KKUL** Backazimuth: **88.6”** Distance: **95.41”**
init.Pol.: **261.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.3**

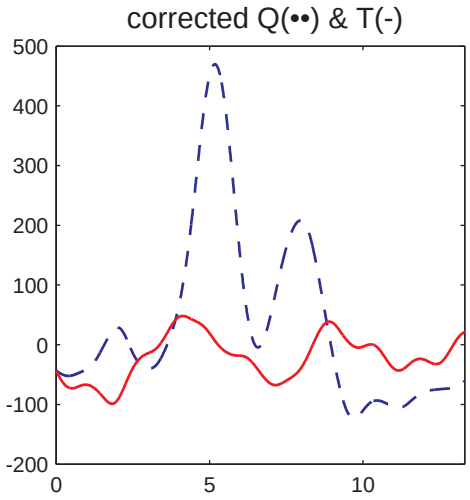
Rotation Correlation:	36<	42° <	50	1.1<1.2s<1.4
Minimum Energy:	35<	43° <	52	1.0<1.2s<1.4
Eigenvalue:	29<	37° <	48	1.0<1.2s<1.4

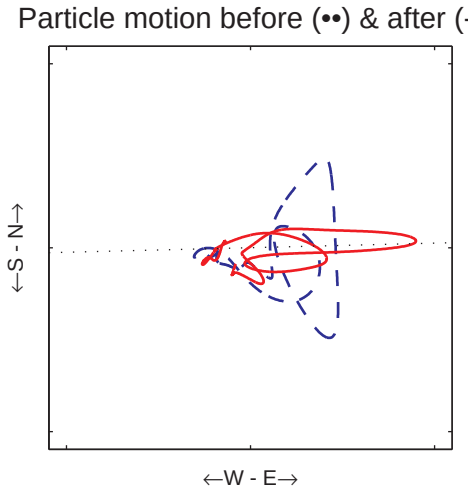
Quality: **good** IsNull: **No** Phase: **SKKS**

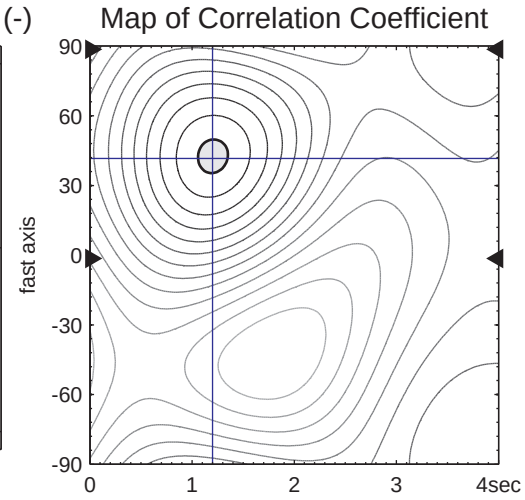


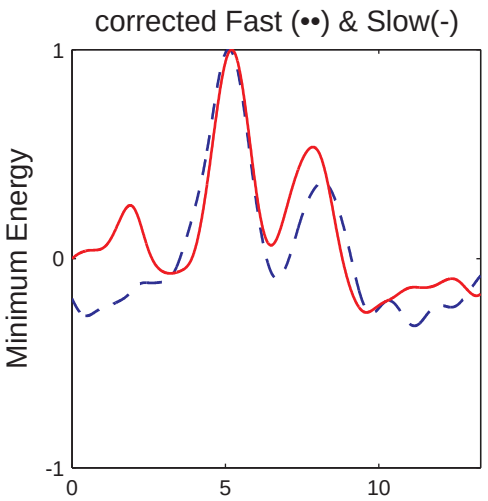
Inc = **12.7”**

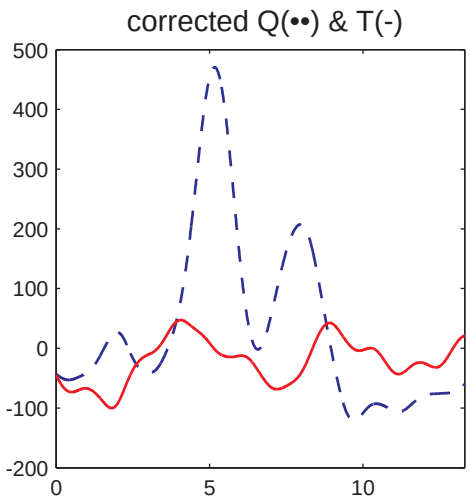


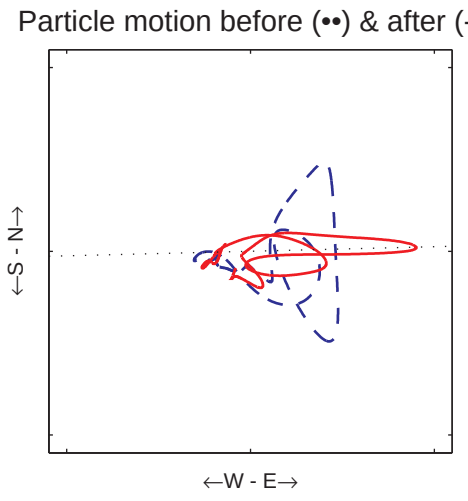


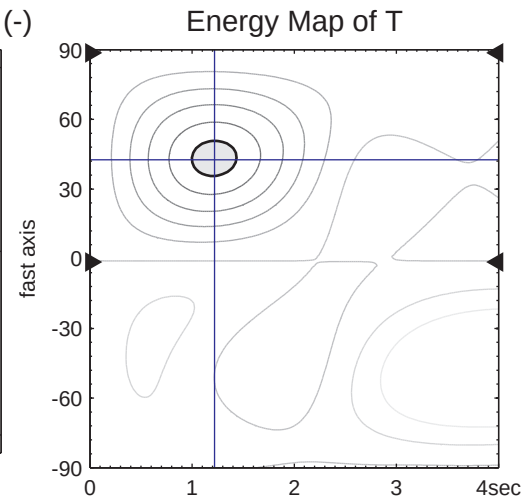


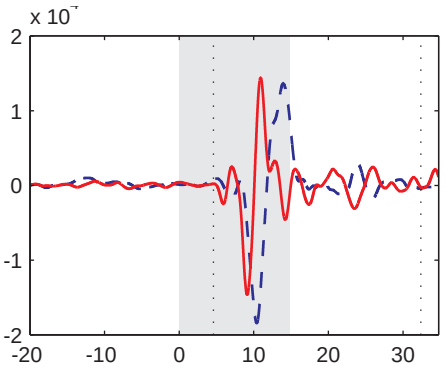








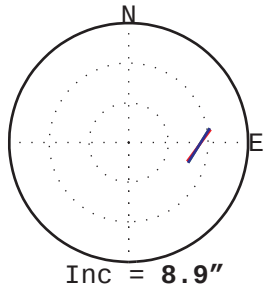


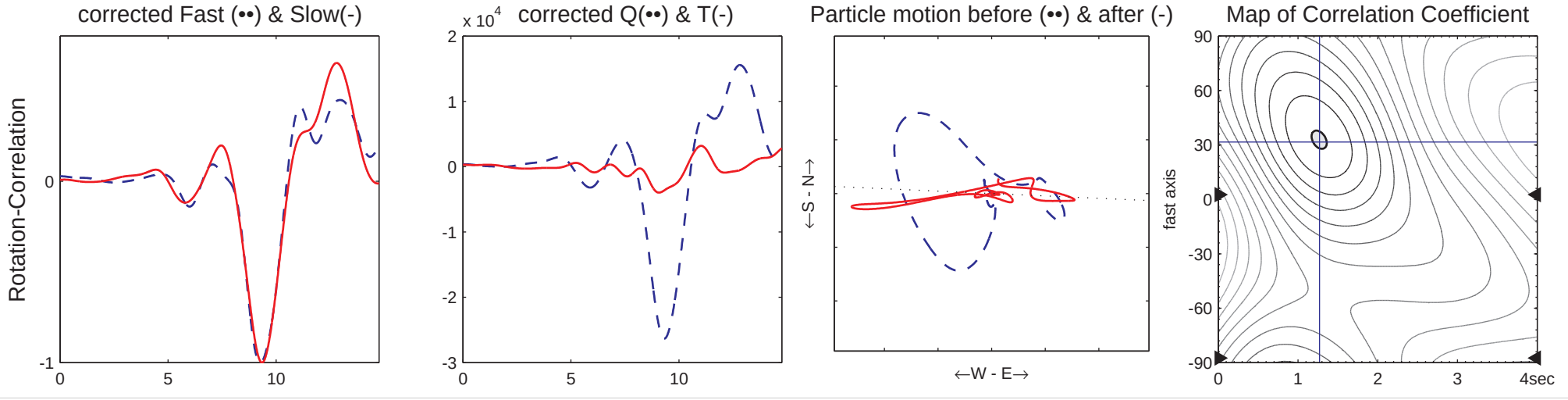


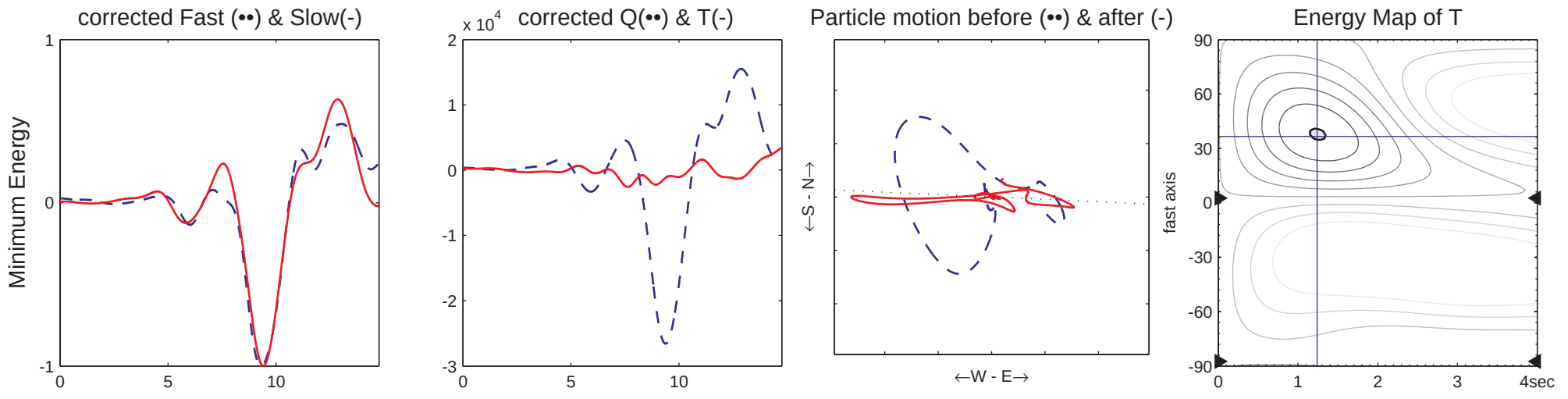
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **KKUL** Backazimuth: **92.5”** Distance: **96.98”**
init.Pol.: **267.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**12.1**

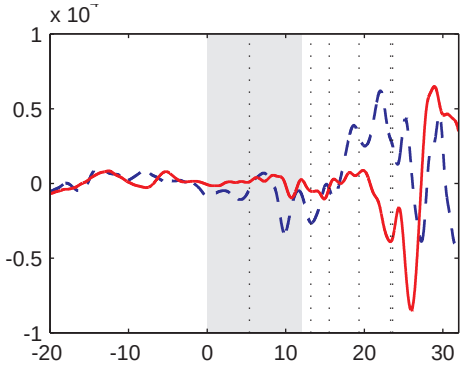
Rotation Correlation:	28<	32° <	38	1.2<1.3s<1.4
Minimum Energy:	35<	37° <	41	1.2<1.2s<1.3
Eigenvalue:	29<	33° <	39	1.2<1.3s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





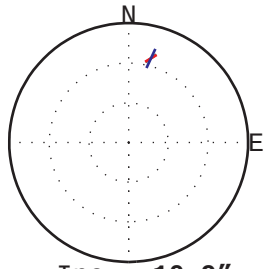


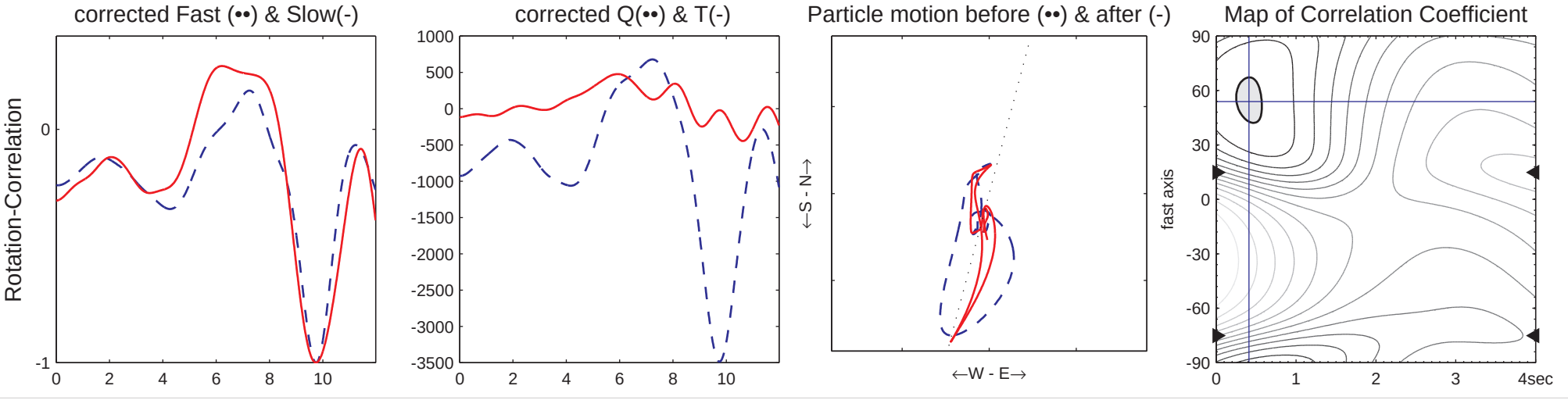


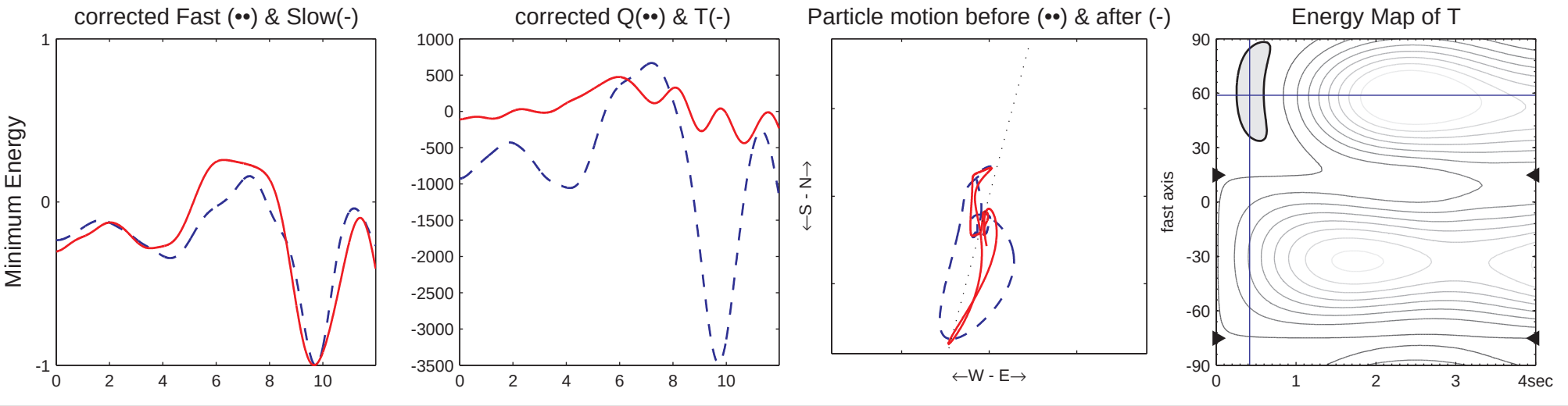
Event: **02-Sep-2011 (245) 10:55 52.17N -171.71E 32km Mw=6.9**
Station: **KKUL** Backazimuth: **14.8”** Distance: **86.18”**
init.Pol.: **180.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.9**

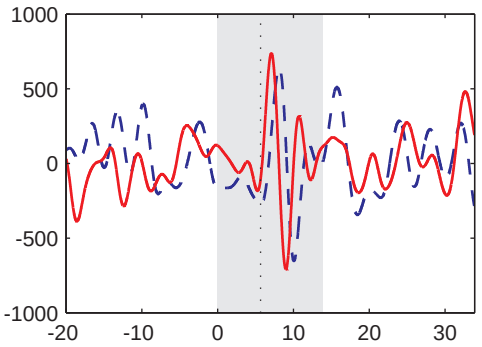
Rotation Correlation:	42<	54° <	67	0.3<0.4s<0.6
Minimum Energy:	33<	59° <	88	0.3<0.4s<0.7
Eigenvalue:	15<	25° <	41	0.5<0.7s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





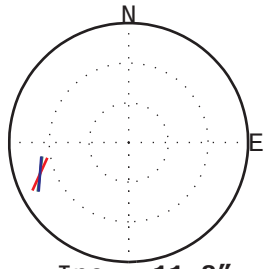




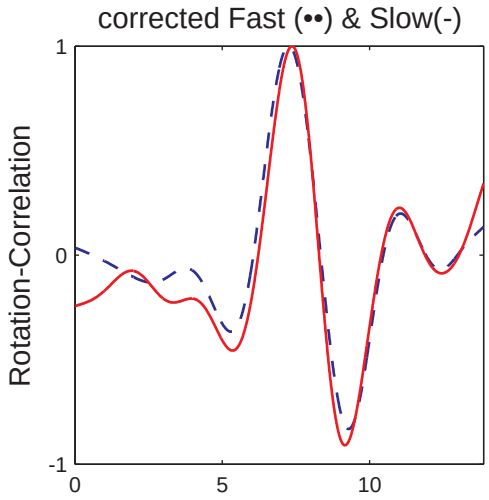
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **KKUL** Backazimuth: **250.4”** Distance: **111.78”**
init.Pol.: **47.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.9**

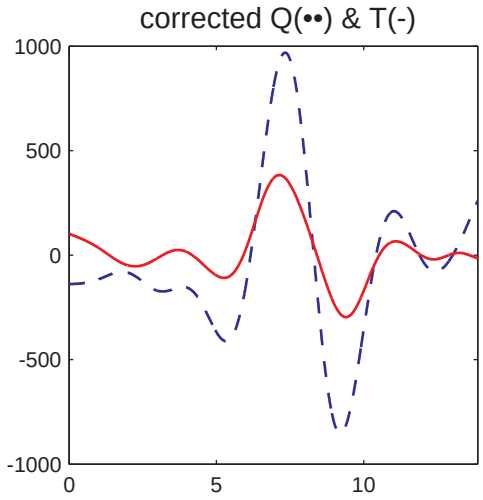
Rotation Correlation:	-4<	7° <	18	1.0<1.1s<1.2
Minimum Energy:	19<	24° <	29	1.0<1.1s<1.3
Eigenvalue:	-3<	4° <	13	1.0<1.1s<1.2

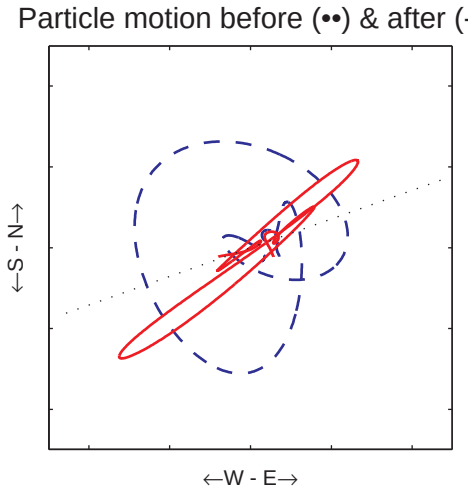
Quality: **fair** IsNull: **No** Phase: **SKKS**

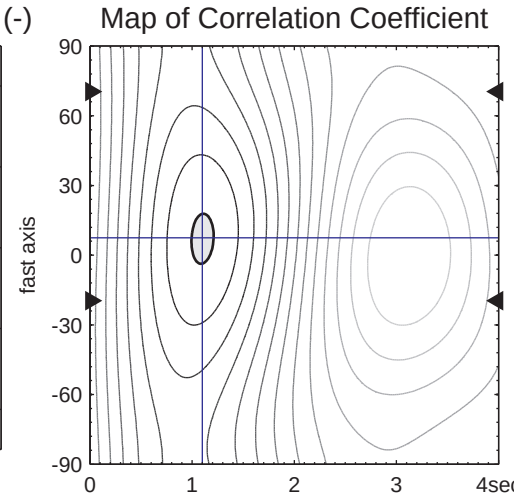


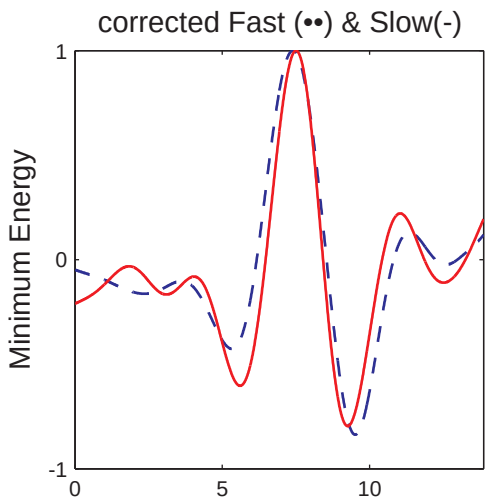
Inc = **11.8”**

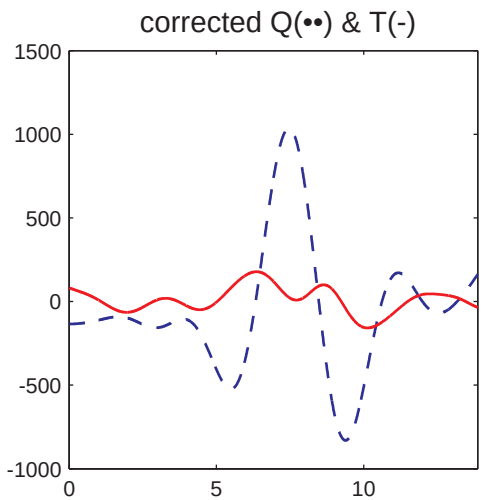


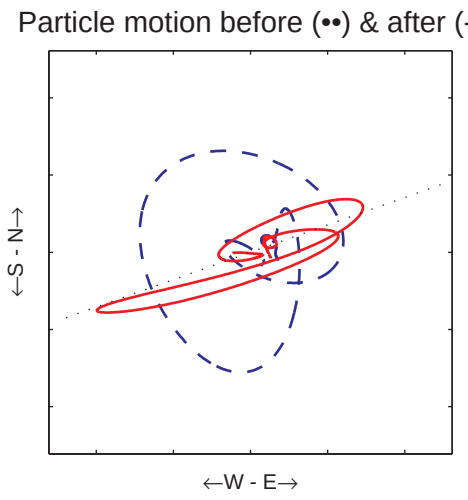


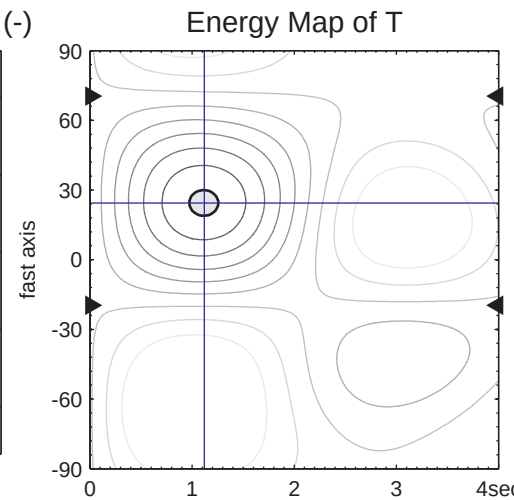


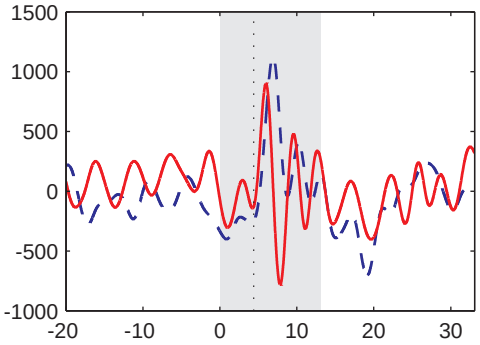








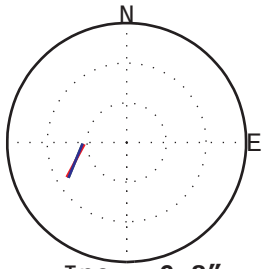




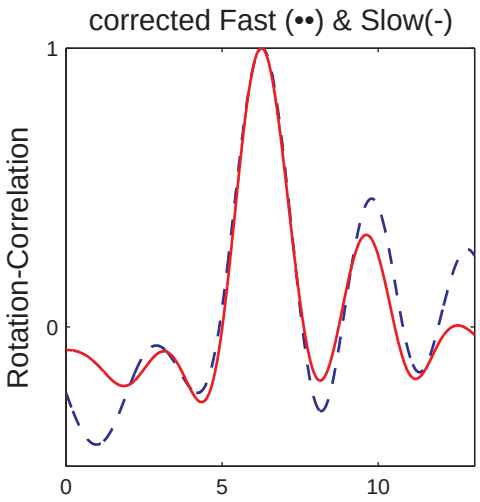
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **KKUL** Backazimuth: **250.4”** Distance: **111.78”**
init.Pol.: **61.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

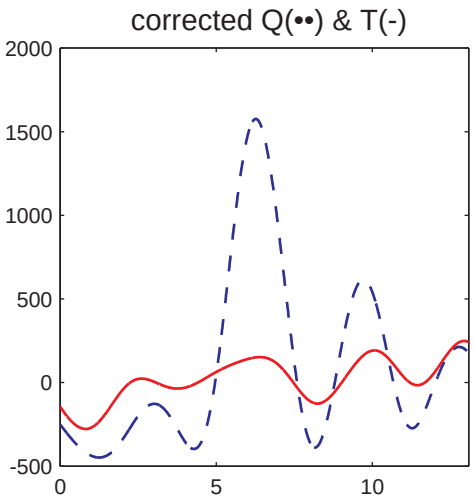
Rotation Correlation:	14<	22° <	32	1.0<1.2s<1.3
Minimum Energy:	23<	28° <	37	1.0<1.2s<1.4
Eigenvalue:	11<	22° <	33	1.0<1.2s<1.3

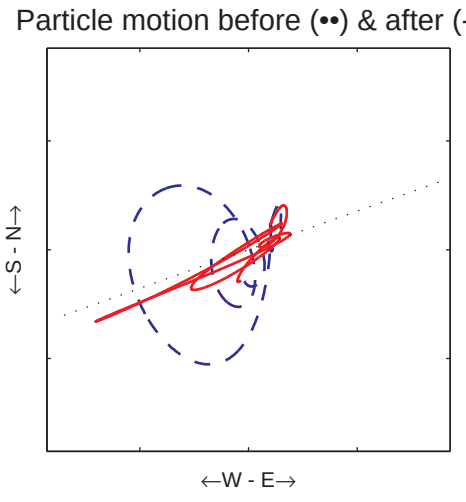
Quality: **good** IsNull: **No** Phase: **SKS**

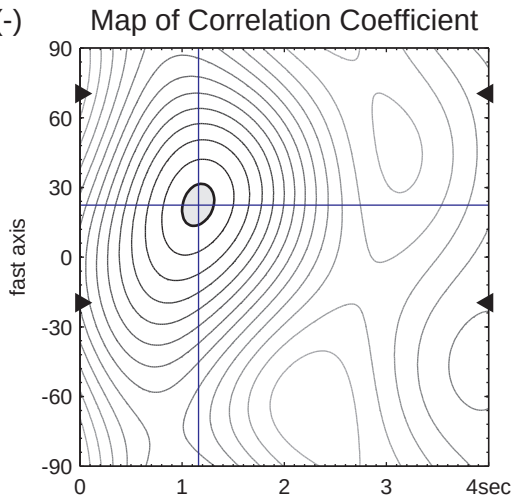


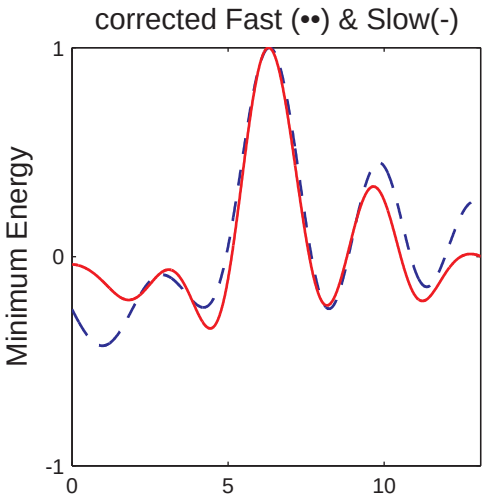
Inc = **6.8”**

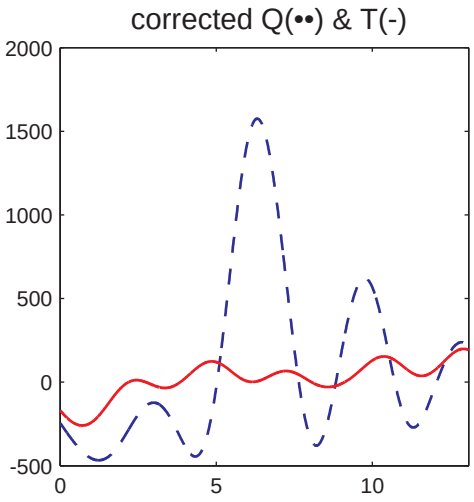


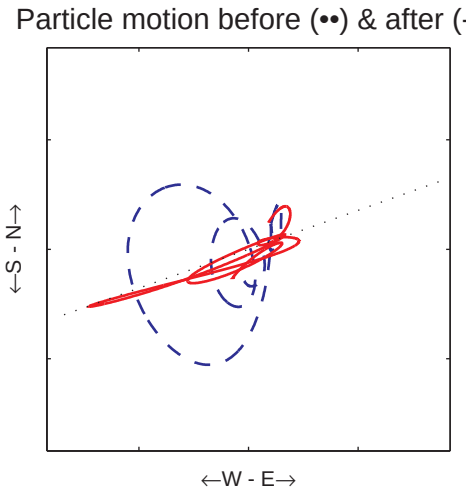


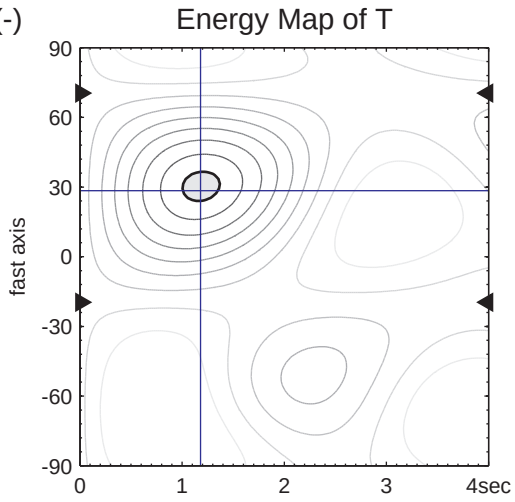


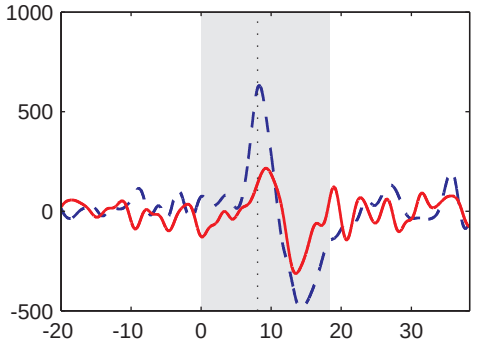








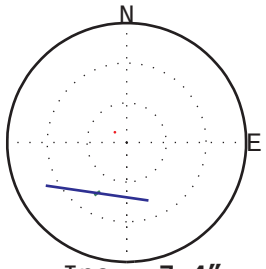




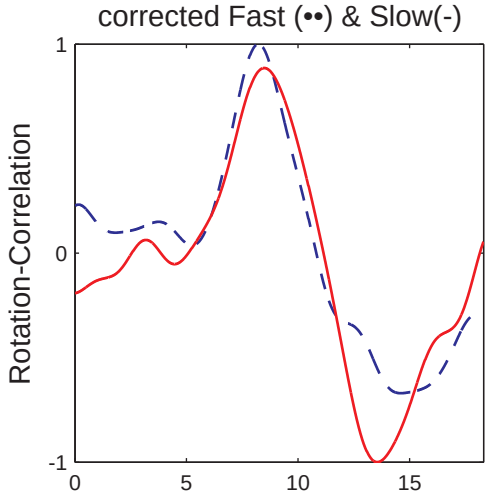
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **KKUL** Backazimuth: **210.2”** Distance: **108.10”**
init.Pol.: **11.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

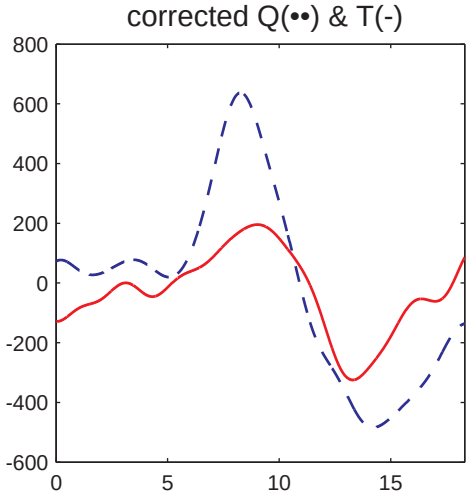
Rotation Correlation:	40<	53° <	68	0.0<0.2s<0.7
Minimum Energy:	11<	16° <	23	3.4<4.0s<4.0
Eigenvalue:	-Inf<	-82° <	Inf	0.0<3.3s<Inf

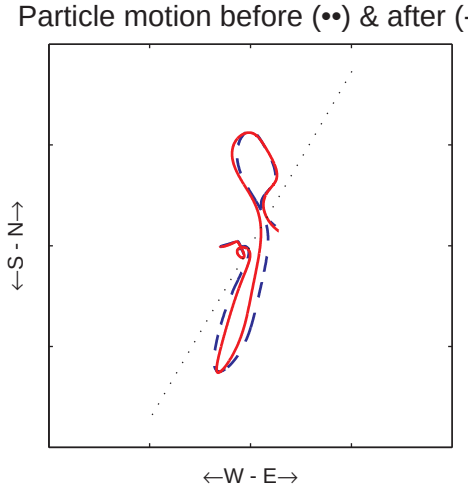
Quality: **good** IsNull: **Yes** Phase: **SKS**

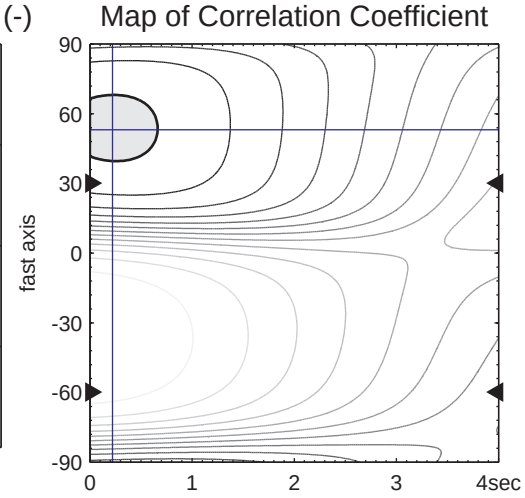


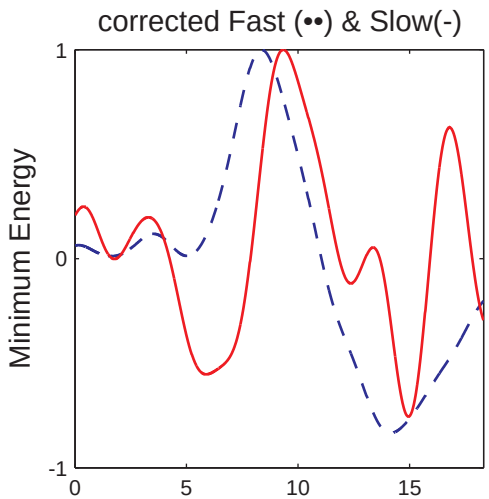
Inc = **7.4”**

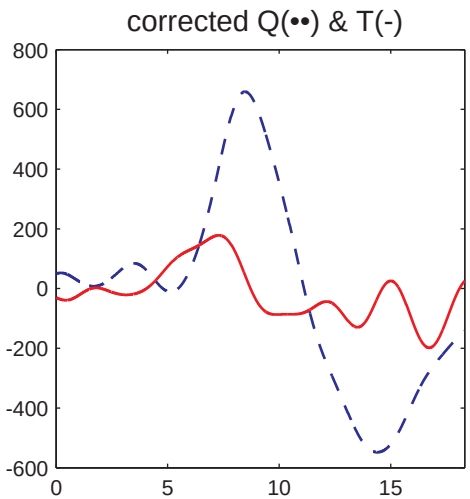


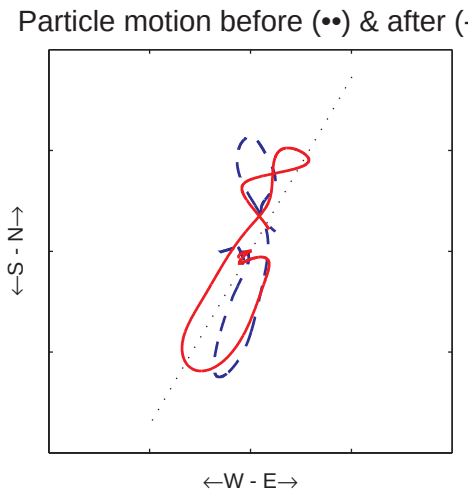


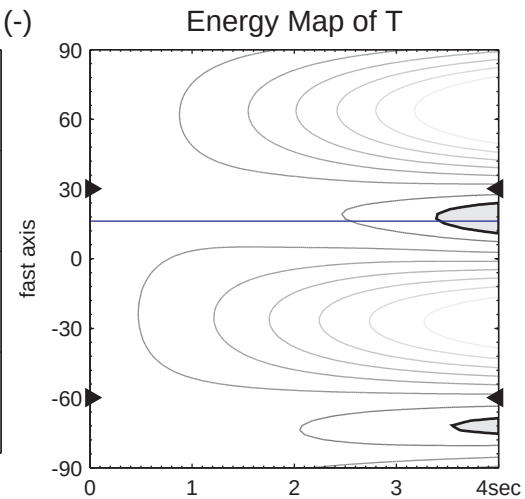


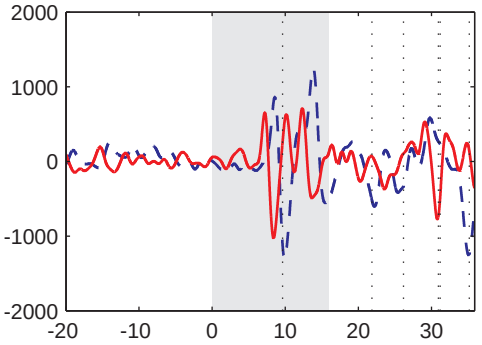








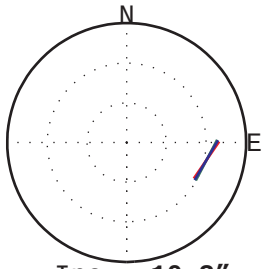




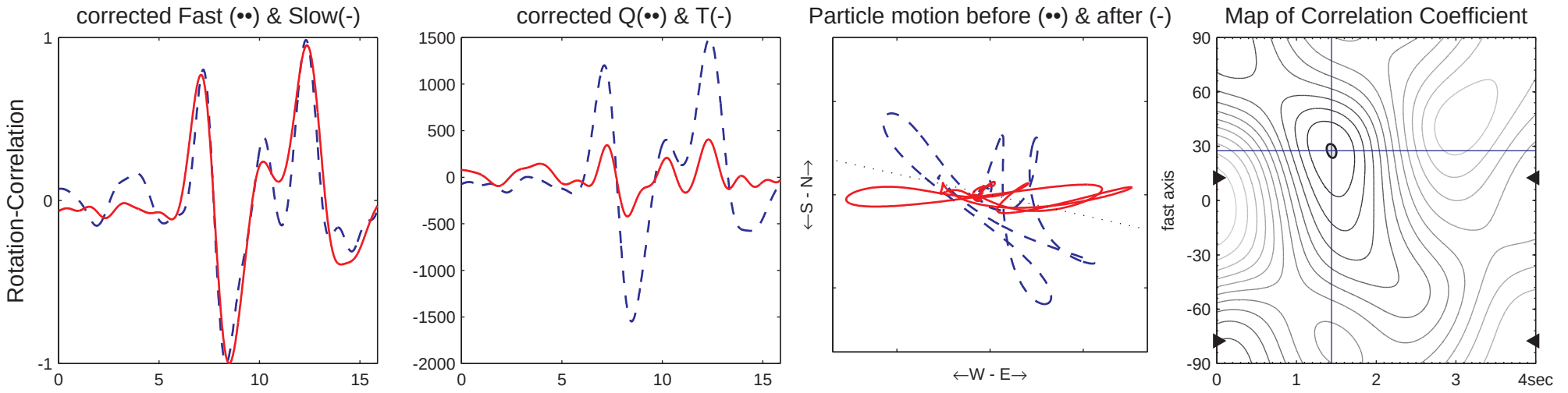
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **KKUL** Backazimuth: **102.5”** Distance: **89.53”**
init.Pol.: **274.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.0**

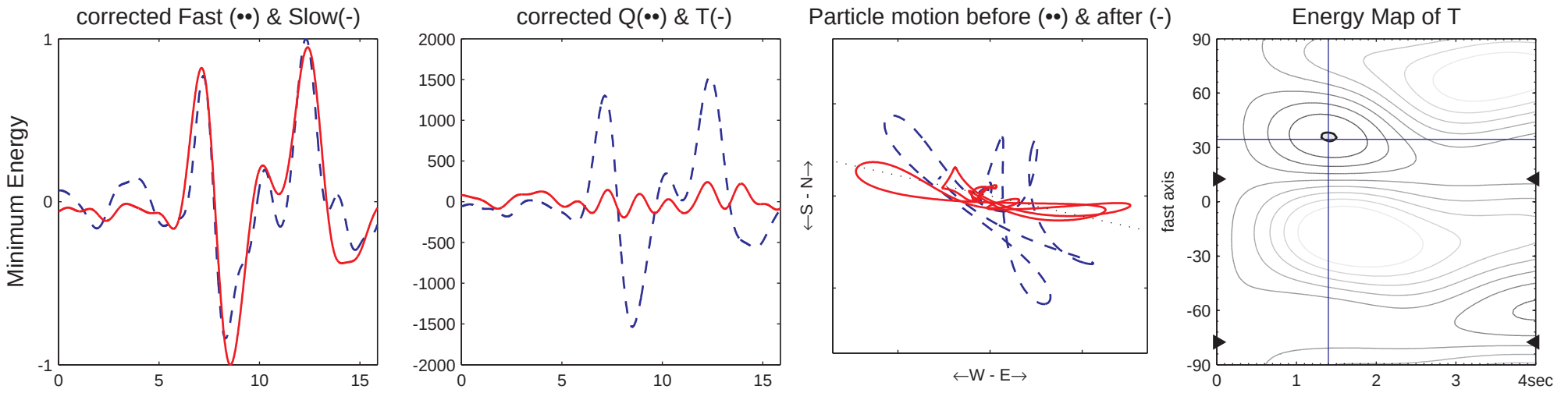
Rotation Correlation:	24<	27° <	32	1.4<1.4s<1.5
Minimum Energy:	33<	34° <	37	1.3<1.4s<1.5
Eigenvalue:	25<	30° <	35	1.4<1.4s<1.5

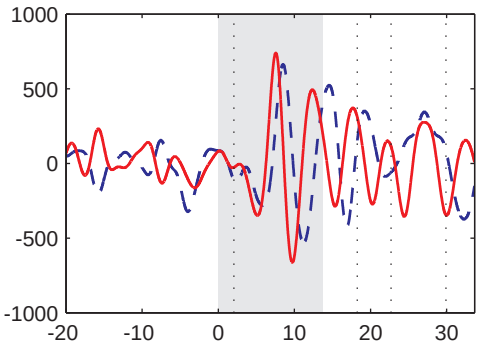
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.3”**



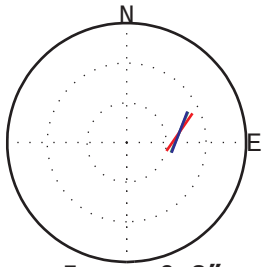




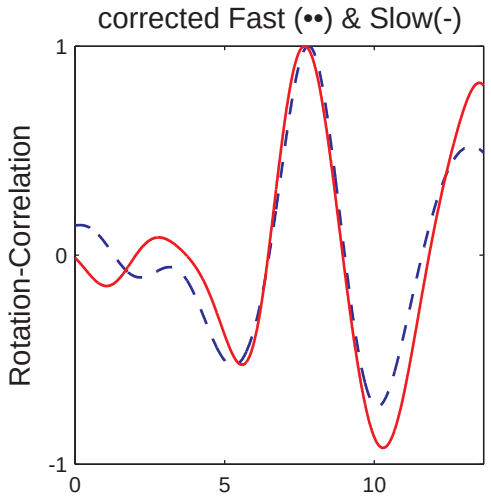
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **KKUL** Backazimuth: **78.9”** Distance: **113.41”**
init.Pol.: **242.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

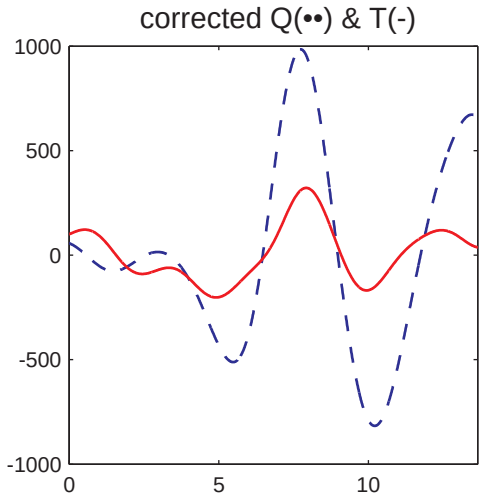
Rotation Correlation:	-17<	23° <	55	1.0<1.4s<1.7
Minimum Energy:	29<	35° <	41	1.2<1.4s<1.6
Eigenvalue:	1<	21° <	41	1.2<1.4s<1.6

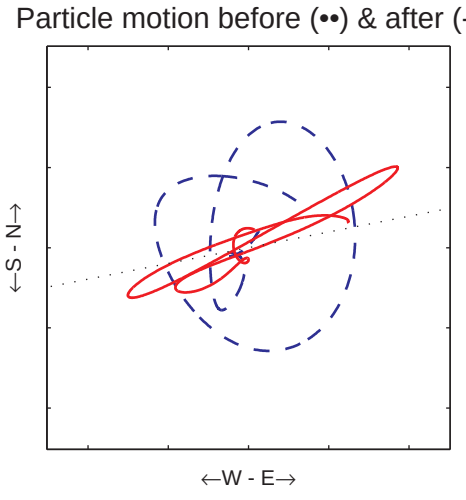
Quality: **fair** IsNull: **No** Phase: **SKS**

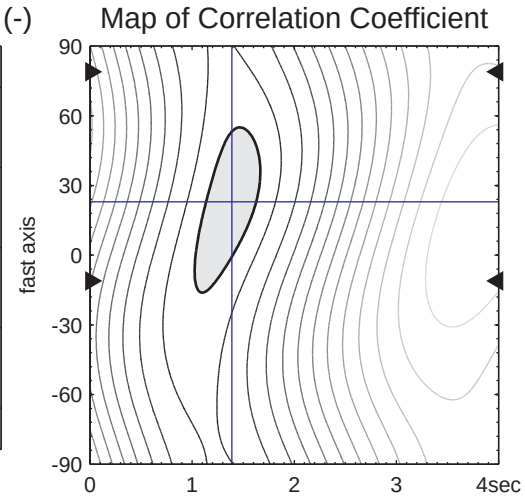


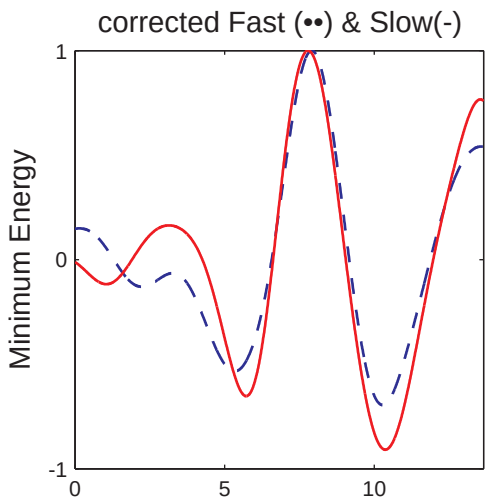
Inc = **6.8”**

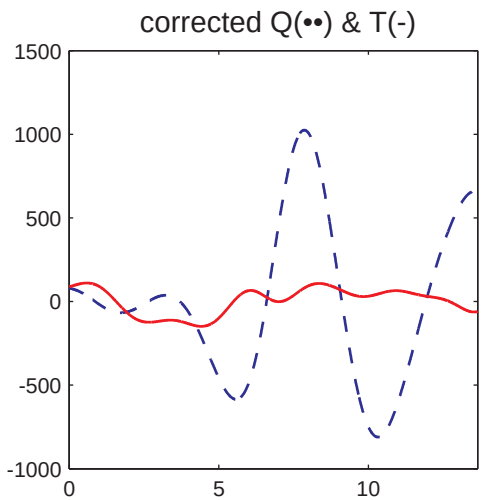


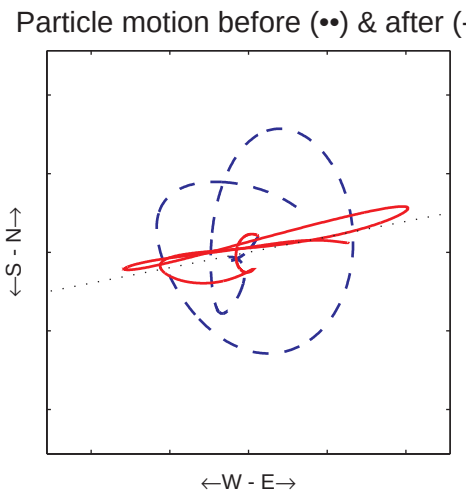


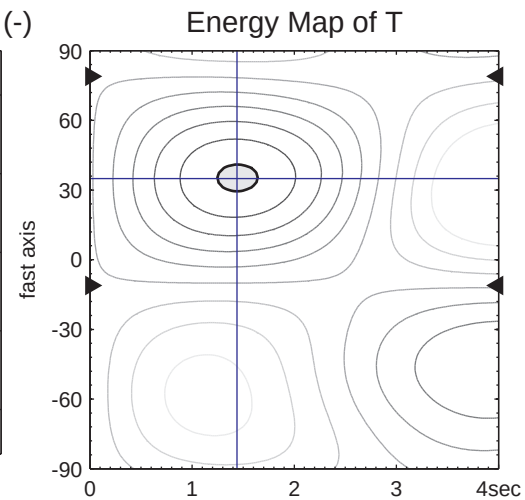


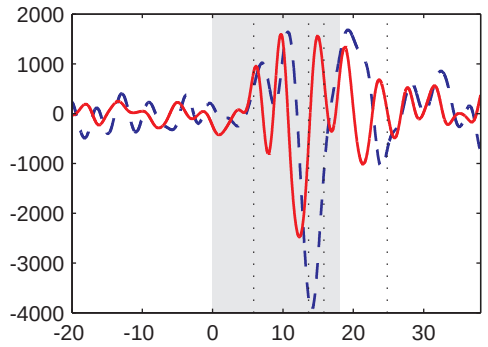








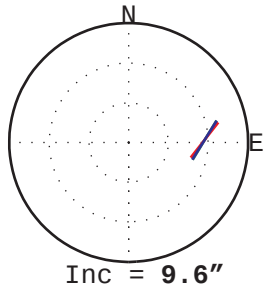


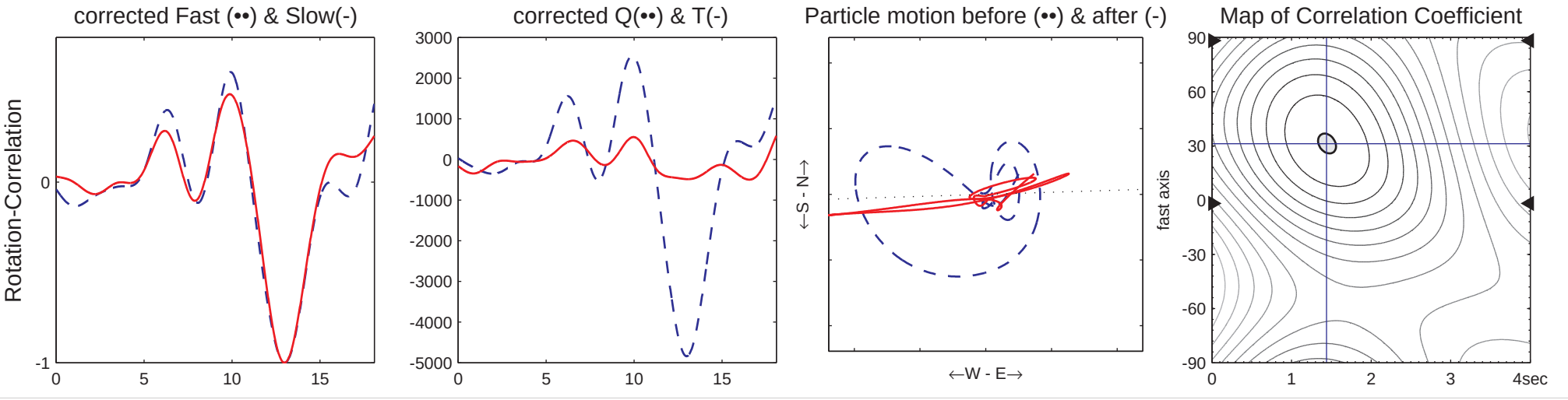


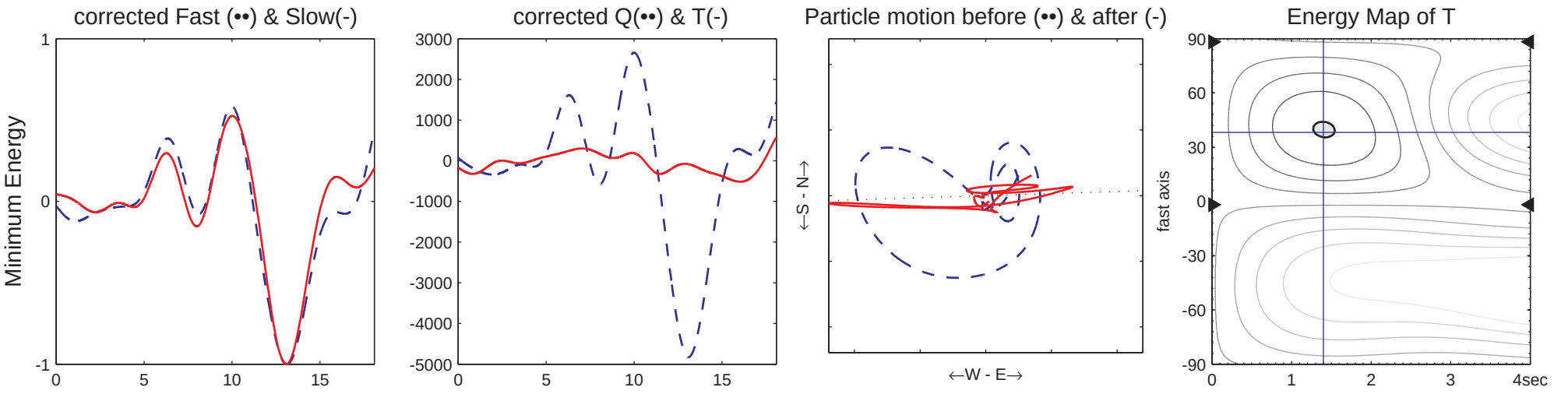
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **KKUL** Backazimuth: **88.2”** Distance: **93.69”**
init.Pol.: **261.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.3**

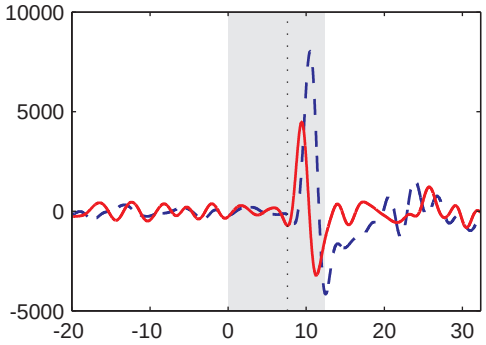
Rotation Correlation:	26<	31° <	37	1.3<1.4s<1.6
Minimum Energy:	35<	38° <	43	1.3<1.4s<1.5
Eigenvalue:	29<	32° <	39	1.3<1.4s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





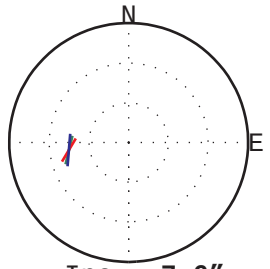




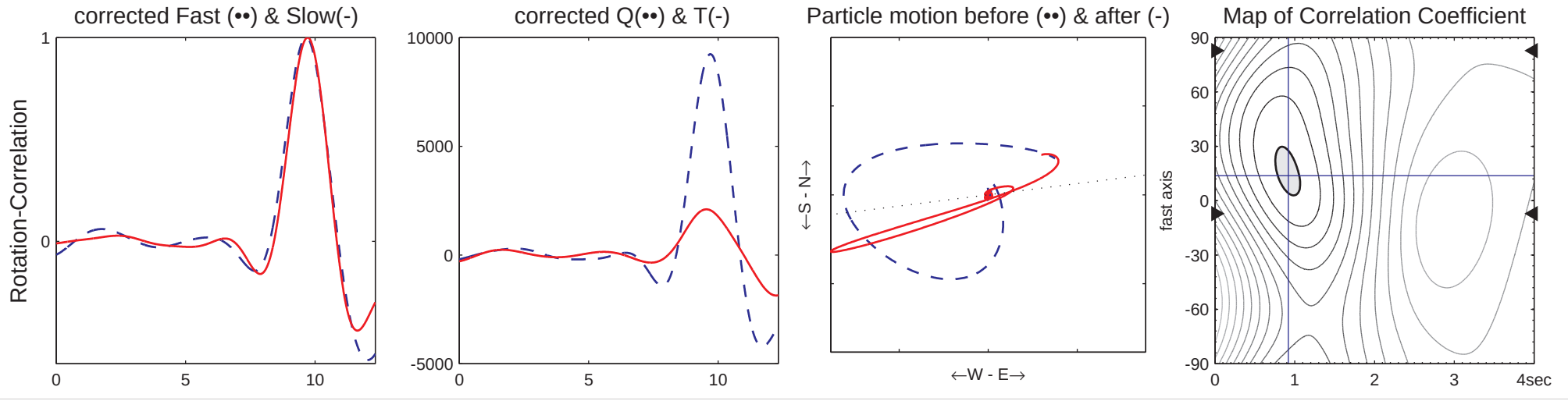
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **KKUL** Backazimuth: **262.8”** Distance: **105.75”**
init.Pol.: **62.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.9**

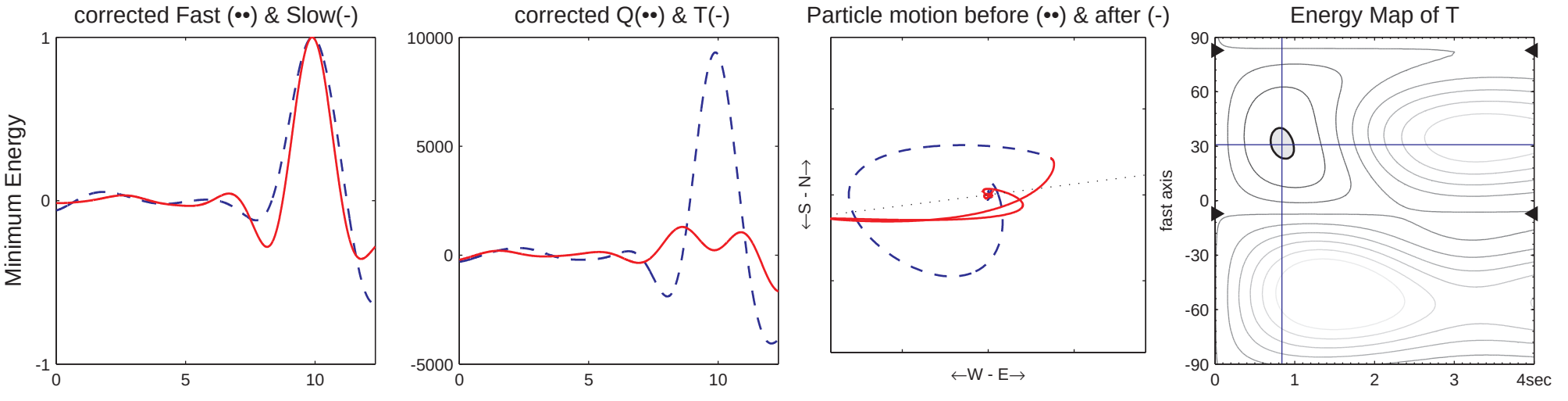
Rotation Correlation:	3<	14° <	30	0.8<0.9s<1.1
Minimum Energy:	23<	31° <	39	0.7<0.8s<1.0
Eigenvalue:	1<	5° <	9	1.0<1.0s<1.1

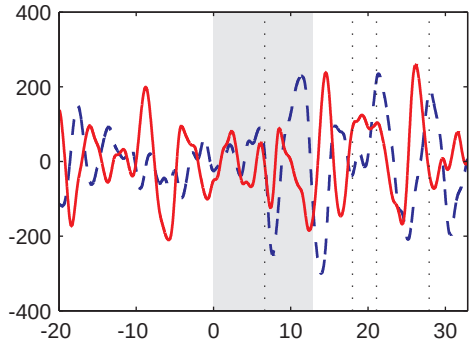
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.6”**



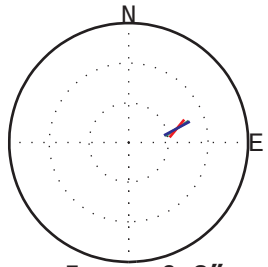




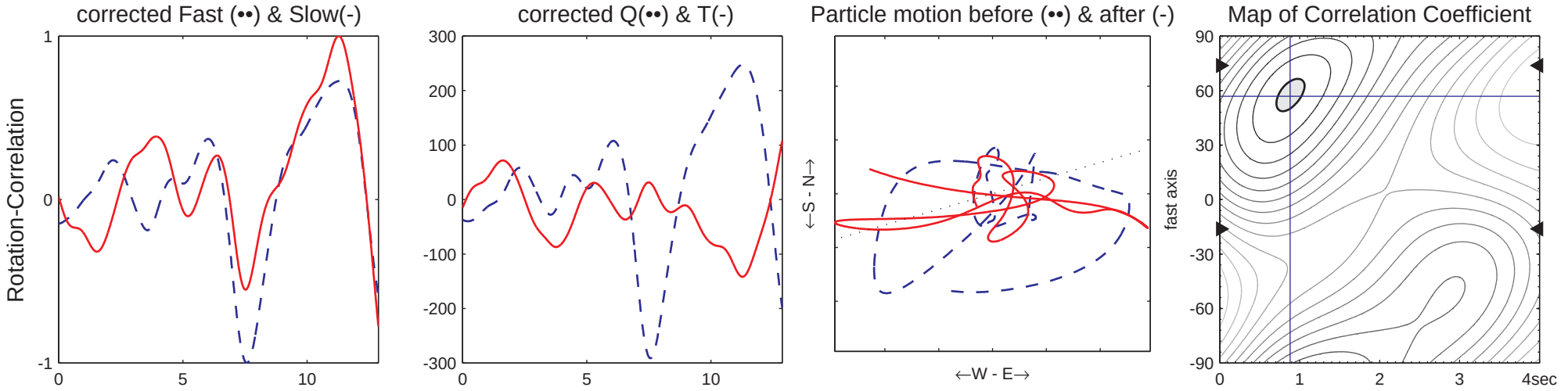
Event: **28-Nov-2011 (332) 12:26 -5.48N 153.73E 25km Mw=6.1**
Station: **KKUL** Backazimuth: **73.8”** Distance: **117.11”**
init.Pol.: **274.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.1**

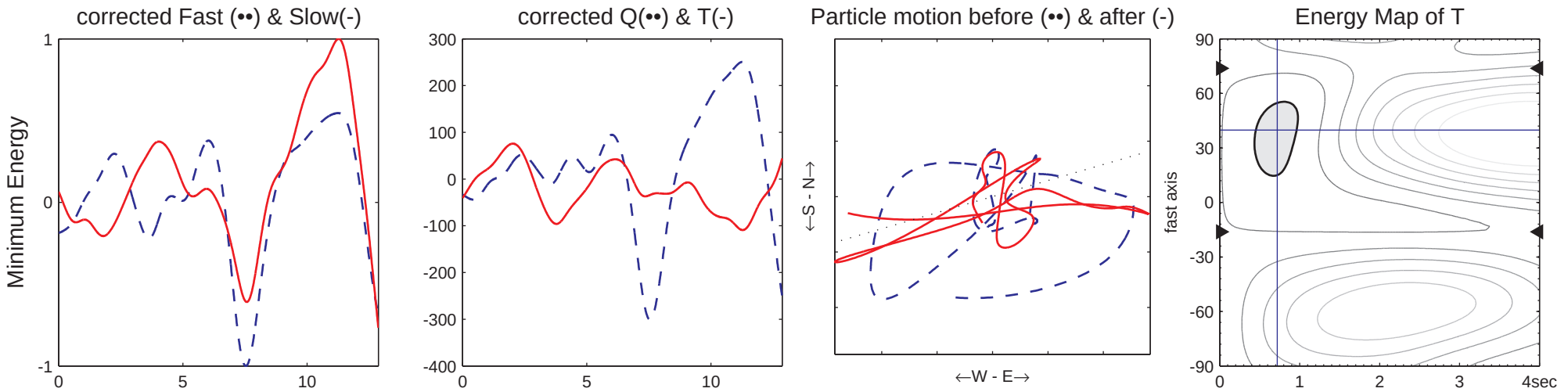
Rotation Correlation:	49<	57° <	67	0.7<0.9s<1.1
Minimum Energy:	15<	40° <	56	0.4<0.7s<1.0
Eigenvalue:	43<	62° <	78	0.7<0.9s<1.2

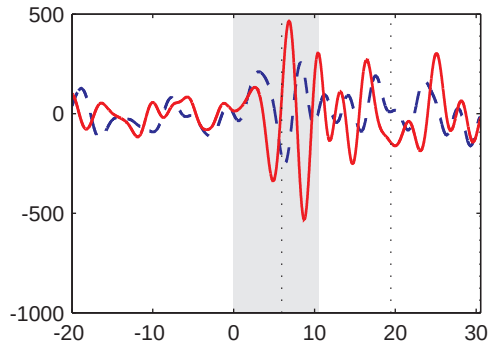
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.3”**



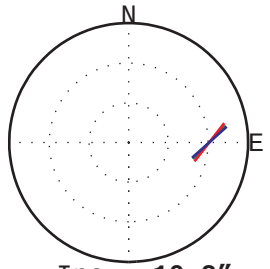




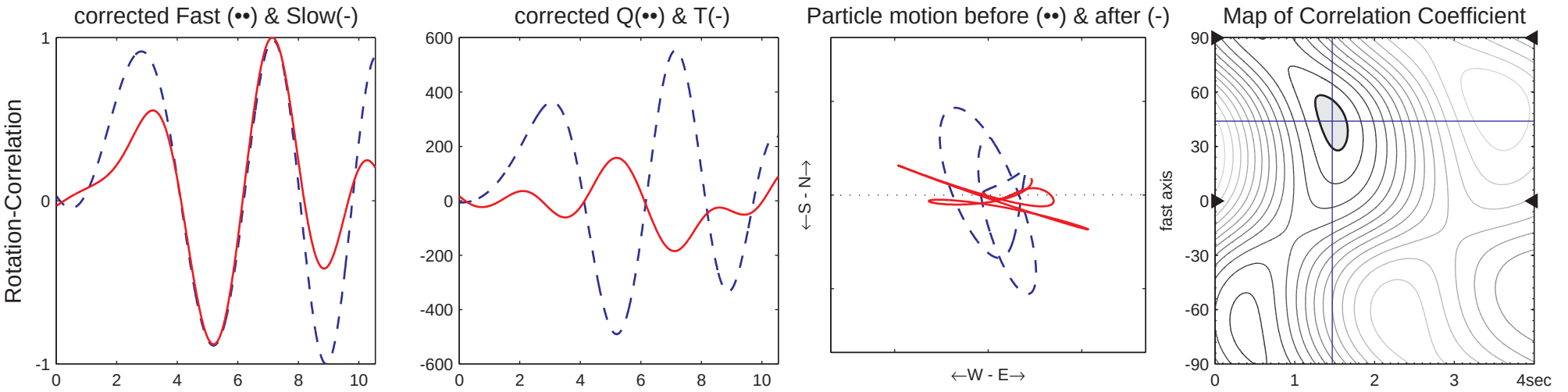
Event: **13-Dec-2011 (347) 07:52 0.04N 123.03E 161km Mw=6.0**
Station: **KKUL** Backazimuth: **89.9”** Distance: **90.06”**
init.Pol.: **288.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

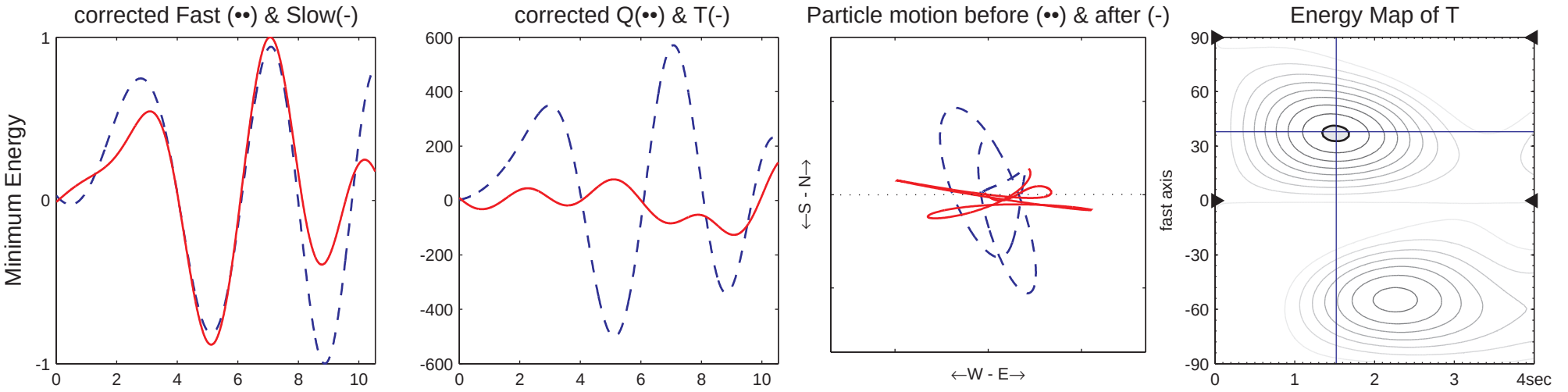
Rotation Correlation:	28<	44° <	58	1.3<1.5s<1.7
Minimum Energy:	33<	38° <	41	1.3<1.5s<1.7
Eigenvalue:	31<	48° <	66	1.2<1.5s<1.6

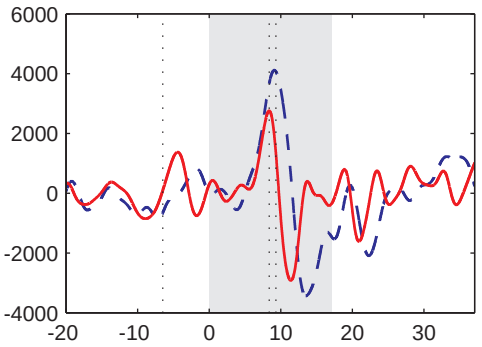
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.2”**



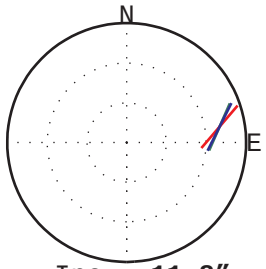




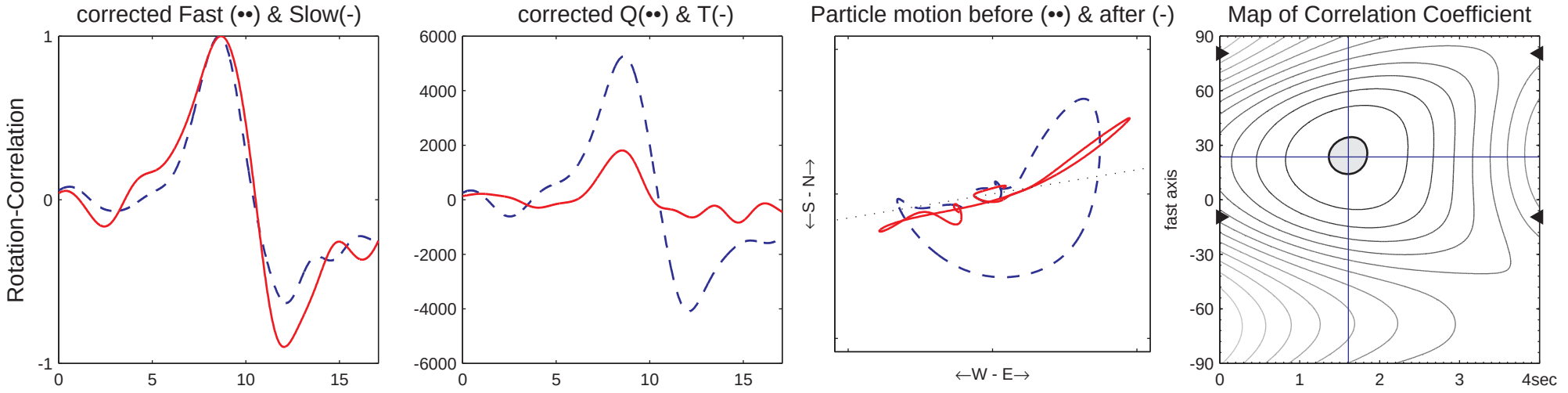
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **KKUL** Backazimuth: **80.5”** Distance: **113.22”**
init.Pol.: **248.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

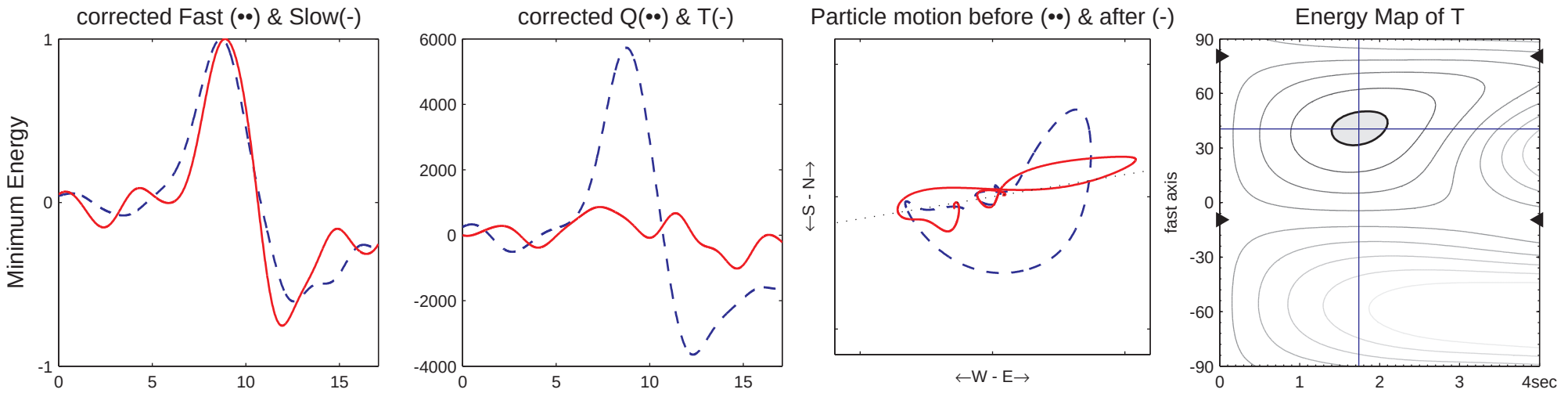
Rotation Correlation:	15<	24° <	35	1.4<1.6s<1.8
Minimum Energy:	31<	41° <	50	1.4<1.7s<2.1
Eigenvalue:	17<	27° <	35	1.5<1.7s<1.8

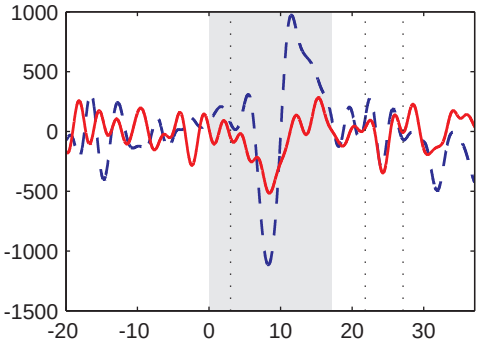
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.8”**



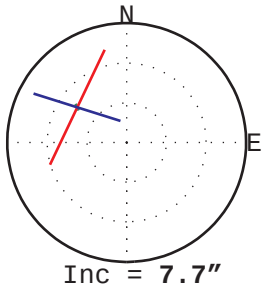


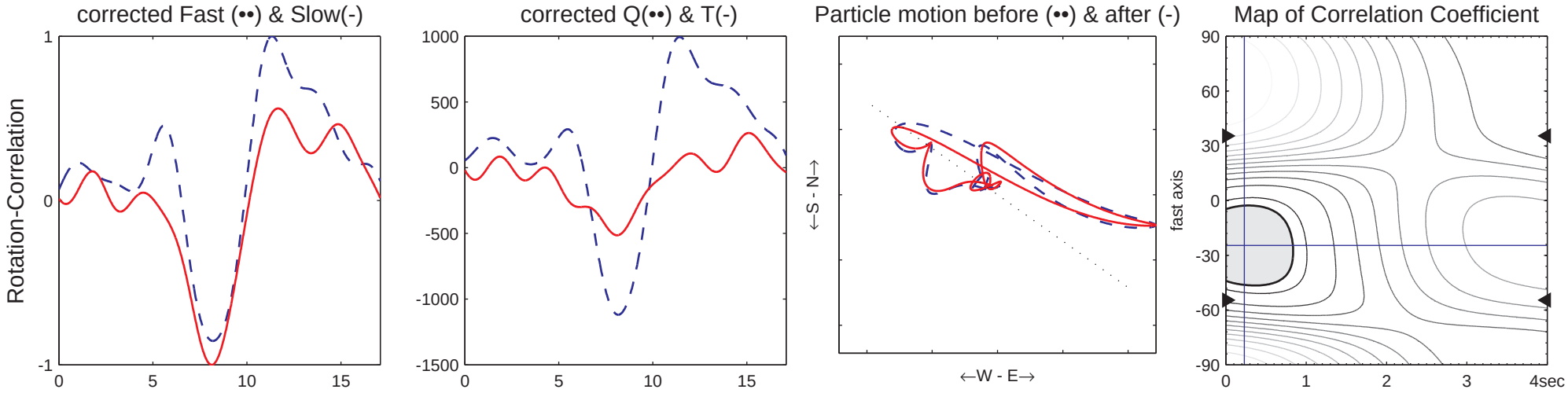


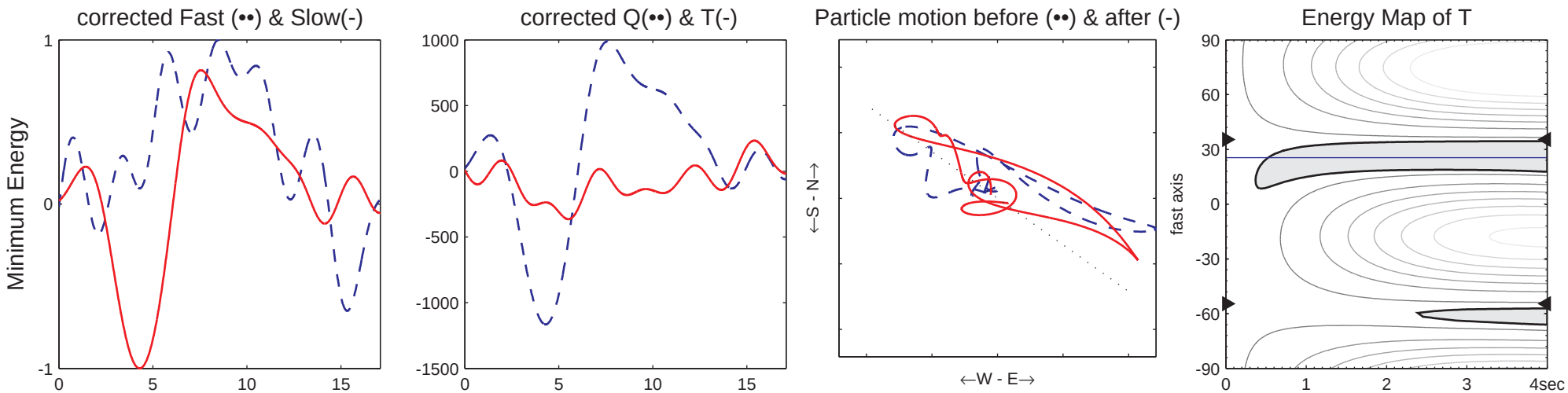
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **KKUL** Backazimuth: **305.4”** Distance: **106.11”**
init.Pol.: **99.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.2**

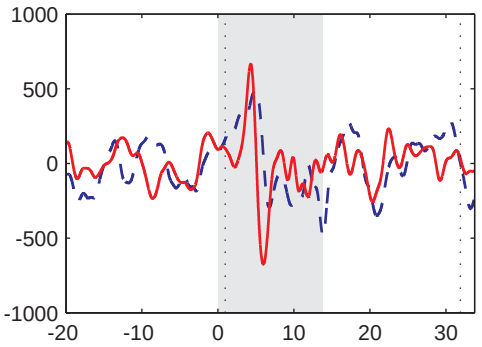
Rotation Correlation:	-48<	-25° <	-4	0.0<0.2s<0.8
Minimum Energy:	9<	25° <	35	0.4<4.0s<4.0
Eigenvalue:	-84<	-73° <	-52	0.4<2.9s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





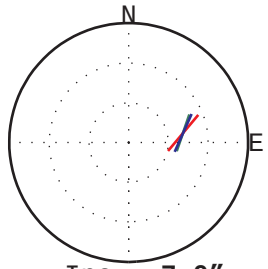


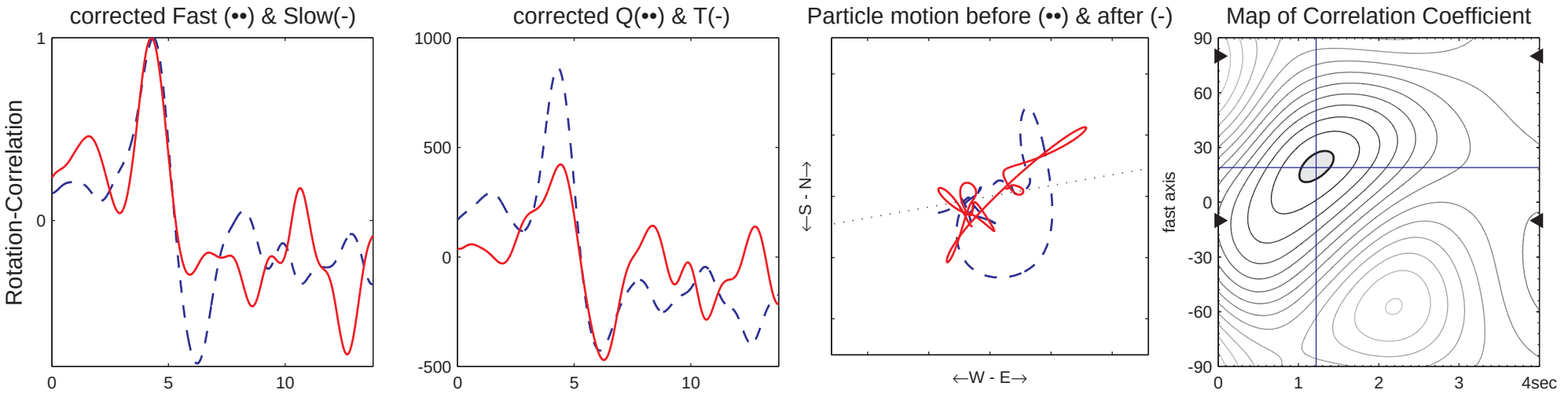


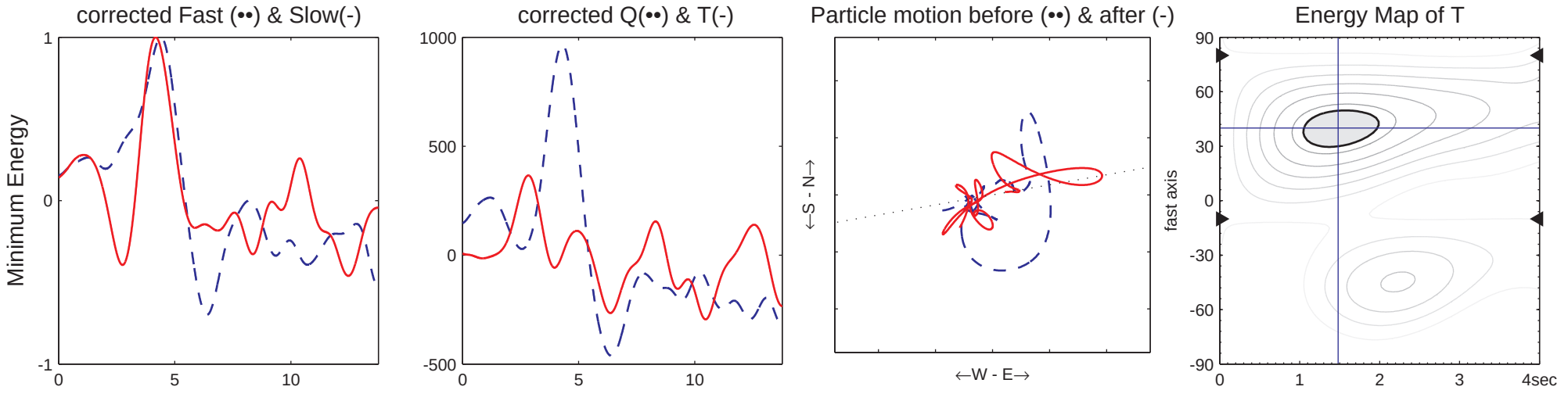
Event: **21-Mar-2012 (081) 22:15 -6.24N 145.96E 118km Mw=6.6**
Station: **KKUL** Backazimuth: **80.0”** Distance: **111.73”**
init.Pol.: **236.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

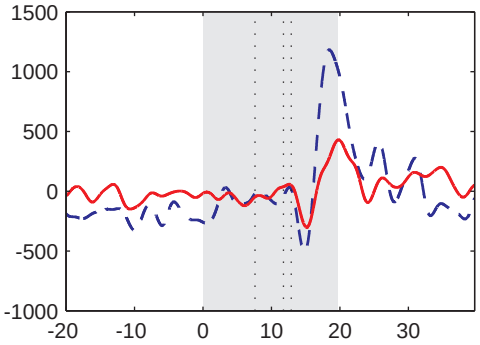
Rotation Correlation:	11<	19° <	28	1.0<1.2s<1.4
Minimum Energy:	29<	40° <	50	1.0<1.5s<2.0
Eigenvalue:	9<	24° <	37	0.9<1.3s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





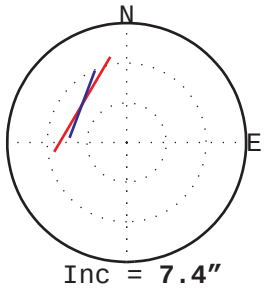


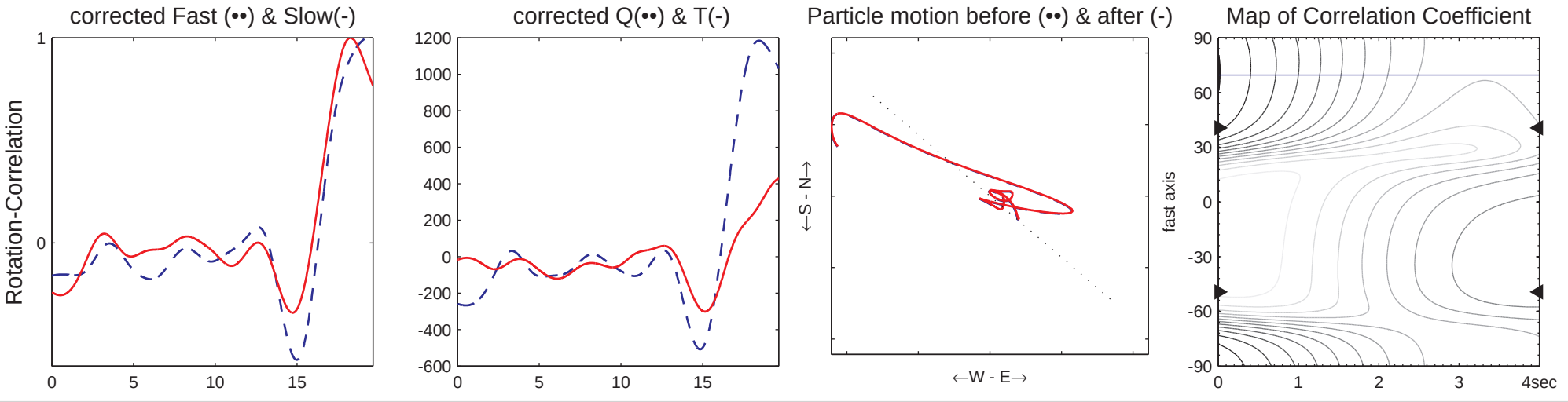


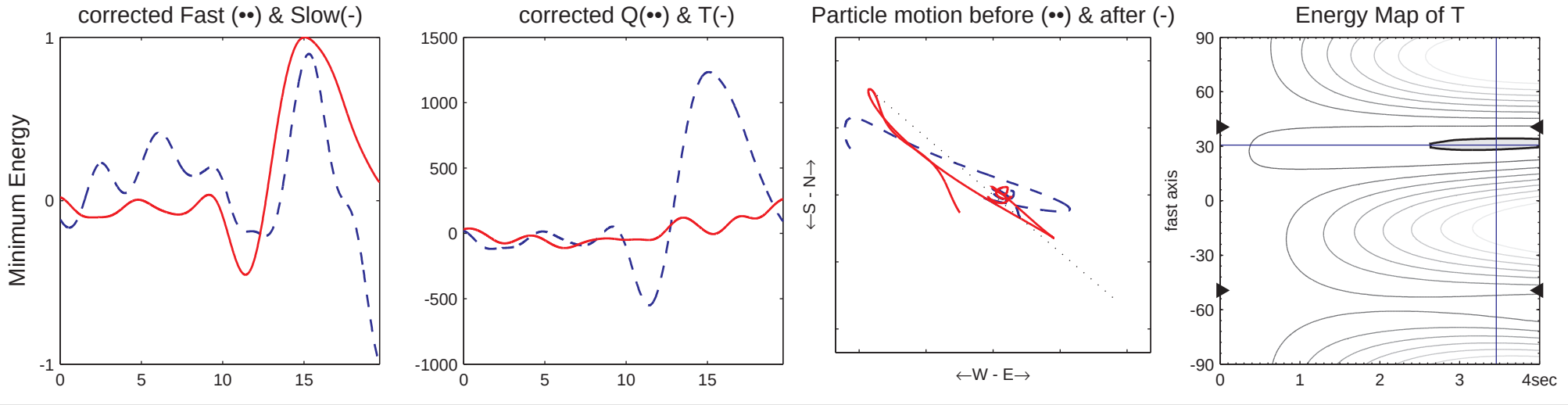
Event: **02-Apr-2012 (093) 17:36 16.40N -98.32E 9km Mw=6.0**
Station: **KKUL** Backazimuth: **310.6”** Distance: **108.18”**
init.Pol.: **117.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

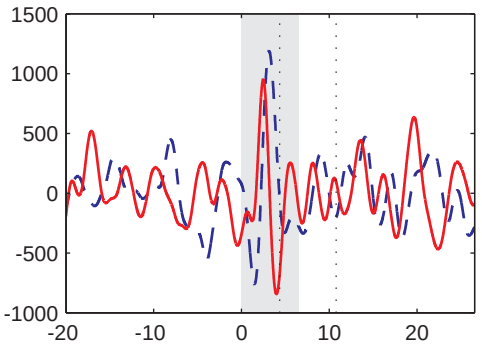
Rotation Correlation:	61<	70° <	81	0.0<0.0s<0.0
Minimum Energy:	27<	31° <	33	2.6<3.5s<4.0
Eigenvalue:	17<	21° <	25	1.4<2.3s<3.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





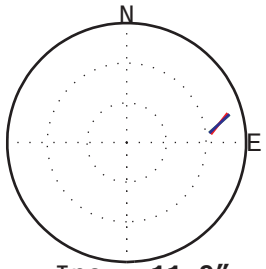




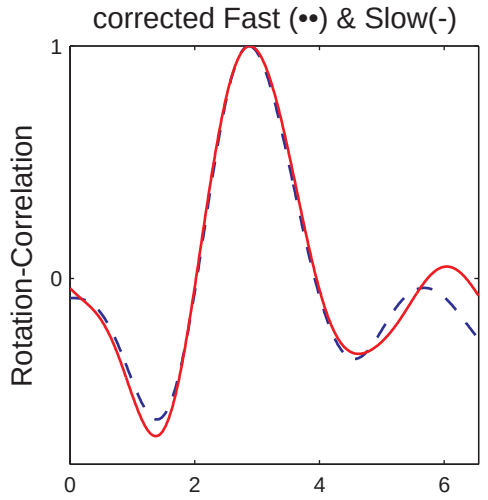
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **KKUL** Backazimuth: **78.5”** Distance: **112.12”**
init.Pol.: **267.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.0**

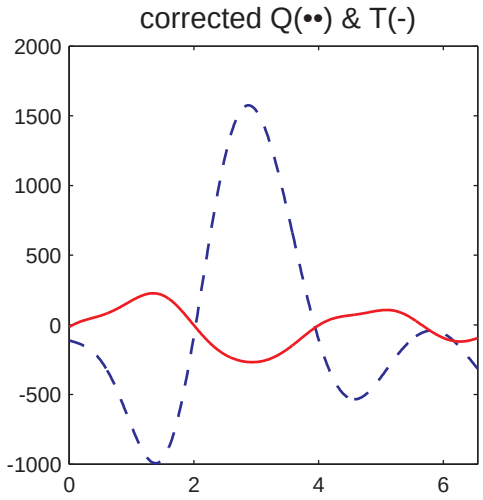
Rotation Correlation:	35<	49° <	65	0.7<0.8s<1.0
Minimum Energy:	33<	39° <	43	0.7<0.8s<0.9
Eigenvalue:	41<	47° <	56	0.8<0.9s<0.9

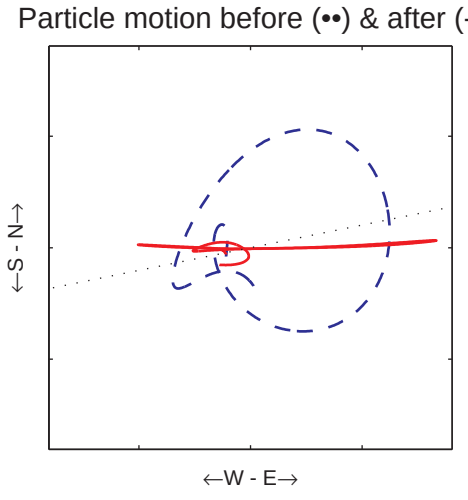
Quality: **fair** IsNull: **No** Phase: **SKKS**

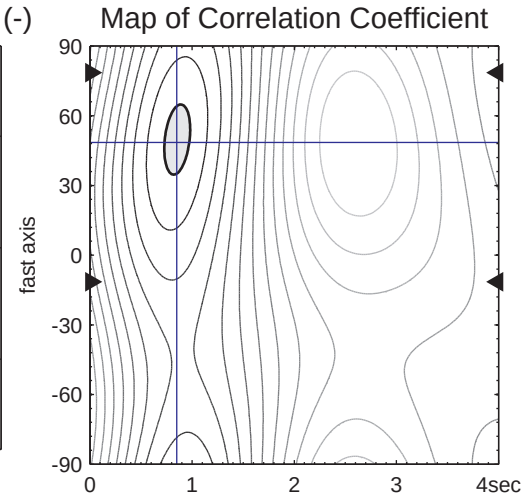


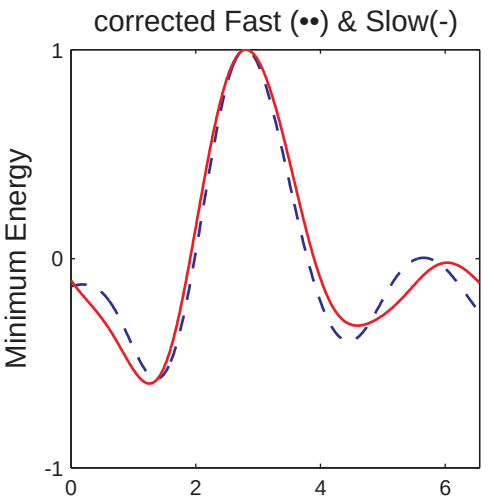
Inc = **11.9”**

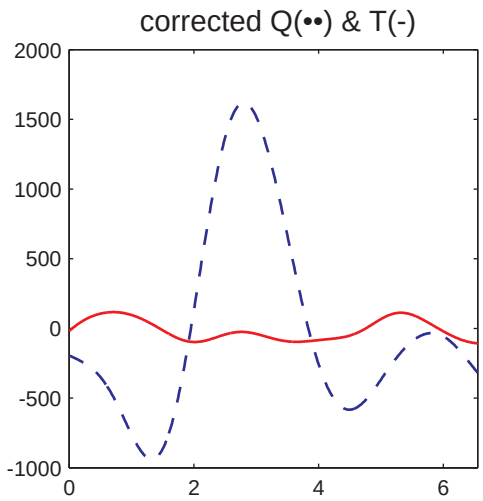


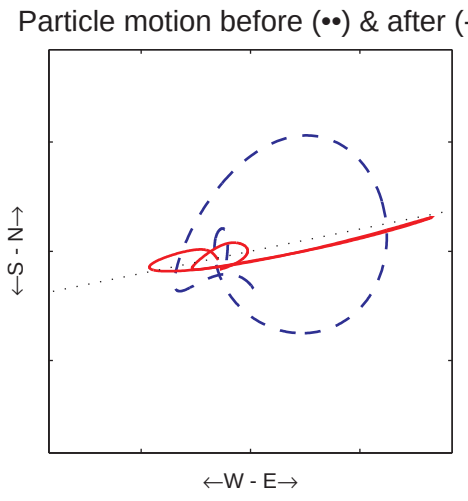


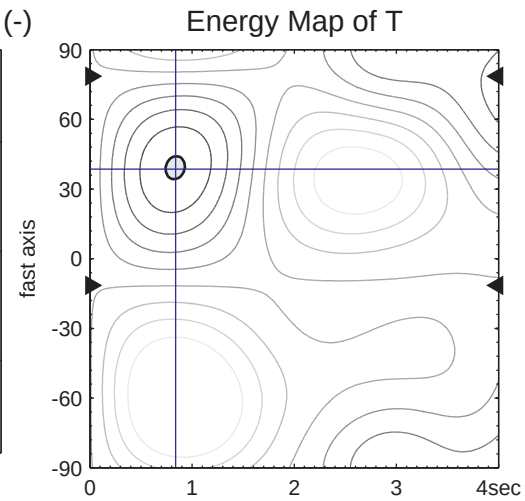


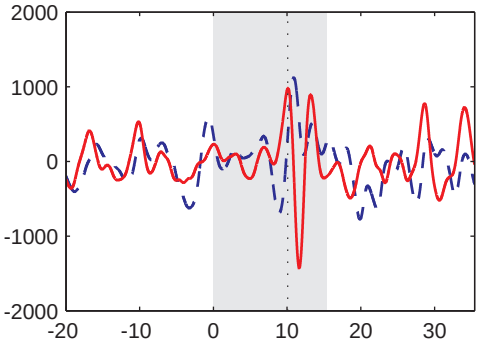








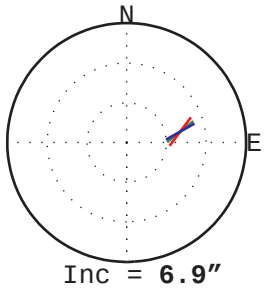


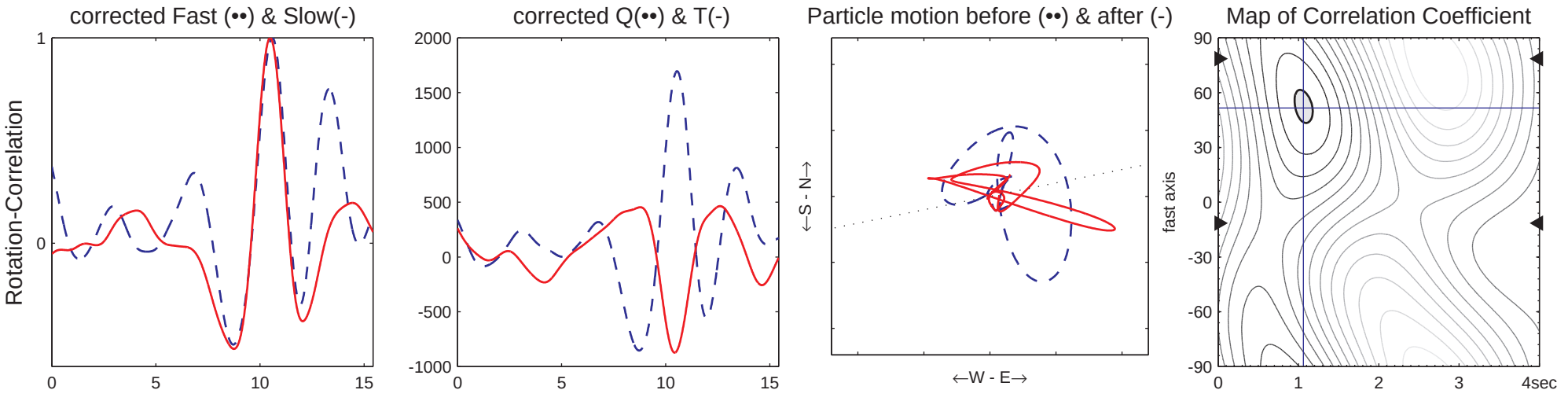


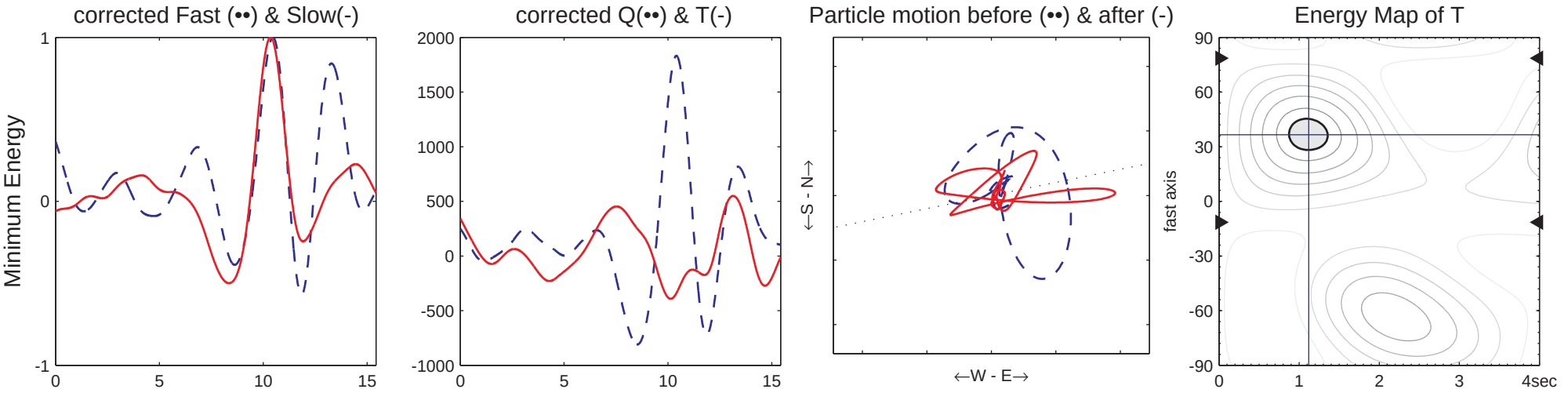
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **KKUL** Backazimuth: **78.5”** Distance: **112.12”**
init.Pol.: **295.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.8**

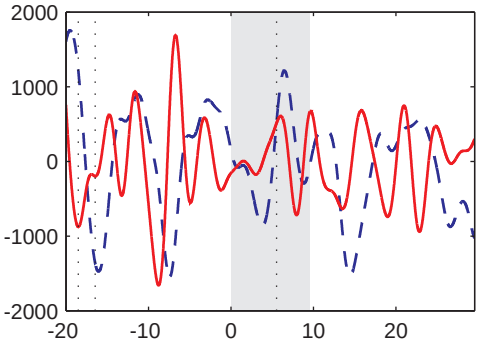
Rotation Correlation:	44<	52° <	62	1.0<1.1s<1.2
Minimum Energy:	27<	37° <	46	0.9<1.1s<1.4
Eigenvalue:	48<	61° <	78	0.8<1.0s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





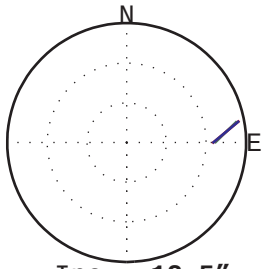




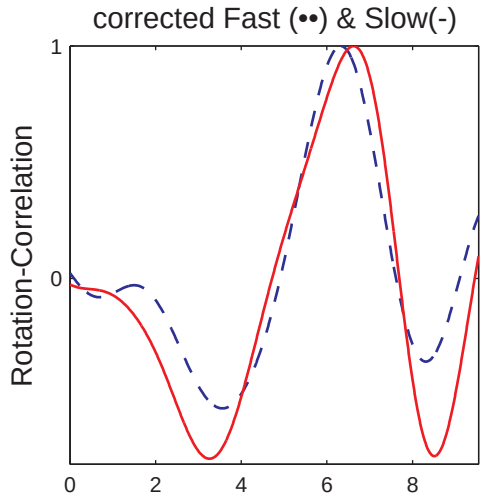
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **KKUL** Backazimuth: **84.0”** Distance: **99.81”**
init.Pol.: **262.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

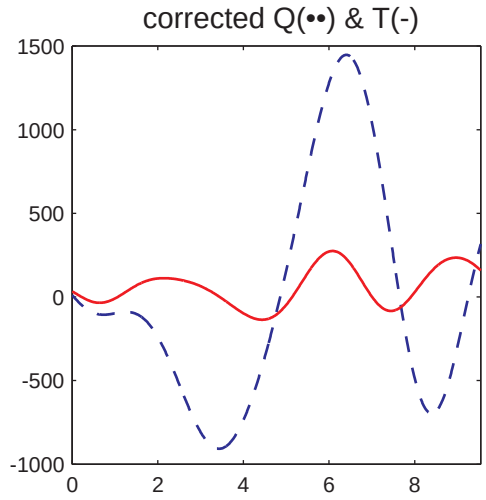
Rotation Correlation:	36<	46° <	55	0.8<1.0s<1.1
Minimum Energy:	46<	50° <	58	0.9<1.1s<1.3
Eigenvalue:	41<	50° <	60	0.9<1.1s<1.2

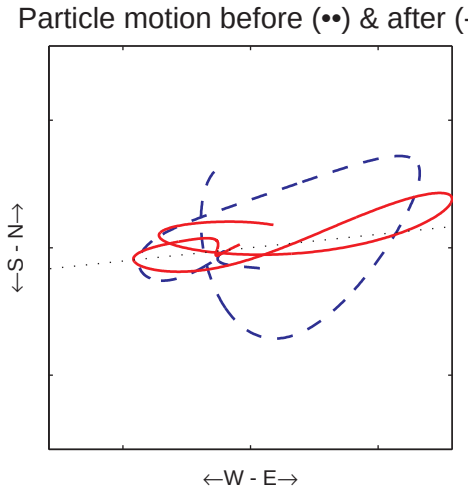
Quality: **good** IsNull: **No** Phase: **SKKS**

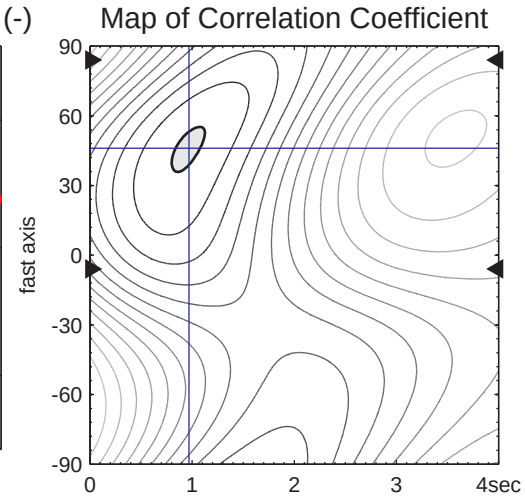


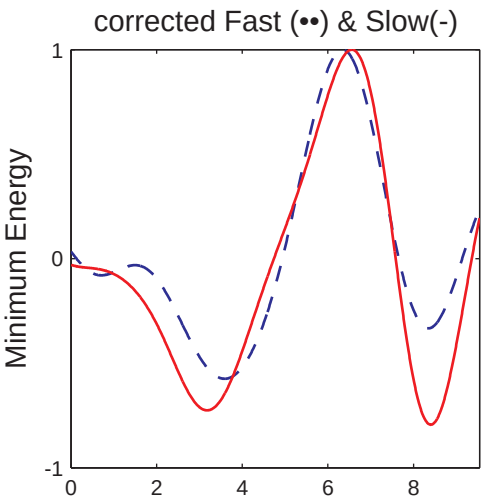
Inc = **12.5”**

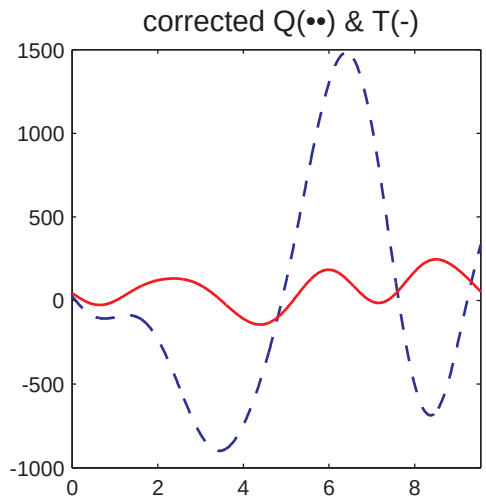


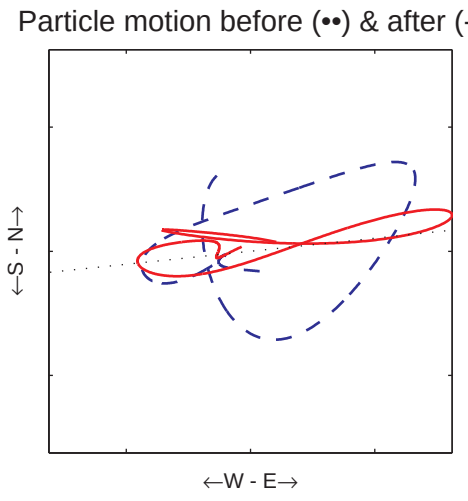


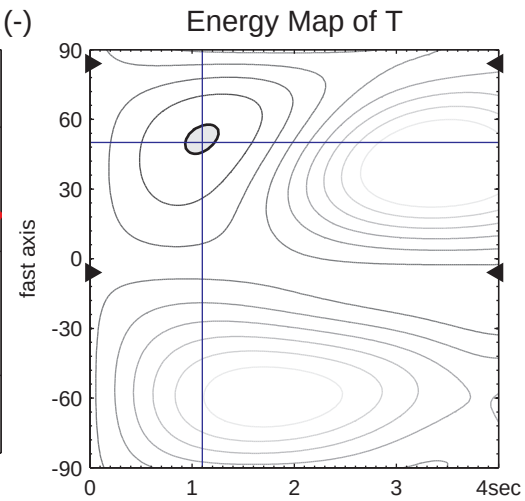


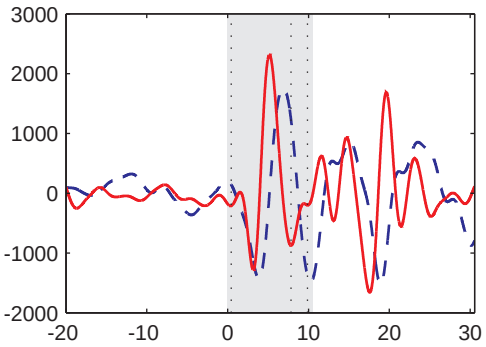








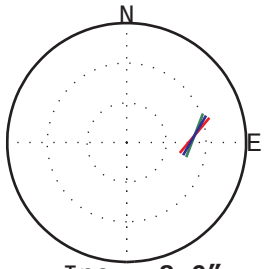




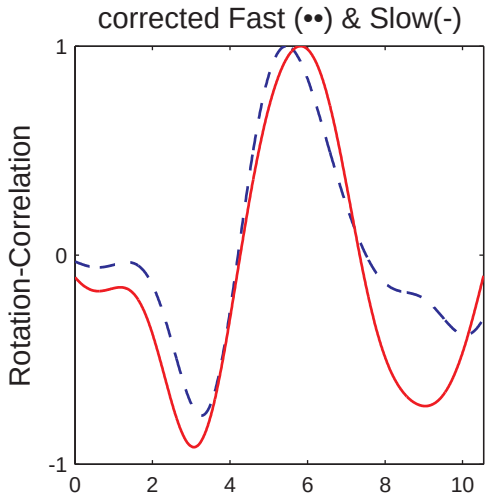
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **KKUL** Backazimuth: **84.0”** Distance: **99.81”**
init.Pol.: **253.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

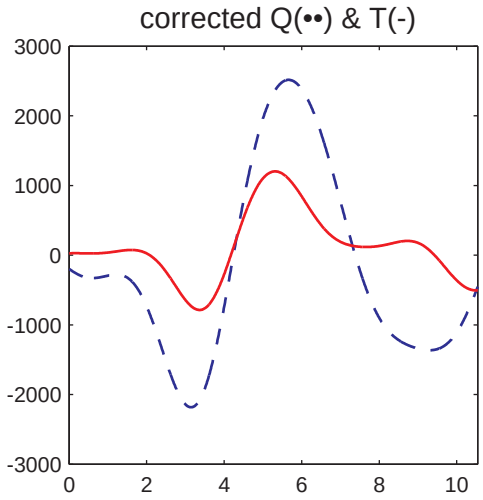
Rotation Correlation:	2<	21° <	41	1.2<1.5s<1.7
Minimum Energy:	33<	40° <	48	1.2<1.4s<1.7
Eigenvalue:	17<	30° <	43	1.3<1.4s<1.6

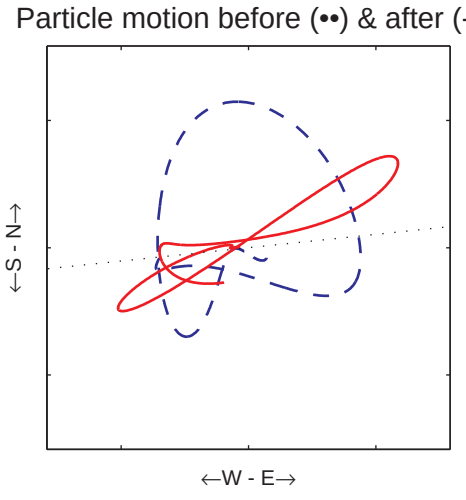
Quality: **fair** IsNull: **No** Phase: **SKS**

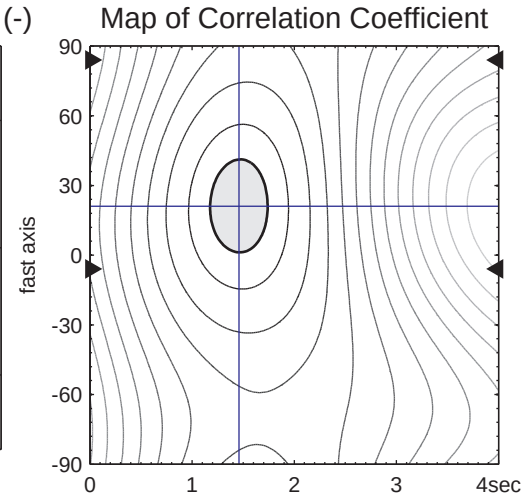


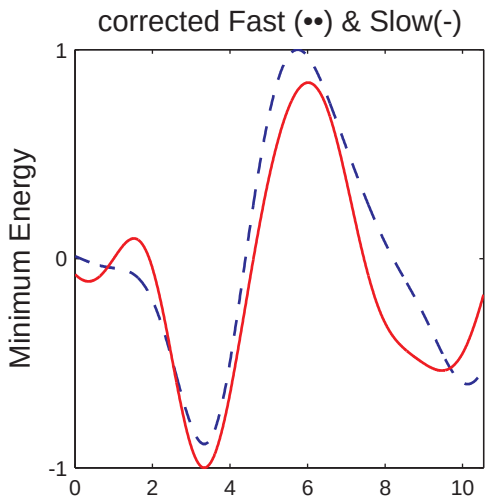
Inc = **8.6”**

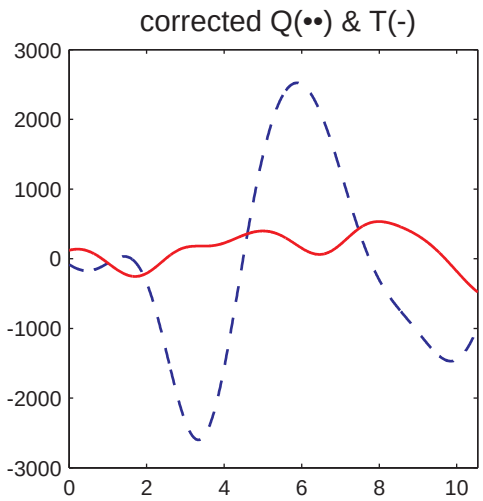


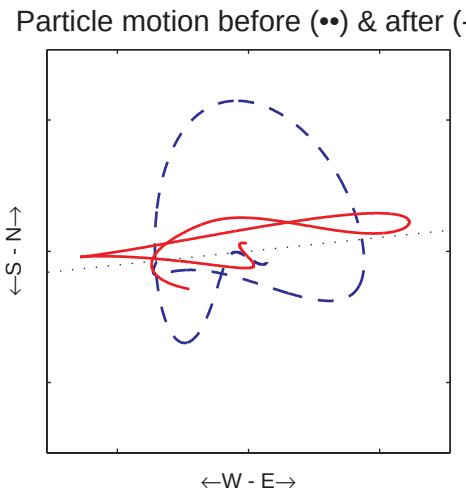


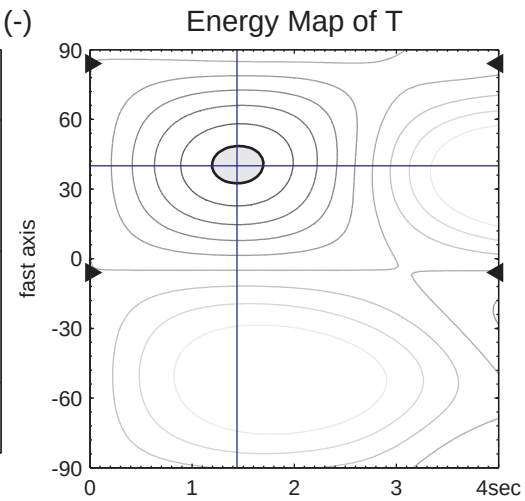


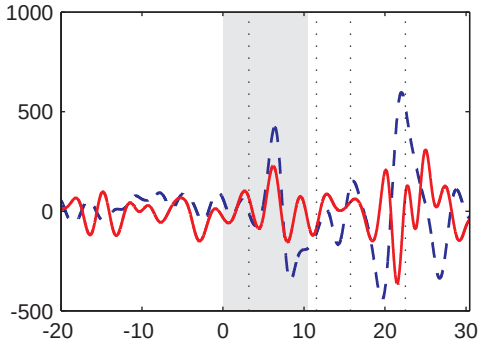








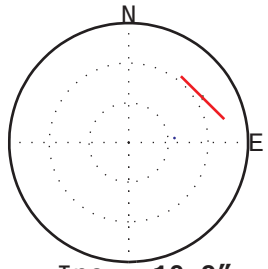




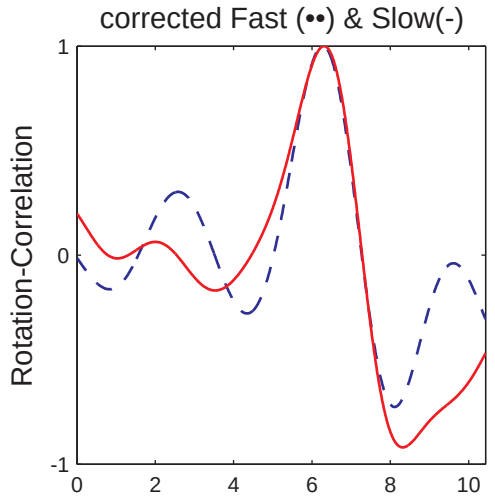
Event: **26-May-2012 (147) 21:48 26.91N 140.06E 487km Mw=6.0**
Station: **KKUL** Backazimuth: **58.8”** Distance: **85.29”**
init.Pol.: **203.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.9**

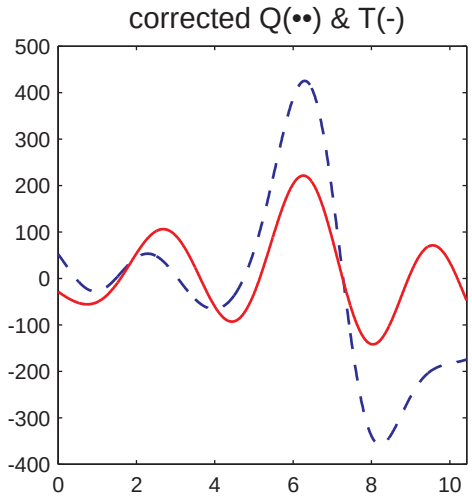
Rotation Correlation:	-28<	-7° <	14	0.0<0.1s<0.5
Minimum Energy:	-56<	-45° <	-39	1.2<1.9s<2.7
Eigenvalue:	25<	35° <	46	2.5<3.1s<3.7

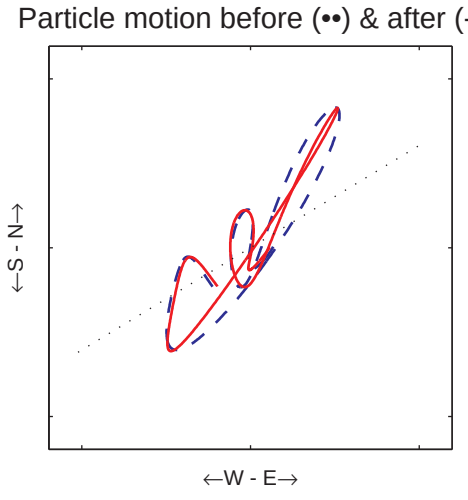
Quality: **good** IsNull: **Yes** Phase: **SKS**

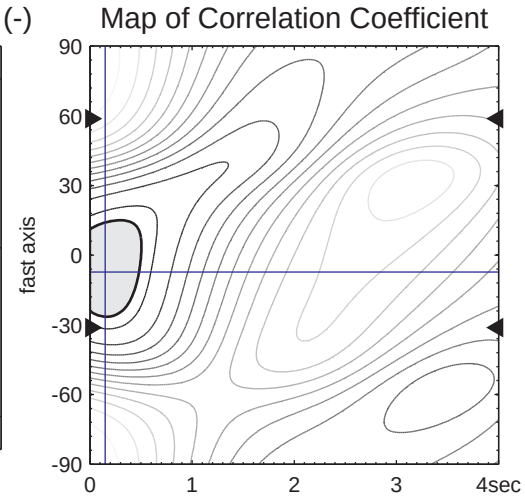


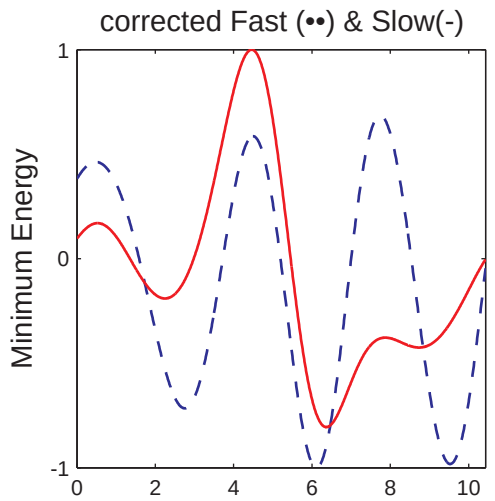
Inc = **10.9”**

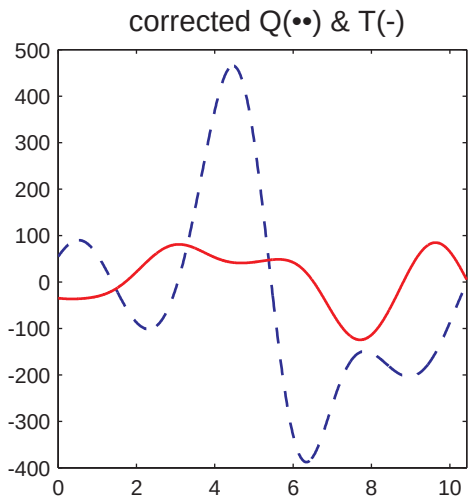


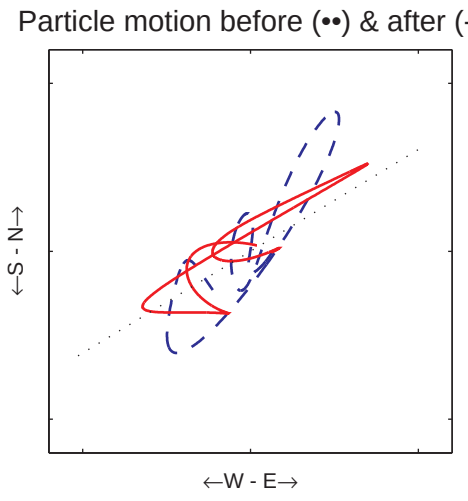


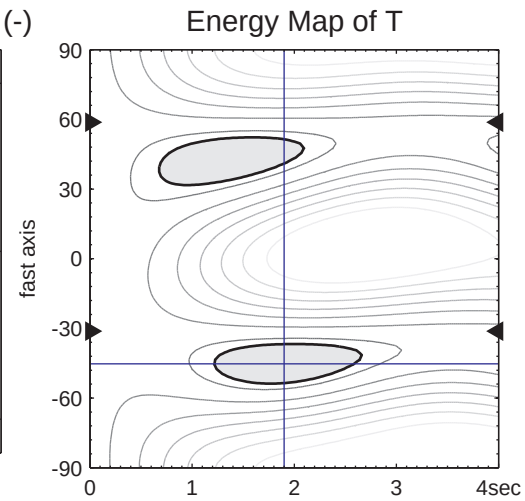


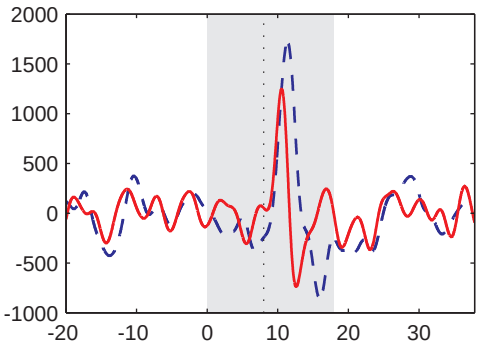








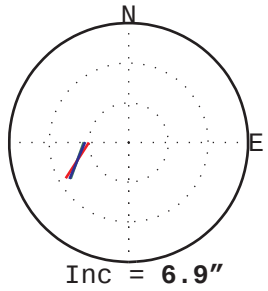


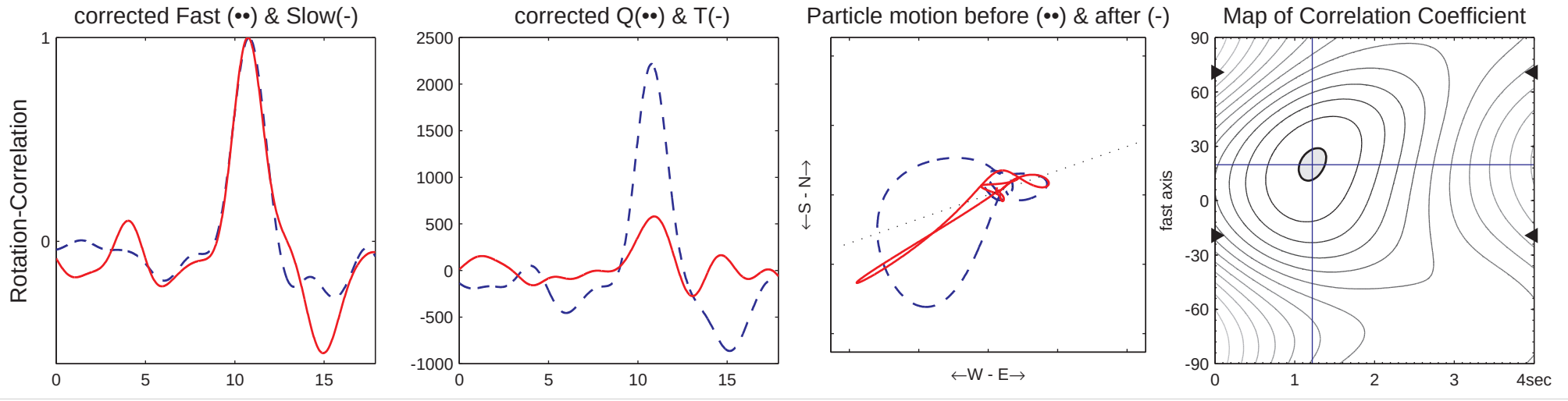


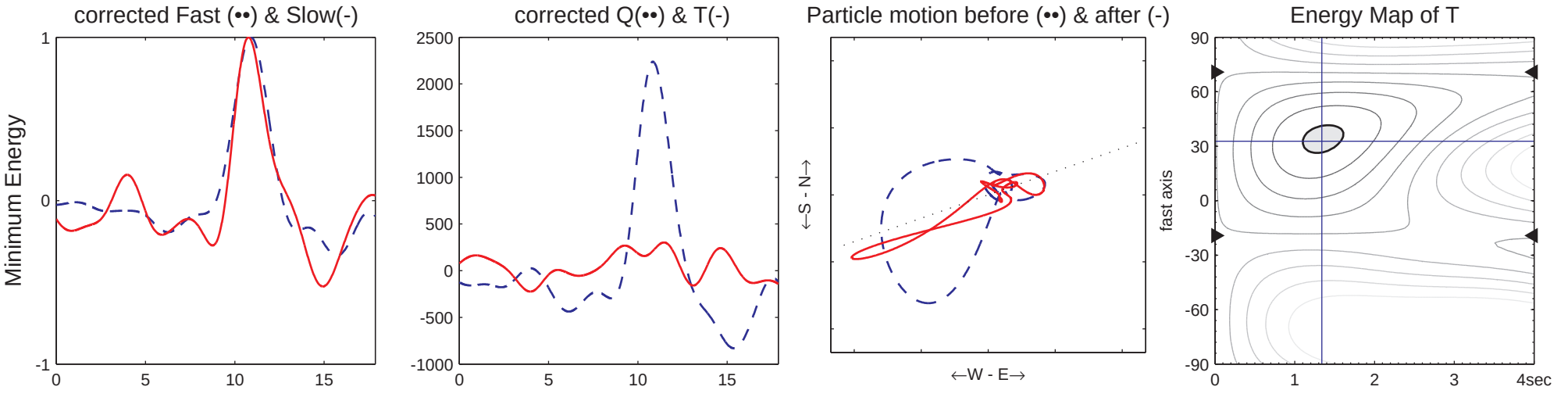
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **KKUL** Backazimuth: **250.8”** Distance: **111.63”**
init.Pol.: **60.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

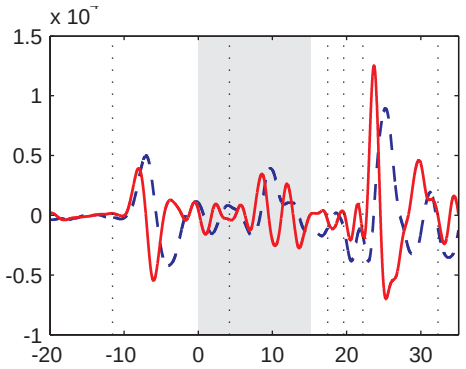
Rotation Correlation:	11<	20° <	29	1.1<1.2s<1.4
Minimum Energy:	27<	33° <	41	1.1<1.3s<1.6
Eigenvalue:	13<	23° <	31	1.1<1.3s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





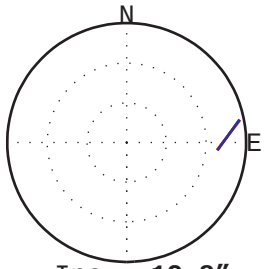




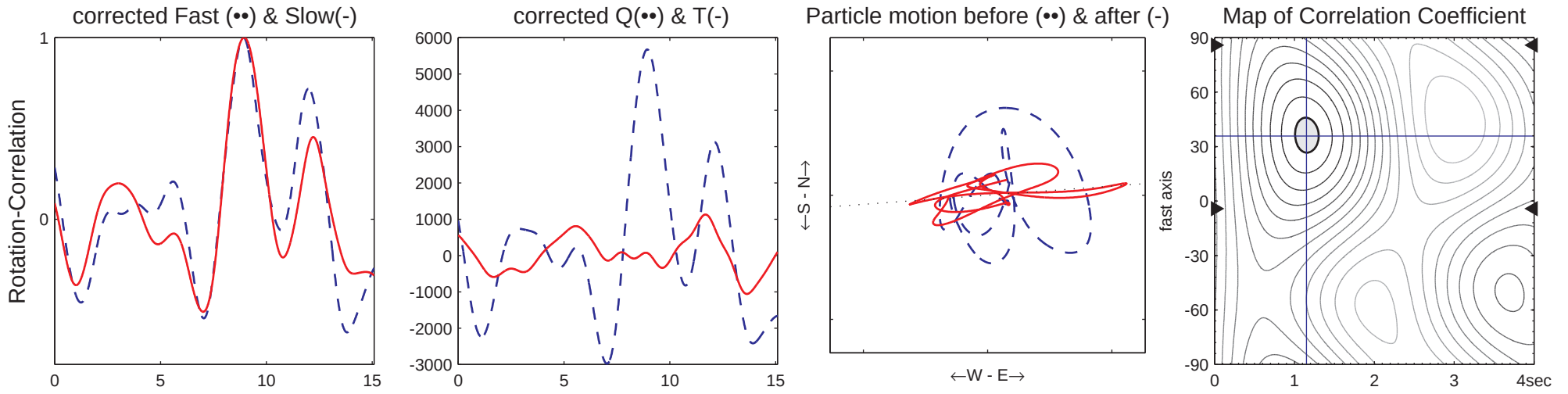
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **KKUL** Backazimuth: **85.8”** Distance: **91.65”**
init.Pol.: **262.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

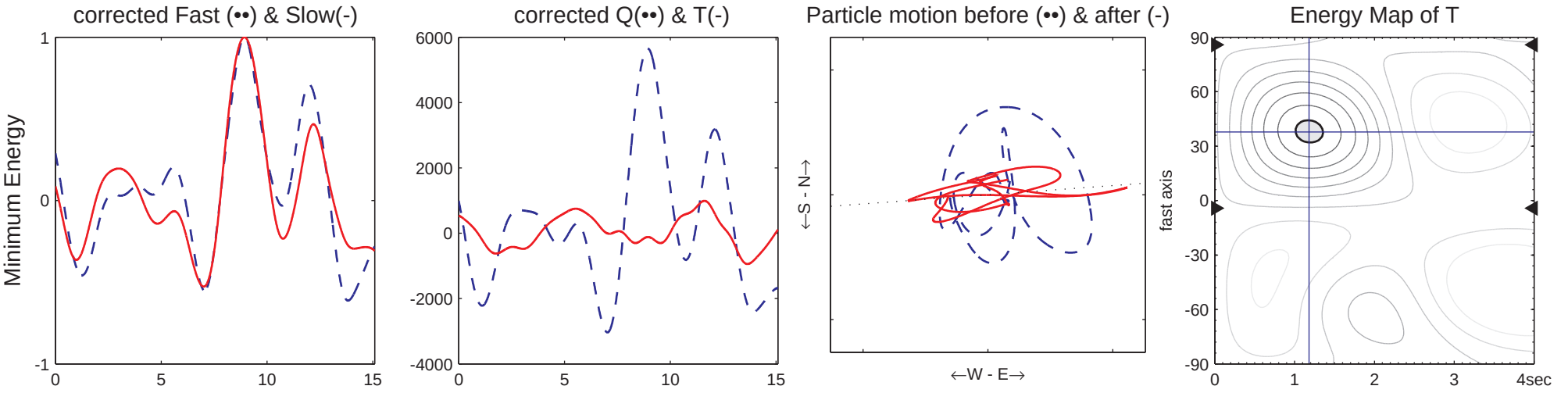
Rotation Correlation:	27<	36° <	46	1.0<1.2s<1.3
Minimum Energy:	31<	38° <	43	1.0<1.2s<1.4
Eigenvalue:	25<	36° <	46	1.0<1.2s<1.4

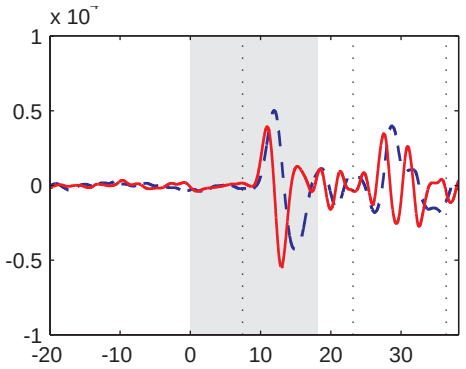
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.8”**



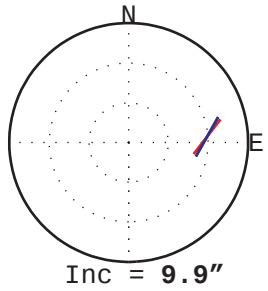


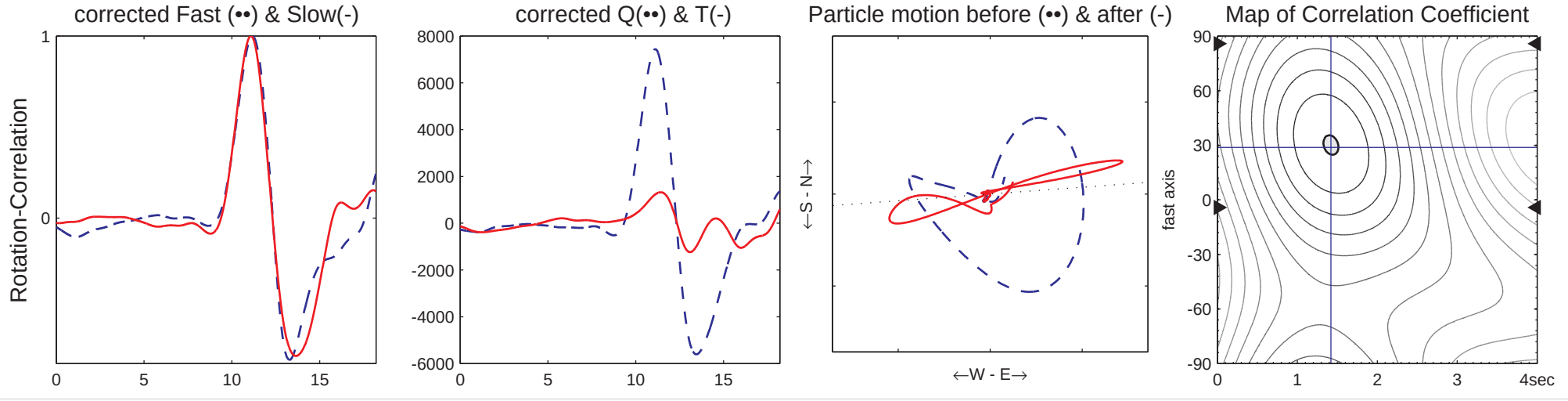


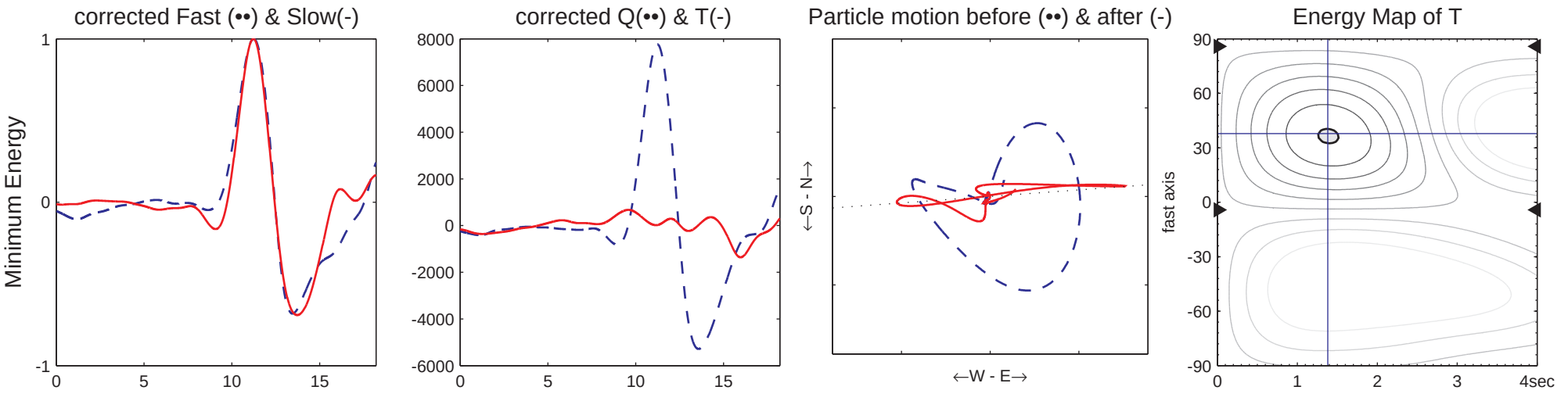
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **KKUL** Backazimuth: **85.8”** Distance: **91.65”**
init.Pol.: **257.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.7**

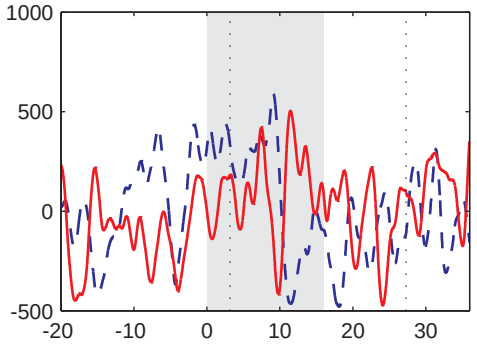
Rotation Correlation:	25<	29° <	36	1.3<1.4s<1.5
Minimum Energy:	33<	38° <	39	1.3<1.4s<1.5
Eigenvalue:	23<	30° <	35	1.3<1.4s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





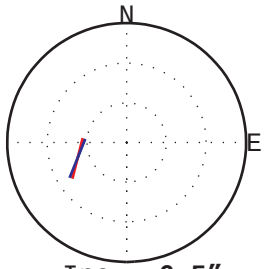


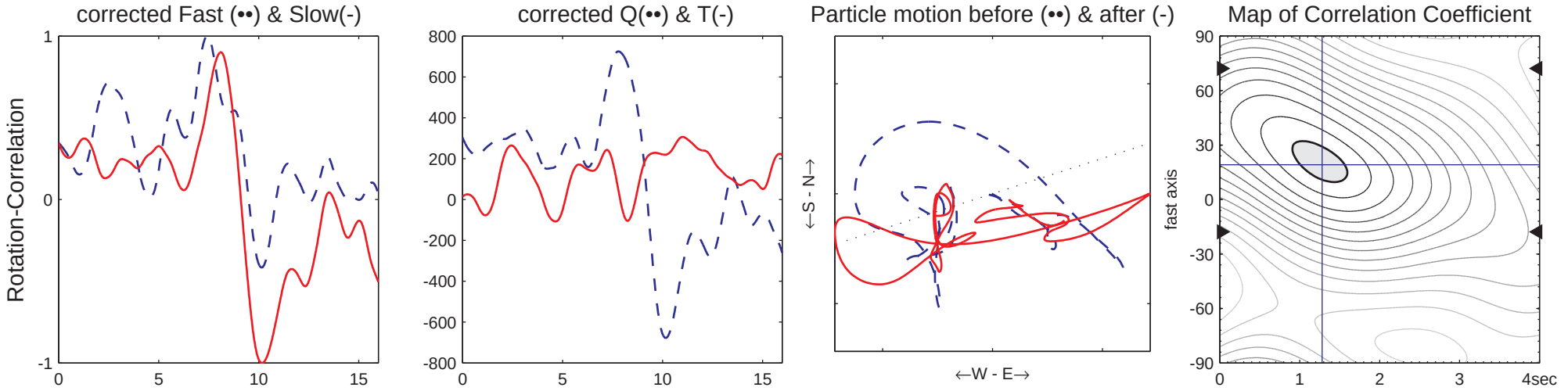


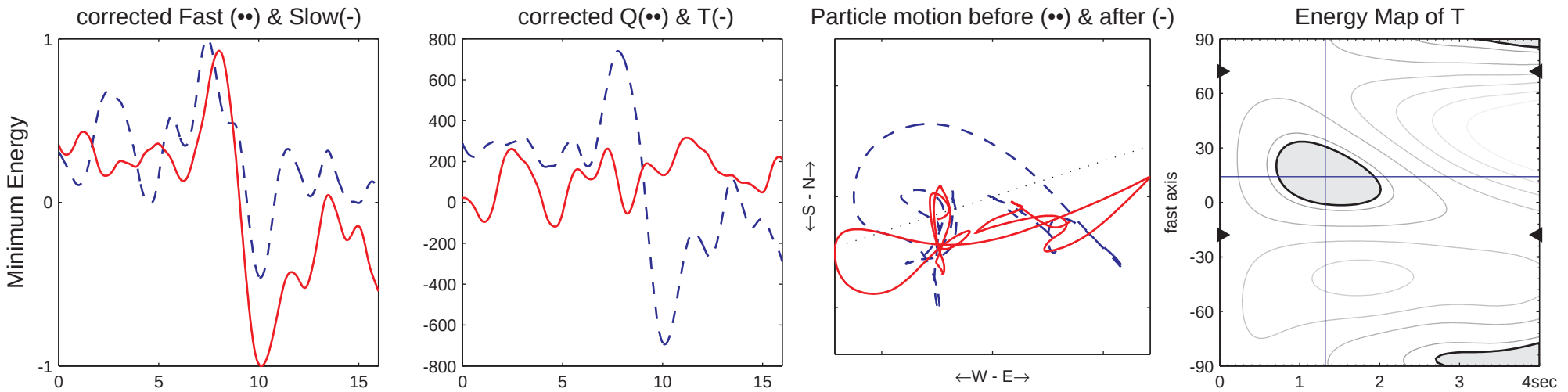
Event: **12-Sep-2006 (255) 13:30 -28.79N -68.64E 123km** Mw=**6.0**
Station: **KONT** Backazimuth: **252.2”** Distance: **115.34”**
init.Pol.: **84.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

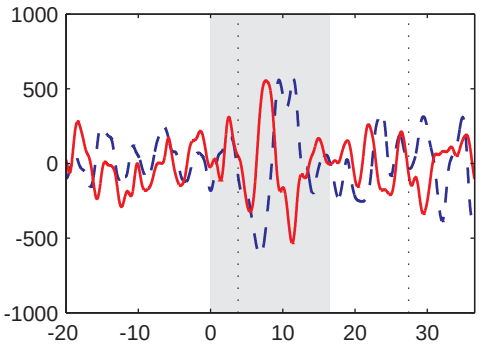
Rotation Correlation:	10<	19° <	33	0.9<1.3s<1.6
Minimum Energy:	-1<	14° <	33	0.7<1.3s<2.0
Eigenvalue:	13<	22° <	37	0.9<1.3s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





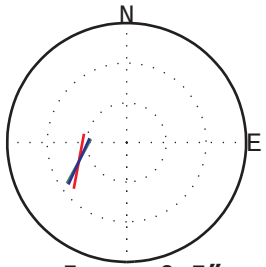




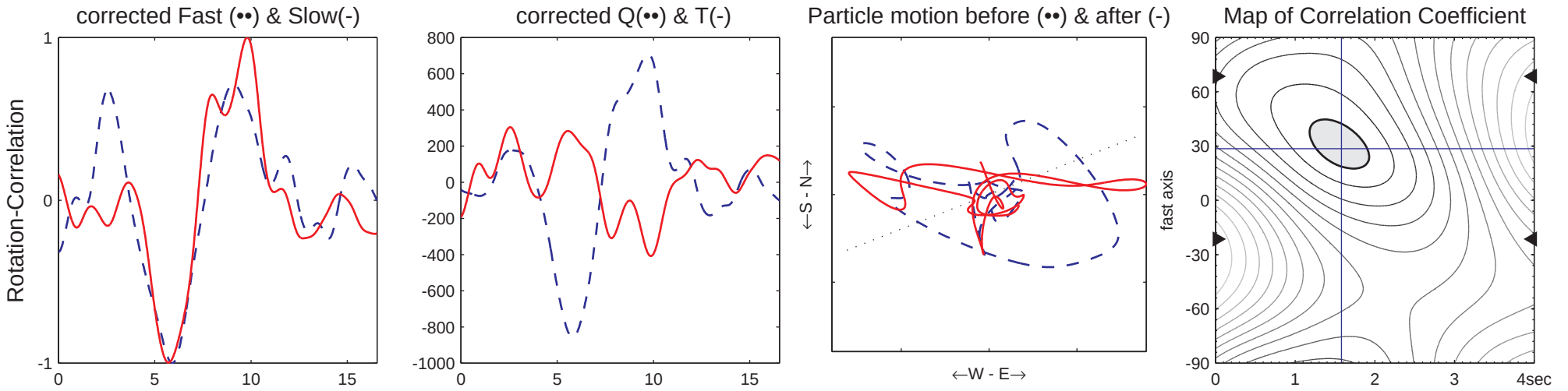
Event: **17-Sep-2006 (260) 09:34 -31.73N -67.00E 141km** Mw=**6.2**
Station: **KONT** Backazimuth: **248.6”** Distance: **115.63”**
init.Pol.: **86.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.4**

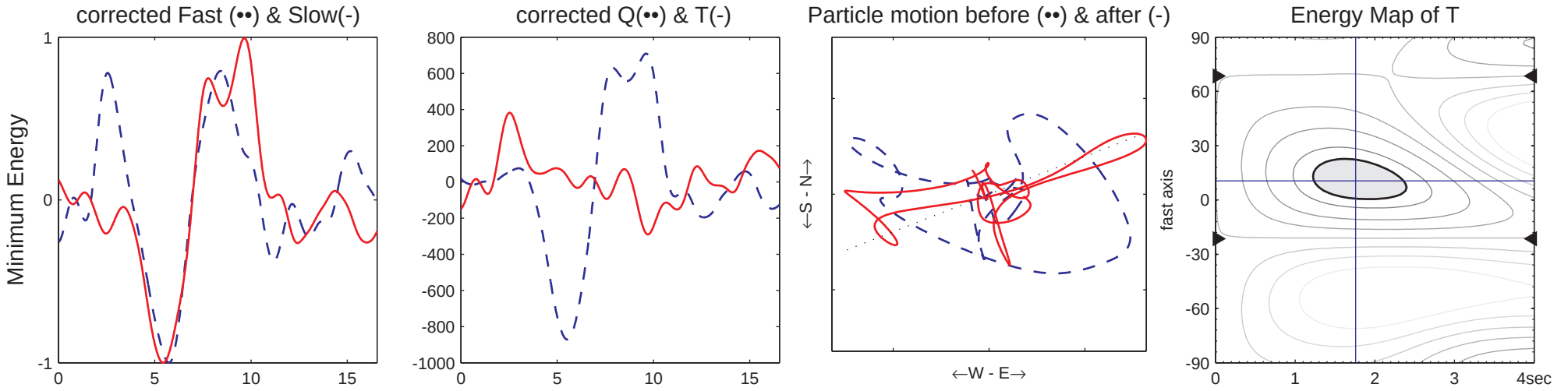
Rotation Correlation:	18<	29° <	45	1.2<1.6s<1.9
Minimum Energy:	1<	11° <	23	1.2<1.8s<2.4
Eigenvalue:	9<	25° <	43	1.1<1.6s<2.1

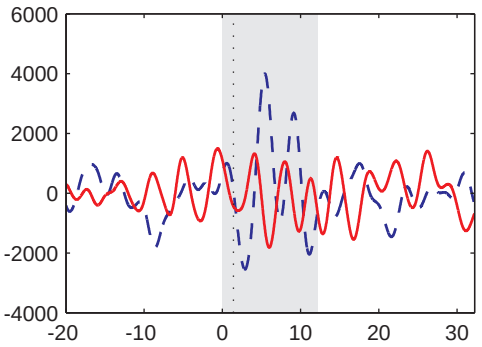
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.5”**



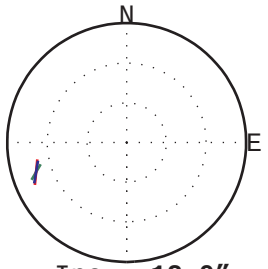




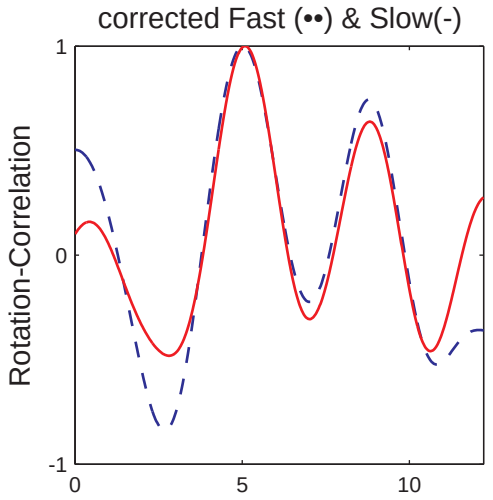
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km Mw=6.8**
Station: **KONT** Backazimuth: **251.9”** Distance: **109.81”**
init.Pol.: **73.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

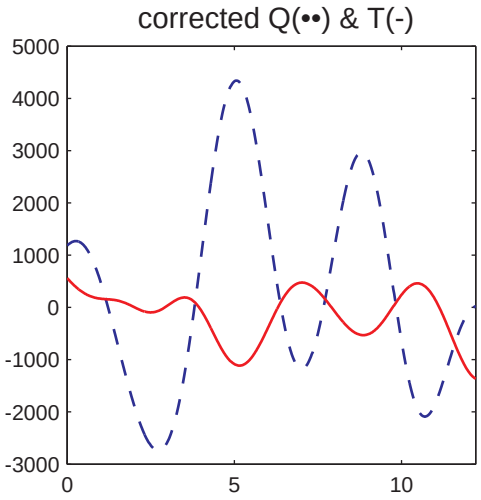
Rotation Correlation:	11<	30° <	53	0.4<0.6s<0.8
Minimum Energy:	-3<	6° <	19	0.5<0.8s<1.1
Eigenvalue:	-7<	10° <	39	0.4<0.7s<1.1

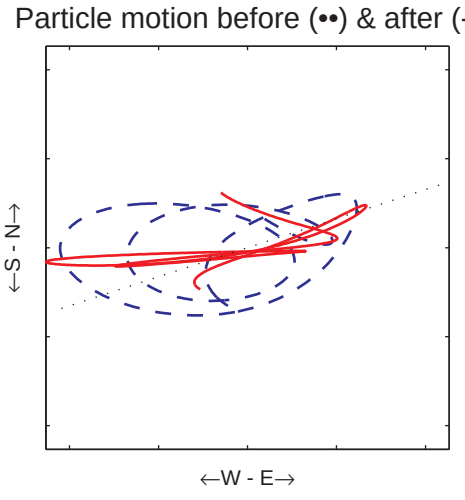
Quality: **fair** IsNull: **No** Phase: **SKKS**

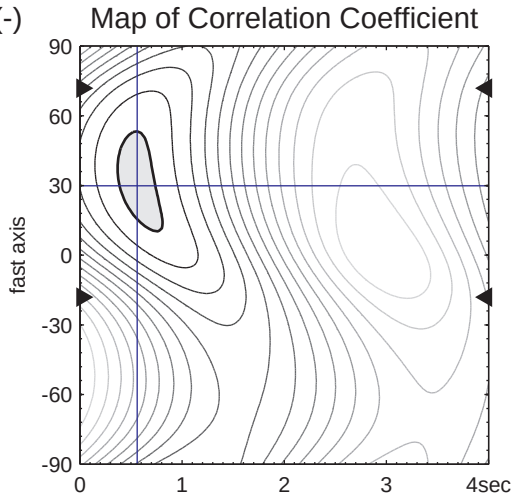


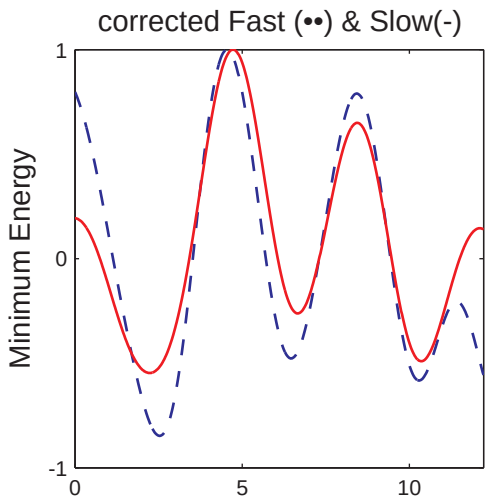
Inc = **12.0”**

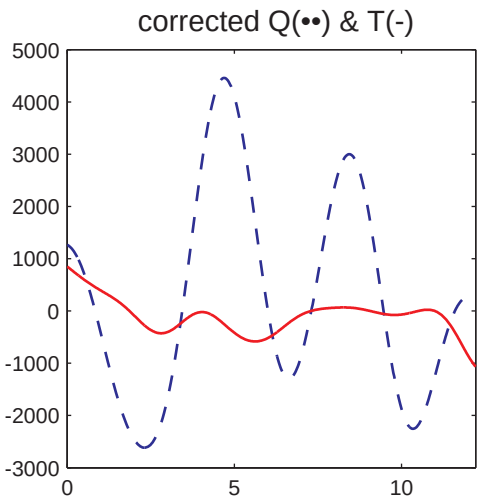


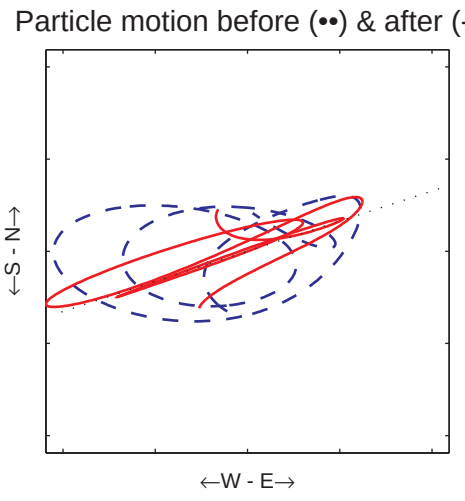


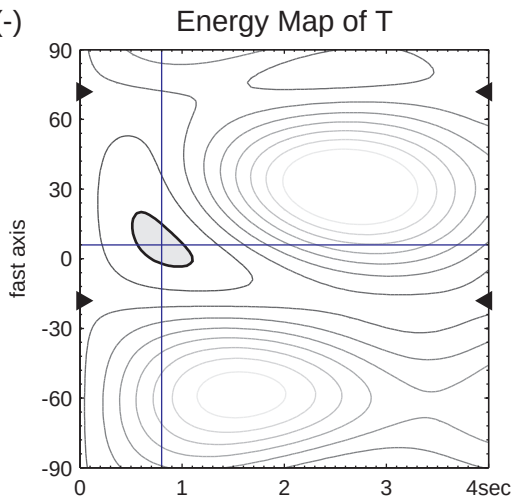


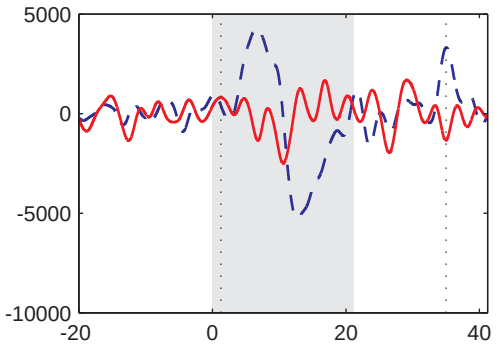








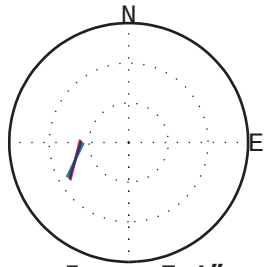


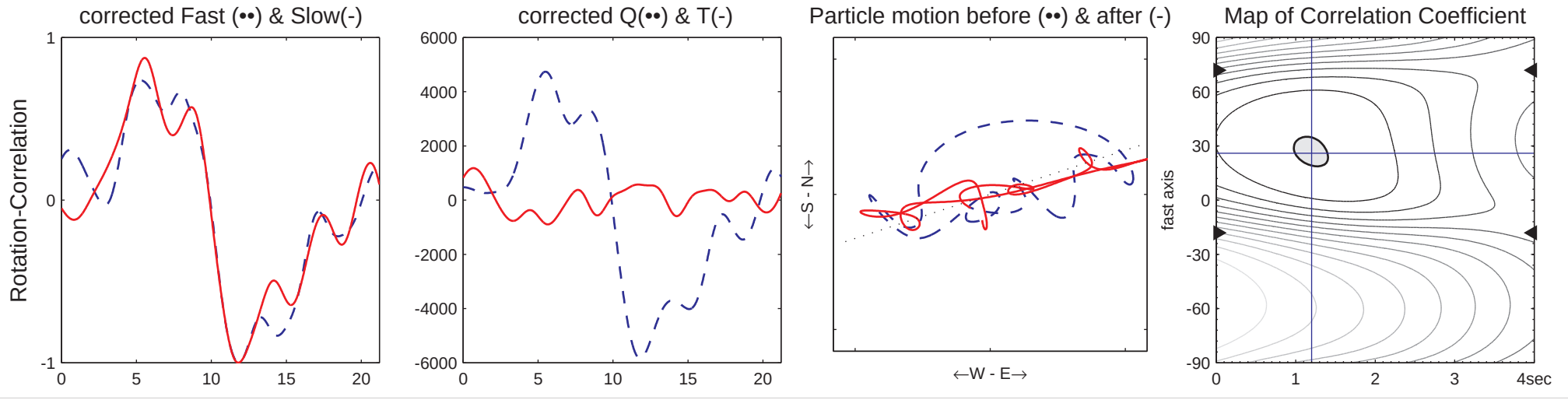


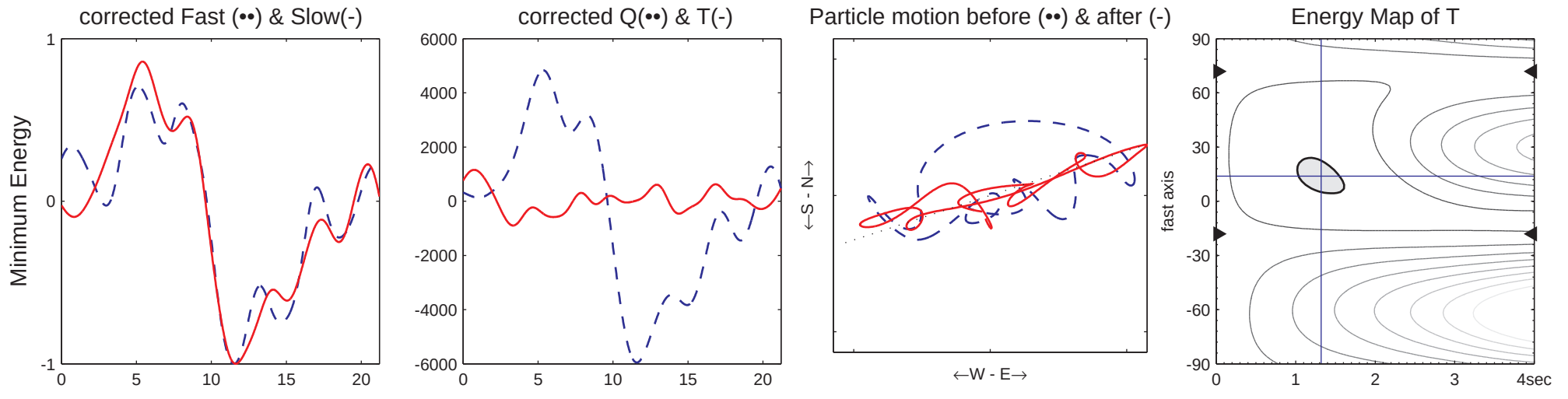
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km Mw=6.8**
Station: **KONT** Backazimuth: **251.9”** Distance: **109.81”**
init.Pol.: **75.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

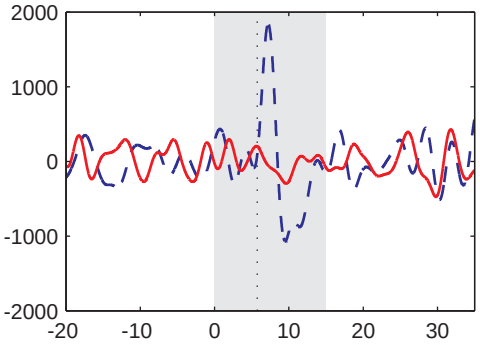
Rotation Correlation:	19<	26° <	35	1.0<1.2s<1.4
Minimum Energy:	5<	14° <	23	1.0<1.3s<1.6
Eigenvalue:	7<	18° <	31	1.0<1.2s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





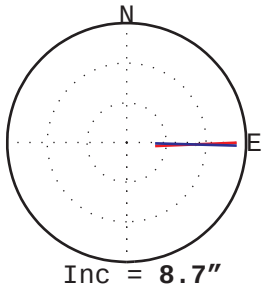


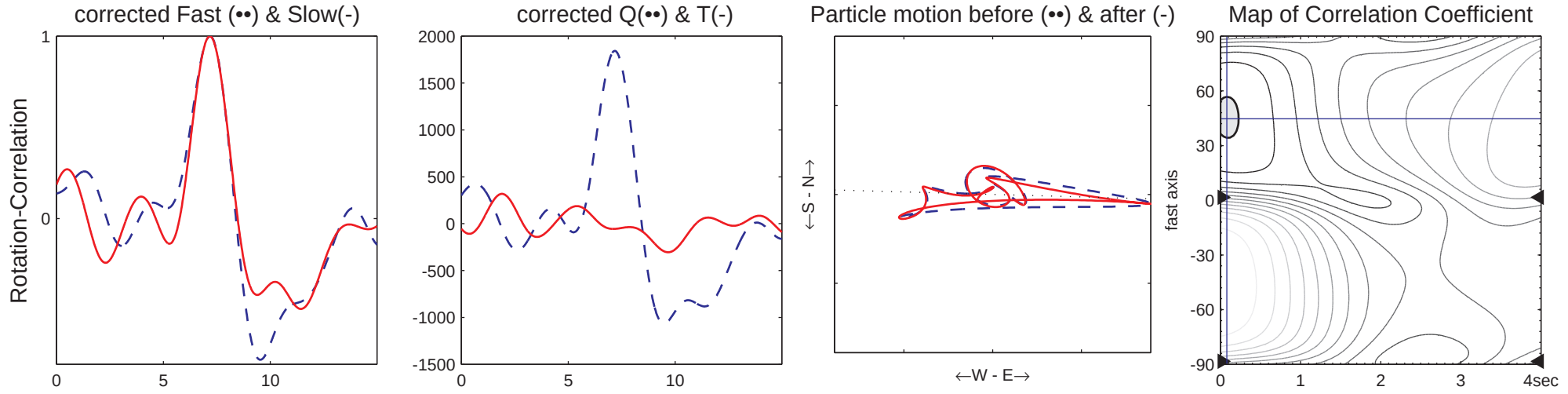


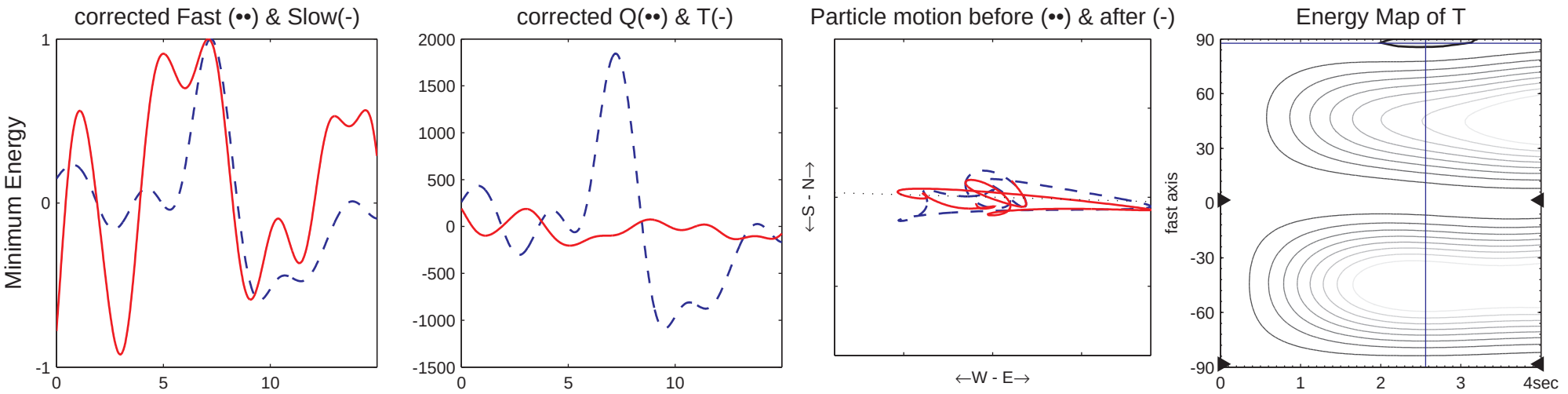
Event: **14-Nov-2006 (318) 14:21 -6.42N 127.98E 352km Mw=6.1**
Station: **KONT** Backazimuth: **91.6”** Distance: **98.37”**
init.Pol.: **278.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.5**

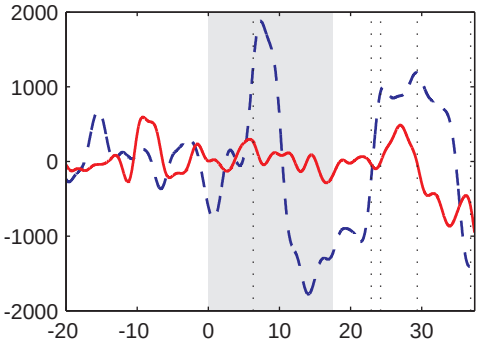
Rotation Correlation:	35<	45° <	57	0.0<0.1s<0.2
Minimum Energy:	86<	88° <	-92	2.0<2.6s<3.2
Eigenvalue:	-Inf<	-88° <	Inf	0.0<2.6s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





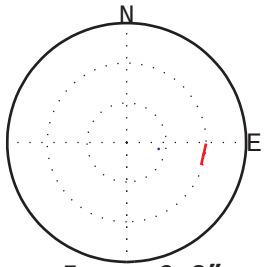




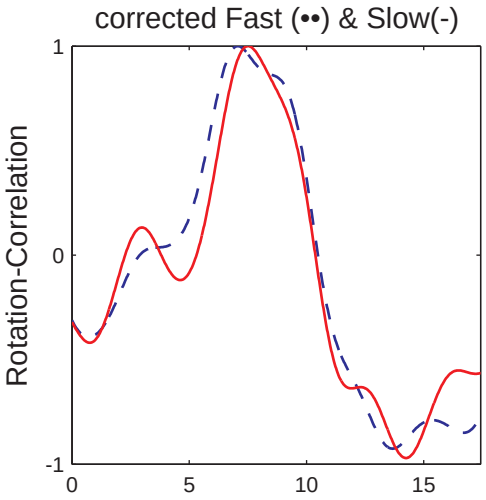
Event: **01-Dec-2006 (335) 14:01 -8.25N 118.78E 43km Mw=6.3**
Station: **KONT** Backazimuth: **98.7”** Distance: **92.26”**
init.Pol.: **274.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

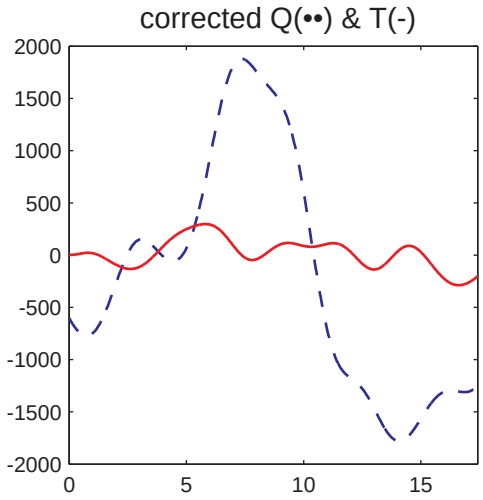
Rotation Correlation:	37<	51° <	68	0.0<0.0s<0.2
Minimum Energy:	-Inf<	13° <	Inf	0.0<0.7s<Inf
Eigenvalue:	-Inf<	-83° <	Inf	0.0<2.8s<Inf

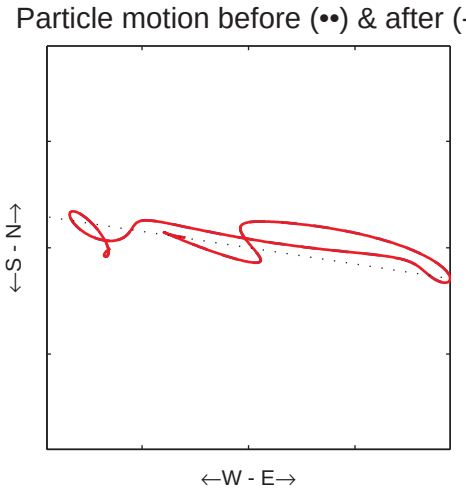
Quality: **good** IsNull: **Yes** Phase: **SKS**

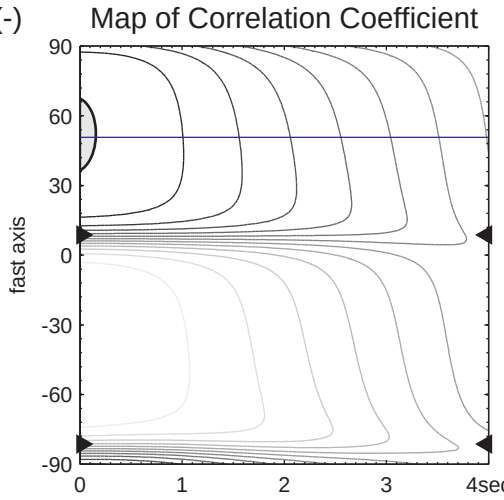


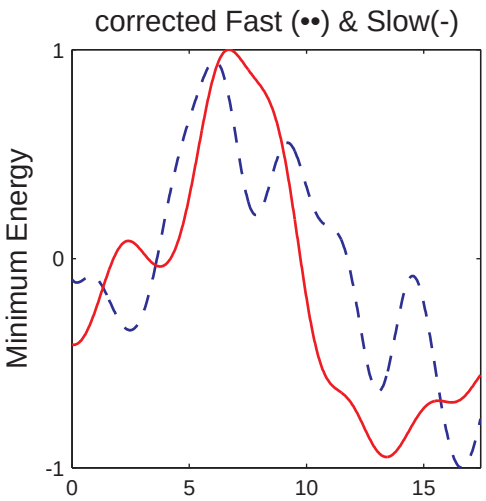
Inc = **9.8”**

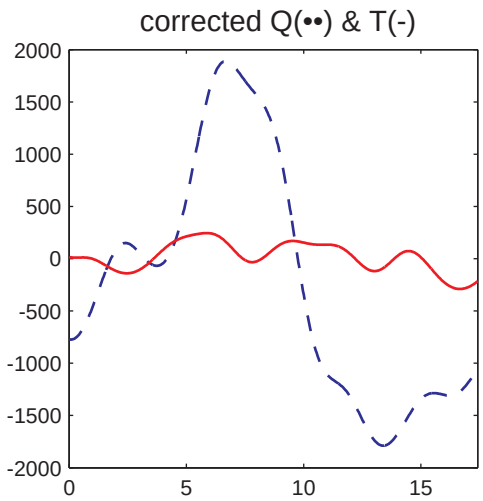


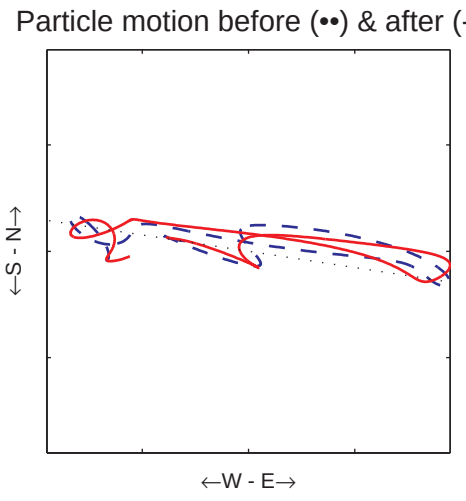


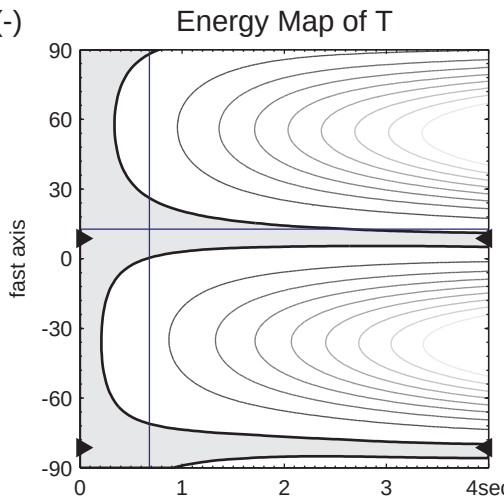


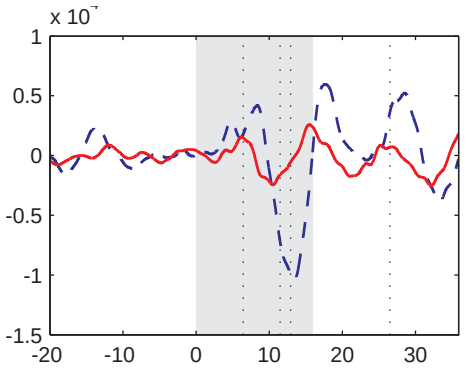








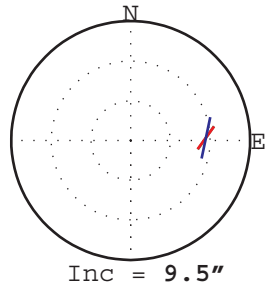


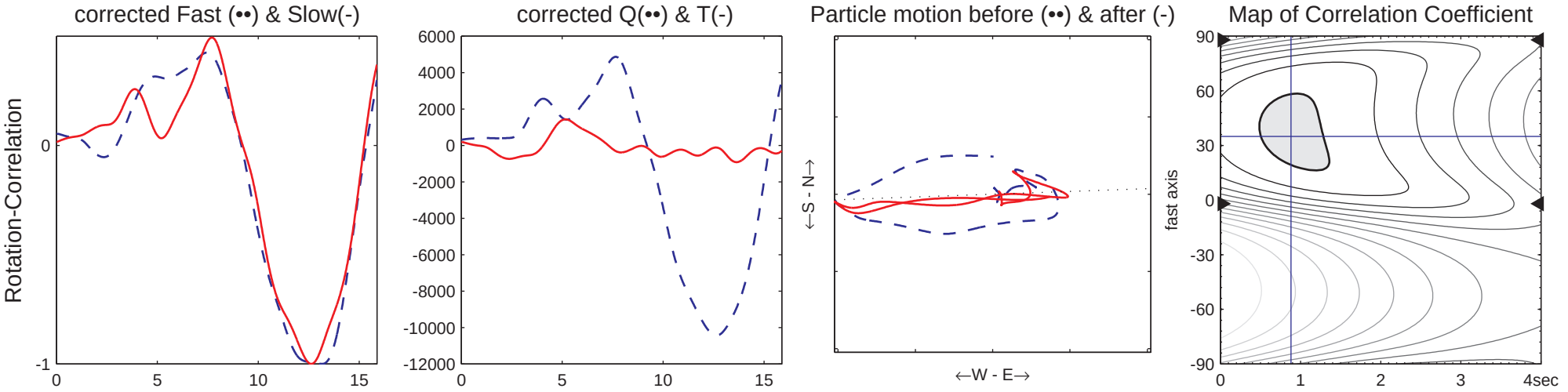


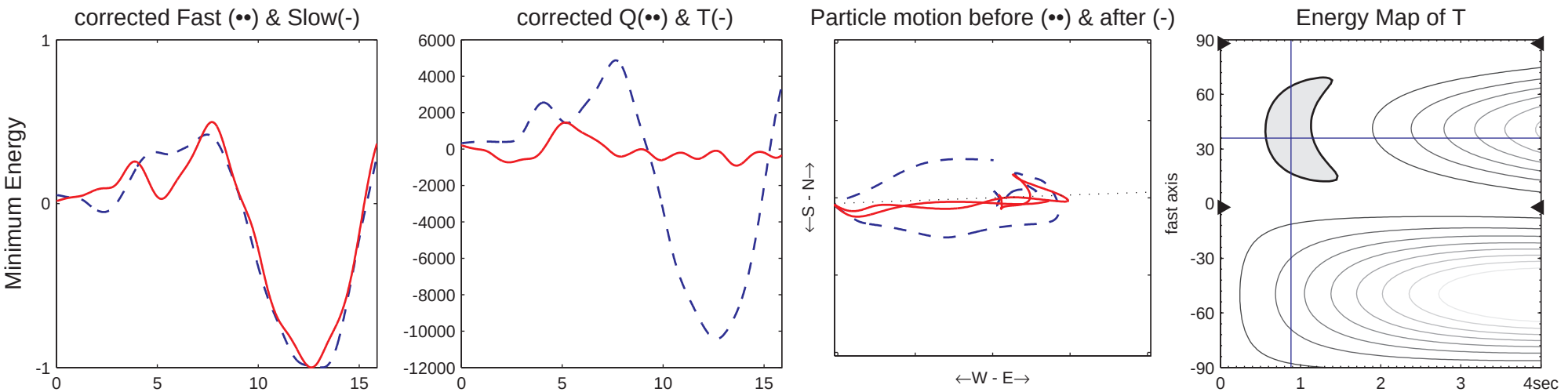
Event: **20-Feb-2007 (051) 08:04 -1.02N 126.99E 11km** Mw=**6.7**
Station: **KONT** Backazimuth: **88.0”** Distance: **94.28”**
init.Pol.: **261.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.4**

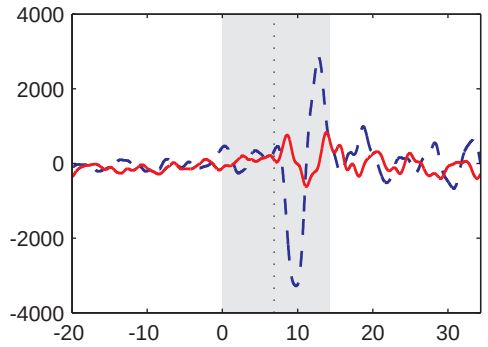
Rotation Correlation:	17<	35° <	59	0.5<0.9s<1.4
Minimum Energy:	13<	36° <	70	0.6<0.9s<1.5
Eigenvalue:	-1<	12° <	37	0.8<1.3s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





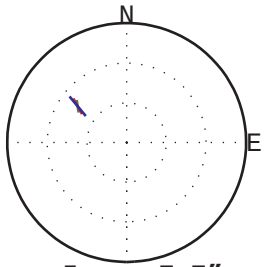


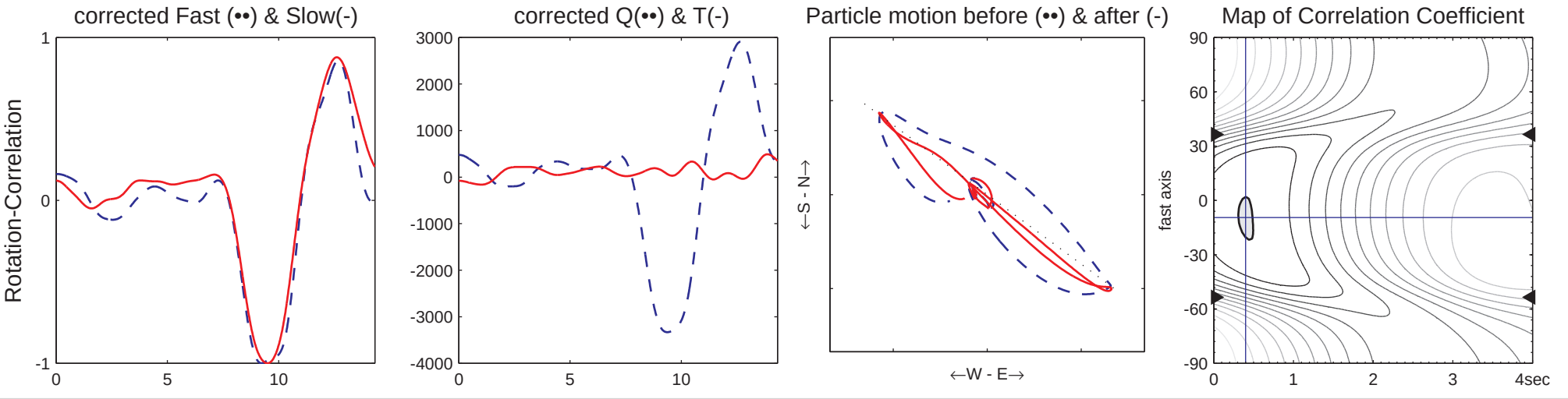


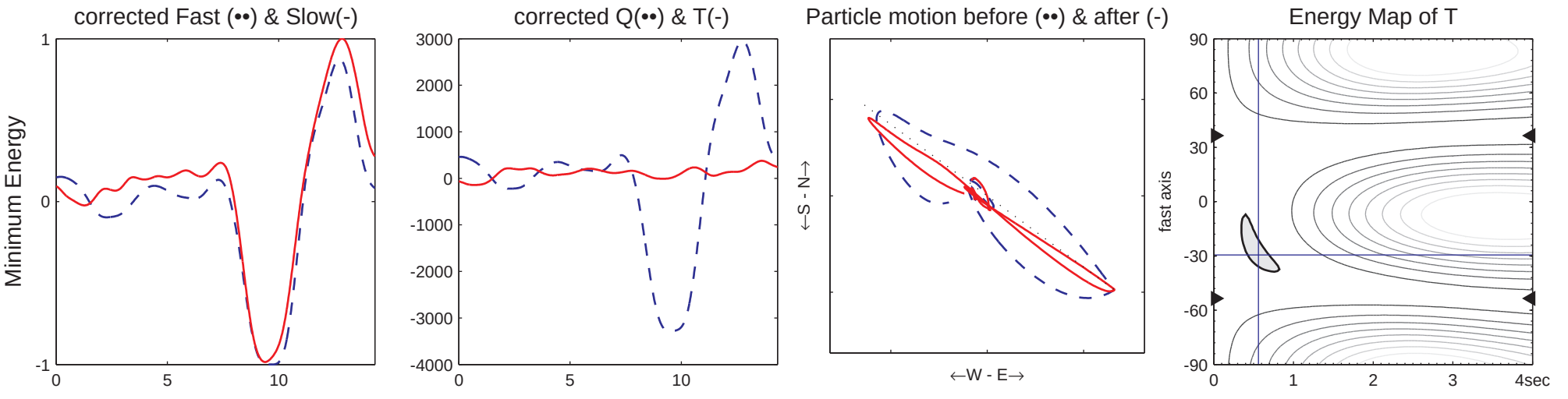
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **KONT** Backazimuth: **306.5”** Distance: **105.99”**
init.Pol.: **123.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**14.5**

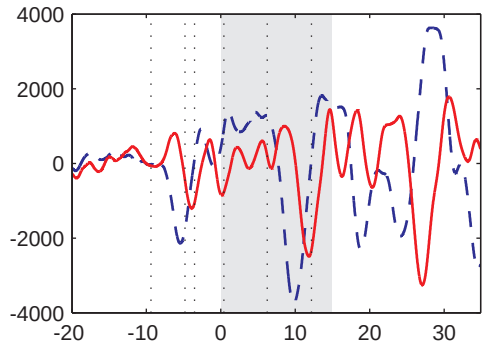
Rotation Correlation:	-23<	-10° < 1	0.3<0.4s<0.5
Minimum Energy:	-41<	-30° < -9	0.4<0.6s<0.8
Eigenvalue:	-46<	-40° < -31	0.6<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





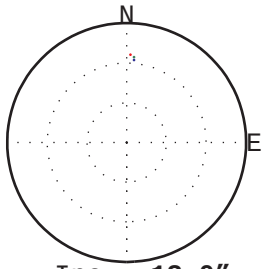




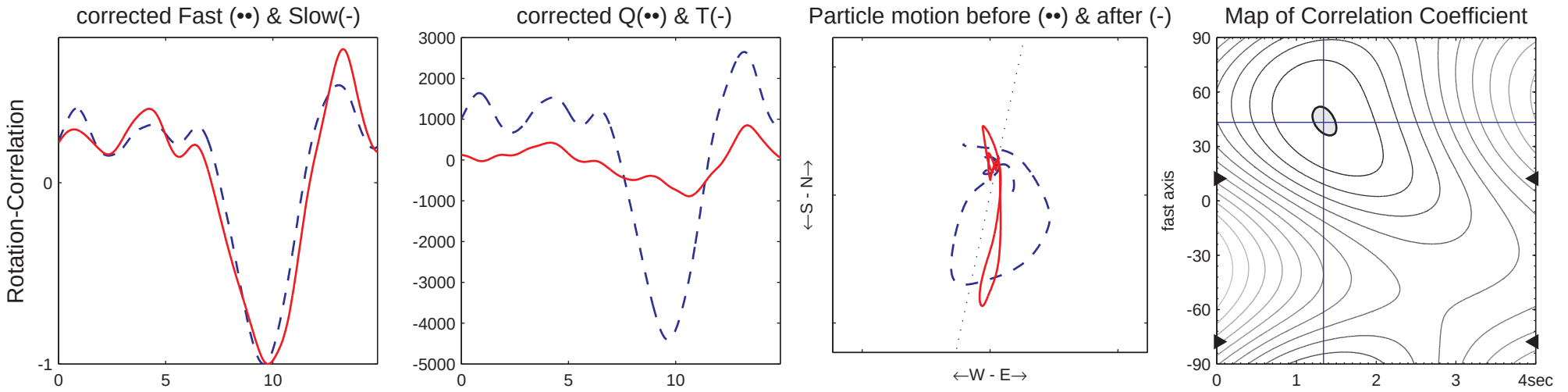
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **KONT** Backazimuth: **12.3”** Distance: **87.84”**
init.Pol.: **179.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.1**

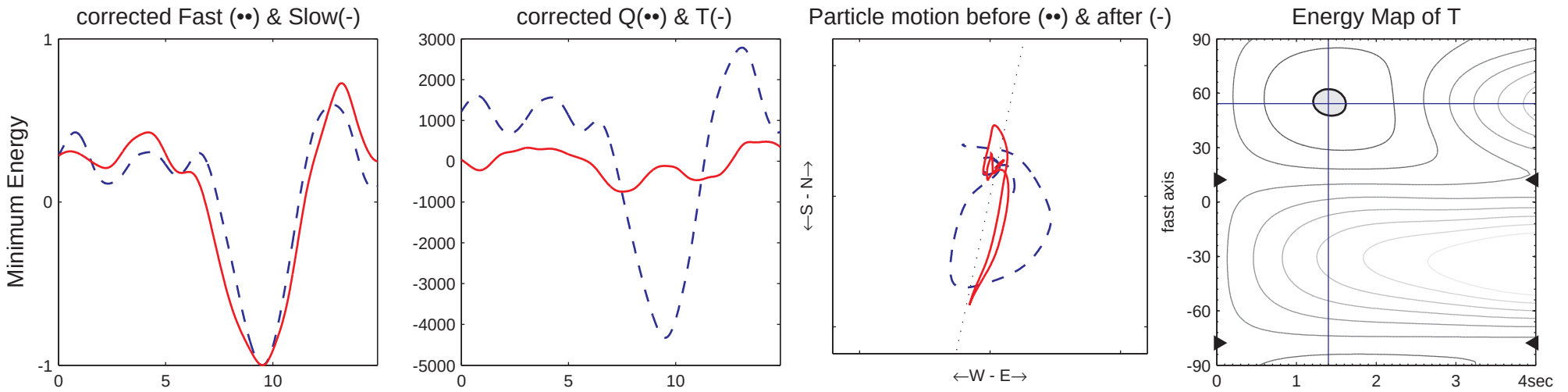
Rotation Correlation:	36<	43° <	52	1.2<1.3s<1.5
Minimum Energy:	48<	54° <	62	1.2<1.4s<1.6
Eigenvalue:	33<	38° <	43	1.4<1.5s<1.6

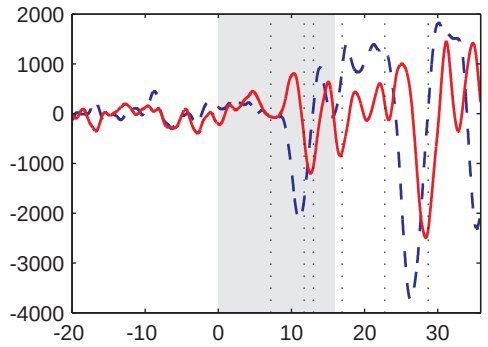
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



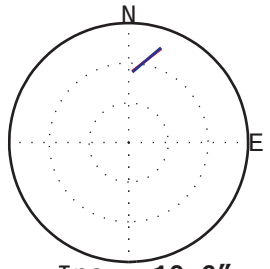




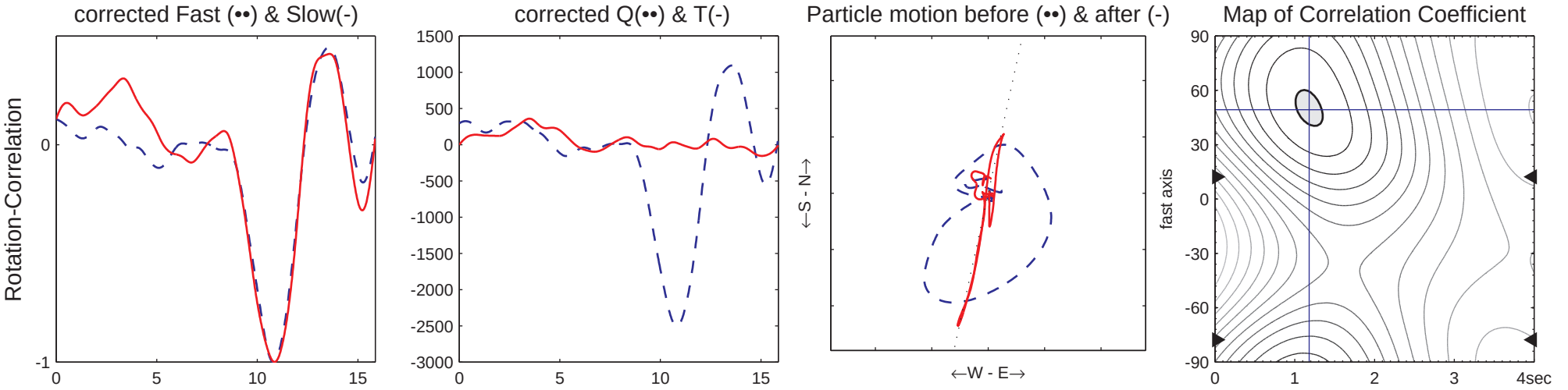
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **KONT** Backazimuth: **12.3”** Distance: **87.84”**
init.Pol.: **190.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.4**

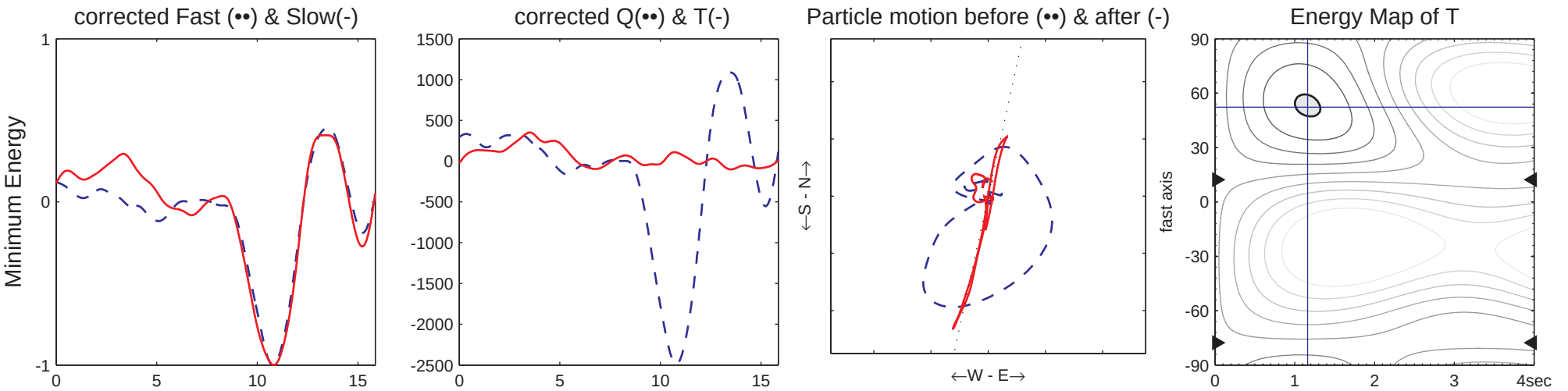
Rotation Correlation:	41<	49° <	60	1.0<1.2s<1.4
Minimum Energy:	48<	52° <	60	1.0<1.2s<1.3
Eigenvalue:	43<	50° <	60	1.0<1.2s<1.3

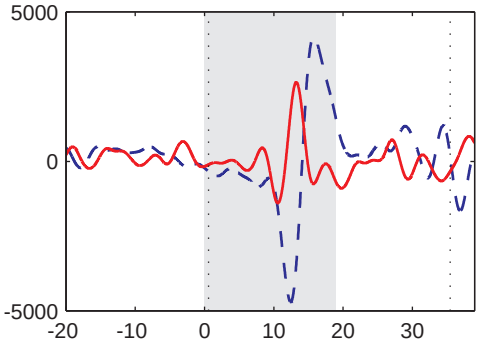
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.6”**



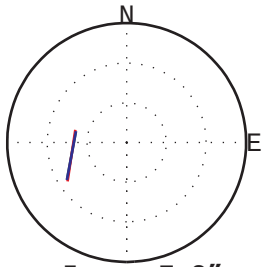




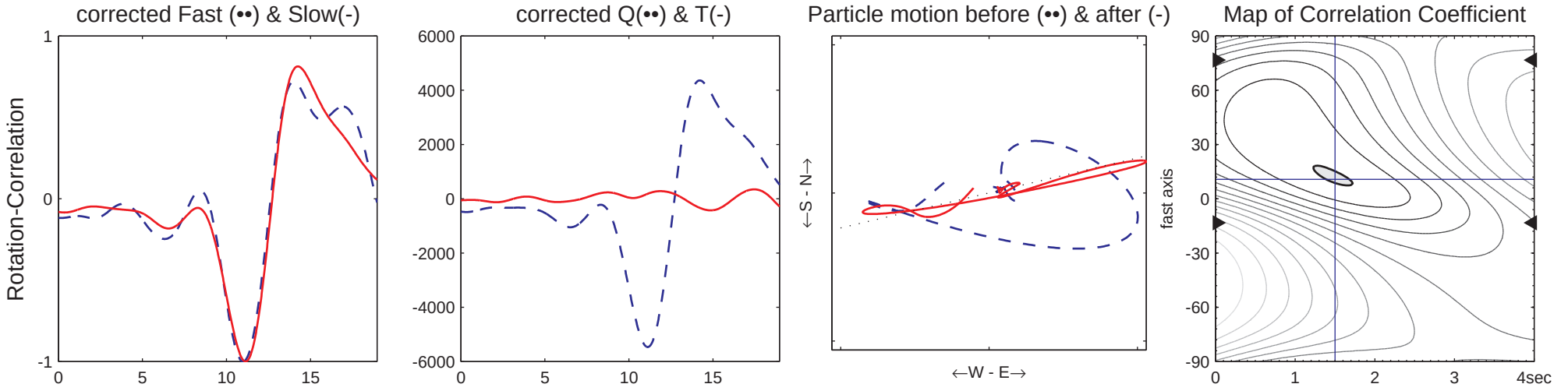
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **KONT** Backazimuth: **256.7”** Distance: **109.66”**
init.Pol.: **78.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.4**

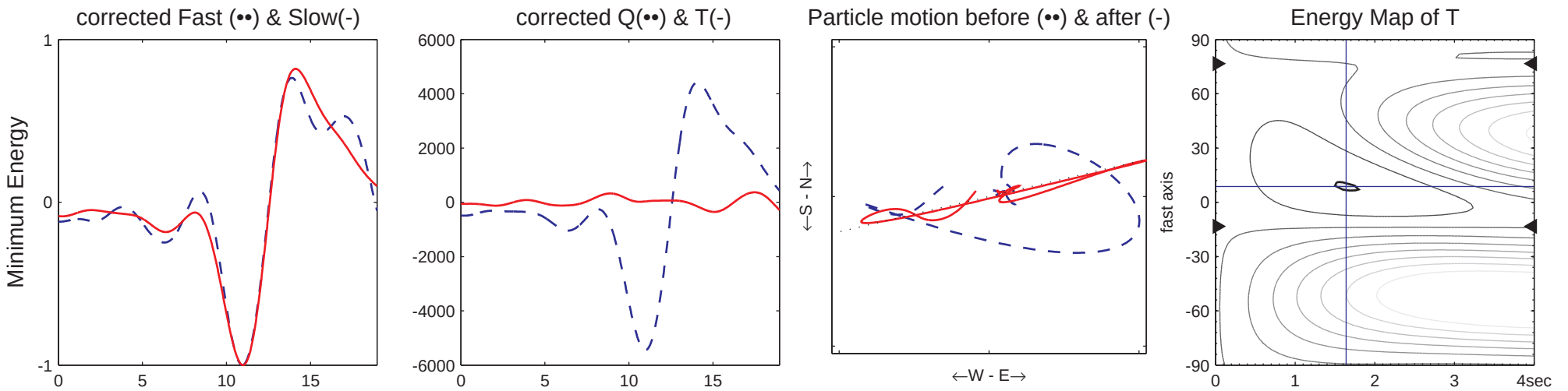
Rotation Correlation:	8<	11° <	19	1.2<1.5s<1.7
Minimum Energy:	7<	9° <	11	1.5<1.6s<1.8
Eigenvalue:	7<	11° <	13	1.4<1.6s<1.8

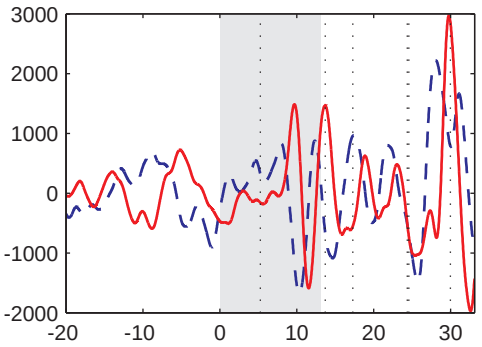
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



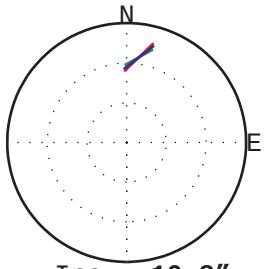




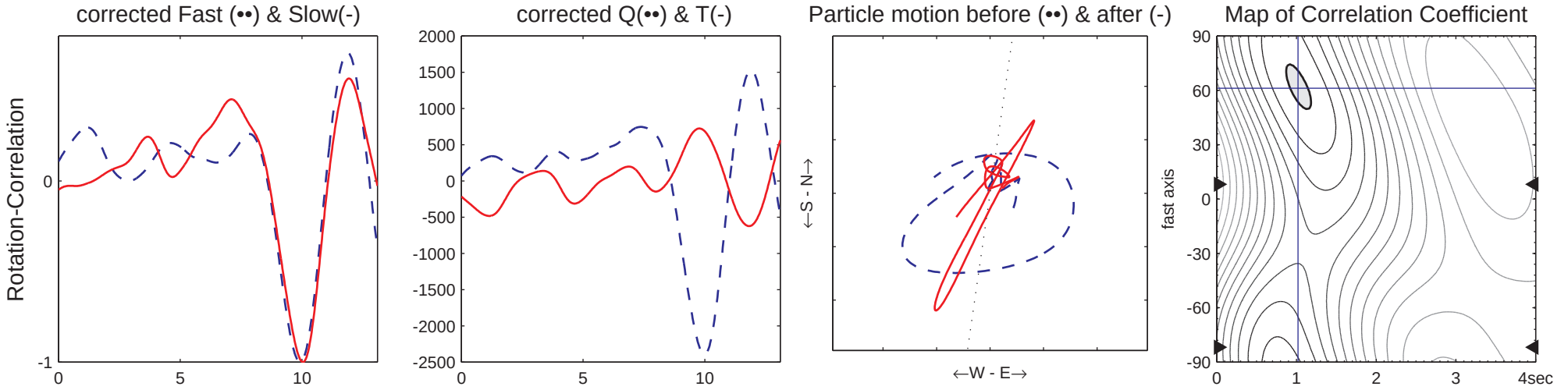
Event: **02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3**
Station: **KONT** Backazimuth: **8.1”** Distance: **86.68”**
init.Pol.: **196.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.1**

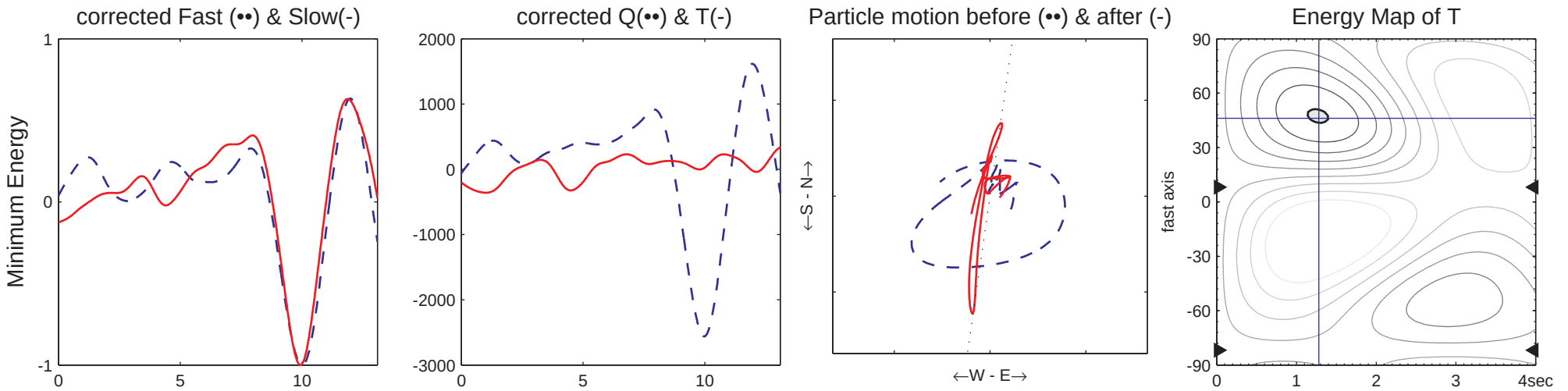
Rotation Correlation:	50<	61° <	74	0.9<1.0s<1.2
Minimum Energy:	43<	46° <	52	1.2<1.3s<1.4
Eigenvalue:	41<	52° <	64	1.0<1.2s<1.4

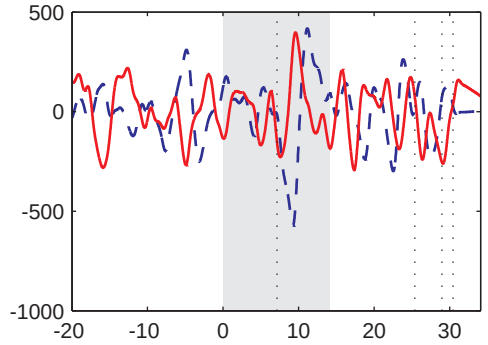
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



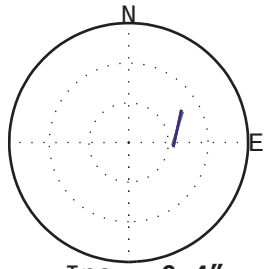




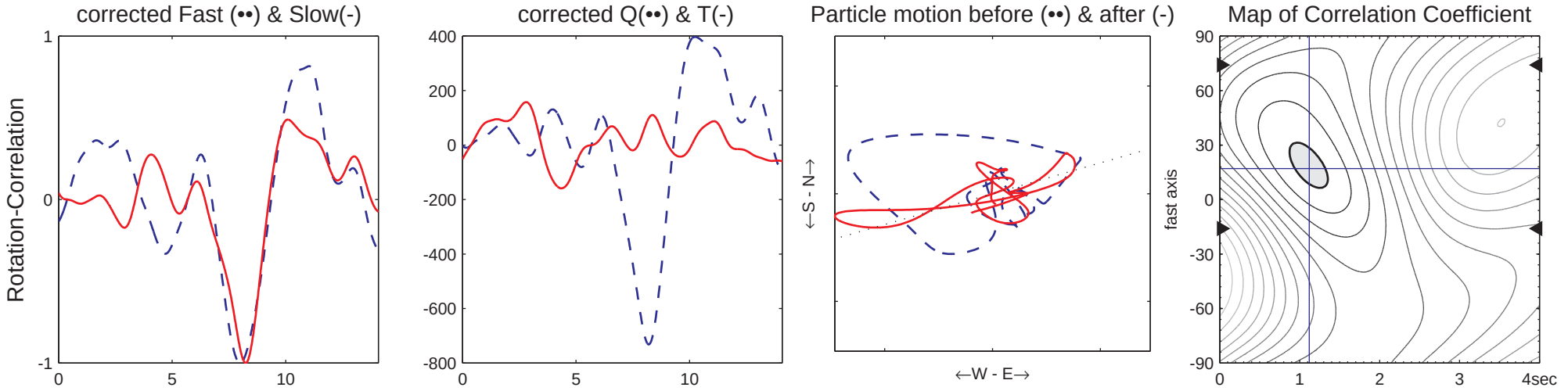
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **KONT** Backazimuth: **74.1”** Distance: **116.76”**
init.Pol.: **253.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.2**

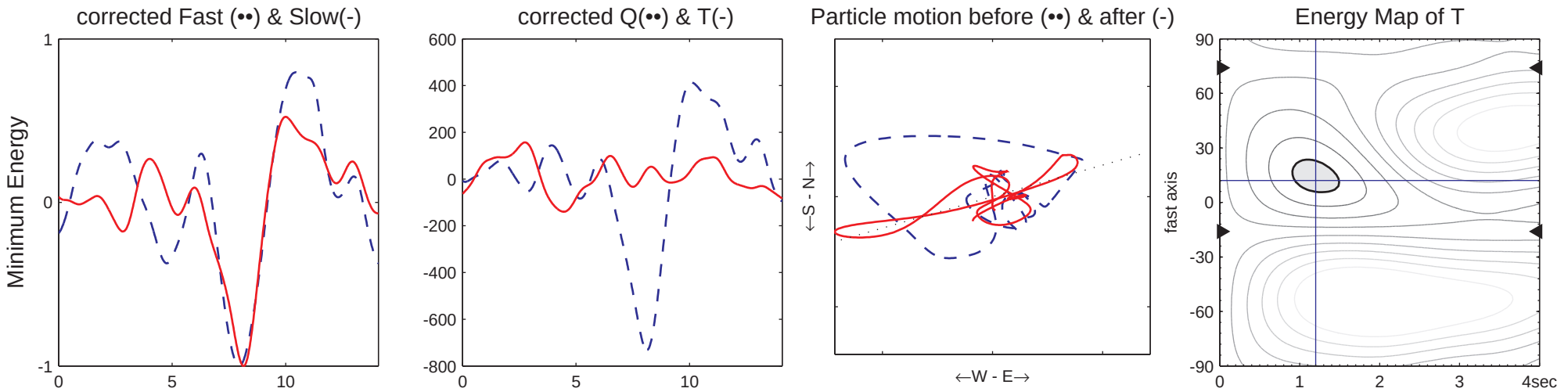
Rotation Correlation:	7<	17° <	32	0.9<1.1s<1.4
Minimum Energy:	5<	12° <	23	0.9<1.2s<1.5
Eigenvalue:	-1<	12° <	27	0.9<1.2s<1.5

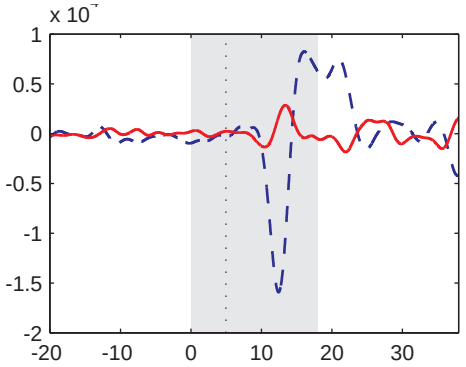
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.4”**



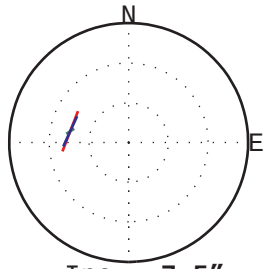


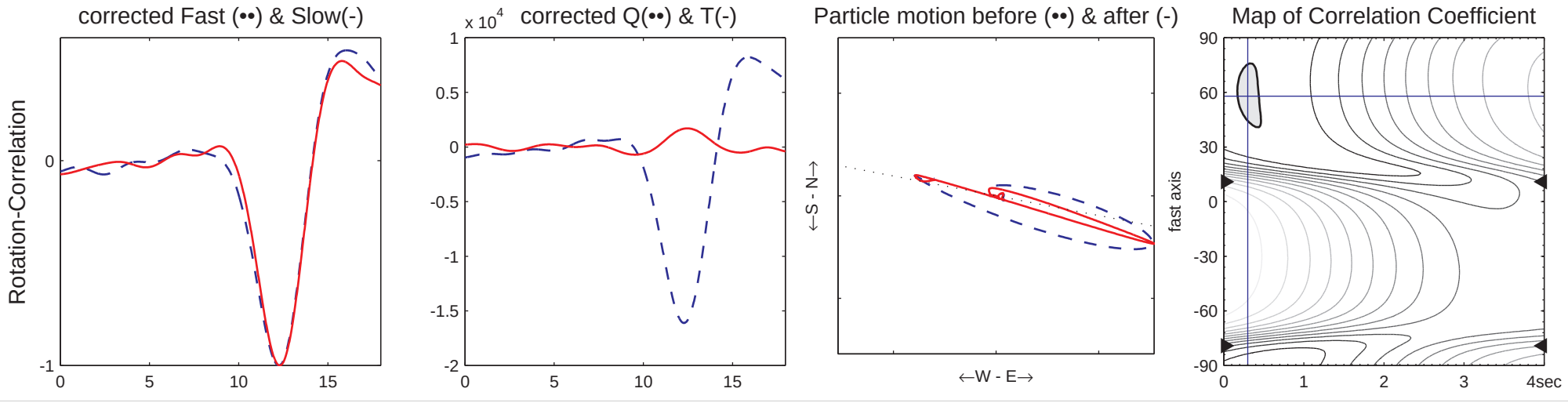


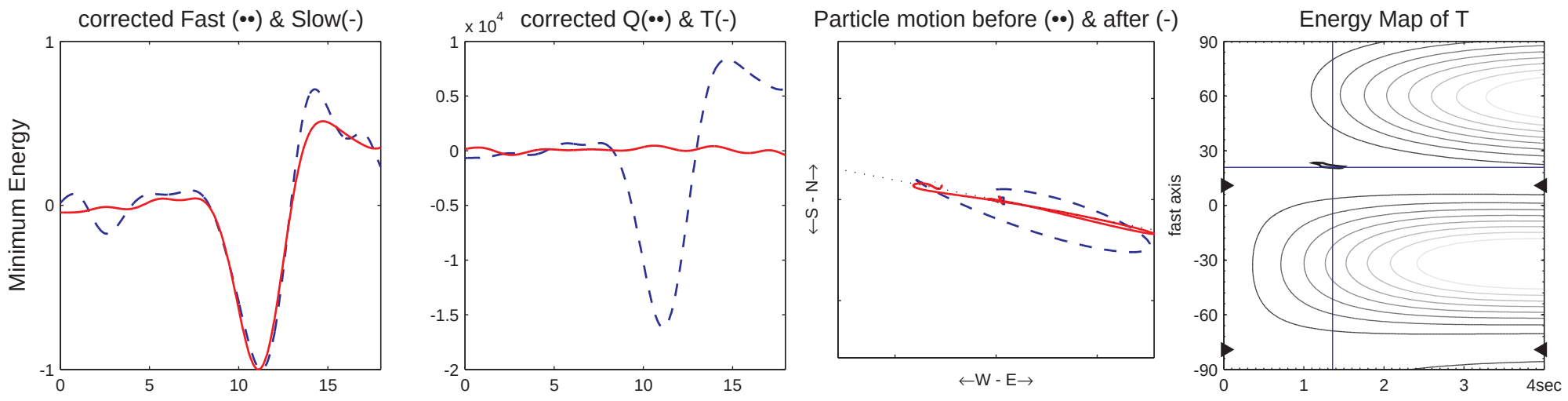
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **KONT** Backazimuth: **280.9”** Distance: **107.27”**
init.Pol.: **102.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**40.1**

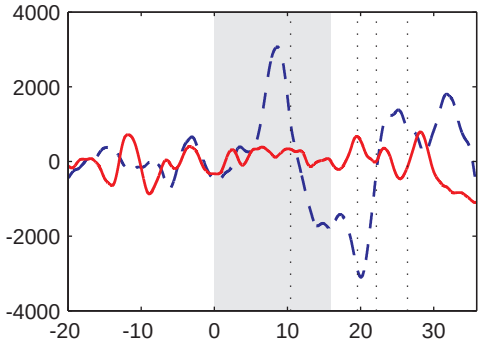
Rotation Correlation:	41<	58° <	76	0.2<0.3s<0.5
Minimum Energy:	21<	21° <	23	1.1<1.4s<1.5
Eigenvalue:	23<	25° <	27	0.8<1.0s<1.3

Quality: **fair** IsNull: **Yes** Phase: **SKS**





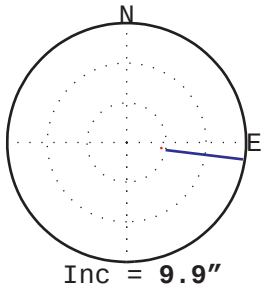


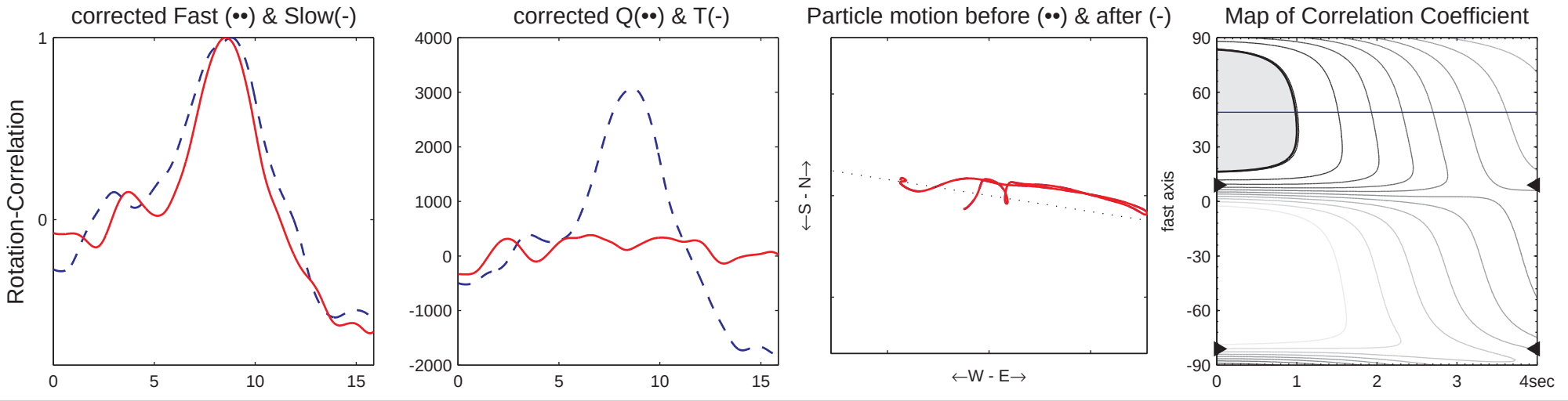


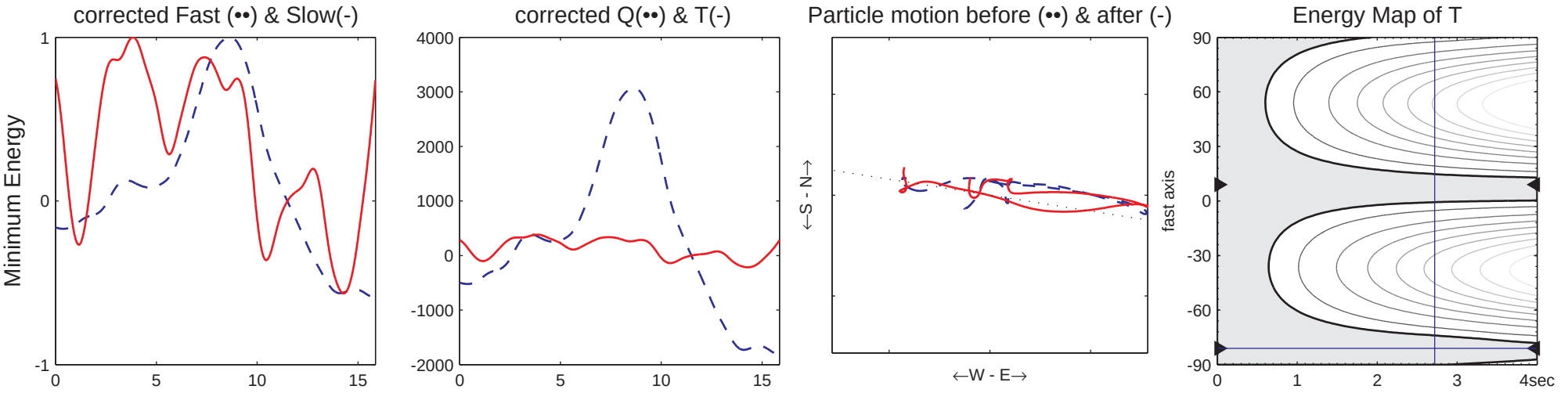
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **KONT** Backazimuth: **99.0”** Distance: **91.97”**
init.Pol.: **273.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.7**

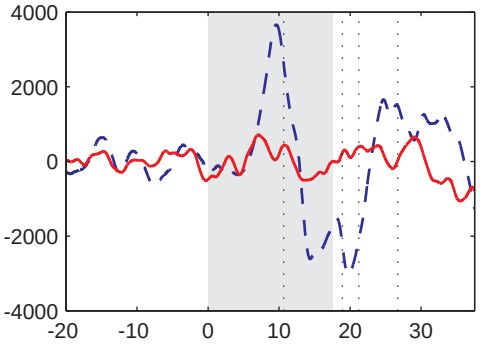
Rotation Correlation:	17<	49° <	83	0.0<0.0s<1.0
Minimum Energy:	-Inf<	-81° <	Inf	0.0<2.7s<Inf
Eigenvalue:	-Inf<	-83° <	Inf	0.0<2.4s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





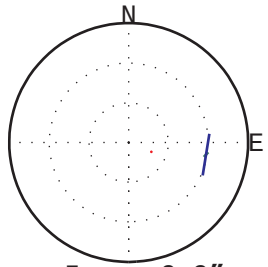




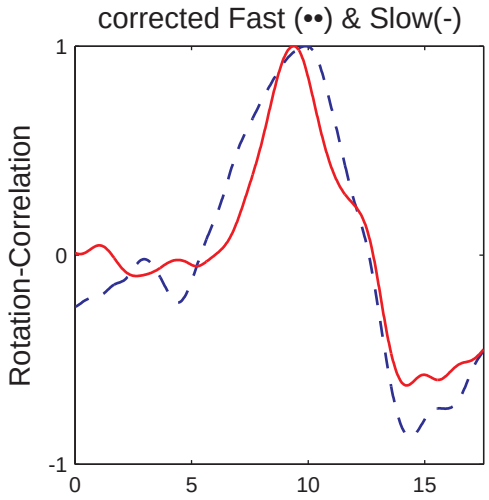
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **KONT** Backazimuth: **98.9”** Distance: **92.00”**
init.Pol.: **269.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.1**

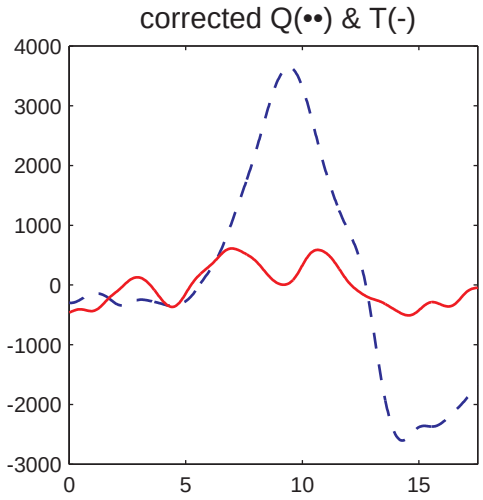
Rotation Correlation:	32<	45° <	60	0.0<0.2s<0.5
Minimum Energy:	-92<	-87° <	-88	2.2<3.4s<4.0
Eigenvalue:	1<	9° <	-92	0.2<1.3s<3.3

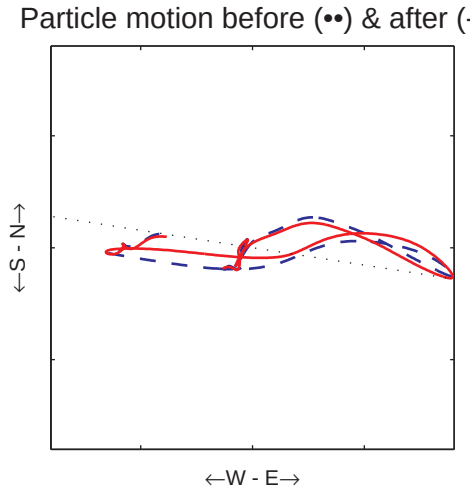
Quality: **good** IsNull: **Yes** Phase: **SKS**

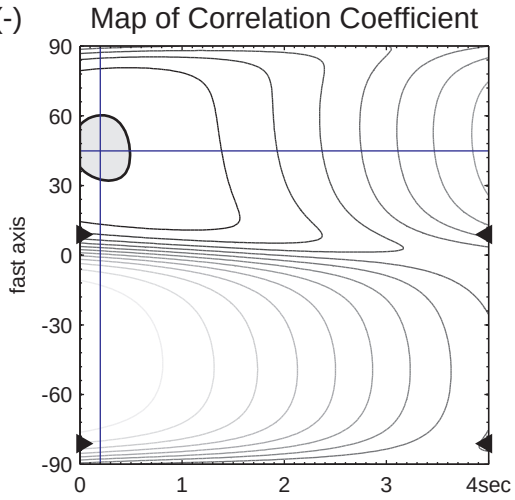


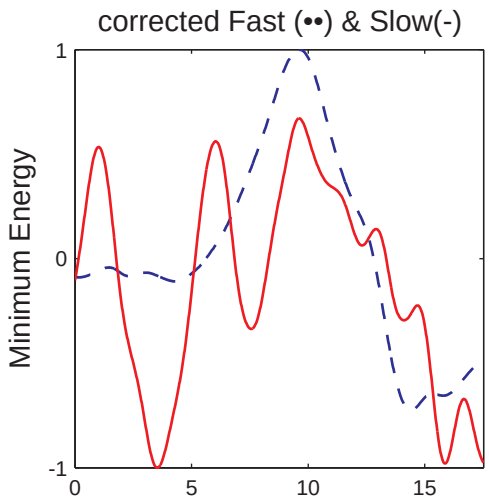
Inc = **9.9”**

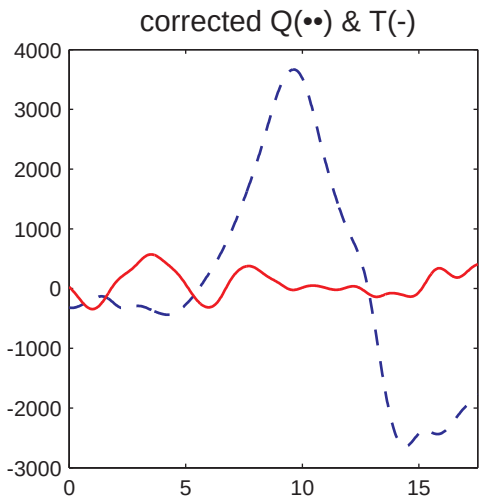


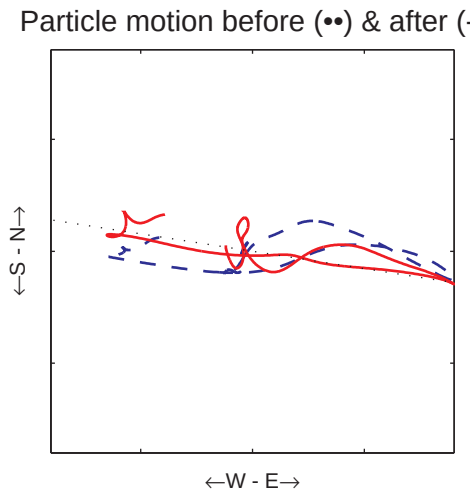


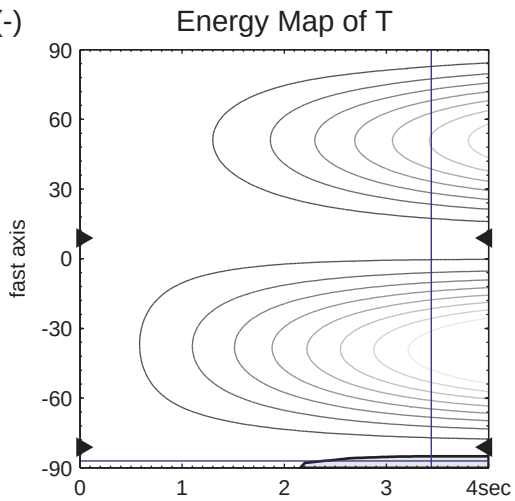


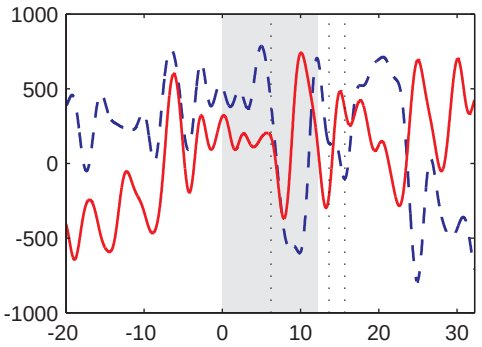








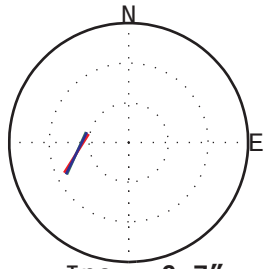




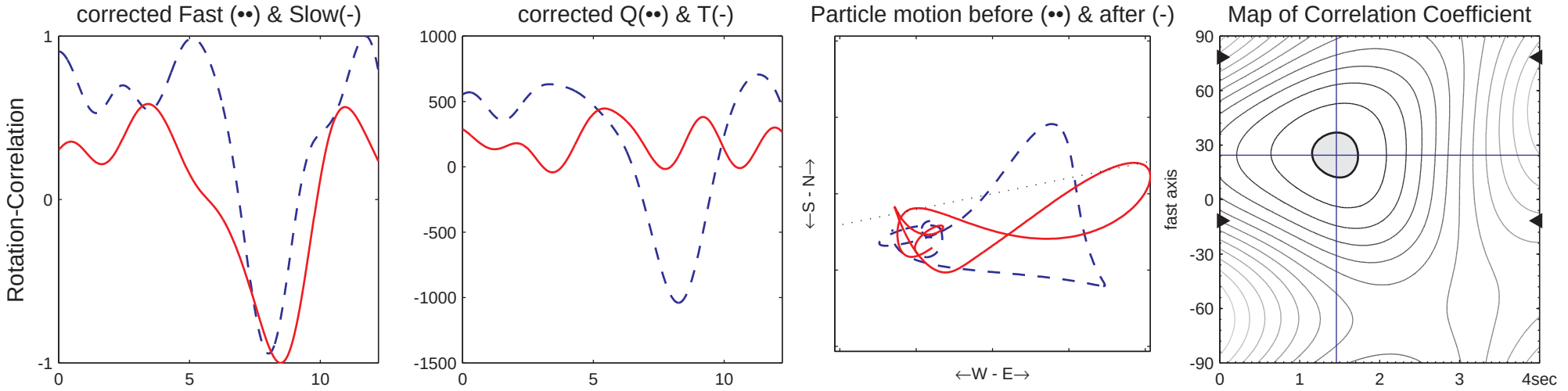
Event: **13-Dec-2007 (347) 07:23 -23.20N -70.55E 16km Mw=6.2**
Station: **KONT** Backazimuth: **258.4”** Distance: **113.84”**
init.Pol.: **79.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

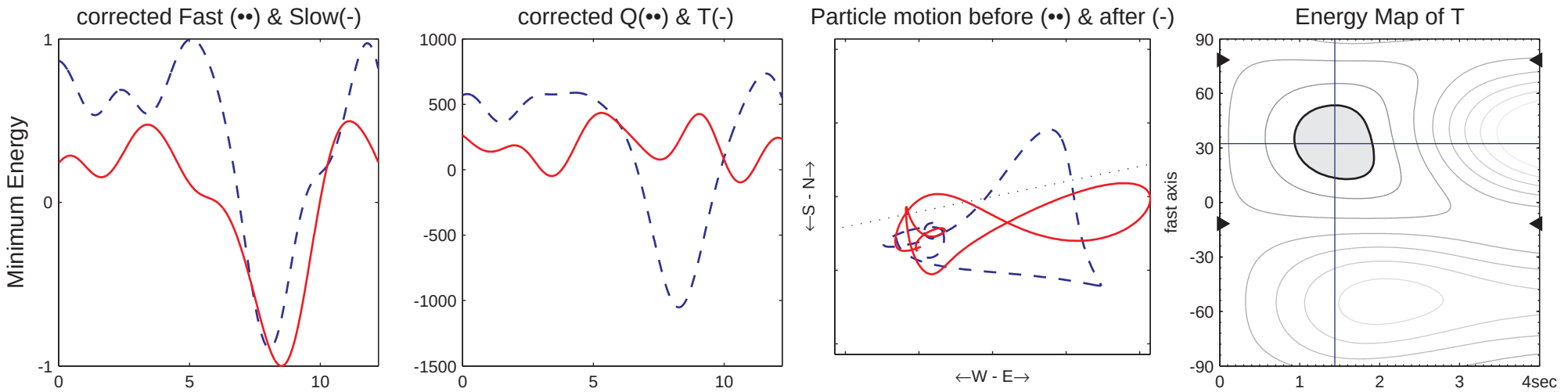
Rotation Correlation:	13<	24° <	37	1.2<1.5s<1.7
Minimum Energy:	13<	32° <	54	0.9<1.4s<1.9
Eigenvalue:	7<	26° <	54	1.1<1.5s<1.9

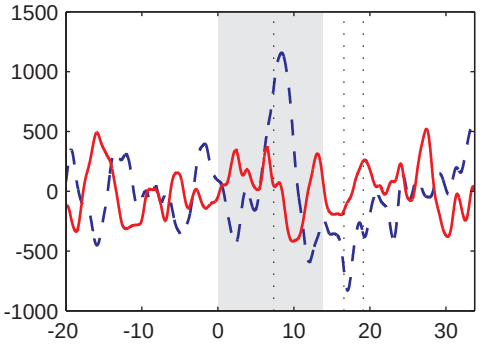
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.7”**



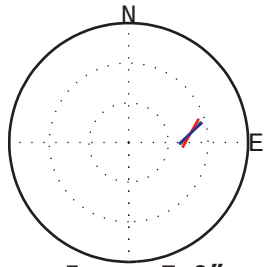


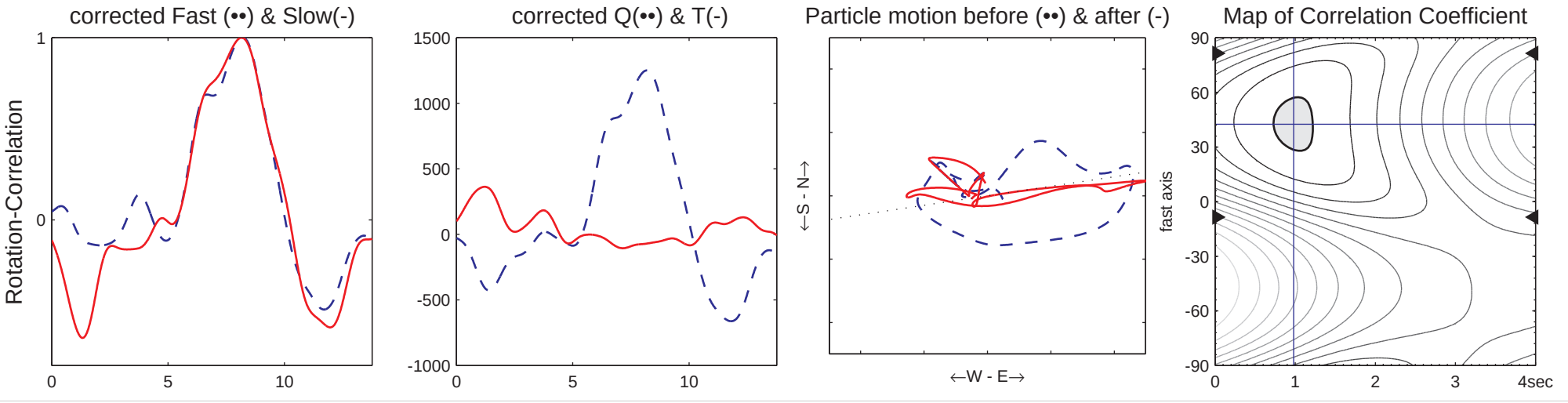


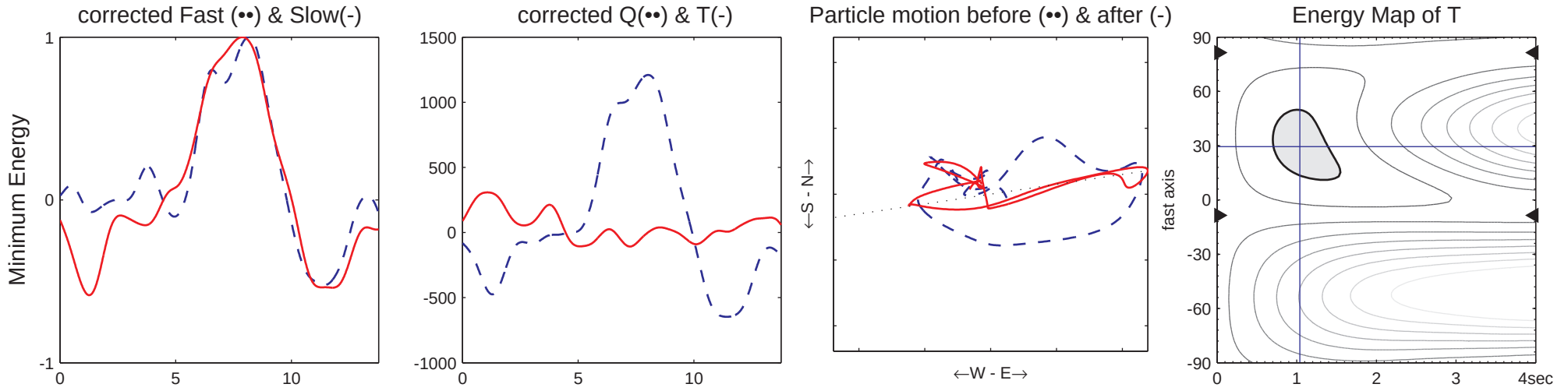
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **KONT** Backazimuth: **81.5”** Distance: **104.61”**
init.Pol.: **270.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.4**

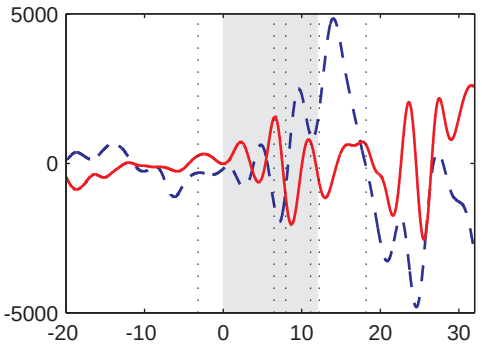
Rotation Correlation:	28<	42° <	57	0.7<1.0s<1.2
Minimum Energy:	11<	29° <	50	0.7<1.0s<1.6
Eigenvalue:	27<	47° <	66	0.8<1.0s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





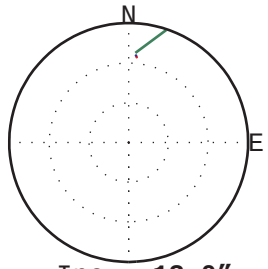


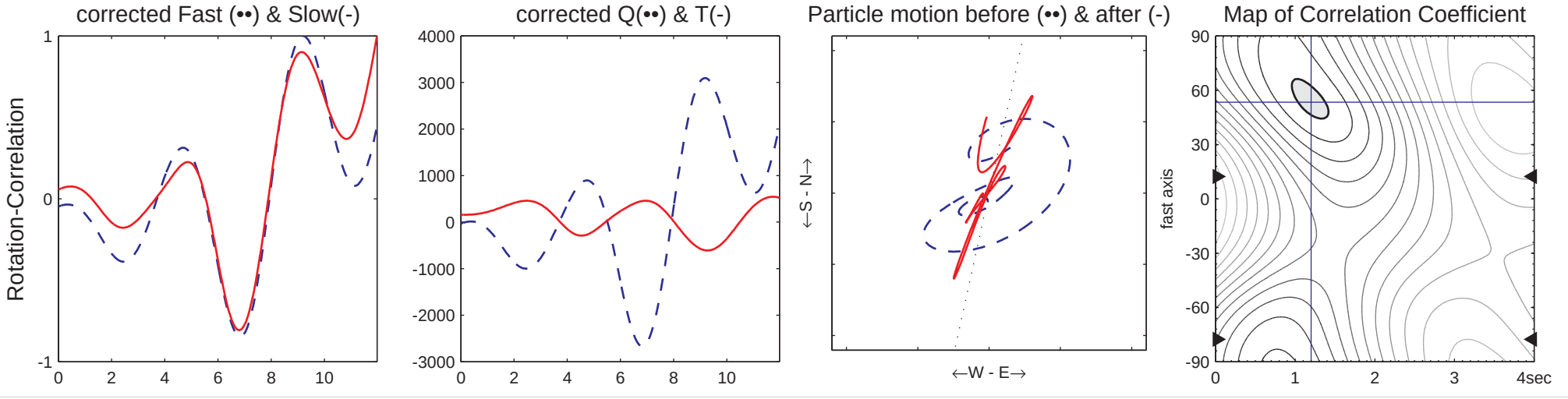


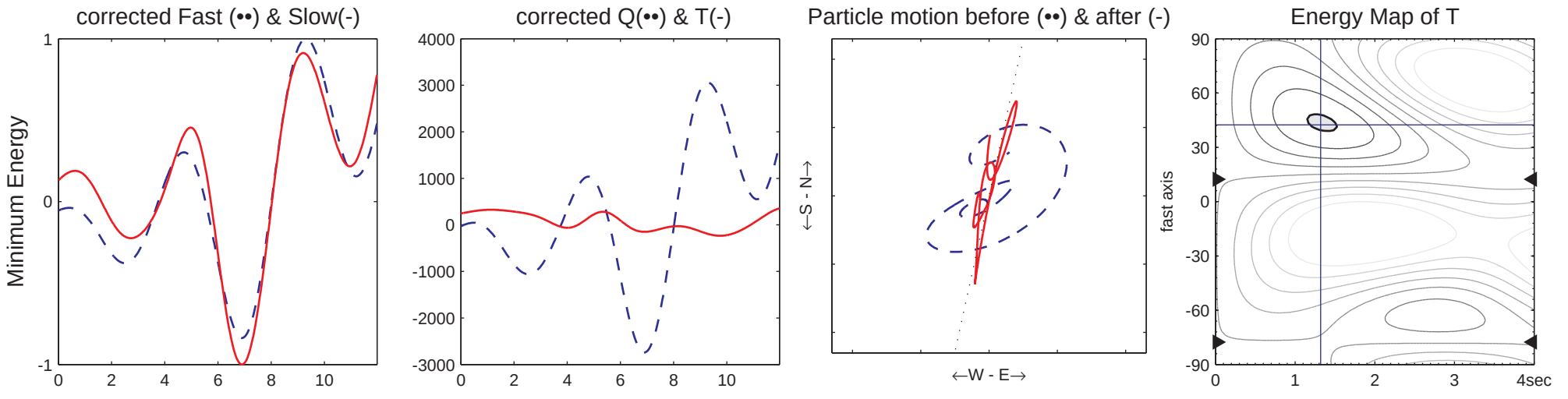
Event: **26-Dec-2007 (360) 22:04 52.56N -168.22E 25km Mw=6.4**
Station: **KONT** Backazimuth: **12.4”** Distance: **87.74”**
init.Pol.: **197.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.4**

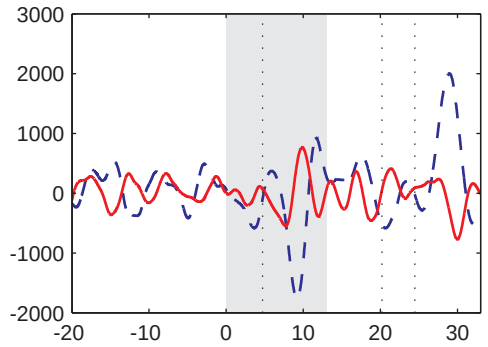
Rotation Correlation:	45<	53° <	66	1.0<1.2s<1.4
Minimum Energy:	39<	42° <	48	1.2<1.3s<1.5
Eigenvalue:	41<	46° <	54	1.1<1.3s<1.5

Quality: **fair** IsNull: **No** Phase: **SKKS**





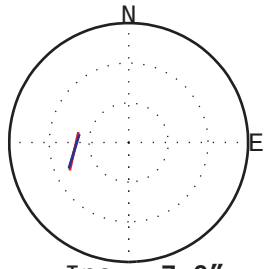


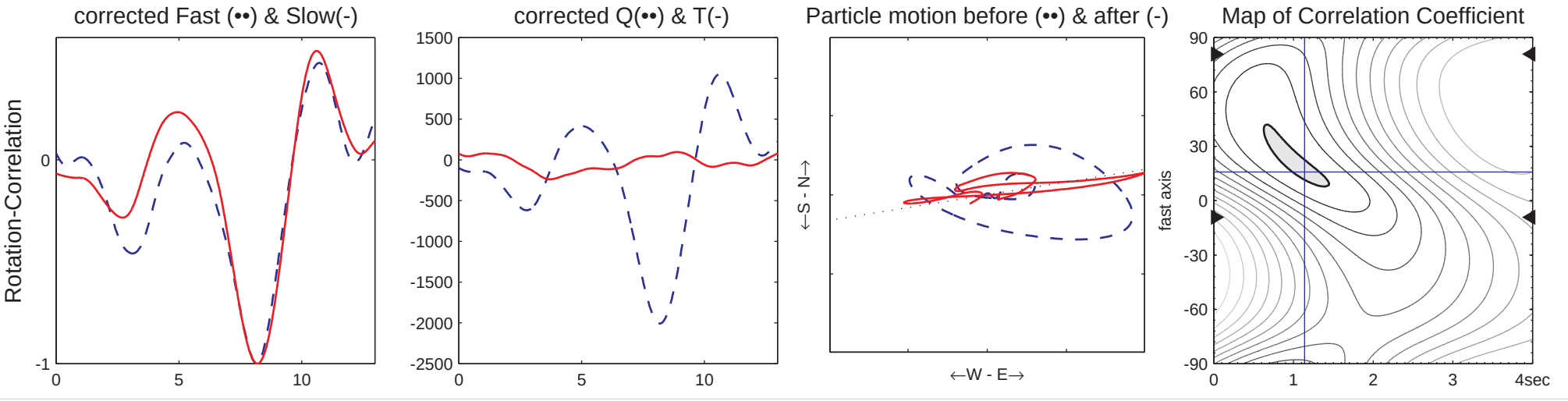


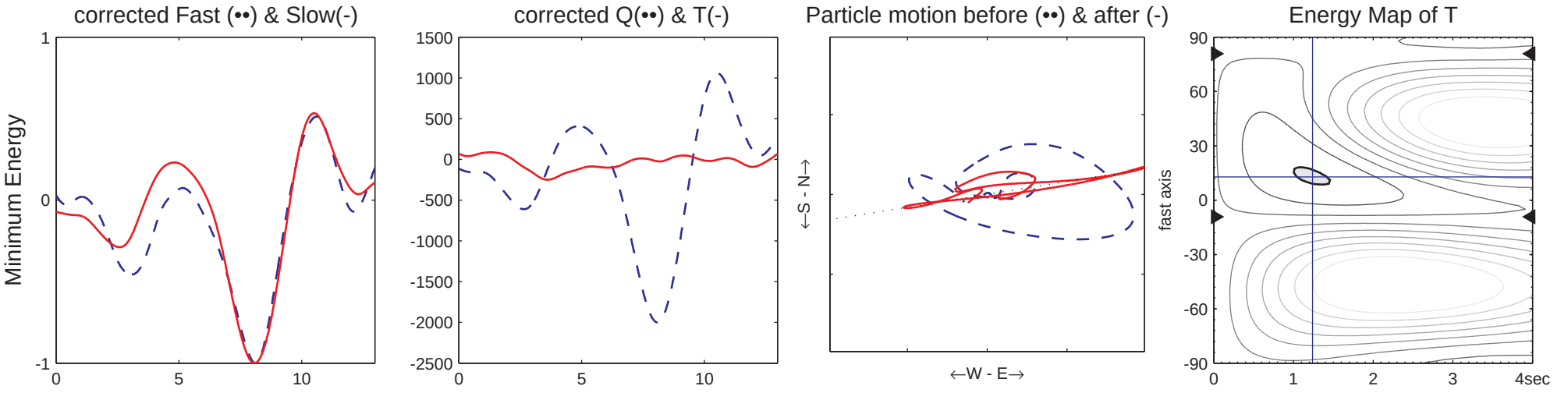
Event: **04-Feb-2008 (035) 17:01 -20.17N -70.04E 35km Mw=6.3**
Station: **KONT** Backazimuth: **260.8”** Distance: **111.77”**
init.Pol.: **84.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.7**

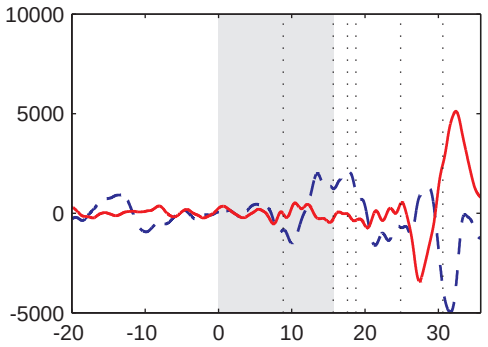
Rotation Correlation:	8<	16° <	42	0.6<1.1s<1.4
Minimum Energy:	9<	13° <	17	1.0<1.2s<1.4
Eigenvalue:	9<	17° <	27	0.8<1.1s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





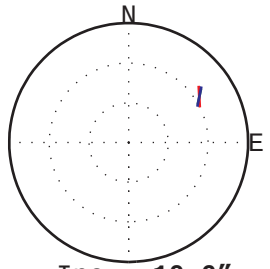




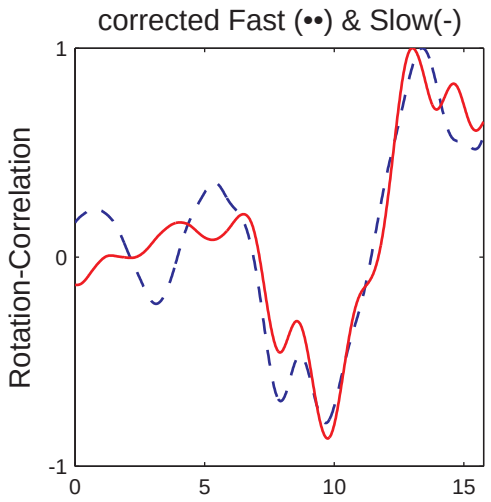
Event: **27-Feb-2008 (058) 06:54 26.82N 142.44E 15km Mw=6.2**
Station: **KONT** Backazimuth: **57.0”** Distance: **87.95”**
init.Pol.: **243.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.3**

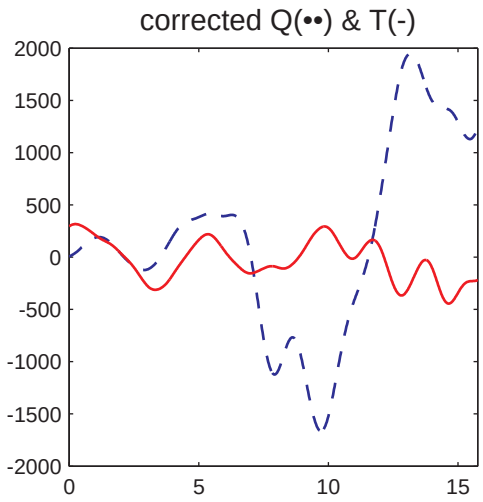
Rotation Correlation:	3<	13° <	26	0.3<0.5s<0.7
Minimum Energy:	-21<	-3° <	23	0.4<0.7s<1.1
Eigenvalue:	-9<	11° <	46	0.4<0.6s<0.9

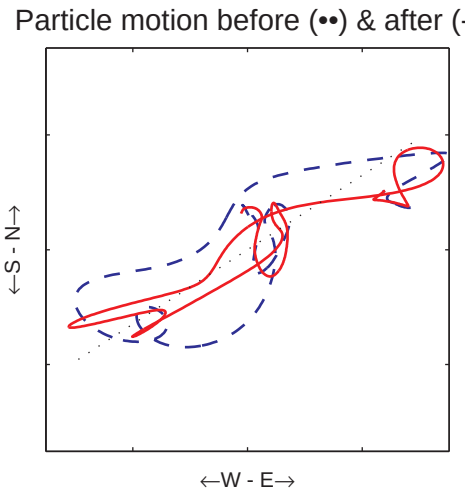
Quality: **fair** IsNull: **No** Phase: **SKS**

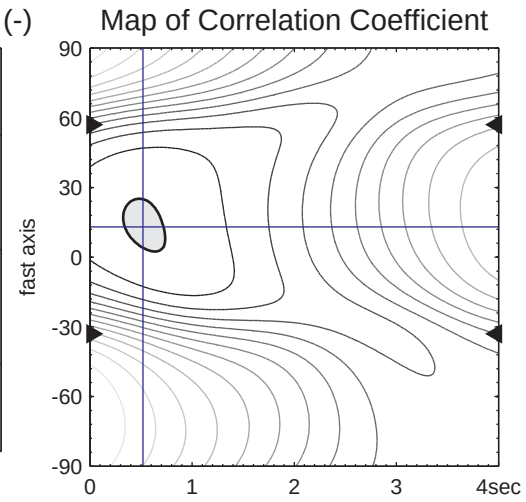


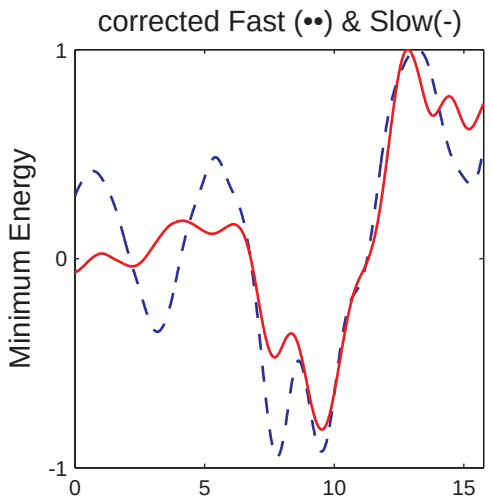
Inc = **10.6”**

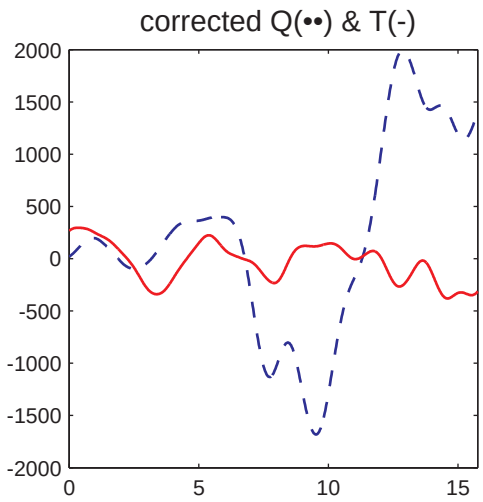


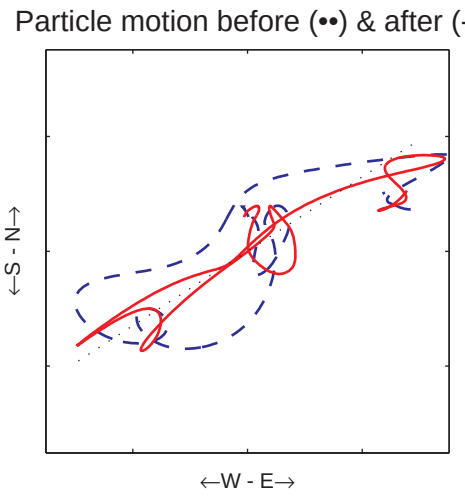


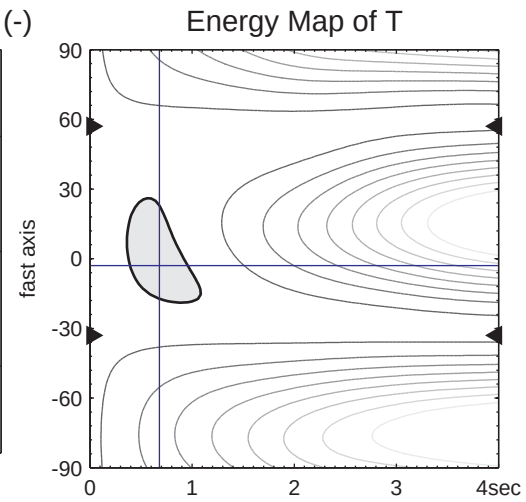


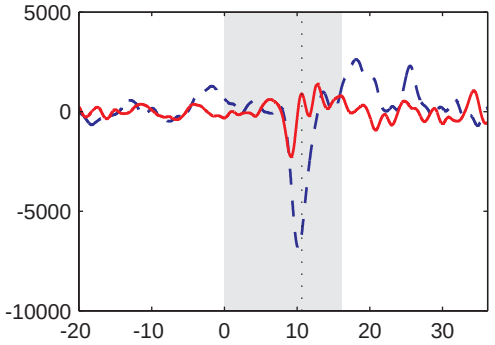








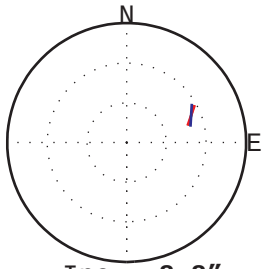




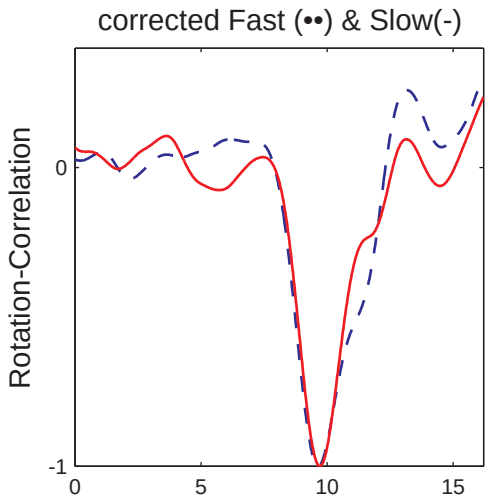
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **KONT** Backazimuth: **67.2”** Distance: **98.07”**
init.Pol.: **239.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.4**

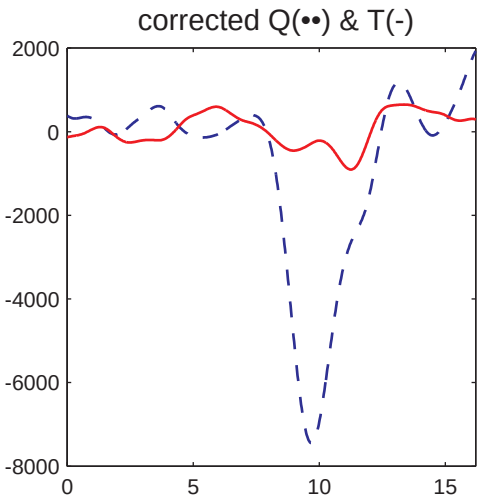
Rotation Correlation:	7<	14° <	23	0.6<0.7s<0.8
Minimum Energy:	5<	19° <	33	0.5<0.7s<0.8
Eigenvalue:	-7<	3° <	15	0.6<0.7s<0.9

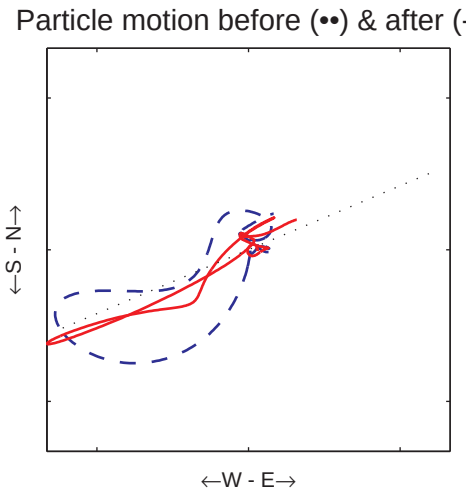
Quality: **good** IsNull: **No** Phase: **SKS**

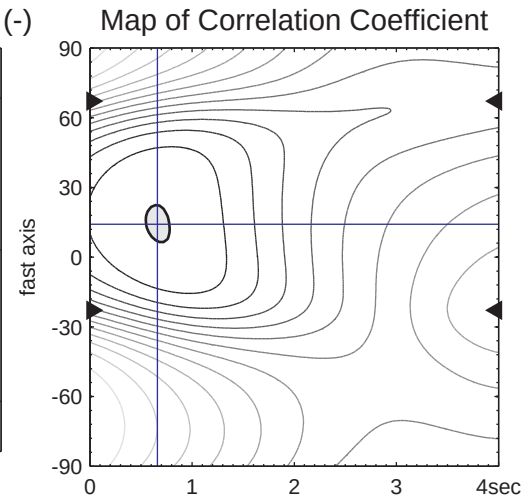


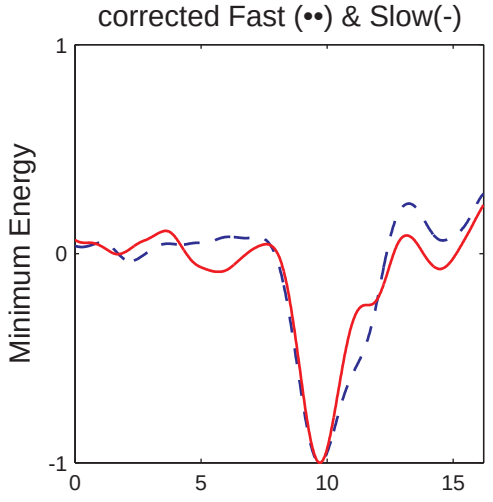
Inc = **8.8”**

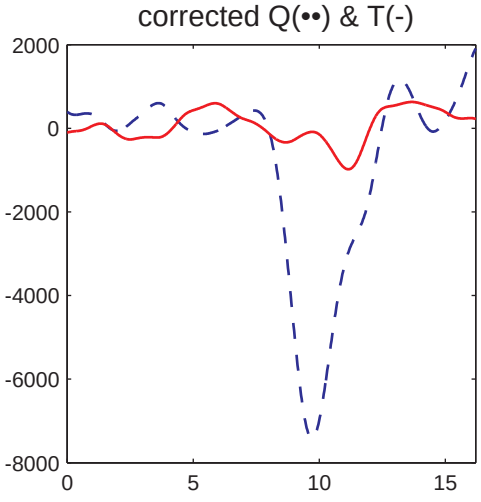


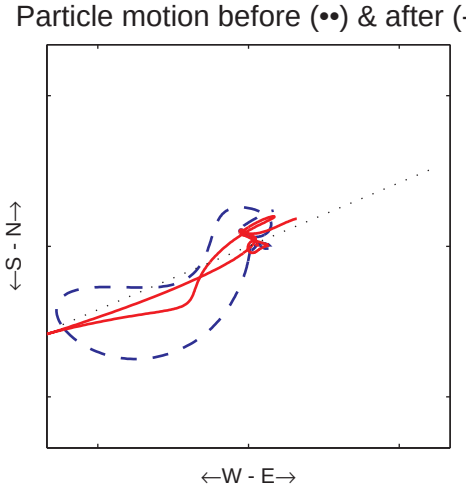


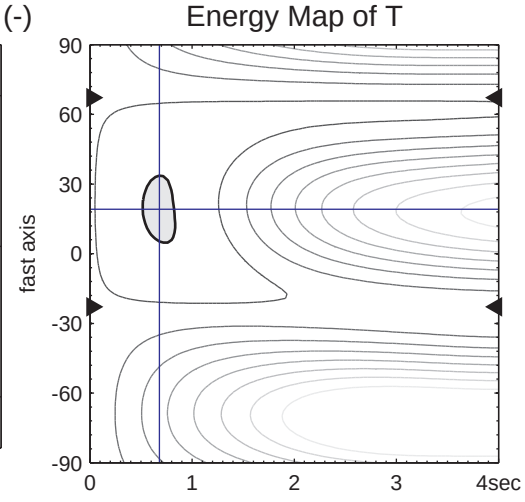


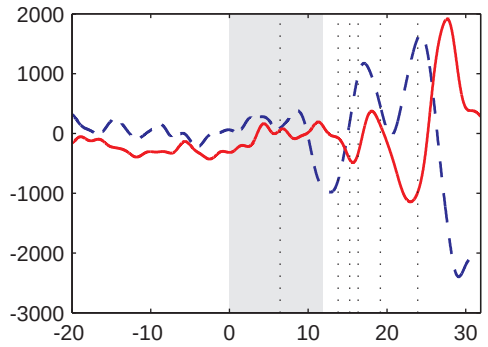








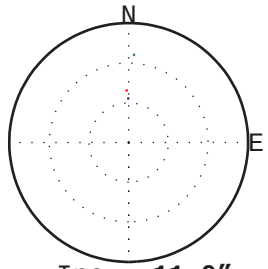




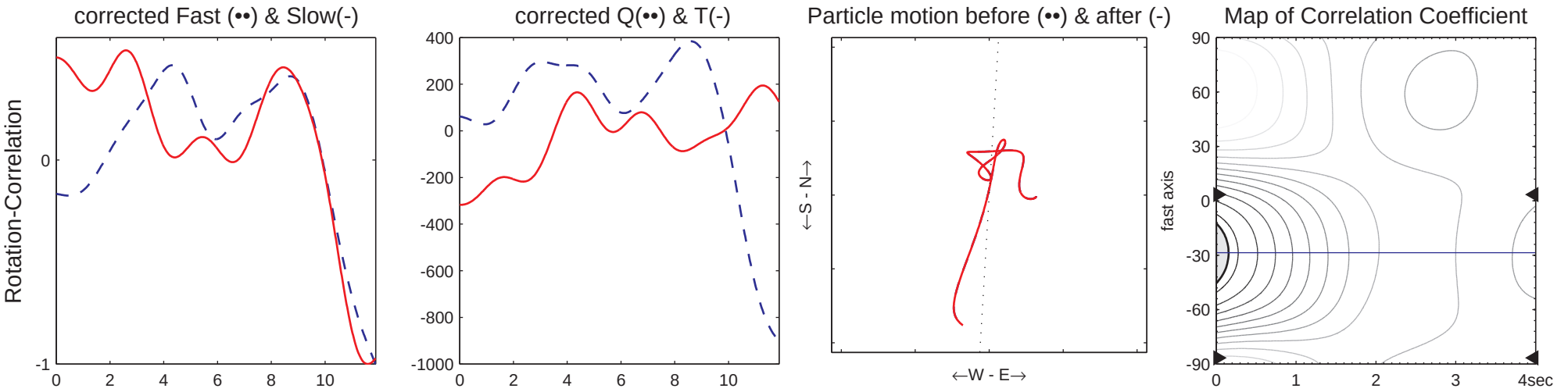
Event: **25-May-2008 (146) 19:18 56.09N -153.78E 22km Mw=6.0**
Station: **KONT** Backazimuth: **3.4”** Distance: **85.82”**
init.Pol.: **174.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

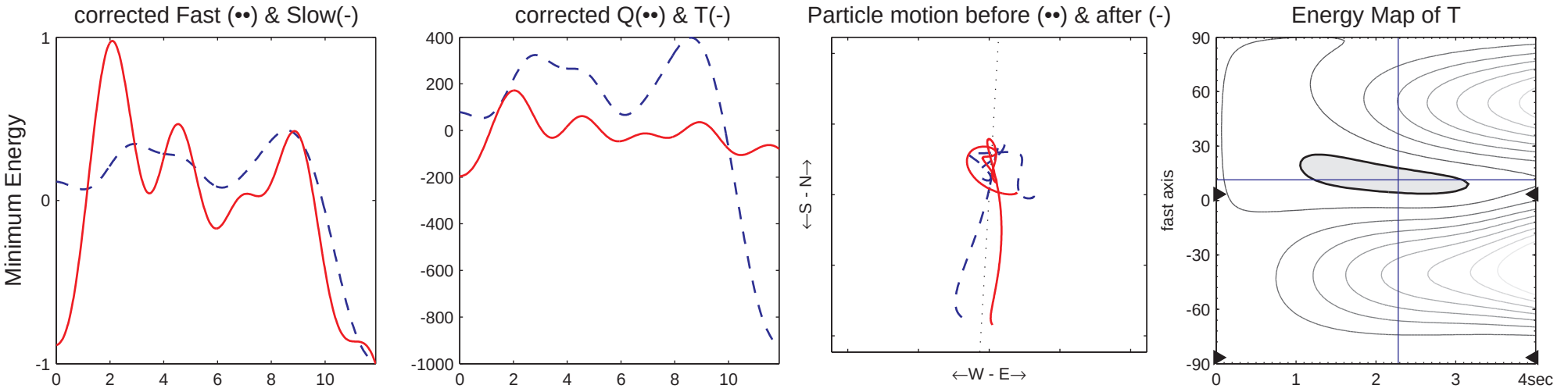
Rotation Correlation:	-47<	-29° <	-14	0.0<0.0s<0.2
Minimum Energy:	3<	11° <	25	1.0<2.3s<3.2
Eigenvalue:	1<	7° <	21	1.4<2.8s<3.6

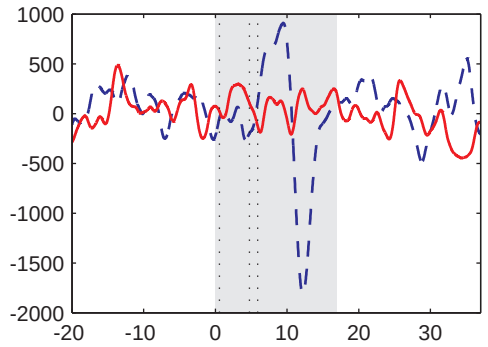
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **11.0”**



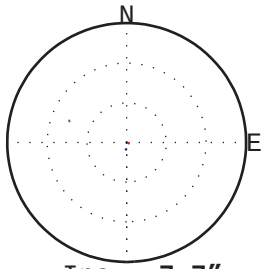


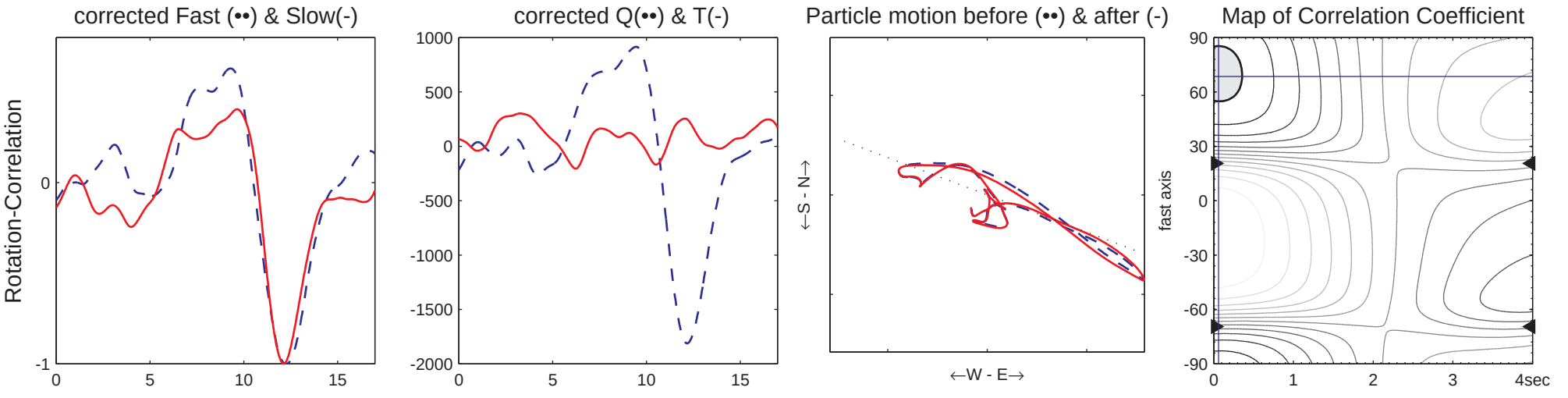


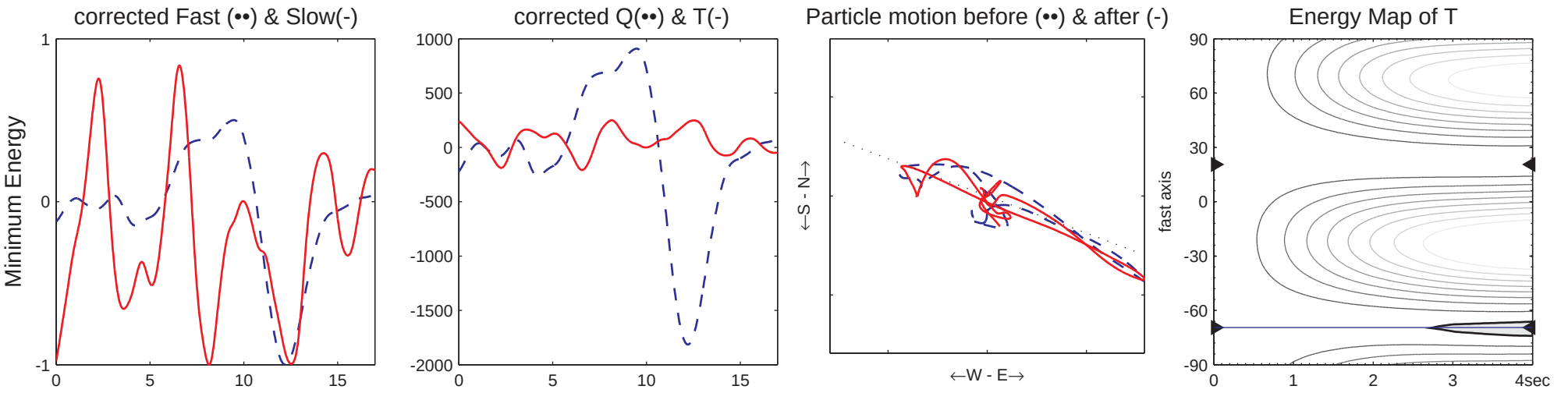
Event: **12-Mar-2009 (071) 23:23 5.69N -82.77E 9km Mw=6.3**
Station: **KONT** Backazimuth: **290.6”** Distance: **105.80”**
init.Pol.: **122.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.0**

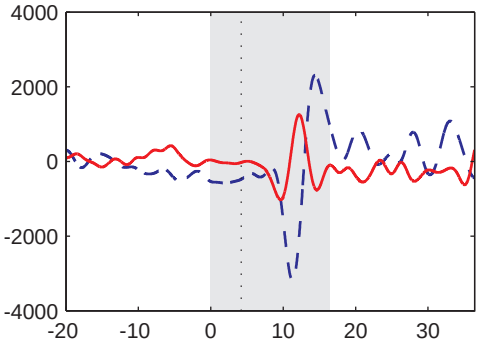
Rotation Correlation:	55<	69° <	85	0.0<0.1s<0.4
Minimum Energy:	-76<	-69° <	-68	2.7<4.0s<4.0
Eigenvalue:	-72<	-63° <	-62	3.2<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





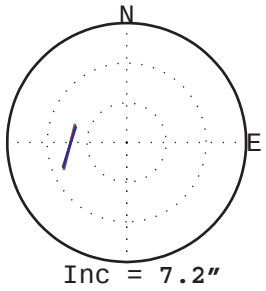


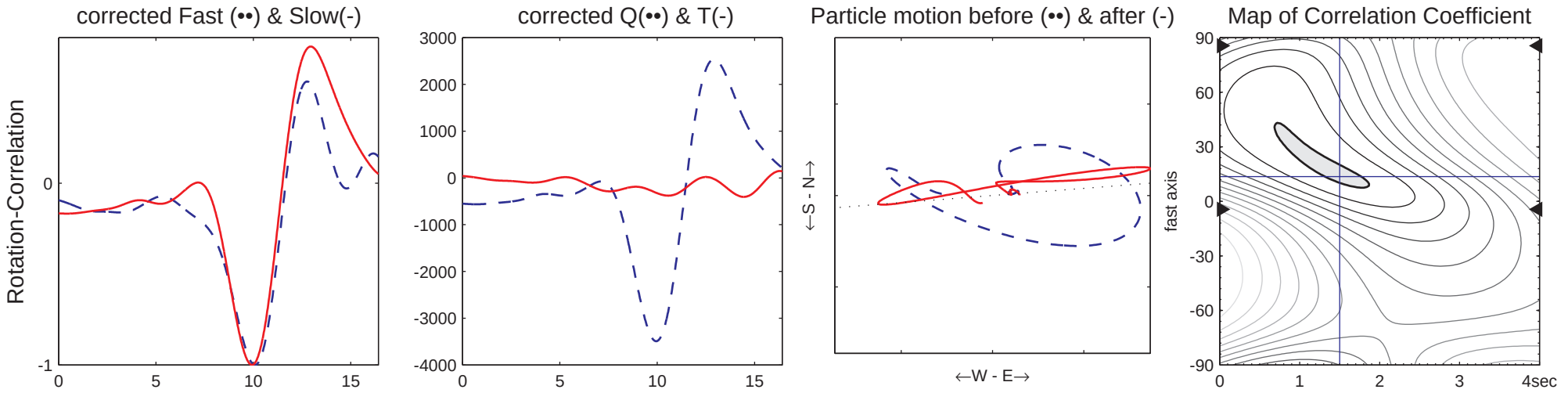


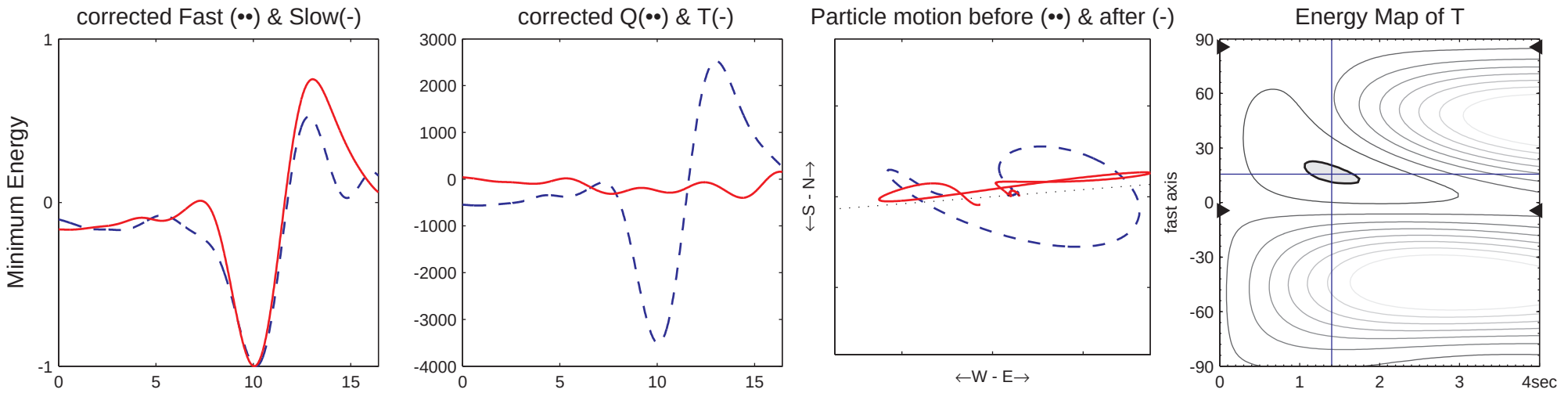
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km Mw=6.1**
Station: **KONT** Backazimuth: **265.6”** Distance: **109.17”**
init.Pol.: **86.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.7**

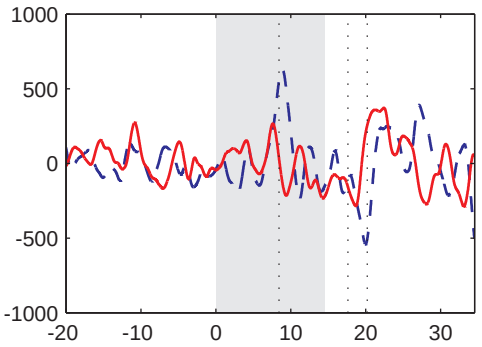
Rotation Correlation:	8<	14° <	43	0.7<1.5s<1.9
Minimum Energy:	11<	16° <	23	1.1<1.4s<1.8
Eigenvalue:	11<	18° <	25	1.1<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





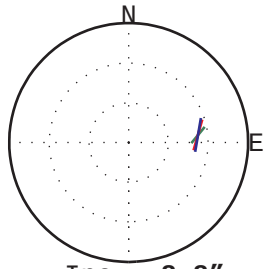


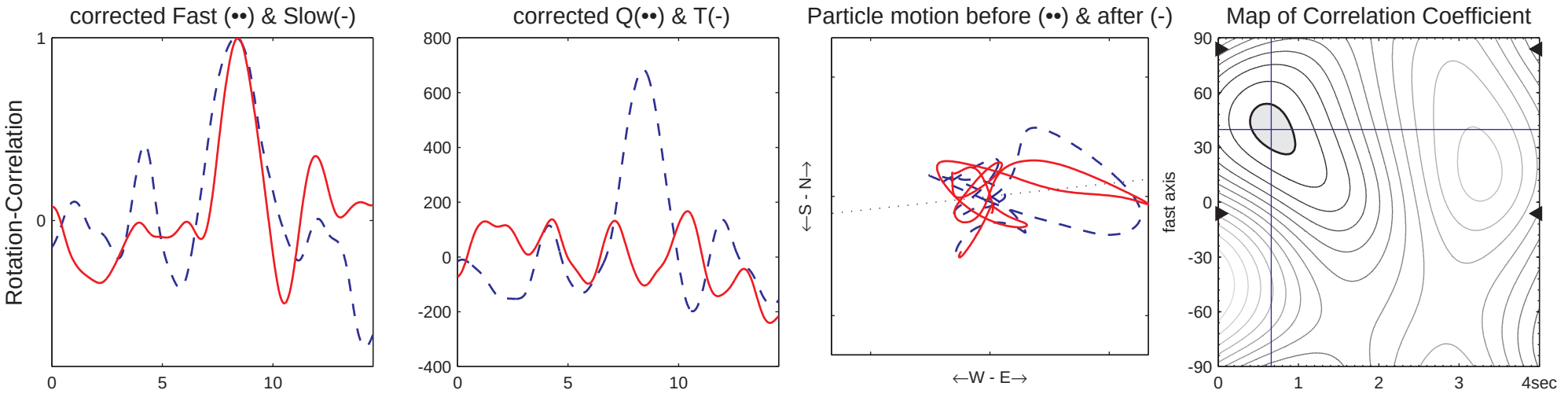


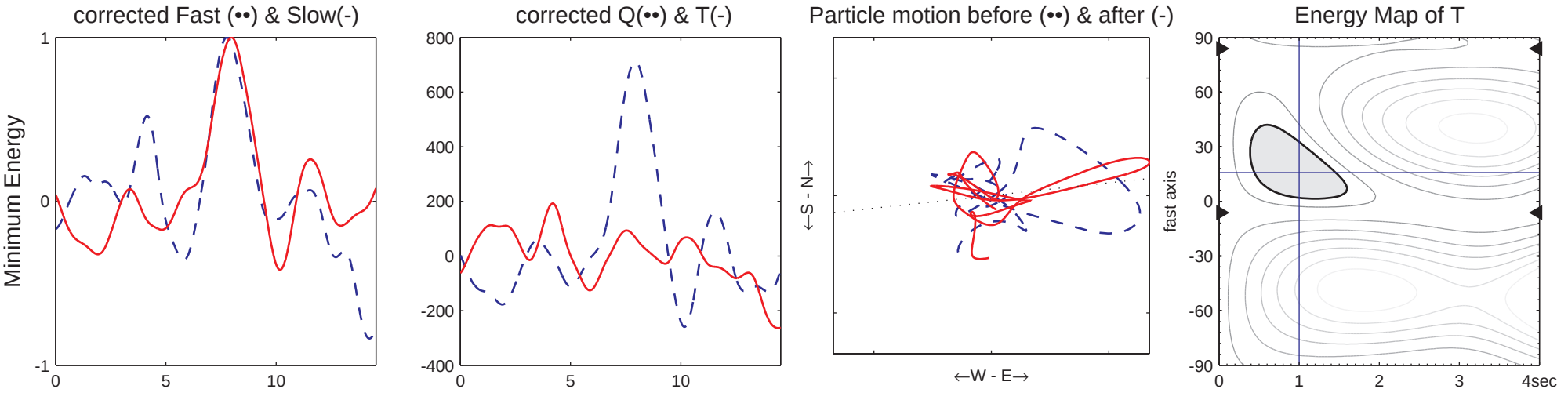
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **KONT** Backazimuth: **83.8”** Distance: **98.58”**
init.Pol.: **256.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

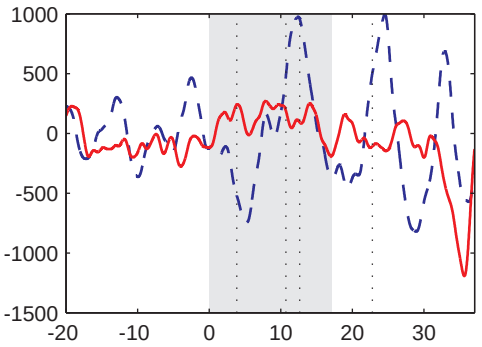
Rotation Correlation:	27<	40° <	54	0.4<0.7s<1.0
Minimum Energy:	1<	16° <	41	0.4<1.0s<1.6
Eigenvalue:	-9<	10° <	39	0.4<1.1s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





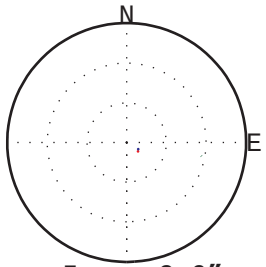




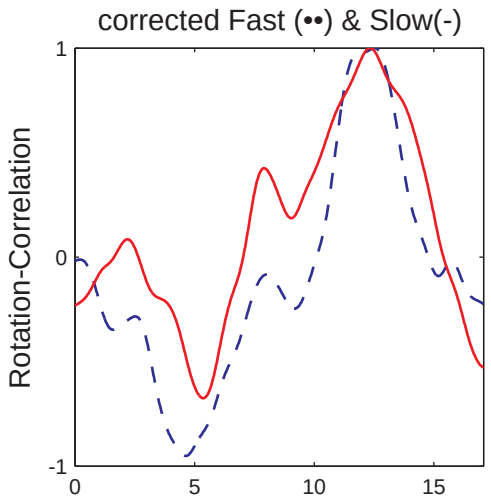
Event: **28-Nov-2009 (332) 06:04 -10.40N 118.89E 15km Mw=6.0**
Station: **KONT** Backazimuth: **100.3”** Distance: **93.67”**
init.Pol.: **286.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.5**

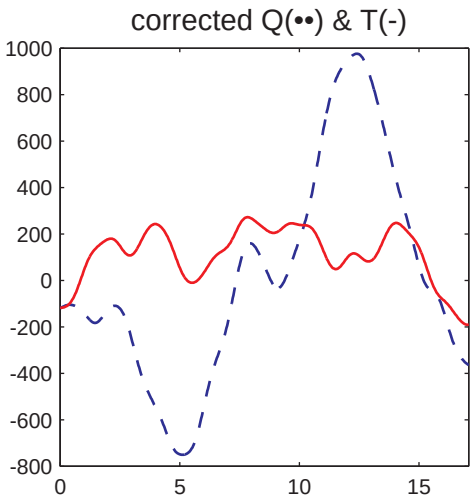
Rotation Correlation:	-64<	-39° <	-16	0.0<0.0s<1.1
Minimum Energy:	-Inf<	-86° <	Inf	0.0<4.0s<Inf
Eigenvalue:	88<	-84° <	-76	2.2<4.0s<4.0

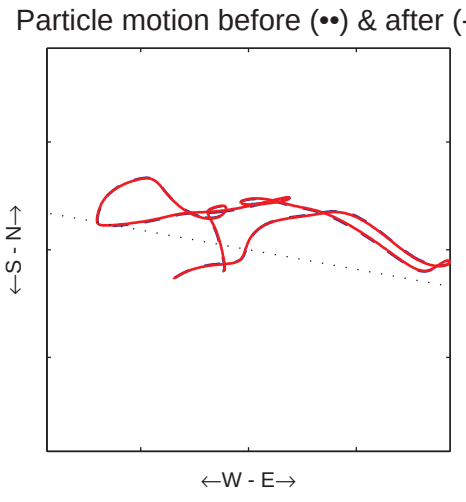
Quality: **good** IsNull: **Yes** Phase: **SKS**

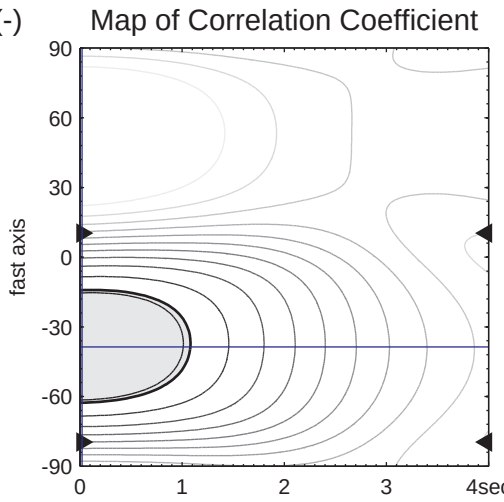


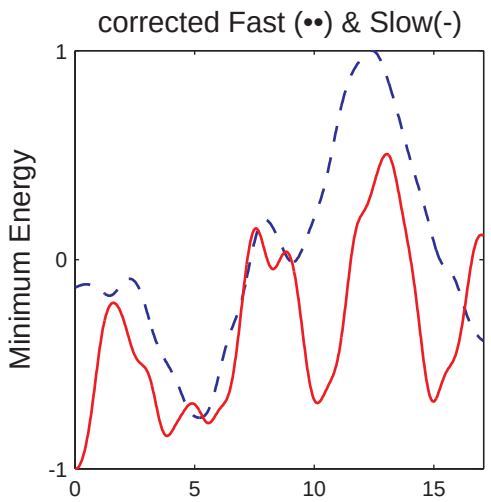
Inc = **9.6”**

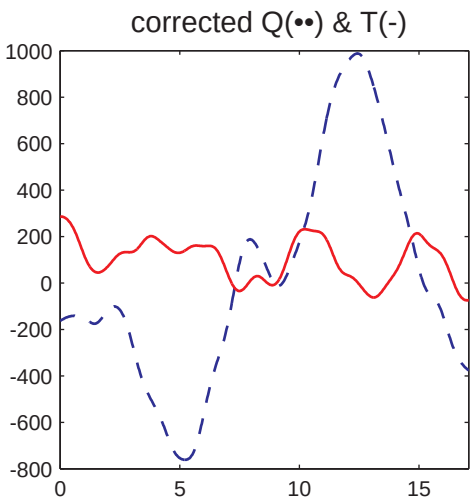


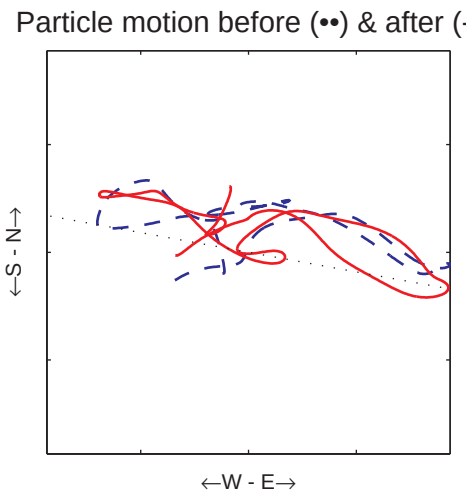


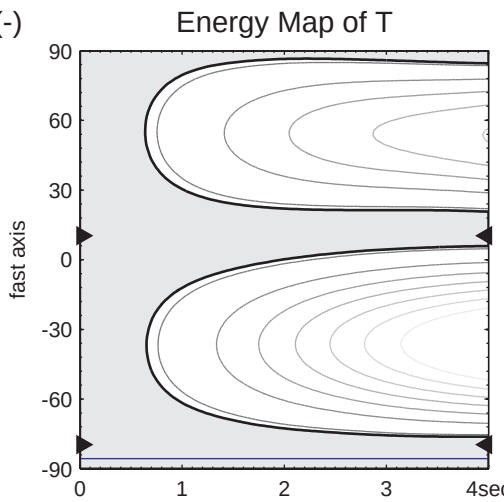


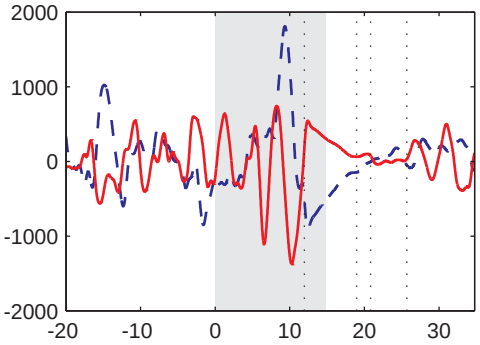








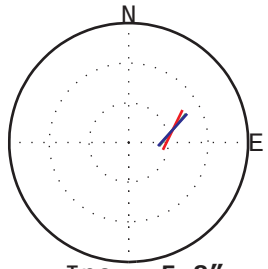


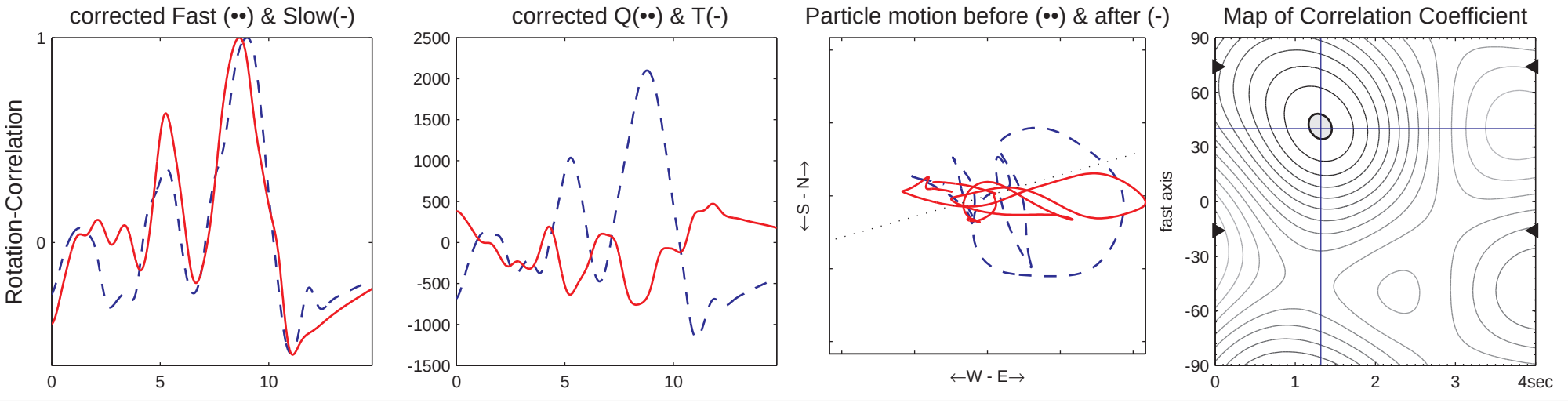


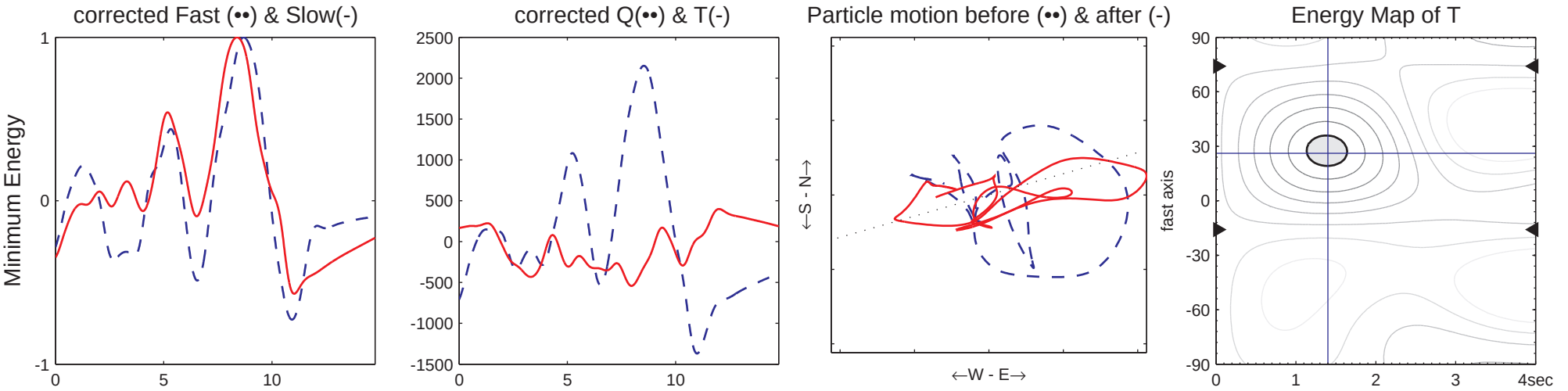
Event: **04-Jan-2010 (004) 11:28 -8.38N 157.09E 15km Mw=5.8**
Station: **KONT** Backazimuth: **74.1”** Distance: **122.28”**
init.Pol.: **274.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

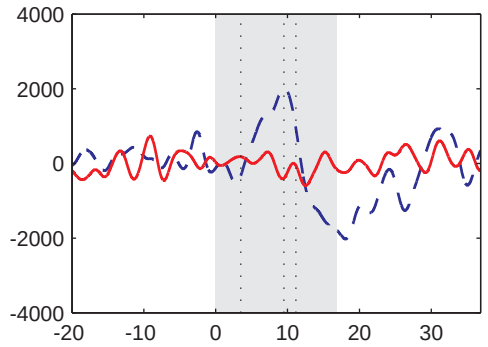
Rotation Correlation:	35<	40° <	48	1.2<1.3s<1.4
Minimum Energy:	19<	26° <	35	1.1<1.4s<1.6
Eigenvalue:	35<	42° <	52	1.2<1.4s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





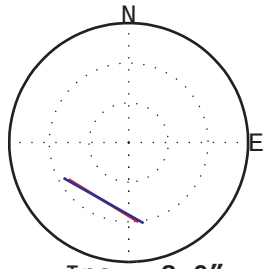




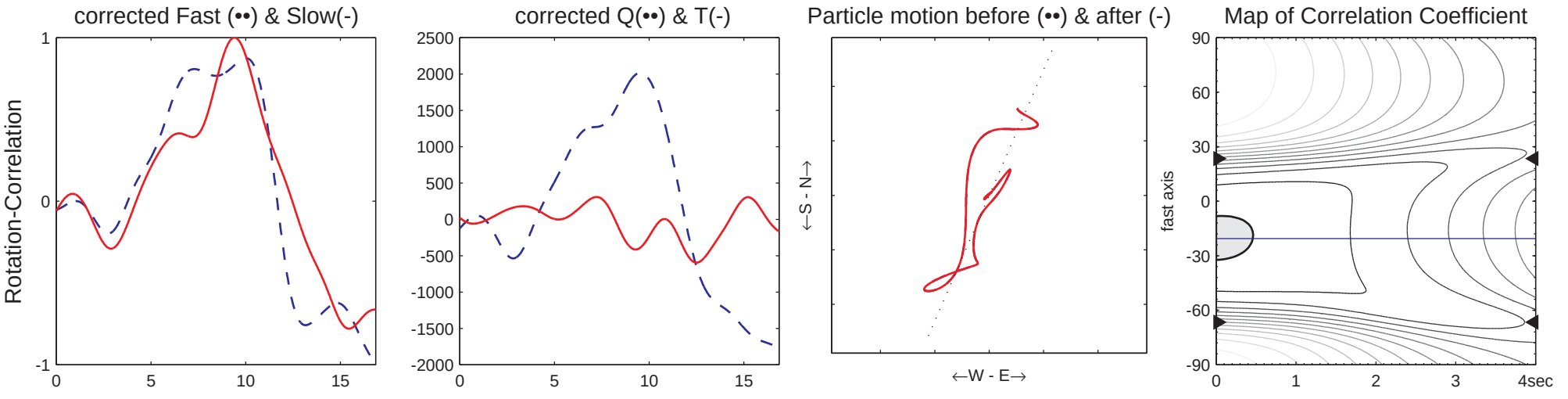
Event: **05-Jan-2010 (005) 04:55 -58.17N -14.70E 13km Mw=6.8**
Station: **KONT** Backazimuth: **203.4”** Distance: **103.83”**
init.Pol.: **22.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

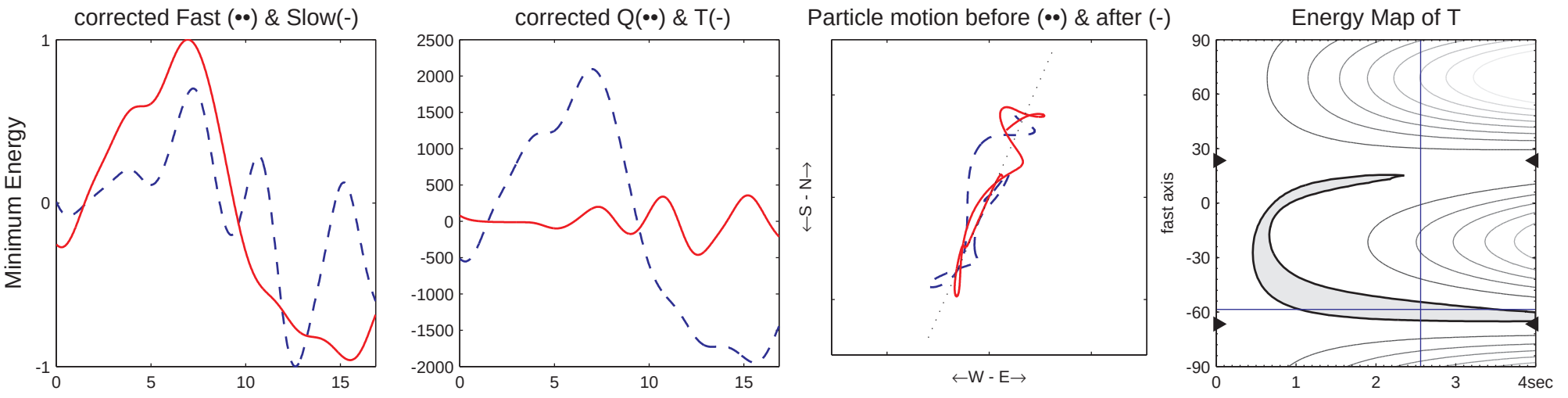
Rotation Correlation:	-34<	-21° < -10	0.0<0.0s<0.5
Minimum Energy:	-68<	-59° < 13	0.4<2.6s<4.0
Eigenvalue:	-72<	-61° < 19	0.4<2.9s<4.0

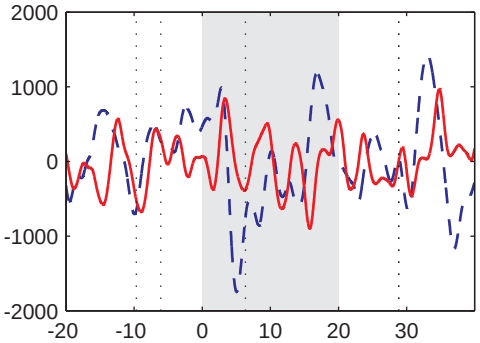
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **8.0”**



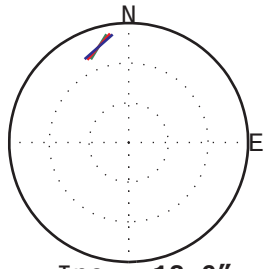




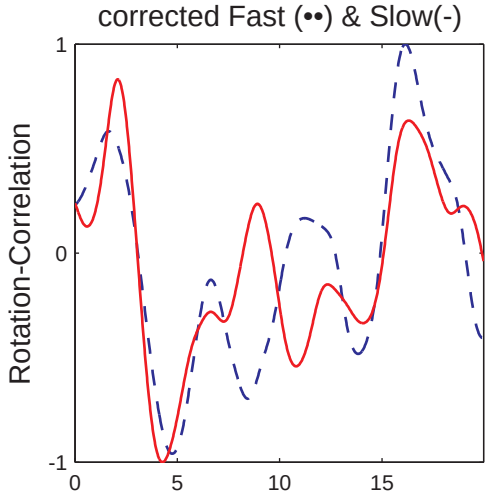
Event: **10-Jan-2010 (010) 00:27 40.65N -124.69E 29km Mw=6.5**
Station: **KONT** Backazimuth: **342.6”** Distance: **98.65”**
init.Pol.: **168.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.1**

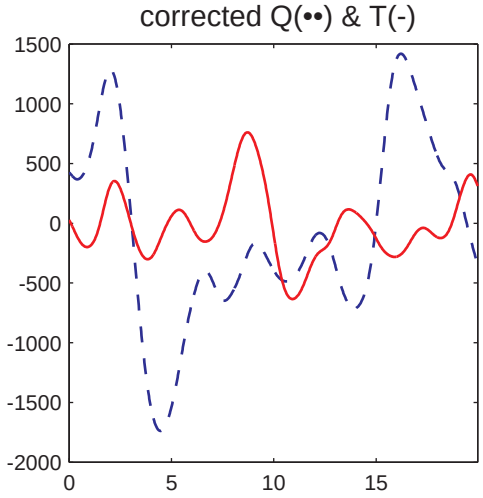
Rotation Correlation:	18<	32° <	48	0.6<0.9s<1.3
Minimum Energy:	11<	41° <	62	0.5<1.1s<1.8
Eigenvalue:	11<	49° <	72	0.5<1.2s<1.8

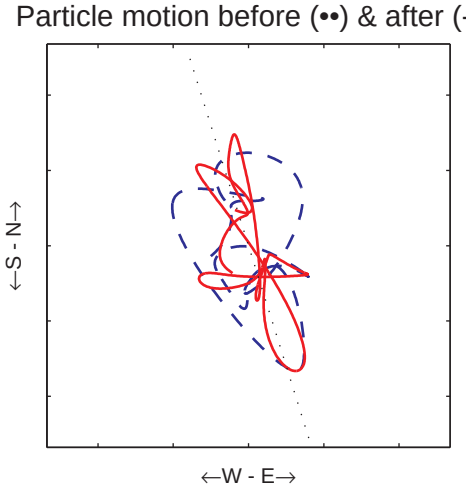
Quality: **fair** IsNull: **No** Phase: **SKKS**

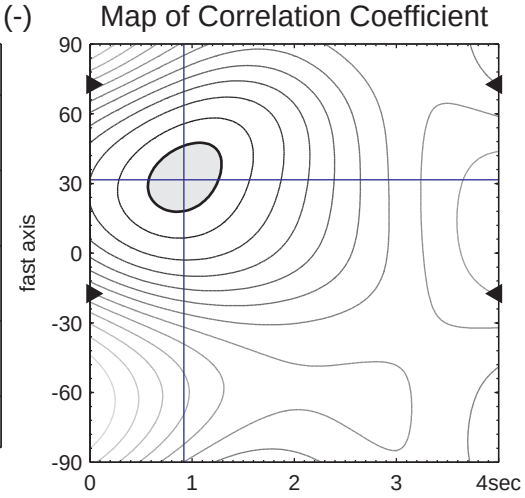


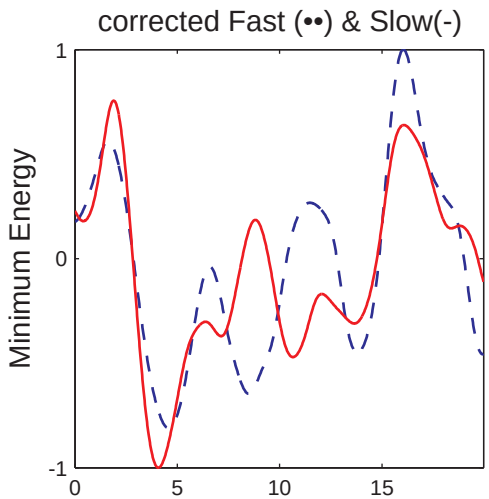
Inc = **12.6”**

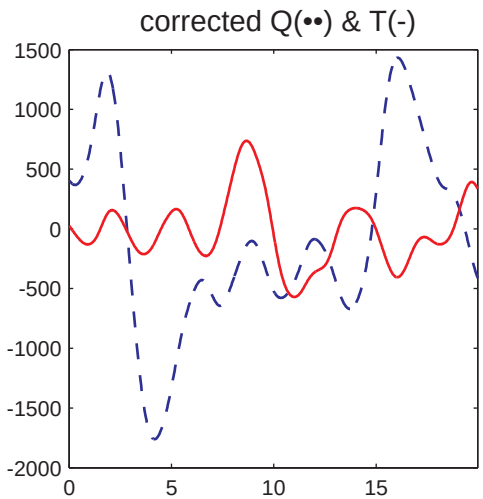


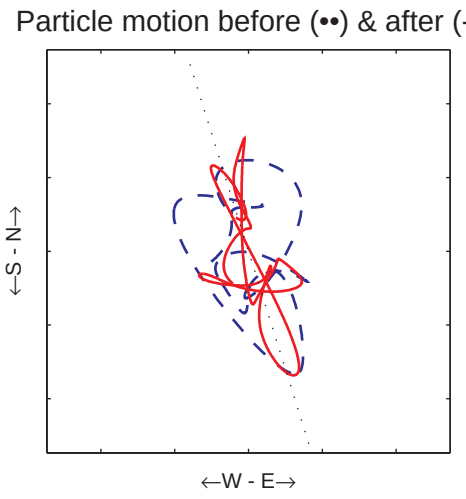


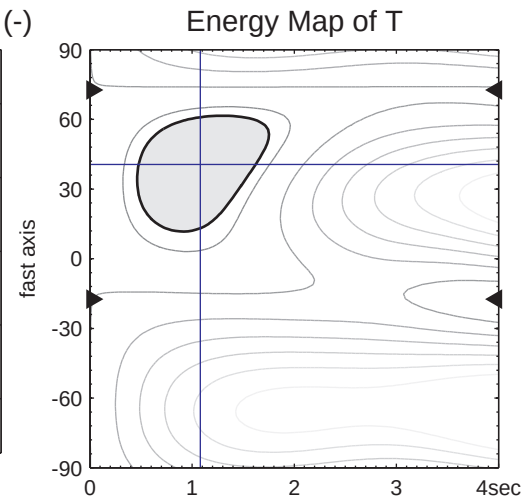


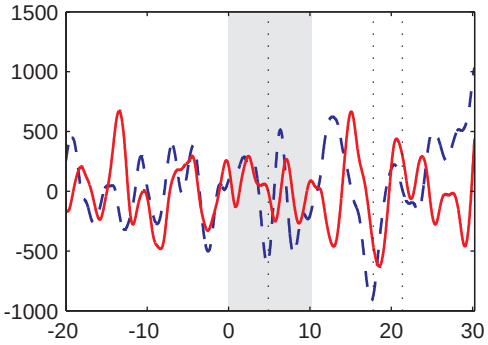








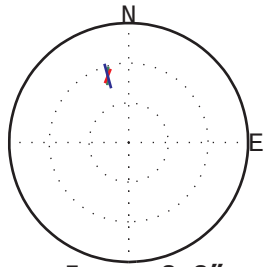


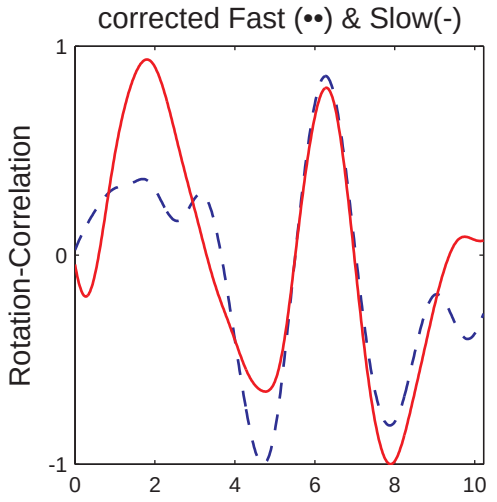


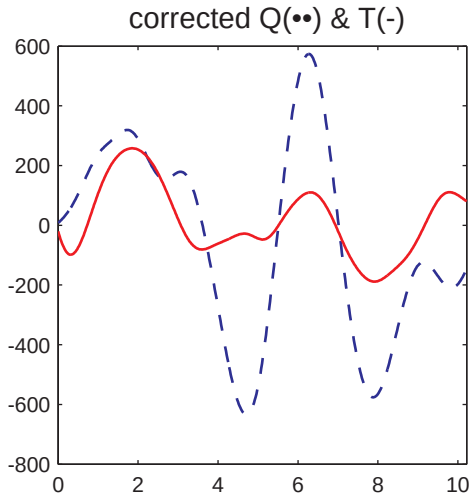
Event: **10-Jan-2010 (010) 00:27 40.65N -124.69E 29km Mw=6.5**
Station: **KONT** Backazimuth: **342.6”** Distance: **98.65”**
init.Pol.: **139.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.8**

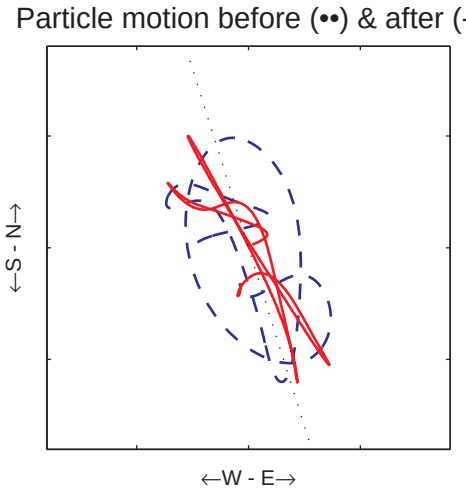
Rotation Correlation:	-10<	3° <	20	0.4<0.6s<0.8
Minimum Energy:	-1<	23° <	52	0.3<0.5s<0.7
Eigenvalue:	-31<	-15° <	3	0.5<0.8s<1.1

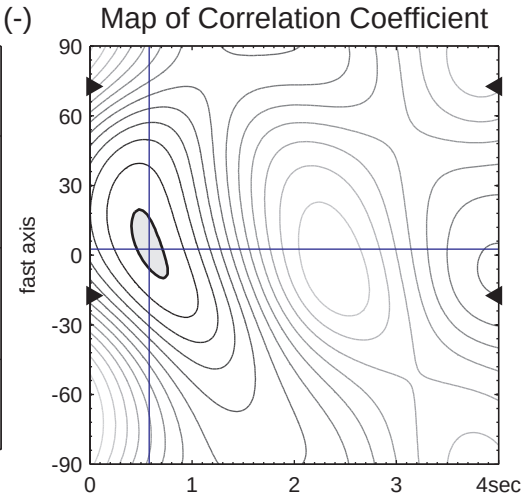
Quality: **fair** IsNull: **No** Phase: **SKS**

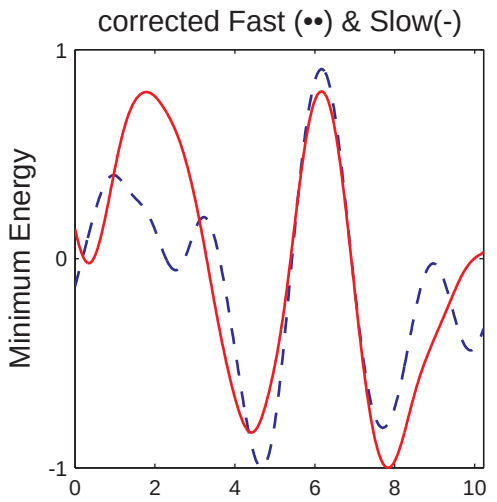


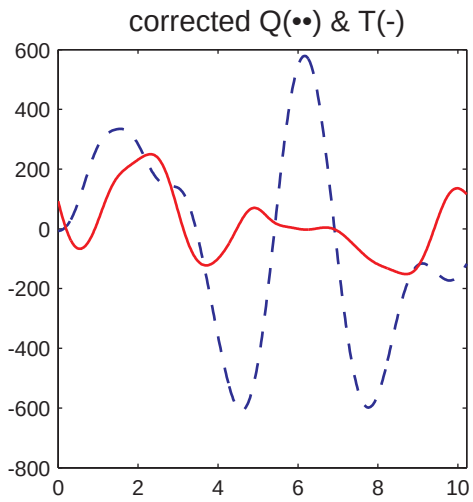


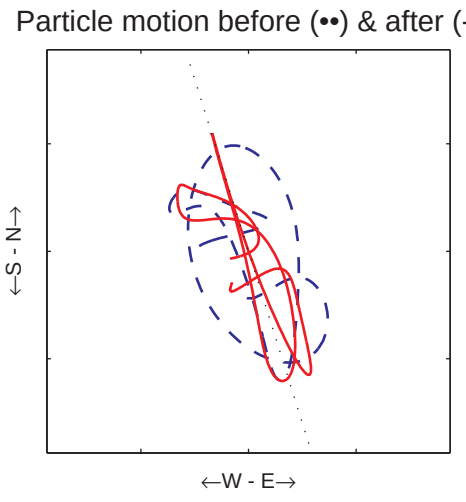


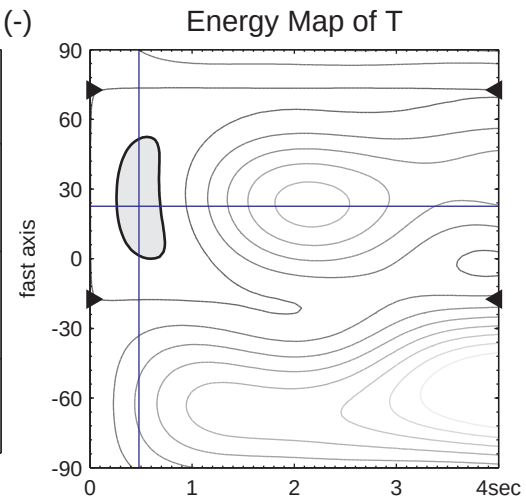


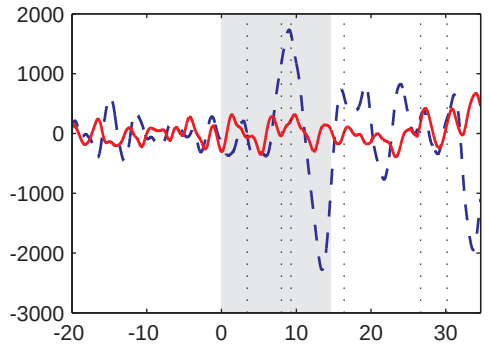








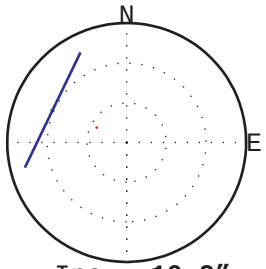




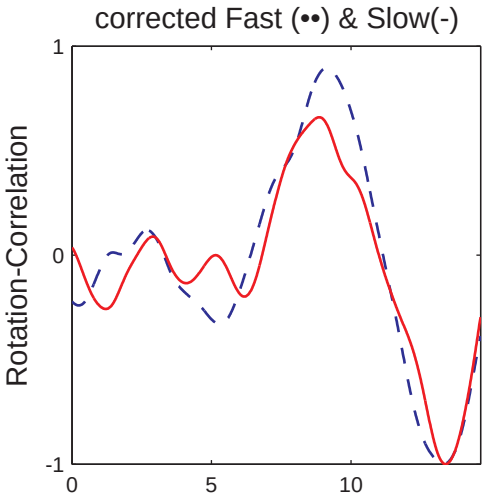
Event: **20-Jan-2010 (020) 11:03 18.42N -72.82E 10km Mw=5.9**
Station: **KONT** Backazimuth: **293.7”** Distance: **90.09”**
init.Pol.: **122.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.1**

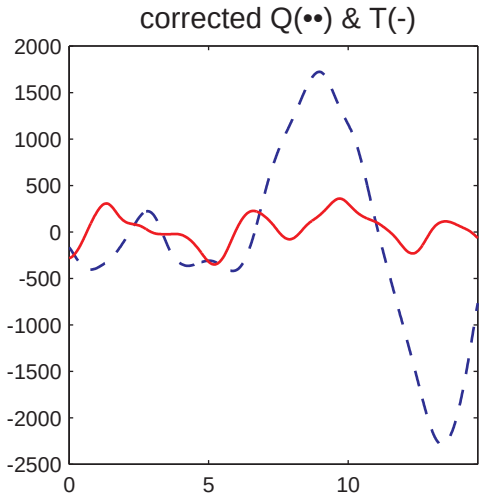
Rotation Correlation:	56<	66° <	77	0.0<0.1s<0.3
Minimum Energy:	-74<	-68° <	-68	1.2<3.0s<4.0
Eigenvalue:	19<	26° <	29	3.4<4.0s<4.0

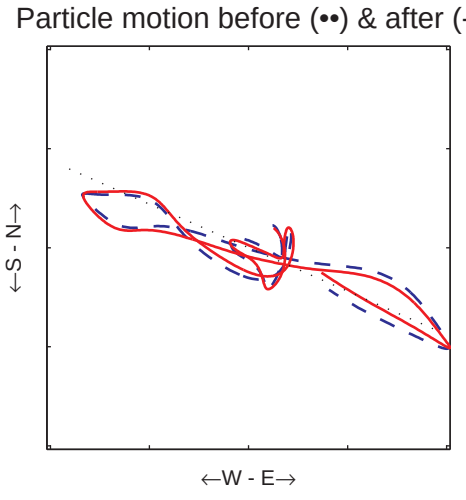
Quality: **good** IsNull: **Yes** Phase: **SKS**

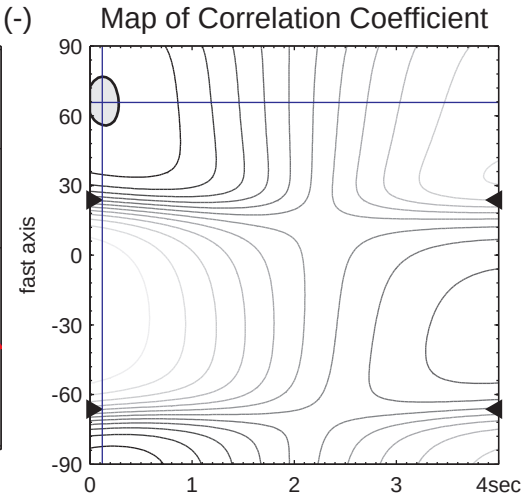


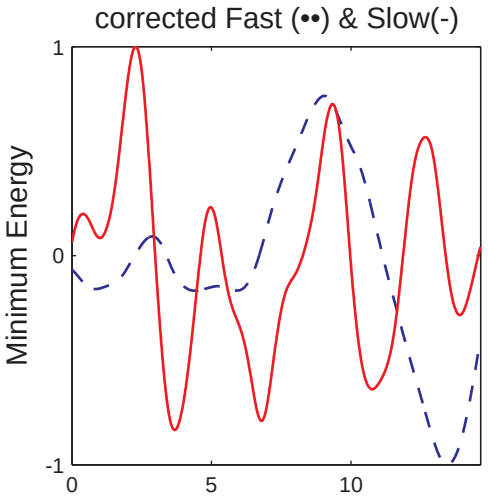
Inc = **10.2”**

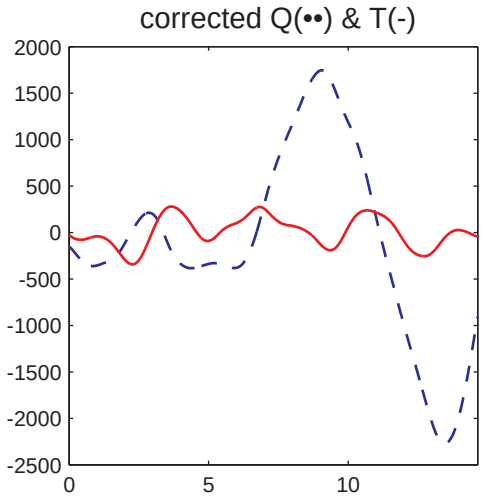


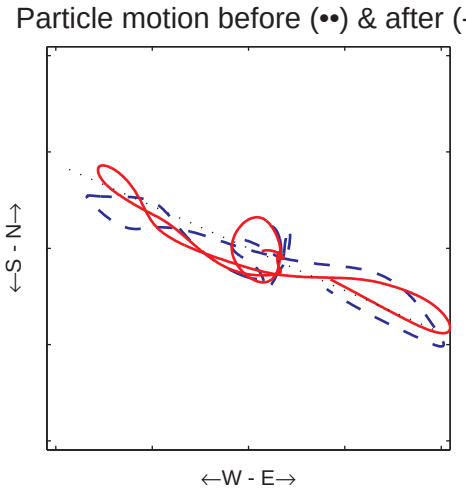


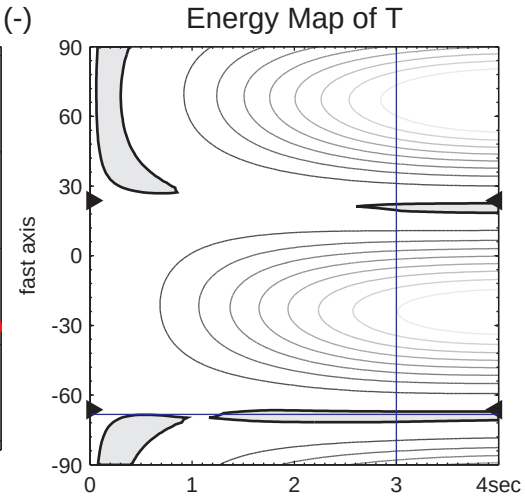


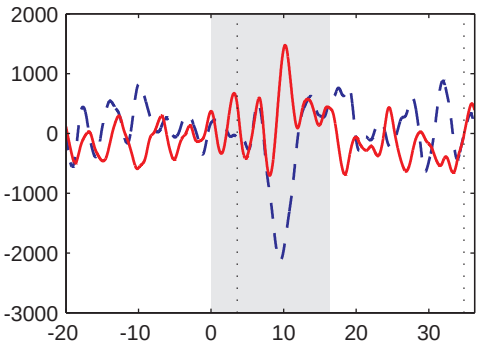








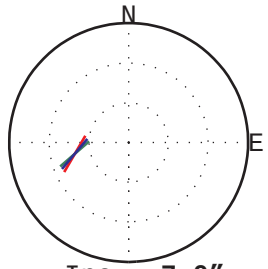




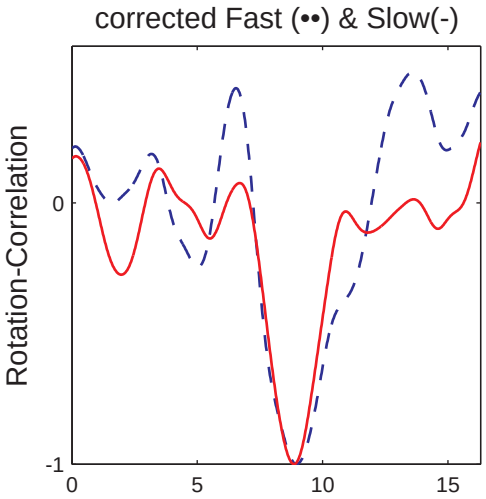
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **KONT** Backazimuth: **258.0”** Distance: **111.59”**
init.Pol.: **88.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.0**

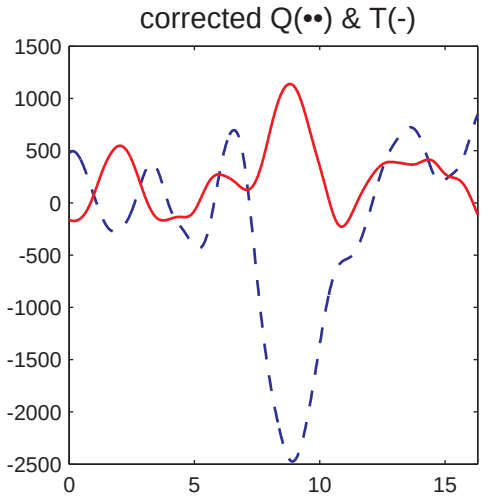
Rotation Correlation:	41<	49° <	59	1.0<1.2s<1.4
Minimum Energy:	15<	30° <	48	0.9<1.3s<1.8
Eigenvalue:	27<	40° <	56	1.0<1.2s<1.5

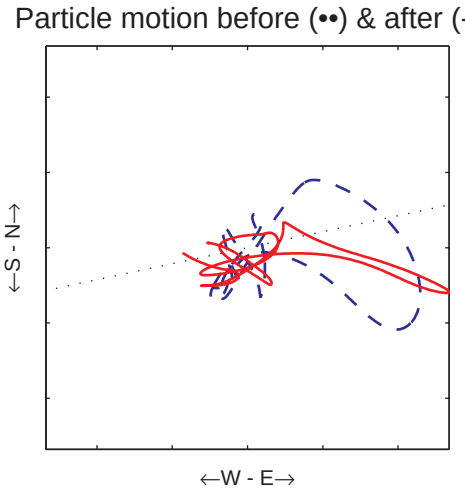
Quality: **fair** IsNull: **No** Phase: **SKS**

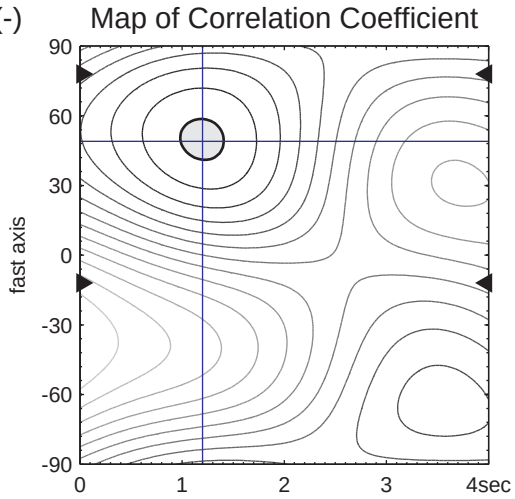


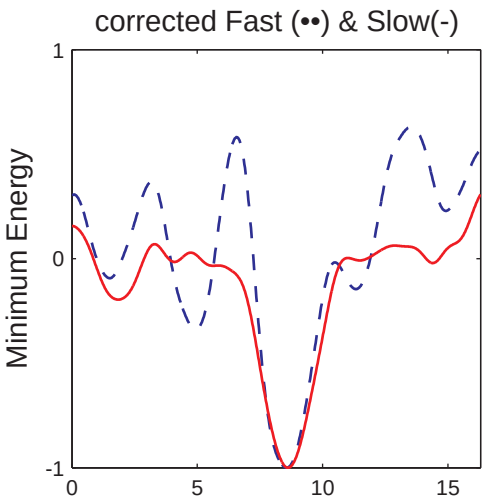
Inc = **7.0”**

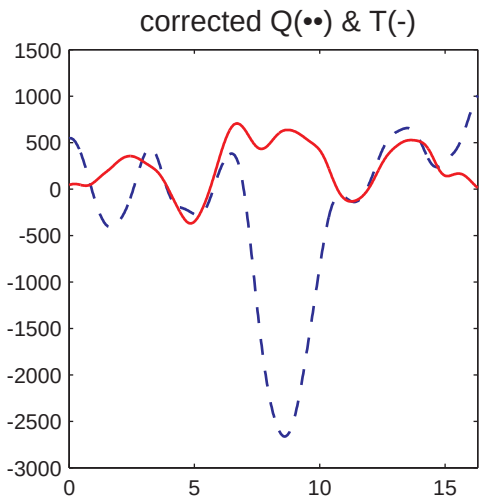


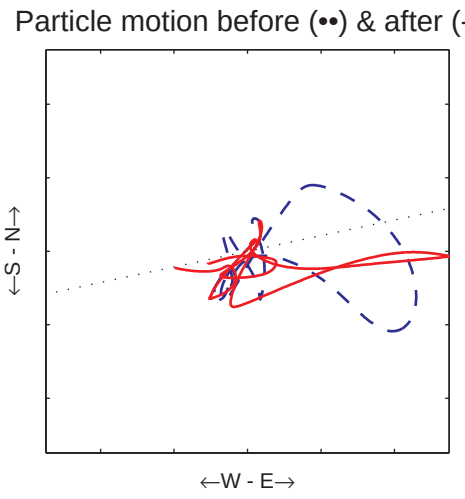


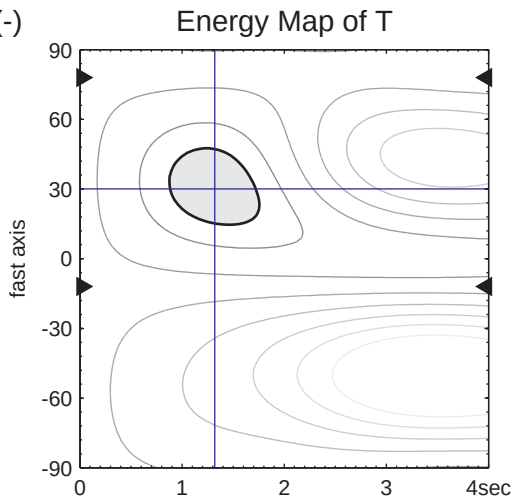


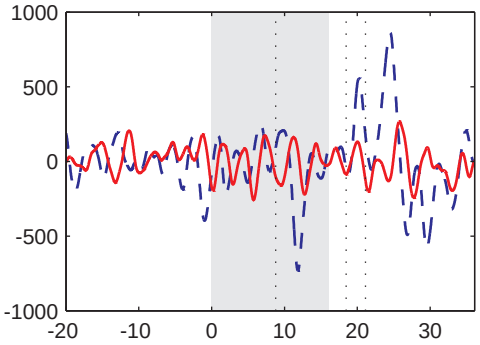








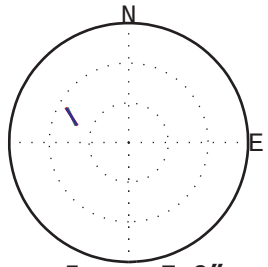




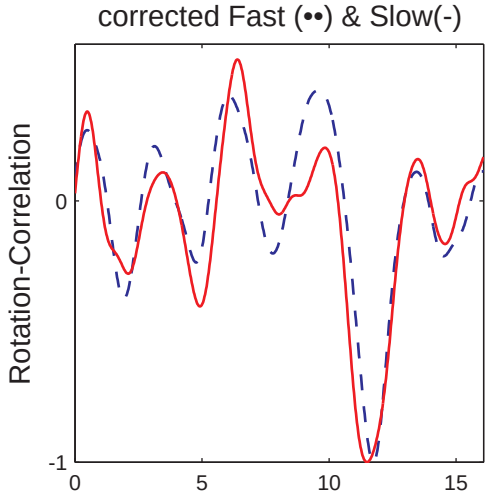
Event: **20-May-2010 (140) 22:16** **9.25N -84.30E** **21km** Mw=**5.9**
Station: **KONT** Backazimuth: **294.3”** Distance: **104.50”**
init.Pol.: **114.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.6**

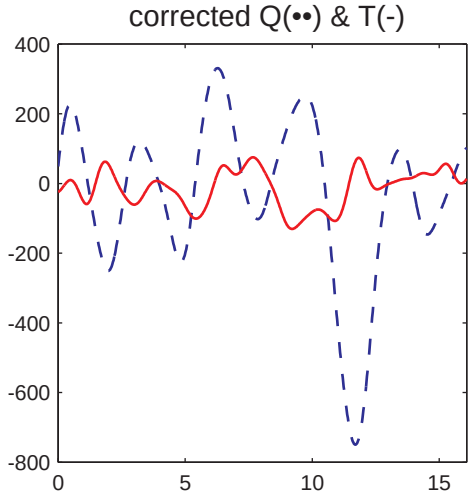
Rotation Correlation:	-43<	-25° <	-5	0.4<0.6s<0.8
Minimum Energy:	-48<	-34° <	-19	0.4<0.7s<0.9
Eigenvalue:	-54<	-32° <	-7	0.4<0.6s<0.9

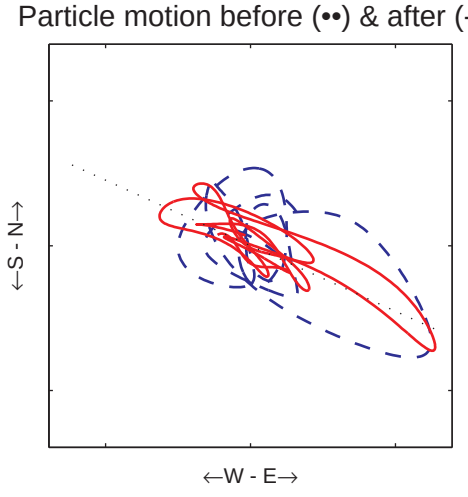
Quality: **fair** IsNull: **No** Phase: **SKS**

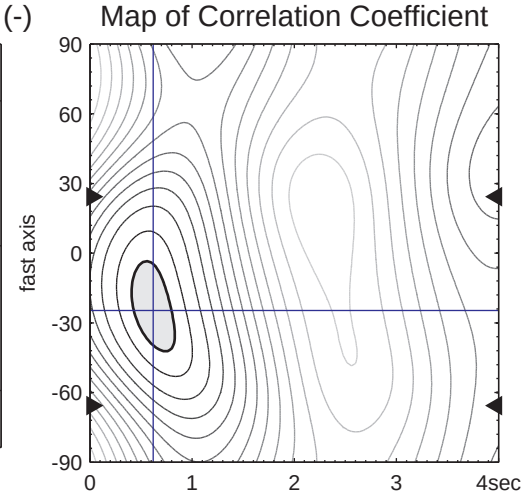


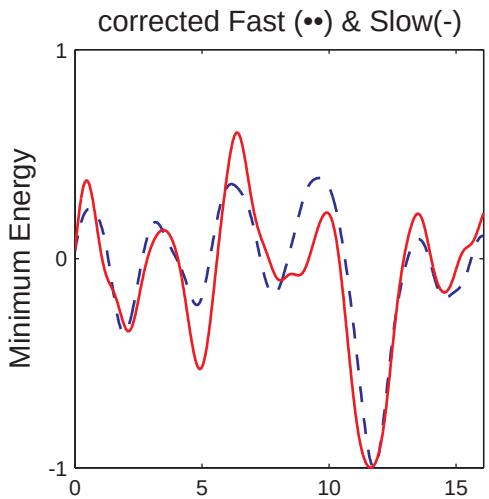
Inc = **7.9”**

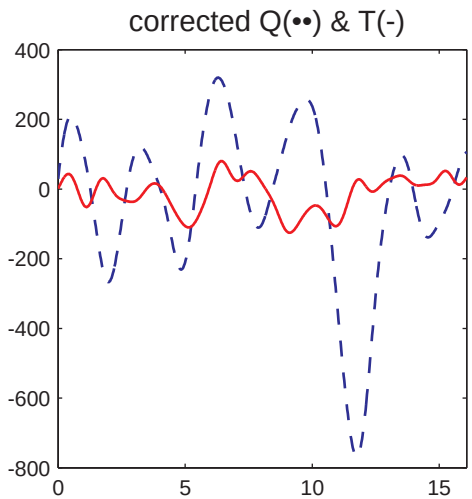


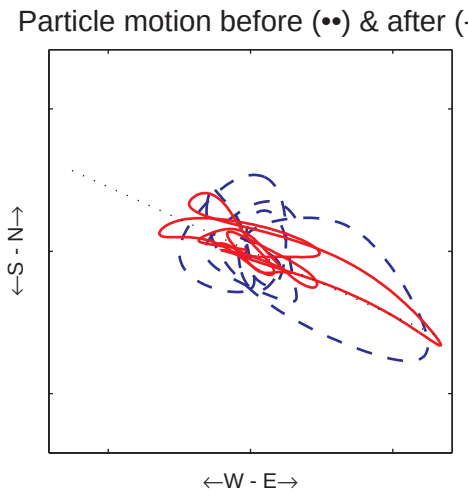


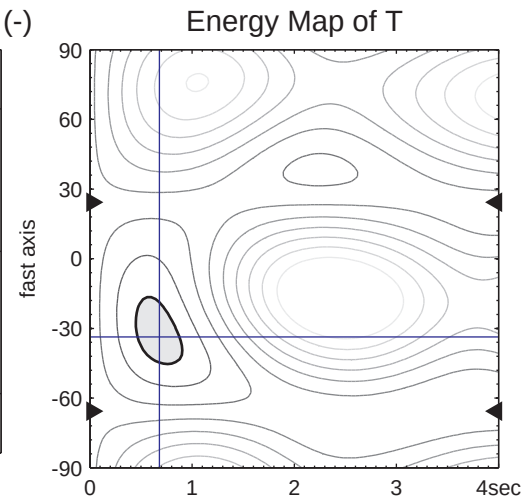


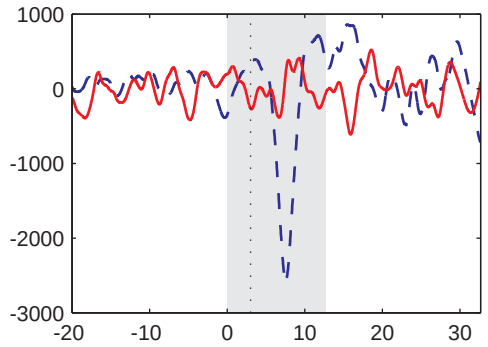








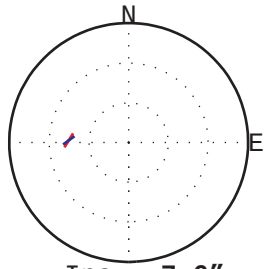




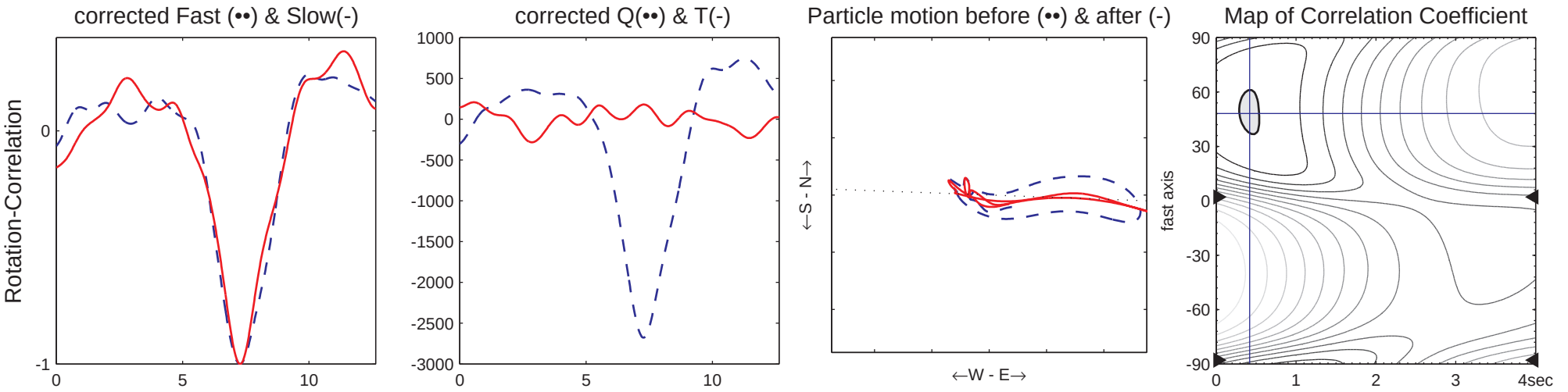
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **KONT** Backazimuth: **272.1”** Distance: **105.92”**
init.Pol.: **95.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.4**

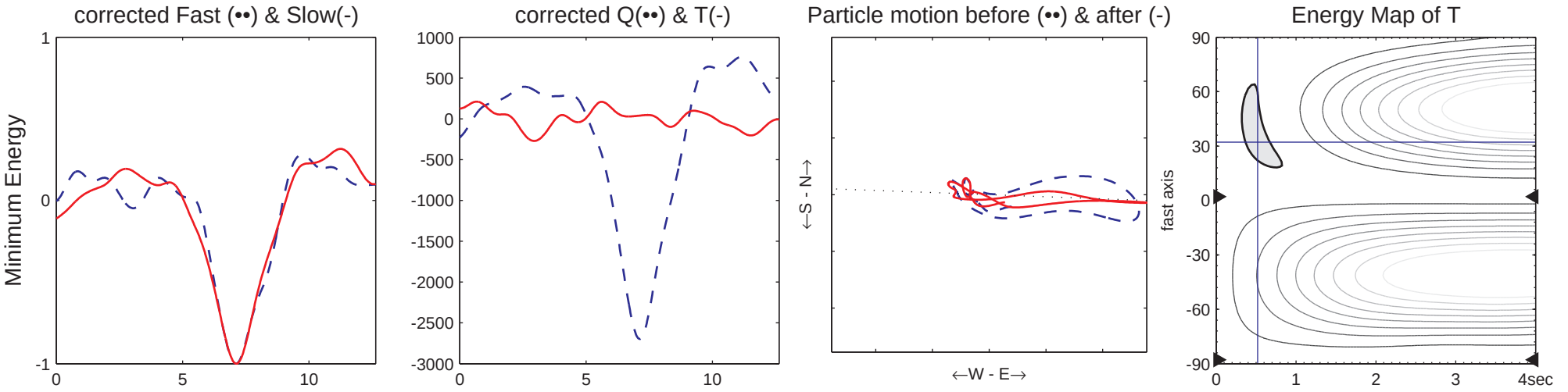
Rotation Correlation:	37<	48° <	61	0.3<0.4s<0.5
Minimum Energy:	17<	32° <	64	0.3<0.5s<0.8
Eigenvalue:	25<	54° <	-90	0.3<0.4s<1.4

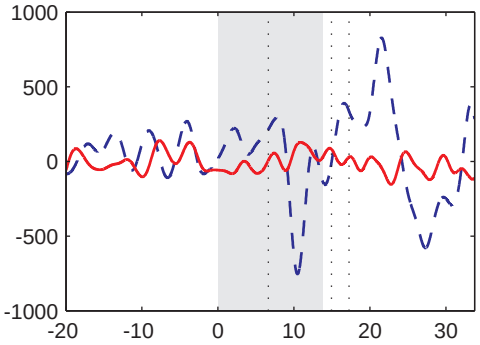
Quality: **fair** IsNull: **Yes** Phase: **SKS**



Inc = **7.6”**



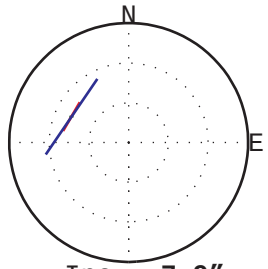




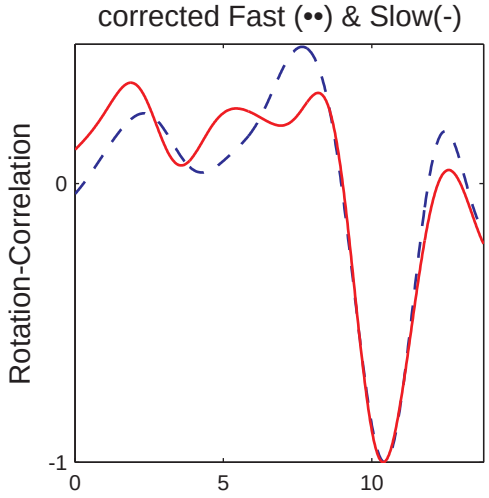
Event: **01-Jun-2010 (152) 03:26 9.33N -84.21E 18km Mw=6.0**
Station: **KONT** Backazimuth: **294.3”** Distance: **104.38”**
init.Pol.: **130.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

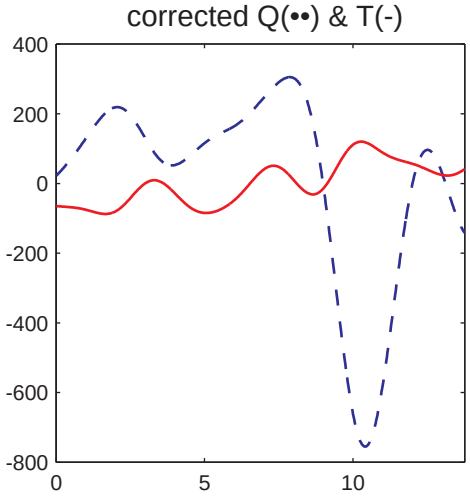
Rotation Correlation:	64<	78° < -88	0.0<0.1s<0.3
Minimum Energy:	-Inf<	30° < Inf	0.0<1.0s<Inf
Eigenvalue:	31<	34° < 39	2.3<2.9s<3.4

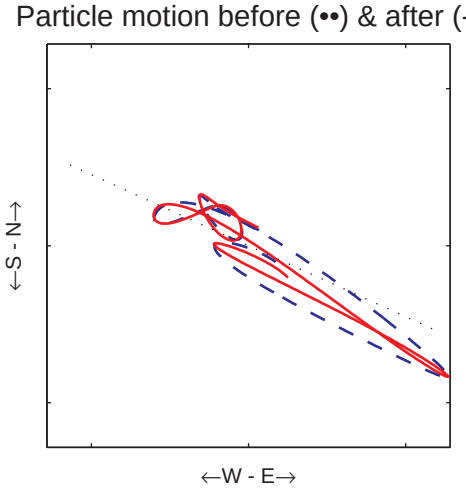
Quality: **good** IsNull: **Yes** Phase: **SKS**

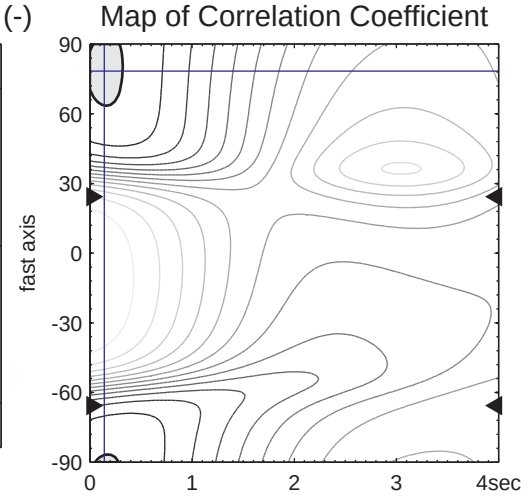


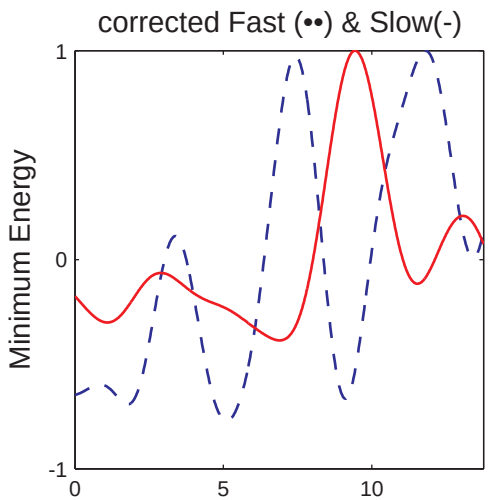
Inc = **7.9”**

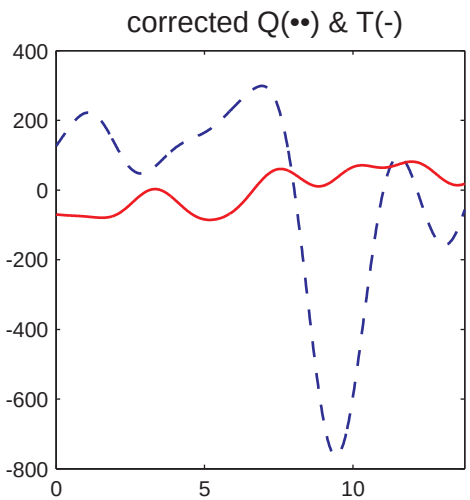


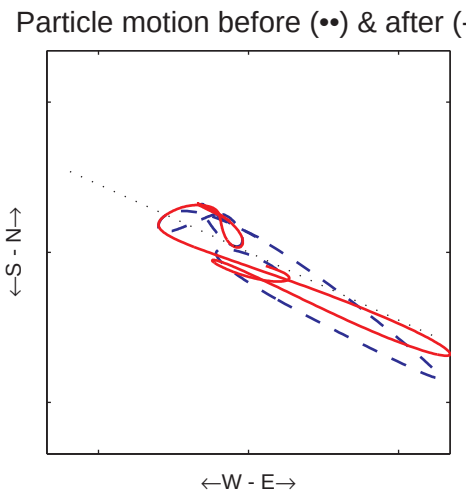


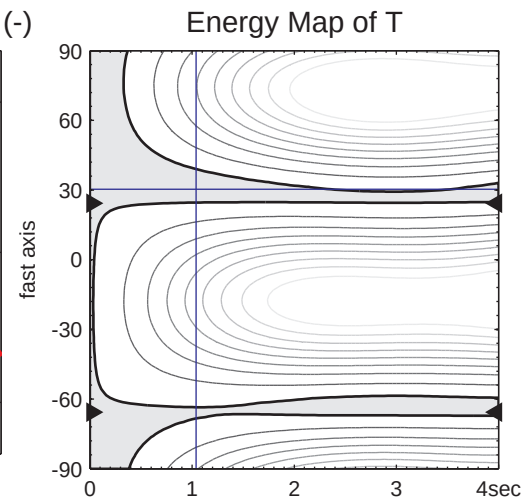


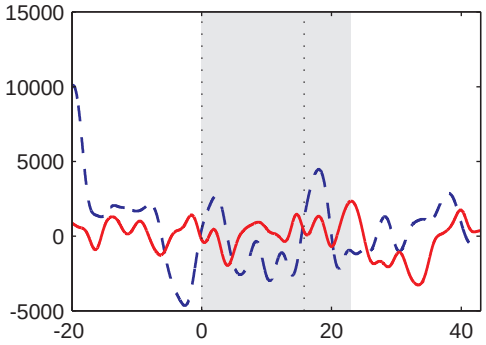








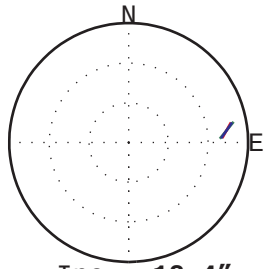




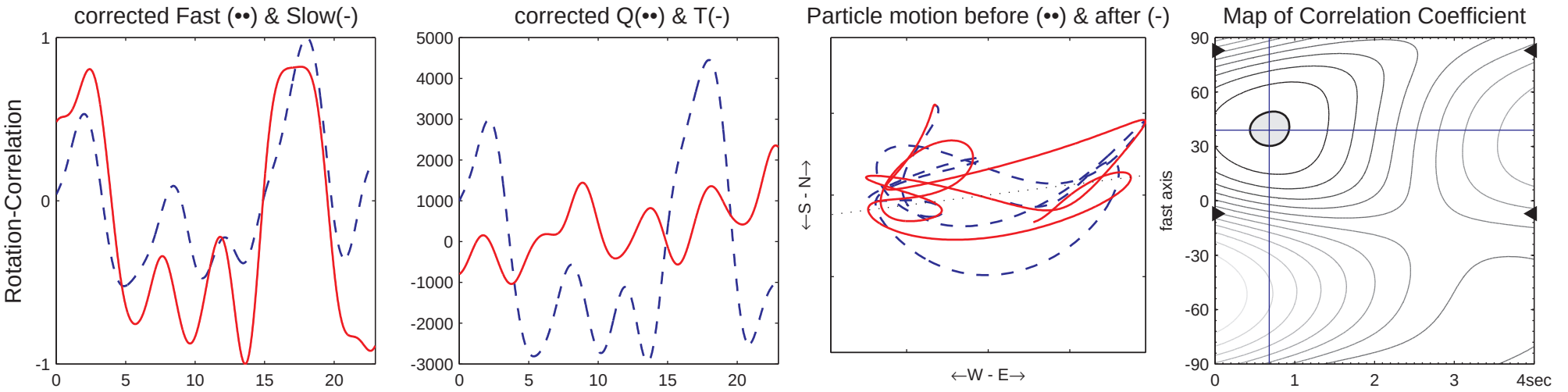
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **KONT** Backazimuth: **82.9”** Distance: **102.50”**
init.Pol.: **262.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.9**

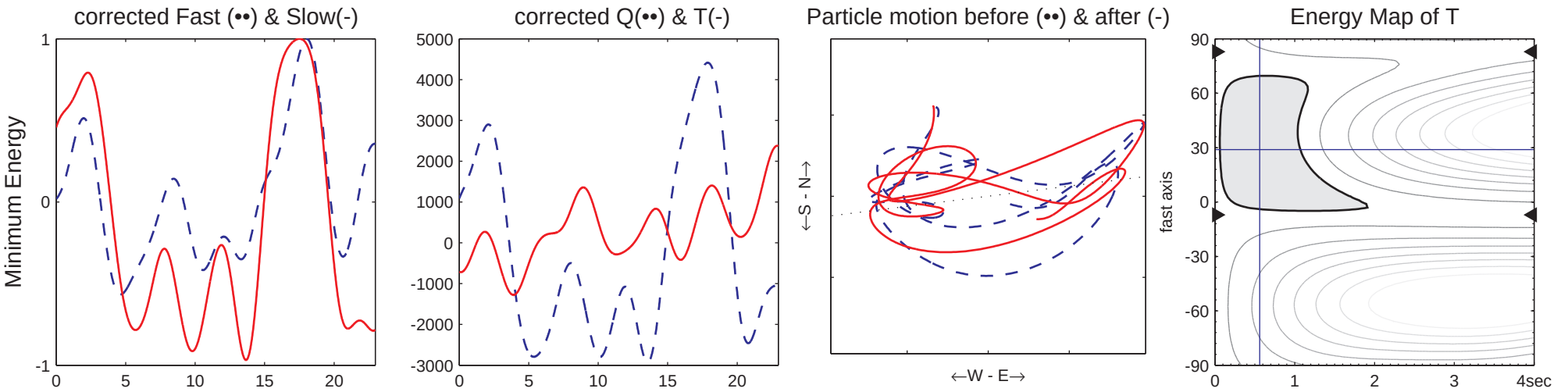
Rotation Correlation:	31<	39° <	49	0.4<0.7s<0.9
Minimum Energy:	-5<	29° <	70	0.1<0.6s<1.9
Eigenvalue:	-5<	35° <	84	0.2<0.6s<2.1

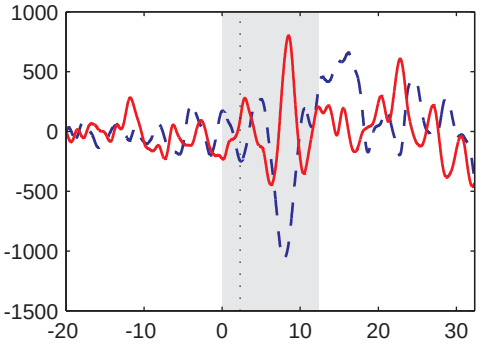
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.4”**



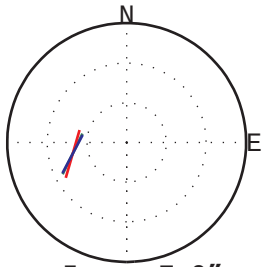


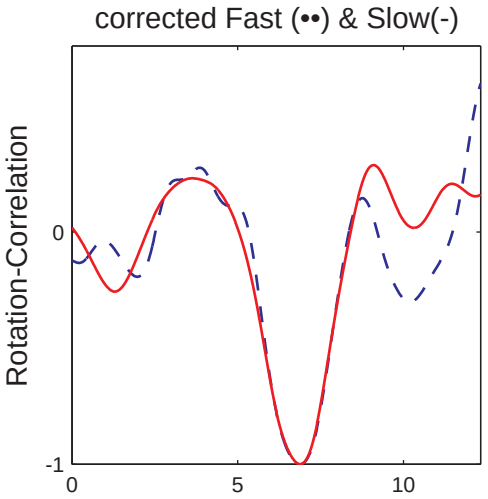


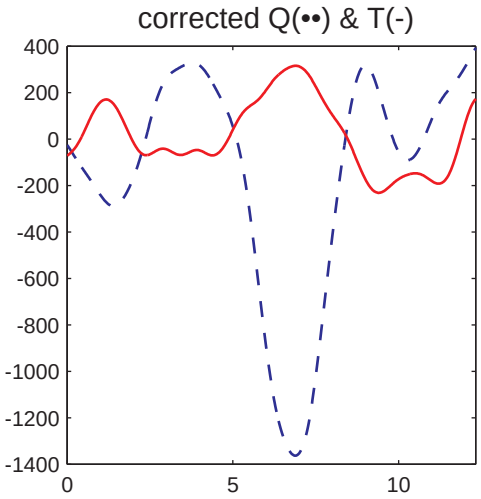
Event: **12-Jul-2010 (193) 00:11 -22.15N -68.22E 115km Mw=6.3**
Station: **KONT** Backazimuth: **258.0”** Distance: **111.46”**
init.Pol.: **94.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

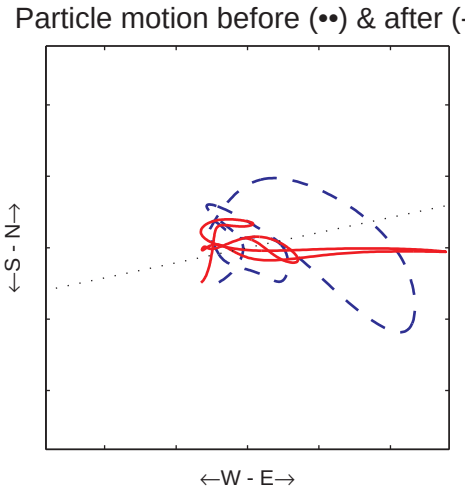
Rotation Correlation:	19<	26° <	40	1.0<1.4s<1.7
Minimum Energy:	11<	16° <	25	1.2<1.6s<1.9
Eigenvalue:	19<	28° <	39	1.0<1.4s<1.7

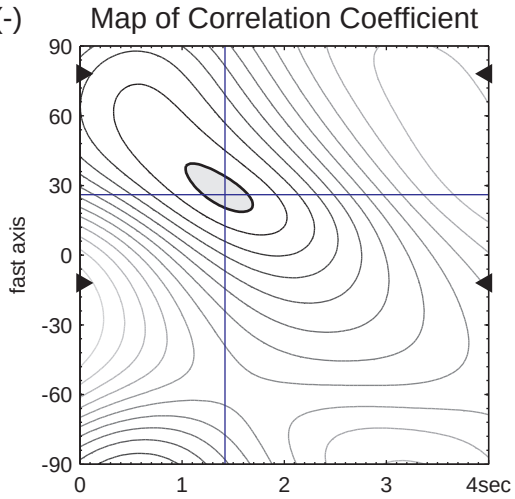
Quality: **fair** IsNull: **No** Phase: **SKS**

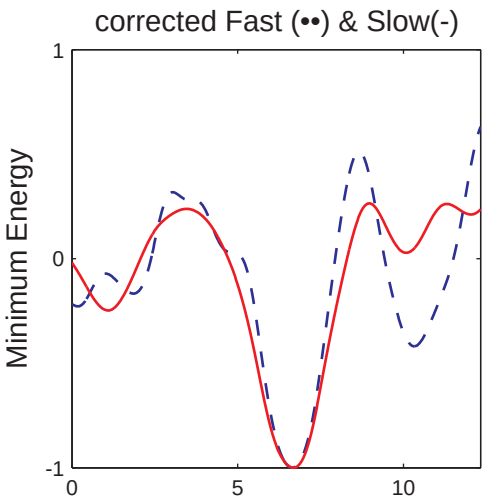


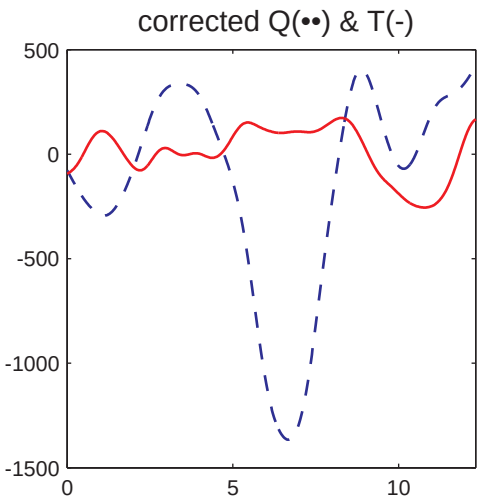


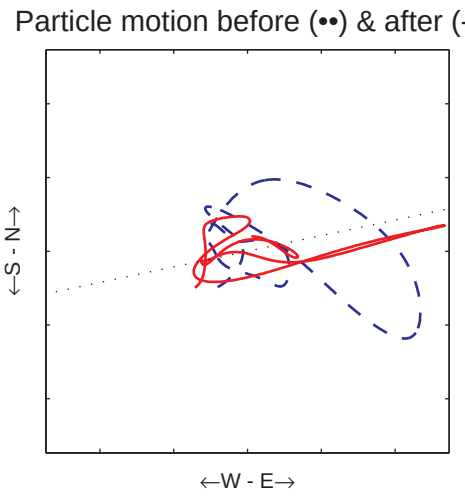


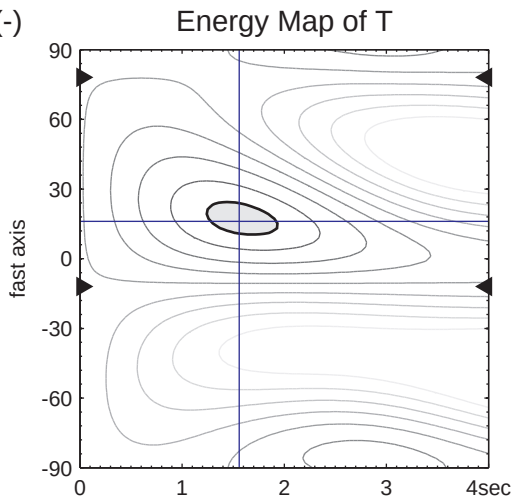


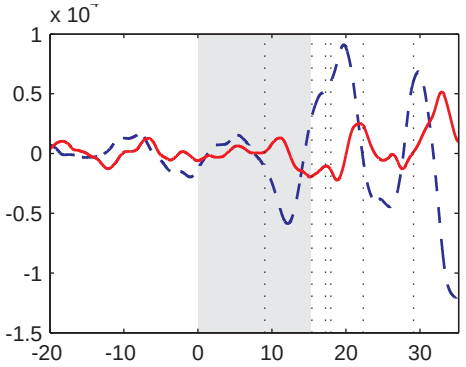








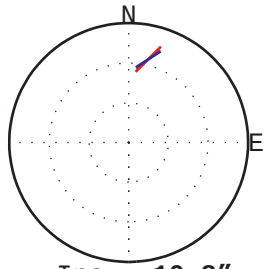




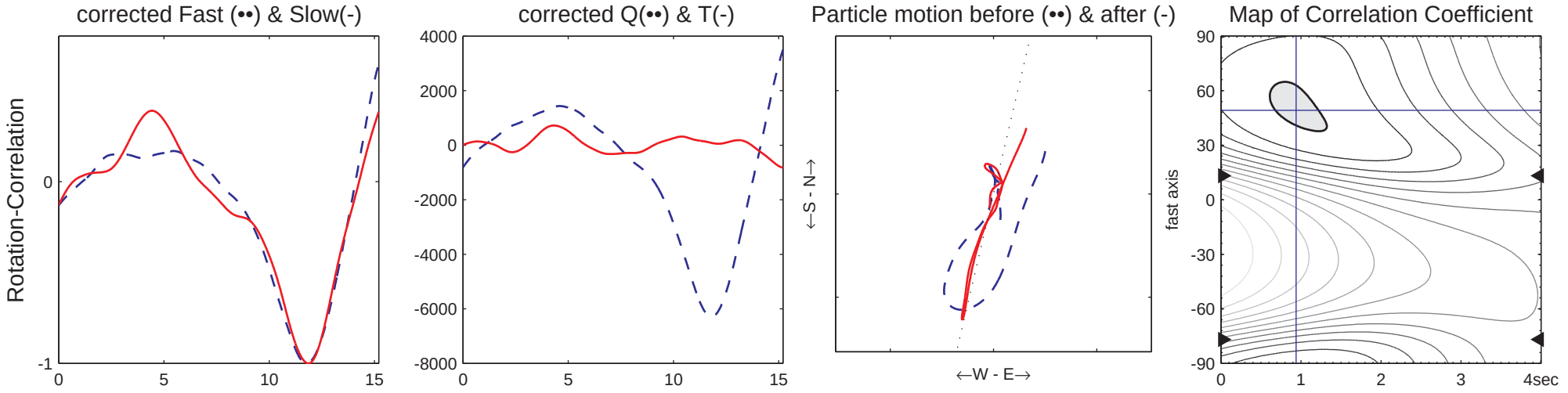
Event: **18-Jul-2010 (199) 05:56 52.88N -169.85E 14km Mw=6.7**
Station: **KONT** Backazimuth: **13.2”** Distance: **87.15”**
init.Pol.: **195.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.4**

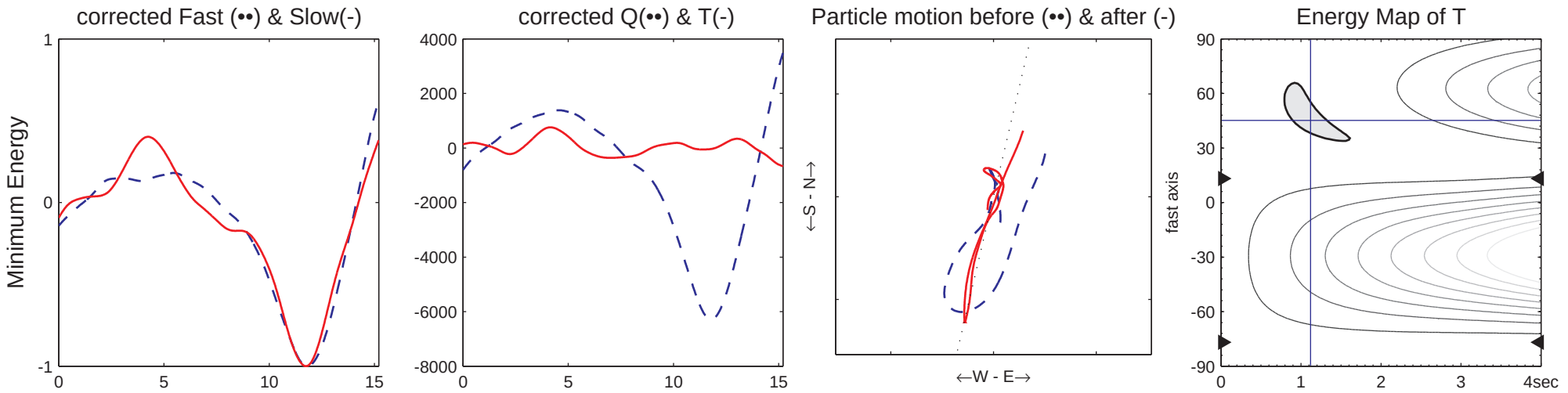
Rotation Correlation:	38<	49° <	65	0.6<0.9s<1.3
Minimum Energy:	33<	45° <	66	0.8<1.1s<1.6
Eigenvalue:	33<	57° <	84	0.7<0.9s<1.6

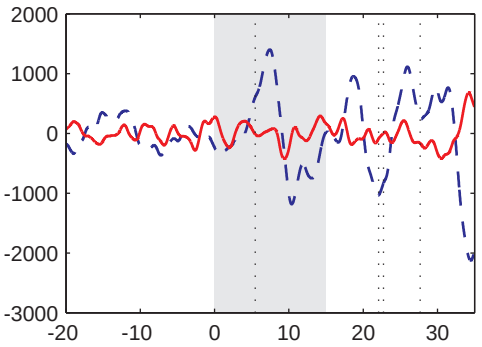
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



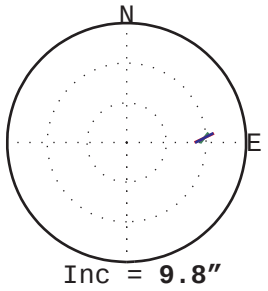


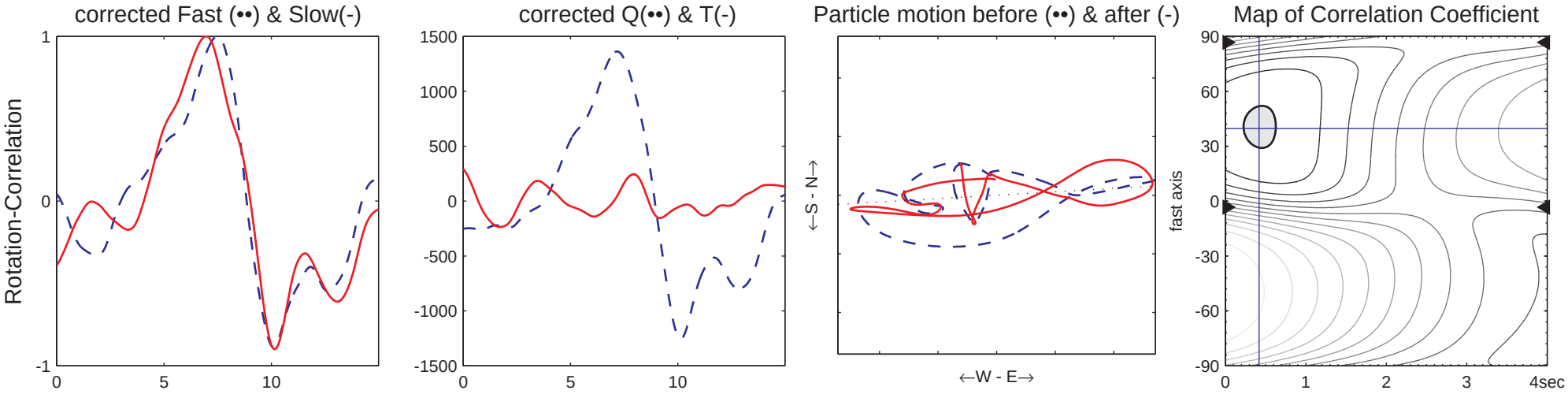


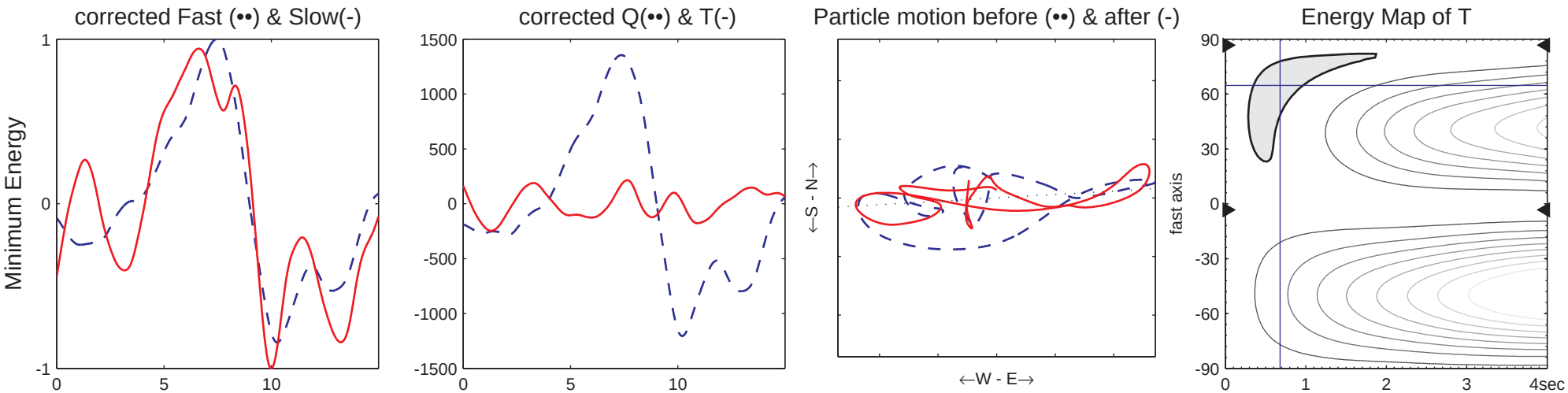
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **KONT** Backazimuth: **86.7”** Distance: **92.27”**
init.Pol.: **265.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.6**

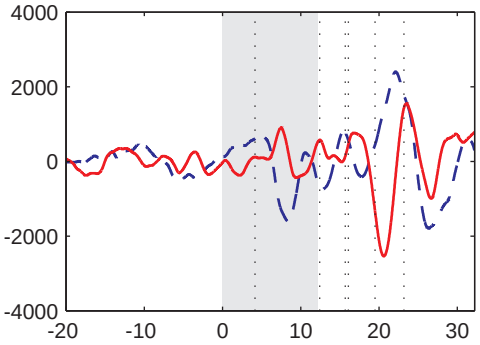
Rotation Correlation:	29<	40° <	52	0.2<0.4s<0.6
Minimum Energy:	23<	65° <	82	0.3<0.7s<1.9
Eigenvalue:	13<	63° <	-90	0.3<0.6s<4.0

Quality: **fair** IsNull: **No** Phase: **SKS**





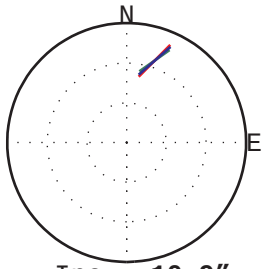




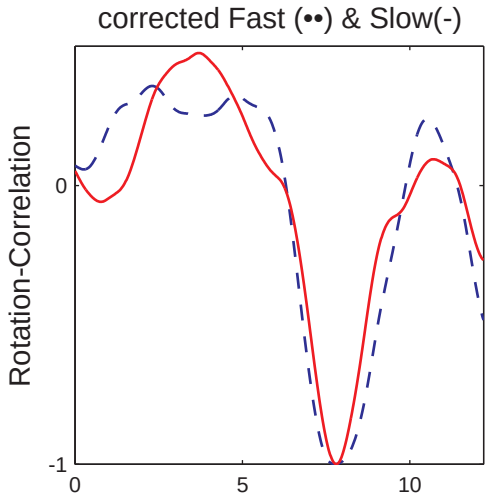
Event: **04-Aug-2010 (216) 12:58 51.42N -178.65E 27km Mw=6.4**
Station: **KONT** Backazimuth: **18.8”** Distance: **86.60”**
init.Pol.: **203.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.3**

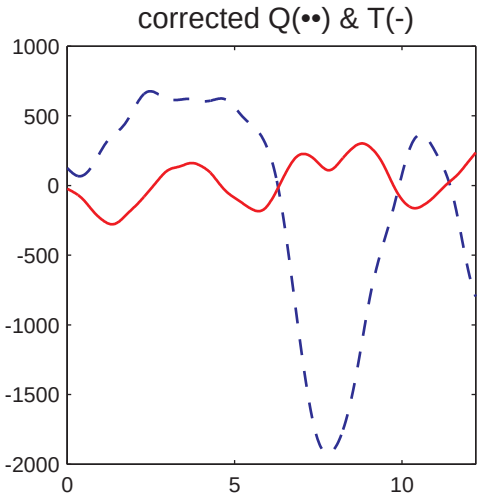
Rotation Correlation:	47<	55° <	69	0.9<1.2s<1.4
Minimum Energy:	39<	45° <	52	1.2<1.4s<1.6
Eigenvalue:	41<	49° <	60	1.0<1.3s<1.6

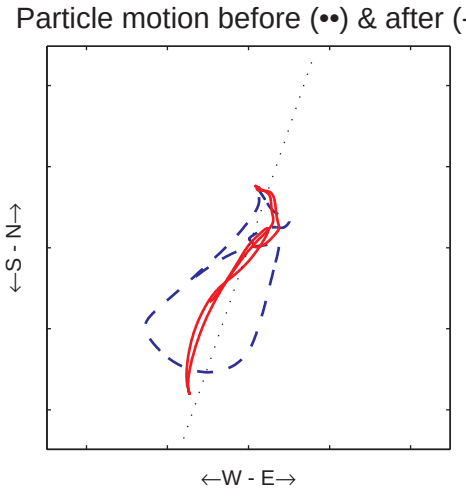
Quality: **fair** IsNull: **No** Phase: **SKS**

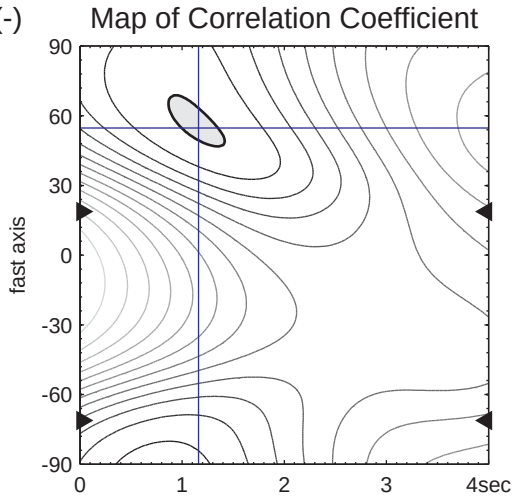


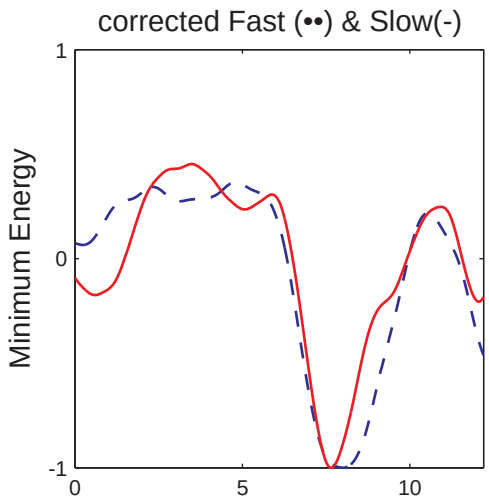
Inc = **10.9”**

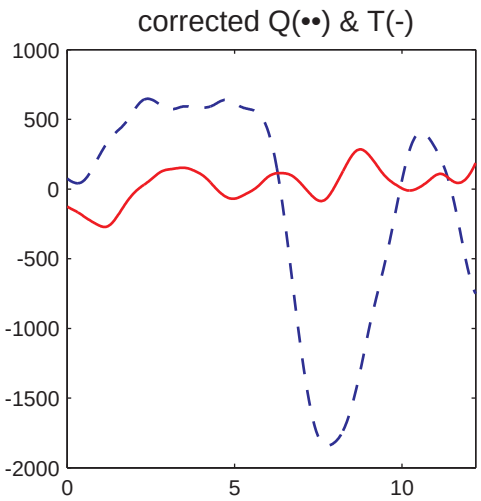


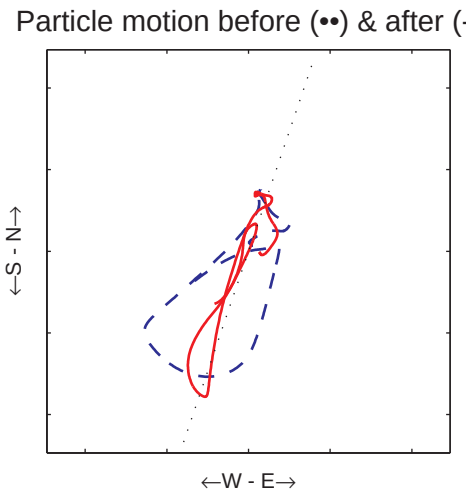


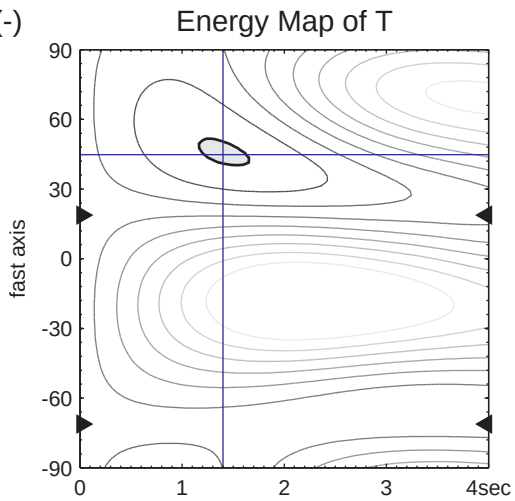


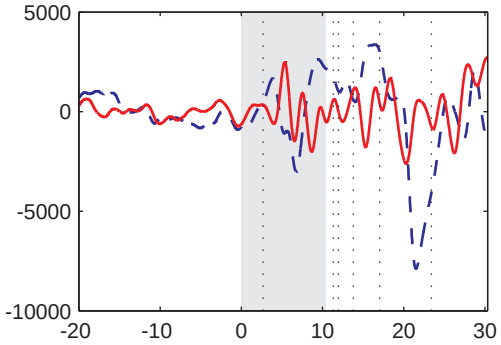








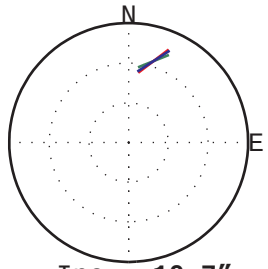




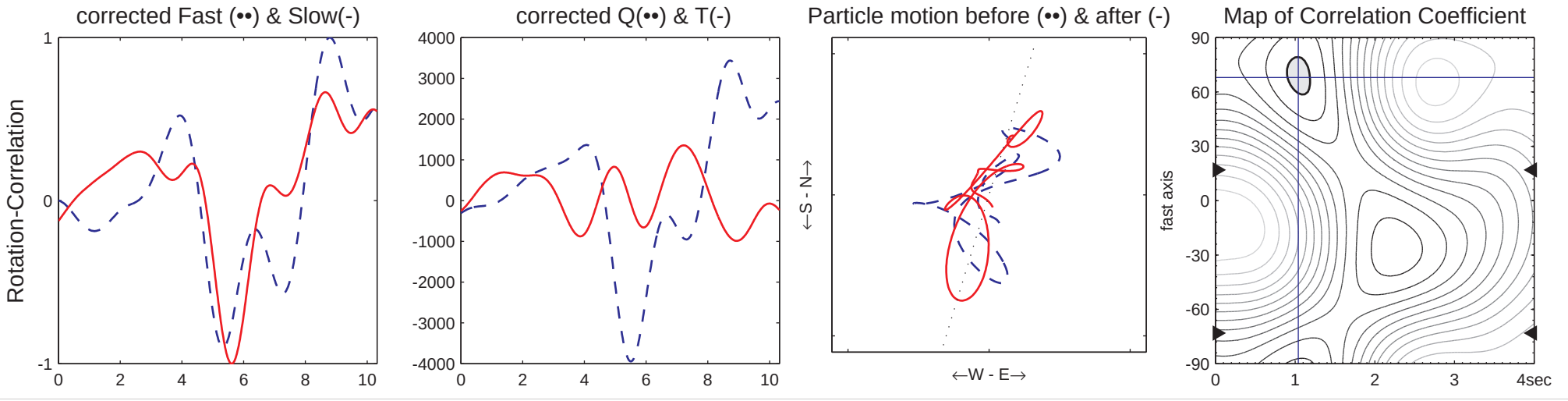
Event: **08-Oct-2010 (281) 03:26 51.37N -175.36E 19km Mw=6.4**
Station: **KONT** Backazimuth: **16.9”** Distance: **87.44”**
init.Pol.: **201.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

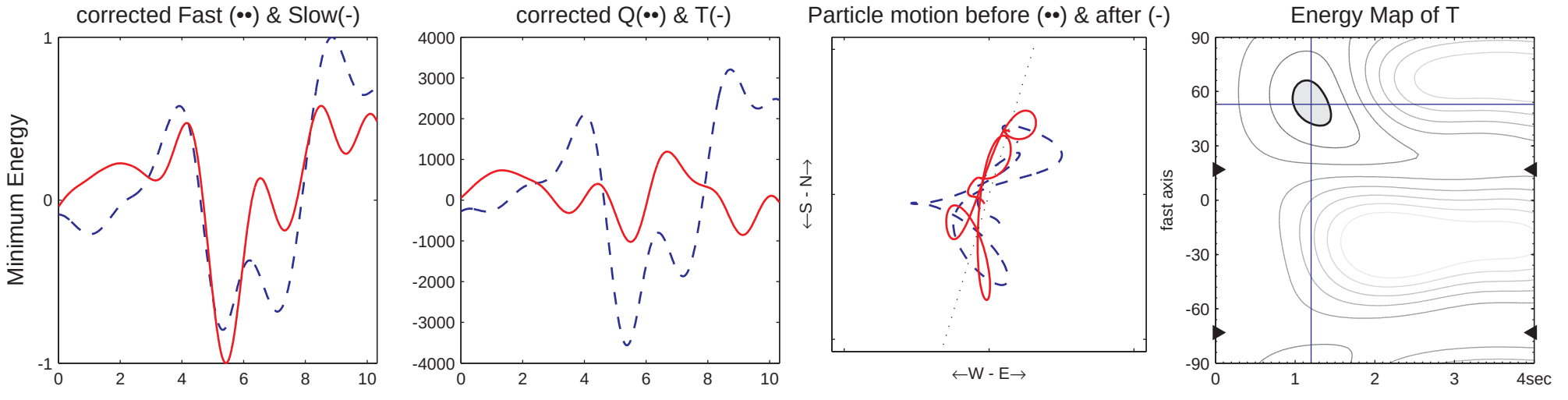
Rotation Correlation:	59<	68° <	79	0.9<1.0s<1.2
Minimum Energy:	41<	53° <	66	1.0<1.2s<1.4
Eigenvalue:	43<	57° <	74	1.0<1.2s<1.4

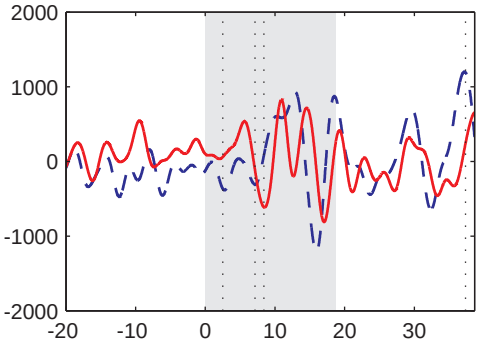
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



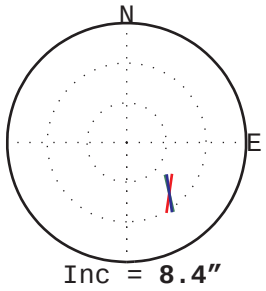


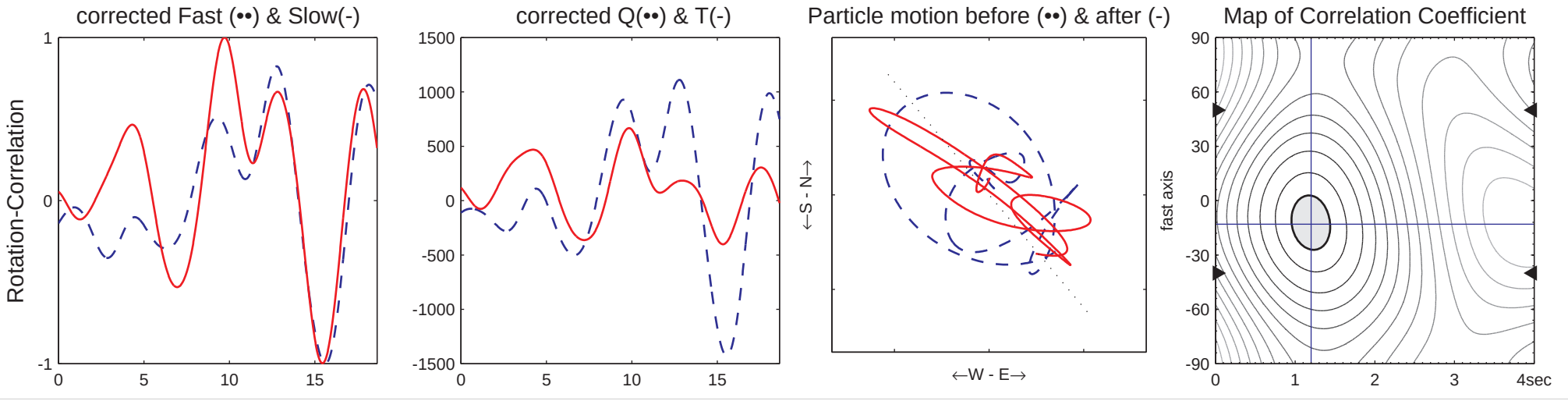


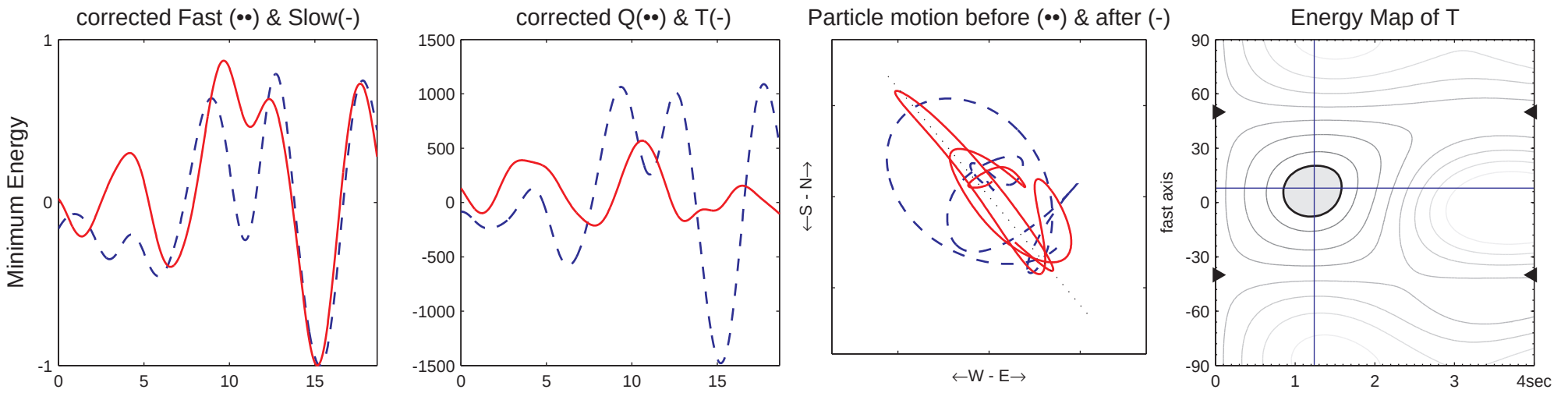
Event: **10-Nov-2010 (314) 04:05 -45.46N 96.39E 10km Mw=6.5**
Station: **KONT** Backazimuth: **140.0”** Distance: **101.31”**
init.Pol.: **305.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.5**

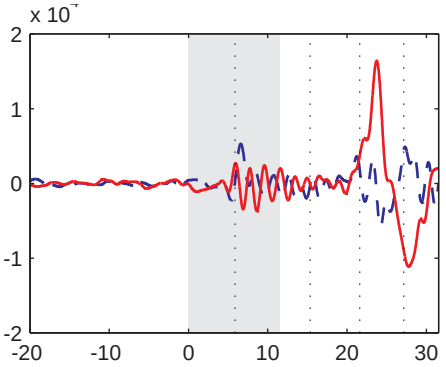
Rotation Correlation:	-29<	-13° < 2	1.0<1.2s<1.4
Minimum Energy:	-7<	8° < 21	0.8<1.2s<1.6
Eigenvalue:	-31<	-8° < 11	0.9<1.2s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





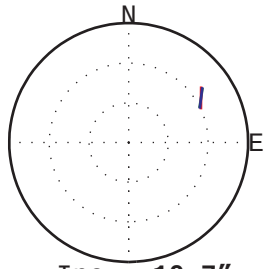


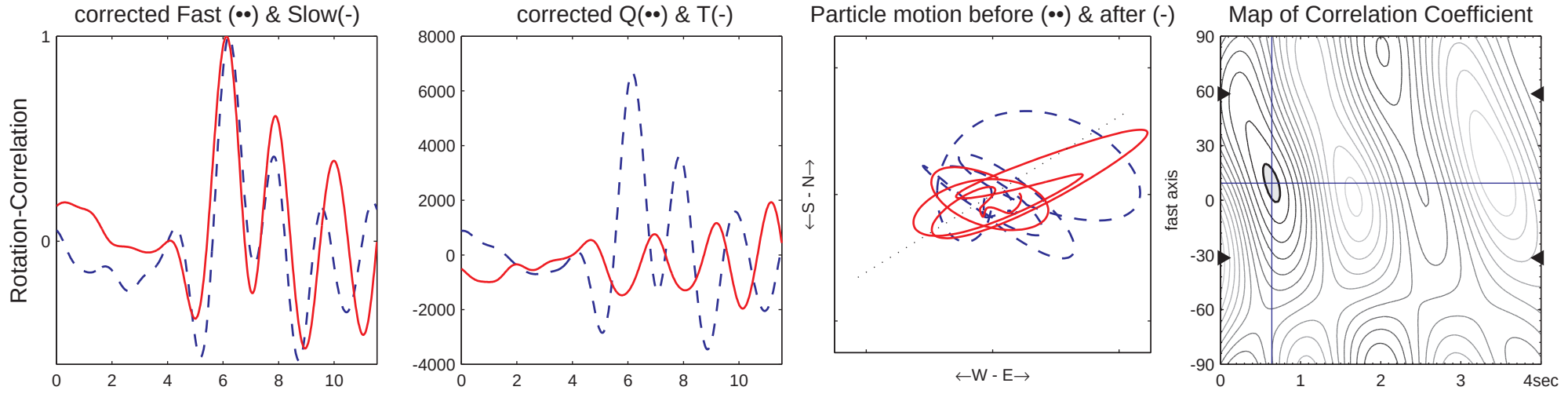


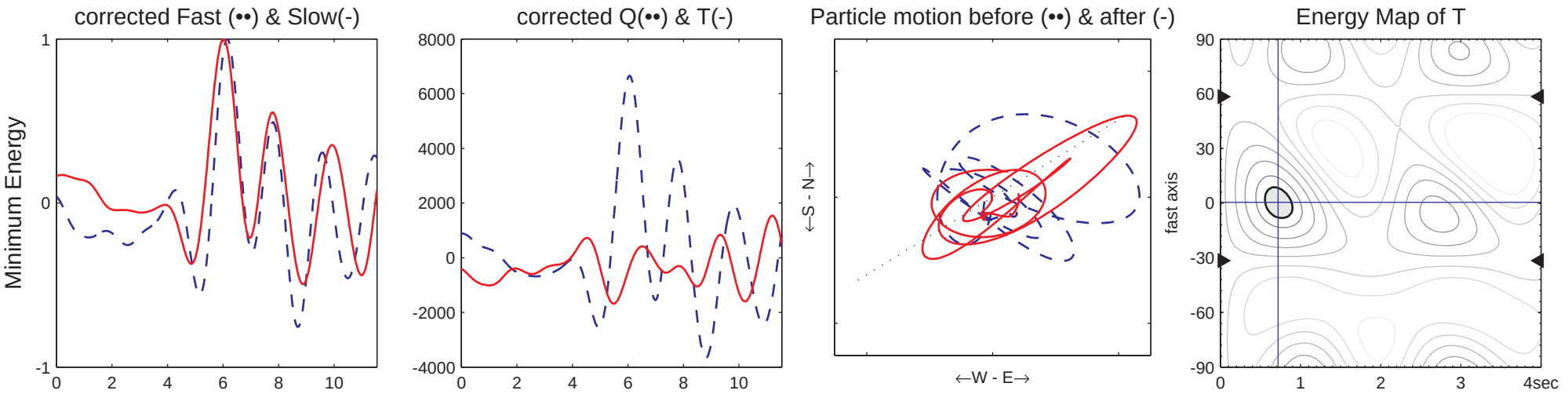
Event: **12-Jan-2011 (012) 21:32 26.97N 139.88E 512km Mw=6.4**
Station: **KONT** Backazimuth: **58.4”** Distance: **86.14”**
init.Pol.: **248.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.8**

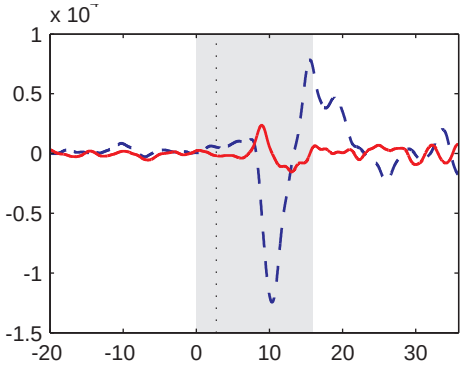
Rotation Correlation:	-1<	9° <	20	0.5<0.6s<0.8
Minimum Energy:	-9<	0° <	9	0.6<0.7s<0.9
Eigenvalue:	-9<	6° <	23	0.5<0.7s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





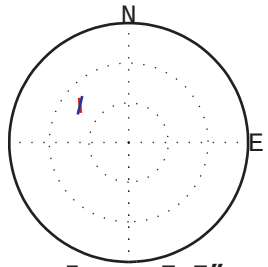


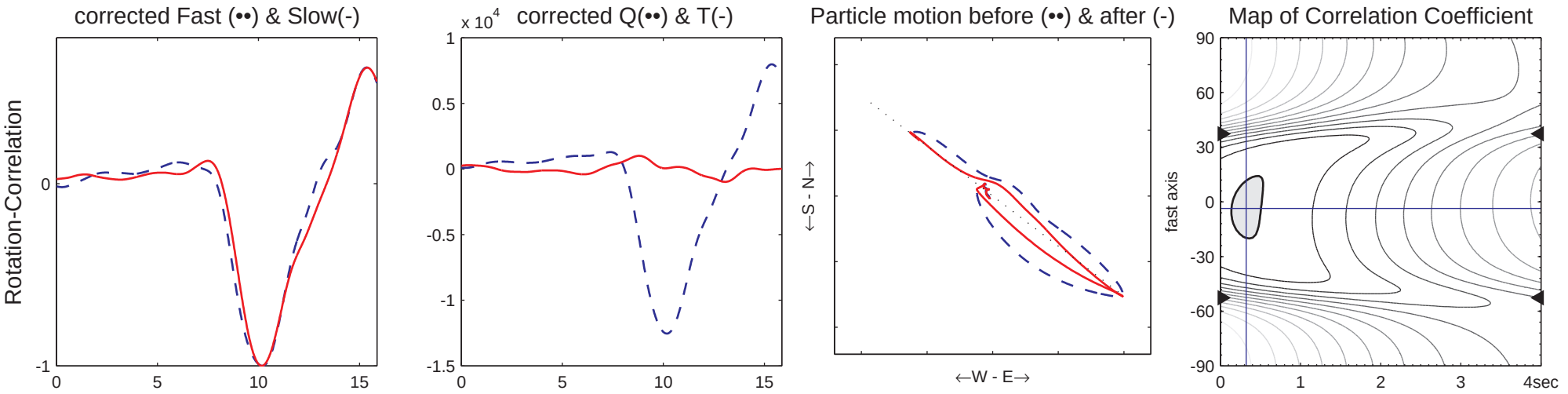


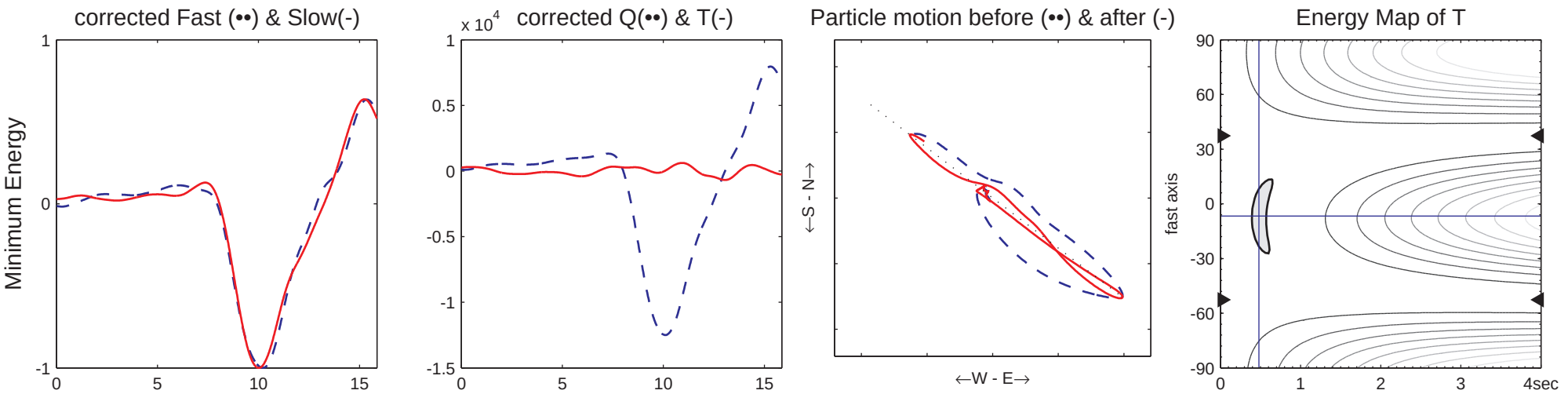
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **KONT** Backazimuth: **307.3”** Distance: **105.56”**
init.Pol.: **129.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**20.9**

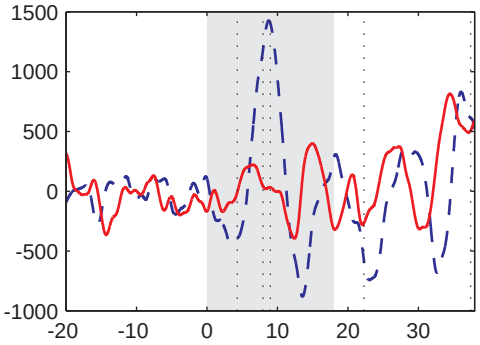
Rotation Correlation:	-22<	-4° <	14	0.1<0.3s<0.5
Minimum Energy:	-29<	-7° <	11	0.4<0.5s<0.6
Eigenvalue:	-21<	13° <	29	0.4<0.6s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





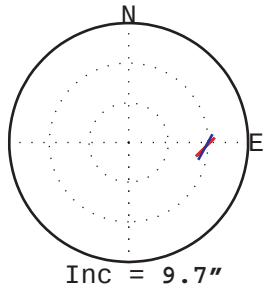


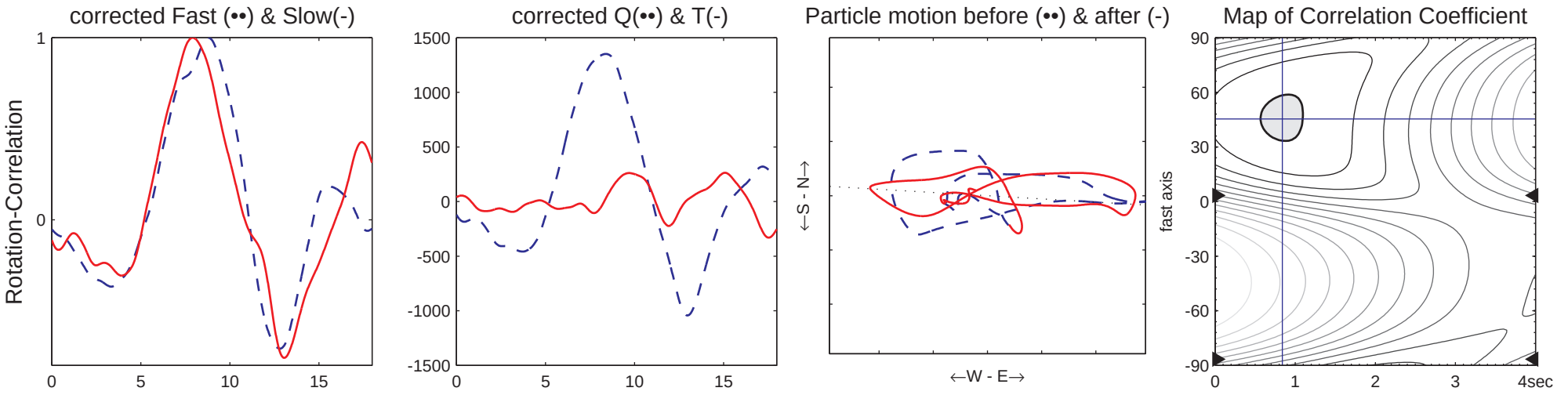


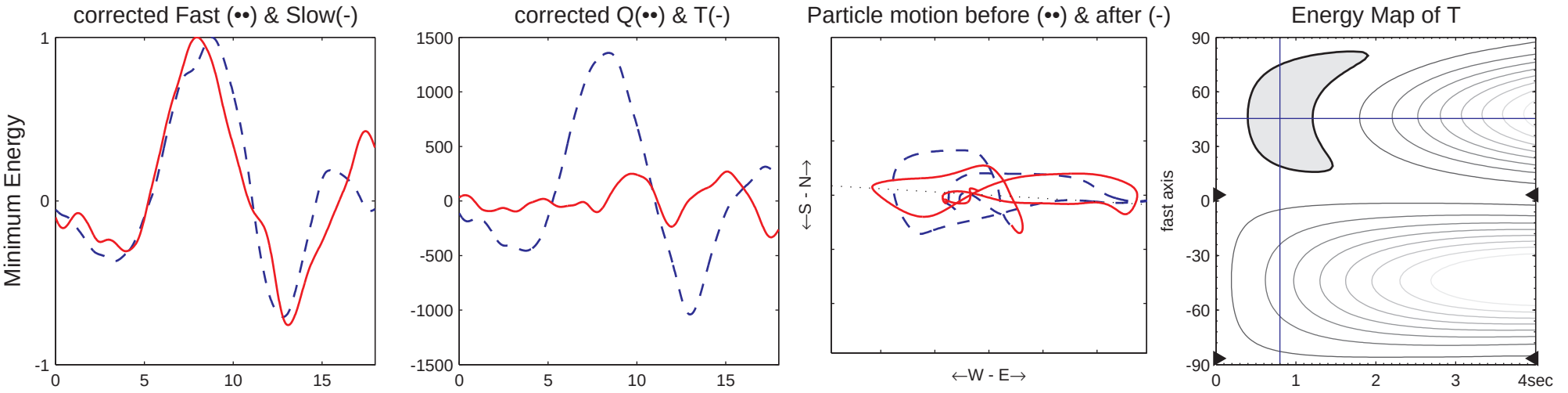
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **KONT** Backazimuth: **93.4”** Distance: **93.14”**
init.Pol.: **269.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.8**

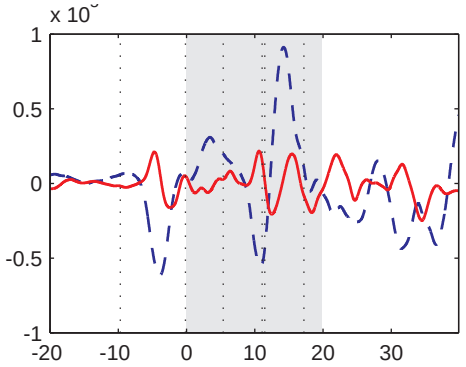
Rotation Correlation:	34<	45° <	59	0.6<0.8s<1.1
Minimum Energy:	15<	45° <	82	0.4<0.8s<1.9
Eigenvalue:	5<	29° <	-92	0.4<0.9s<2.3

Quality: **fair** IsNull: **No** Phase: **SKS**





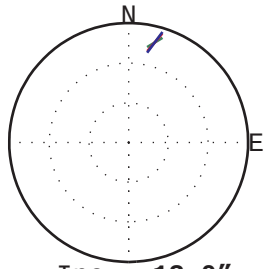




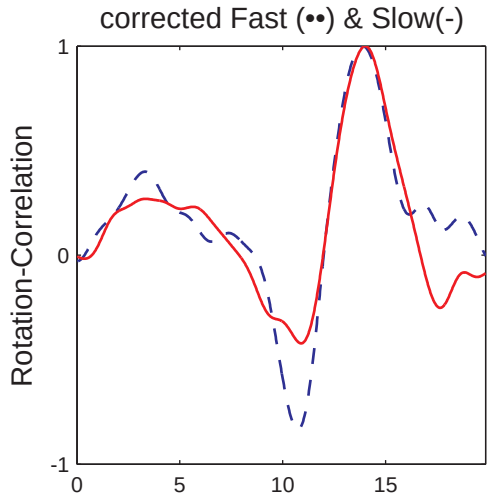
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **KONT** Backazimuth: **14.6”** Distance: **87.56”**
init.Pol.: **192.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.2**

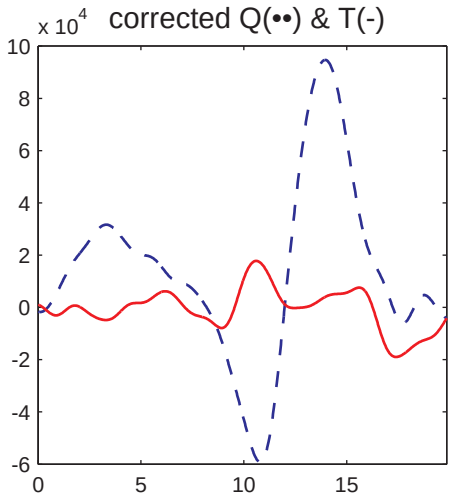
Rotation Correlation:	47<	59° <	74	0.3<0.6s<0.8
Minimum Energy:	23<	41° <	86	0.3<0.7s<1.5
Eigenvalue:	19<	37° <	88	0.3<0.8s<1.6

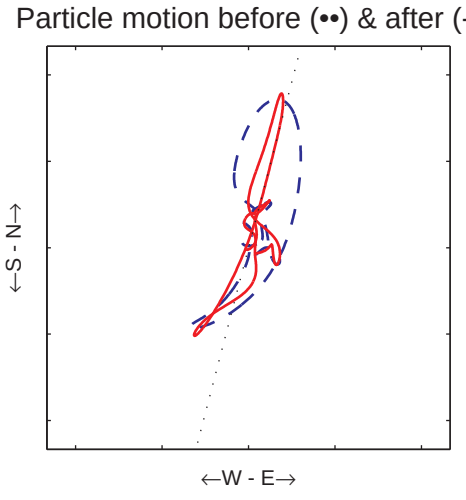
Quality: **fair** IsNull: **No** Phase: **SKKS**

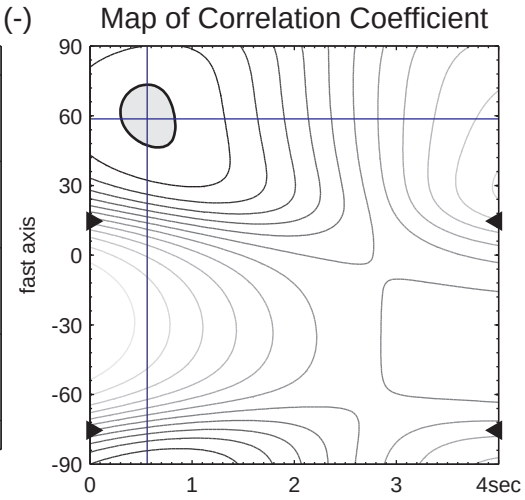


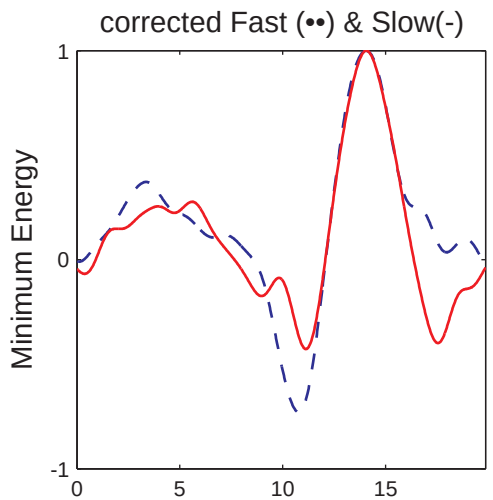
Inc = **13.0”**

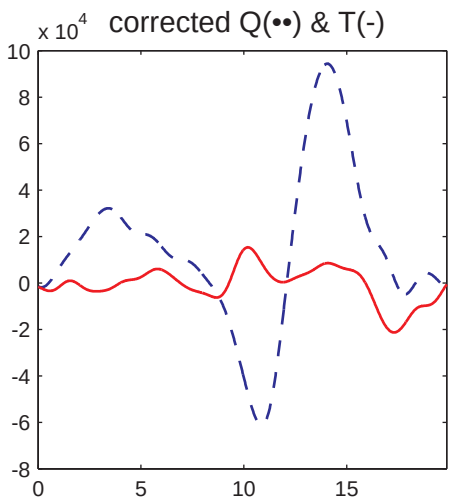


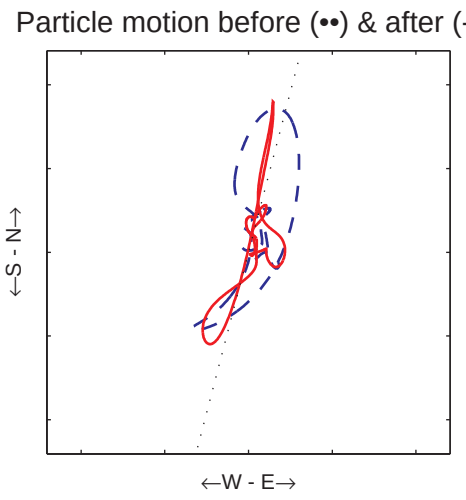


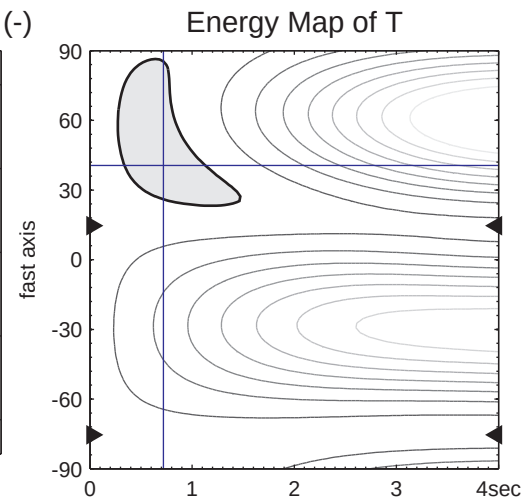


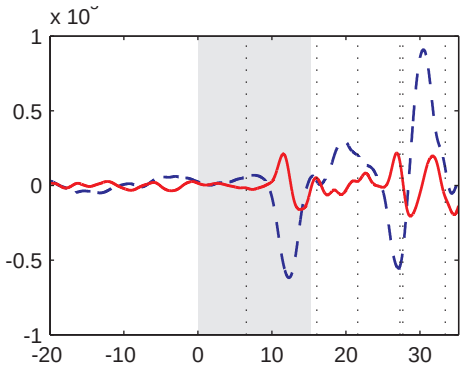








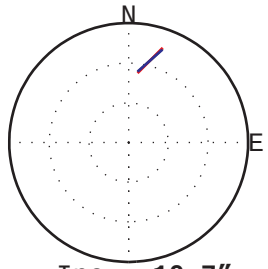




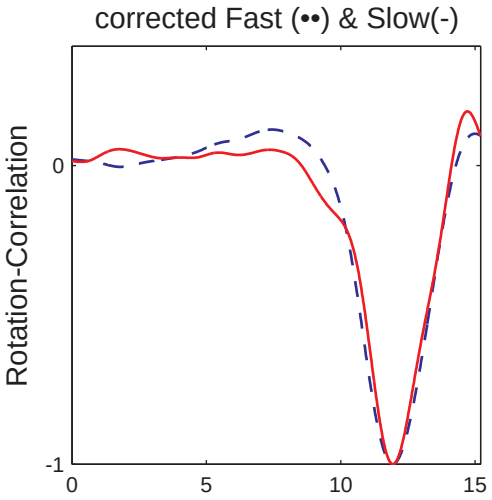
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **KONT** Backazimuth: **14.6”** Distance: **87.56”**
init.Pol.: **197.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**18.6**

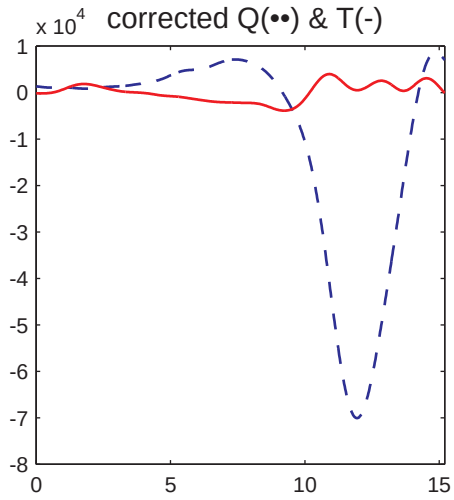
Rotation Correlation:	42<	47° <	58	0.9<1.1s<1.3
Minimum Energy:	39<	45° <	52	1.0<1.1s<1.3
Eigenvalue:	43<	49° <	58	0.9<1.0s<1.2

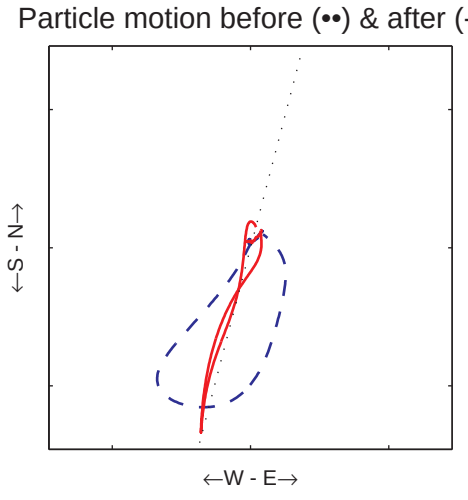
Quality: **good** IsNull: **No** Phase: **SKS**

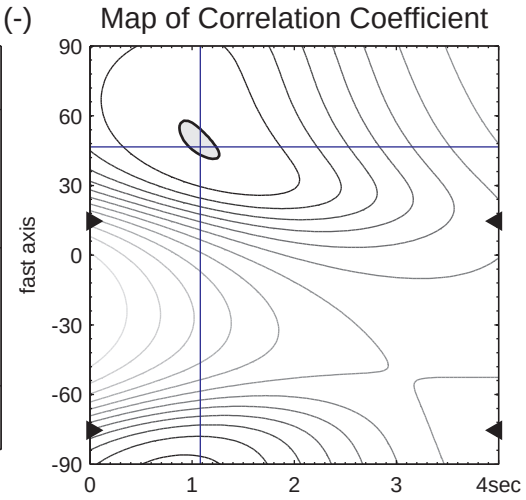


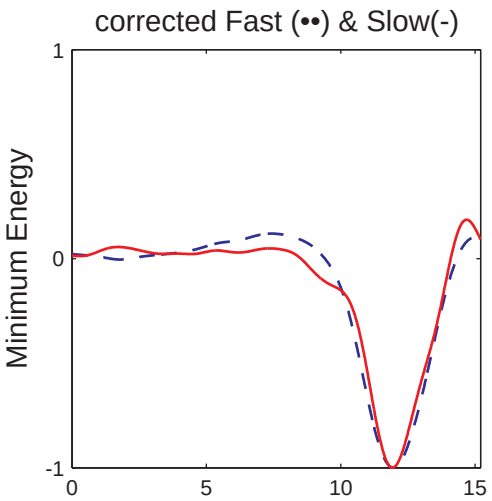
Inc = **10.7”**

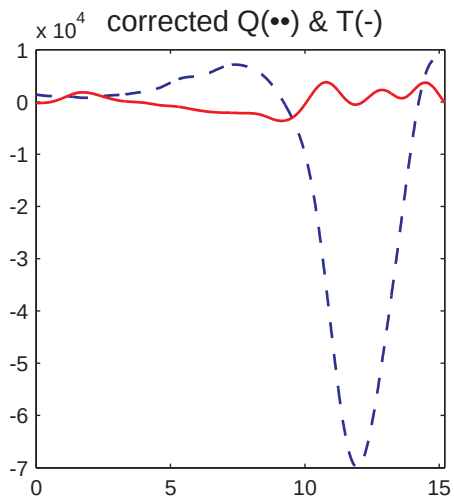


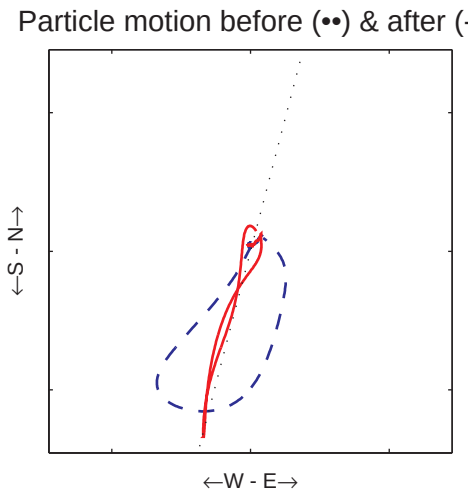


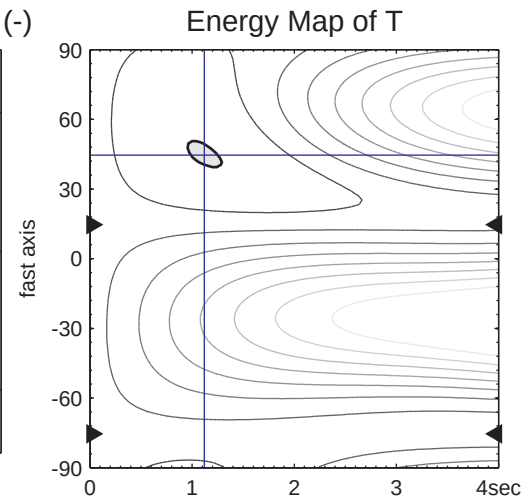


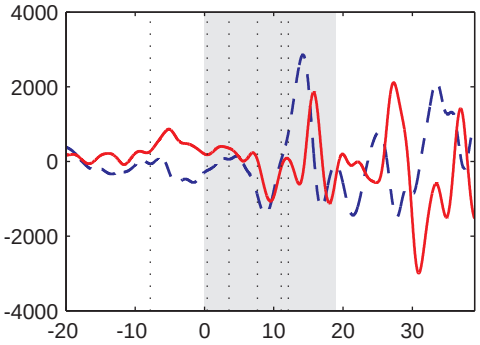








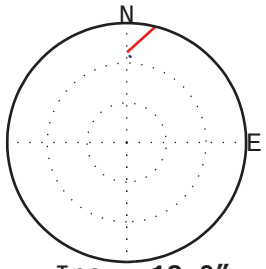




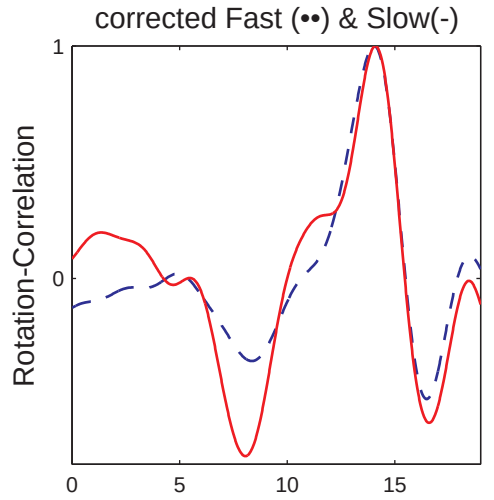
Event: **16-Jul-2011 (197) 19:59 54.79N -161.29E 36km Mw=6.1**
Station: **KONT** Backazimuth: **7.8”** Distance: **86.53”**
init.Pol.: **172.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.7**

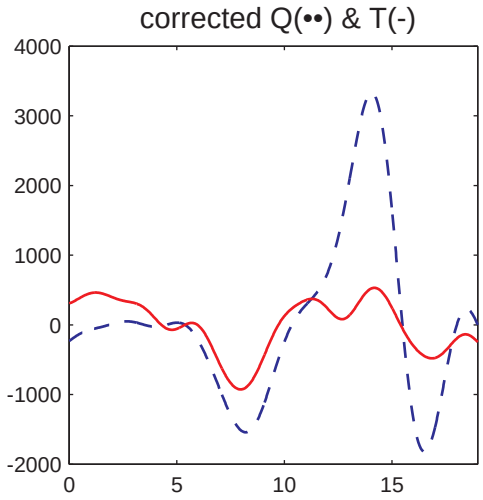
Rotation Correlation:	29<	35° <	44	1.1<1.2s<1.4
Minimum Energy:	37<	48° <	60	0.9<1.2s<1.4
Eigenvalue:	19<	32° <	43	1.0<1.2s<1.5

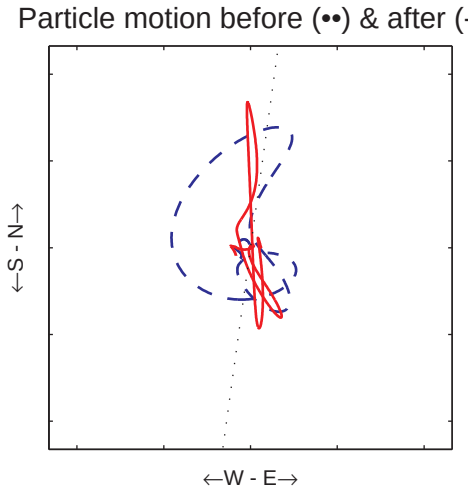
Quality: **fair** IsNull: **No** Phase: **SKKS**

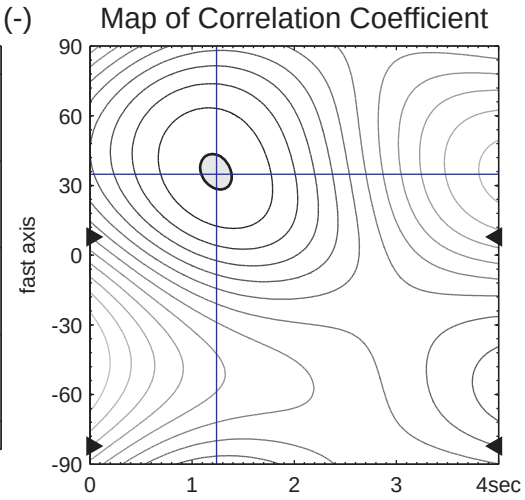


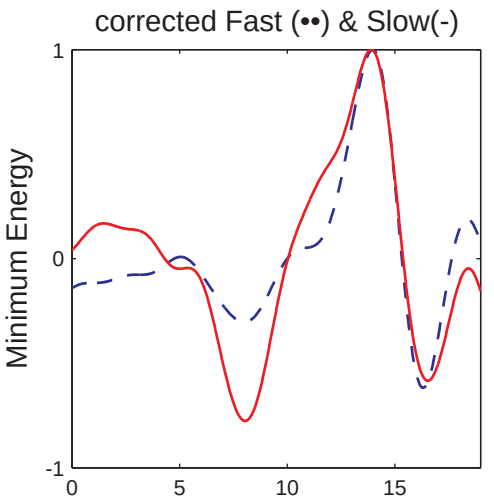
Inc = **13.0”**

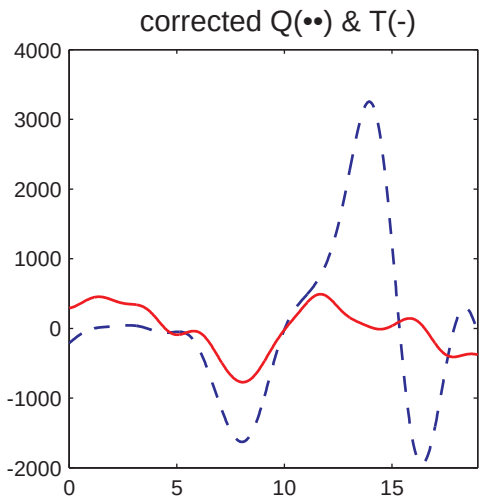


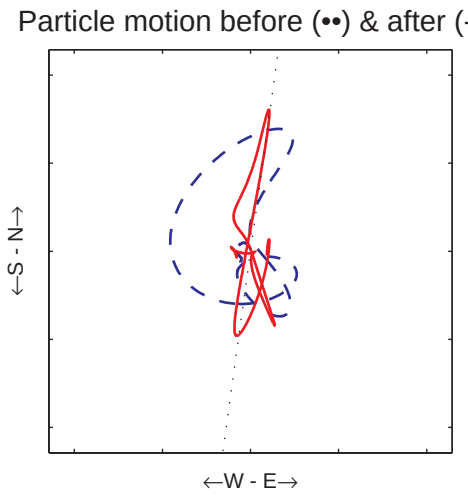


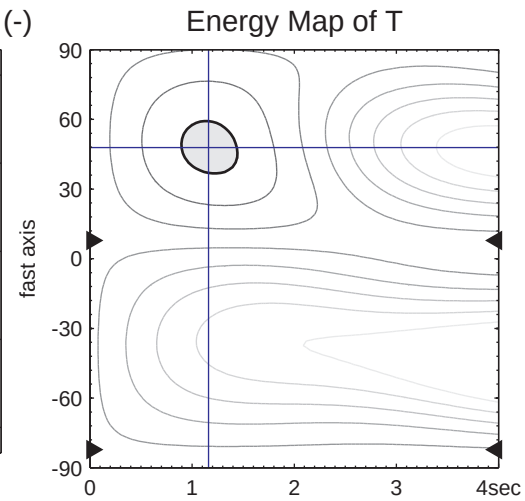


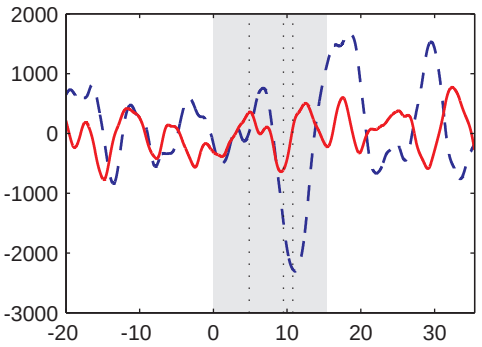








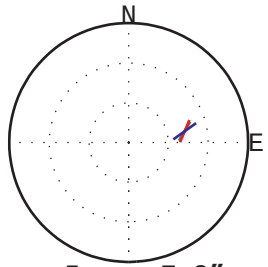


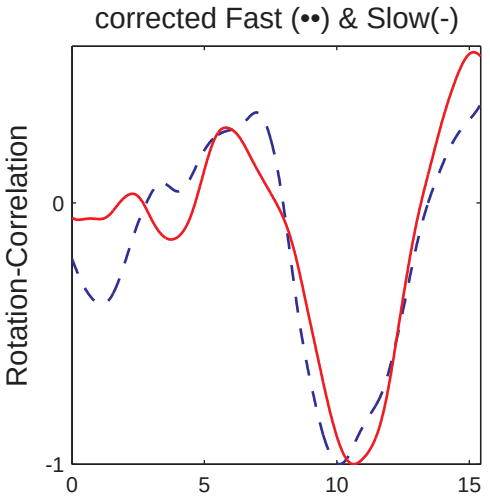


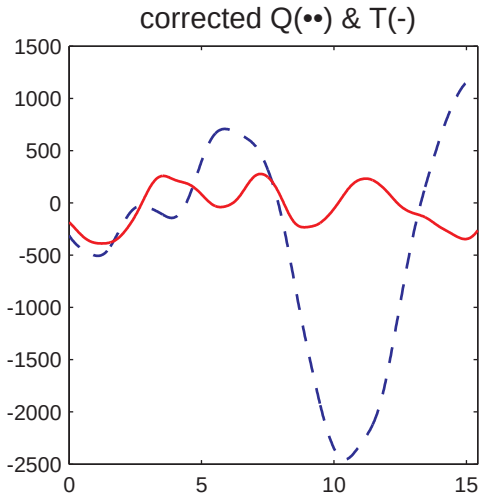
Event: **31-Jul-2011 (212) 23:38 -3.52N 144.83E 10km Mw=6.6**
Station: **KONT** Backazimuth: **78.6”** Distance: **109.79”**
init.Pol.: **263.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.0**

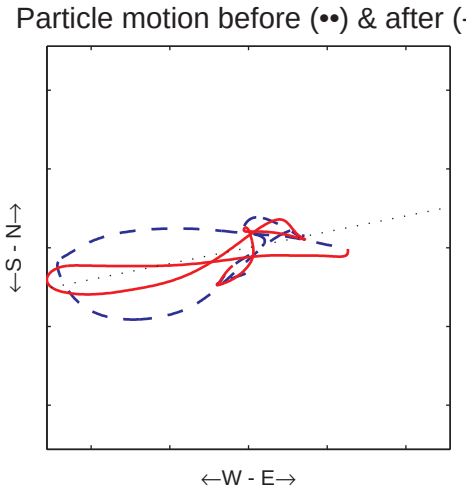
Rotation Correlation:	13<	31° <	52	0.3<0.7s<1.2
Minimum Energy:	-5<	23° <	74	0.3<0.8s<2.2
Eigenvalue:	-9<	55° <	78	0.3<0.9s<2.3

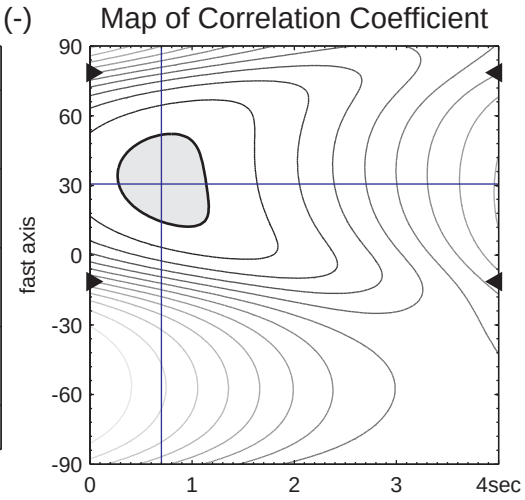
Quality: **fair** IsNull: **No** Phase: **SKS**

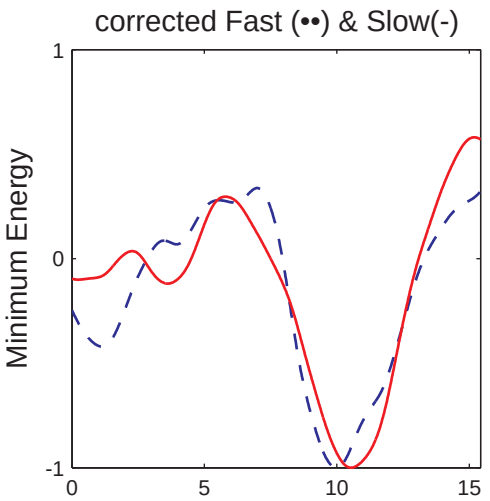


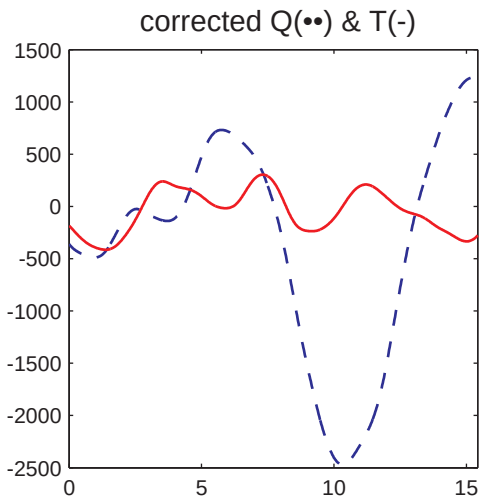


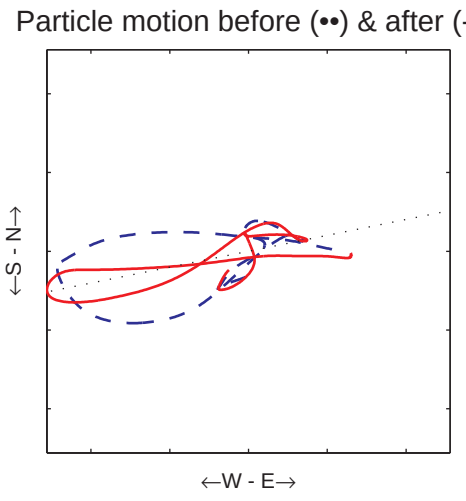


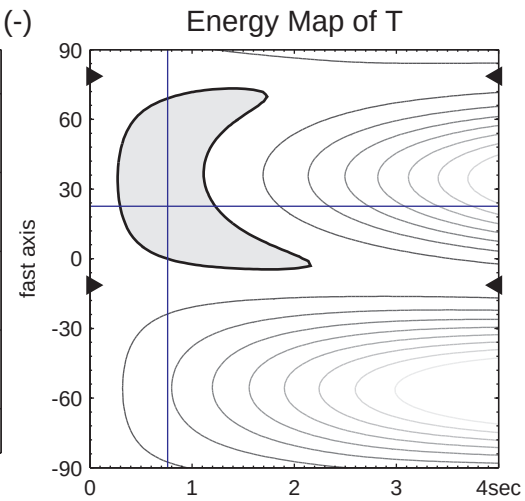


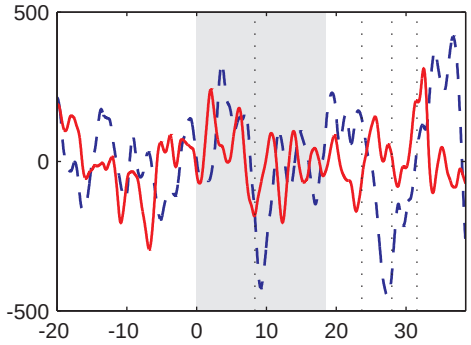








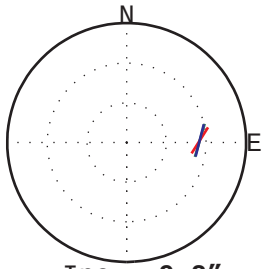


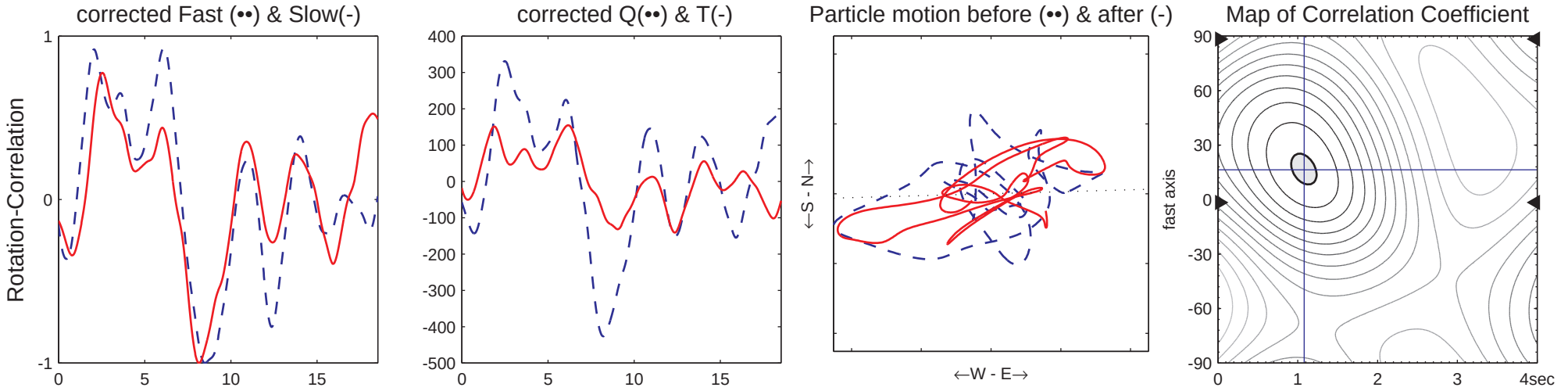


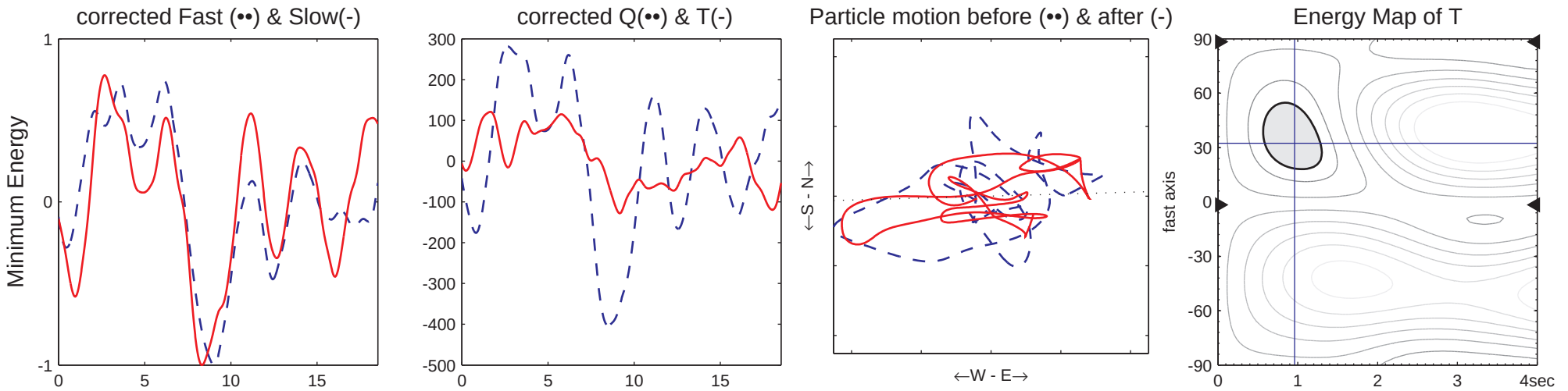
Event: **16-Aug-2011 (228) 11:03 -2.33N 128.00E 35km Mw=6.1**
Station: **KONT** Backazimuth: **88.4”** Distance: **95.88”**
init.Pol.: **250.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.0**

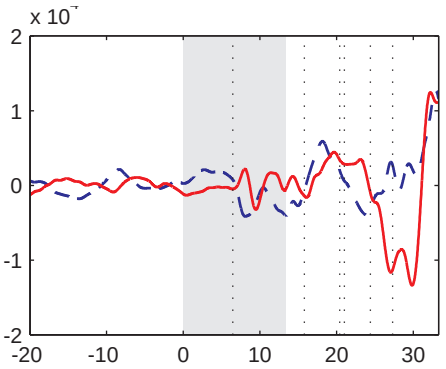
Rotation Correlation:	9<	16° <	26	0.9<1.1s<1.2
Minimum Energy:	17<	32° <	56	0.6<1.0s<1.3
Eigenvalue:	-1<	14° <	31	0.8<1.0s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





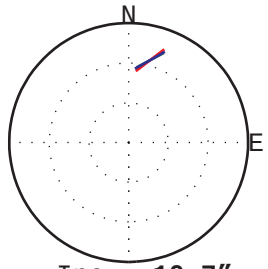




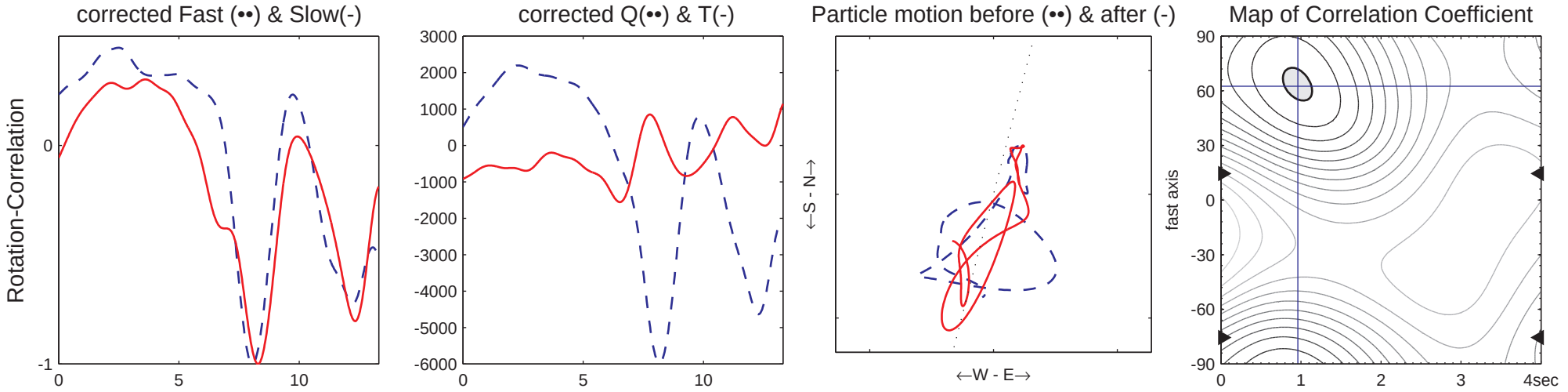
Event: **02-Sep-2011 (245) 10:55 52.17N -171.71E 32km Mw=6.9**
Station: **KONT** Backazimuth: **14.5”** Distance: **87.47”**
init.Pol.: **202.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.0**

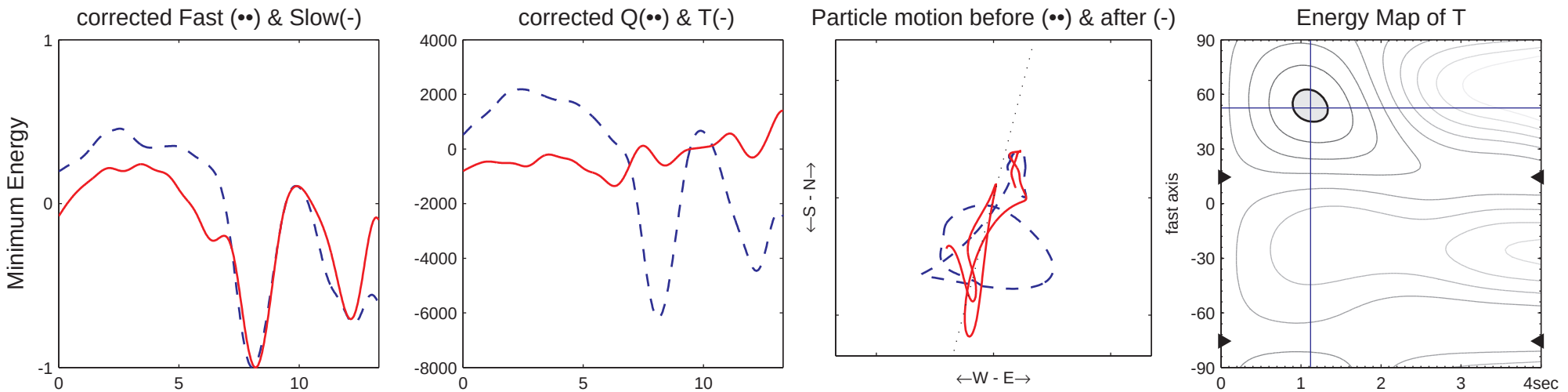
Rotation Correlation:	55<	62° <	73	0.8<1.0s<1.1
Minimum Energy:	46<	52° <	64	0.9<1.1s<1.3
Eigenvalue:	54<	60° <	70	0.9<1.1s<1.2

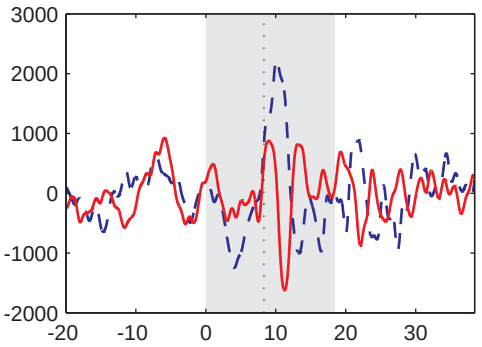
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



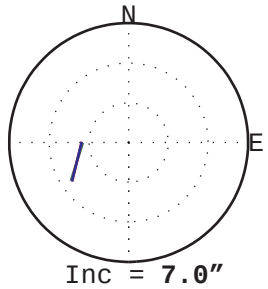


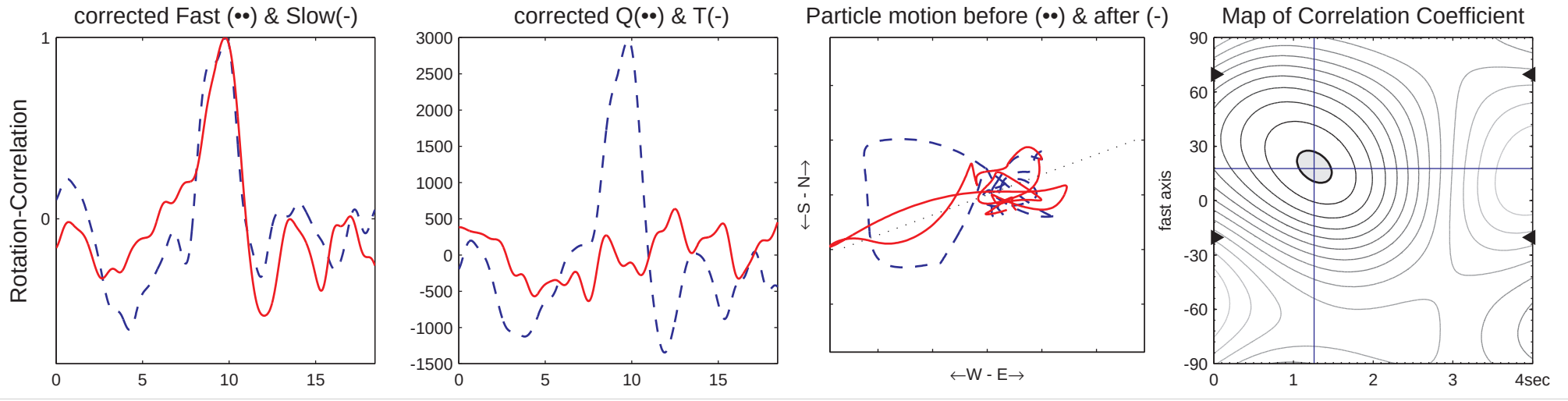


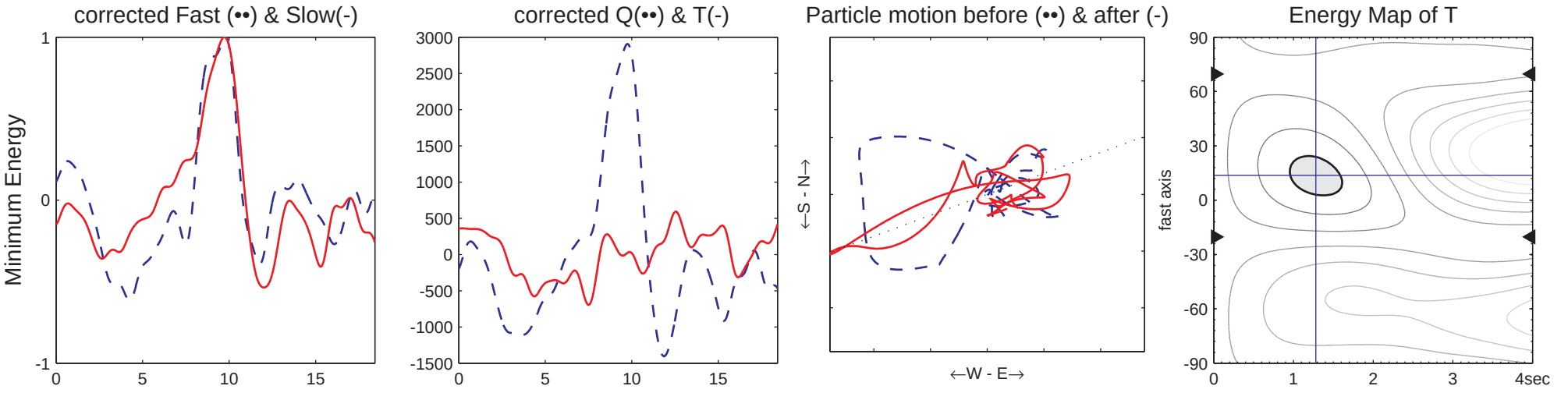
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km Mw=6.7**
Station: **KONT** Backazimuth: **249.7”** Distance: **110.95”**
init.Pol.: **69.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.7**

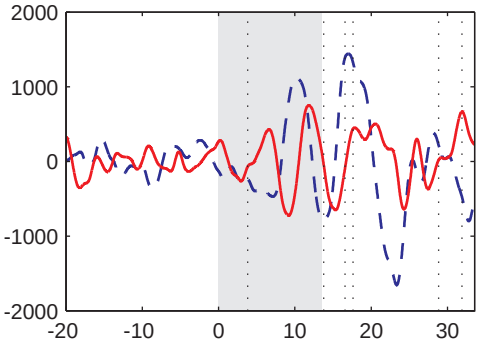
Rotation Correlation:	10<	18° <	28	1.0<1.3s<1.5
Minimum Energy:	3<	14° <	25	1.0<1.3s<1.6
Eigenvalue:	-1<	14° <	27	1.0<1.3s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





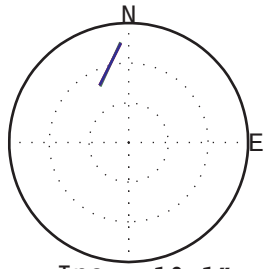




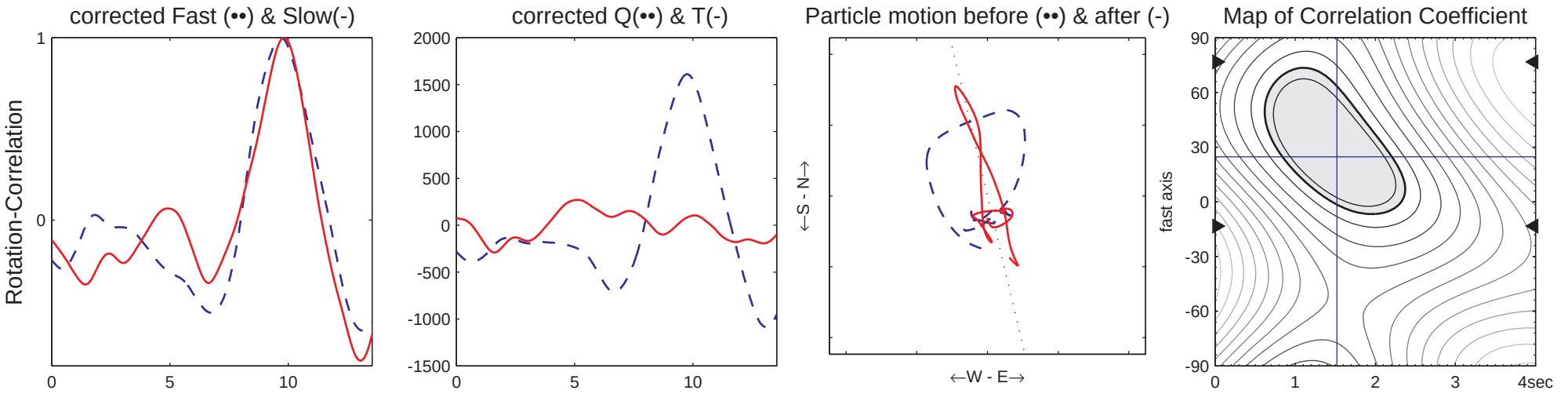
Event: **09-Sep-2011 (252) 19:41 49.53N -126.89E 22km Mw=6.4**
Station: **KONT** Backazimuth: **346.7”** Distance: **90.62”**
init.Pol.: **166.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.5**

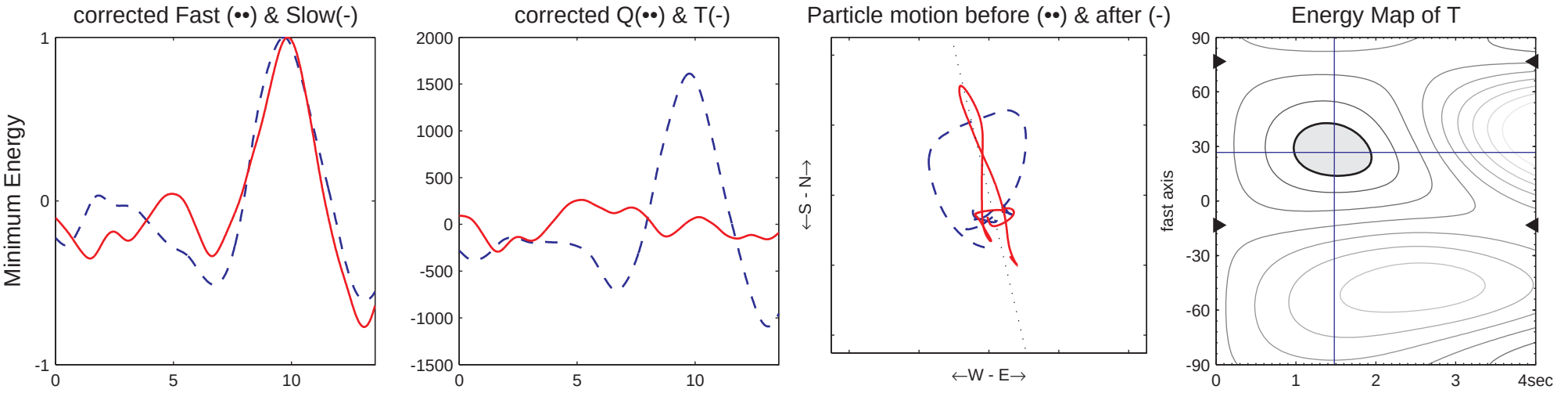
Rotation Correlation:	-7<	25° <	74	0.6<1.5s<2.4
Minimum Energy:	13<	27° <	43	1.0<1.5s<2.0
Eigenvalue:	1<	27° <	64	0.9<1.5s<2.0

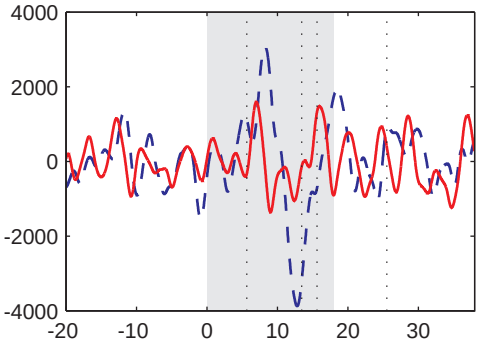
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



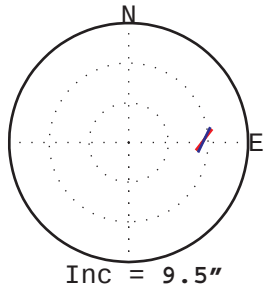


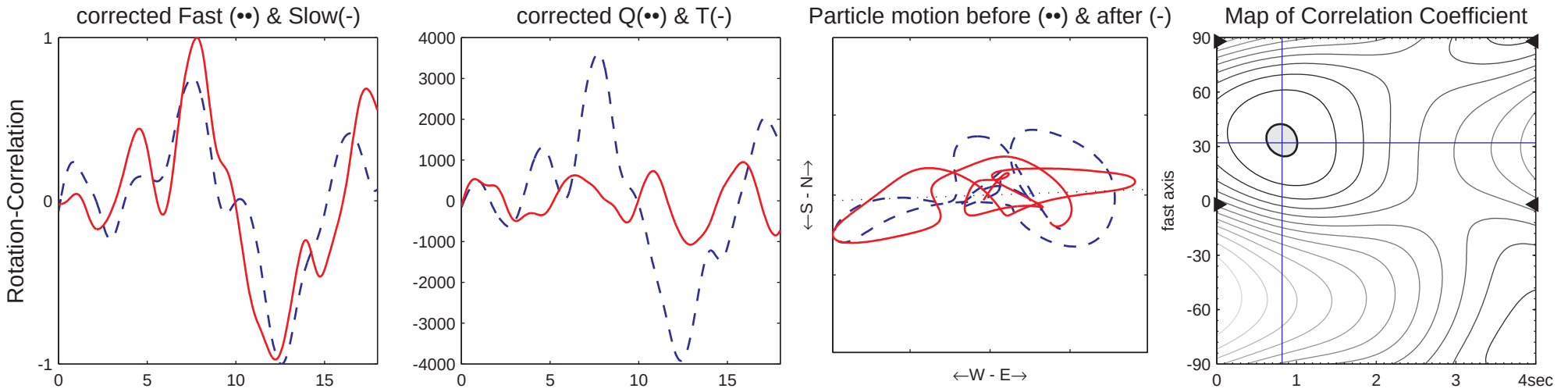


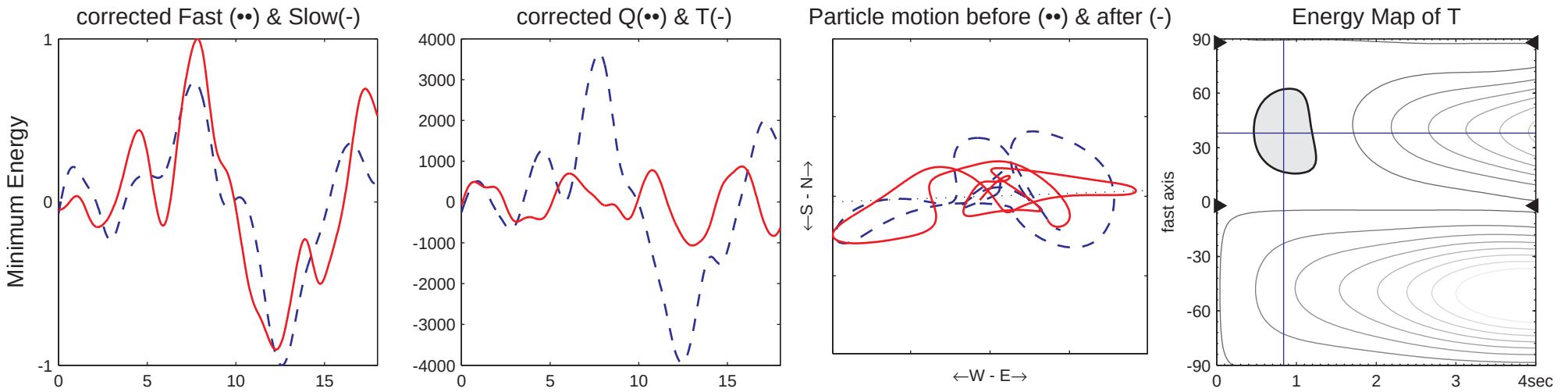
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **KONT** Backazimuth: **87.9”** Distance: **94.17”**
init.Pol.: **261.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

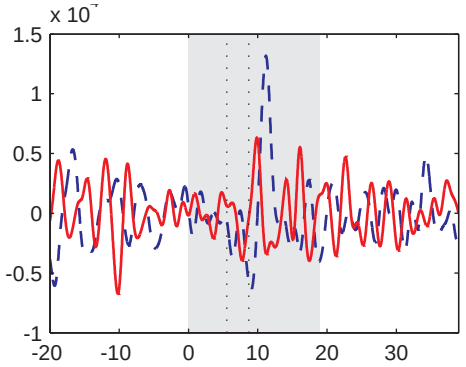
Rotation Correlation:	25<	32° <	43	0.6<0.8s<1.0
Minimum Energy:	15<	38° <	62	0.5<0.8s<1.2
Eigenvalue:	3<	26° <	54	0.5<0.9s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





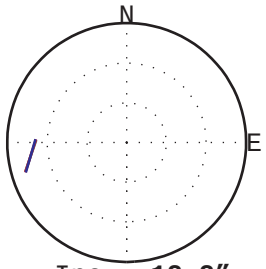


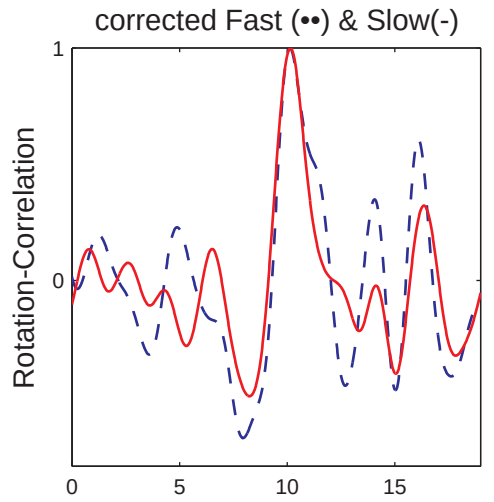


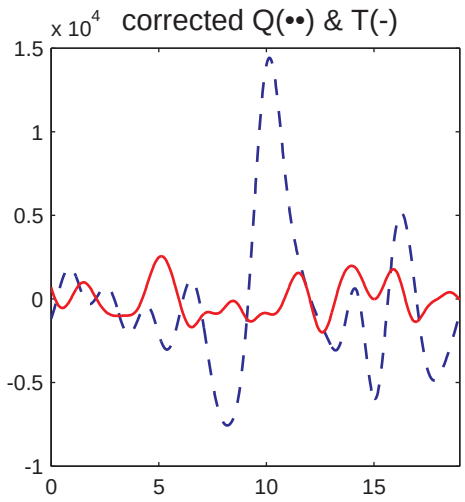
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **KONT** Backazimuth: **262.1”** Distance: **105.16”**
init.Pol.: **80.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.8**

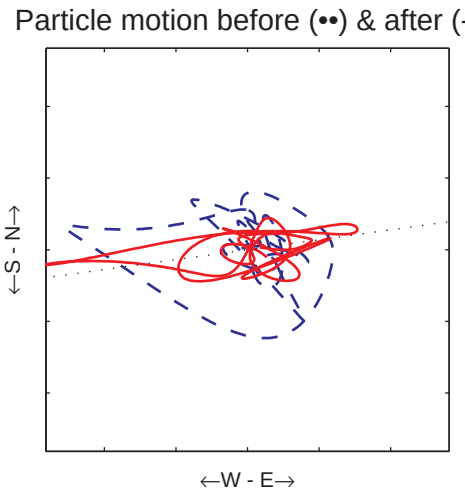
Rotation Correlation:	12<	19° <	30	0.8<1.0s<1.2
Minimum Energy:	13<	18° <	25	0.8<1.1s<1.3
Eigenvalue:	7<	16° <	29	0.8<1.1s<1.3

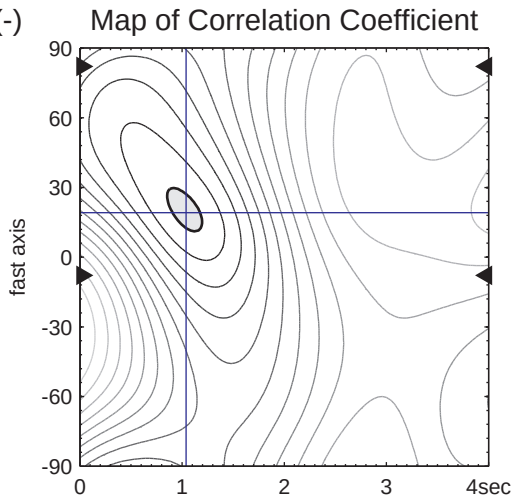
Quality: **good** IsNull: **No** Phase: **SKKS**

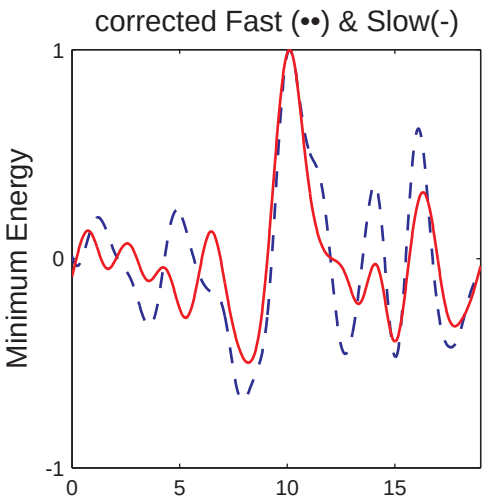


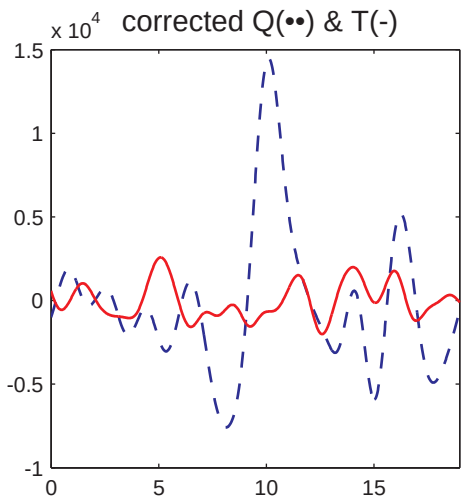


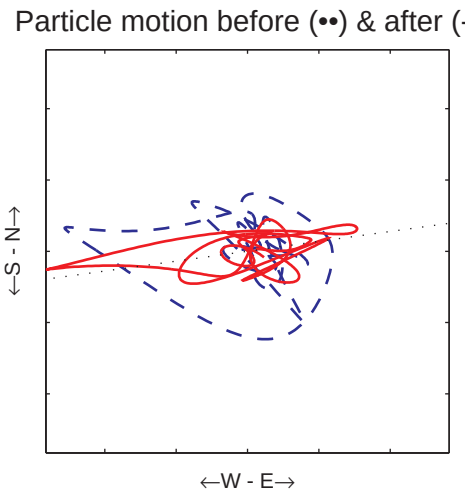


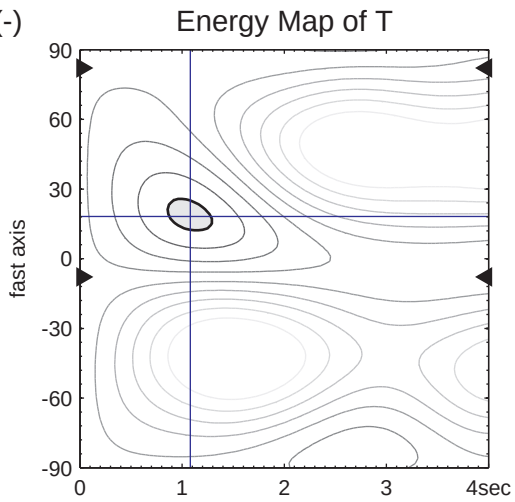


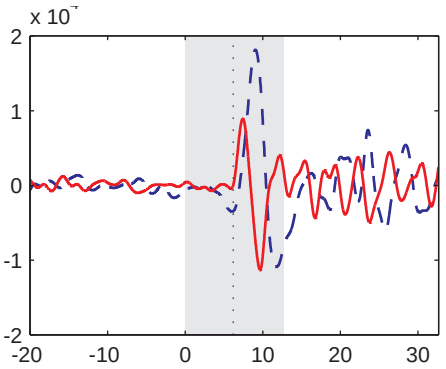








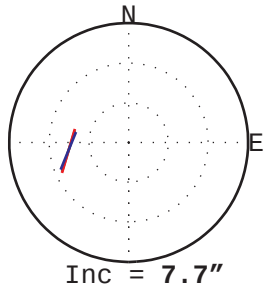


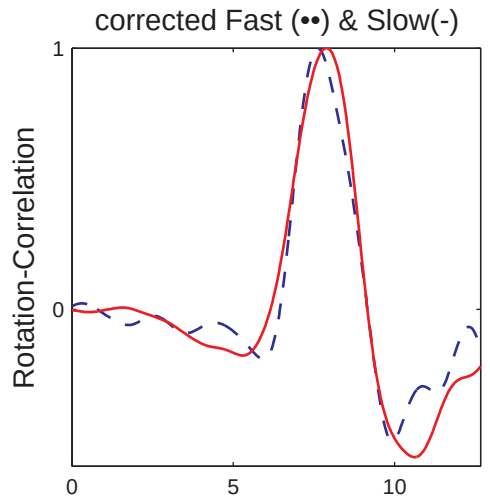


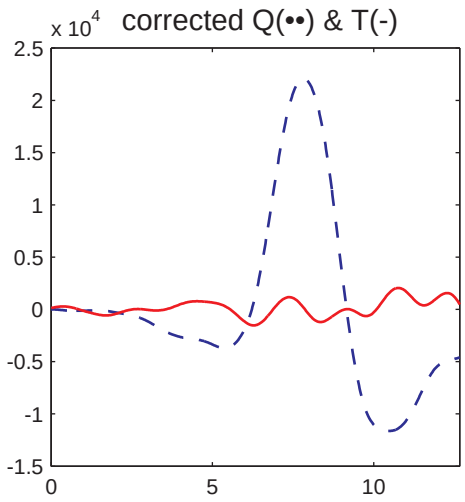
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km Mw=6.6**
Station: **KONT** Backazimuth: **262.1”** Distance: **105.16”**
init.Pol.: **87.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**14.0**

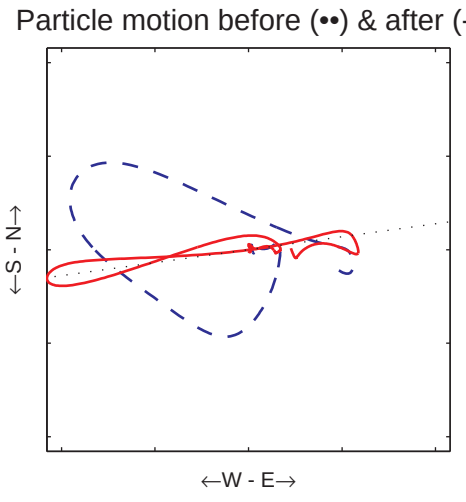
Rotation Correlation:	12<	17° <	25	1.2<1.4s<1.6
Minimum Energy:	15<	16° <	21	1.2<1.4s<1.6
Eigenvalue:	19<	22° <	27	1.2<1.3s<1.4

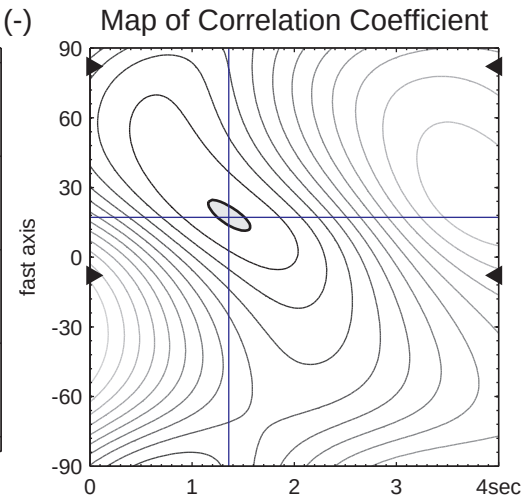
Quality: **good** IsNull: **No** Phase: **SKS**

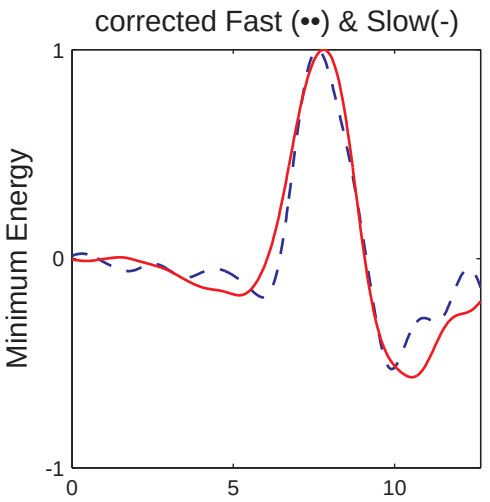


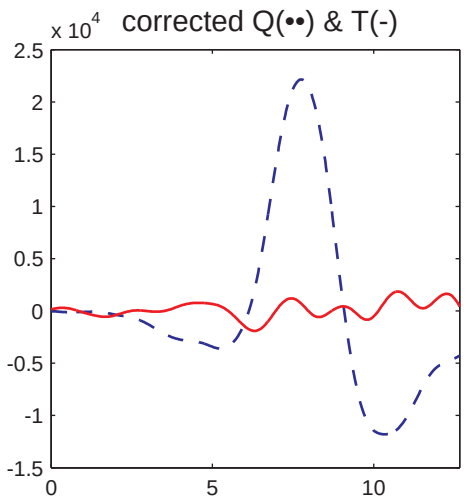


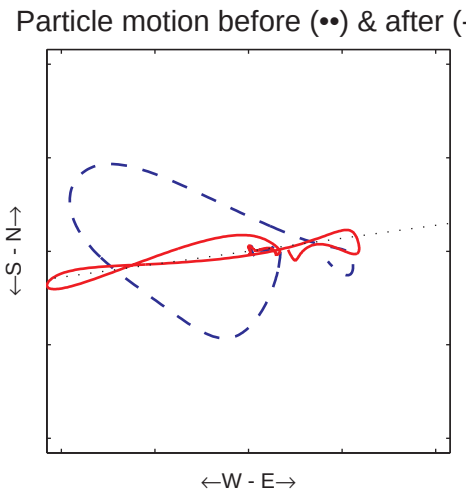


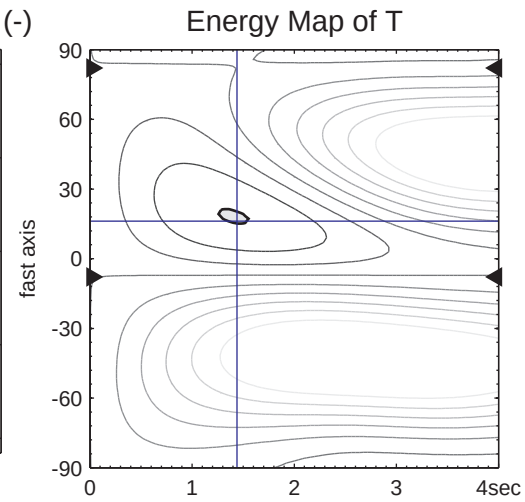


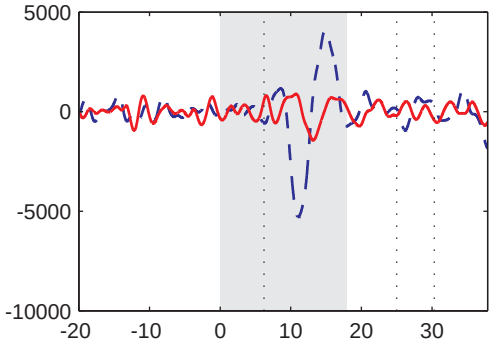








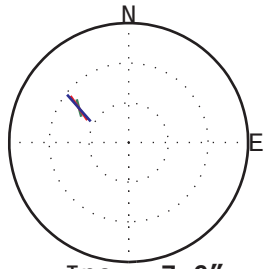


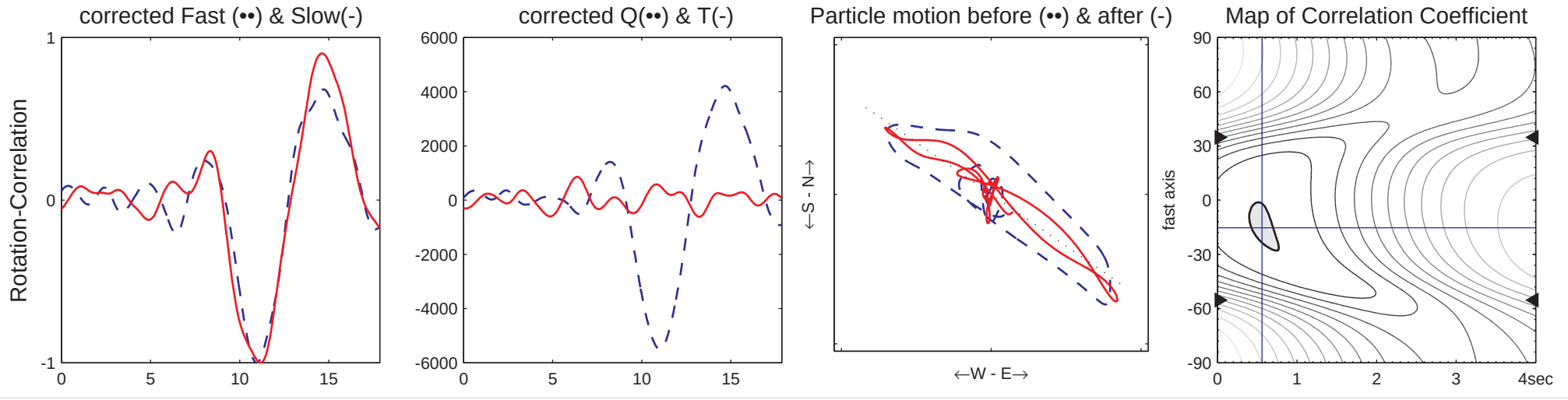


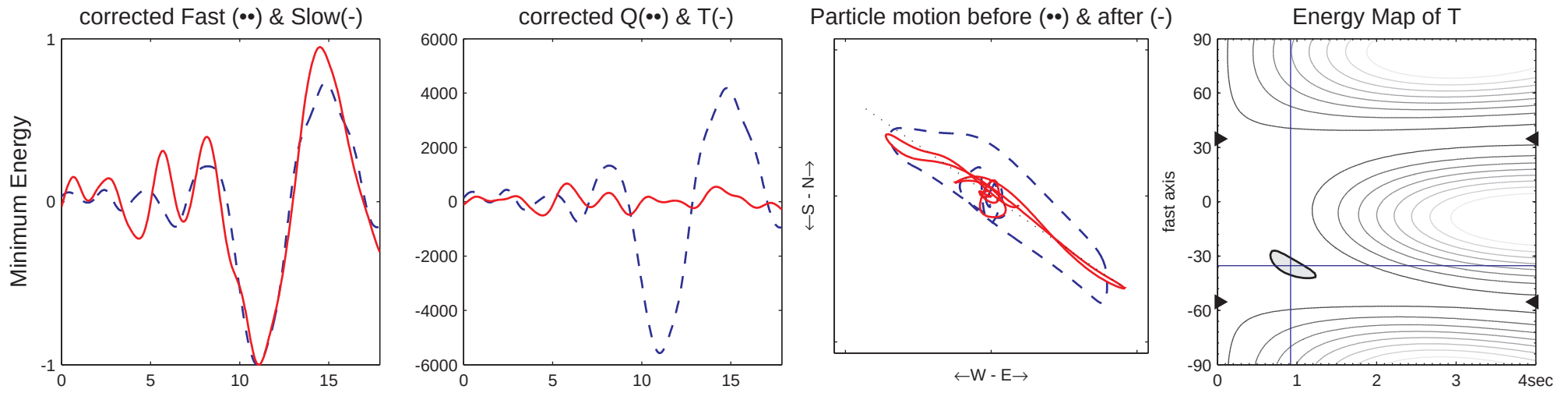
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **KONT** Backazimuth: **304.7”** Distance: **106.46”**
init.Pol.: **121.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.8**

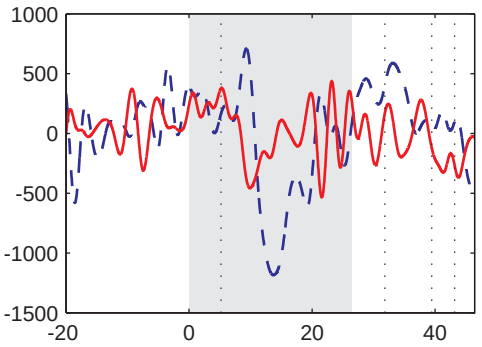
Rotation Correlation:	-29<	-15° <	-3	0.4<0.6s<0.8
Minimum Energy:	-43<	-35° <	-29	0.7<0.9s<1.2
Eigenvalue:	-50<	-41° <	-35	0.8<1.1s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





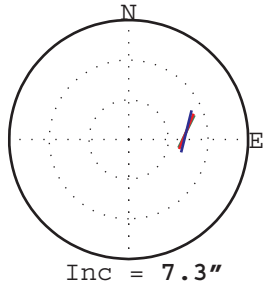


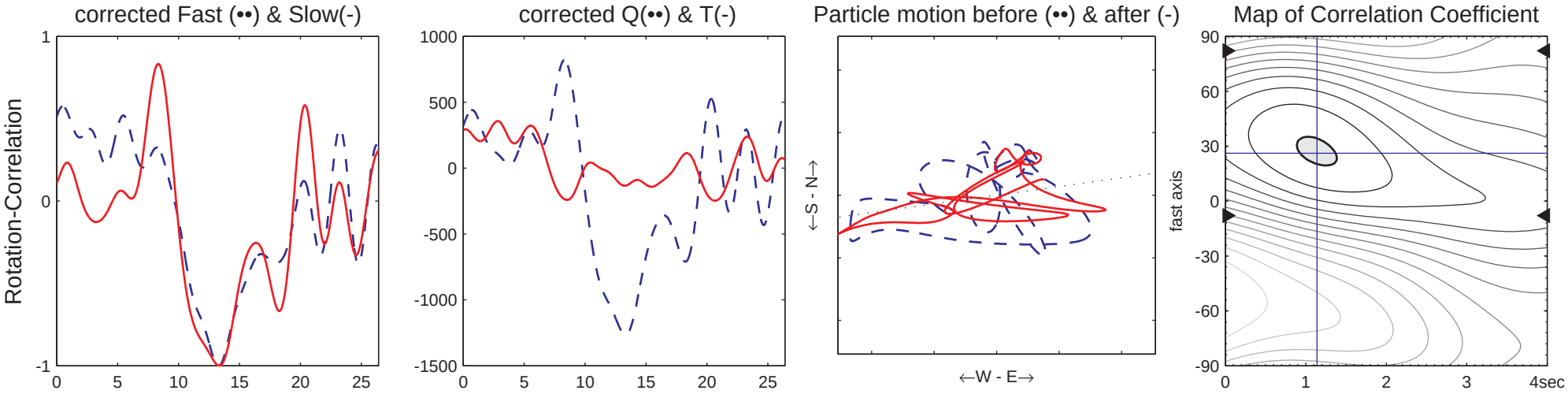


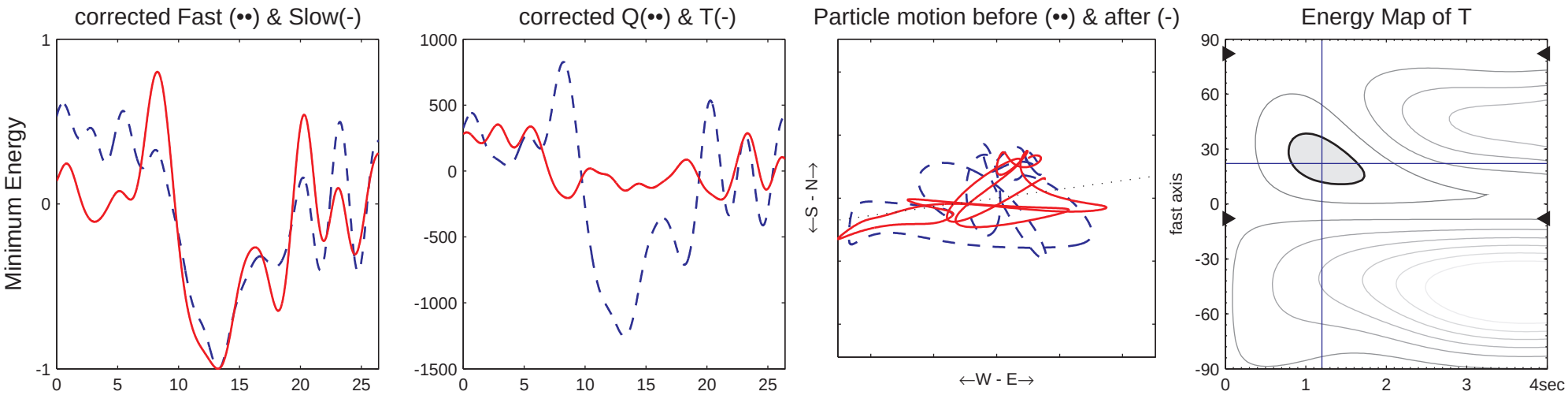
Event: **22-Nov-2005 (326) 15:11 -5.15N 145.28E 68km Mw=6.2**
Station: **KOZT** Backazimuth: **82.1”** Distance: **108.53”**
init.Pol.: **253.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

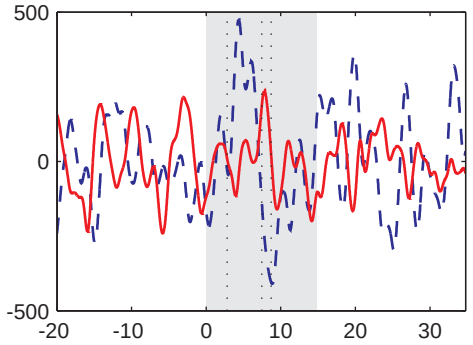
Rotation Correlation:	20<	26° <	35	0.9<1.1s<1.4
Minimum Energy:	11<	22° <	39	0.8<1.2s<1.7
Eigenvalue:	1<	14° <	29	0.9<1.4s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





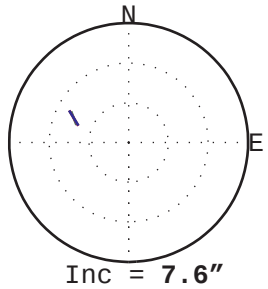


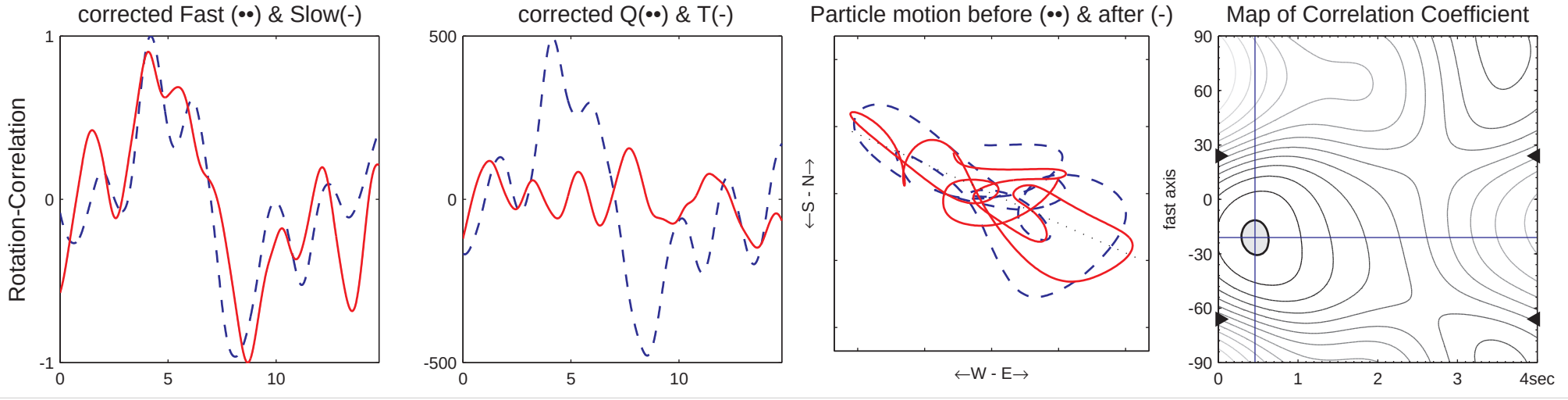


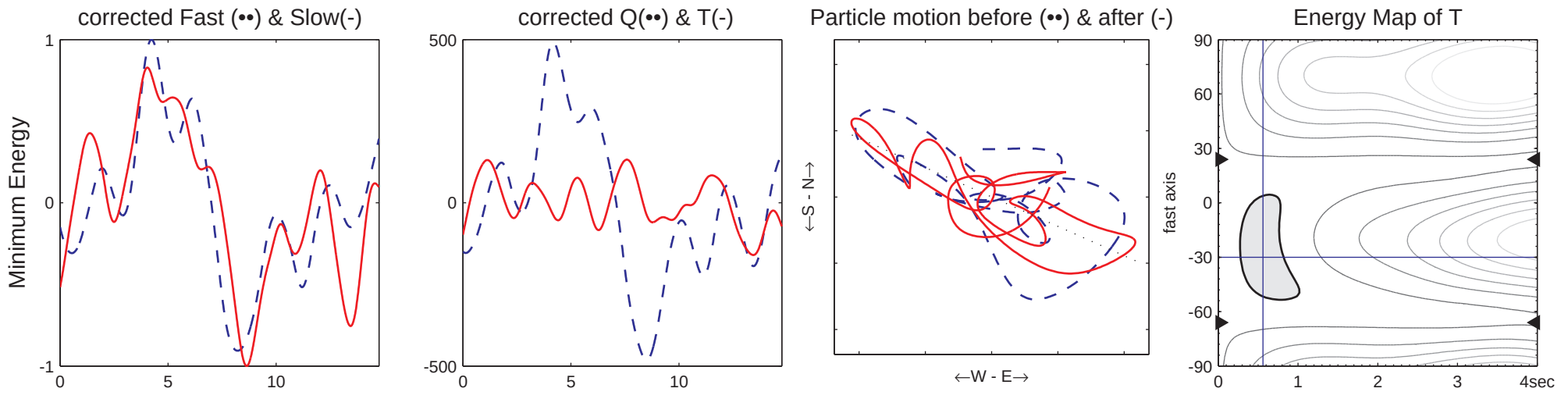
Event: **30-Dec-2005 (364) 18:26 7.53N -82.27E 10km Mw=6.1**
Station: **KOZT** Backazimuth: **293.9”** Distance: **106.90”**
init.Pol.: **113.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

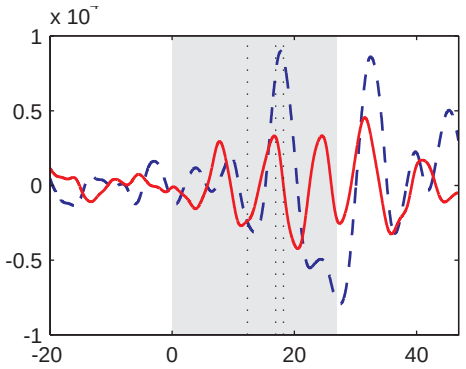
Rotation Correlation:	-32<	-21° <	-13	0.3<0.5s<0.6
Minimum Energy:	-56<	-30° <	3	0.3<0.6s<1.0
Eigenvalue:	-60<	-32° <	9	0.3<0.6s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





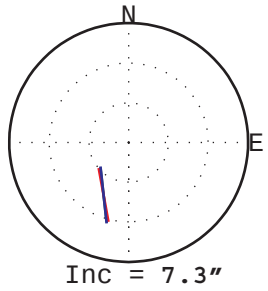


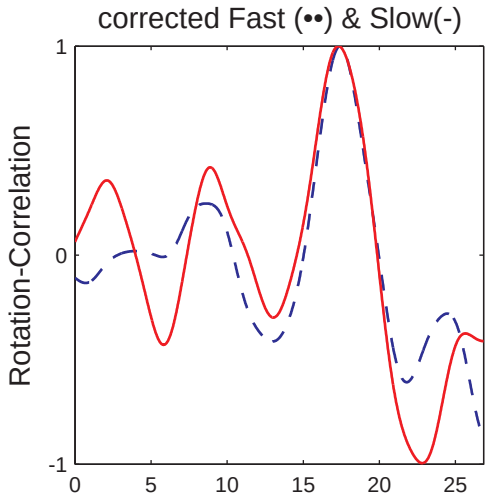


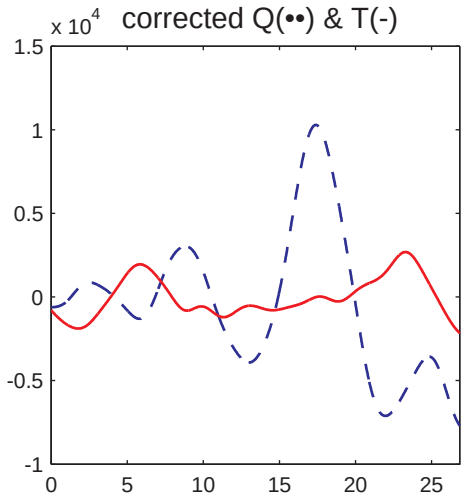
Event: **02-Jan-2006 (002) 06:10 -60.93N -21.58E 10km Mw=7.4**
Station: **KOZT** Backazimuth: **205.6”** Distance: **108.91”**
init.Pol.: **30.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

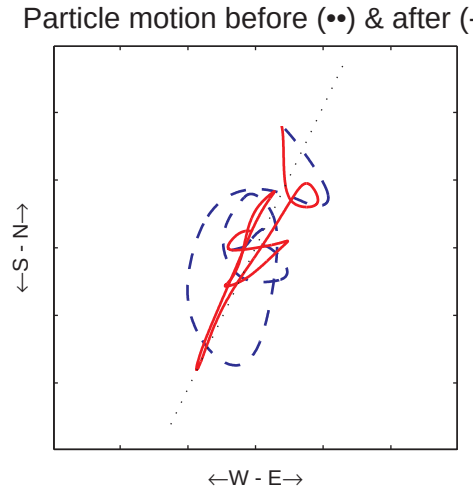
Rotation Correlation:	-42<	-6° <	20	0.6<1.7s<2.7
Minimum Energy:	-41<	-10° <	7	0.8<1.7s<2.8
Eigenvalue:	-41<	-6° <	15	0.8<1.8s<2.8

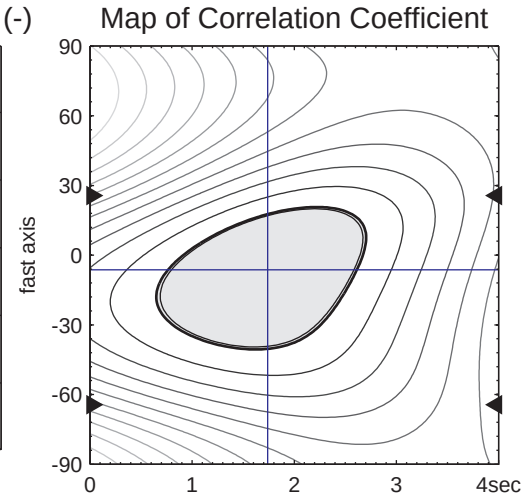
Quality: **fair** IsNull: **No** Phase: **SKS**

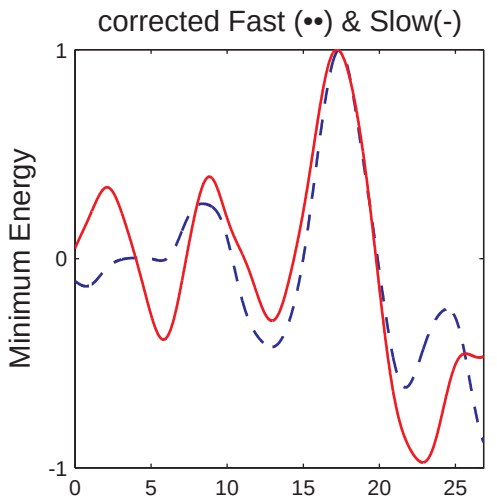


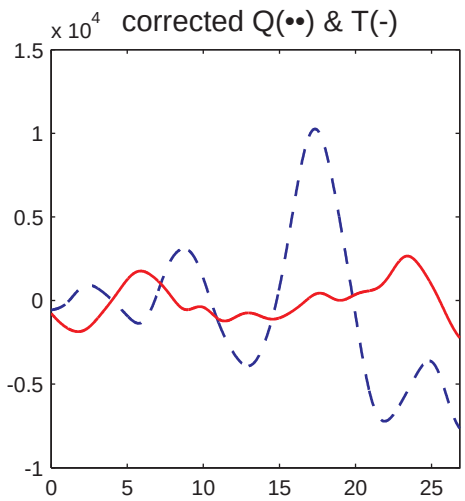


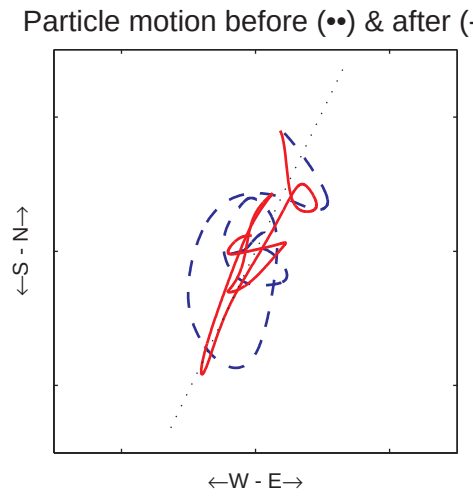


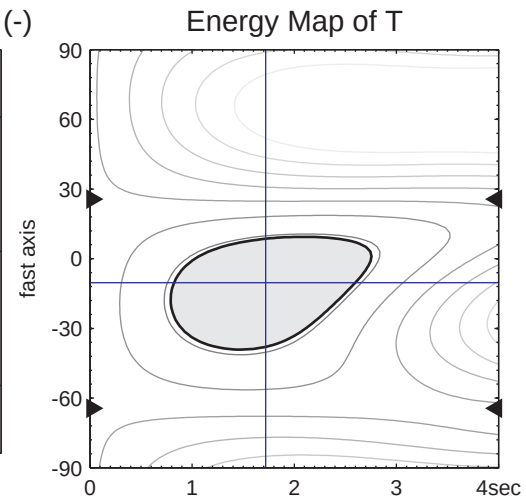


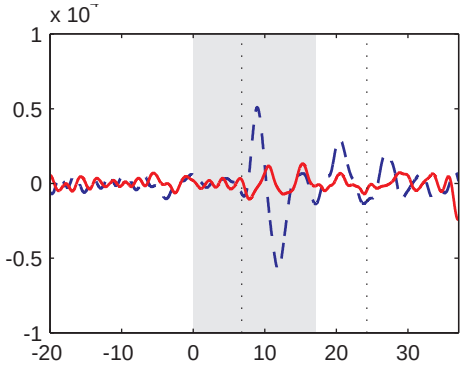








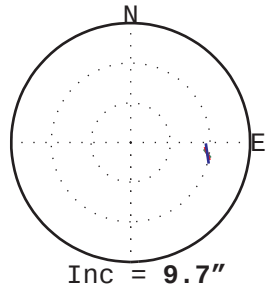


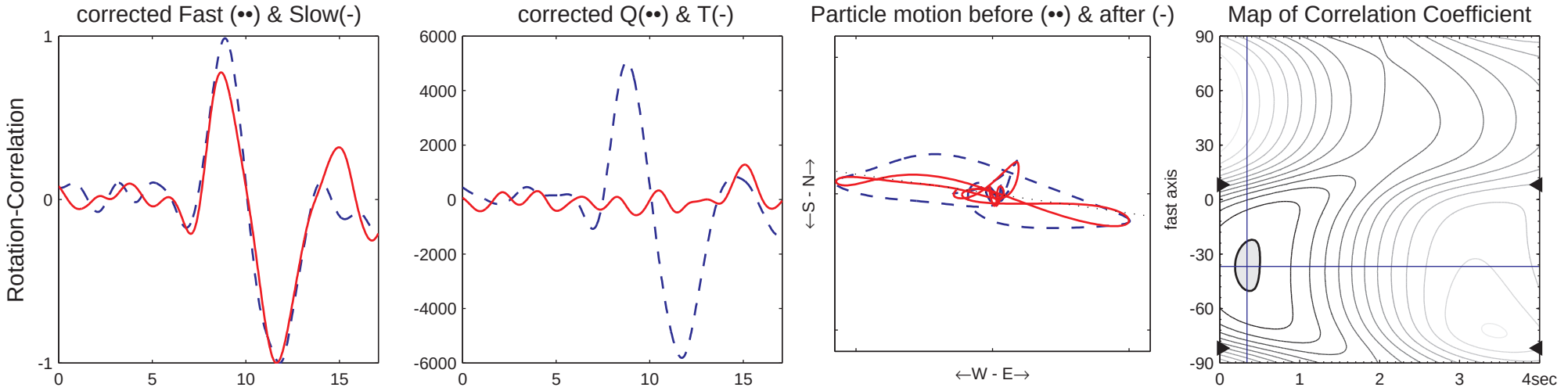


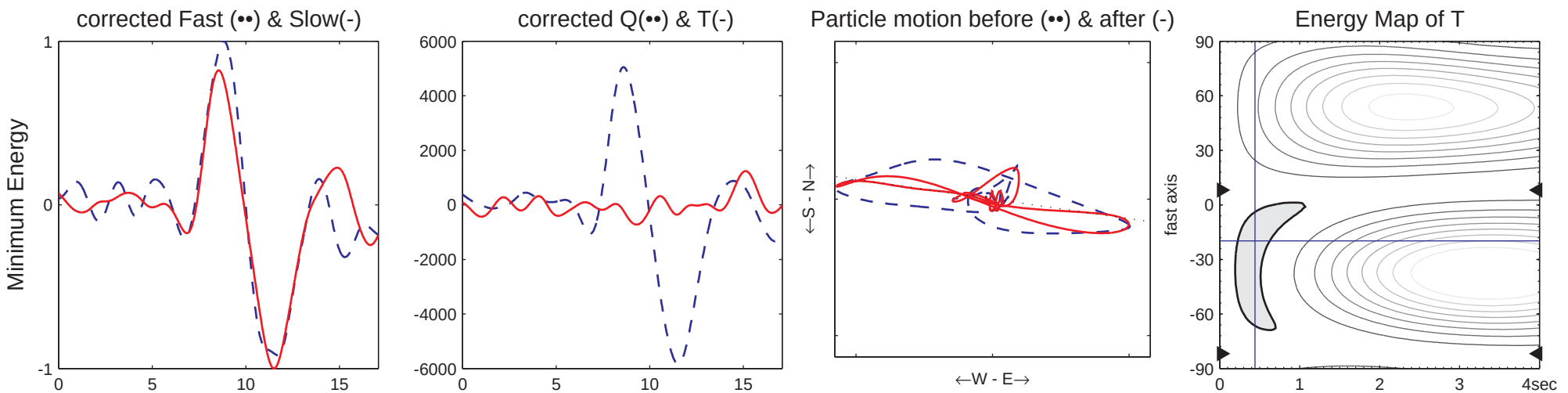
Event: **15-Jan-2006 (015) 11:58 -7.83N 122.60E 264km Mw=6.1**
Station: **KOZT** Backazimuth: **98.2”** Distance: **92.21”**
init.Pol.: **280.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.9**

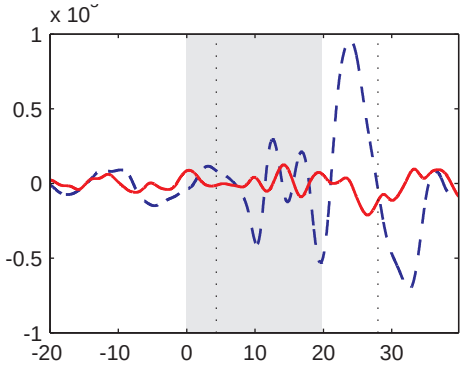
Rotation Correlation:	-52<	-37° < -23	0.2<0.3s<0.5
Minimum Energy:	-72<	-20° < -1	0.2<0.4s<1.1
Eigenvalue:	-80<	-8° < 7	0.2<0.6s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





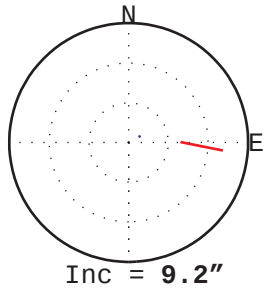


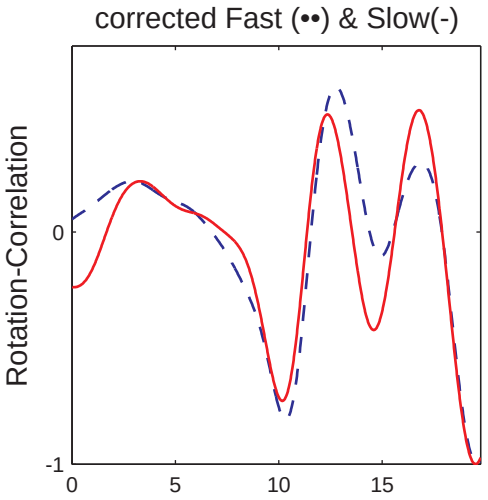


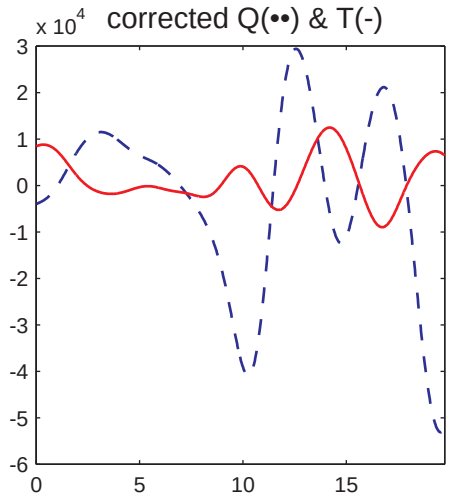
Event: **27-Jan-2006 (027) 16:58 -5.47N 128.13E 397km Mw=7.6**
Station: **KOZT** Backazimuth: **93.0”** Distance: **95.15”**
init.Pol.: **292.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

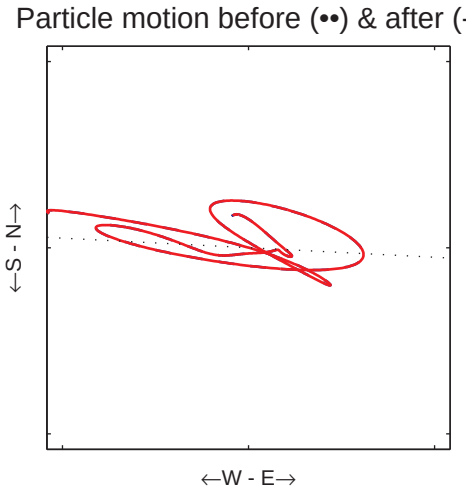
Rotation Correlation:	46<	55° <	66	0.0<0.0s<0.0
Minimum Energy:	-86<	-79° <	-76	0.8<1.4s<2.1
Eigenvalue:	-86<	-81° <	-82	3.7<4.0s<4.0

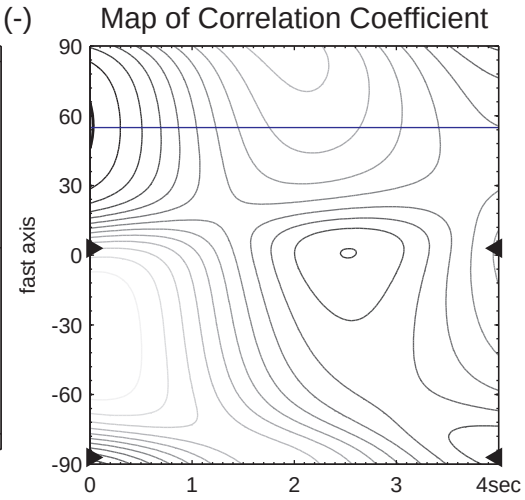
Quality: **good** IsNull: **Yes** Phase: **SKS**

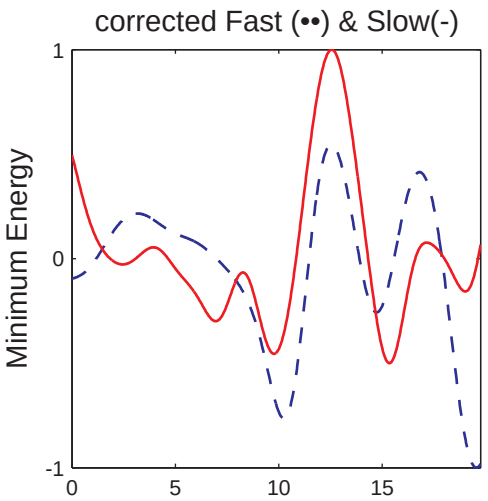


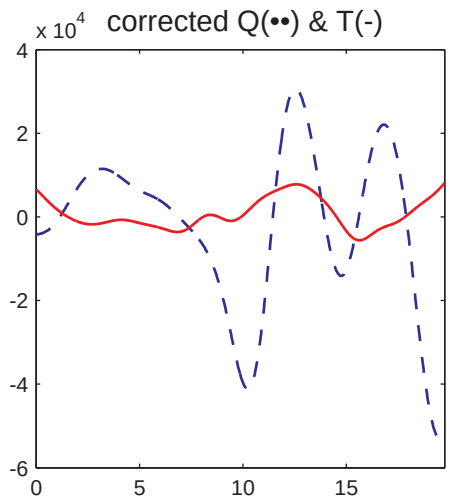


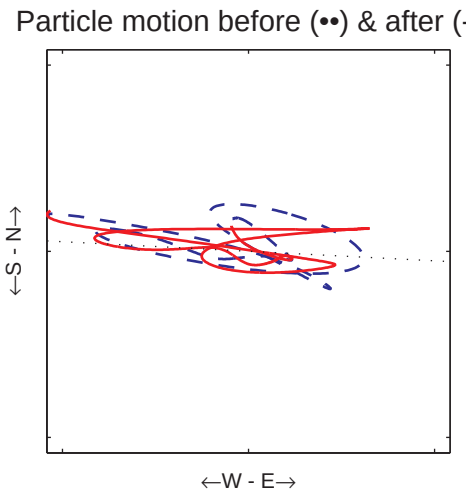


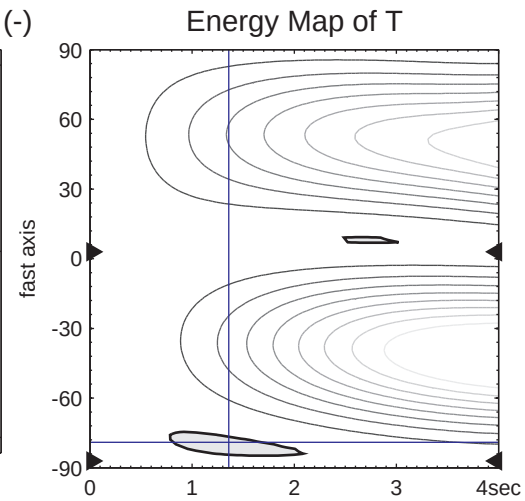


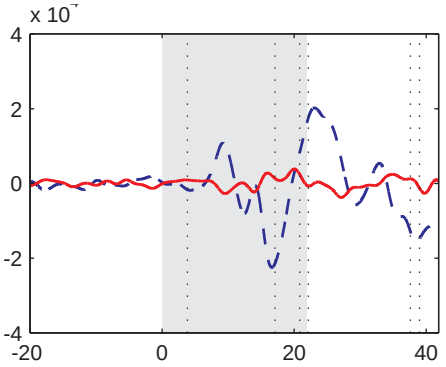








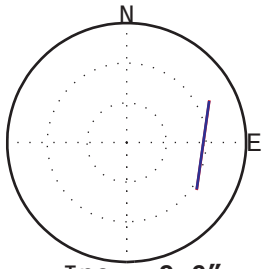


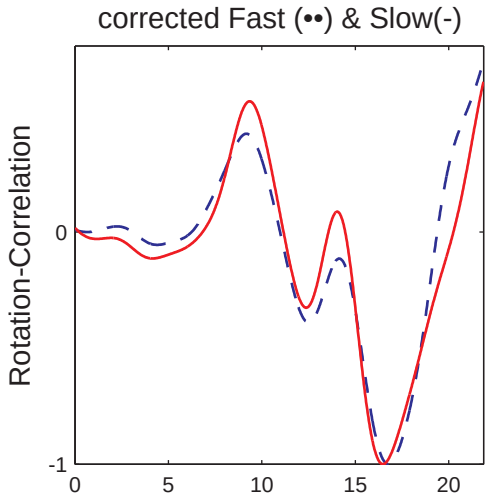


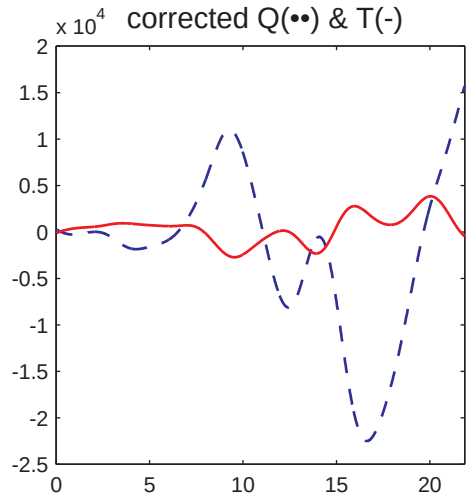
Event: **14-Mar-2006 (073) 06:57 -3.60N 127.21E 30km Mw=6.7**
Station: **KOZT** Backazimuth: **92.0”** Distance: **93.29”**
init.Pol.: **272.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.9**

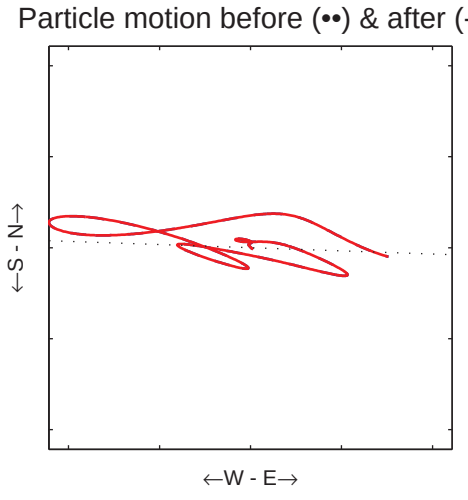
Rotation Correlation:	40<	52° <	65	0.0<0.0s<0.2
Minimum Energy:	7<	8° <	11	2.1<2.8s<3.7
Eigenvalue:	5<	8° <	13	2.0<2.8s<3.9

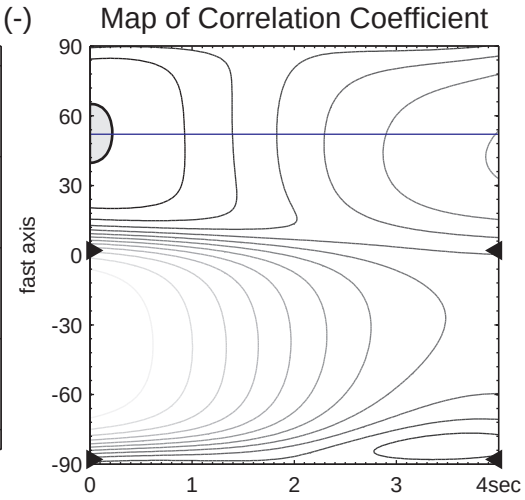
Quality: **good** IsNull: **Yes** Phase: **SKS**

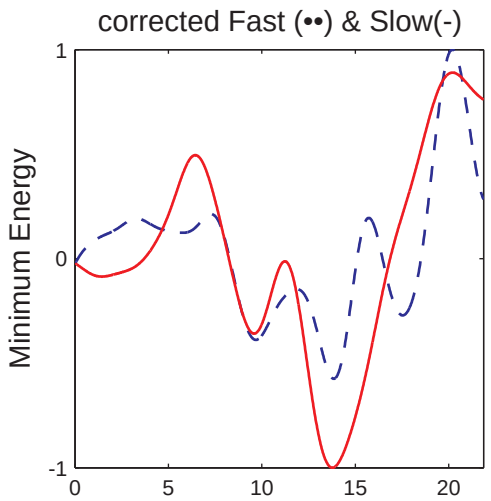


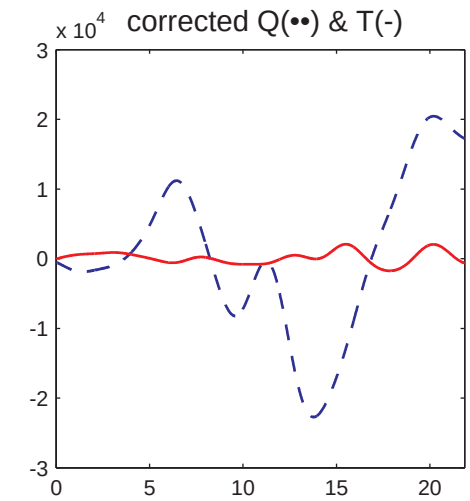


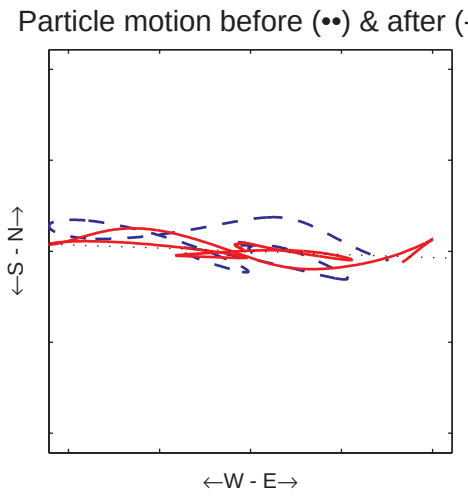


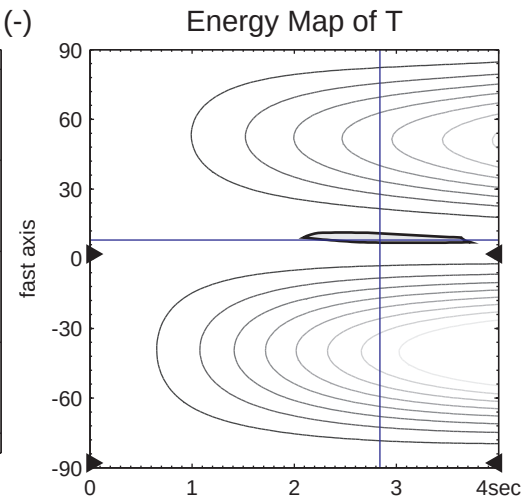


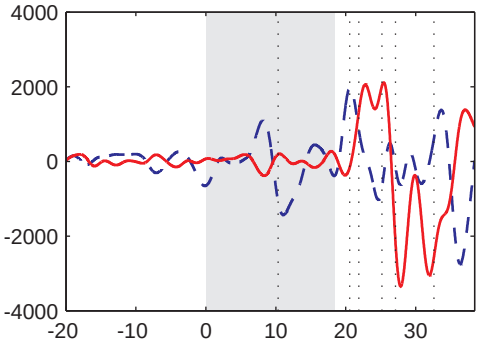








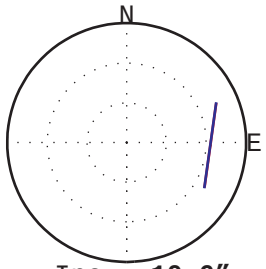




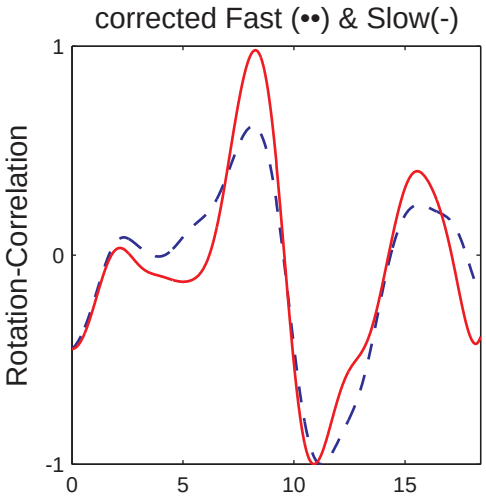
Event: **24-Jun-2006 (175) 21:15 -0.39N 123.19E 26km Mw=6.3**
Station: **KOZT** Backazimuth: **91.9”** Distance: **88.15”**
init.Pol.: **271.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.1**

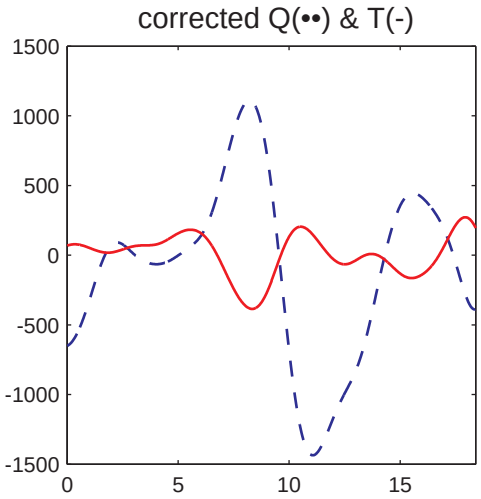
Rotation Correlation:	44<	55° <	69	0.0<0.0s<0.1
Minimum Energy:	5<	8° <	9	2.2<2.7s<3.2
Eigenvalue:	3<	8° <	11	2.1<2.7s<3.2

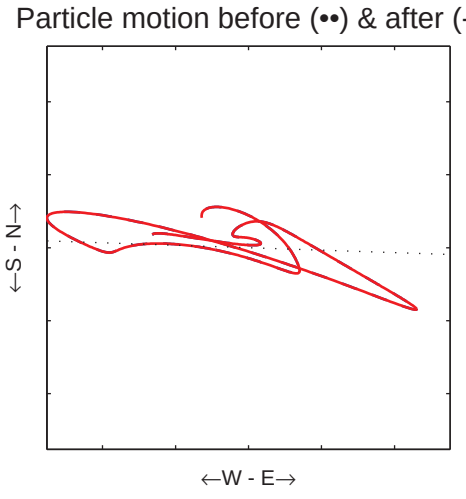
Quality: **good** IsNull: **Yes** Phase: **SKS**

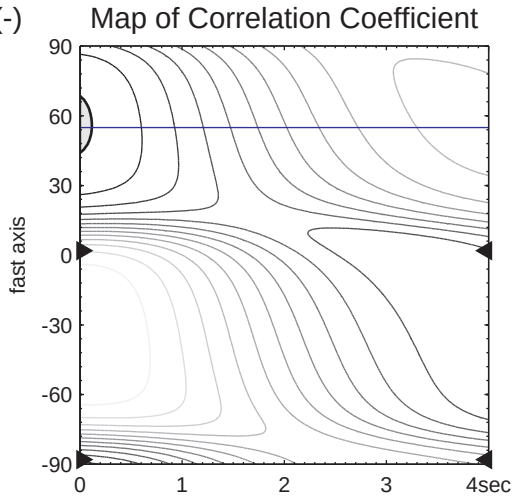


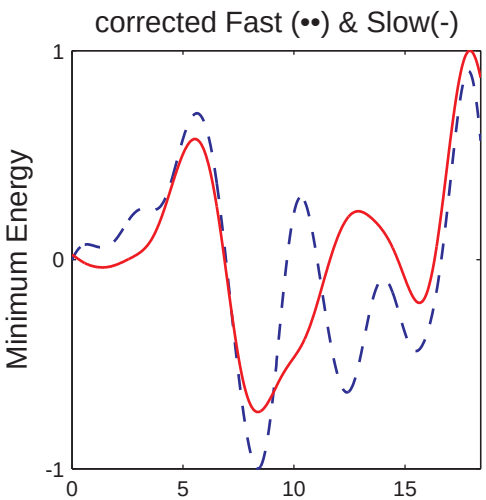
Inc = **10.6”**

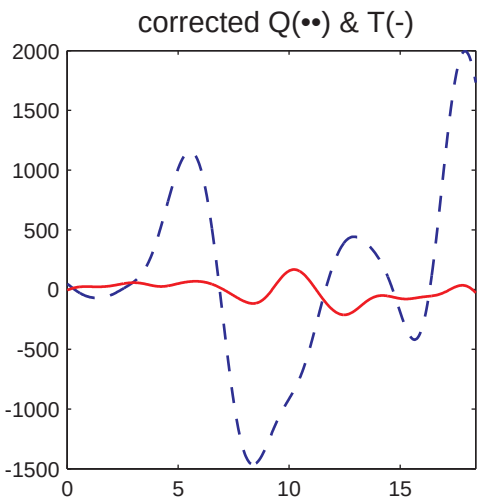


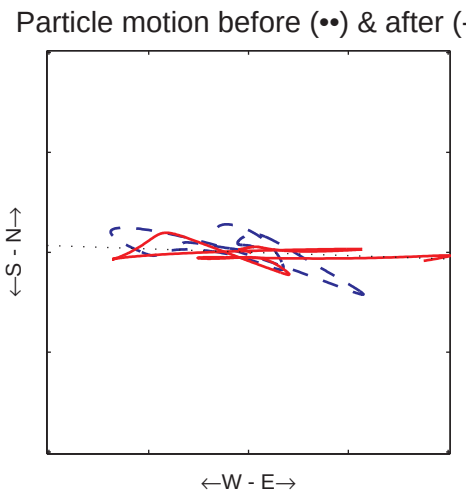


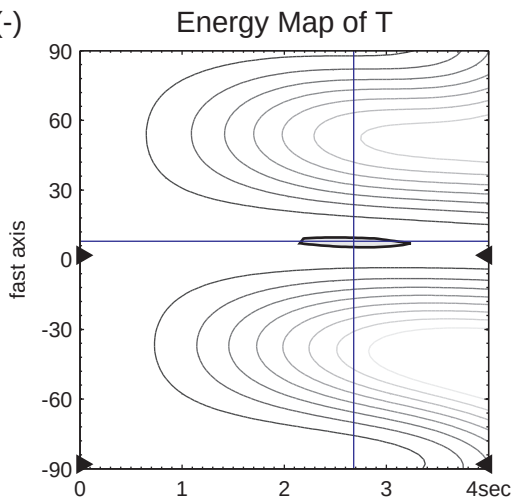


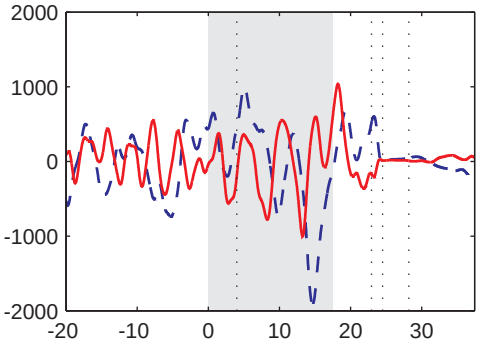








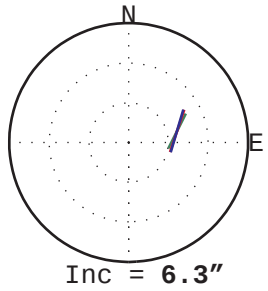


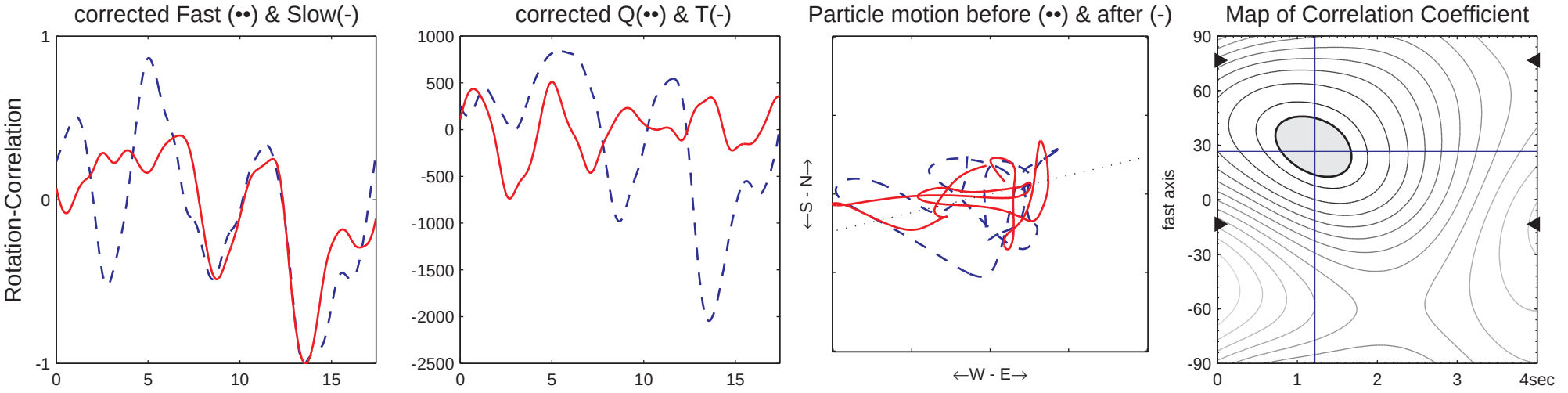


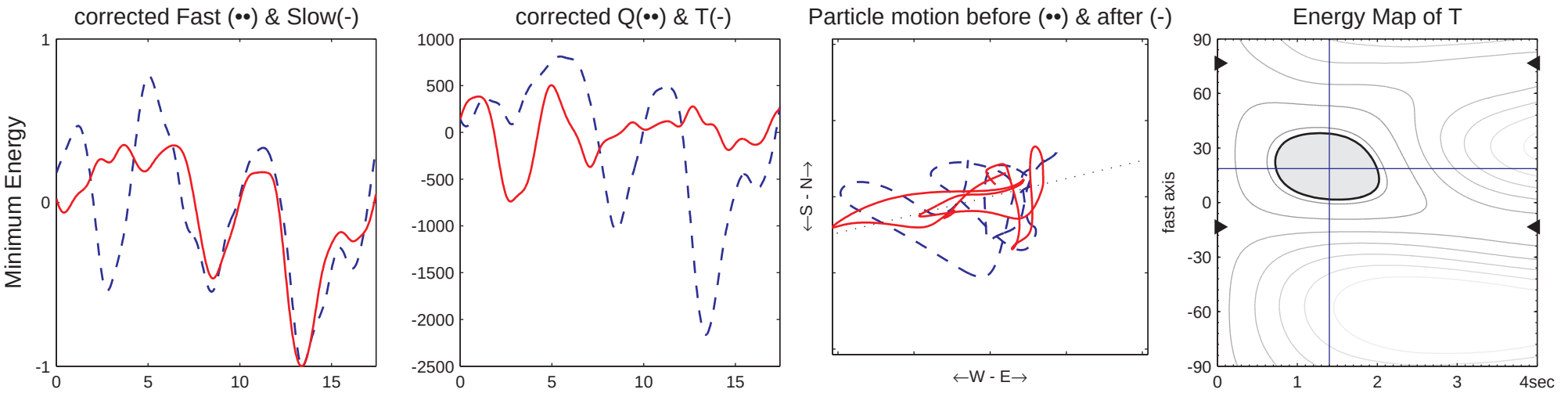
Event: **01-Sep-2006 (244) 10:18 -6.82N 155.54E 45km Mw=6.8**
Station: **KOZT** Backazimuth: **76.6”** Distance: **117.57”**
init.Pol.: **255.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

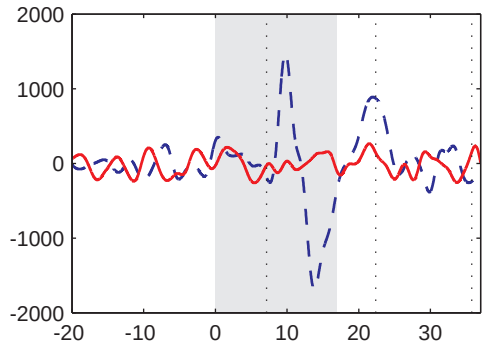
Rotation Correlation:	13<	27° <	46	0.7<1.2s<1.7
Minimum Energy:	1<	19° <	37	0.7<1.4s<2.0
Eigenvalue:	-5<	17° <	43	0.7<1.4s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





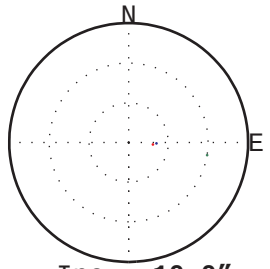




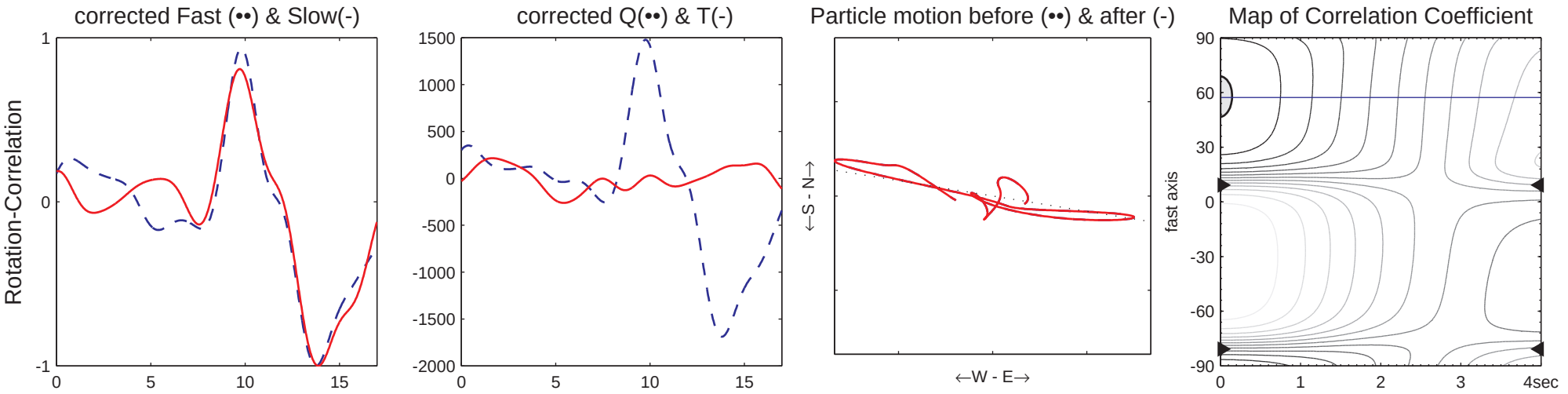
Event: **09-Sep-2006 (252) 04:13 -7.22N 120.10E 571km Mw=6.3**
Station: **KOZT** Backazimuth: **99.2”** Distance: **89.88”**
init.Pol.: **283.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.6**

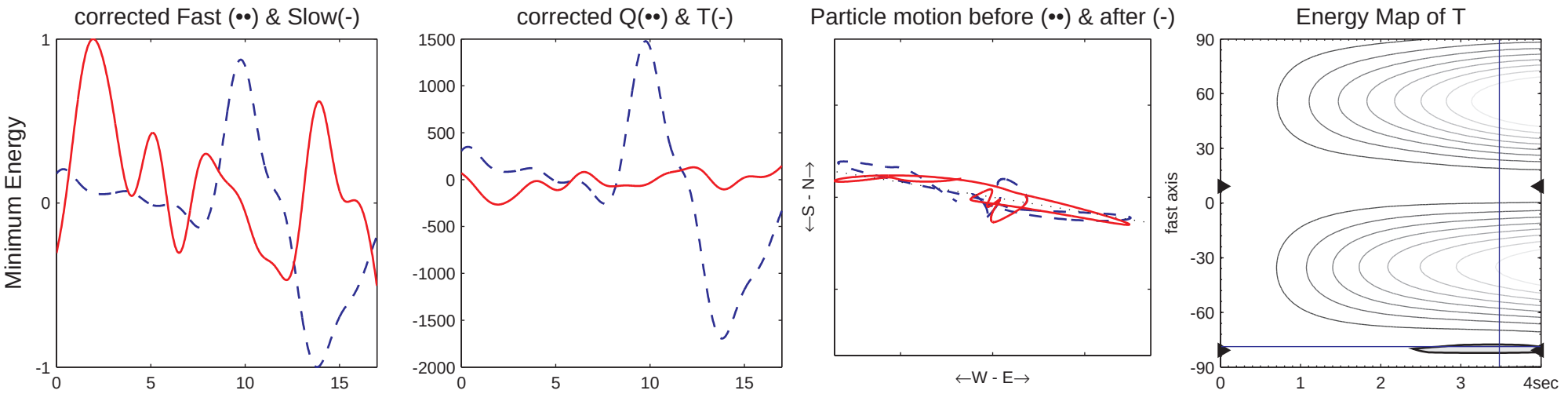
Rotation Correlation:	47<	57° <	69	0.0<0.0s<0.2
Minimum Energy:	-84<	-79° <	-80	2.4<3.5s<4.0
Eigenvalue:	-84<	-77° <	-76	2.2<3.3s<4.0

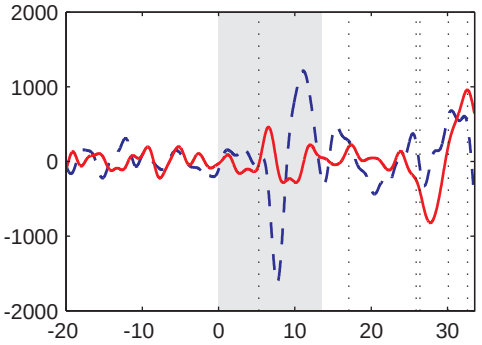
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.0”**



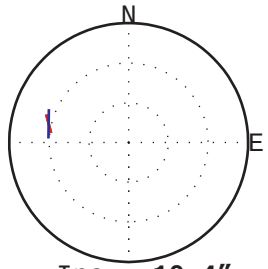




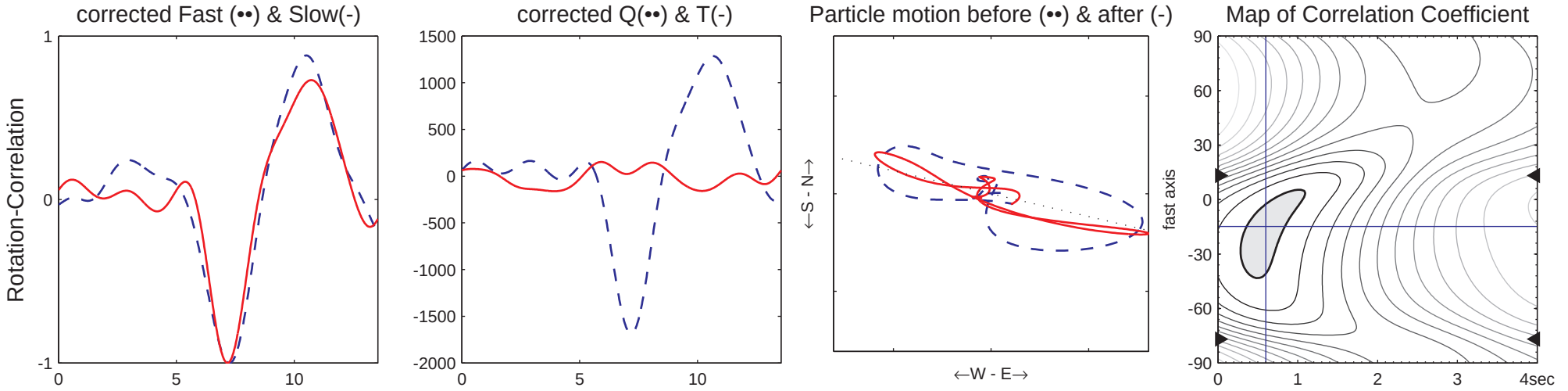
Event: **29-Sep-2006 (272) 13:08 10.91N -61.65E 53km Mw=6.0**
Station: **KOZT** Backazimuth: **283.2”** Distance: **89.21”**
init.Pol.: **111.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.7**

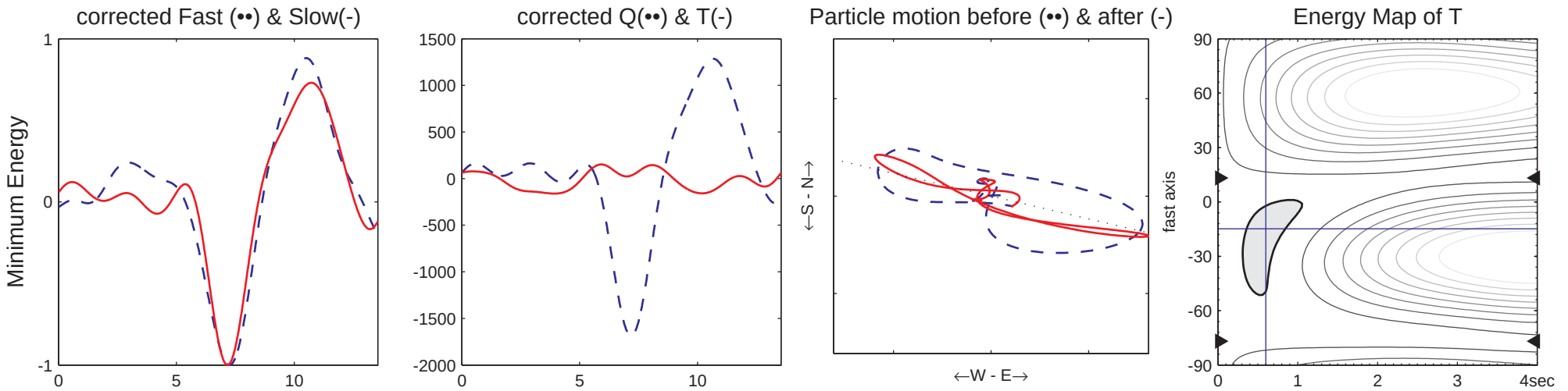
Rotation Correlation:	-44<	-15° < 5	0.3<0.6s<1.1
Minimum Energy:	-54<	-15° < -1	0.3<0.6s<1.0
Eigenvalue:	-15<	1° < 9	0.6<0.9s<1.3

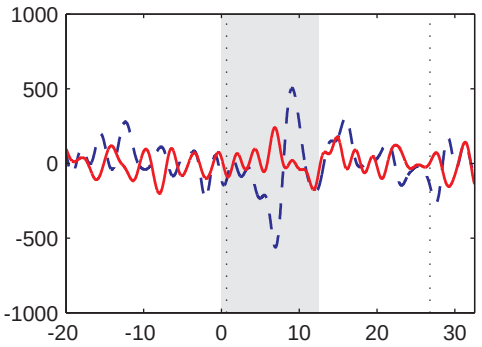
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



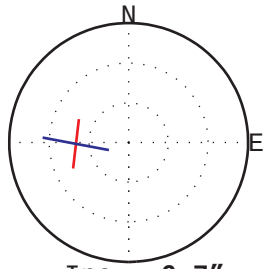




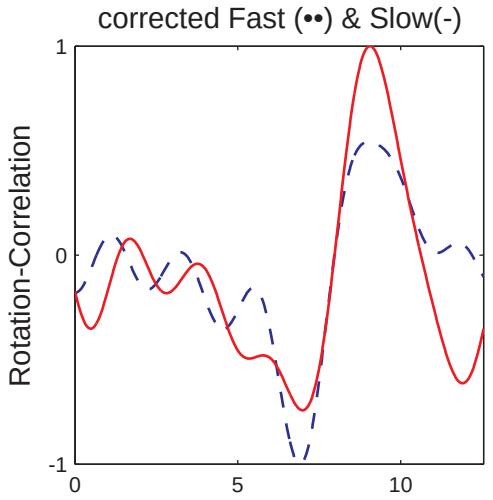
Event: **30-Sep-2006 (273) 16:26 -15.52N -73.05E 106km** Mw=**5.6**
Station: **KOZT** Backazimuth: **268.6”** Distance: **114.22”**
init.Pol.: **116.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

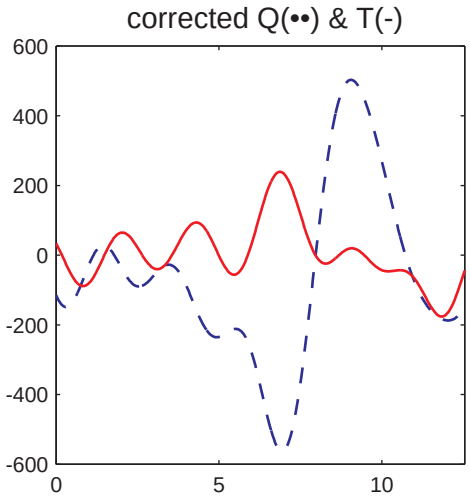
Rotation Correlation:	-48<	-38° < -30	0.0<0.0s<0.2
Minimum Energy:	1<	7° < 13	0.8<1.6s<2.8
Eigenvalue:	-88<	-79° < -76	1.8<2.1s<2.4

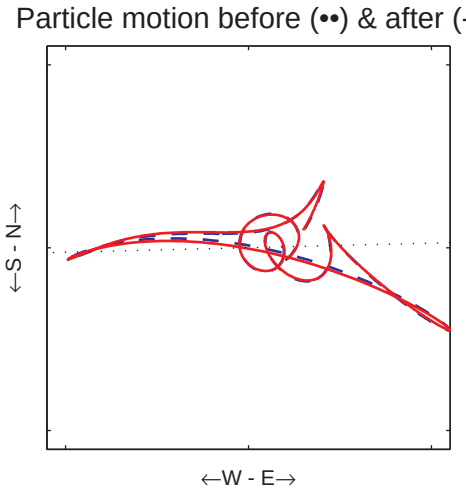
Quality: **fair** IsNull: **Yes** Phase: **SKS**

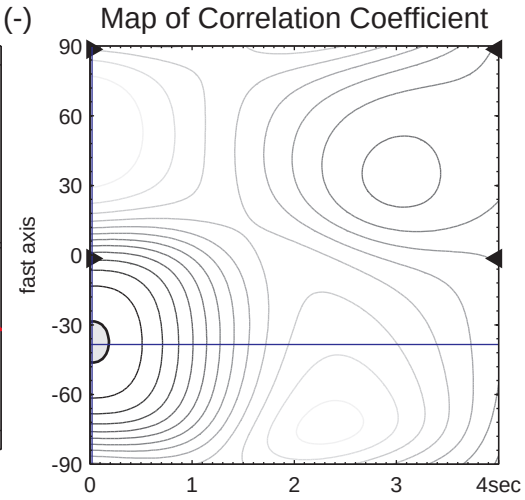


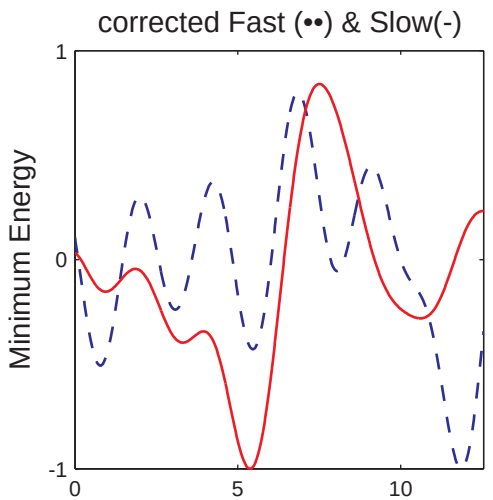
Inc = **6.7”**

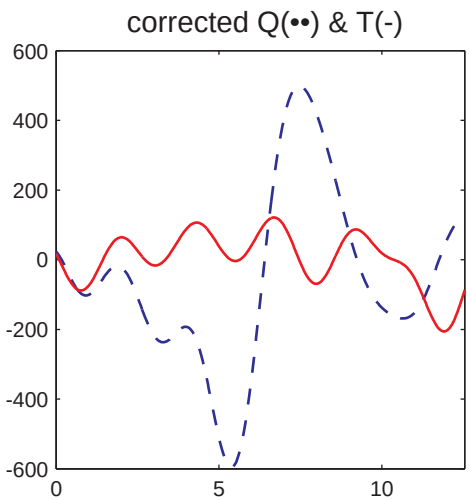


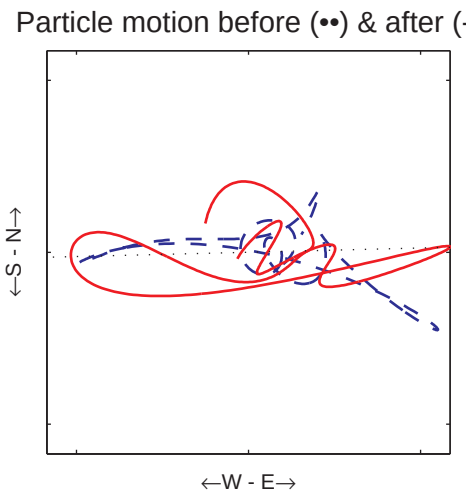


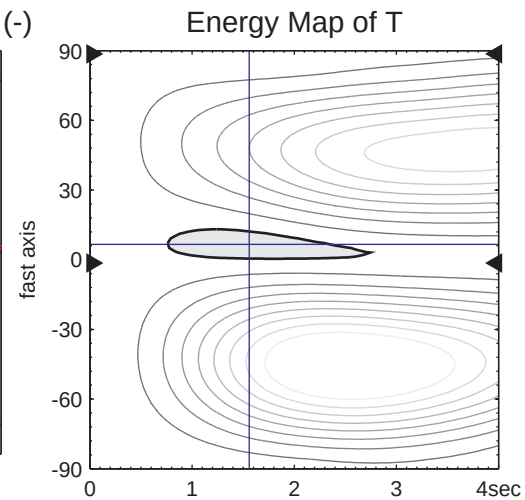


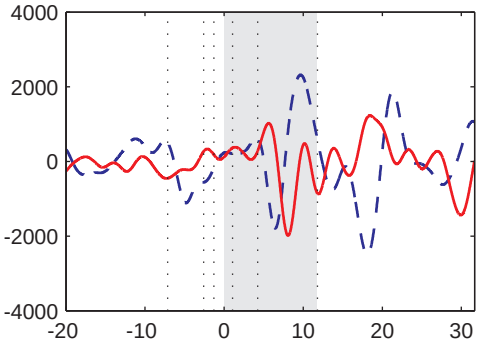








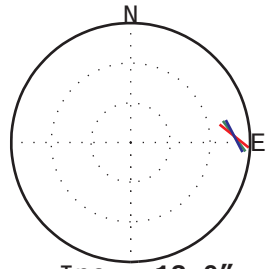




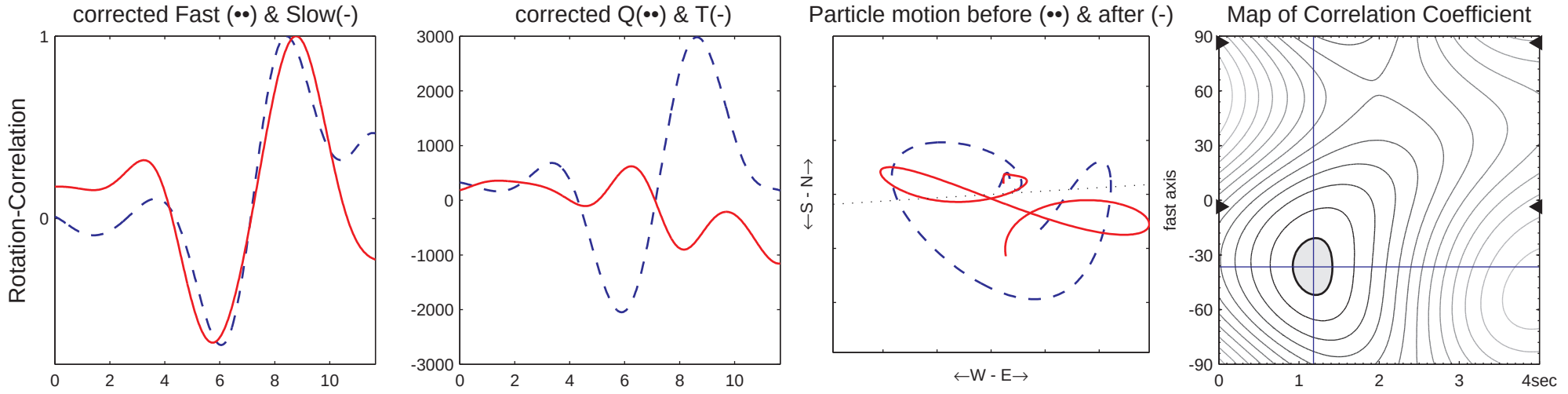
Event: **24-Oct-2006 (297) 03:03 4.90N 125.29E 10km Mw=6.1**
Station: **KOZT** Backazimuth: **86.4”** Distance: **86.60”**
init.Pol.: **285.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

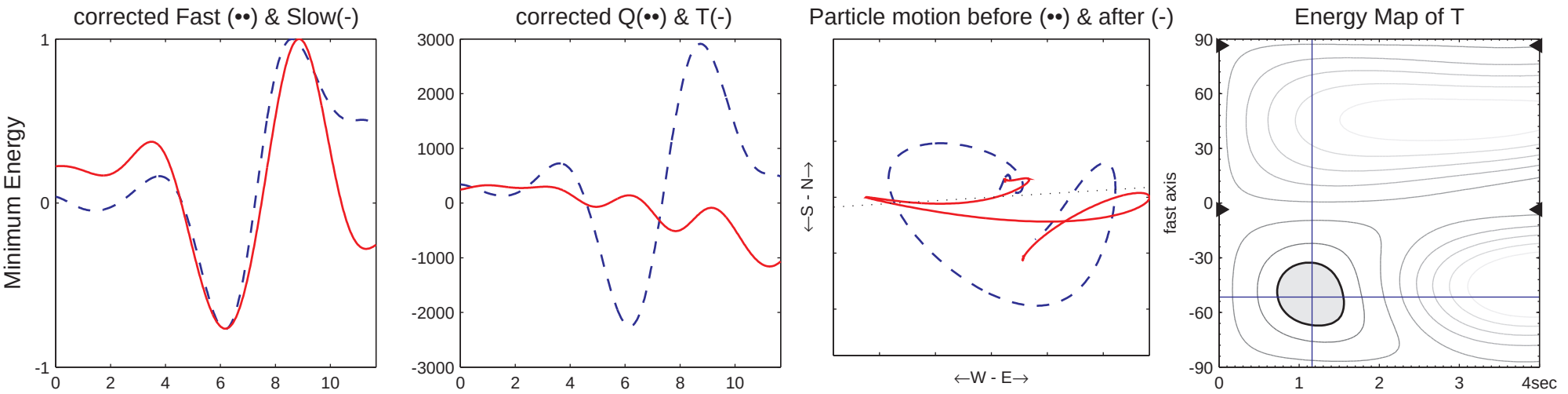
Rotation Correlation:	-53<	-37° <	-22	0.9<1.2s<1.4
Minimum Energy:	-70<	-52° <	-35	0.7<1.2s<1.6
Eigenvalue:	-54<	-28° <	-3	0.8<1.1s<1.5

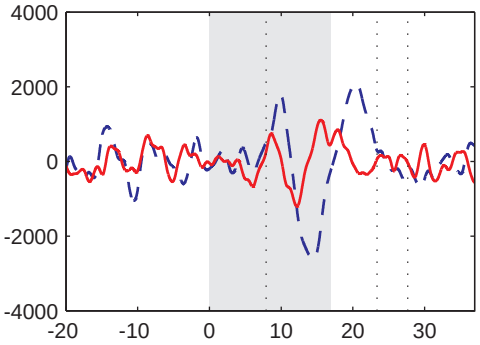
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



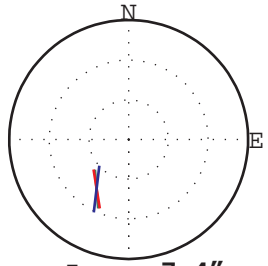




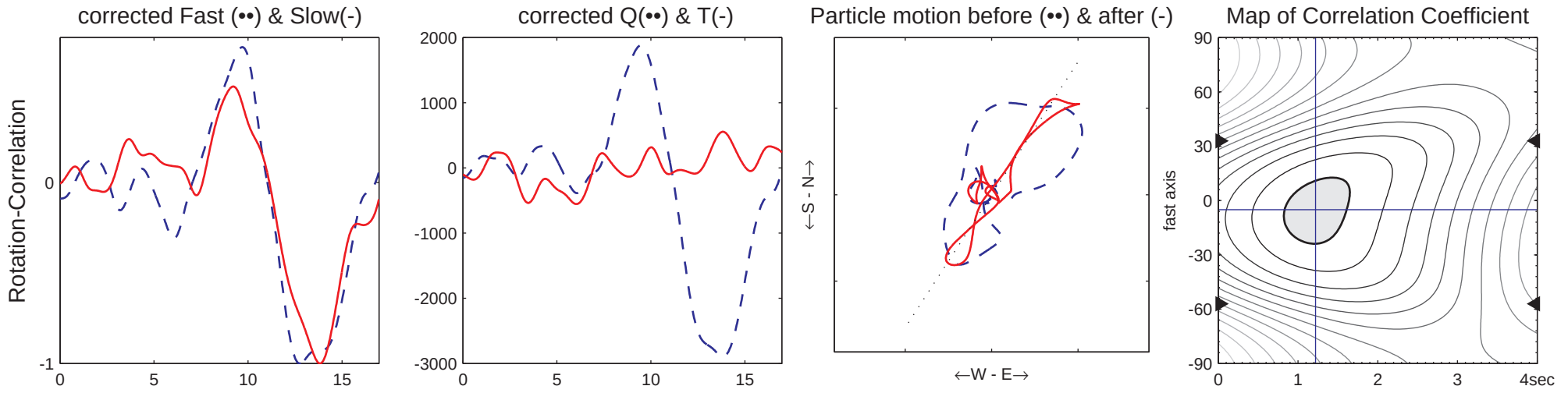
Event: **28-Feb-2007 (059) 23:13 -55.17N -29.18E 35km** Mw=**6.2**
Station: **KOZT** Backazimuth: **213.0”** Distance: **107.94”**
init.Pol.: **41.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.5**

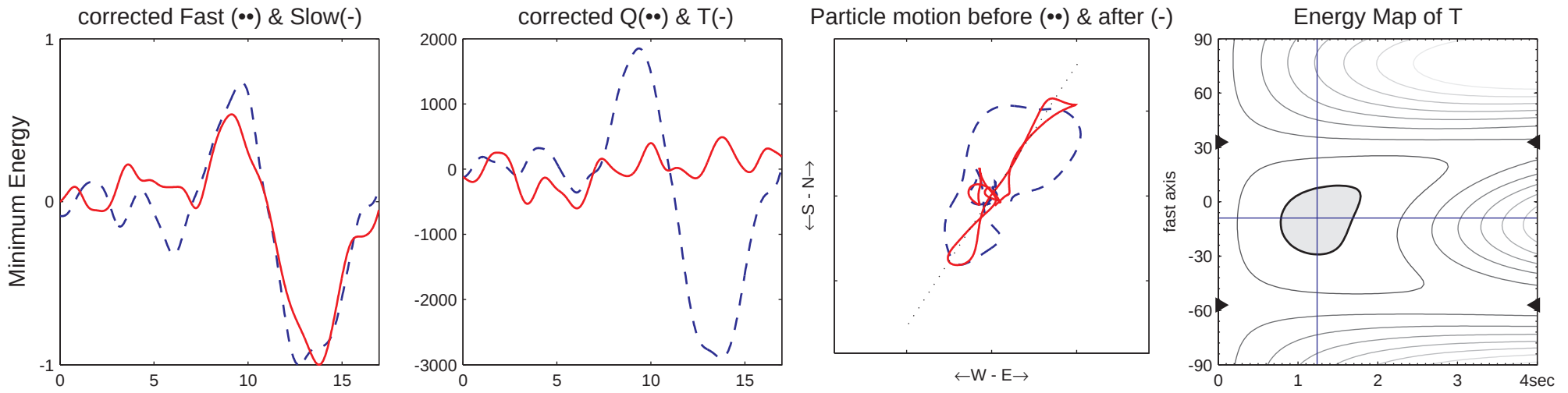
Rotation Correlation:	-25<	-5° <	12	0.8<1.2s<1.6
Minimum Energy:	-31<	-9° <	7	0.8<1.2s<1.8
Eigenvalue:	-27<	7° <	31	0.8<1.5s<2.5

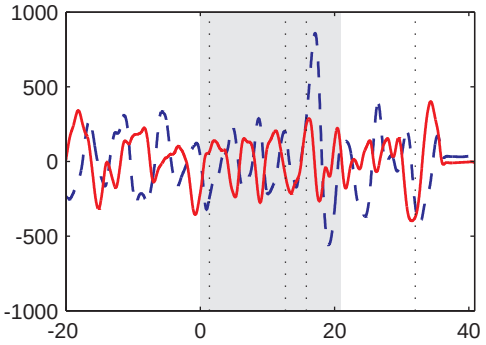
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.4”**



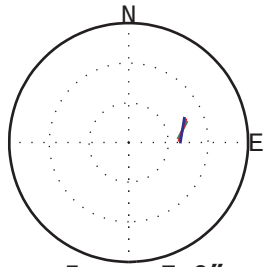


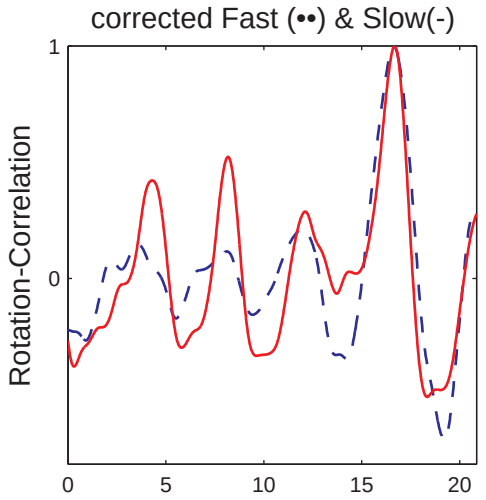


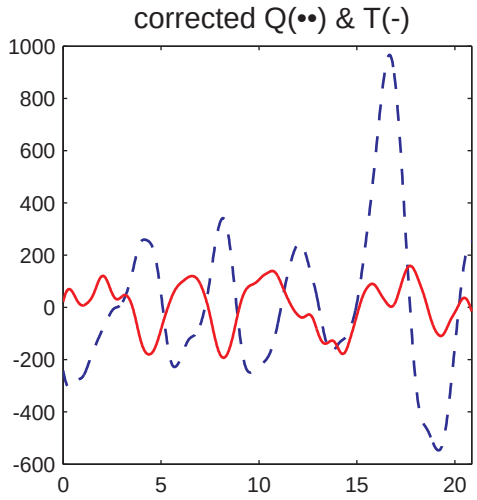
Event: **18-Jun-2007 (169) 06:18 -3.57N 150.95E 25km Mw=6.3**
Station: **KOZT** Backazimuth: **77.0”** Distance: **111.97”**
init.Pol.: **250.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.3**

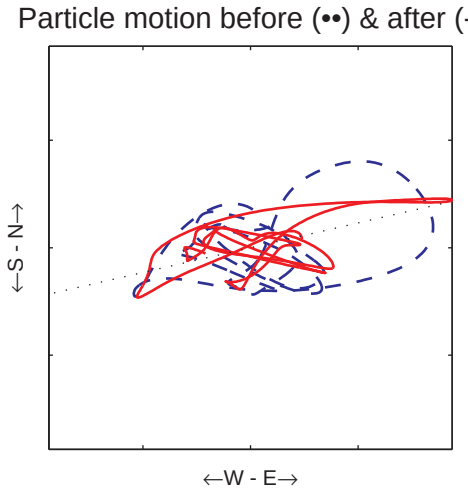
Rotation Correlation:	12<	27° <	46	0.4<0.6s<0.9
Minimum Energy:	3<	17° <	39	0.4<0.8s<1.1
Eigenvalue:	-11<	9° <	43	0.4<0.8s<1.3

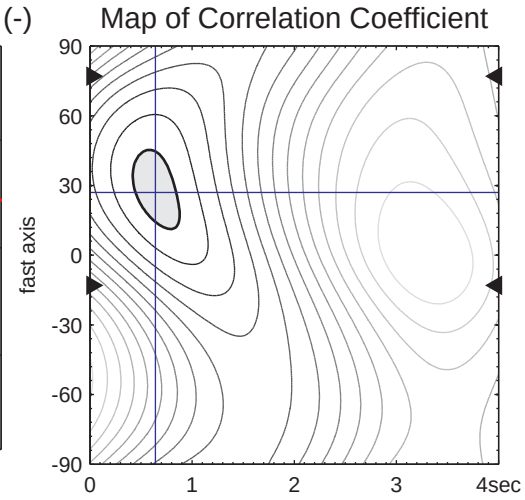
Quality: **fair** IsNull: **No** Phase: **SKS**

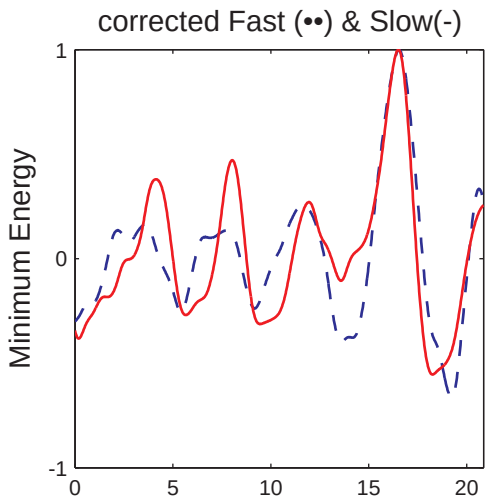


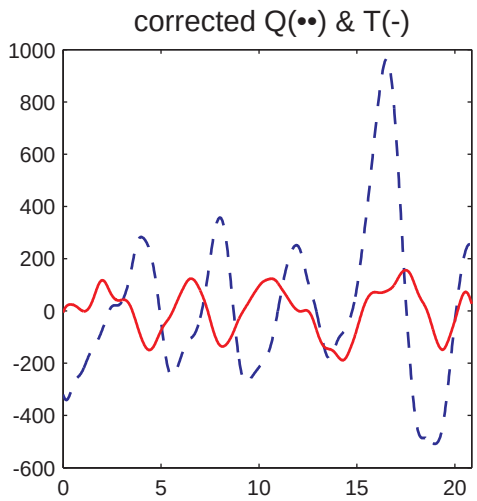


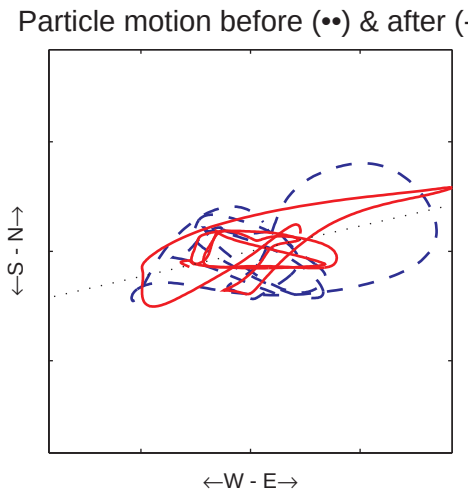


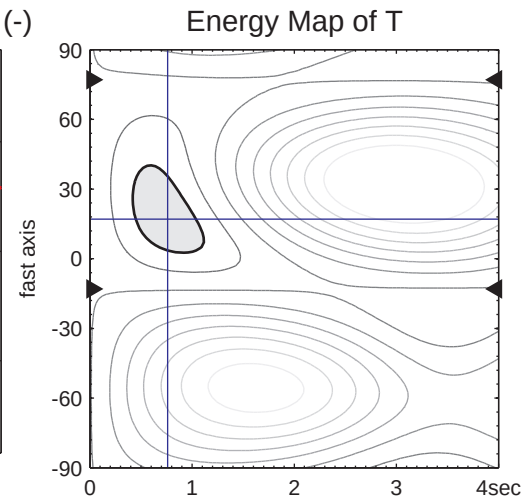


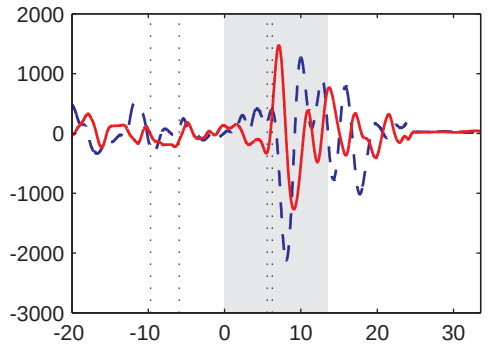








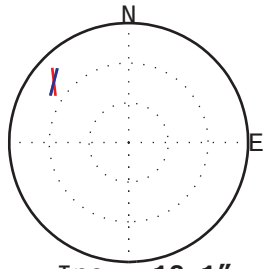




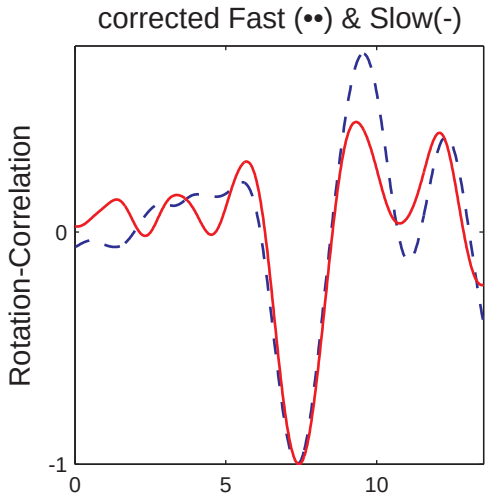
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **KOZT** Backazimuth: **309.0”** Distance: **108.44”**
init.Pol.: **146.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.2**

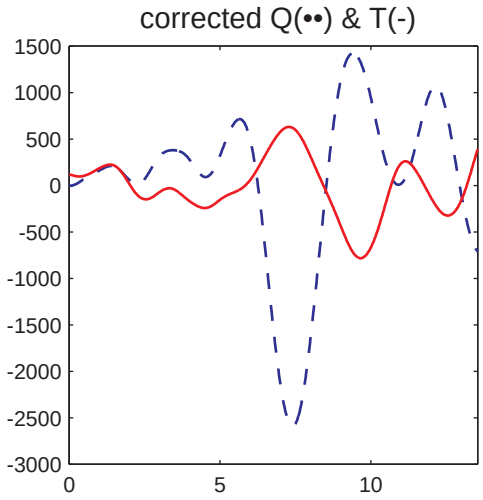
Rotation Correlation:	3<	13° <	25	0.8<0.9s<1.0
Minimum Energy:	-17<	-7° <	1	0.7<0.9s<1.0
Eigenvalue:	-1<	15° <	31	0.8<0.9s<1.0

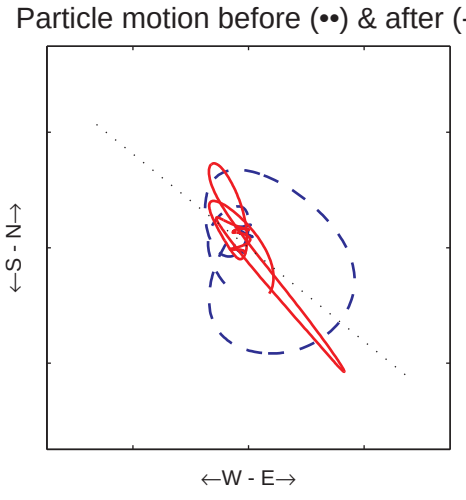
Quality: **fair** IsNull: **No** Phase: **SKKS**

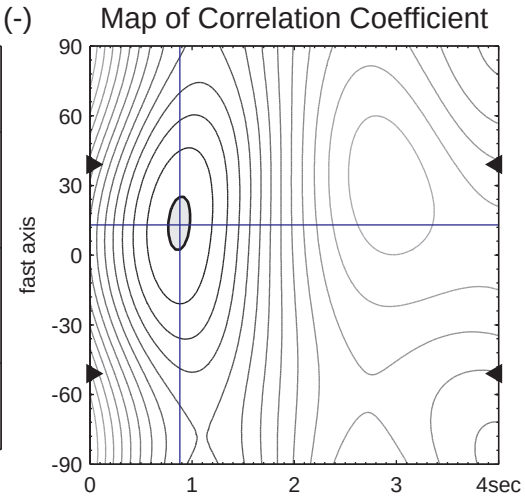


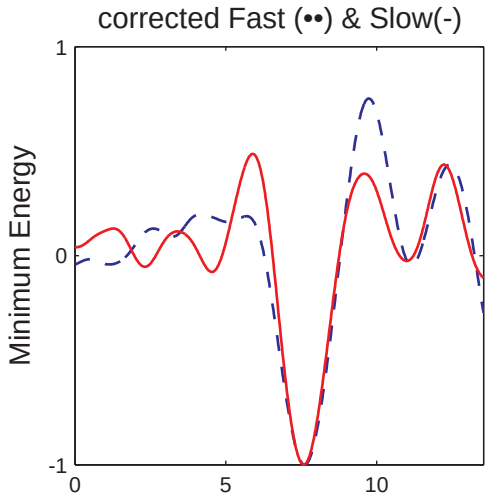
Inc = **12.1”**

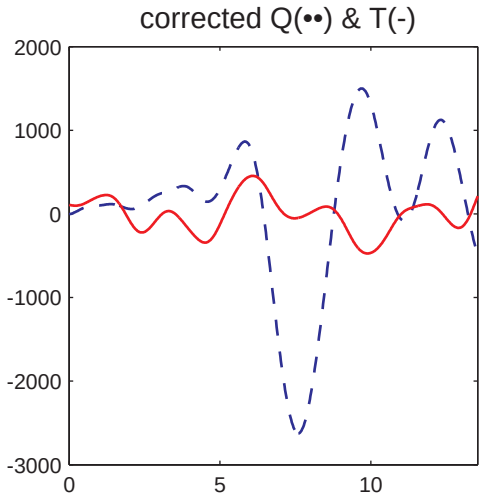


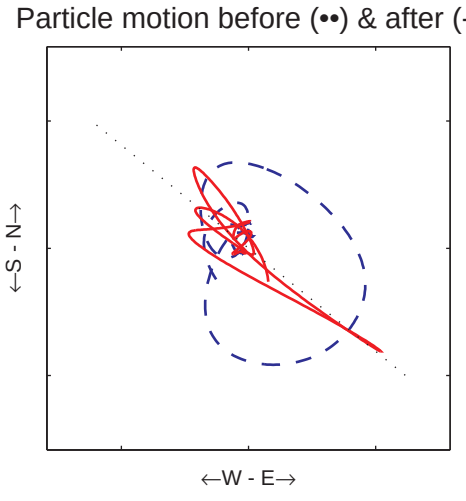


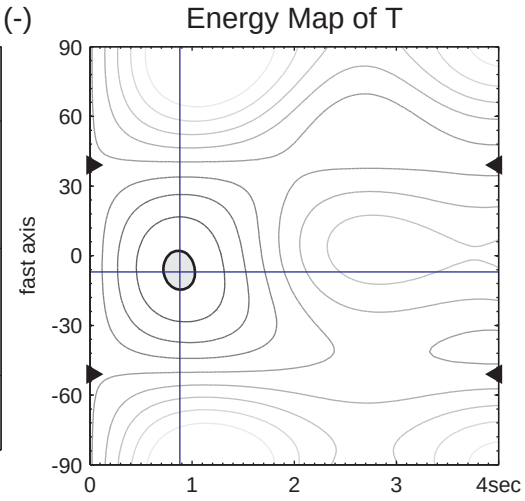


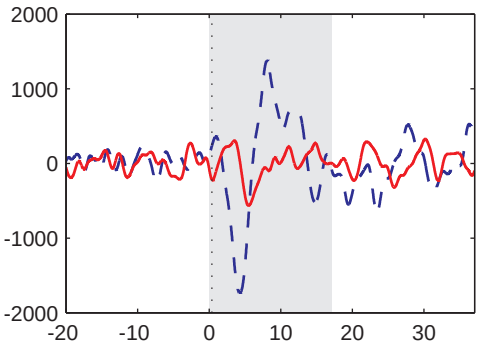








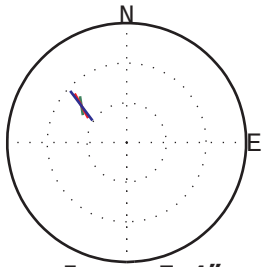


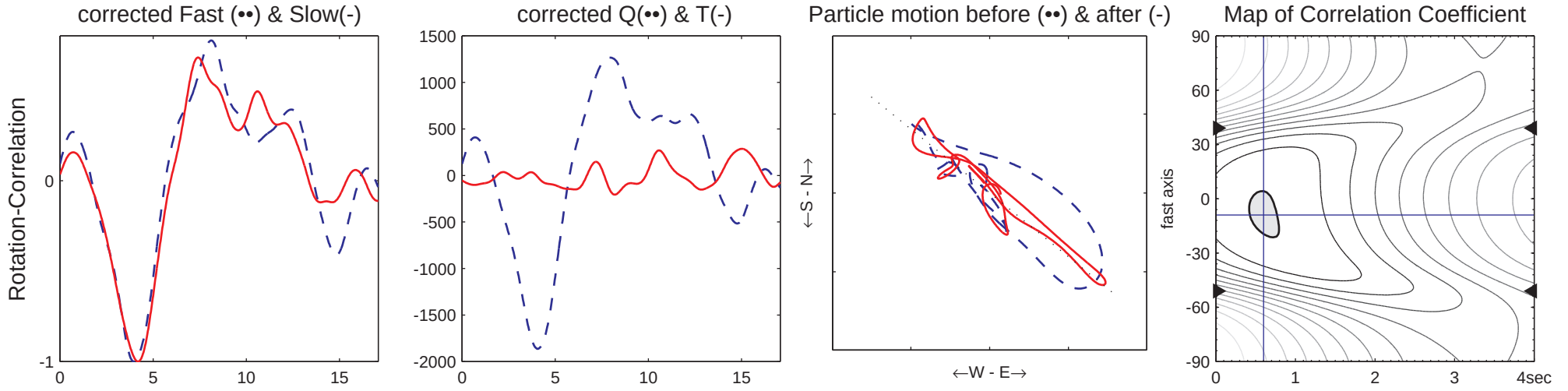


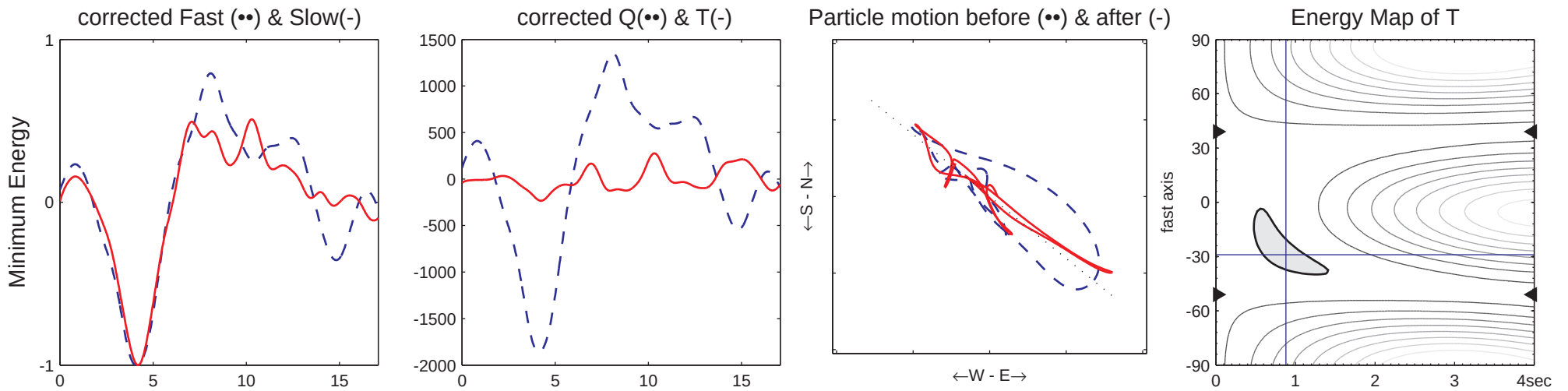
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **KOZT** Backazimuth: **309.0”** Distance: **108.44”**
init.Pol.: **125.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.0**

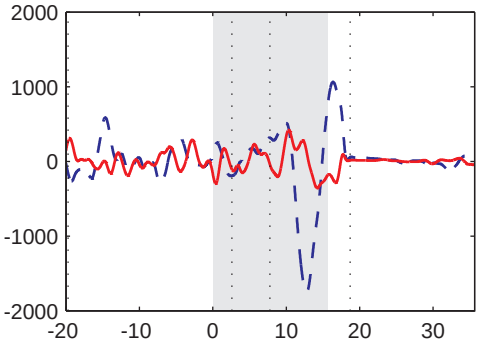
Rotation Correlation:	-23<	-9° <	4	0.4<0.6s<0.8
Minimum Energy:	-41<	-29° <	-5	0.5<0.9s<1.4
Eigenvalue:	-50<	-37° <	-17	0.6<1.2s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





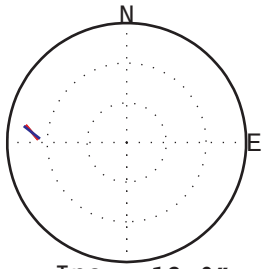


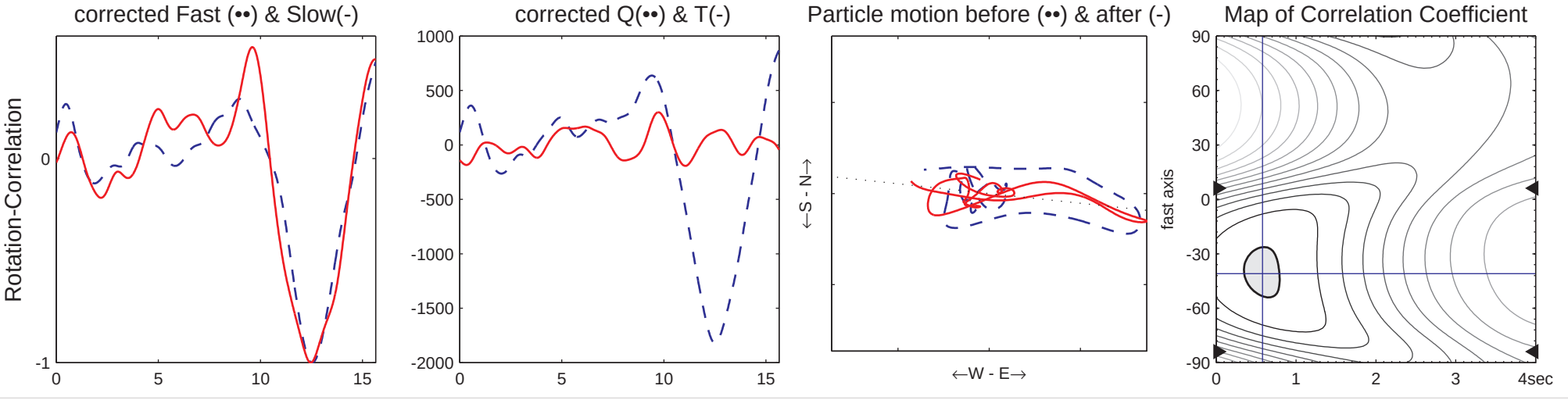


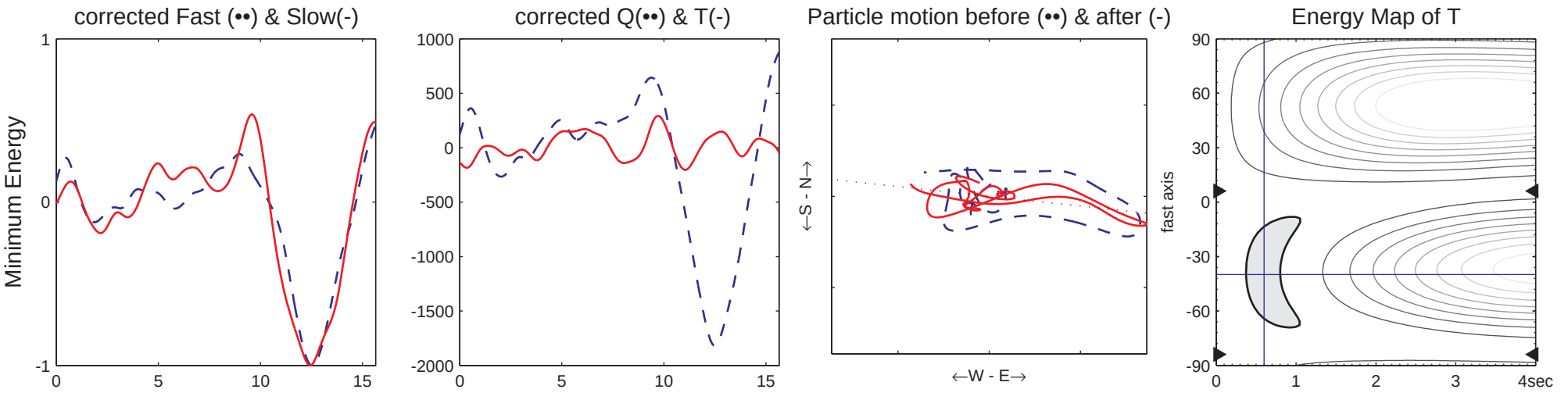
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **KOZT** Backazimuth: **276.1”** Distance: **110.84”**
init.Pol.: **94.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.9**

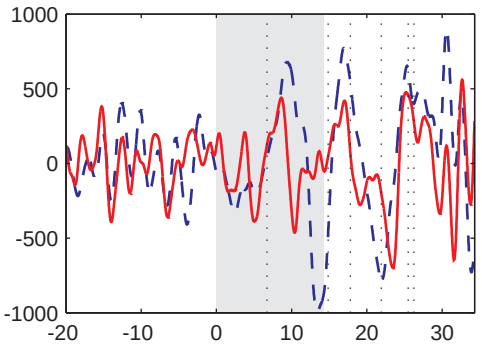
Rotation Correlation:	-55<	-41° <	-28	0.4<0.6s<0.8
Minimum Energy:	-72<	-40° <	-11	0.4<0.6s<1.0
Eigenvalue:	-76<	-52° <	3	0.4<0.6s<1.6

Quality: **fair** IsNull: **No** Phase: **SKKS**





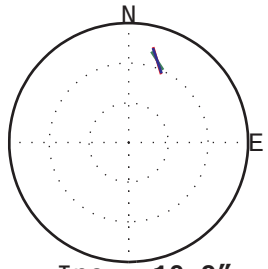




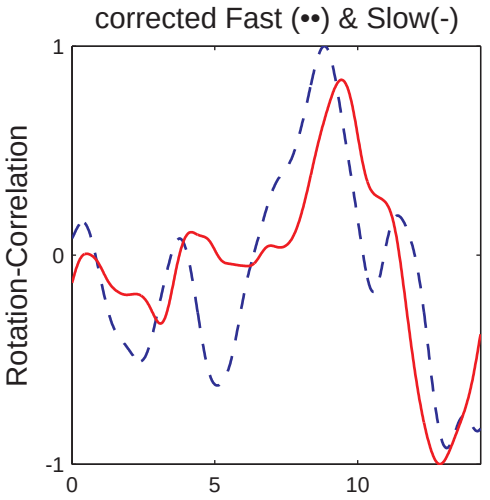
Event: **13-Jul-2007 (194) 21:54 51.78N -176.24E 35km Mw=6.0**
Station: **KOZT** Backazimuth: **19.2”** Distance: **86.45”**
init.Pol.: **197.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.1**

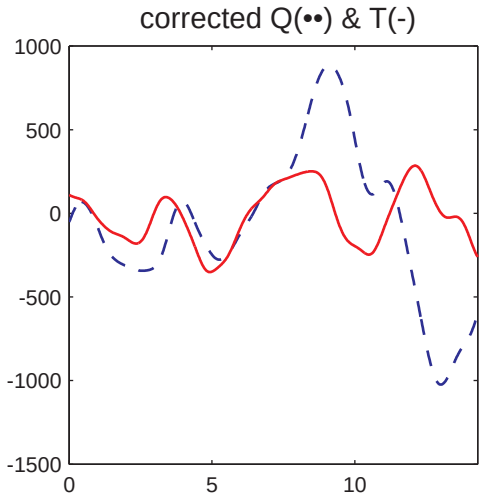
Rotation Correlation:	-44<	-33° <	-23	0.4<0.7s<0.9
Minimum Energy:	-46<	-17° <	3	0.4<0.9s<1.5
Eigenvalue:	-52<	-19° <	5	0.4<0.8s<1.5

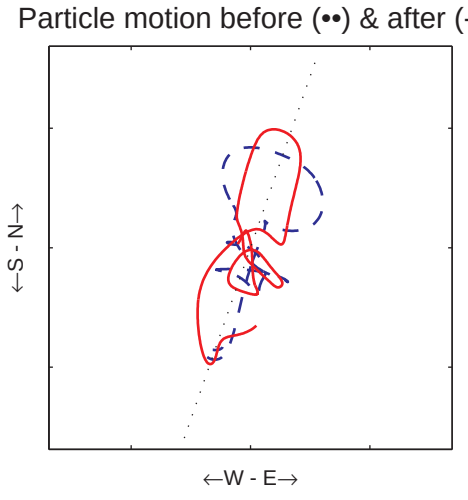
Quality: **fair** IsNull: **No** Phase: **SKS**

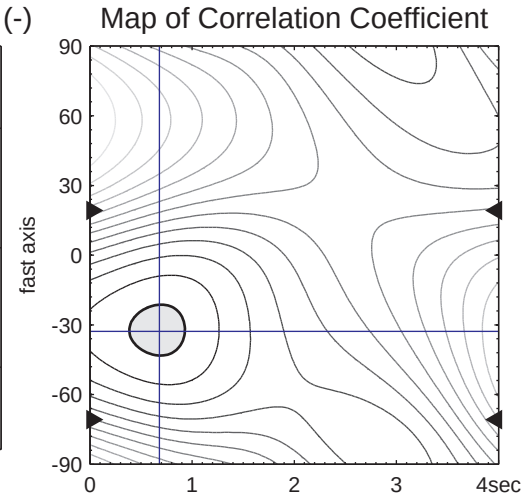


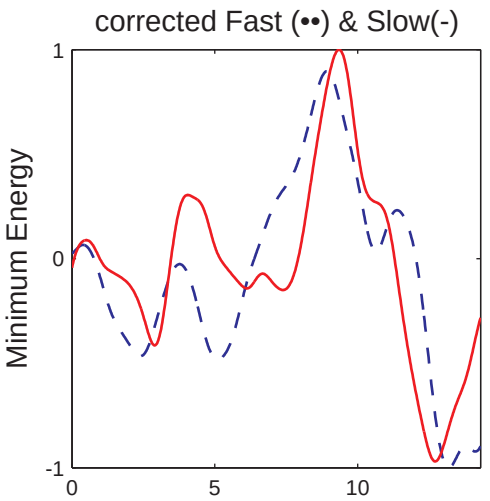
Inc = **10.9”**

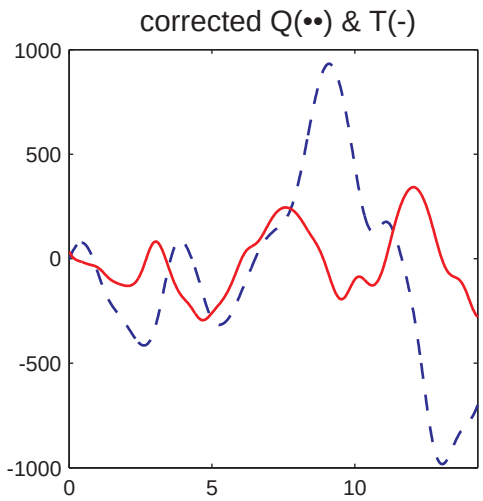


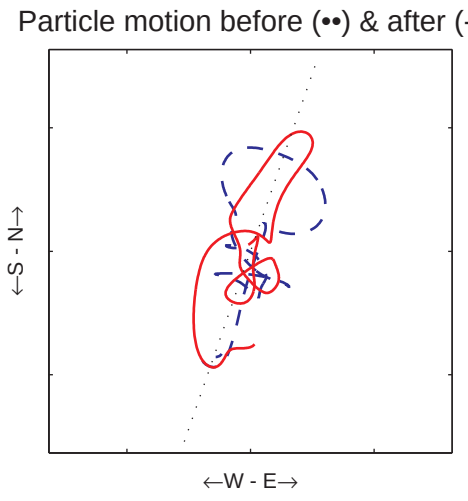


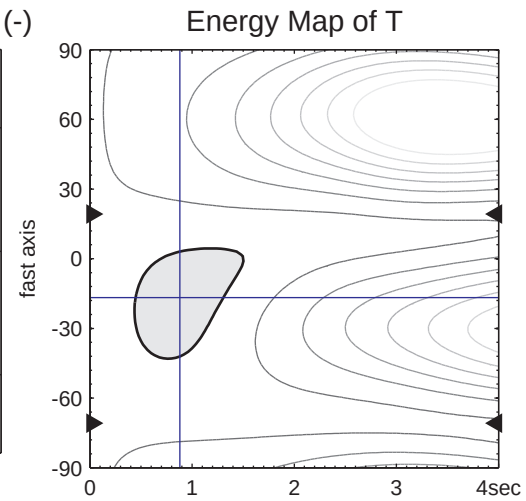


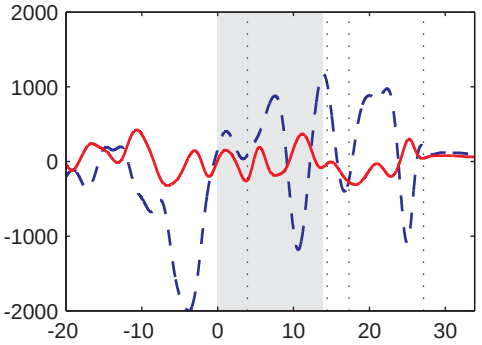








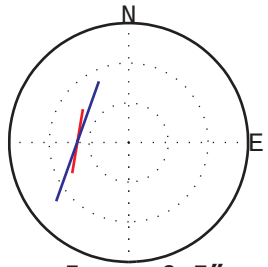


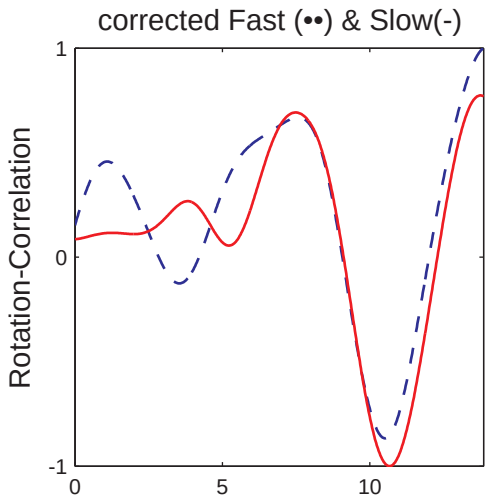


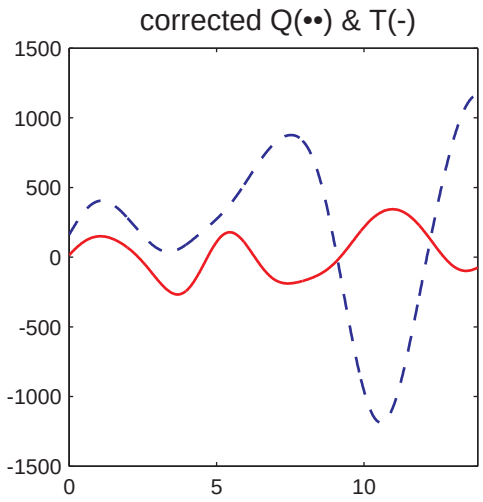
Event: **16-Aug-2007 (228) 05:16 -14.28N -76.13E 23km Mw=6.3**
Station: **KOZT** Backazimuth: **271.6”** Distance: **115.95”**
init.Pol.: **119.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

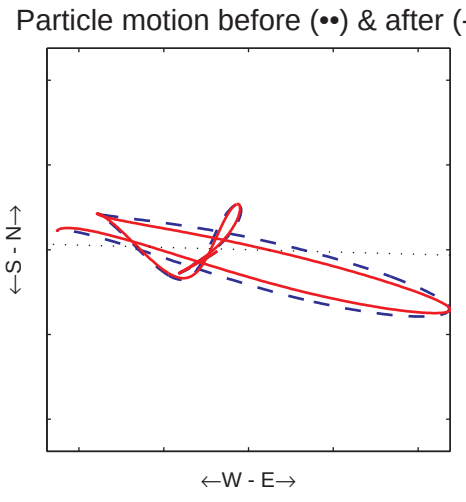
Rotation Correlation:	41<	57° <	75	0.0<0.1s<0.4
Minimum Energy:	3<	10° <	17	0.8<2.0s<3.2
Eigenvalue:	9<	20° <	27	3.4<4.0s<4.0

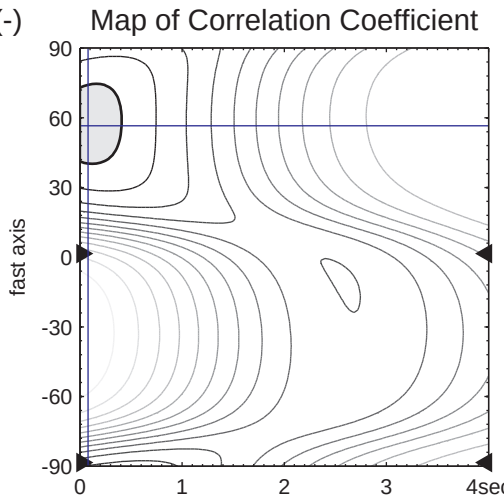
Quality: **good** IsNull: **Yes** Phase: **SKS**

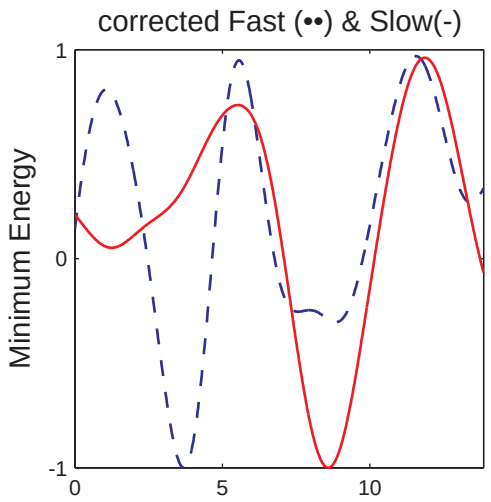


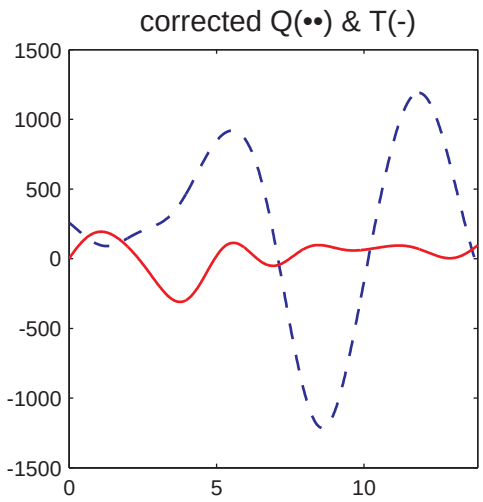


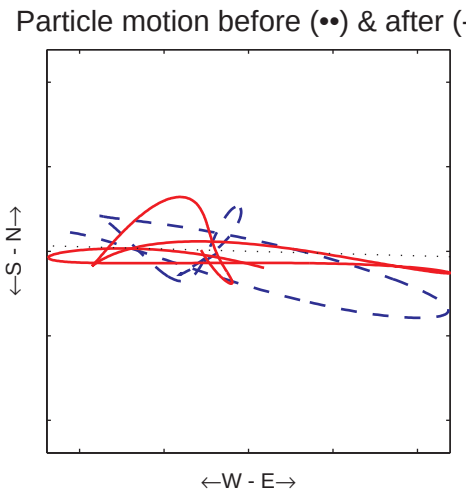


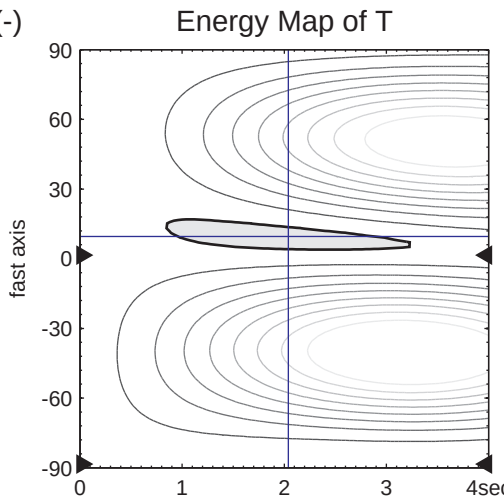


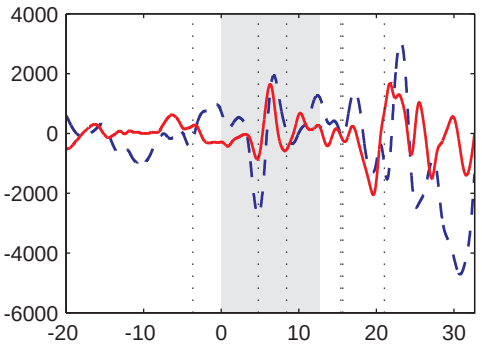








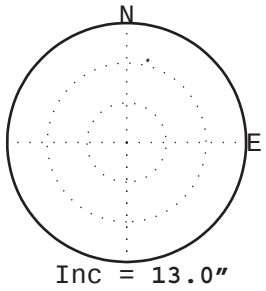


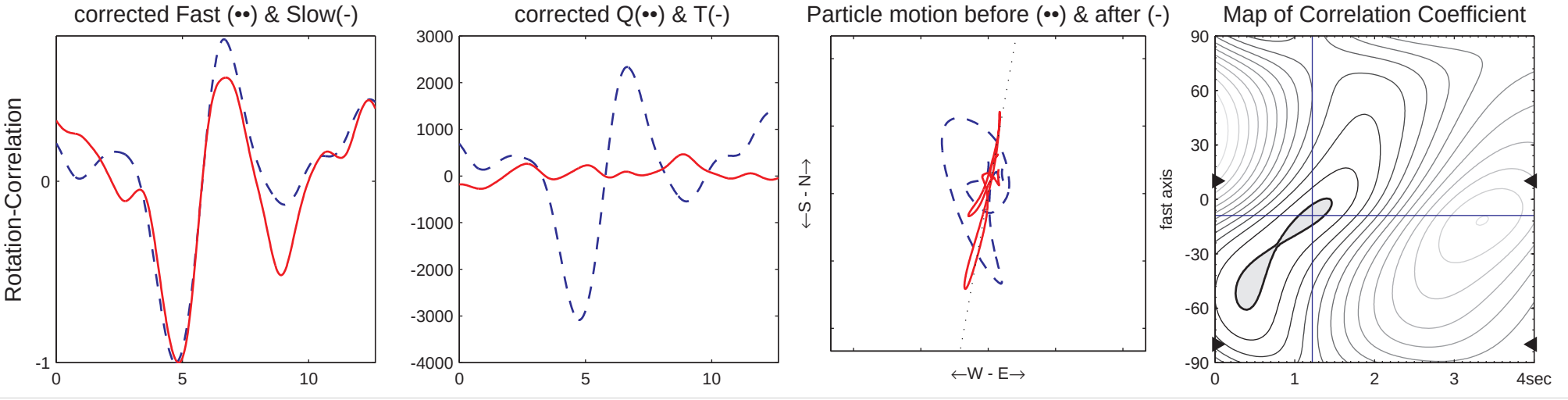


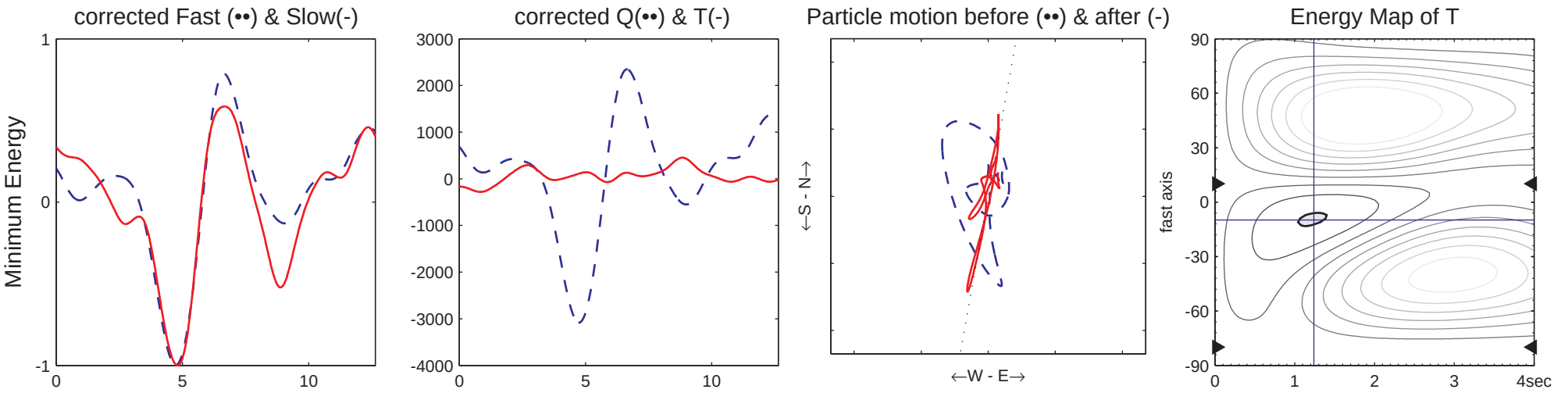
Event: 02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3
Station: KOZT Backazimuth: 10.1” Distance: 86.71”
init.Pol.: 193.2” Filter: 0.020Hz - 1.00Hz SNR_{SC}: 9.6

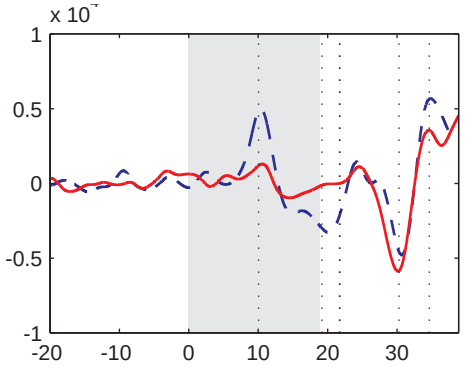
Rotation Correlation:	-62<	-9° <	-1	0.2<1.2s<1.5
Minimum Energy:	-15<	-10° <	-7	1.0<1.2s<1.4
Eigenvalue:	-15<	-8° <	-3	1.1<1.3s<1.5

Quality: **fair** IsNull: **No** Phase: **SKKS**





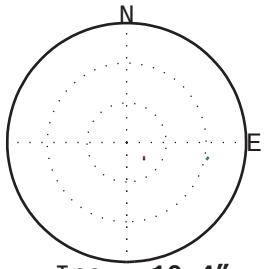




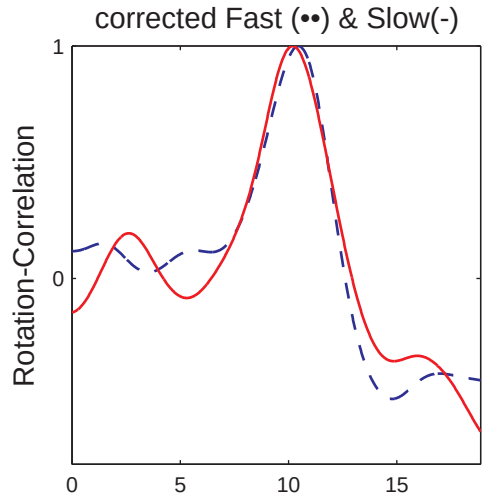
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **KOZT** Backazimuth: **101.1”** Distance: **89.19”**
init.Pol.: **277.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.8**

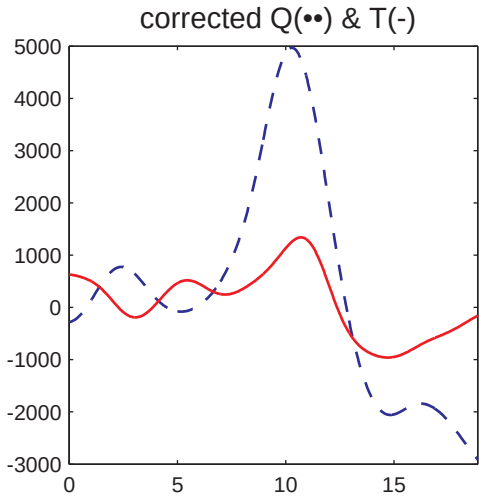
Rotation Correlation:	26<	40° <	56	0.0<0.1s<0.4
Minimum Energy:	-Inf<	-89° <	Inf	0.0<4.0s<Inf
Eigenvalue:	86<	89° <	-92	3.5<4.0s<4.0

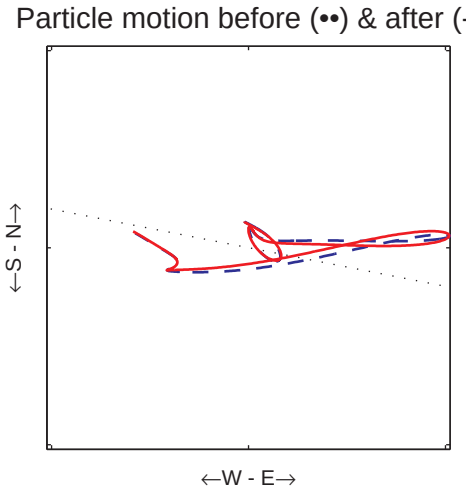
Quality: **good** IsNull: **Yes** Phase: **SKS**

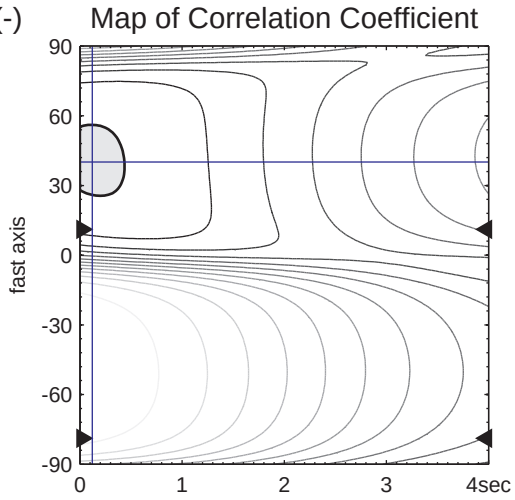


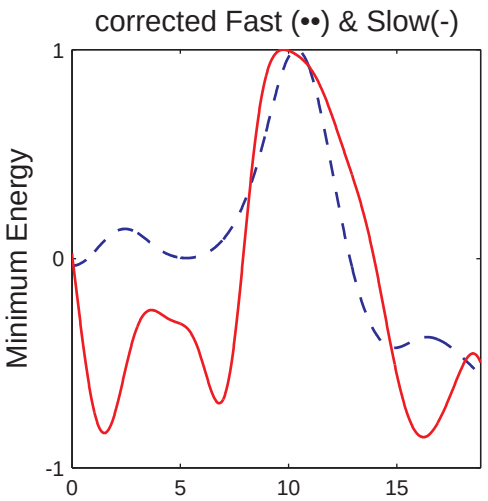
Inc = **10.4”**

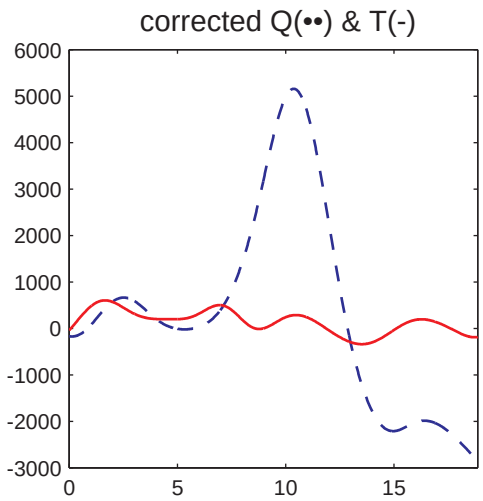


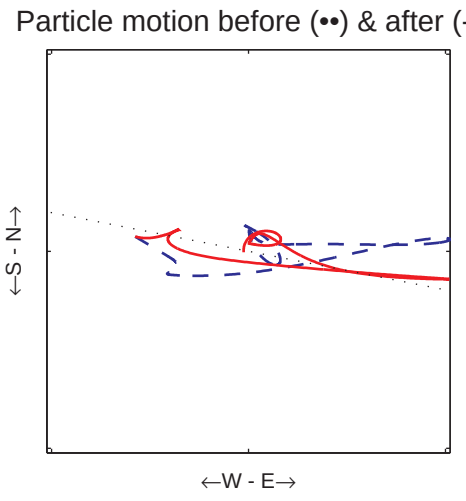


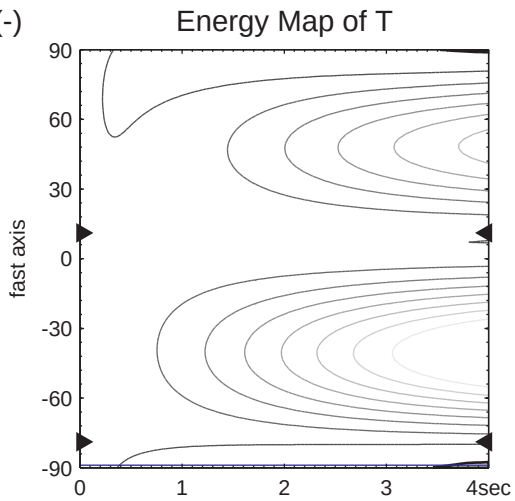


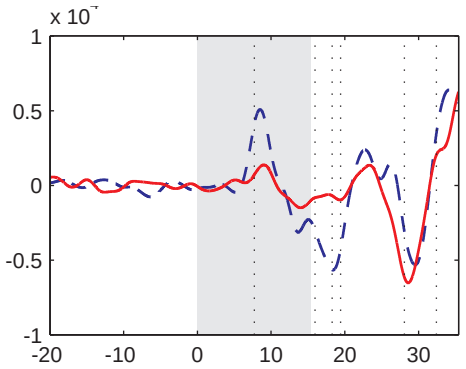








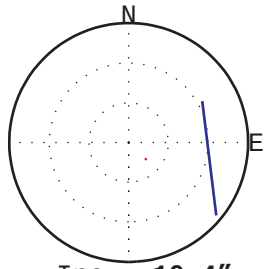




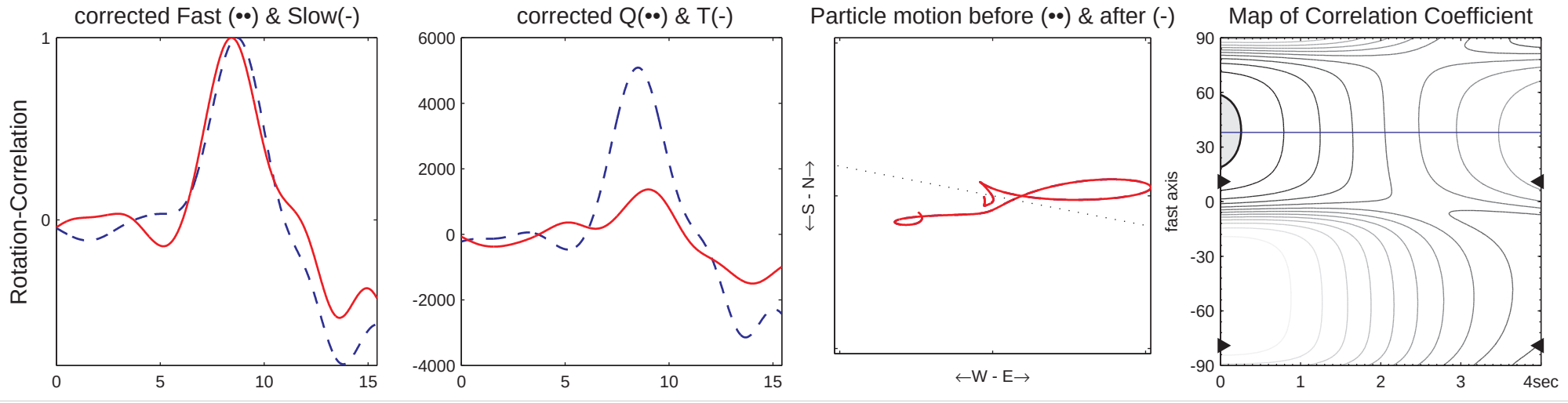
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **KOZT** Backazimuth: **101.0”** Distance: **89.22”**
init.Pol.: **259.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

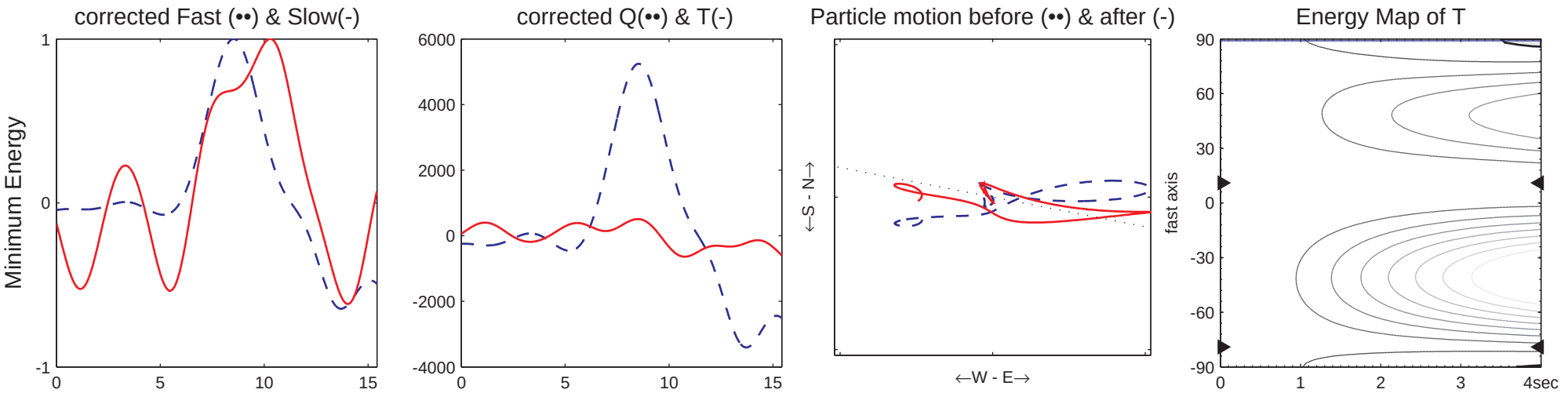
Rotation Correlation:	19<	38° <	59	0.0<0.0s<0.2
Minimum Energy:	86<	89° <	-90	3.5<4.0s<4.0
Eigenvalue:	-13<	-7° <	-5	2.0<3.6s<4.0

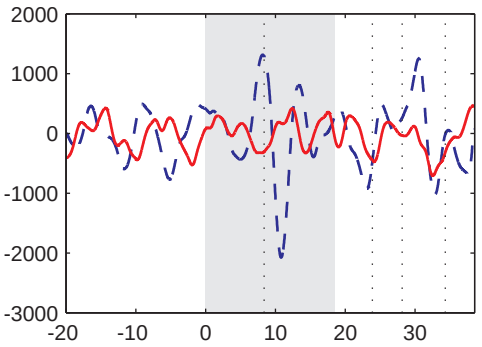
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.4”**



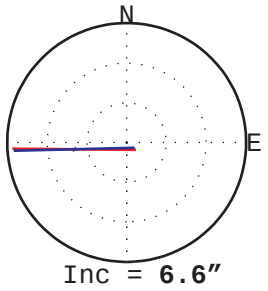


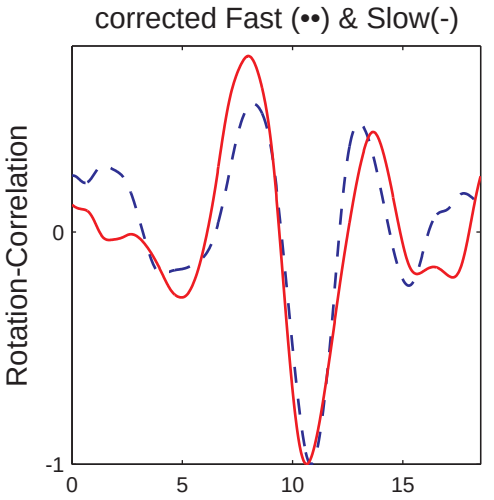


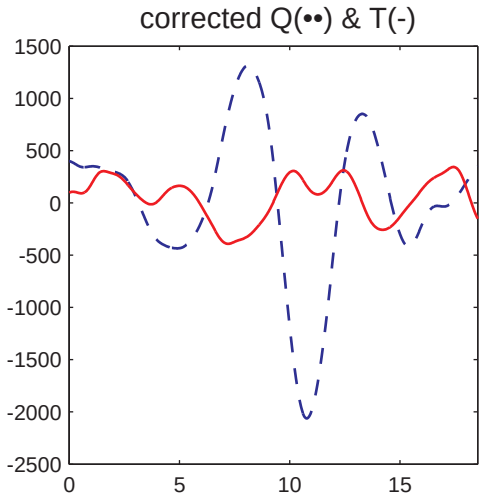
Event: **04-Feb-2008 (035) 17:01 -20.17N -70.04E 35km Mw=6.3**
Station: **KOZT** Backazimuth: **262.6”** Distance: **114.42”**
init.Pol.: **78.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.6**

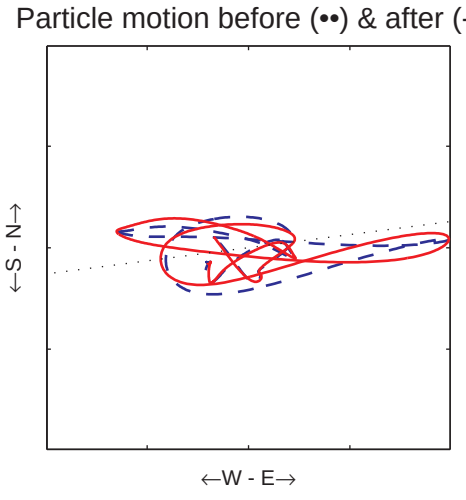
Rotation Correlation:	36<	46° <	58	0.0<0.2s<0.3
Minimum Energy:	-Inf<	-89° <	Inf	0.0<3.9s<Inf
Eigenvalue:	82<	89° <	-88	3.4<3.8s<4.0

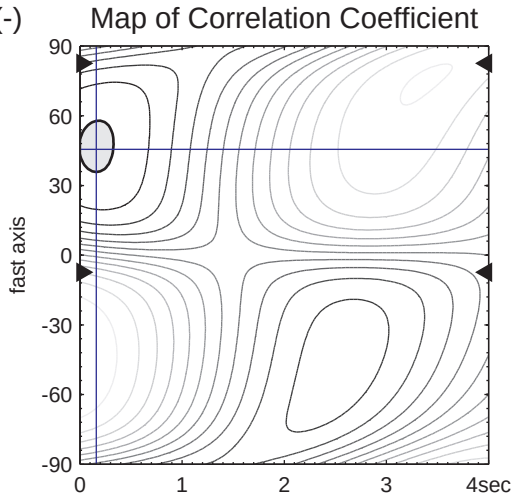
Quality: **good** IsNull: **Yes** Phase: **SKS**

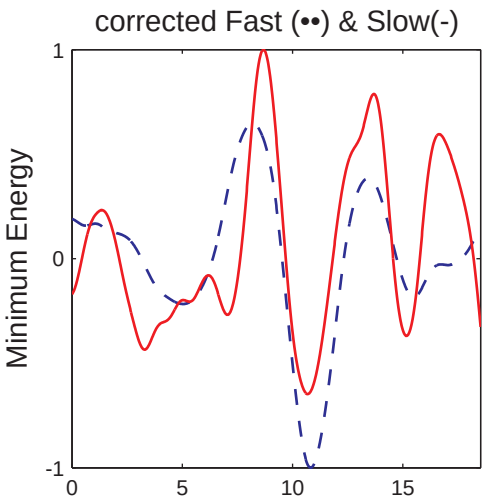


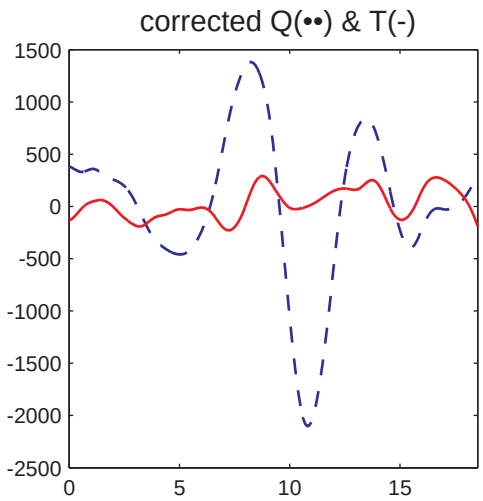


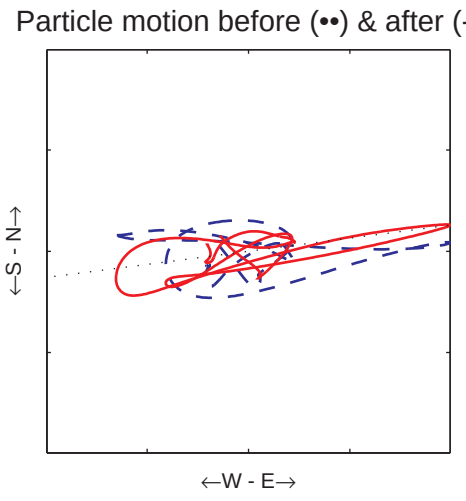


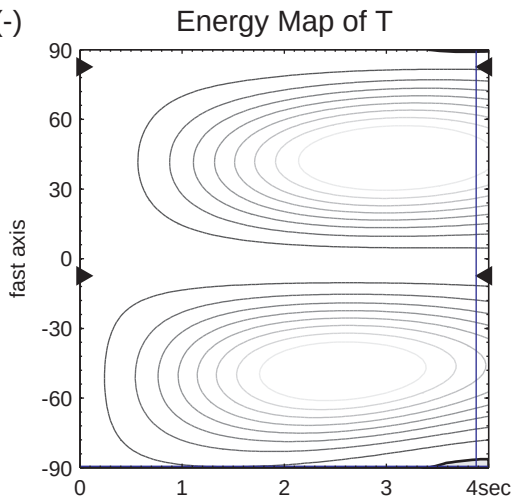


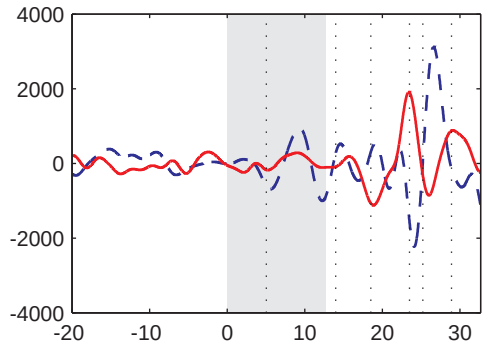








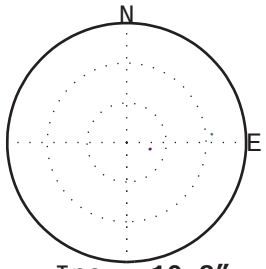




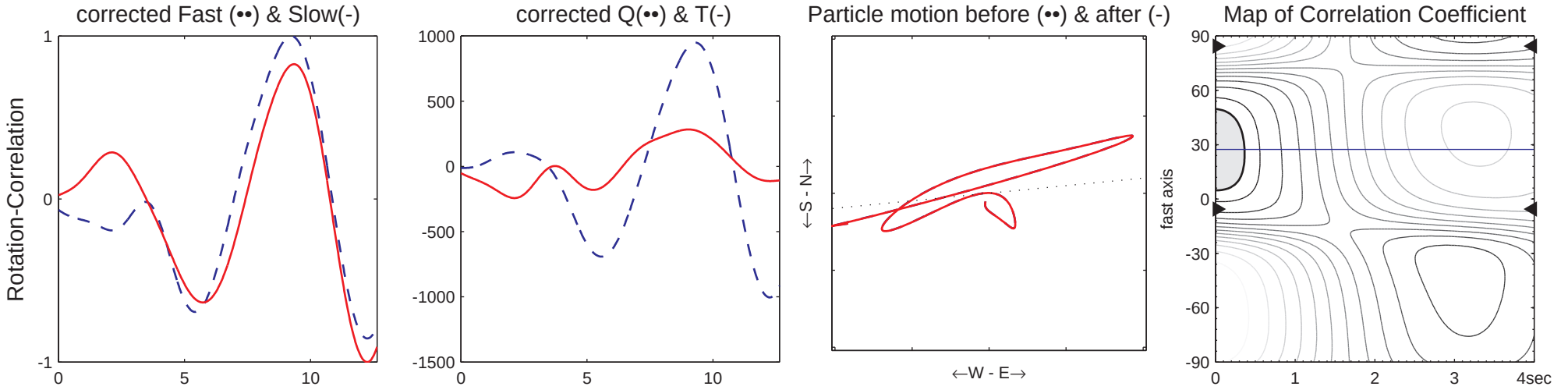
Event: **20-Mar-2008 (080) 14:10 6.19N 126.93E 45km Mw=6.1**
Station: **KOZT** Backazimuth: **84.4”** Distance: **87.11”**
init.Pol.: **263.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

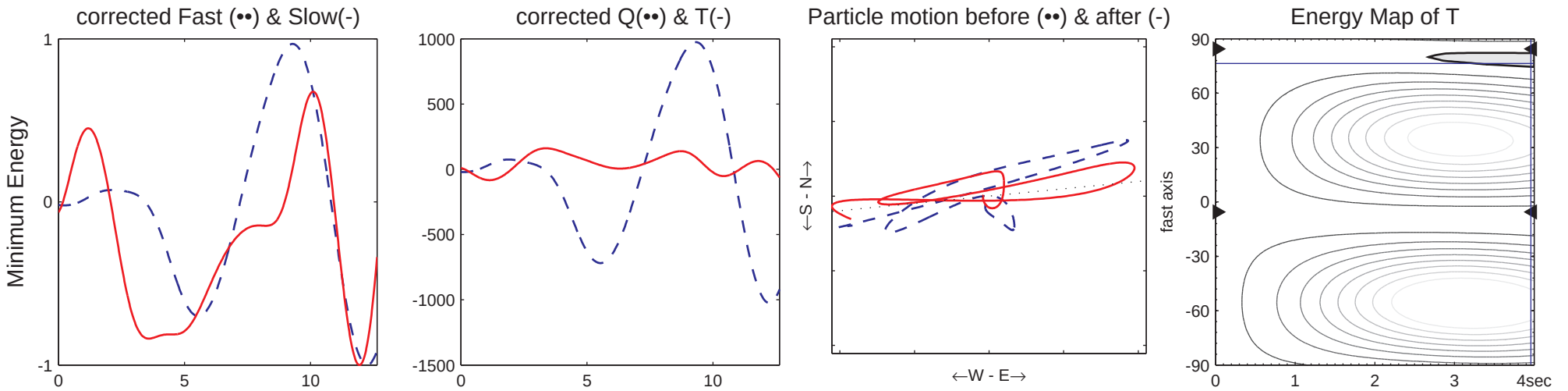
Rotation Correlation:	5<	27° <	50	0.0<0.0s<0.4
Minimum Energy:	74<	76° <	82	2.7<4.0s<4.0
Eigenvalue:	68<	76° <	86	2.5<4.0s<4.0

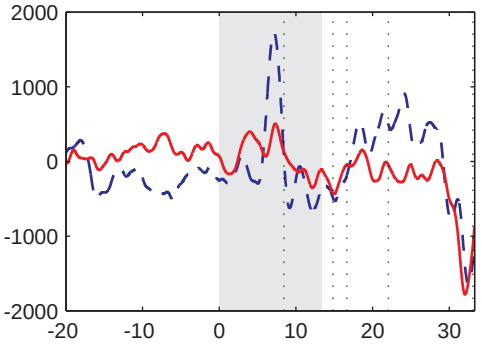
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.8”**



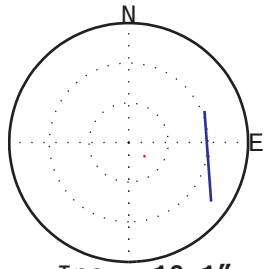




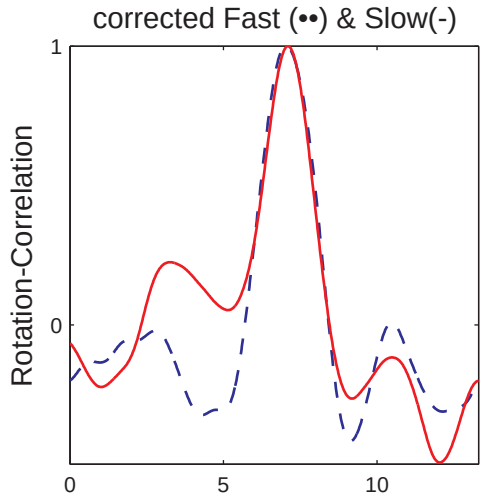
Event: **03-Jun-2008 (155) 22:04 -8.10N 120.23E 14km Mw=6.0**
Station: **KOZT** Backazimuth: **99.8”** Distance: **90.52”**
init.Pol.: **253.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

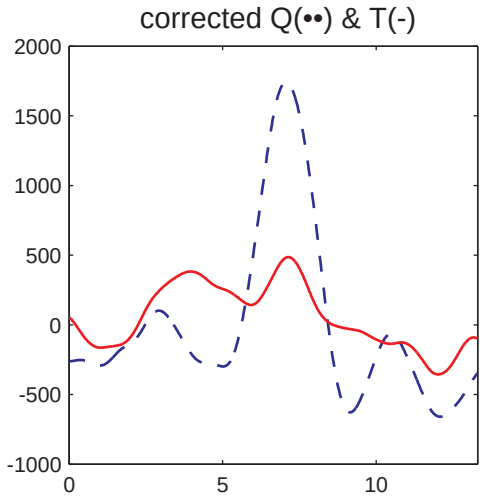
Rotation Correlation:	-71<	-50° < -31	0.0<0.1s<0.5
Minimum Energy:	-Inf<	90° < Inf	0.0<4.0s<Inf
Eigenvalue:	-13<	-4° < -1	2.4<2.8s<3.4

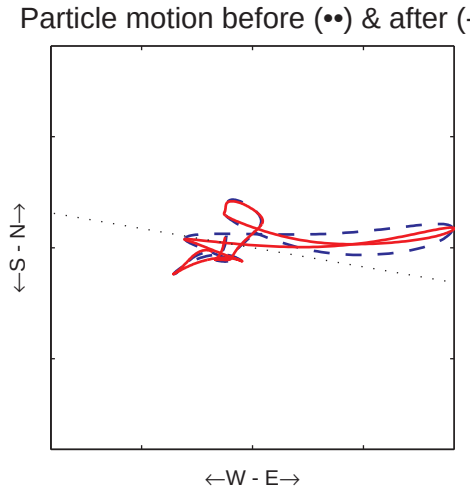
Quality: **good** IsNull: **Yes** Phase: **SKS**

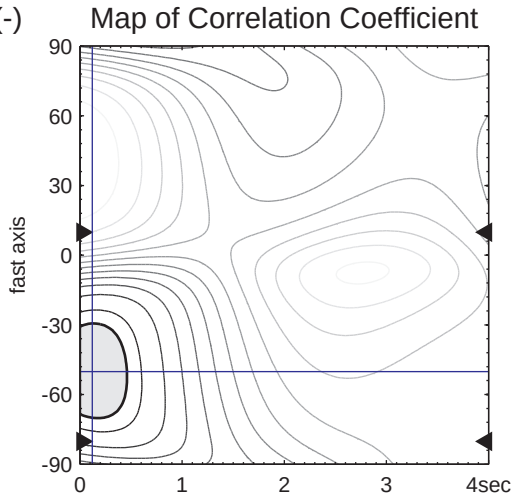


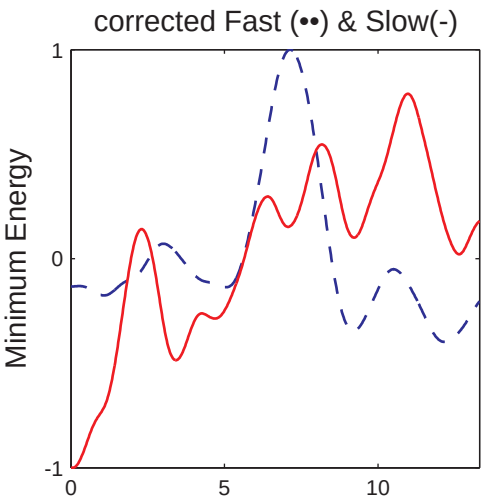
Inc = **10.1”**

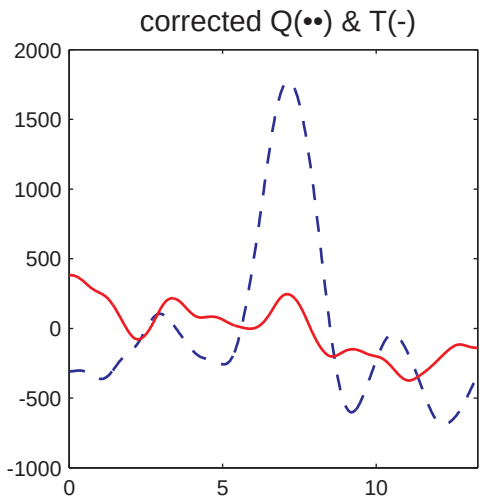


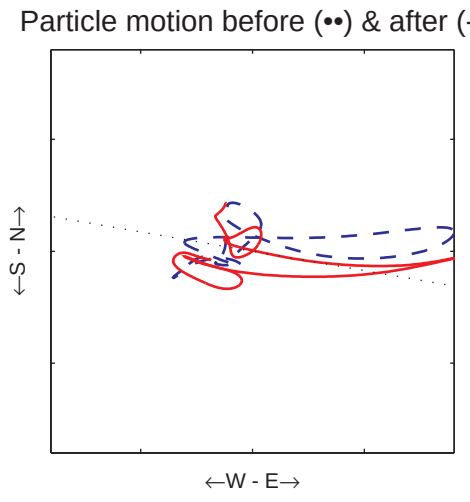


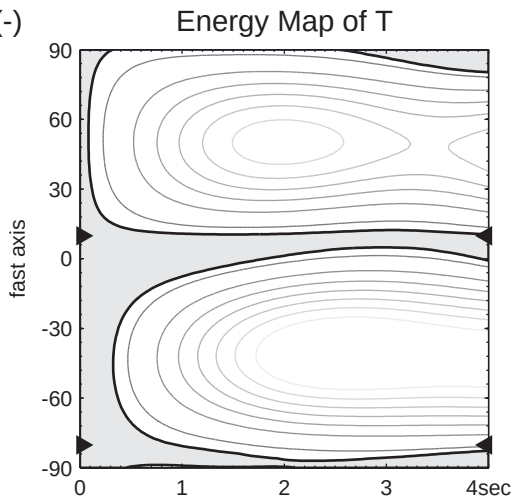


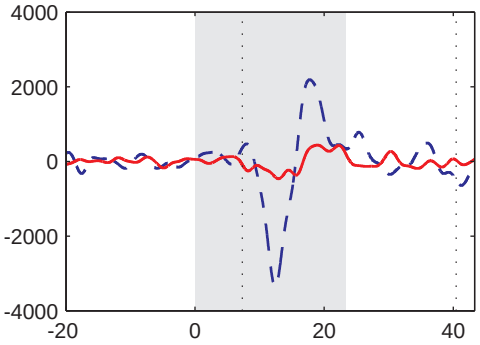








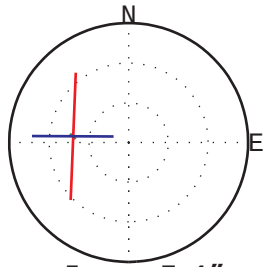




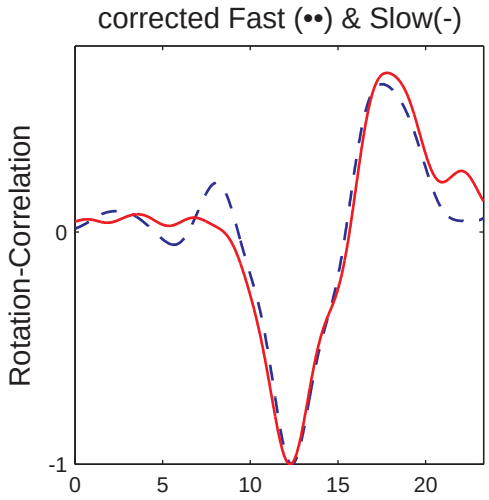
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **KOZT** Backazimuth: **276.3”** Distance: **110.64”**
init.Pol.: **84.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

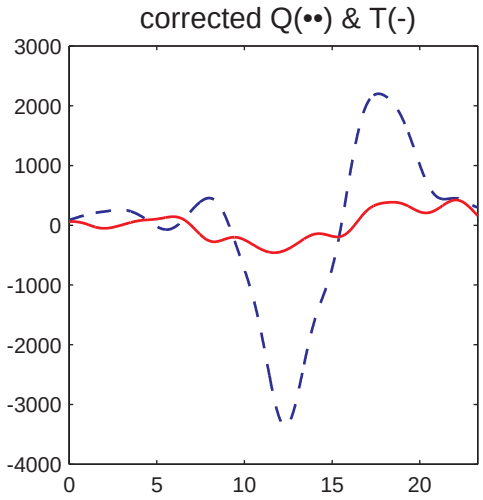
Rotation Correlation:	-66<	-48° < -31	0.0<0.2s<0.5
Minimum Energy:	-Inf<	2° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-90° < Inf	0.0<2.6s<Inf

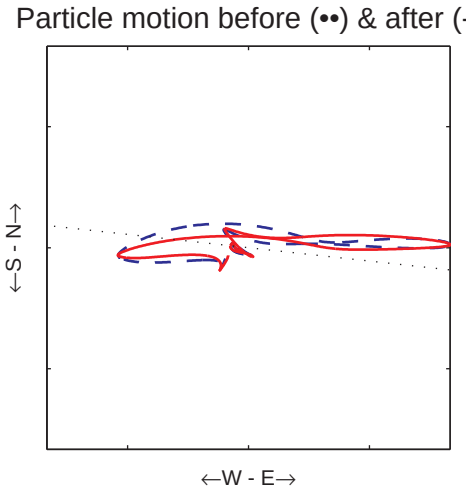
Quality: **good** IsNull: **Yes** Phase: **SKS**

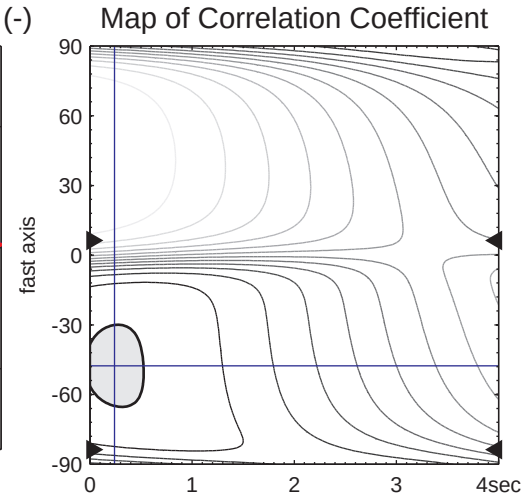


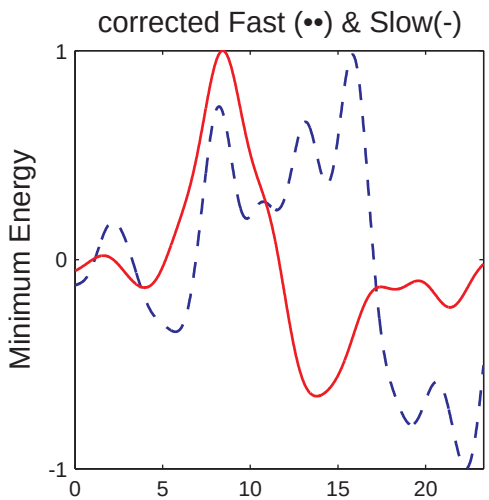
Inc = **7.1”**

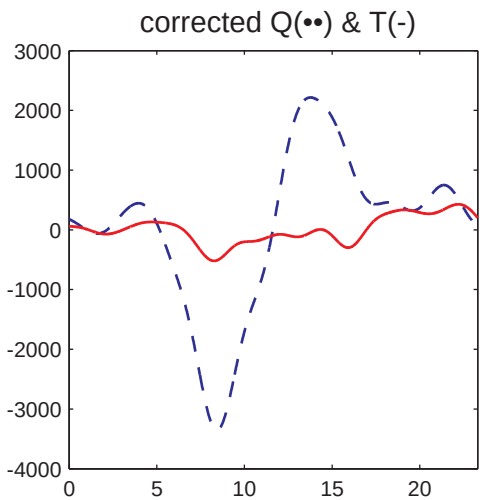


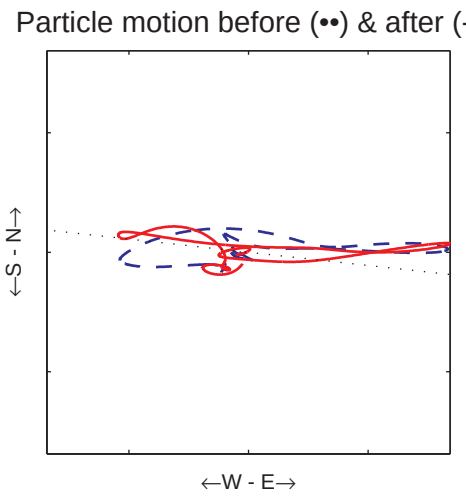


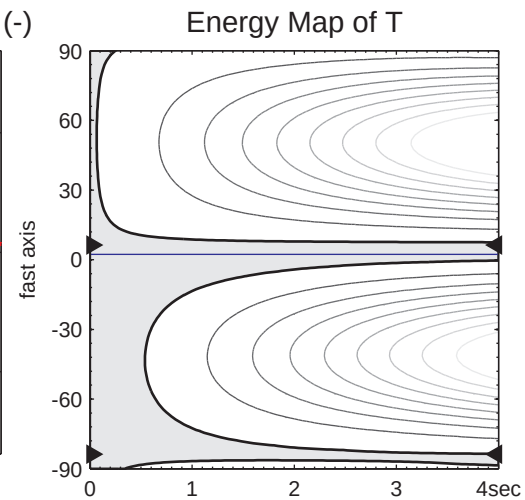


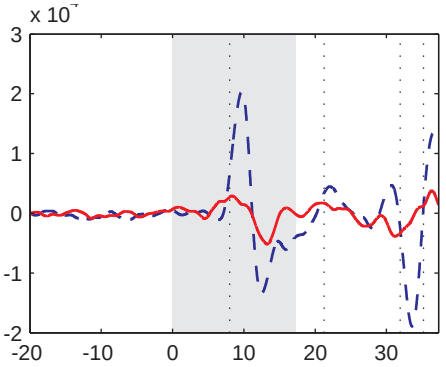








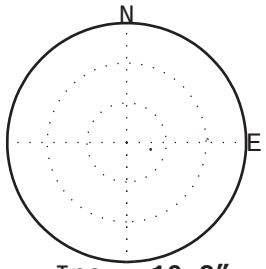


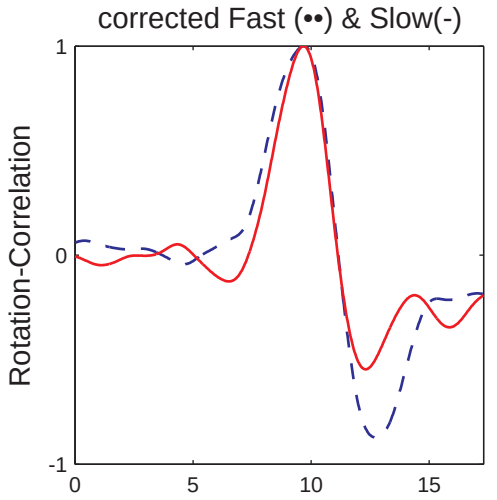


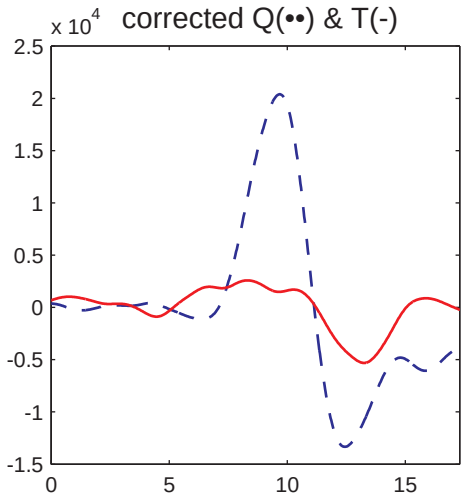
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **KOZT** Backazimuth: **87.6”** Distance: **90.07”**
init.Pol.: **267.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.1**

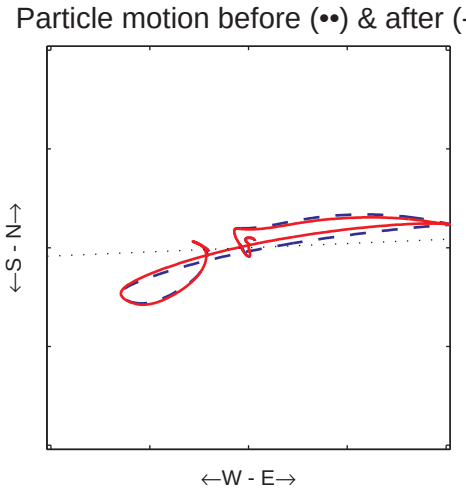
Rotation Correlation:	18<	33° <	49	0.0<0.1s<0.3
Minimum Energy:	78<	80° <	82	3.0<3.6s<4.0
Eigenvalue:	76<	80° <	84	3.0<3.6s<4.0

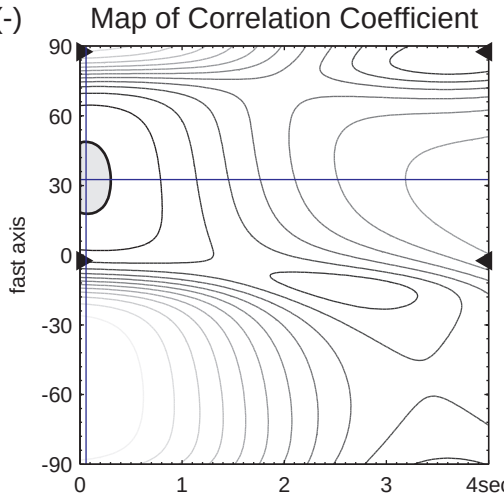
Quality: **good** IsNull: **Yes** Phase: **SKS**

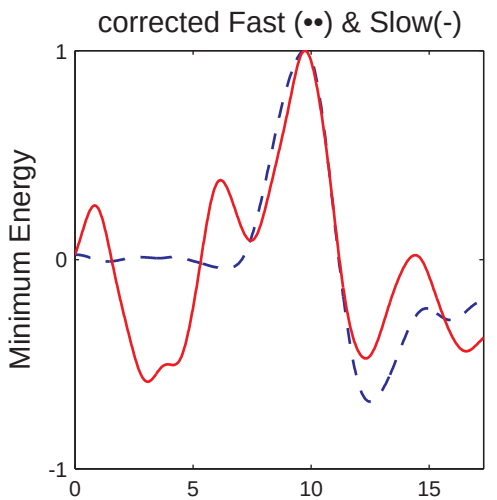


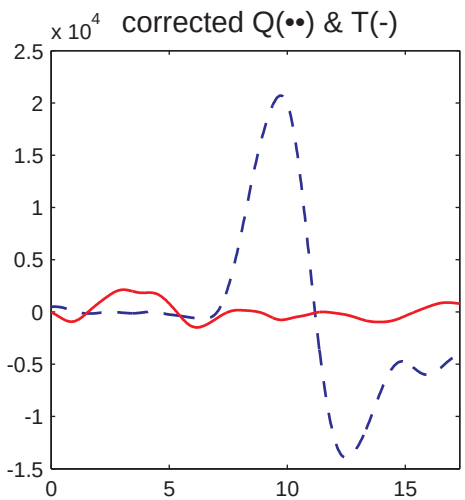


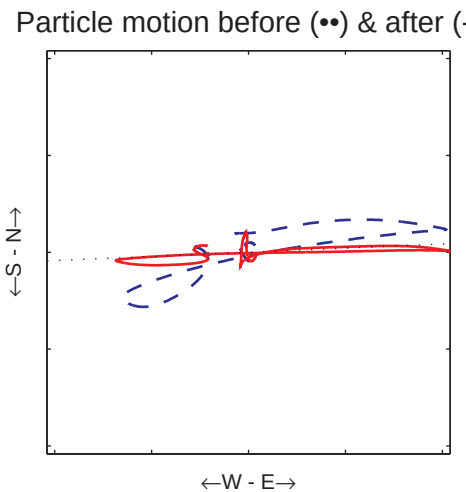


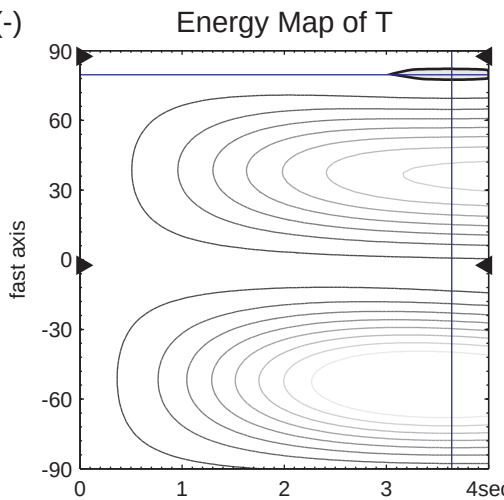


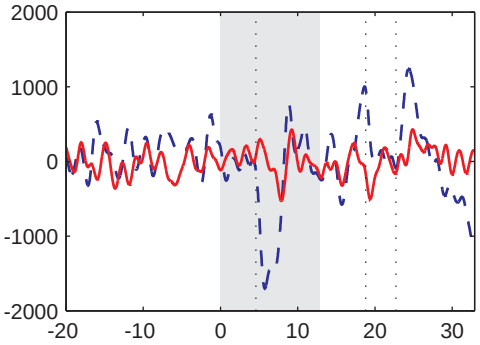








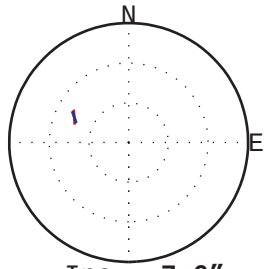




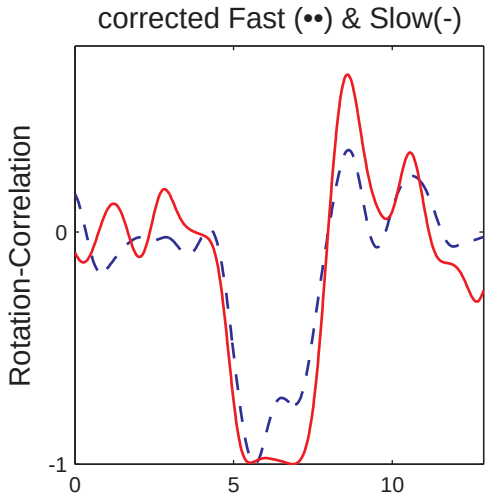
Event: **19-Nov-2008 (324) 06:11 8.27N -82.97E 32km Mw=6.3**
Station: **KOZT** Backazimuth: **295.0”** Distance: **106.90”**
init.Pol.: **111.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.1**

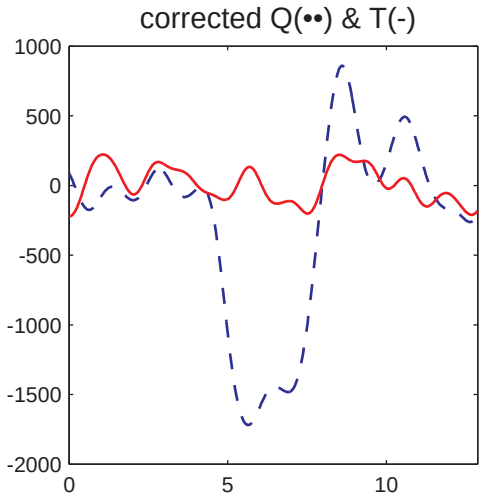
Rotation Correlation:	-31<	-21° < -14	0.3<0.4s<0.5
Minimum Energy:	-27<	-3° < 7	0.3<0.5s<0.7
Eigenvalue:	-46<	-15° < 5	0.3<0.4s<0.6

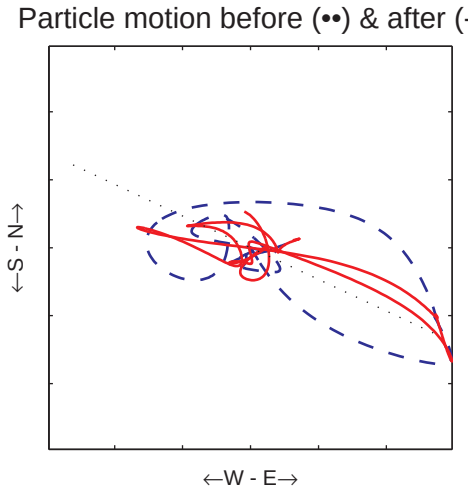
Quality: **fair** IsNull: **No** Phase: **SKS**

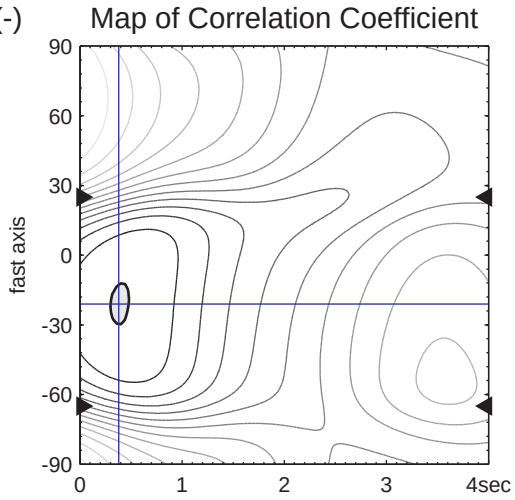


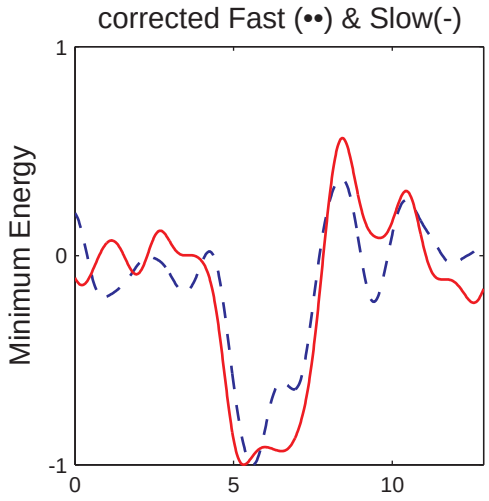
Inc = **7.6”**

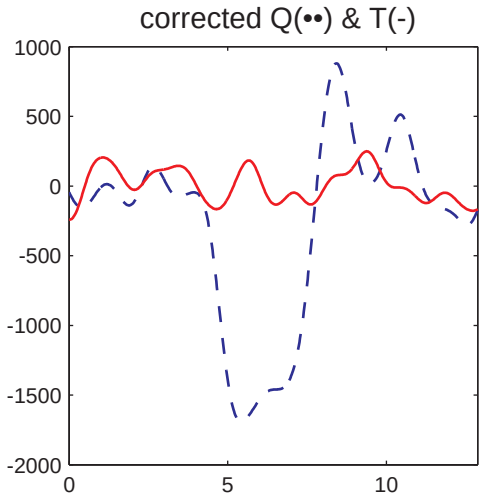


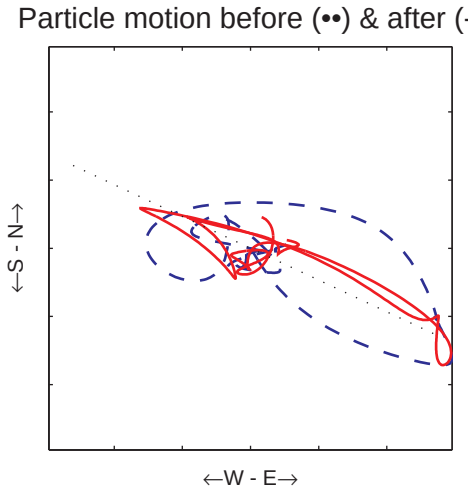


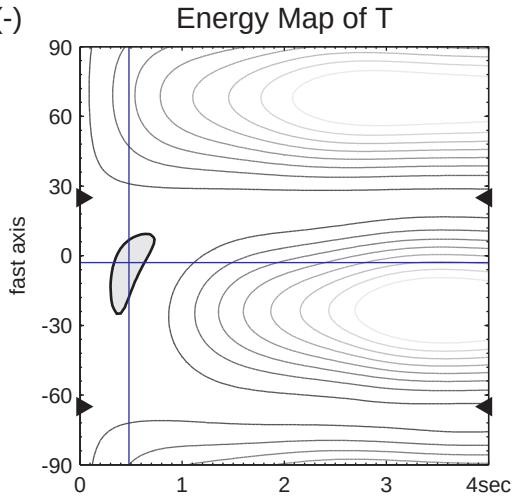


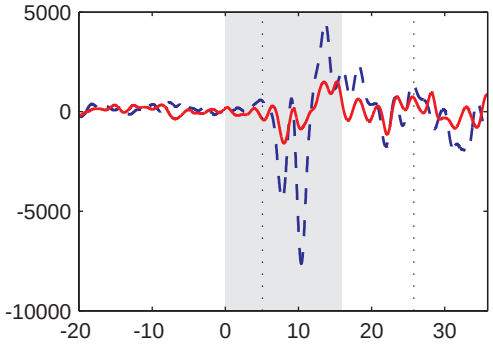








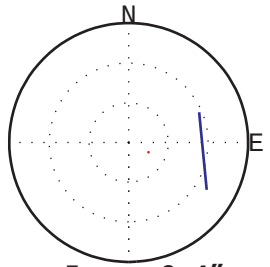


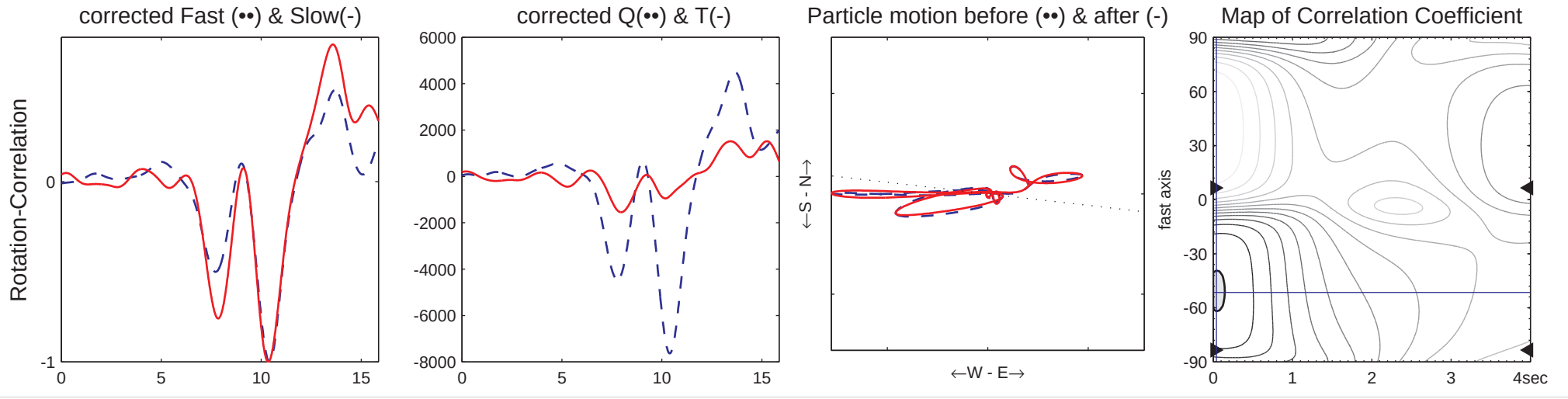


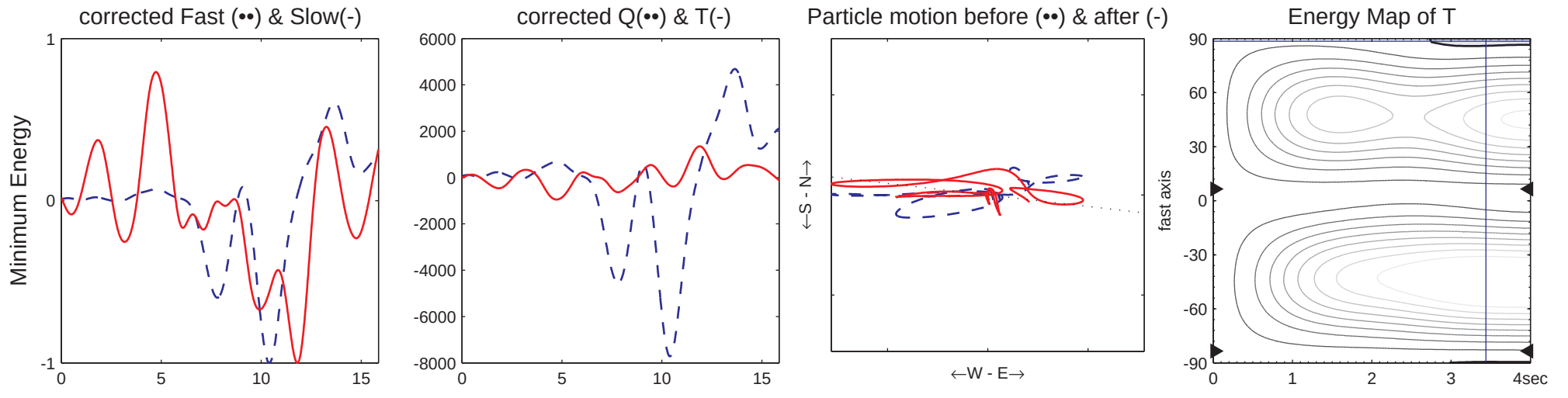
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **KOZT** Backazimuth: **96.5”** Distance: **93.64”**
init.Pol.: **258.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.3**

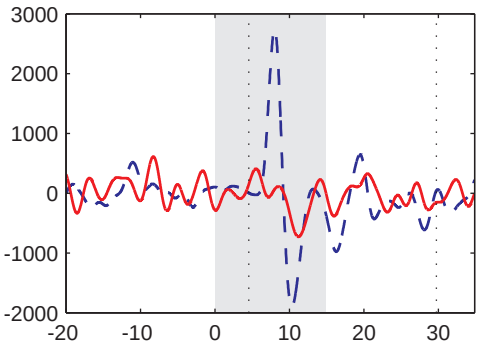
Rotation Correlation:	-63<	-51° <	-41	0.0<0.0s<0.2
Minimum Energy:	86<	89° <	-90	2.7<3.4s<4.0
Eigenvalue:	-11<	-5° <	-3	2.0<2.4s<2.8

Quality: **good** IsNull: **Yes** Phase: **SKS**





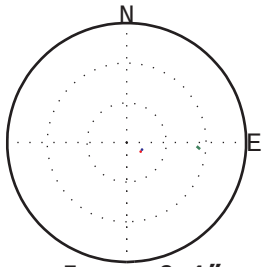


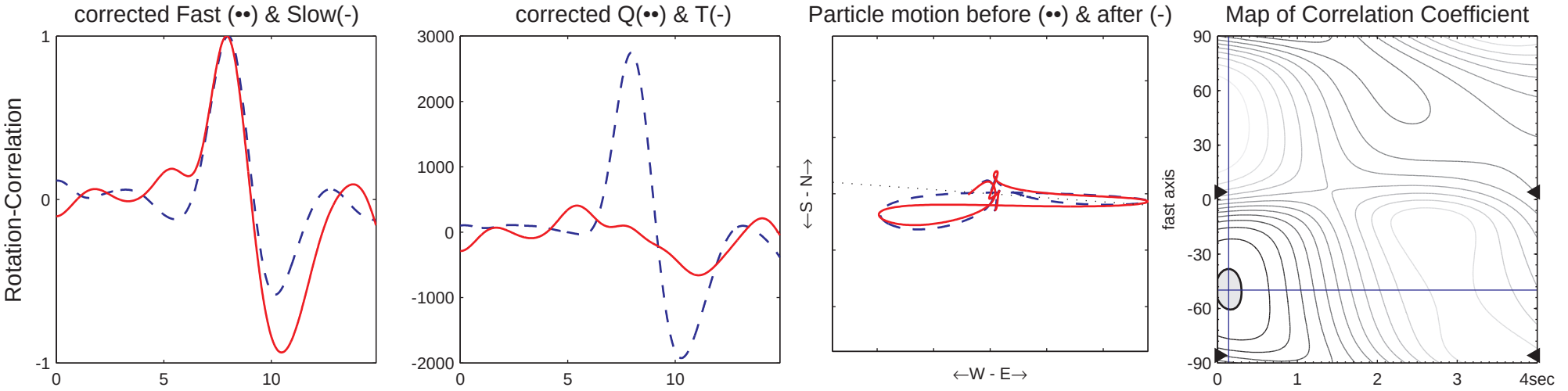


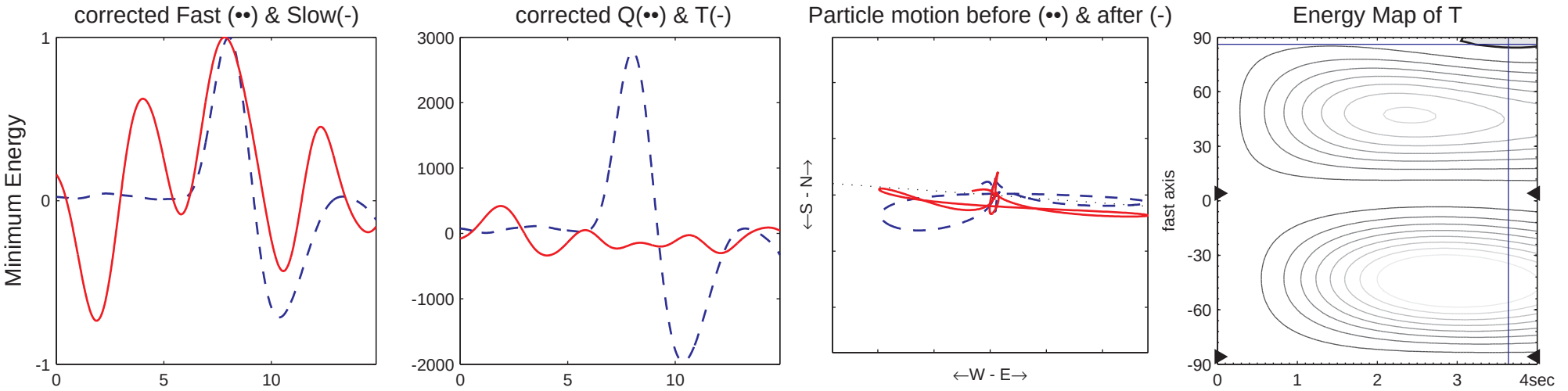
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **KOZT** Backazimuth: **94.2”** Distance: **96.60”**
init.Pol.: **277.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

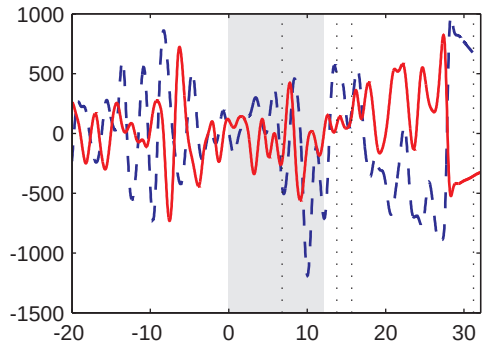
Rotation Correlation:	-62<	-50° < -40	0.0<0.1s<0.3
Minimum Energy:	84<	86° < -92	3.0<3.6s<4.0
Eigenvalue:	84<	88° < -88	3.0<3.6s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





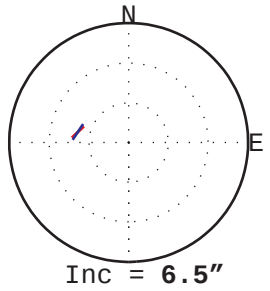


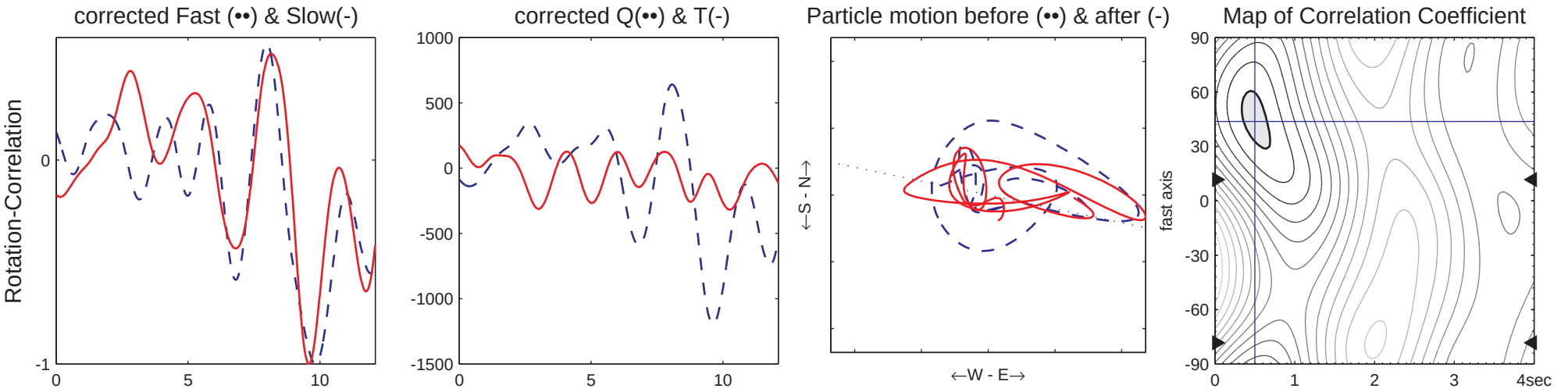


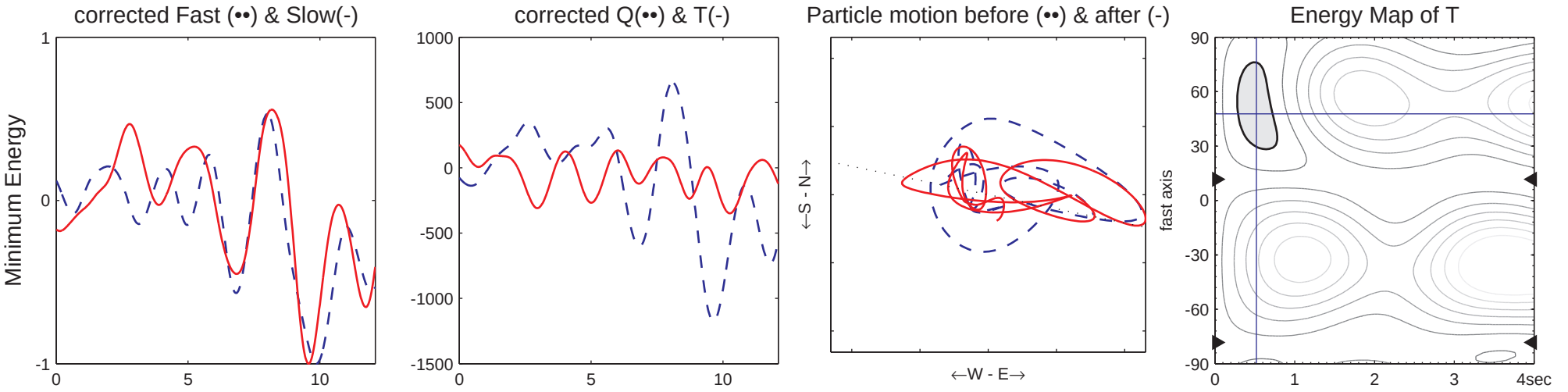
Event: **09-Feb-2009 (040) 14:09 -6.57N -81.15E 15km Mw=6.0**
Station: **KOZT** Backazimuth: **281.7”** Distance: **115.29”**
init.Pol.: **93.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.4**

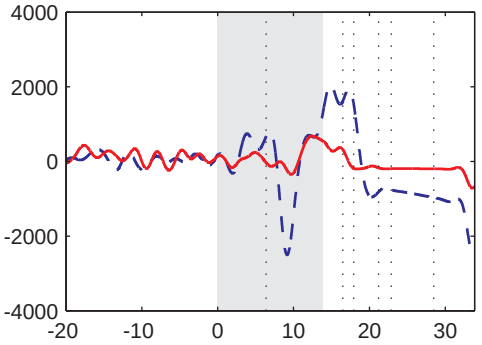
Rotation Correlation:	29<	44° <	61	0.3<0.5s<0.7
Minimum Energy:	27<	48° <	76	0.3<0.5s<0.8
Eigenvalue:	9<	34° <	78	0.3<0.6s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





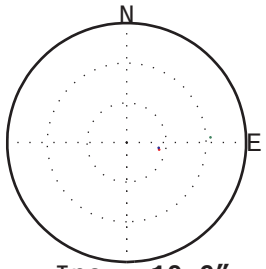




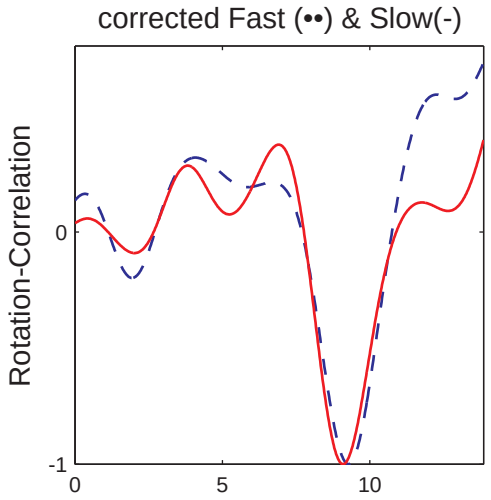
Event: **12-Feb-2009 (043) 03:49** **3.95N 126.41E** **26km** Mw=**6.0**
Station: **KOZT** Backazimuth: **86.5”** Distance: **88.06”**
init.Pol.: **270.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.7**

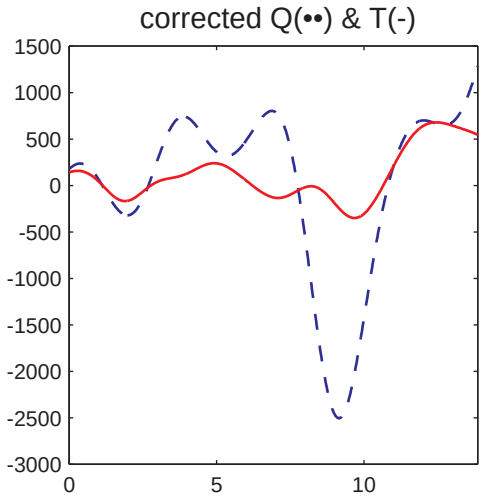
Rotation Correlation:	19<	30° <	43	0.0<0.0s<0.1
Minimum Energy:	74<	77° <	80	2.8<3.3s<3.7
Eigenvalue:	78<	79° <	82	3.0<3.3s<3.6

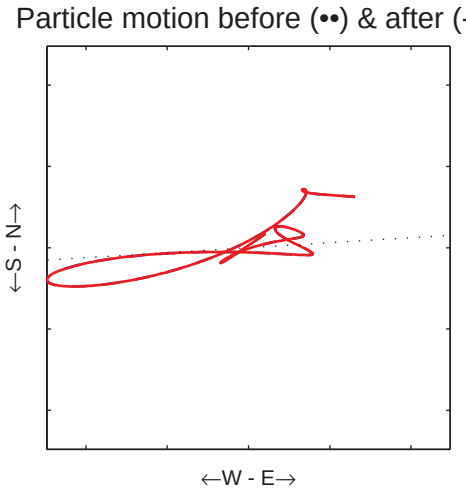
Quality: **good** IsNull: **Yes** Phase: **SKS**

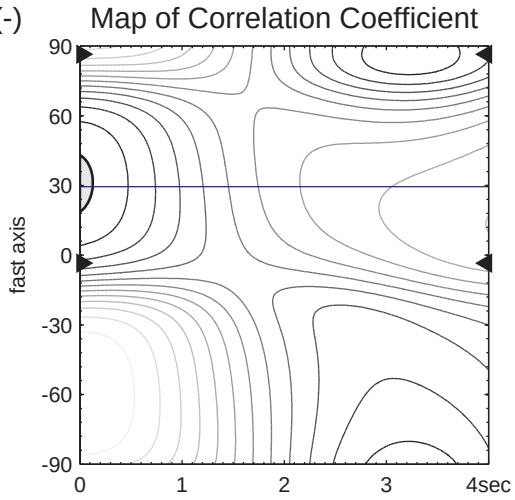


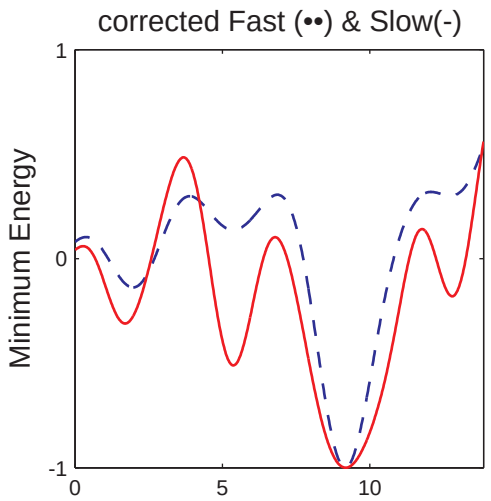
Inc = **10.6”**

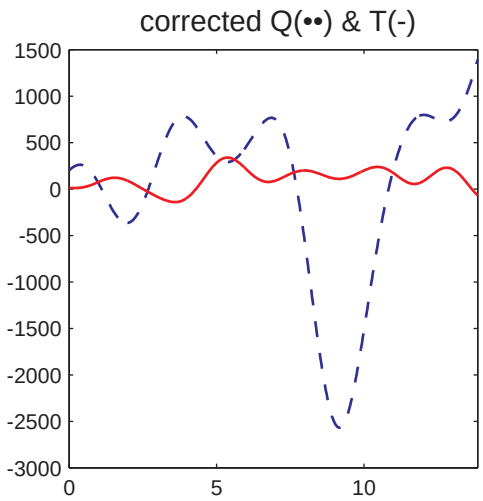


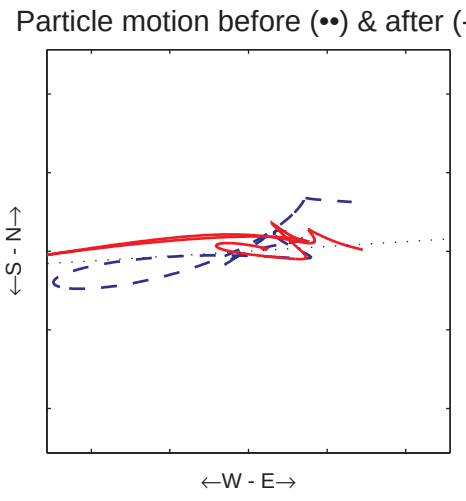


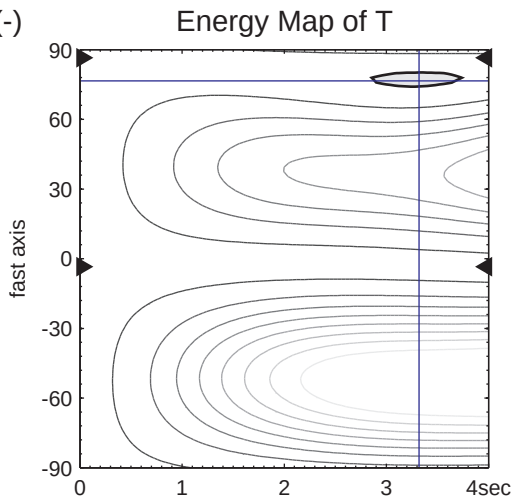


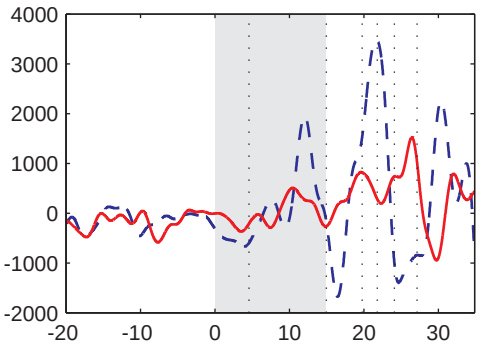








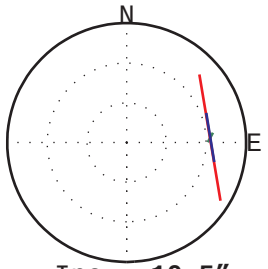




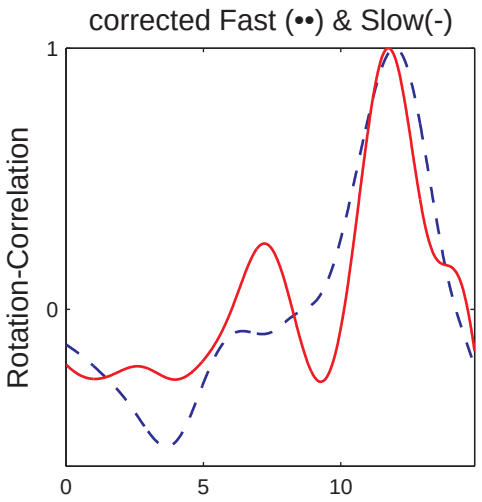
Event: **16-Mar-2009 (075) 14:15 3.81N 126.55E 35km Mw=6.3**
Station: **KOZT** Backazimuth: **86.5”** Distance: **88.26”**
init.Pol.: **248.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

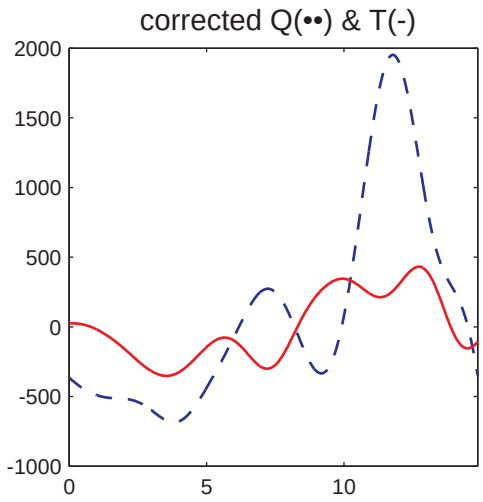
Rotation Correlation:	7<	28° <	48	0.0<0.3s<1.0
Minimum Energy:	-17<	-9° <	-5	2.9<4.0s<4.0
Eigenvalue:	-21<	-9° <	1	0.8<1.6s<2.3

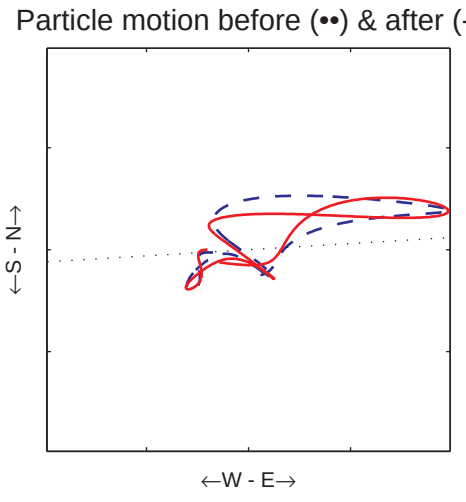
Quality: **good** IsNull: **Yes** Phase: **SKS**

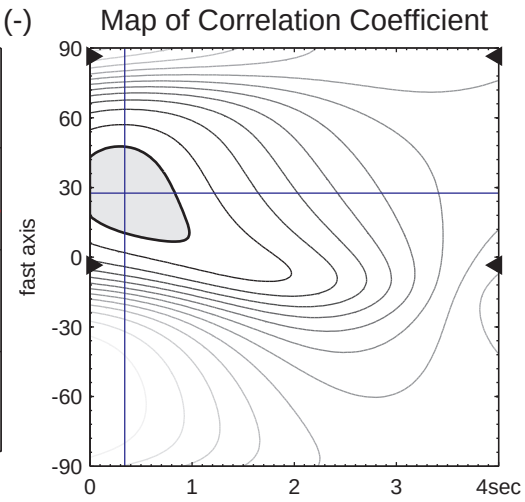


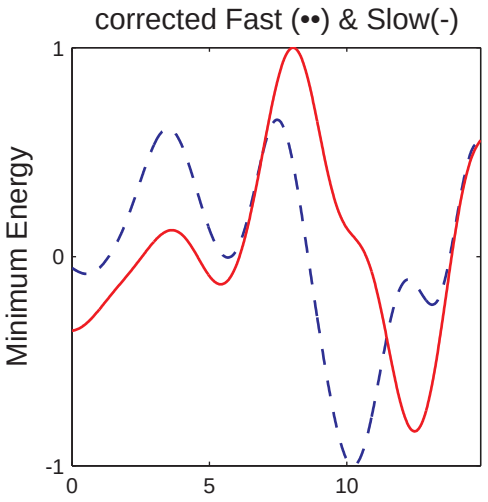
Inc = **10.5”**

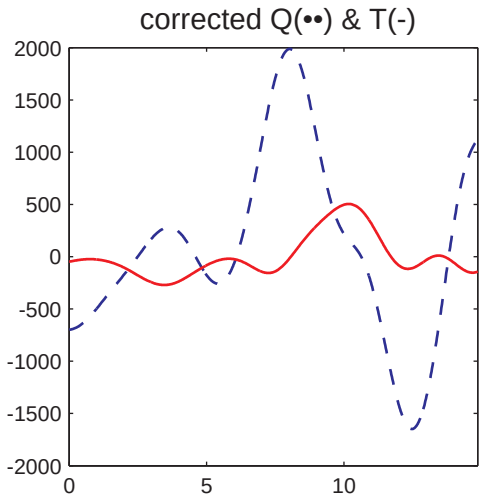


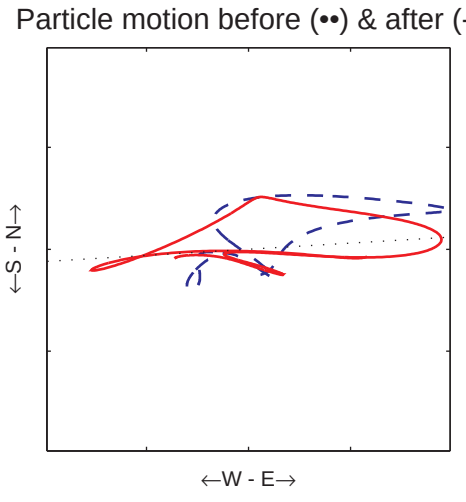


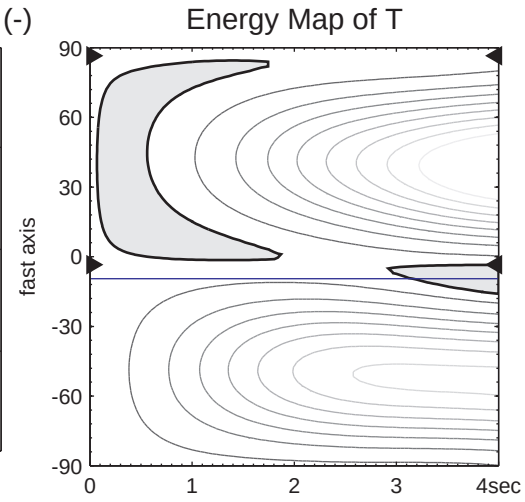


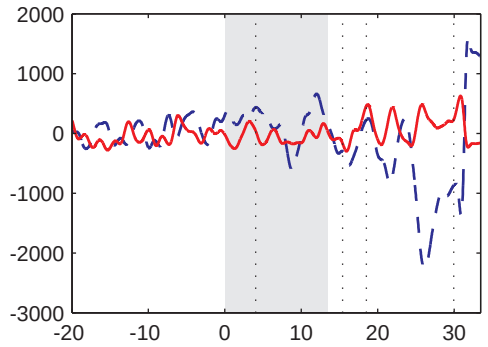








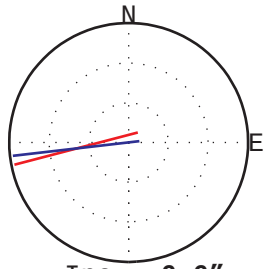




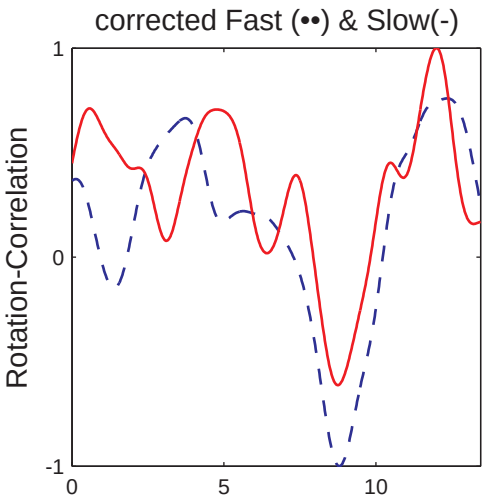
Event: **17-Apr-2009 (107) 02:08 -19.58N -70.48E 25km Mw=6.1**
Station: **KOZT** Backazimuth: **263.4”** Distance: **114.45”**
init.Pol.: **97.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.0**

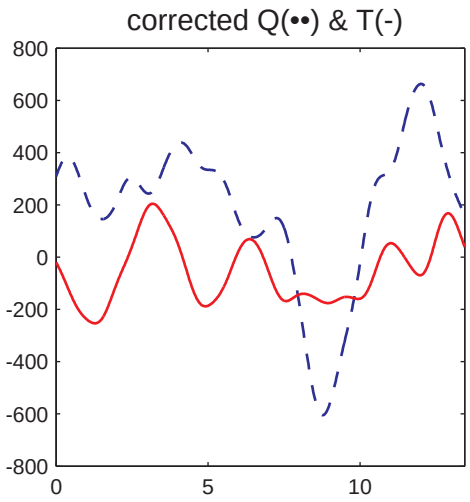
Rotation Correlation:	28<	36° <	45	0.0<0.0s<0.2
Minimum Energy:	72<	75° <	80	3.3<4.0s<4.0
Eigenvalue:	76<	83° <	-90	3.7<4.0s<4.0

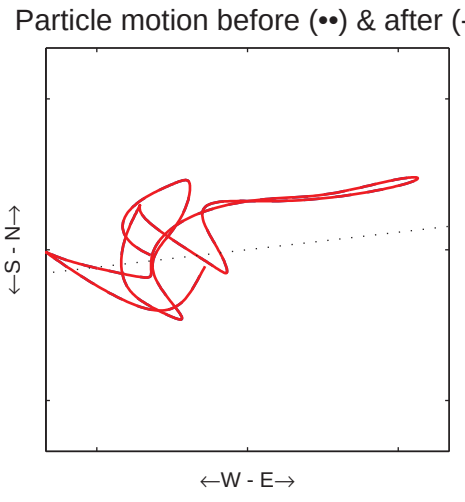
Quality: **good** IsNull: **Yes** Phase: **SKS**

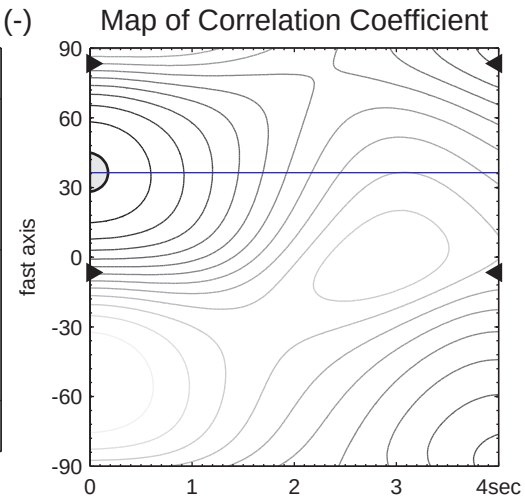


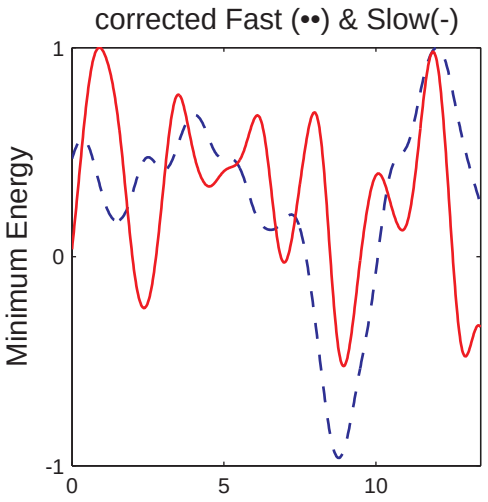
Inc = **6.6”**

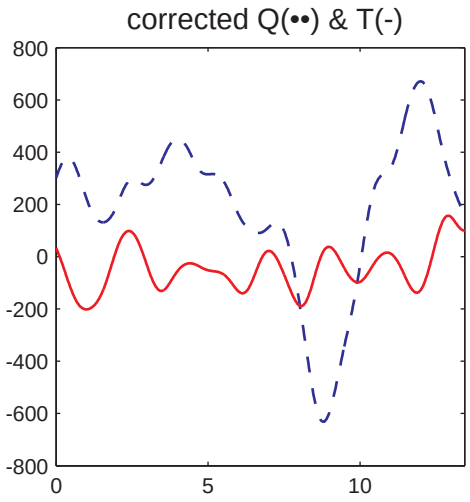


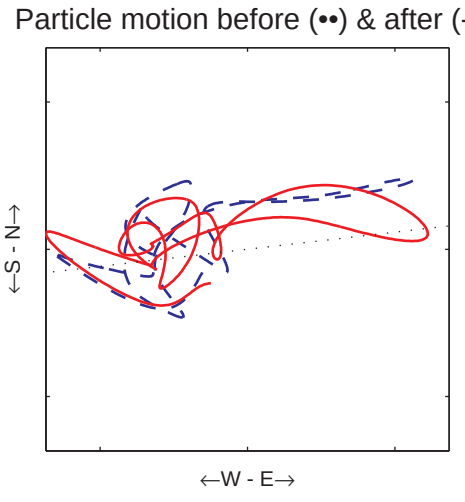


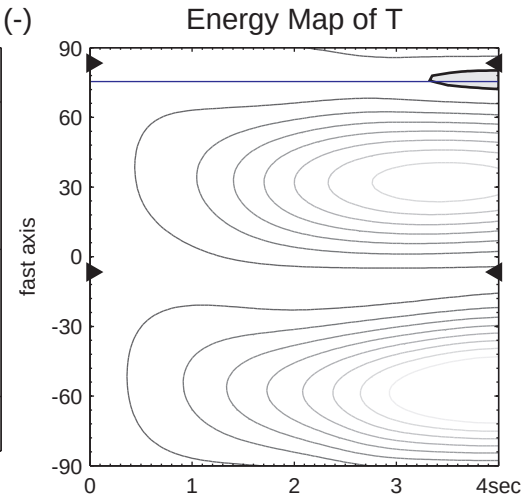


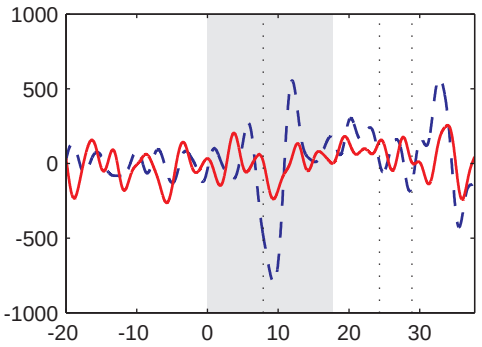








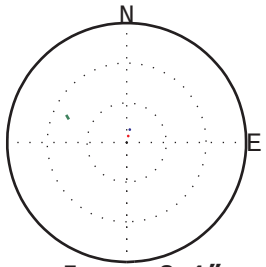




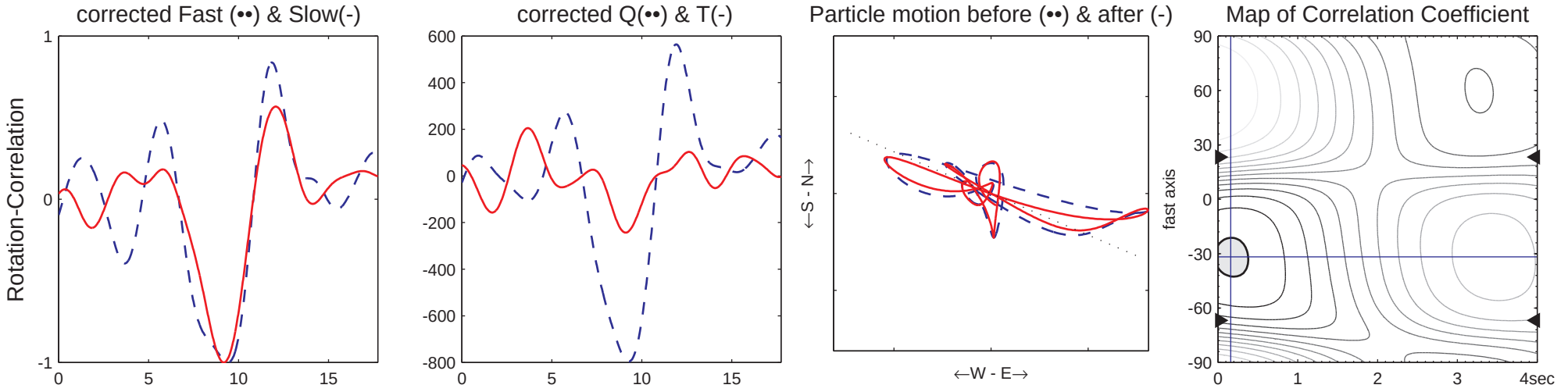
Event: **04-Jul-2009 (185) 06:49** **9.59N -78.97E** **38km** Mw=**6.1**
Station: **KOZT** Backazimuth: **293.2”** Distance: **103.11”**
init.Pol.: **99.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

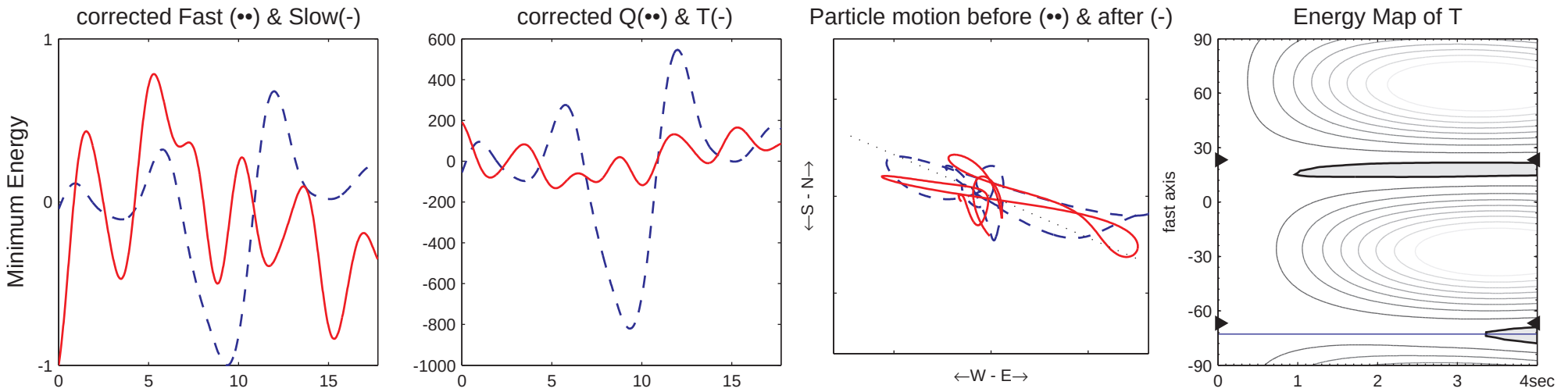
Rotation Correlation:	-44<	-32° <	-23 0.0<0.2s<0.4
Minimum Energy:	-80<	-73° <	-72 3.4<4.0s<4.0
Eigenvalue:	-88<	-79° <	-76 3.3<4.0s<4.0

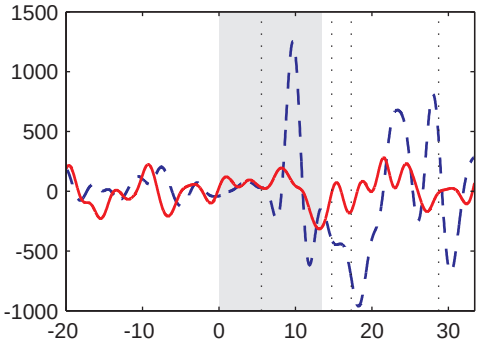
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **8.1”**



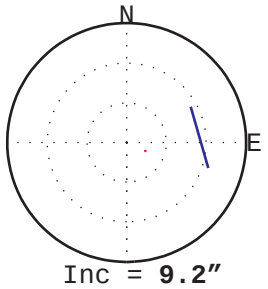


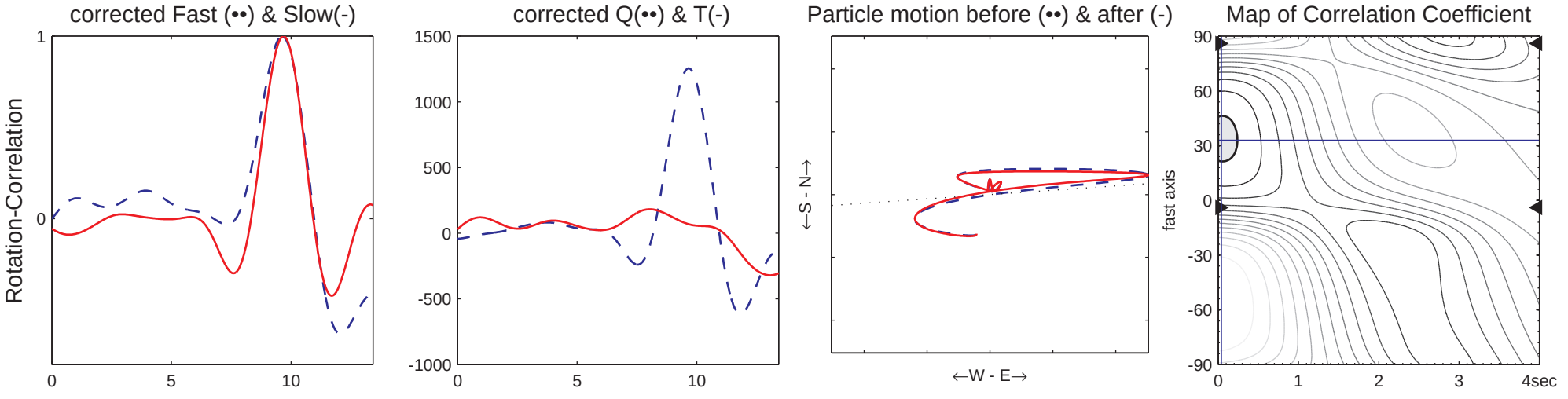


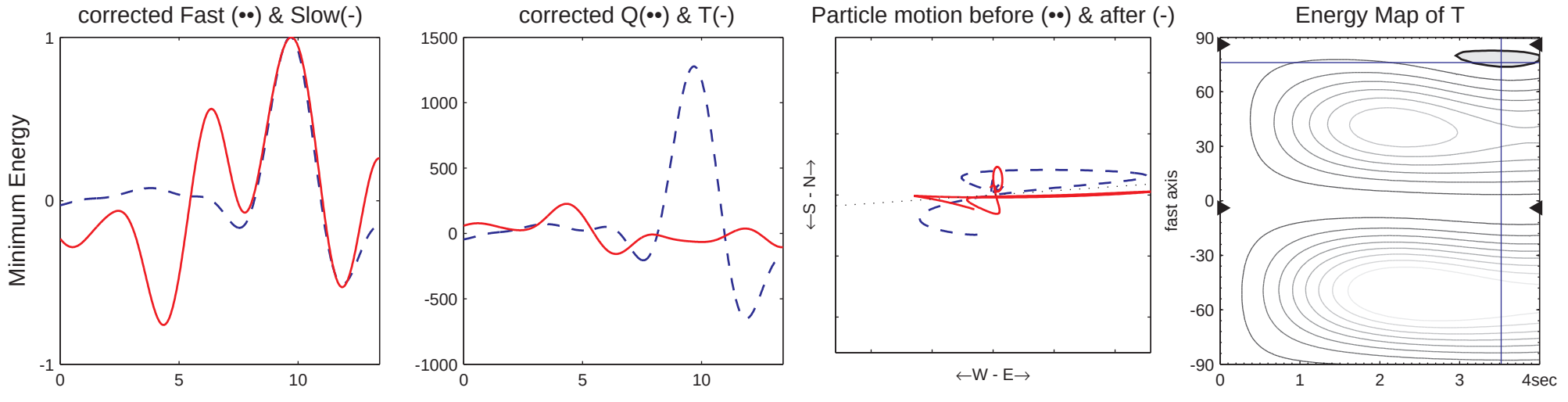
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **KOZT** Backazimuth: **86.0”** Distance: **95.89”**
init.Pol.: **241.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.0**

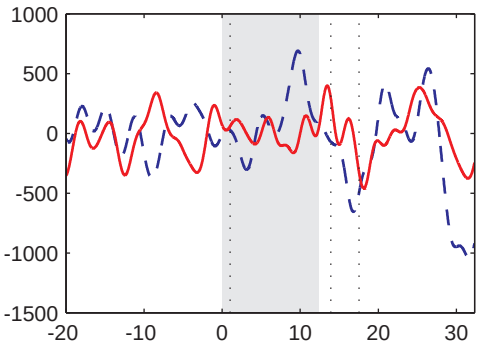
Rotation Correlation:	22<	33° <	47	0.0<0.0s<0.2
Minimum Energy:	74<	76° <	82	3.0<3.5s<4.0
Eigenvalue:	-21<	-16° <	-11	1.6<2.0s<2.4

Quality: **good** IsNull: **Yes** Phase: **SKS**





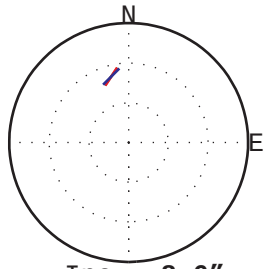




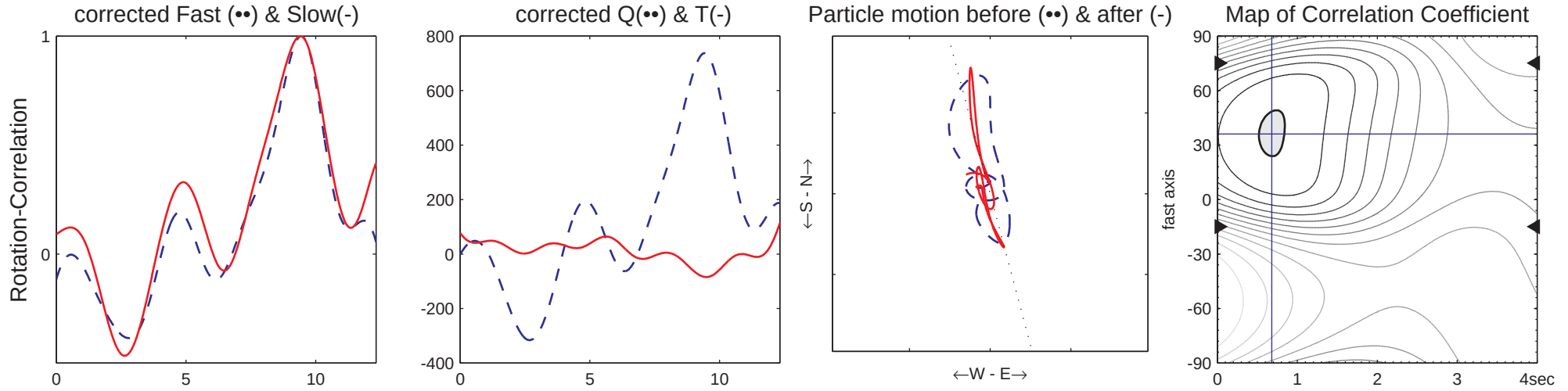
Event: **10-Jan-2010 (010) 00:27 40.65N -124.69E 29km Mw=6.5**
Station: **KOZT** Backazimuth: **345.1”** Distance: **99.86”**
init.Pol.: **172.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.7**

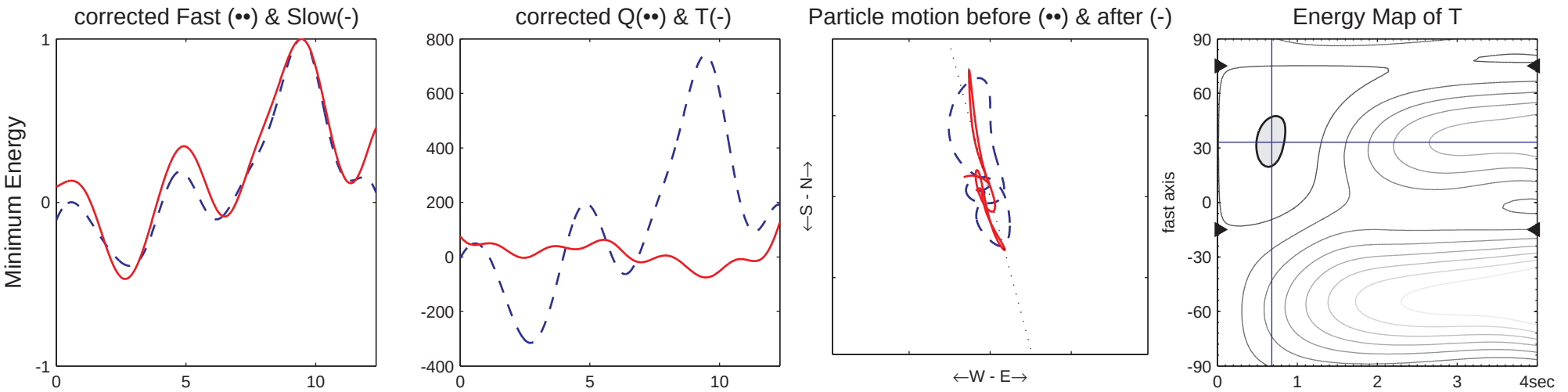
Rotation Correlation:	24<	36° <	49	0.5<0.7s<0.8
Minimum Energy:	19<	33° <	48	0.5<0.7s<0.8
Eigenvalue:	35<	45° <	56	0.6<0.7s<0.9

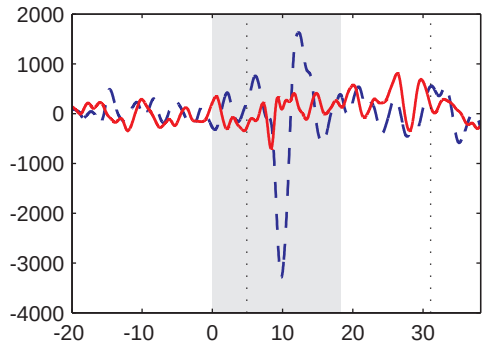
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **8.6”**



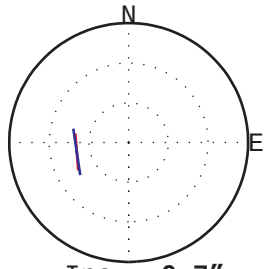




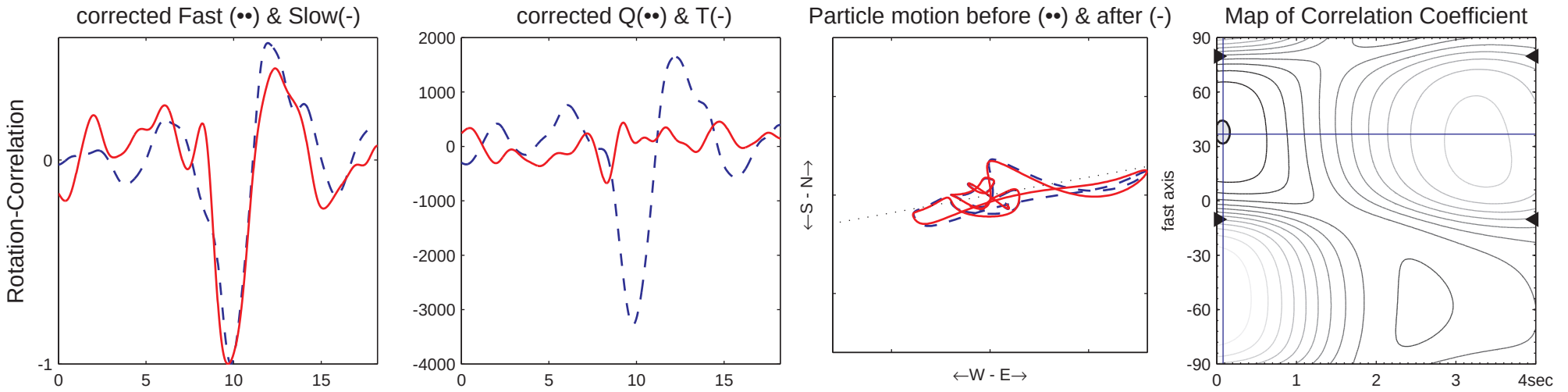
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **KOZT** Backazimuth: **259.7”** Distance: **114.19”**
init.Pol.: **75.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.5**

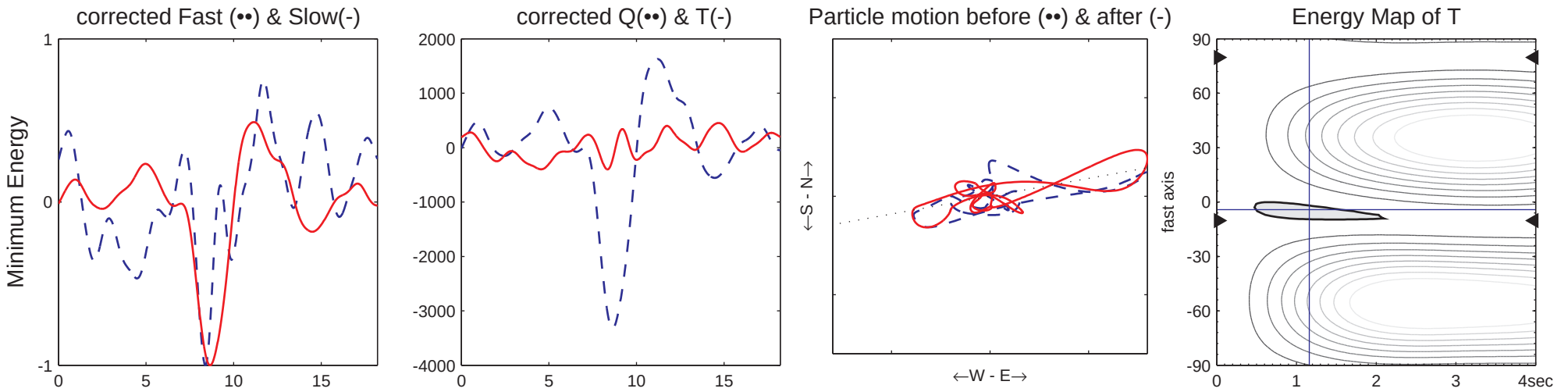
Rotation Correlation:	32<	37° <	45 0.0<0.1s<0.2
Minimum Energy:	-11<	-4° <	-3 0.5<1.2s<2.1
Eigenvalue:	-15<	-8° <	-3 0.6<1.5s<2.2

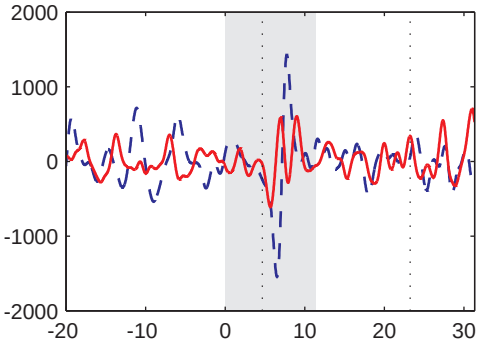
Quality: **fair** IsNull: **Yes** Phase: **SKS**



Inc = **6.7”**



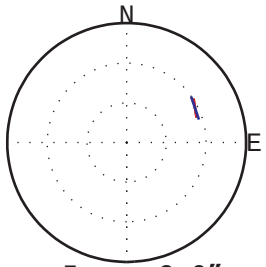


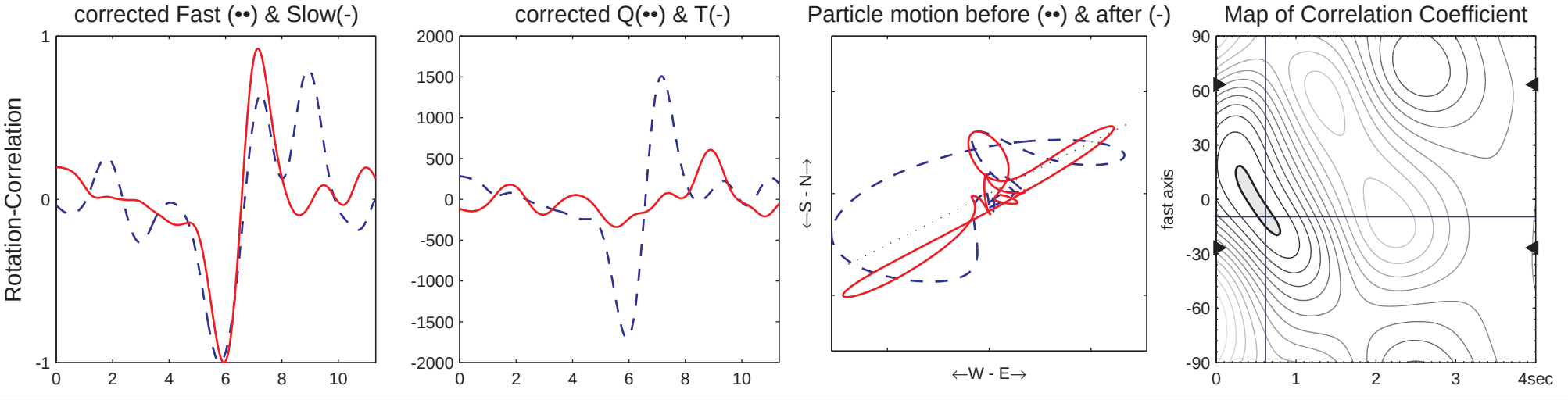


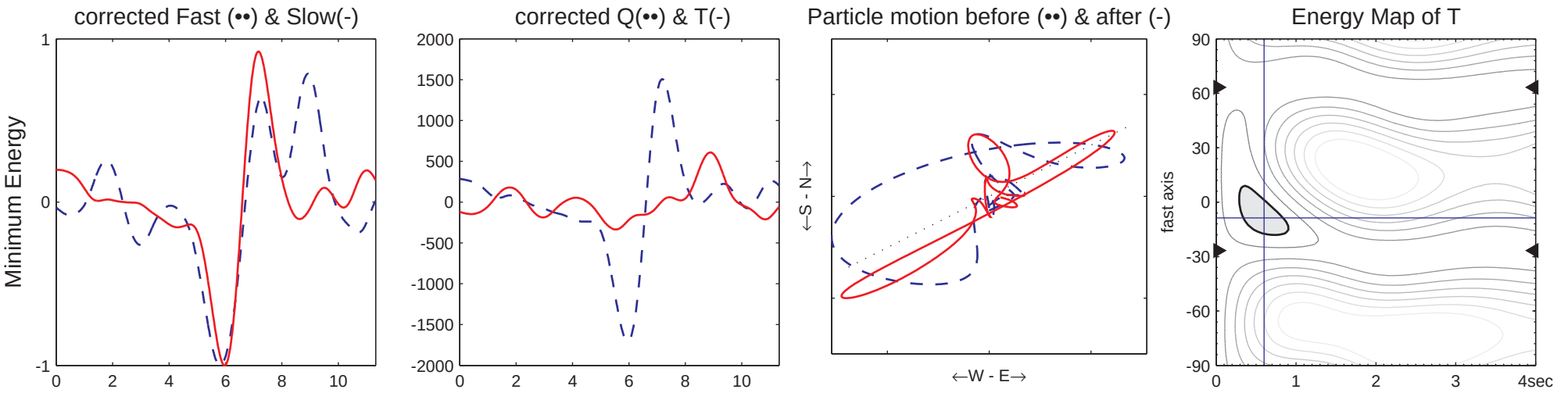
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **KOZT** Backazimuth: **63.3”** Distance: **92.36”**
init.Pol.: **229.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

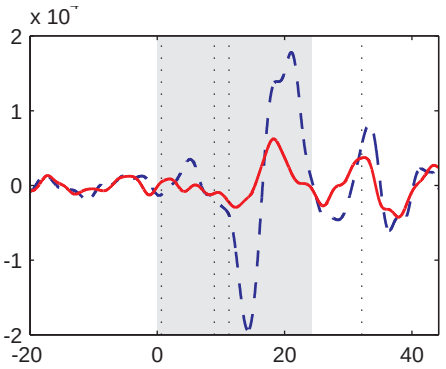
Rotation Correlation:	-21<	-10° <	18	0.2<0.6s<0.8
Minimum Energy:	-19<	-9° <	7	0.3<0.6s<0.9
Eigenvalue:	-31<	-19° <	-9	0.5<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





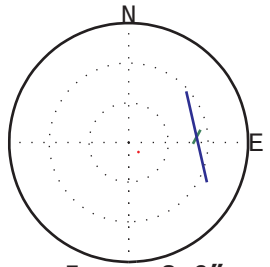


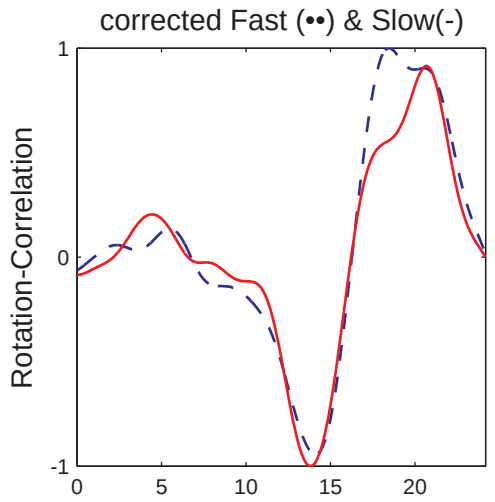


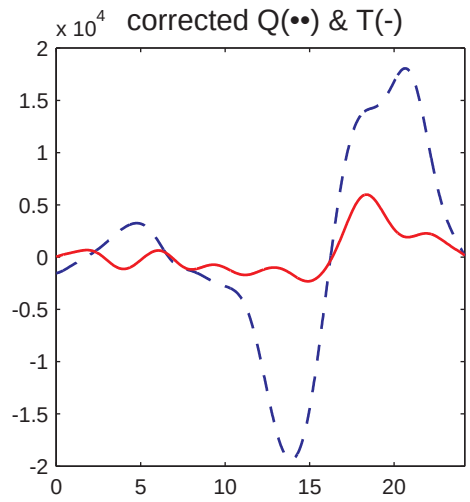
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **KOZT** Backazimuth: **85.2”** Distance: **99.82”**
init.Pol.: **248.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.4**

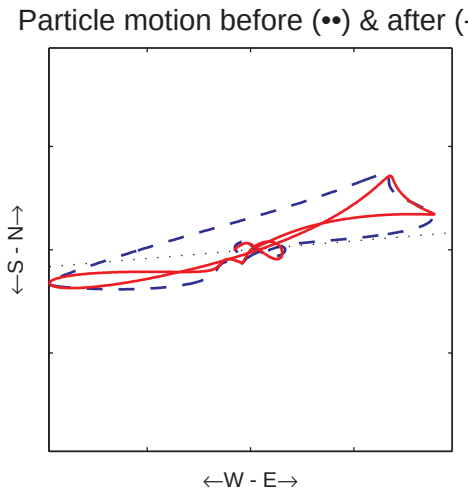
Rotation Correlation:	15<	28° <	44	0.2<0.5s<0.8
Minimum Energy:	74<	75° <	80	3.0<3.8s<4.0
Eigenvalue:	-17<	-13° <	-9	1.9<2.9s<3.7

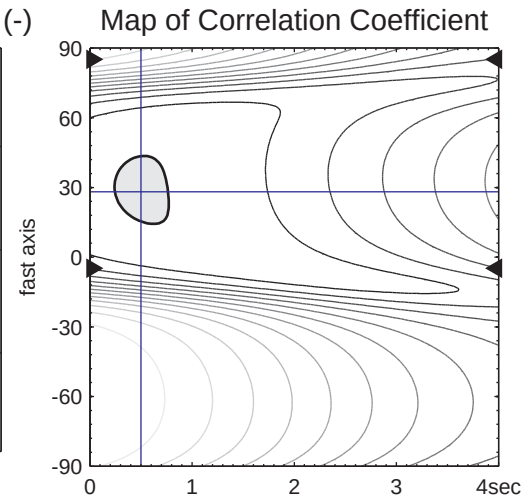
Quality: **good** IsNull: **Yes** Phase: **SKS**

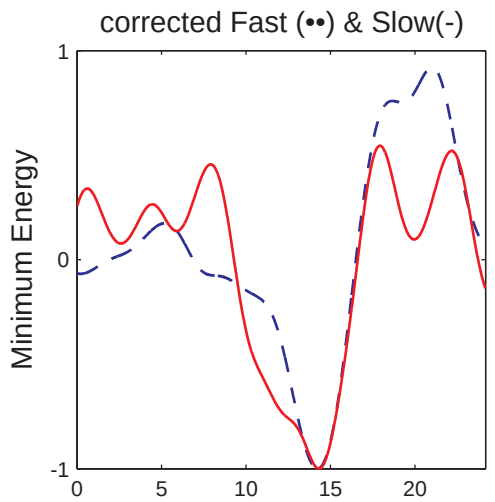


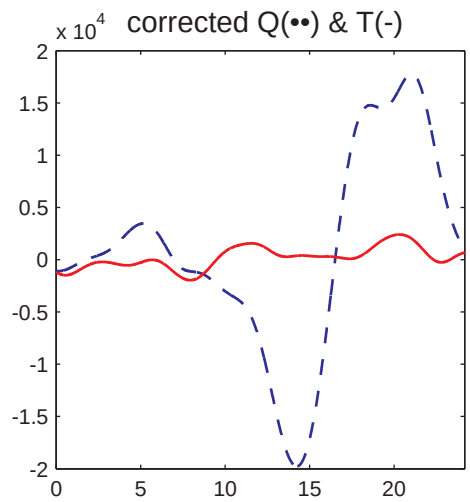


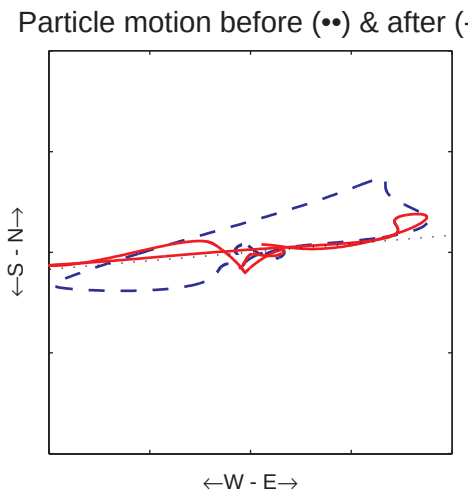


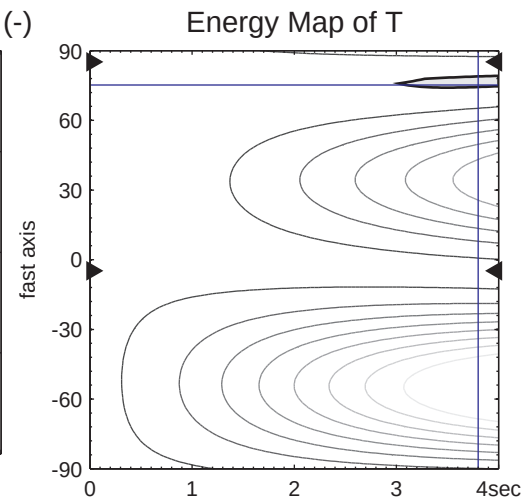


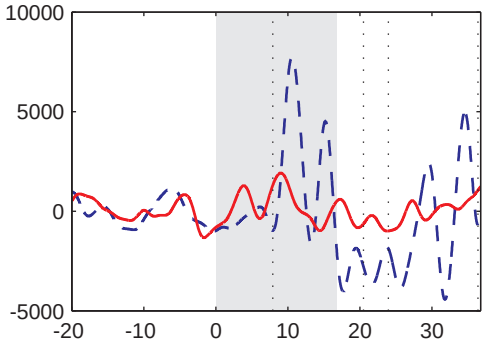








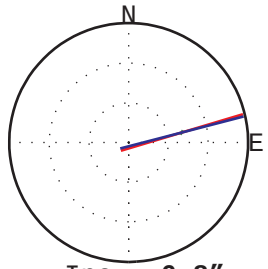


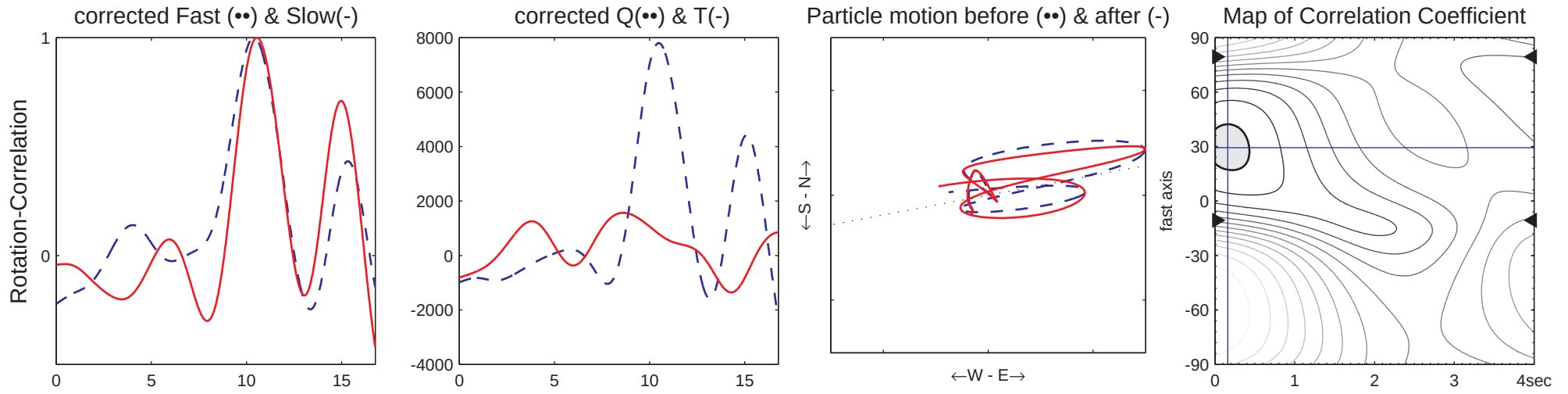


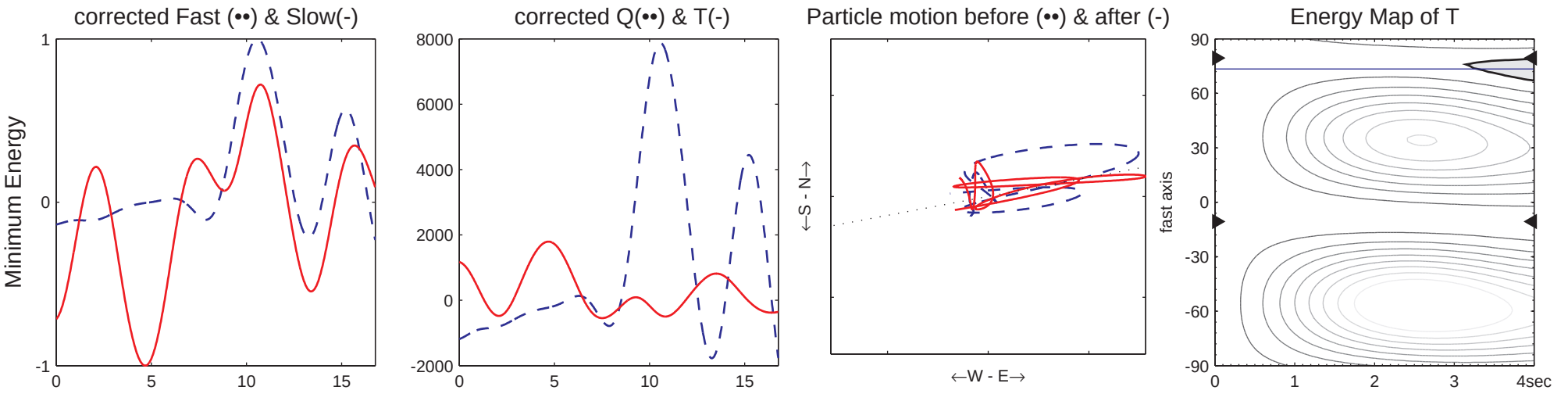
Event: **18-Jul-2010 (199) 13:04 -5.97N 150.43E 28km Mw=6.9**
Station: **KOZT** Backazimuth: **79.4”** Distance: **113.07”**
init.Pol.: **267.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

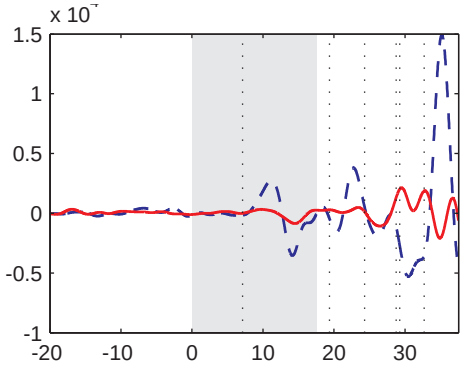
Rotation Correlation:	17<	29° <	43	0.0<0.2s<0.4
Minimum Energy:	68<	73° <	80	3.2<4.0s<4.0
Eigenvalue:	70<	75° <	82	3.1<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





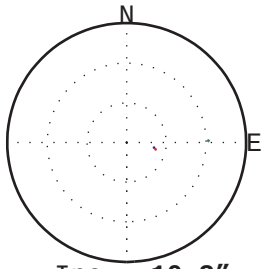




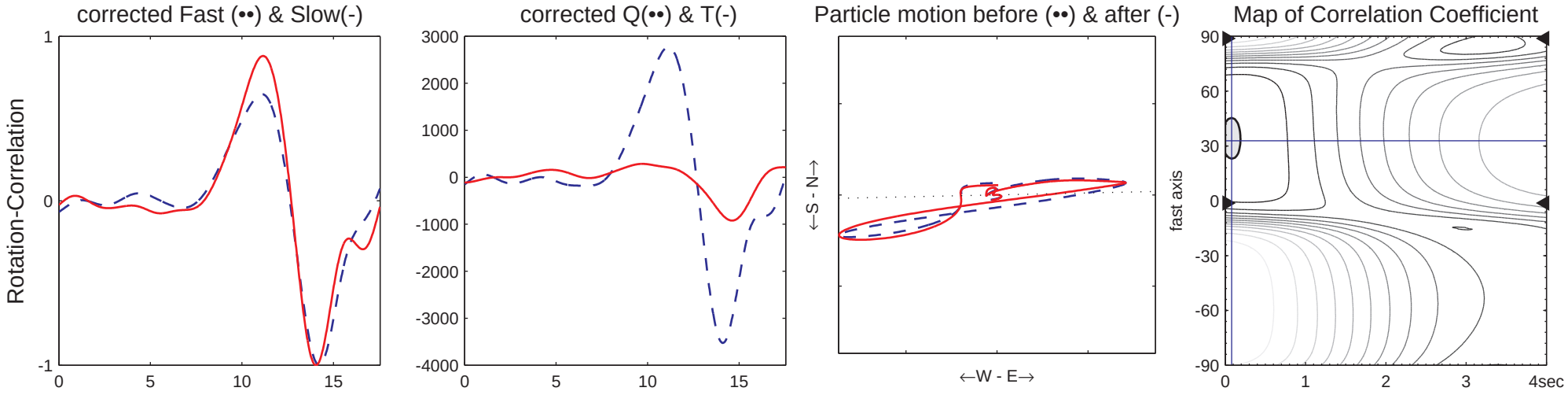
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **KOZT** Backazimuth: **88.8”** Distance: **89.55”**
init.Pol.: **270.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.8**

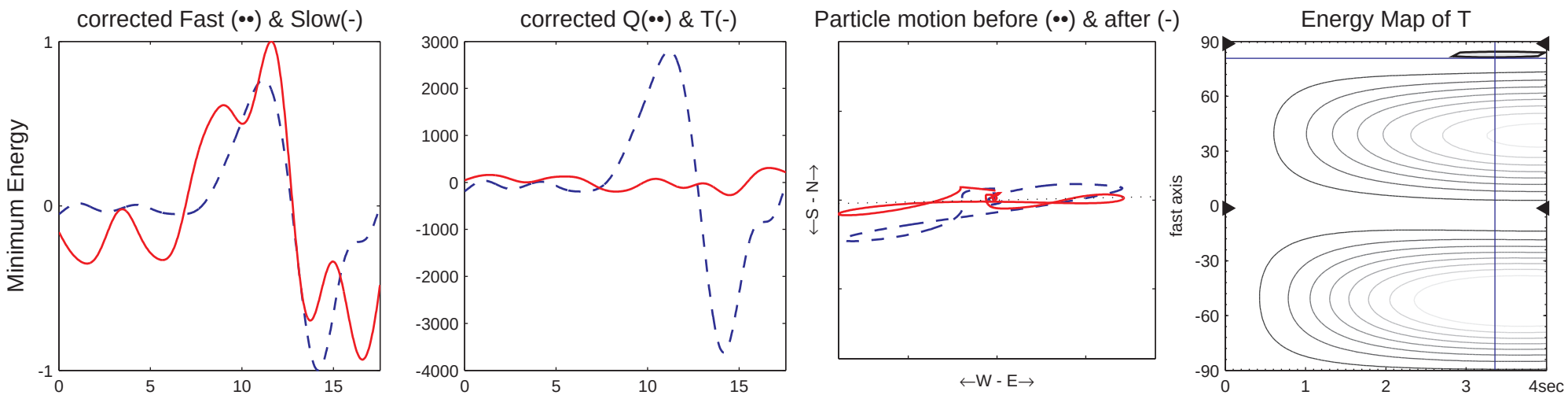
Rotation Correlation:	23<	33° <	46	0.0<0.1s<0.2
Minimum Energy:	82<	81° <	84	2.8<3.4s<4.0
Eigenvalue:	82<	83° <	86	3.0<3.4s<3.9

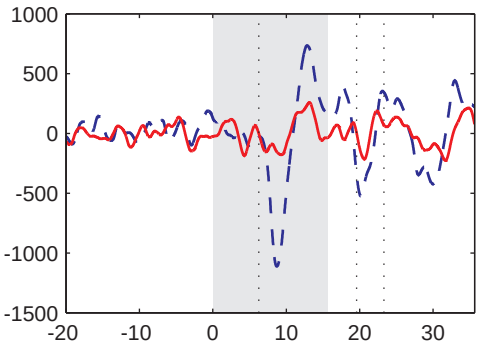
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.3”**



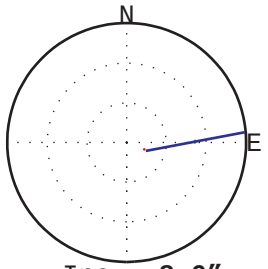




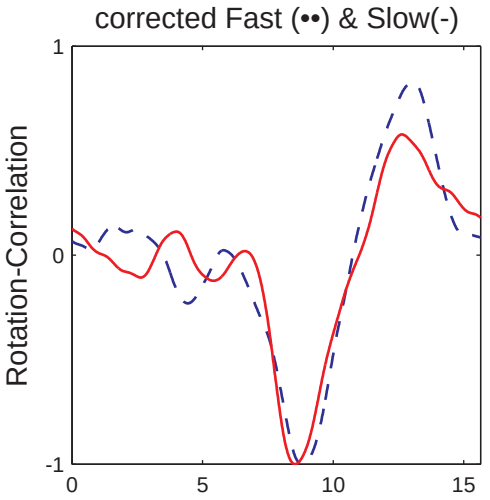
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **KOZT** Backazimuth: **89.3”** Distance: **99.65”**
init.Pol.: **265.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.4**

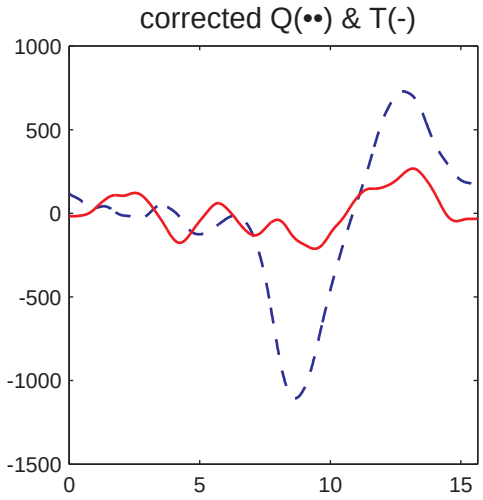
Rotation Correlation:	23<	32° <	42	0.0<0.1s<0.3
Minimum Energy:	80<	81° <	84	2.7<3.2s<4.0
Eigenvalue:	76<	79° <	84	2.6<3.2s<3.9

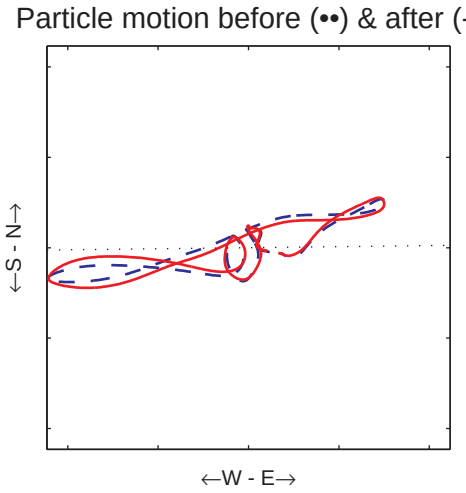
Quality: **good** IsNull: **Yes** Phase: **SKS**

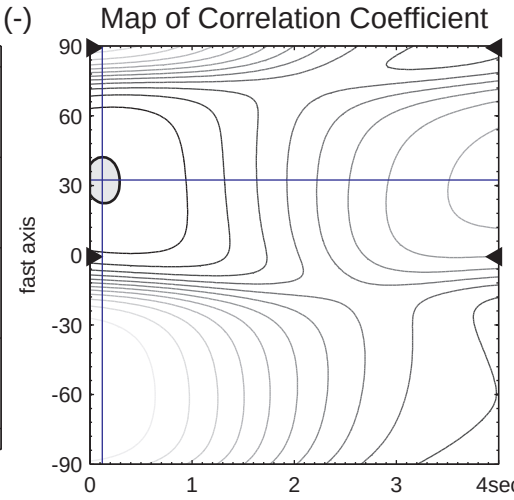


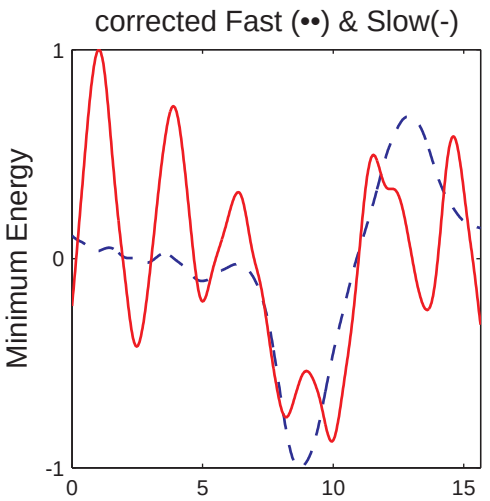
Inc = **8.6”**

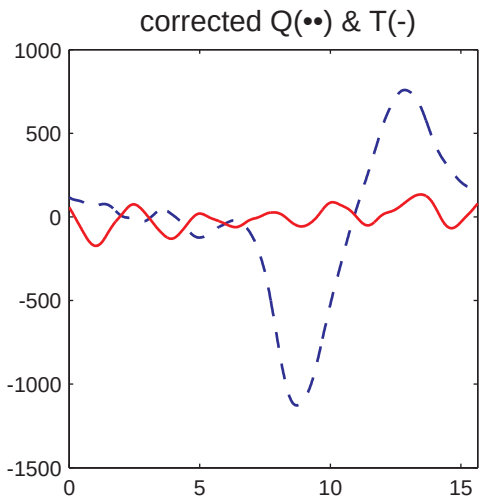


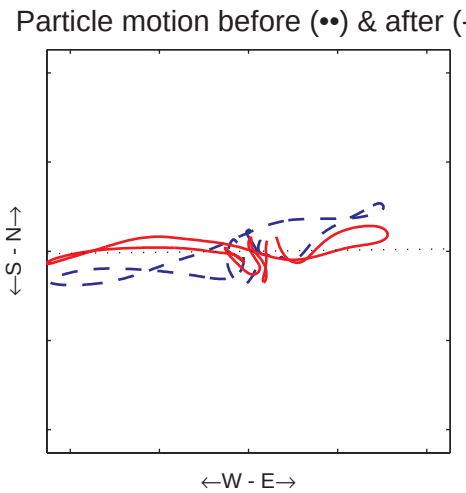


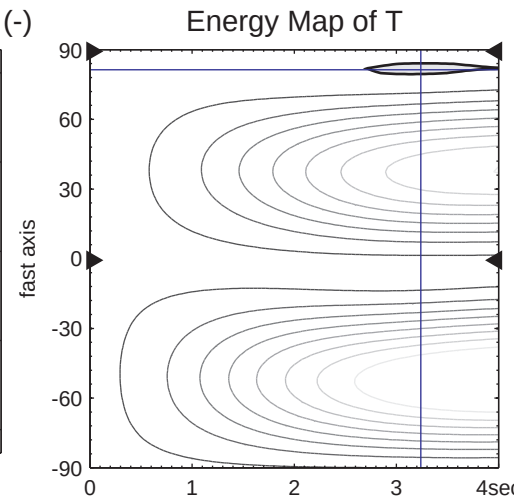


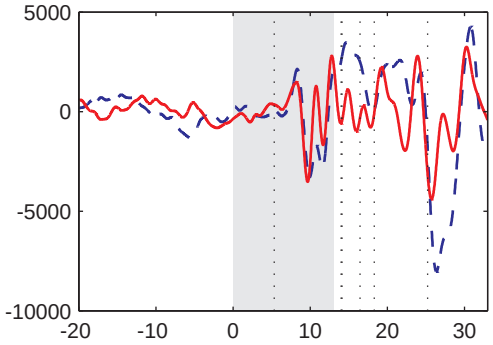








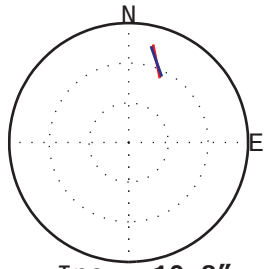




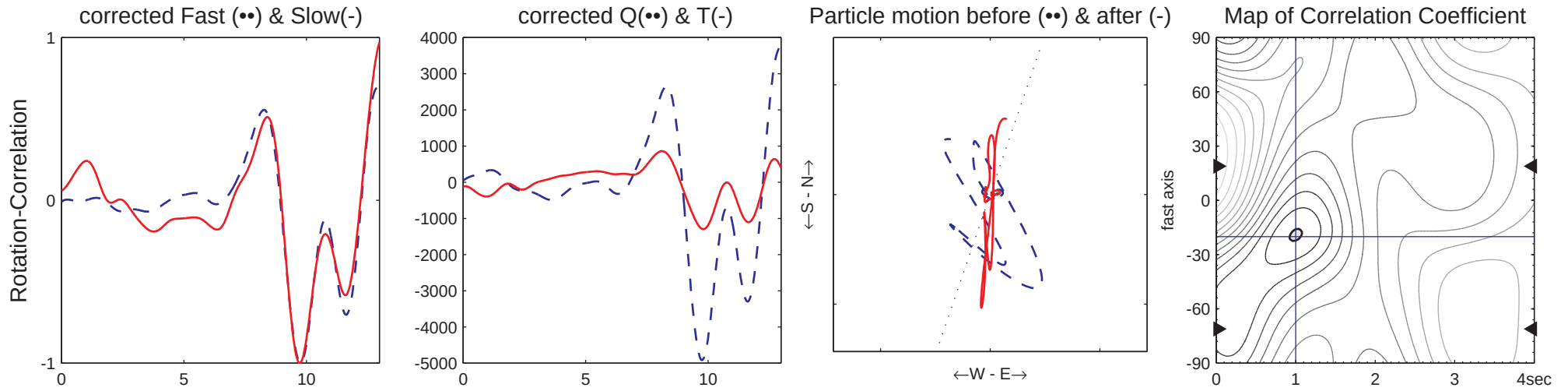
Event: **08-Oct-2010 (281) 03:26 51.37N -175.36E 19km Mw=6.4**
Station: **KOZT** Backazimuth: **18.9”** Distance: **87.04”**
init.Pol.: **184.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.1**

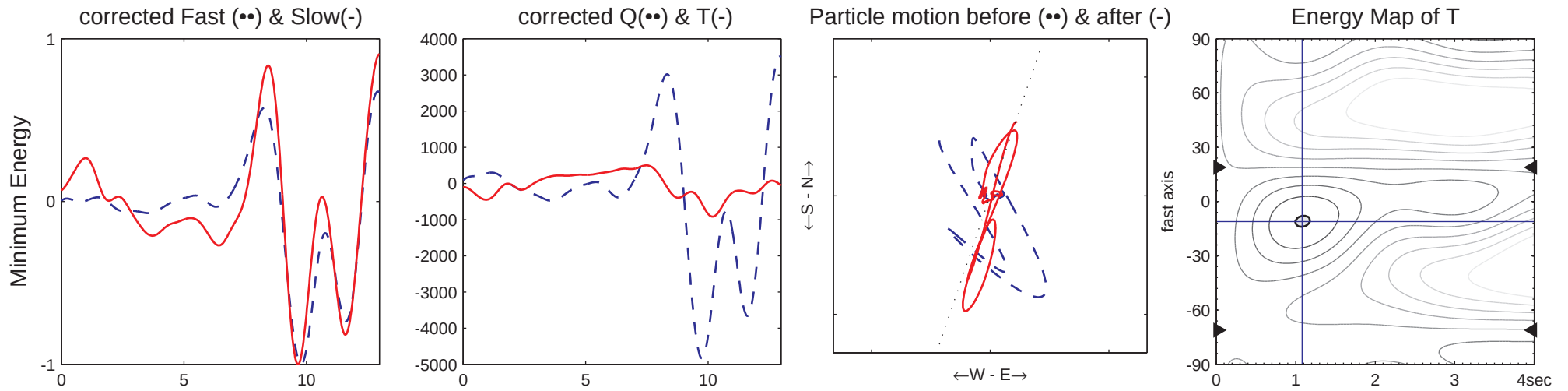
Rotation Correlation:	-24< -20° < -17	0.9<1.0s<1.1
Minimum Energy:	-15< -11° < -9	1.0<1.1s<1.2
Eigenvalue:	-25< -19° < -19	0.9<1.0s<1.1

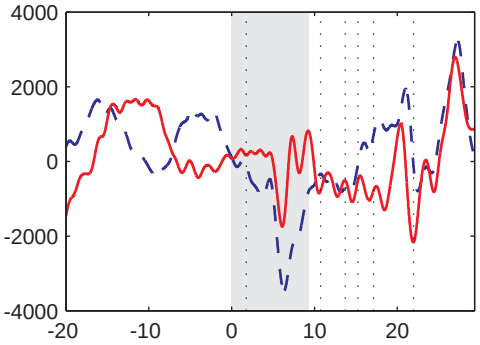
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



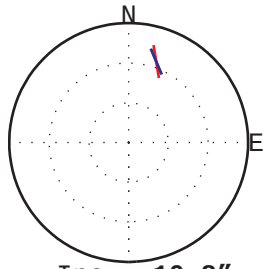




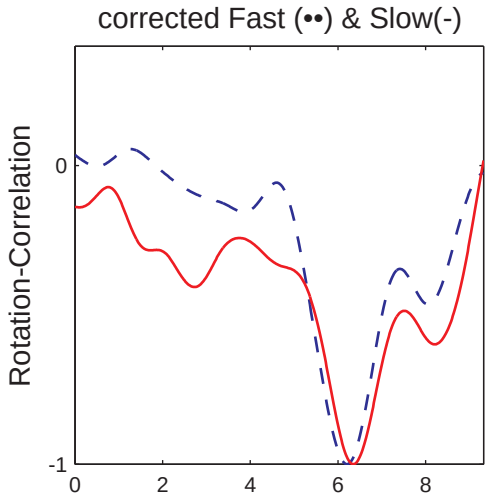
Event: **08-Oct-2010 (281) 03:49 51.29N -175.18E 27km Mw=6.0**
Station: **KOZT** Backazimuth: **18.8”** Distance: **87.17”**
init.Pol.: **180.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.6**

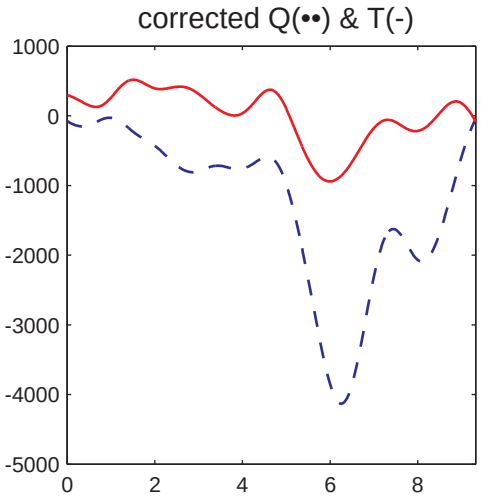
Rotation Correlation:	-32<	-21° <	-14 0.6<0.8s<1.0
Minimum Energy:	-19<	-9° <	-5 0.8<1.0s<1.3
Eigenvalue:	-29<	-23° <	-19 0.8<0.9s<1.0

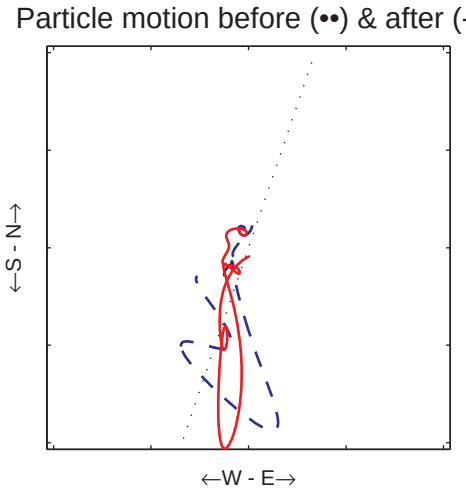
Quality: **fair** IsNull: **No** Phase: **SKS**

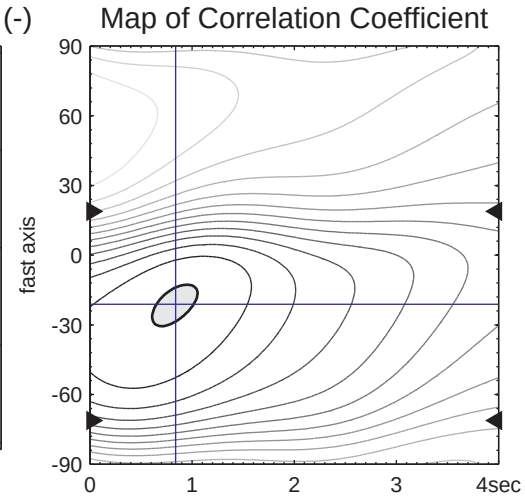


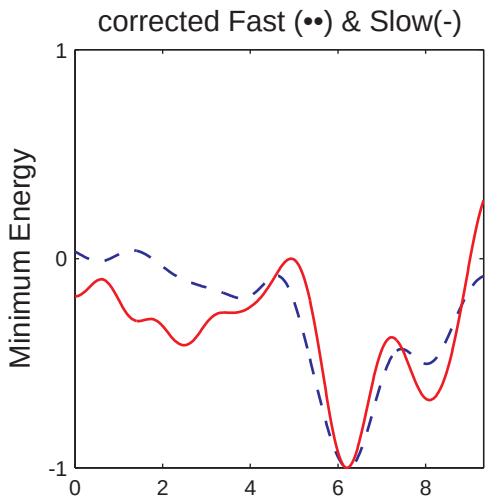
Inc = **10.8”**

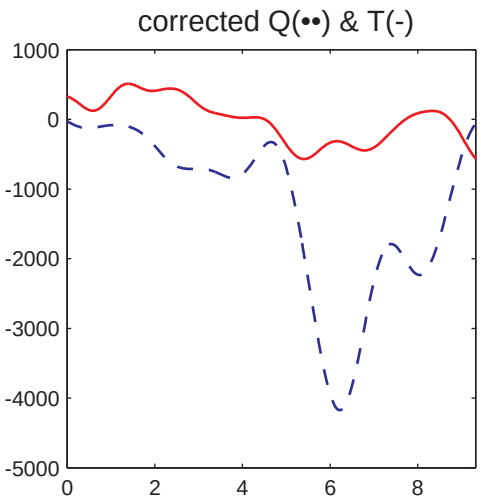


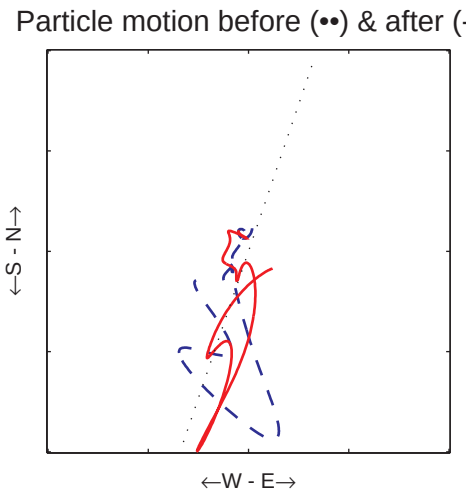


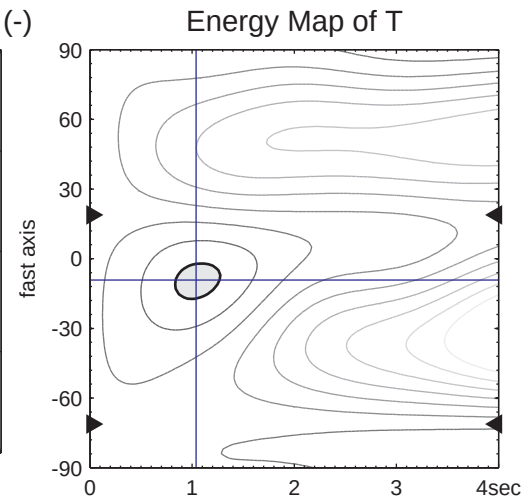


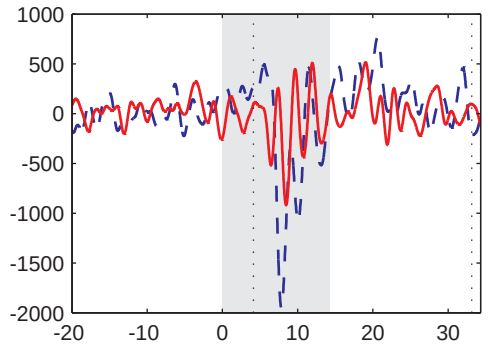








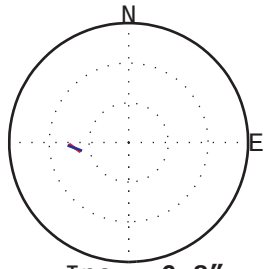




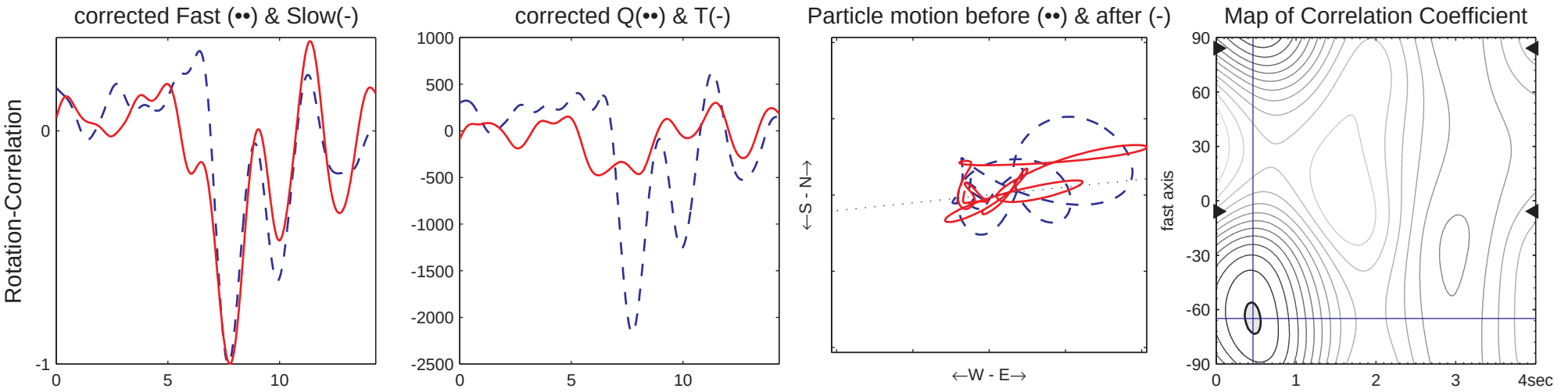
Event: **06-Mar-2011 (065) 12:31 -18.02N -69.36E 118km** Mw=**6.3**
Station: **KOZT** Backazimuth: **264.2”** Distance: **112.70”**
init.Pol.: **73.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.2**

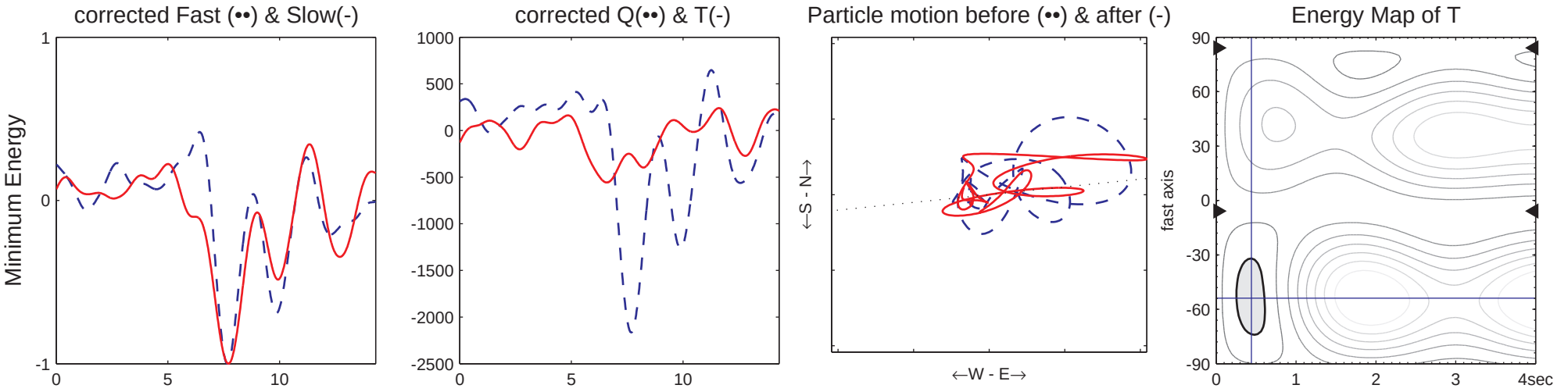
Rotation Correlation:	-74< -65° < -57	0.4<0.5s<0.6
Minimum Energy:	-76< -54° < -33	0.2<0.4s<0.6
Eigenvalue:	-90< -70° < -50	0.3<0.5s<0.6

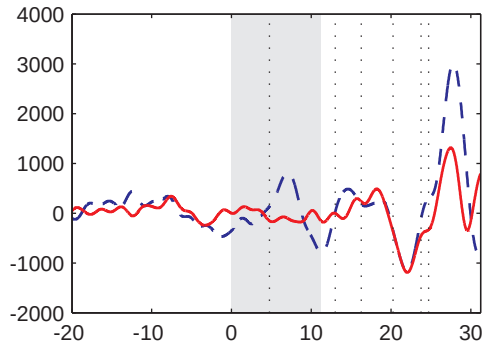
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



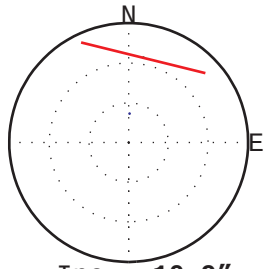




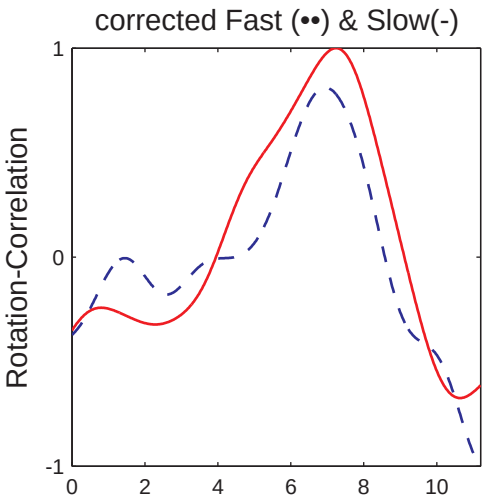
Event: **16-Jul-2011 (197) 19:59 54.79N -161.29E 36km Mw=6.1**
Station: **KOZT** Backazimuth: **9.8”** Distance: **86.57”**
init.Pol.: **197.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

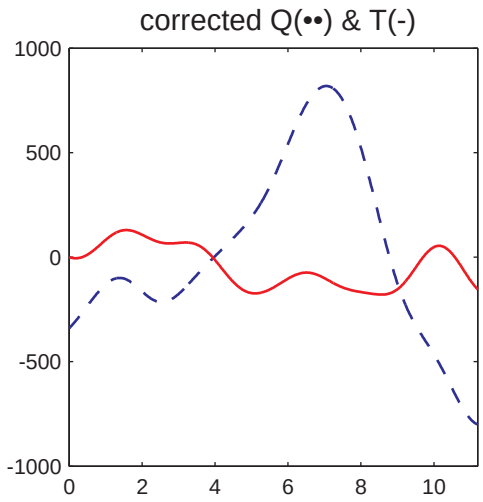
Rotation Correlation:	-48<	-27° <	-9	0.0<0.0s<0.3
Minimum Energy:	-Inf<	-76° <	Inf	0.0<4.0s<Inf
Eigenvalue:	5<	14° <	29	2.2<3.6s<4.0

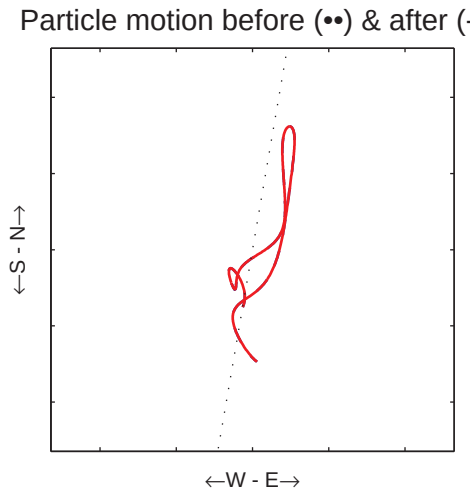
Quality: **good** IsNull: **Yes** Phase: **SKS**

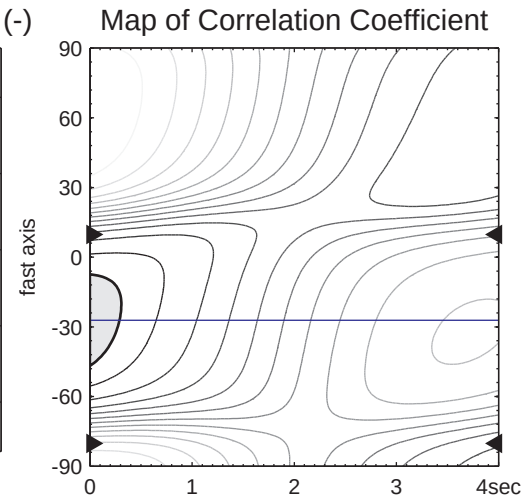


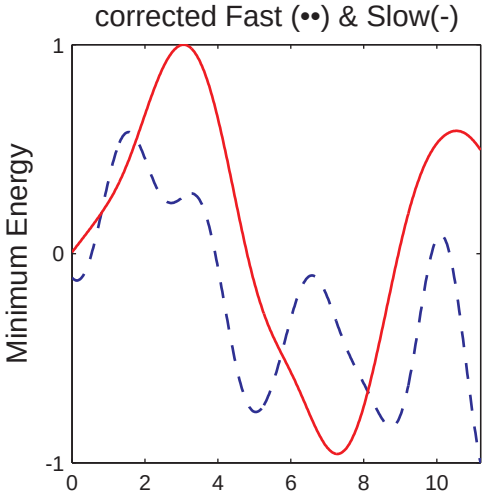
Inc = **10.9”**

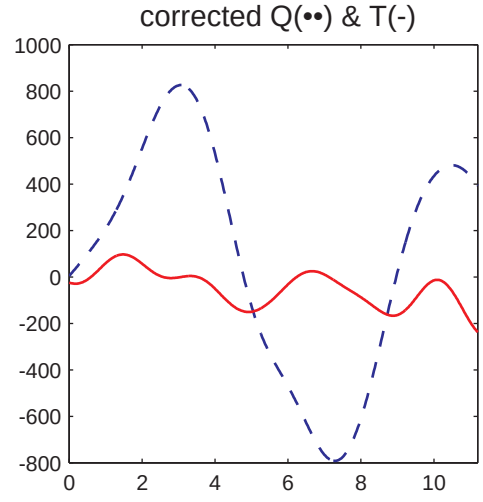


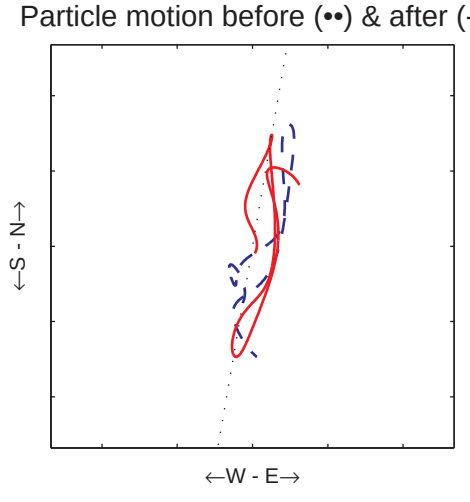


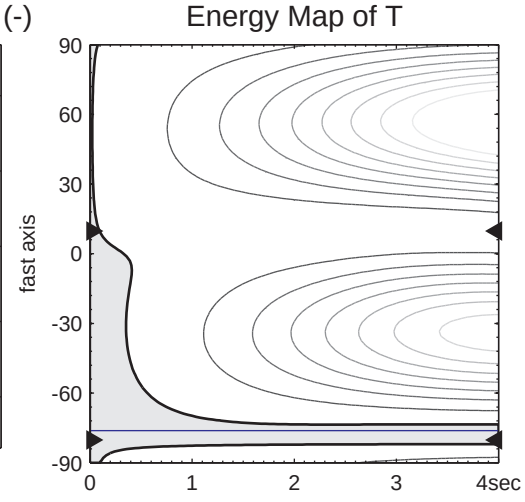


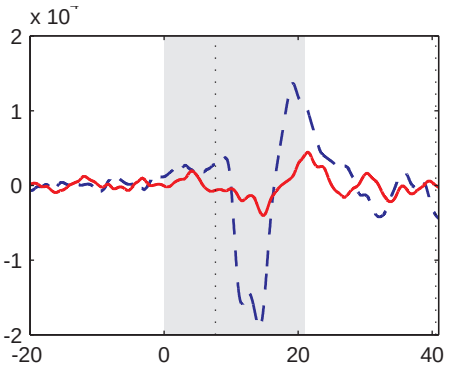








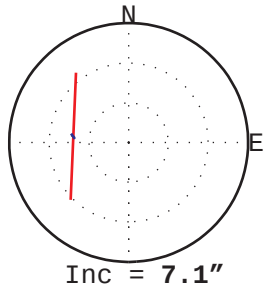


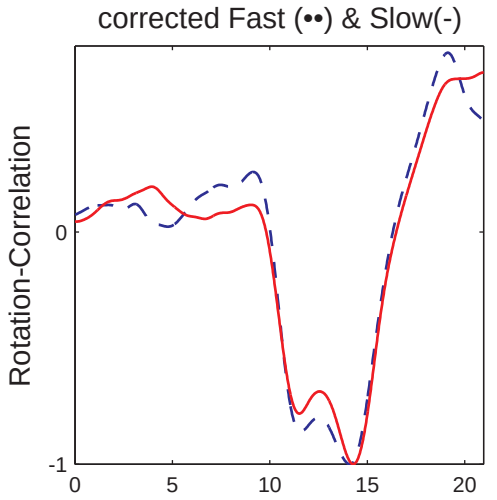


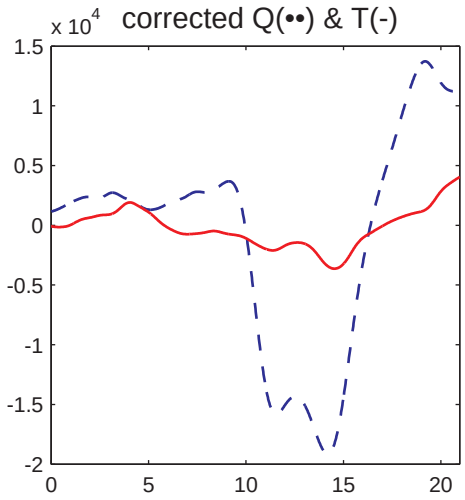
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **KOZT** Backazimuth: **276.4”** Distance: **110.76”**
init.Pol.: **87.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.1**

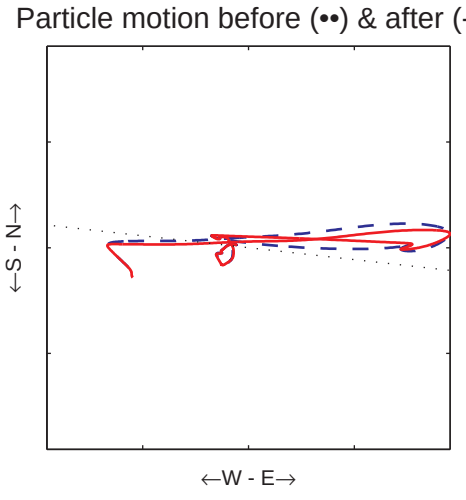
Rotation Correlation:	-68<	-46° < -26	0.0<0.1s<0.4
Minimum Energy:	-48<	2° < 7	0.1<4.0s<4.0
Eigenvalue:	-Inf<	-36° < Inf	0.0<0.2s<Inf

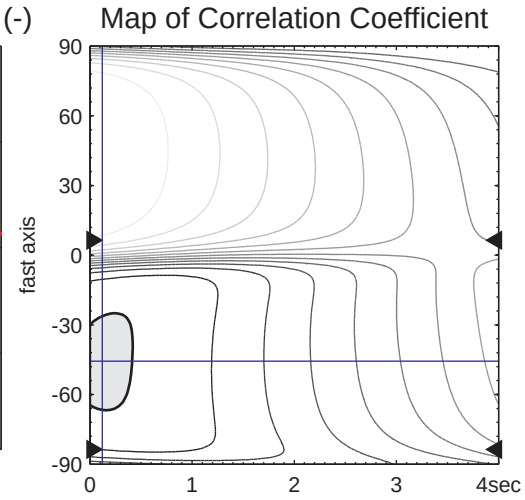
Quality: **good** IsNull: **Yes** Phase: **SKS**

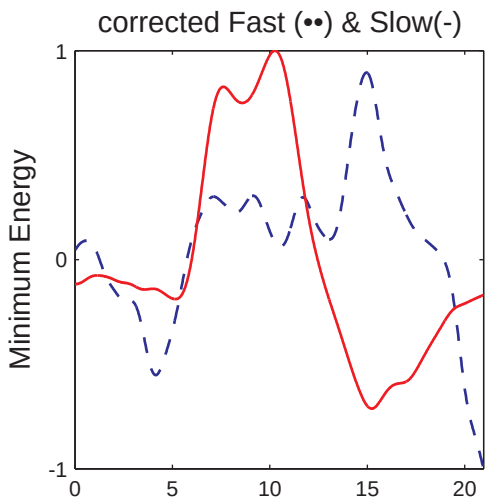


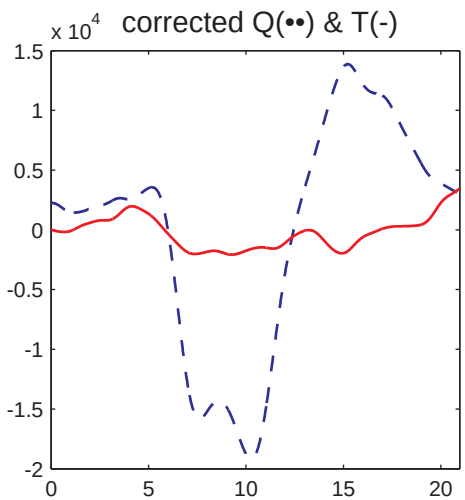


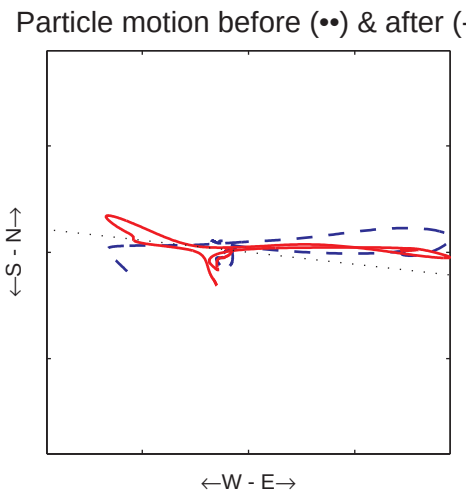


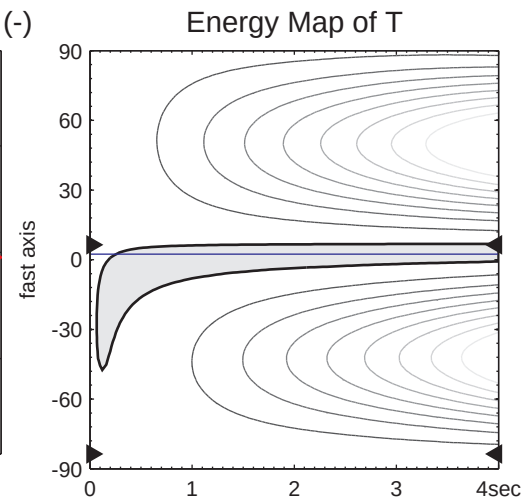


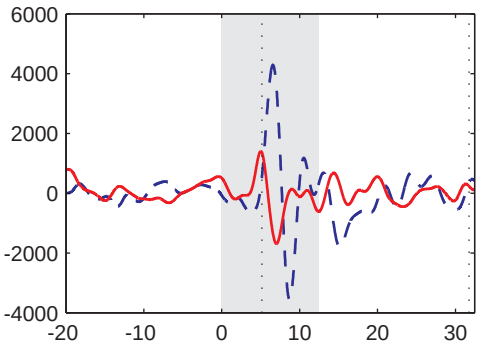








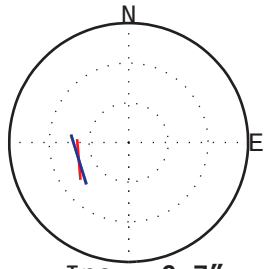


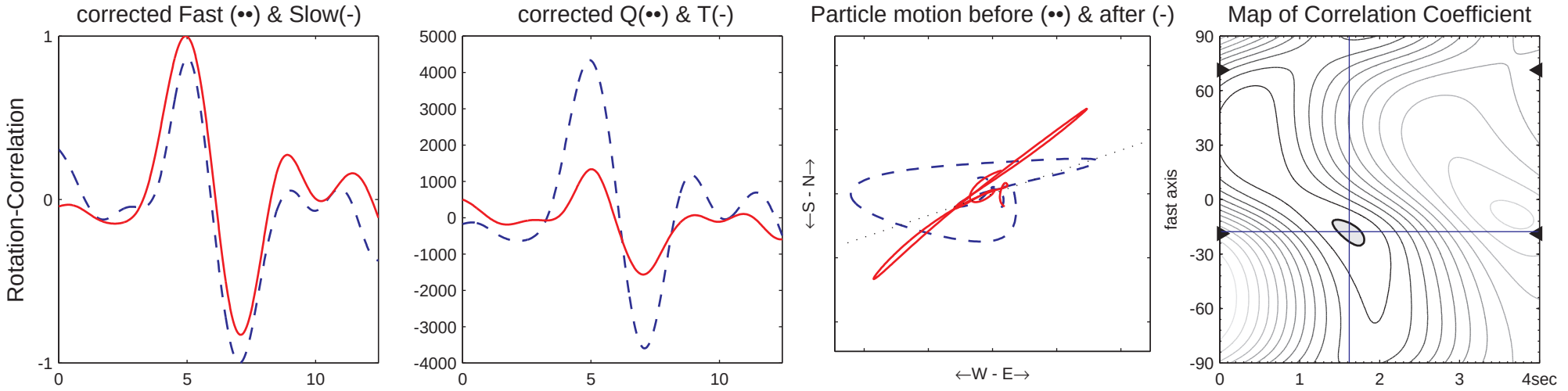


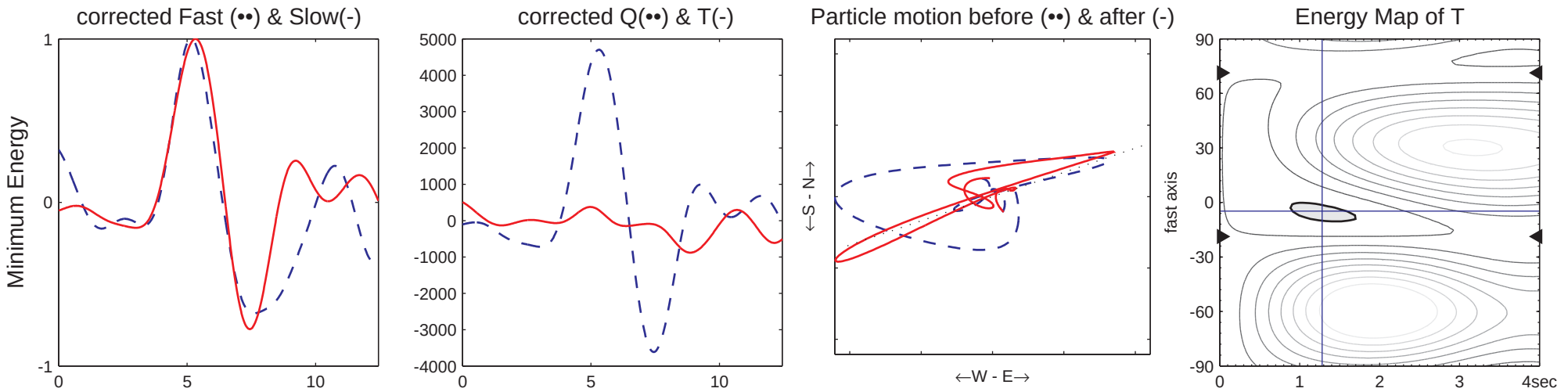
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **KOZT** Backazimuth: **251.3”** Distance: **113.38”**
init.Pol.: **54.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

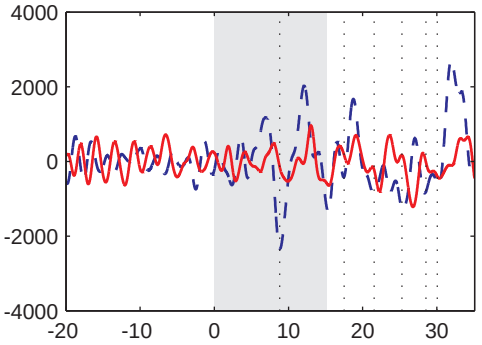
Rotation Correlation:	-27<	-18° < -13	1.4<1.6s<1.8
Minimum Energy:	-13<	-5° < -3	0.9<1.3s<1.7
Eigenvalue:	-25<	-17° < -13	1.4<1.6s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





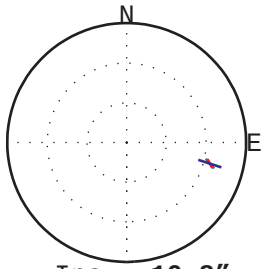




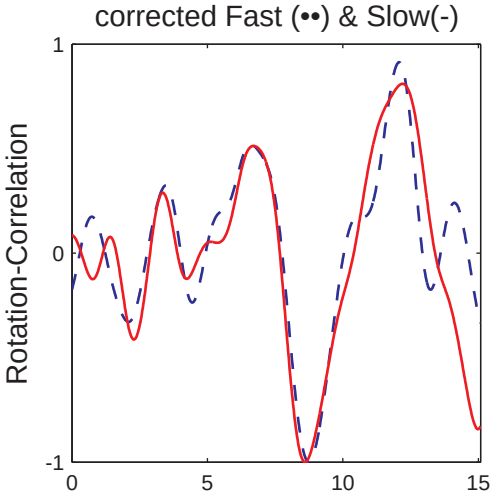
Event: **13-Oct-2011 (286) 03:16 -9.35N 114.59E 39km Mw=6.1**
Station: **KOZT** Backazimuth: **104.3”** Distance: **86.92”**
init.Pol.: **268.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

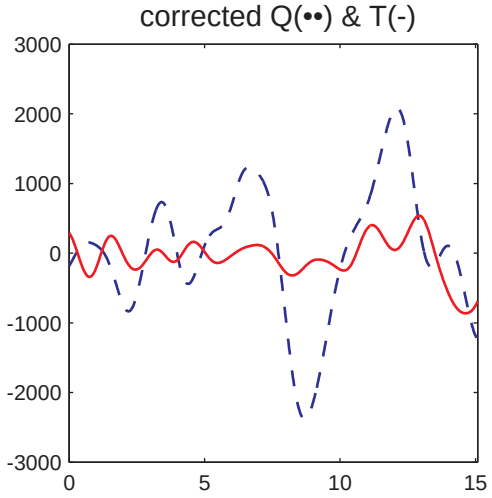
Rotation Correlation:	-53<	-41° <	-32	0.3<0.4s<0.5
Minimum Energy:	-64<	-30° <	3	0.1<0.3s<0.8
Eigenvalue:	-84<	-72° <	-54	0.4<0.8s<1.0

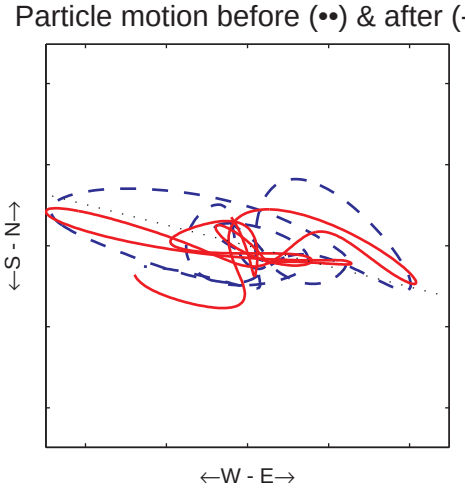
Quality: **fair** IsNull: **No** Phase: **SKS**

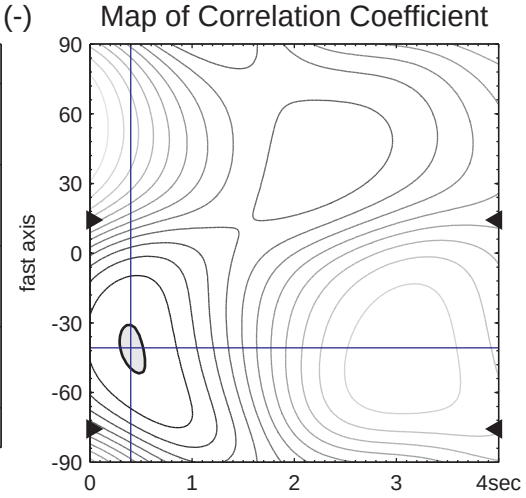


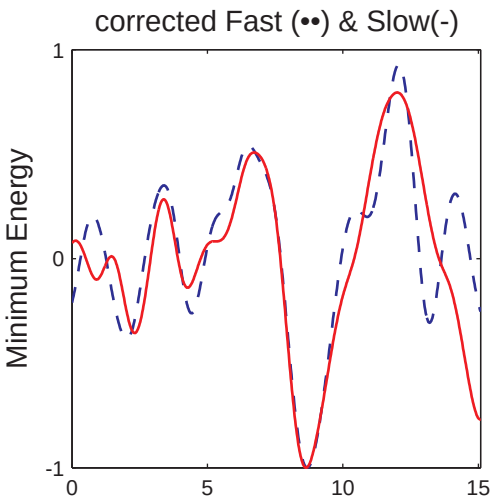
Inc = **10.8”**

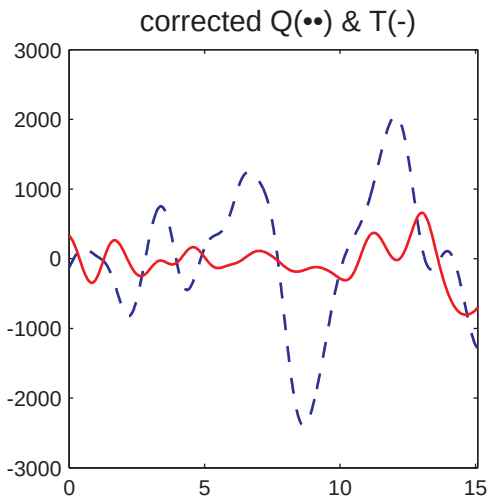


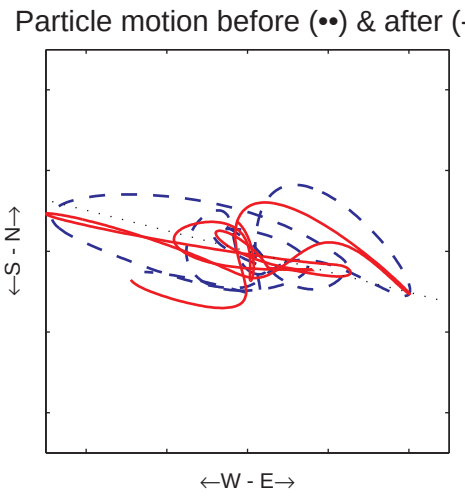


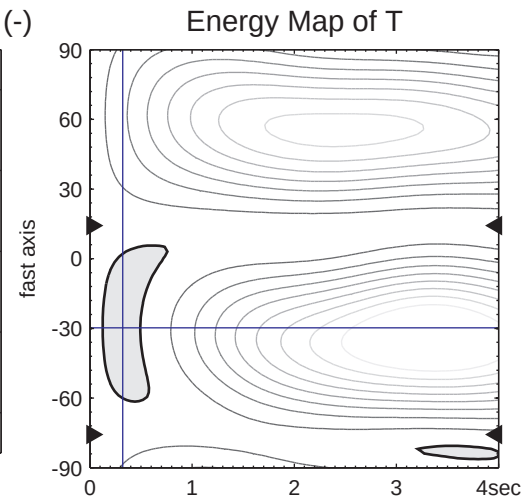


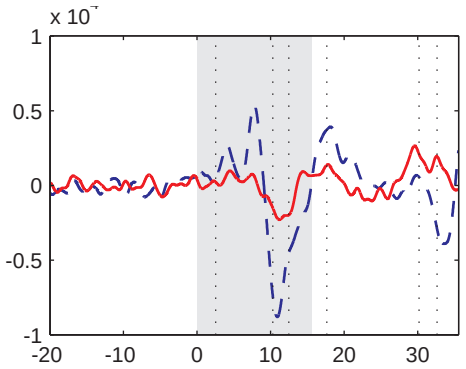








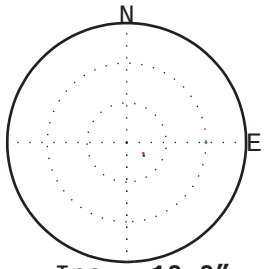




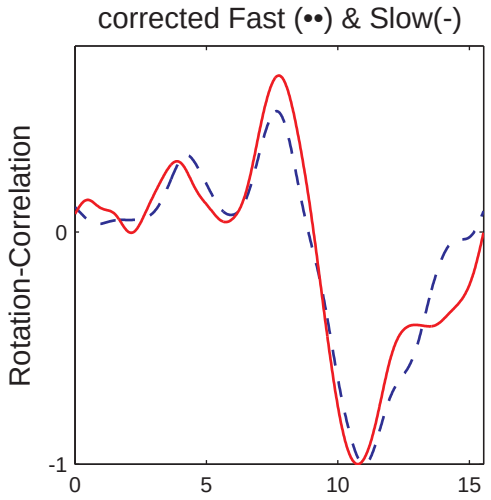
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **KOZT** Backazimuth: **90.1”** Distance: **91.44”**
init.Pol.: **265.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**12.2**

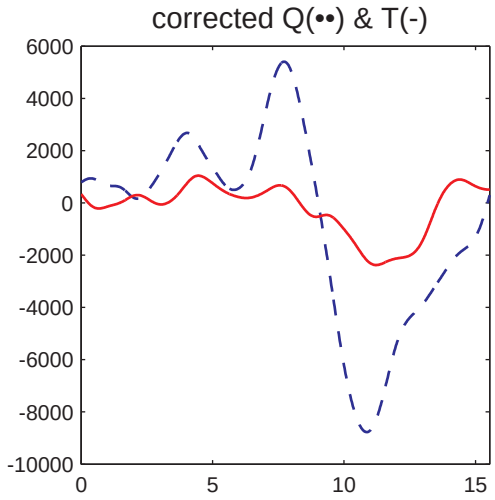
Rotation Correlation:	16<	32° <	51	0.0<0.1s<0.4
Minimum Energy:	80<	80° <	84	3.6<4.0s<4.0
Eigenvalue:	78<	78° <	84	3.5<4.0s<4.0

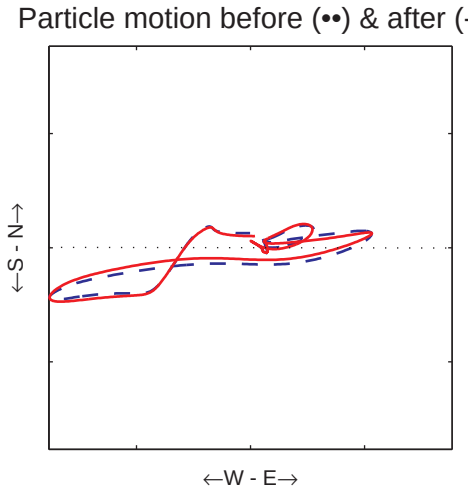
Quality: **good** IsNull: **Yes** Phase: **SKS**

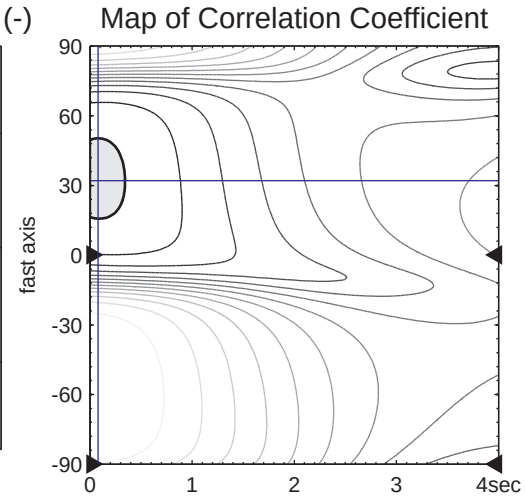


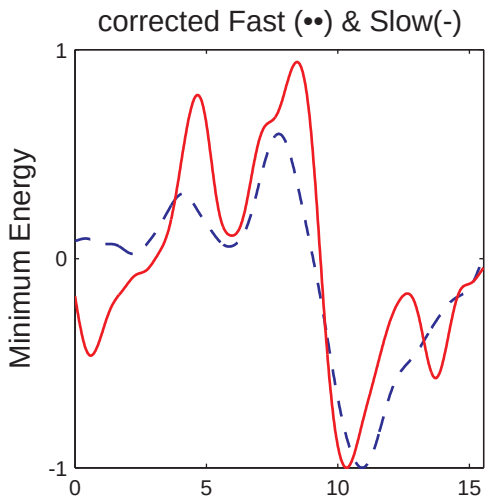
Inc = **10.0”**

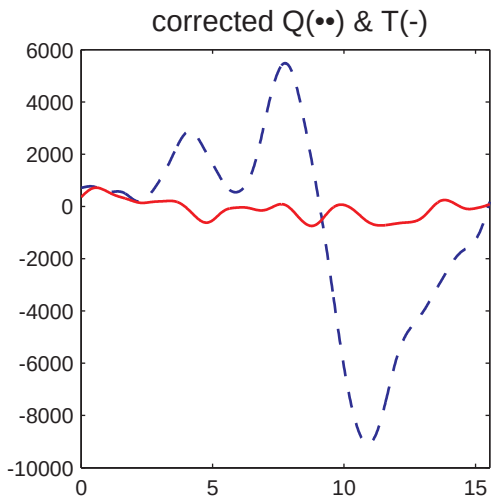


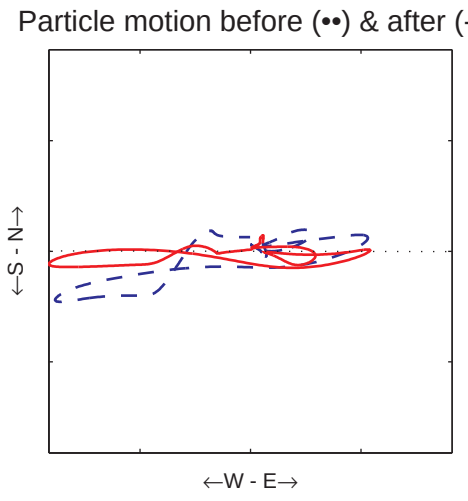


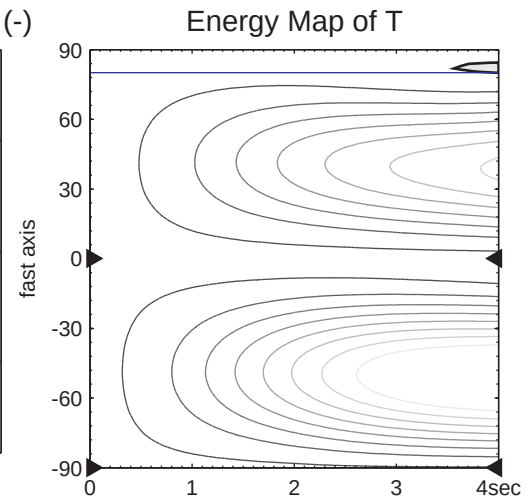


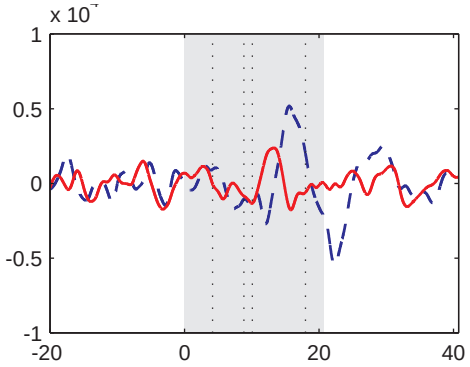








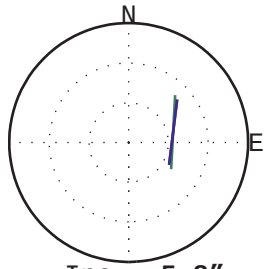




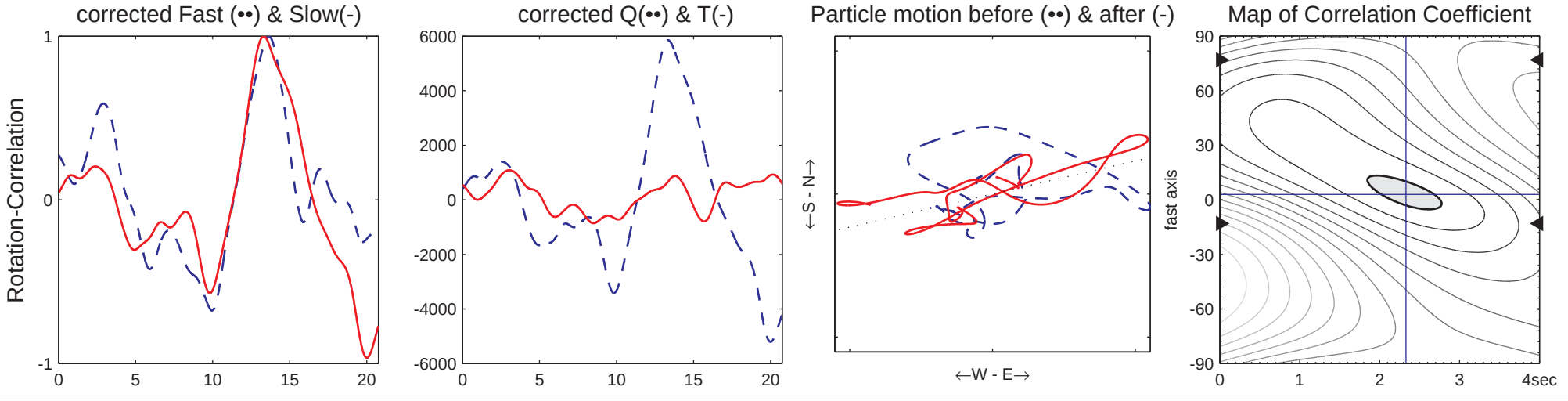
Event: **16-Aug-2007 (228) 08:39 -9.83N 159.47E 10km Mw=6.7**
Station: **KRT** Backazimuth: **76.9”** Distance: **122.23”**
init.Pol.: **257.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.4**

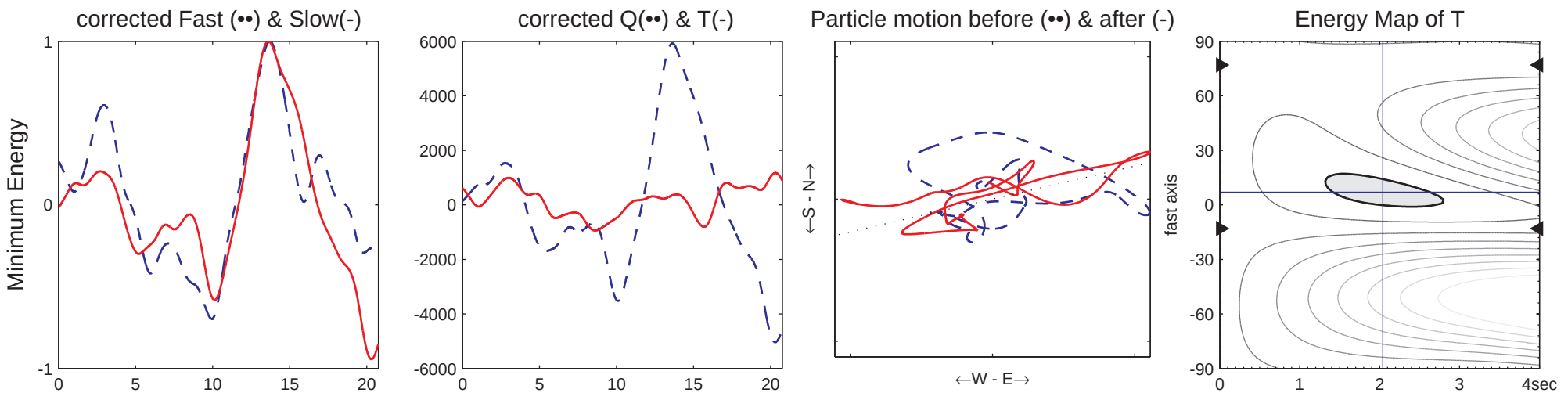
Rotation Correlation:	-6<	3° <	14	1.8<2.3s<2.8
Minimum Energy:	-1<	7° <	17	1.3<2.0s<2.8
Eigenvalue:	-3<	7° <	23	1.3<2.1s<2.8

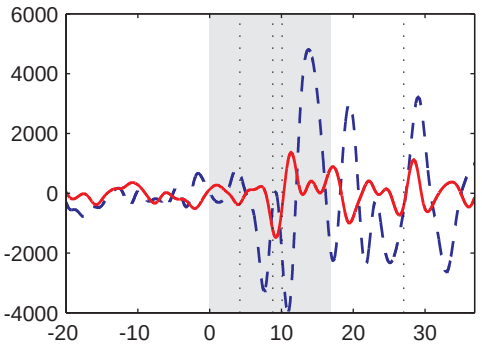
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **5.8”**



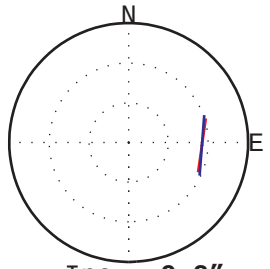


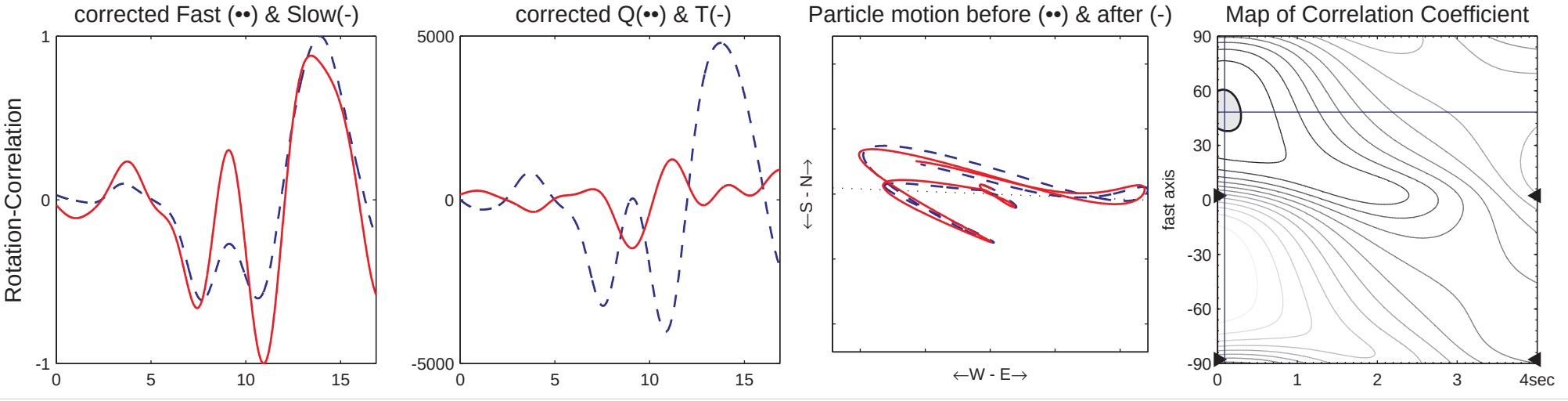


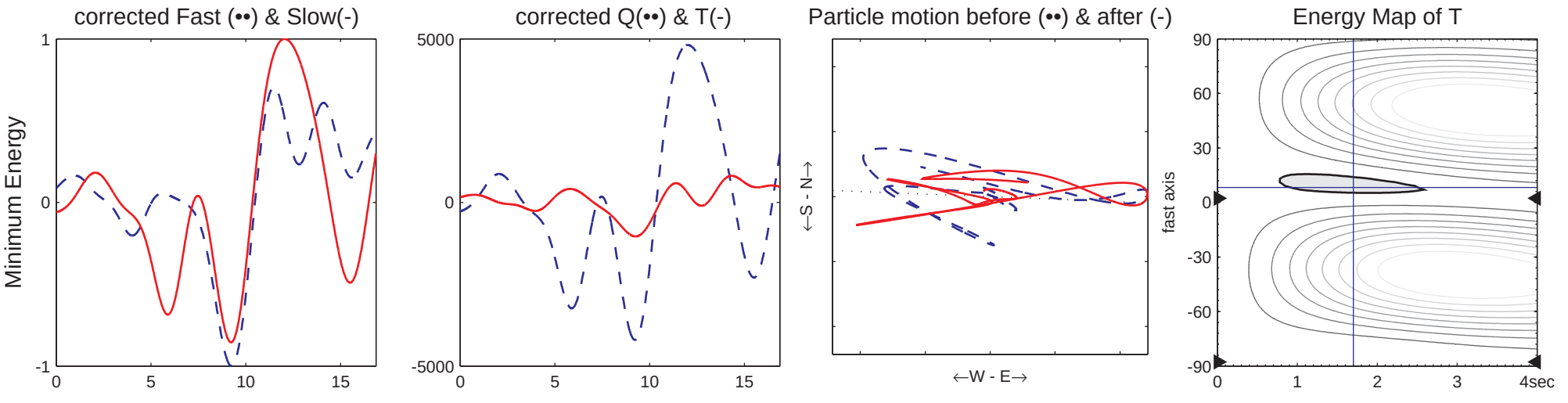
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **KRT** Backazimuth: **92.3”** Distance: **95.73”**
init.Pol.: **264.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.4**

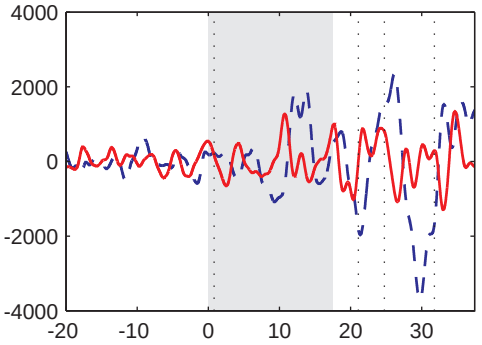
Rotation Correlation:	38<	48° <	61	0.0<0.1s<0.3
Minimum Energy:	5<	8° <	15	0.8<1.7s<2.6
Eigenvalue:	-1<	4° <	11	1.3<1.9s<2.4

Quality: **good** IsNull: **Yes** Phase: **SKS**





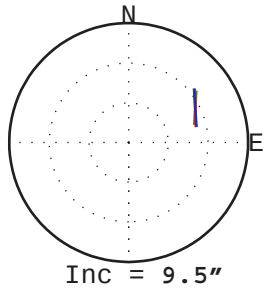


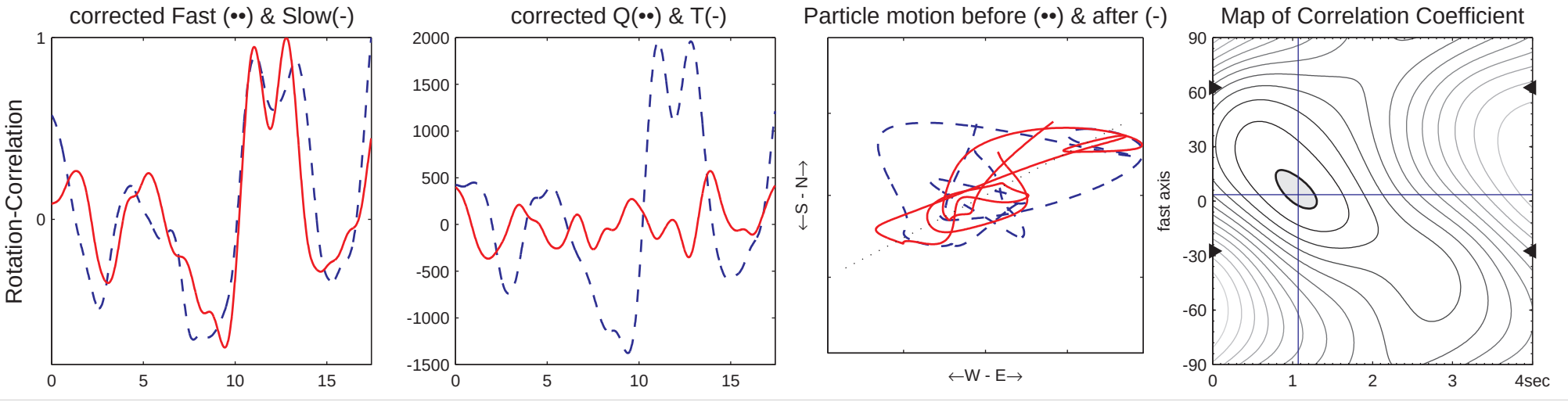


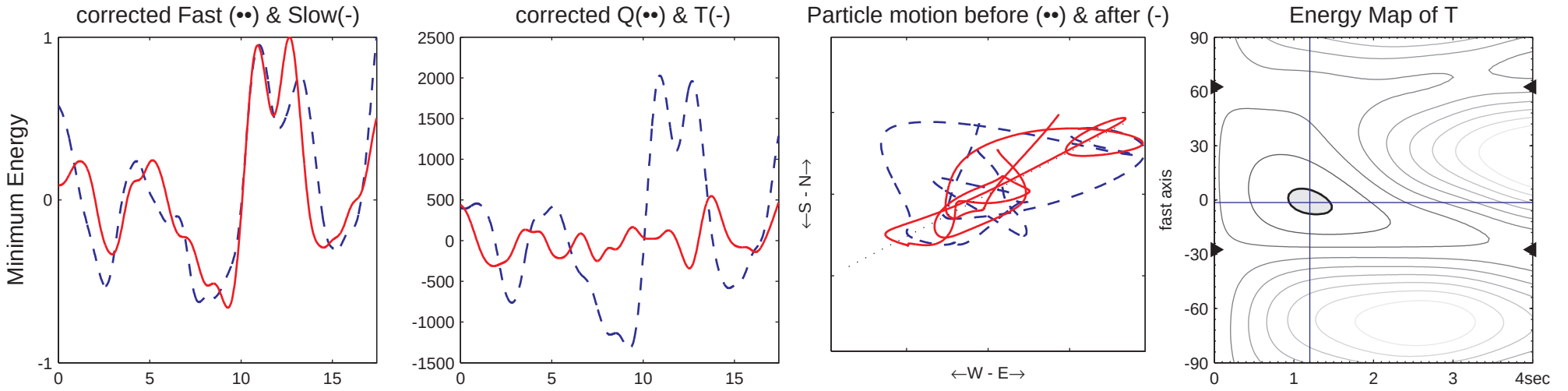
Event: 06-Oct-2007 (279) 12:38 18.72N 147.14E 61km Mw=6.1
Station: KRT Backazimuth: 62.5” Distance: 94.29”
init.Pol.: 240.2” Filter: 0.020Hz - 1.00Hz SNR_{SC}: 5.1

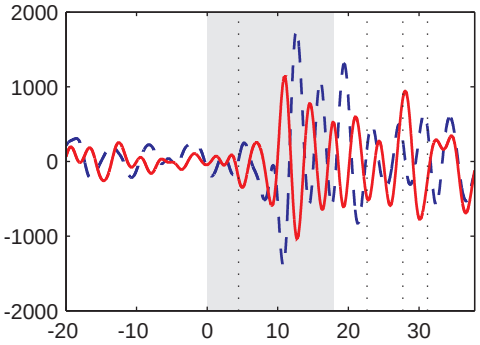
Rotation Correlation:	-5<	4° <	18	0.8<1.1s<1.3
Minimum Energy:	-9<	-1° <	5	0.9<1.2s<1.5
Eigenvalue:	-15<	-3° <	5	0.9<1.2s<1.5

Quality: fair IsNull: No Phase: SKS





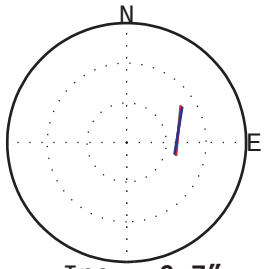


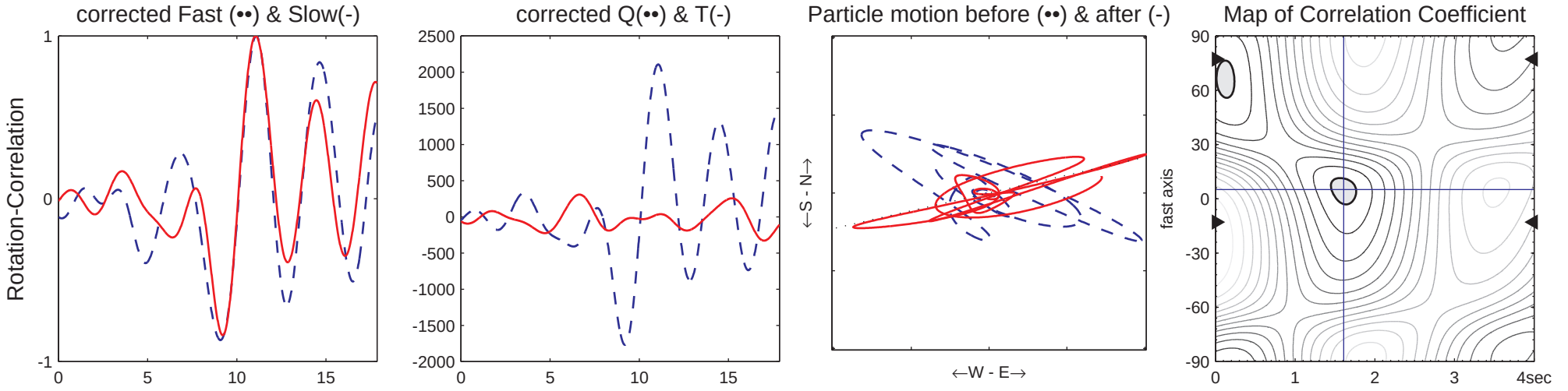


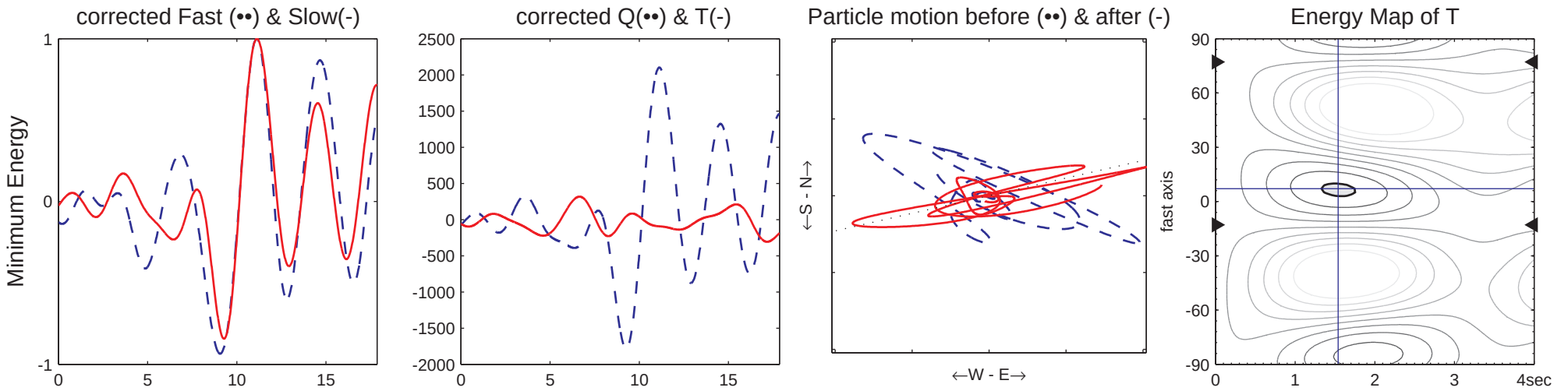
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **KRT** Backazimuth: **77.1”** Distance: **113.96”**
init.Pol.: **262.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

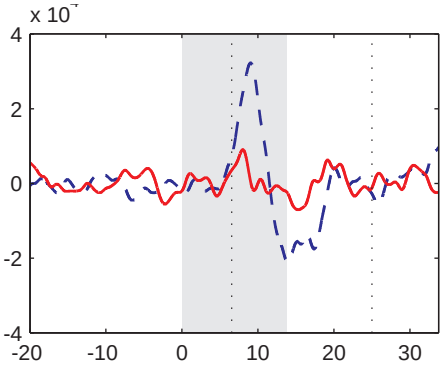
Rotation Correlation:	-4<	5° <	12	1.4<1.6s<1.8
Minimum Energy:	3<	7° <	9	1.3<1.5s<1.8
Eigenvalue:	1<	9° <	17	1.2<1.5s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





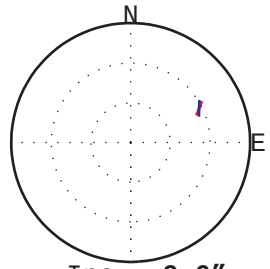


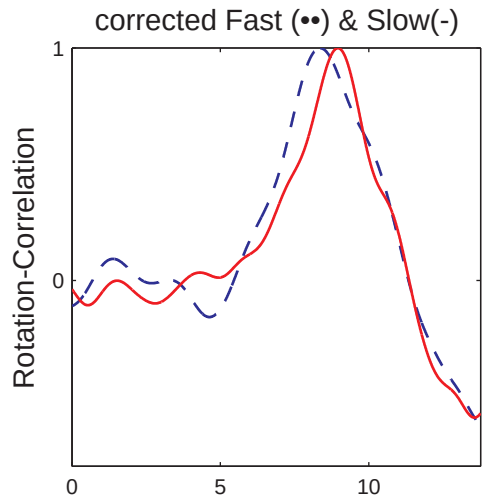


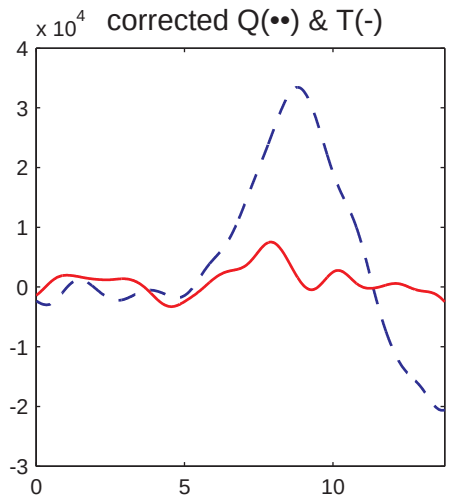
Event: **31-Oct-2007 (304) 03:30 18.90N 145.39E 207km Mw=7.2**
Station: **KRT** Backazimuth: **63.5”** Distance: **92.93”**
init.Pol.: **237.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.4**

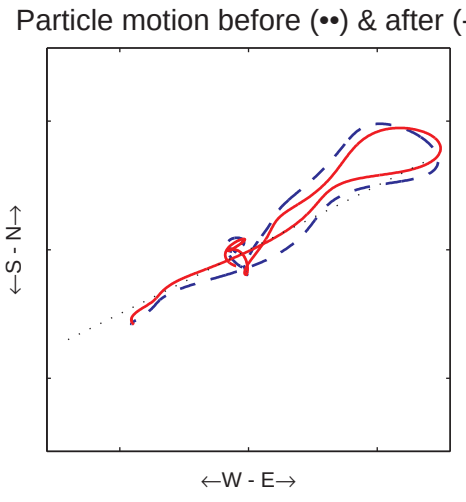
Rotation Correlation:	-4<	10° <	24	0.0<0.3s<0.5
Minimum Energy:	-13<	21° <	52	0.2<0.5s<1.0
Eigenvalue:	-21<	1° <	35	0.3<0.5s<1.0

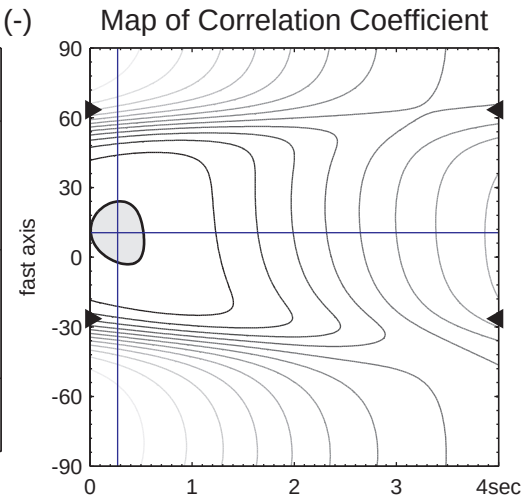
Quality: **fair** IsNull: **No** Phase: **SKS**

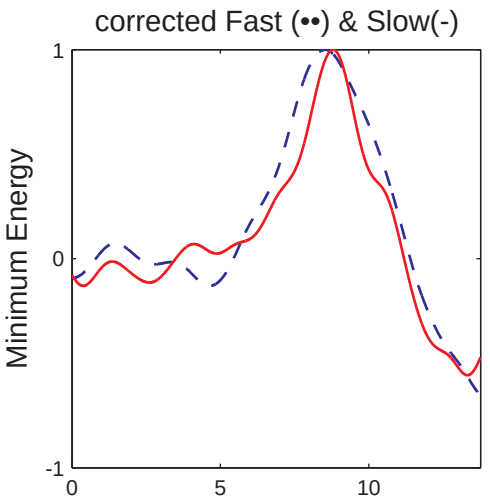


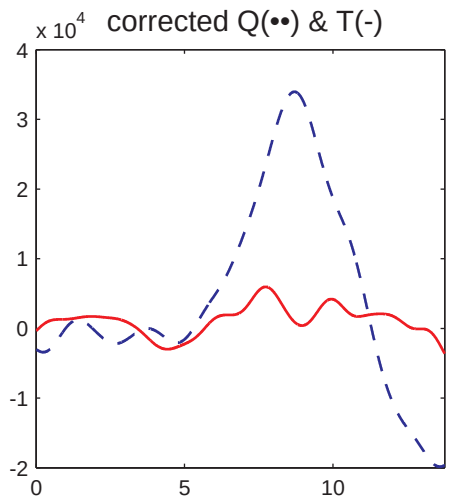


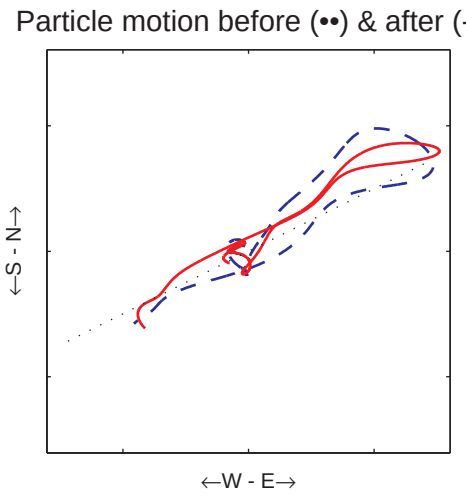


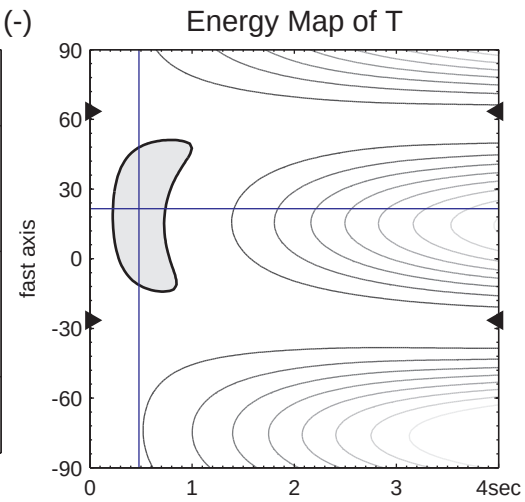


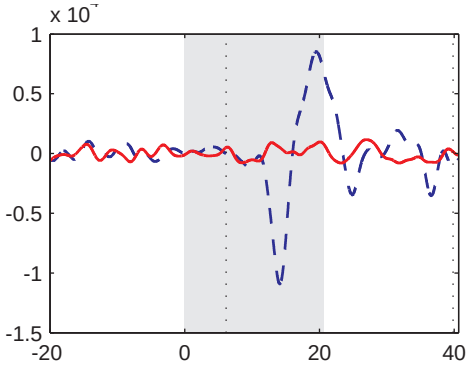








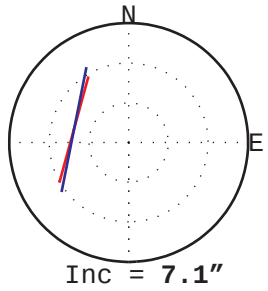


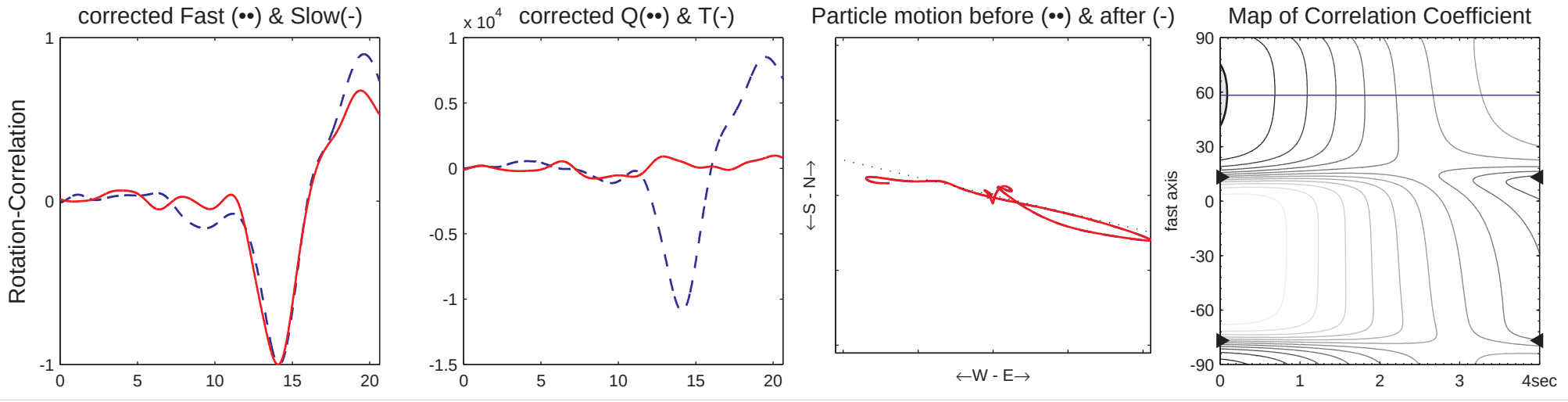


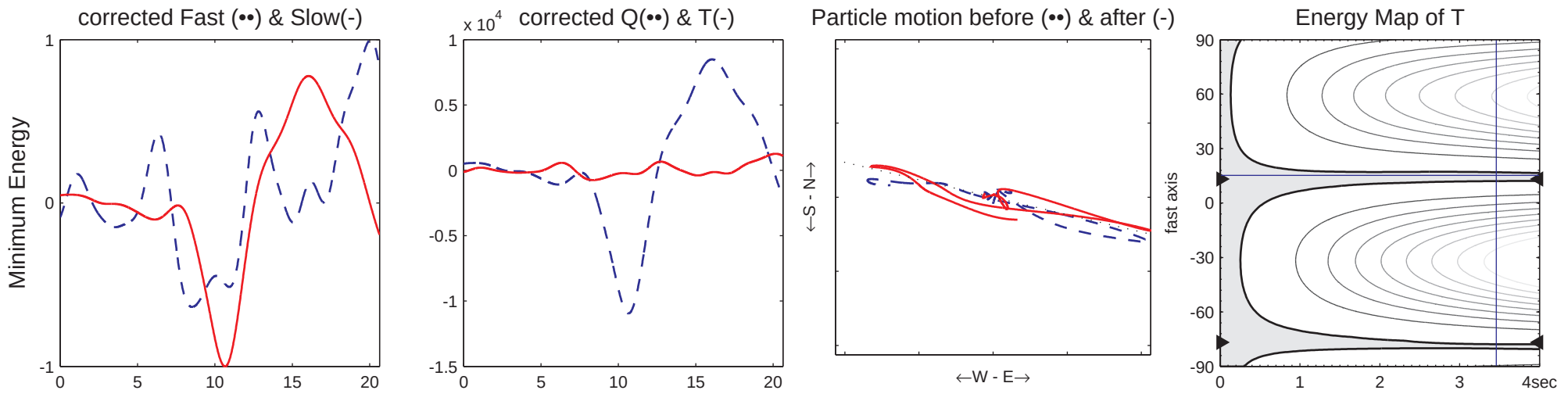
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **KRT** Backazimuth: **283.2”** Distance: **110.41”**
init.Pol.: **97.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.9**

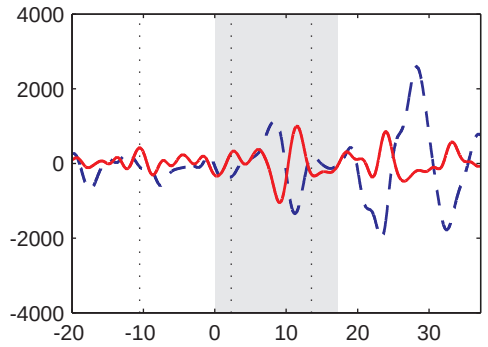
Rotation Correlation:	42<	58° <	75	0.0<0.0s<0.1
Minimum Energy:	-Inf<	15° <	Inf	0.0<3.5s<Inf
Eigenvalue:	9<	11° <	15	1.8<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





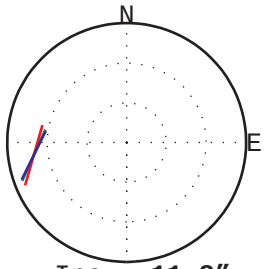




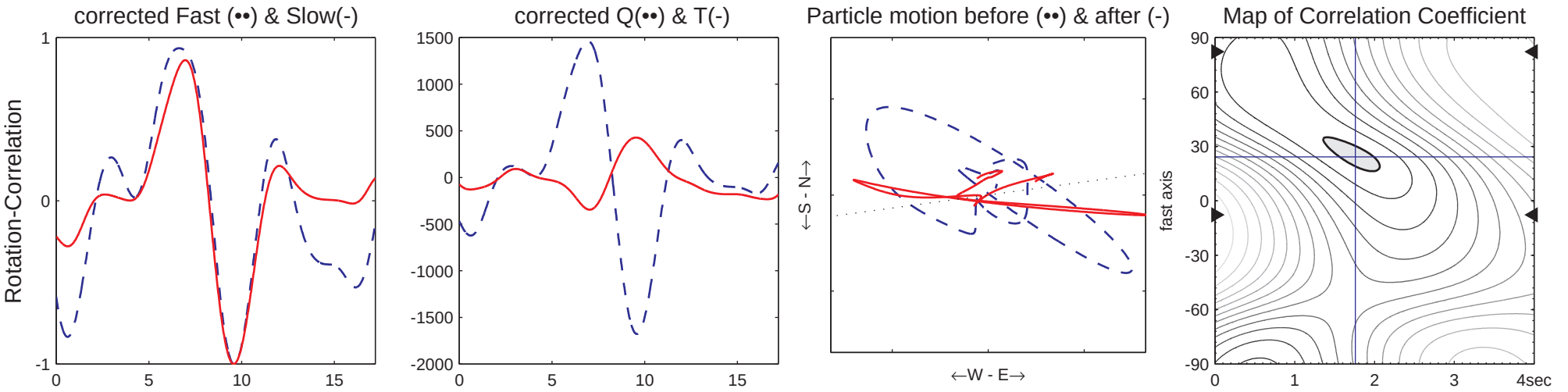
Event: **24-Mar-2008 (084) 20:39 -20.04N -68.96E 120km** Mw=**6.2**
Station: **KRT** Backazimuth: **262.2”** Distance: **113.79”**
init.Pol.: **95.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

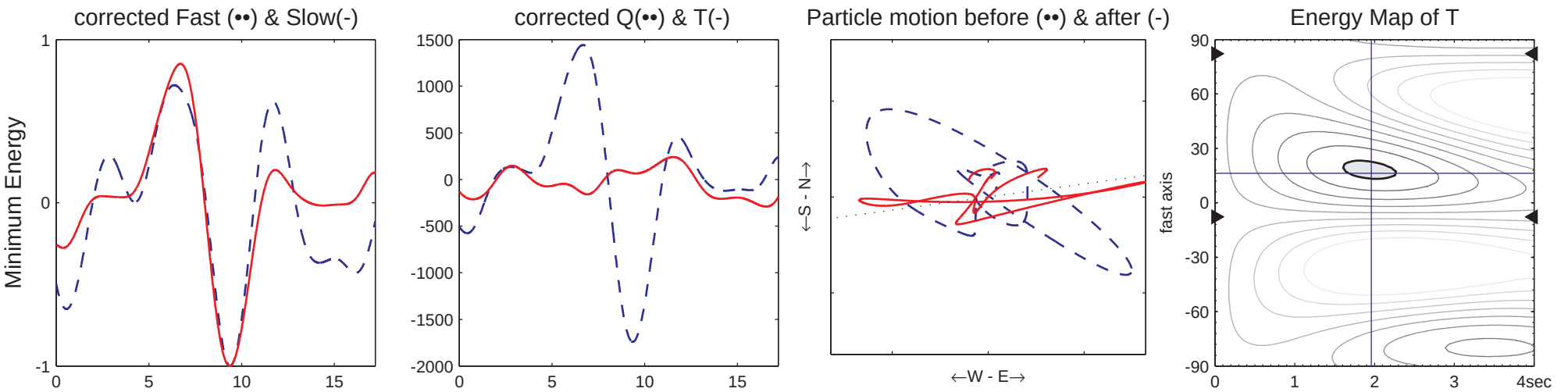
Rotation Correlation:	17<	24° <	35	1.4<1.8s<2.1
Minimum Energy:	13<	16° <	23	1.6<2.0s<2.3
Eigenvalue:	19<	26° <	37	1.3<1.7s<2.1

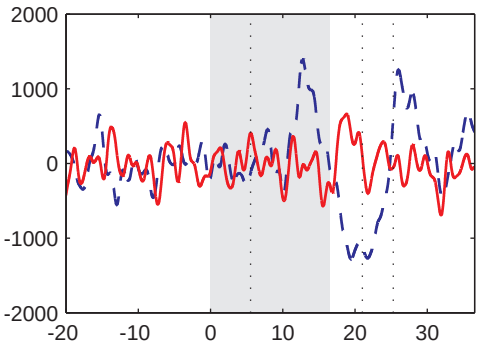
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.8”**



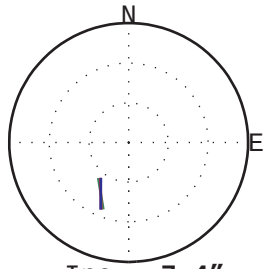




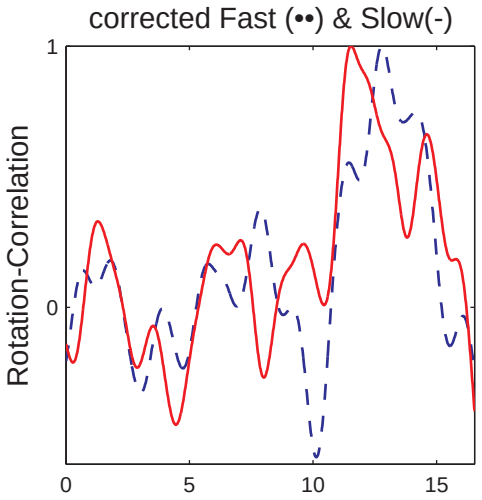
Event: **28-Apr-2008 (119) 15:57 -58.74N -24.71E 35km Mw=6.1**
Station: **KRT** Backazimuth: **208.6”** Distance: **108.48”**
init.Pol.: **29.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

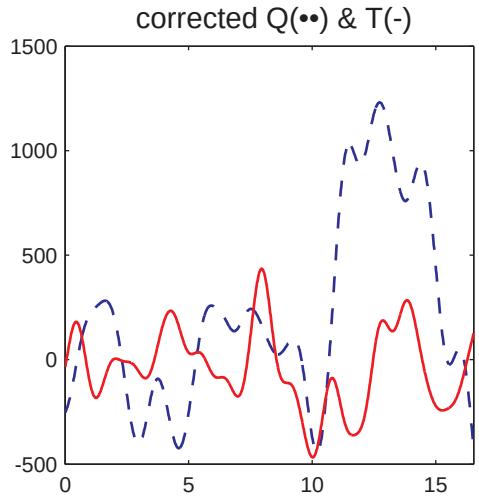
Rotation Correlation:	-16<	-9° <	-4	0.8<1.0s<1.2
Minimum Energy:	-23<	-1° <	11	0.6<1.0s<1.3
Eigenvalue:	-21<	1° <	17	0.6<1.0s<1.3

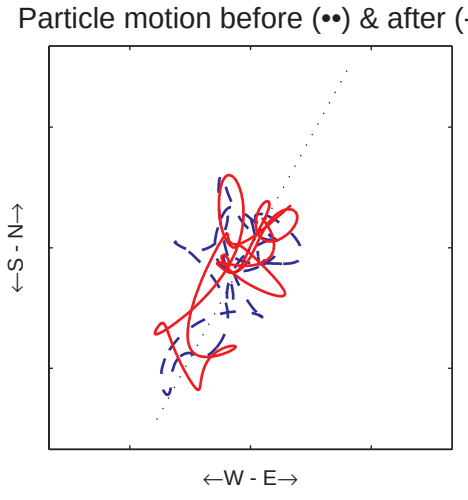
Quality: **good** IsNull: **No** Phase: **SKS**

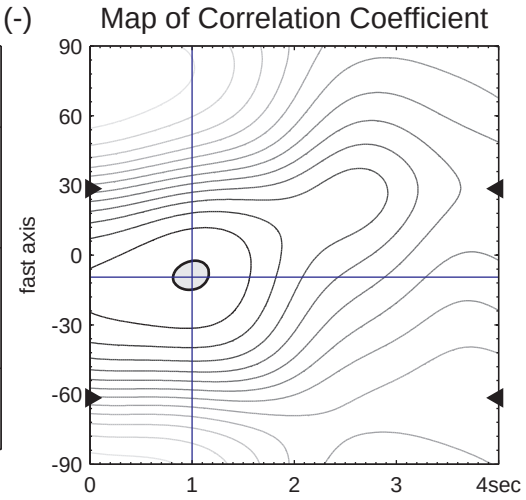


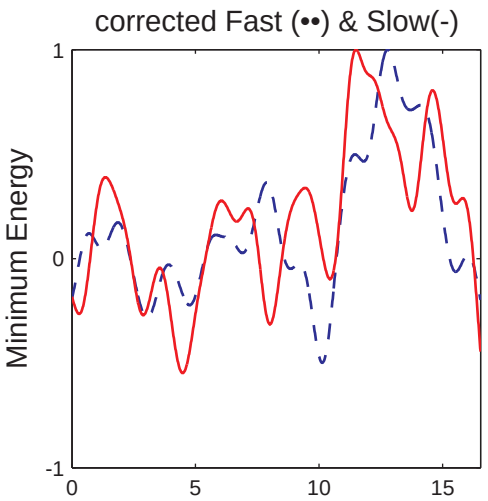
Inc = **7.4”**

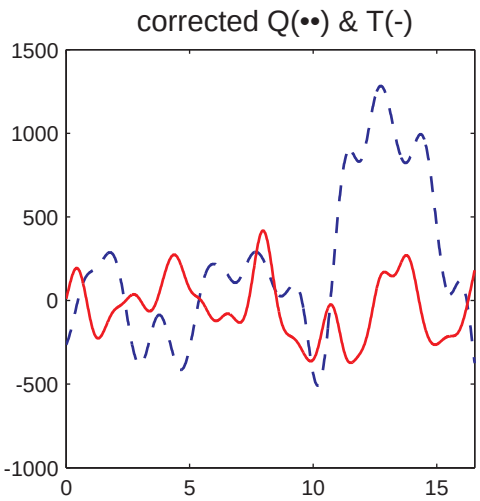


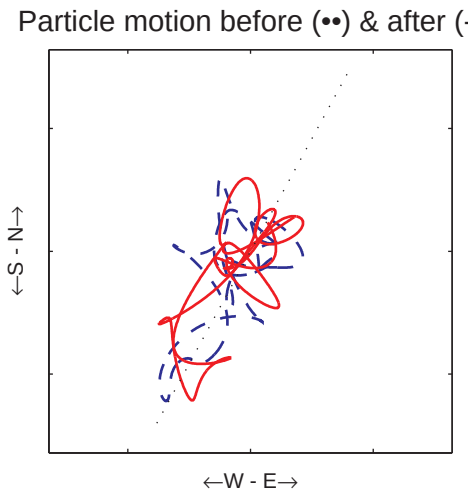


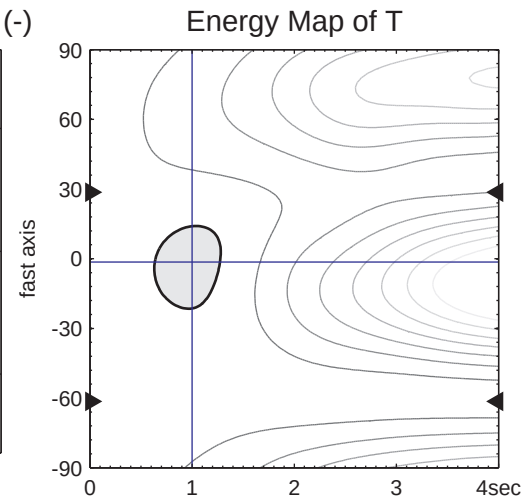


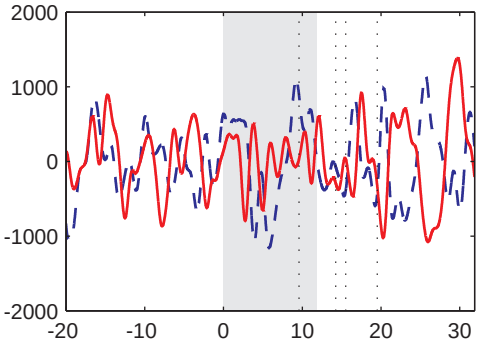








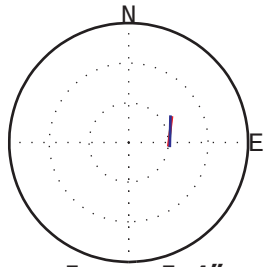




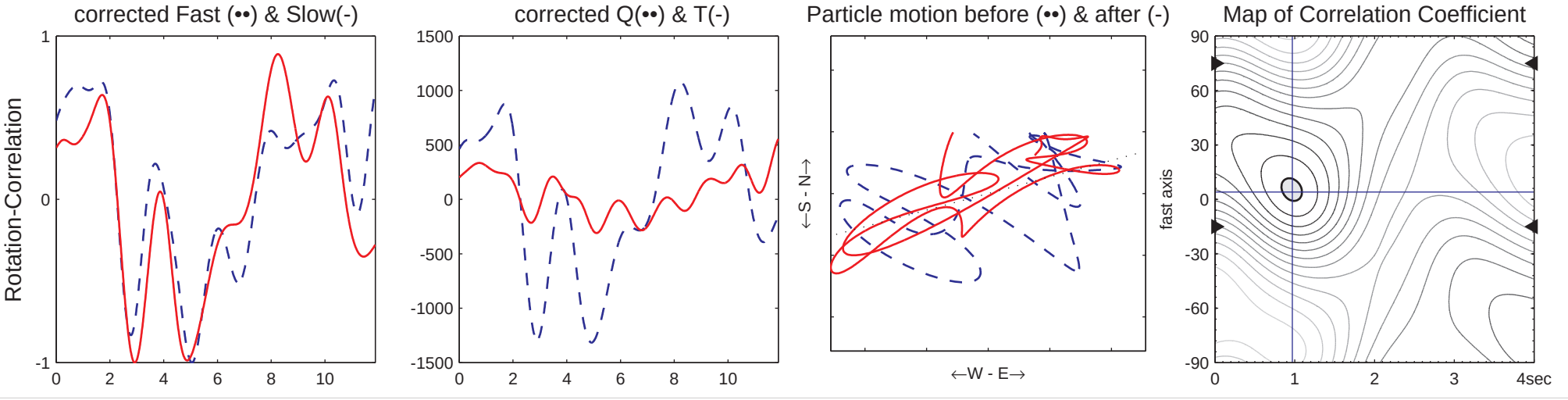
Event: **28-Jul-2008 (210) 21:40 -10.58N 163.10E 10km Mw=6.0**
Station: **KRT** Backazimuth: **75.0”** Distance: **125.50”**
init.Pol.: **244.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

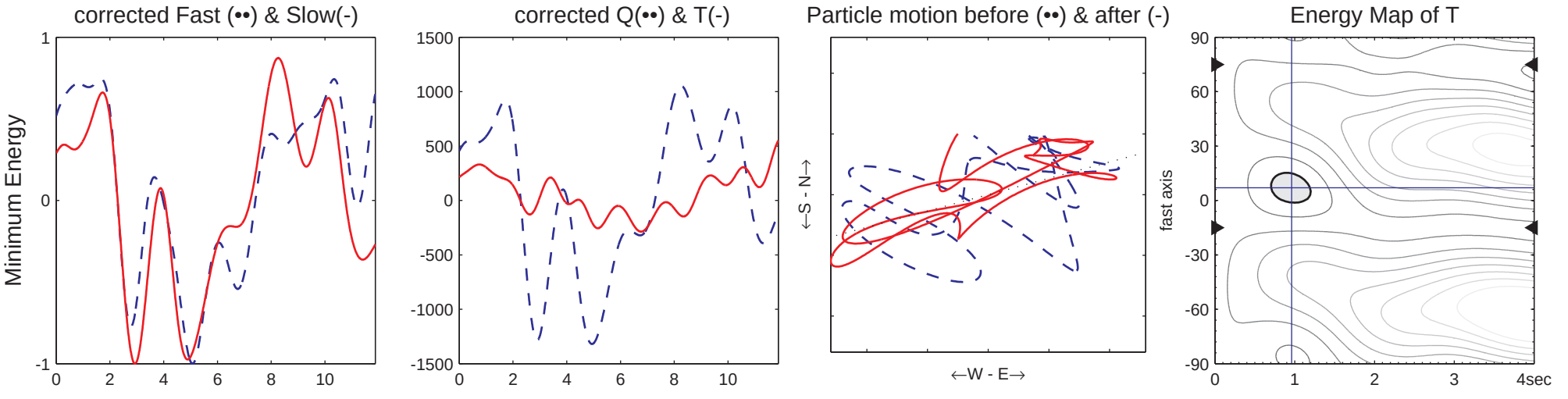
Rotation Correlation:	-1<	4° <	12	0.8<1.0s<1.1
Minimum Energy:	-1<	7° <	15	0.7<1.0s<1.2
Eigenvalue:	-7<	1° <	9	0.8<1.0s<1.2

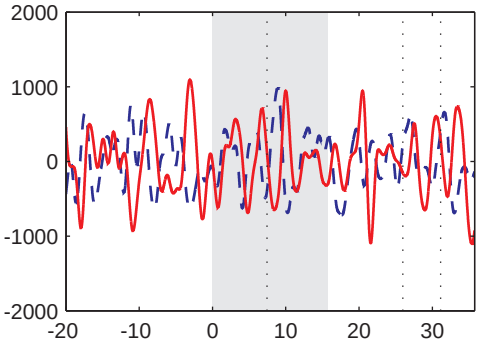
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **5.4”**



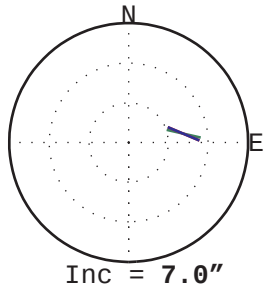


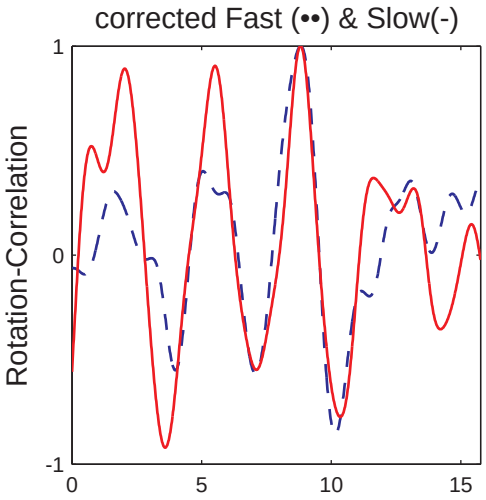


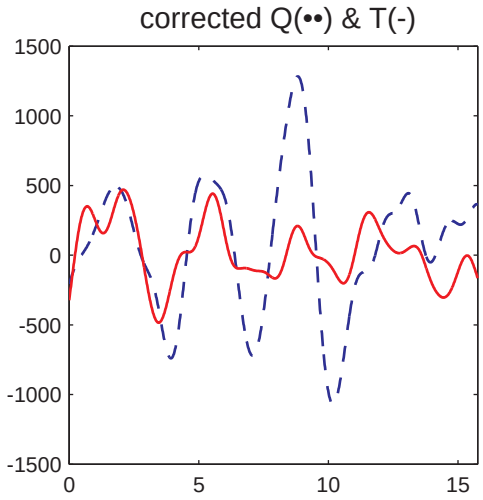
Event: **22-Jan-2009 (022) 13:40 -5.91N 148.51E 44km Mw=6.1**
Station: **KRT** Backazimuth: **81.0”** Distance: **111.26”**
init.Pol.: **260.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

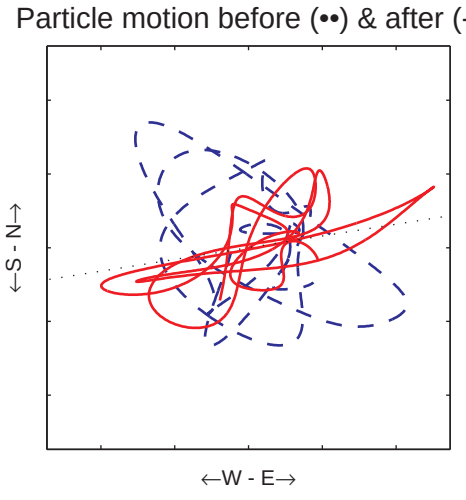
Rotation Correlation:	81<	-77° <	-53	0.9<1.1s<1.3
Minimum Energy:	-78<	-67° <	-60	0.8<1.1s<1.3
Eigenvalue:	86<	-67° <	-37	0.7<1.1s<1.4

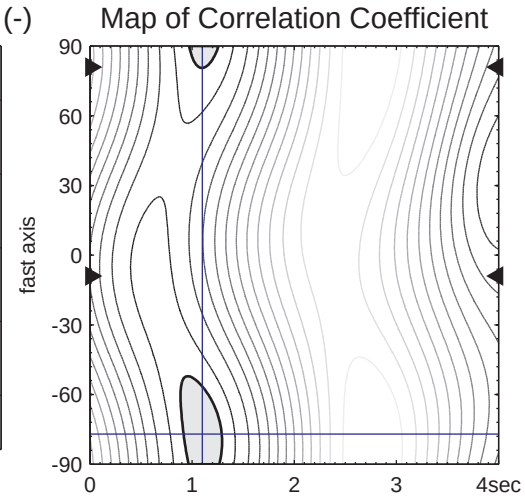
Quality: **fair** IsNull: **No** Phase: **SKS**

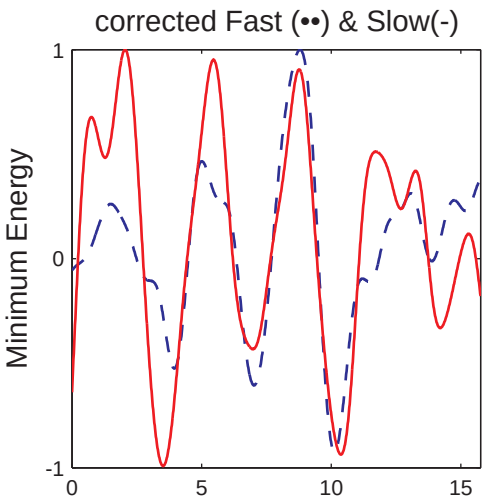


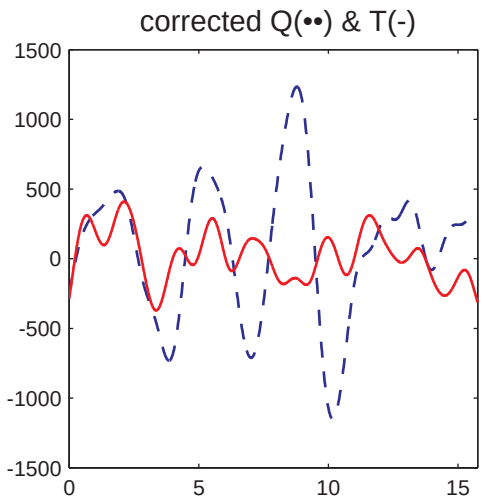


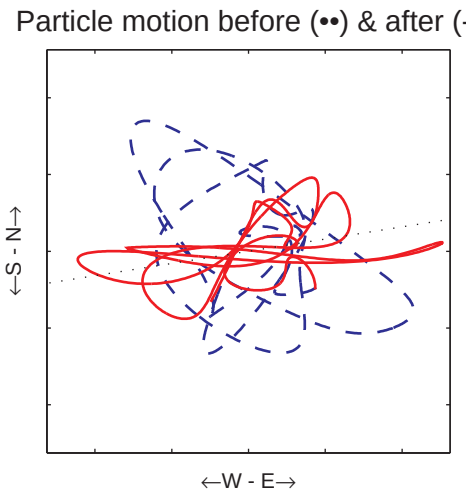


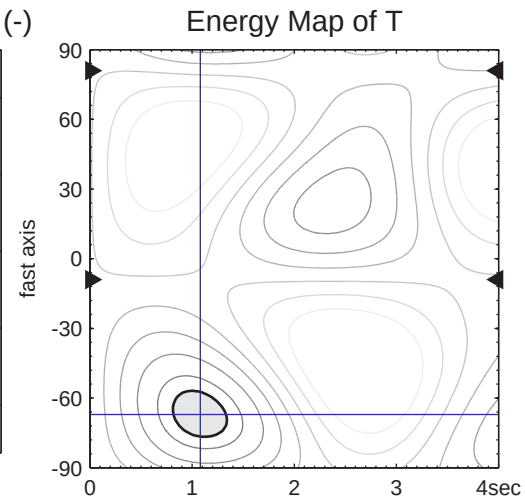


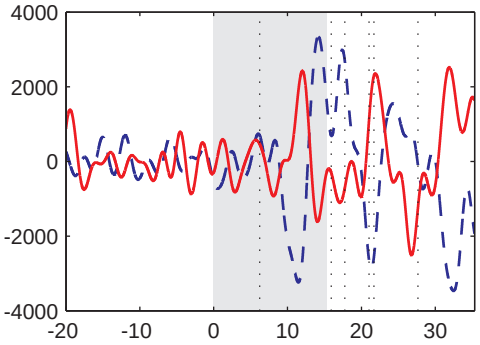








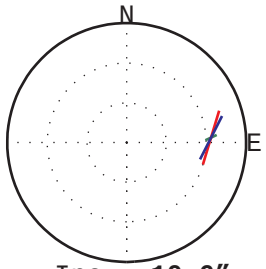




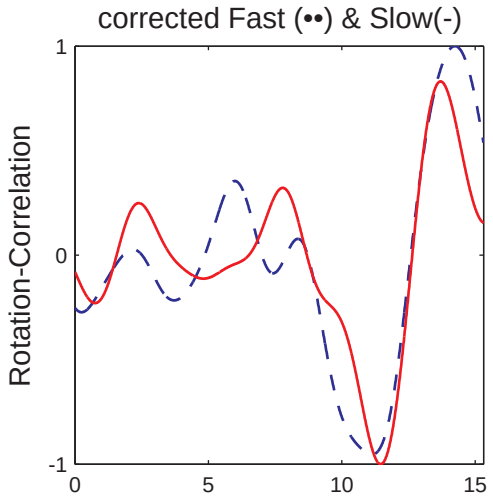
Event: **12-Feb-2009 (043) 03:49** **3.95N 126.41E** **26km** Mw=**6.0**
Station: **KRT** Backazimuth: **86.7”** Distance: **87.76”**
init.Pol.: **280.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

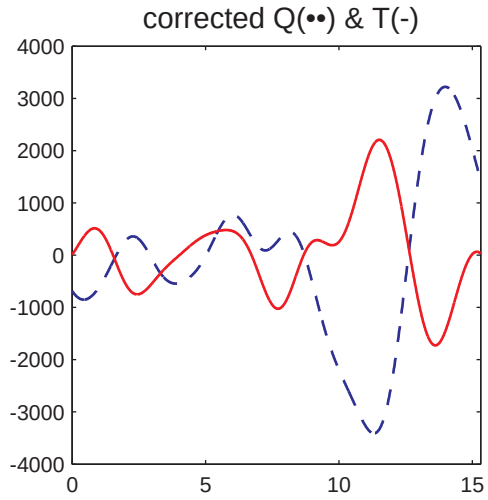
Rotation Correlation:	53<	65° <	79	0.2<0.4s<0.6
Minimum Energy:	11<	17° <	23	1.4<1.8s<2.2
Eigenvalue:	19<	27° <	35	1.1<1.5s<1.9

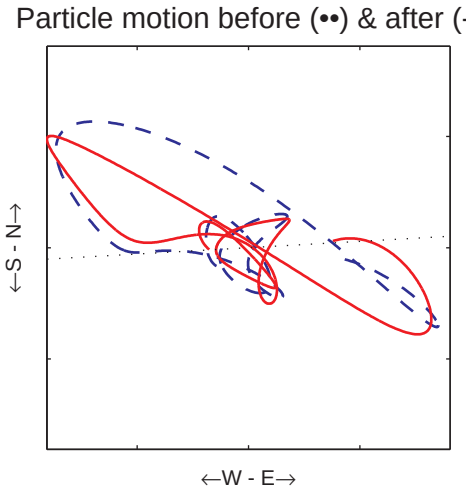
Quality: **fair** IsNull: **Yes** Phase: **SKS**

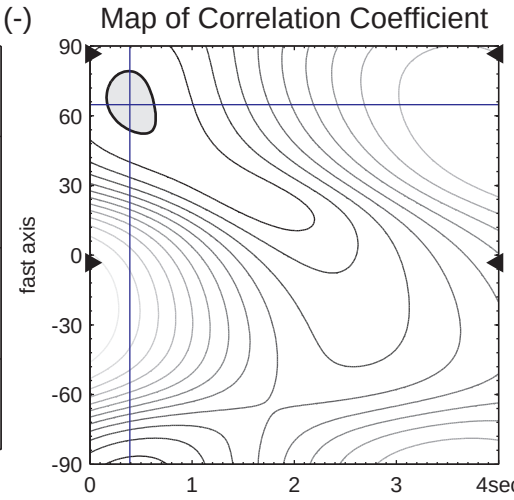


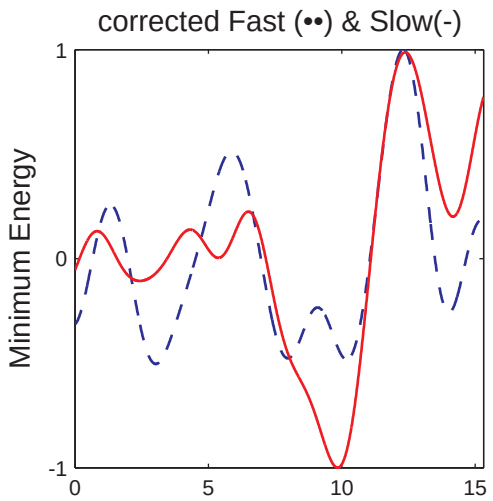
Inc = **10.6”**

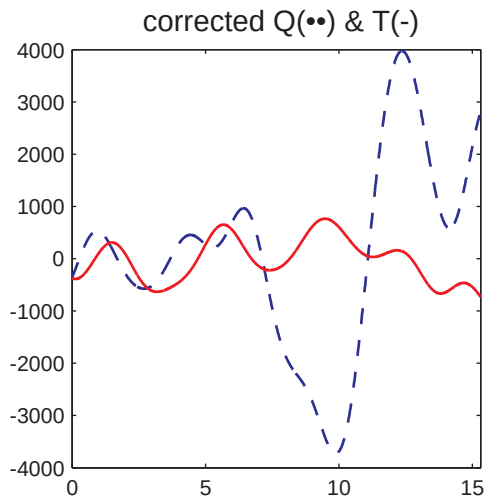


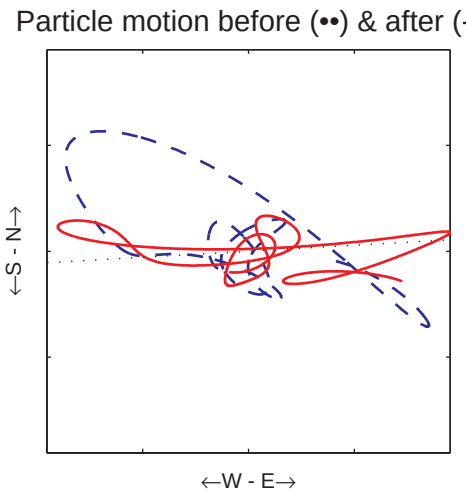


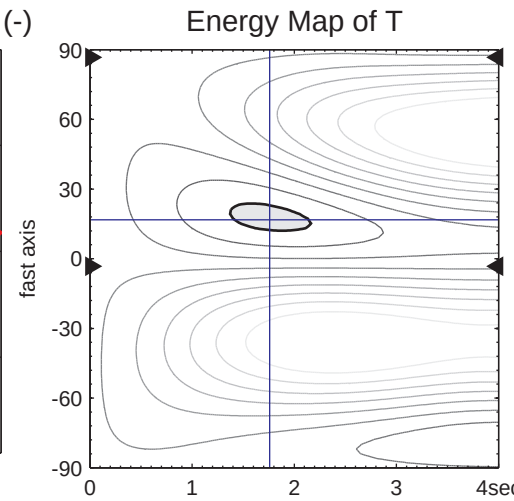


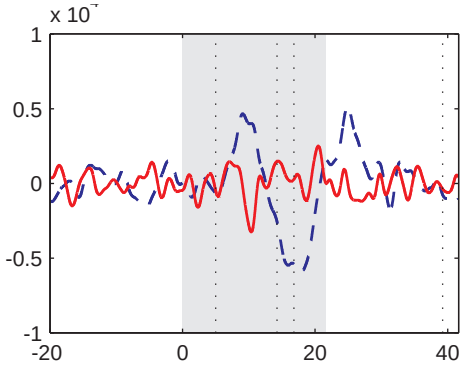








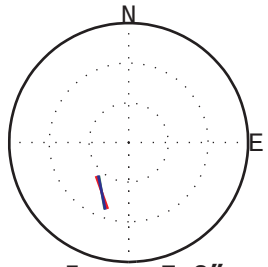




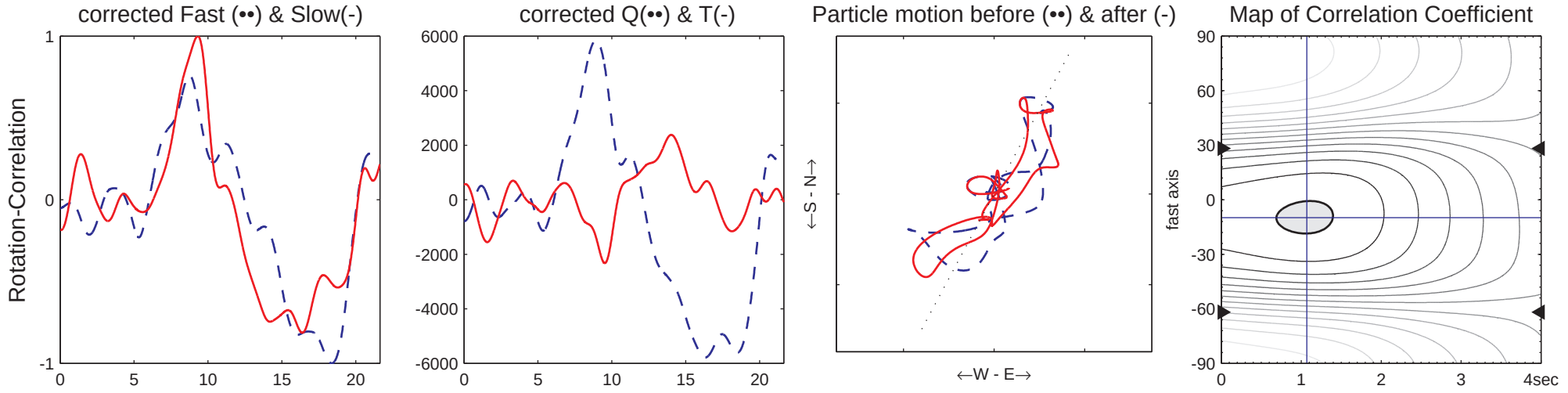
Event: **16-Apr-2009 (106) 14:57 -60.20N -26.86E 20km** Mw=**6.7**
Station: **KRT** Backazimuth: **208.2”** Distance: **110.26”**
init.Pol.: **34.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

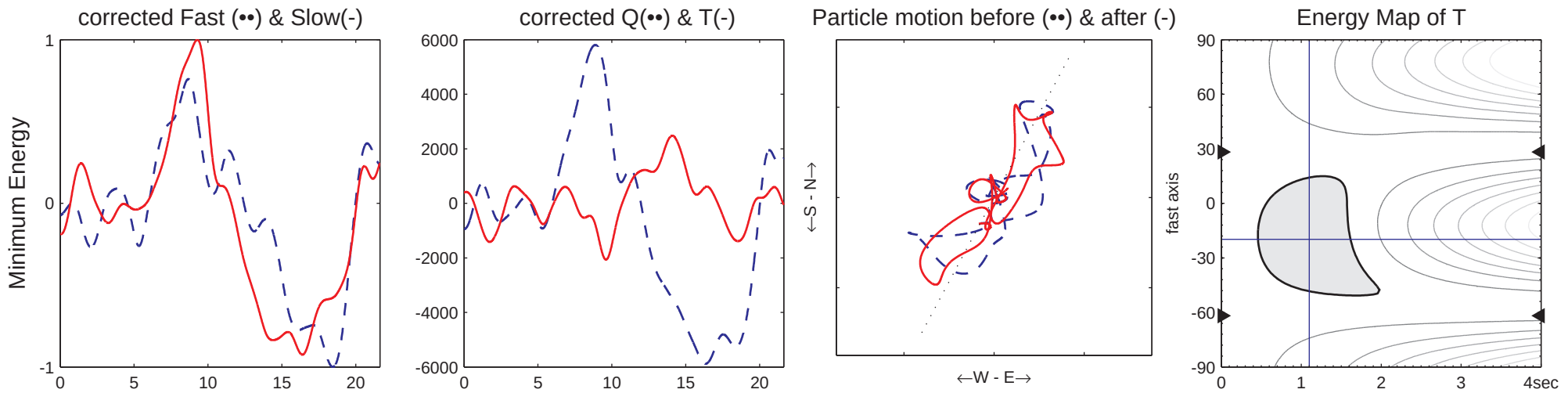
Rotation Correlation:	-20<	-10° <	-2	0.7<1.1s<1.4
Minimum Energy:	-54<	-20° <	13	0.5<1.1s<2.0
Eigenvalue:	-43<	-12° <	21	0.5<1.1s<1.7

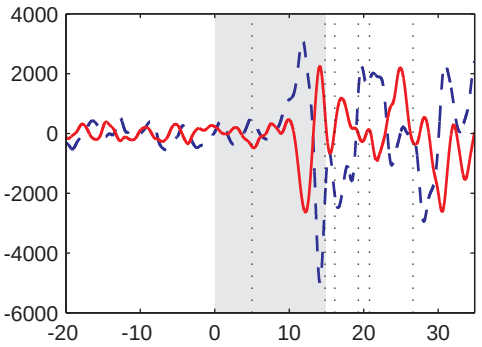
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



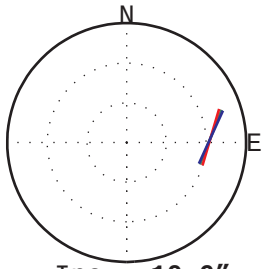




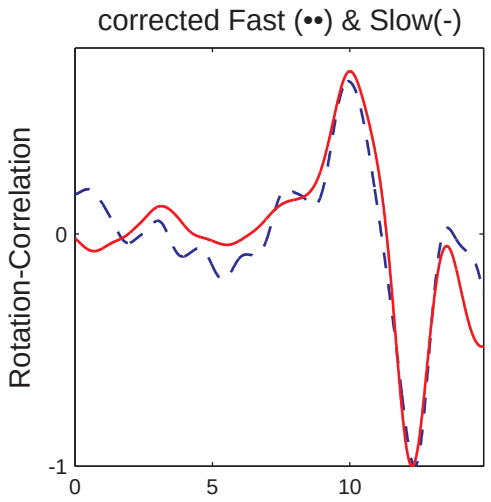
Event: **19-Apr-2009 (109) 05:23 4.14N 126.68E 25km Mw=6.1**
Station: **KRT** Backazimuth: **86.4”** Distance: **87.86”**
init.Pol.: **282.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.9**

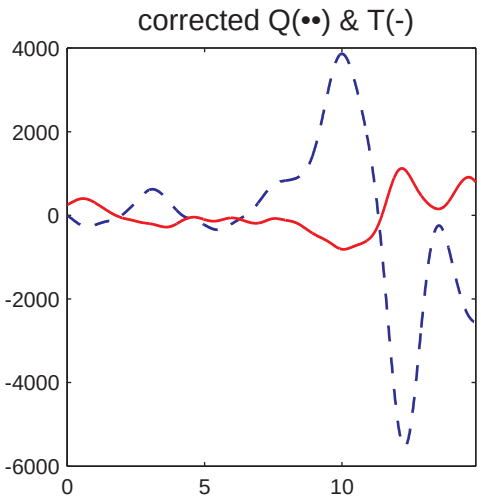
Rotation Correlation:	20<	21° <	23	1.8<1.8s<1.9
Minimum Energy:	13<	16° <	19	1.6<1.8s<2.0
Eigenvalue:	23<	24° <	27	1.7<1.8s<1.9

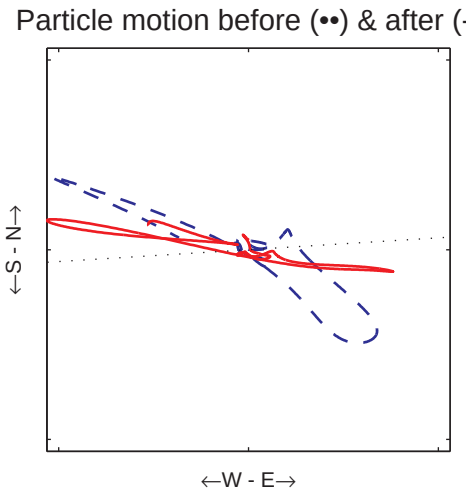
Quality: **good** IsNull: **No** Phase: **SKS**

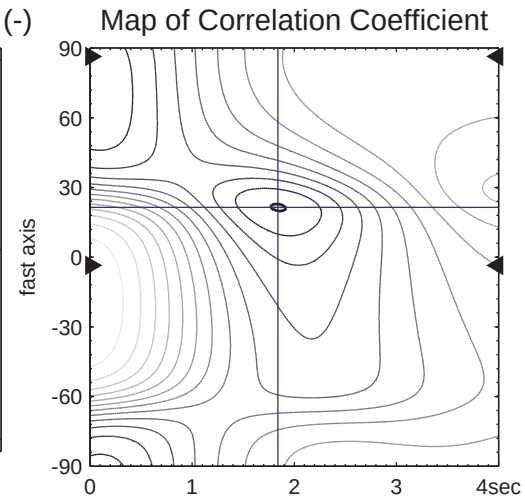


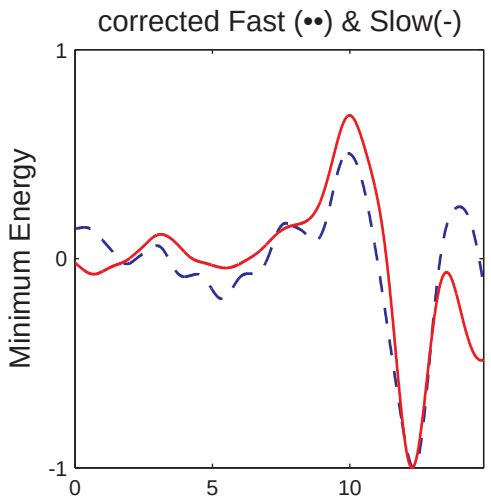
Inc = **10.6”**

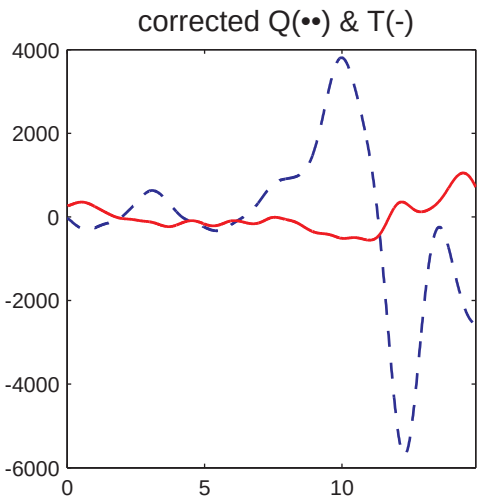


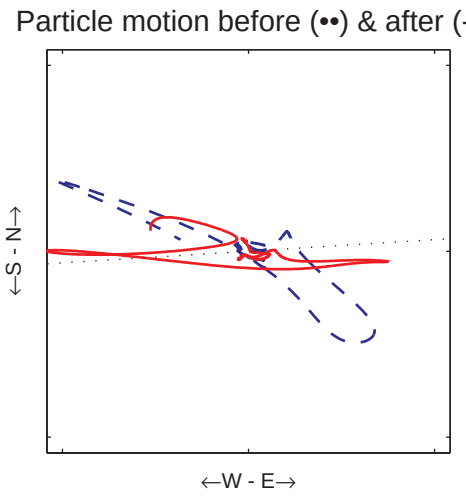


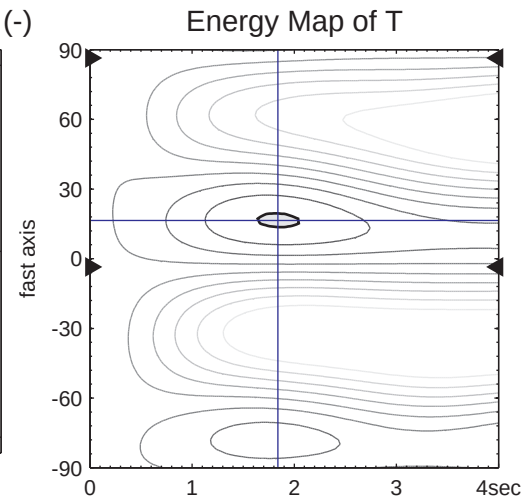


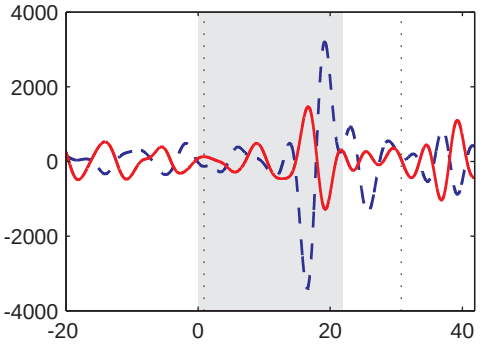








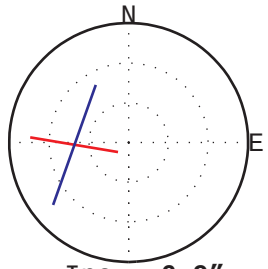


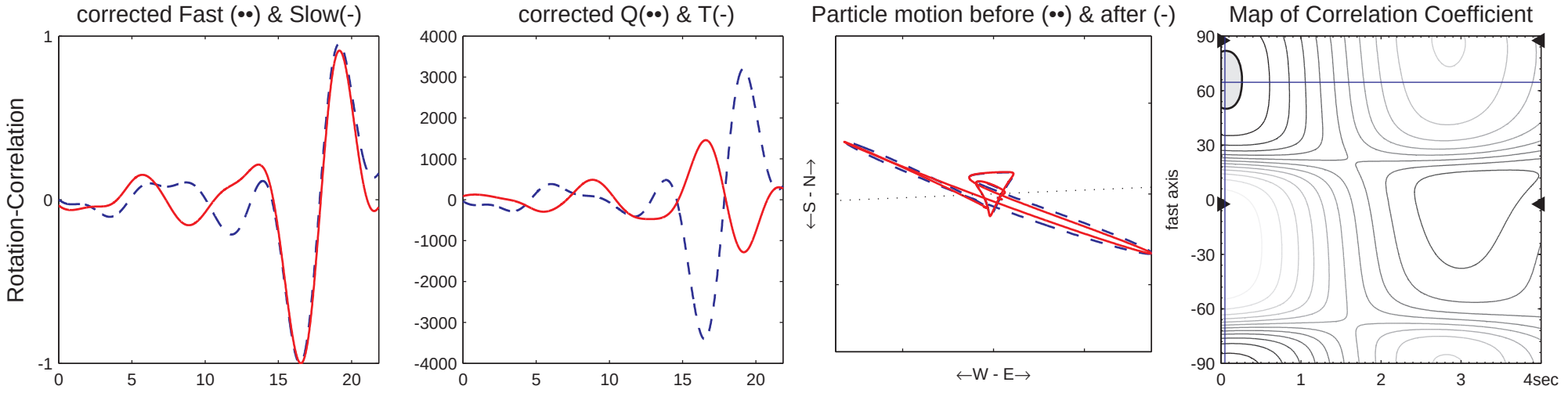


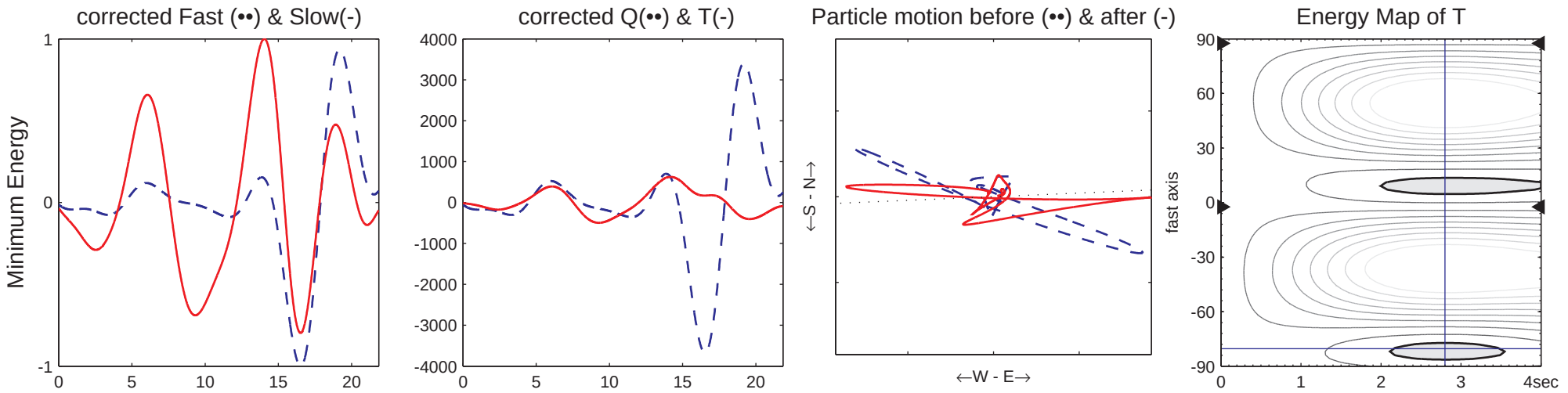
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **KRT** Backazimuth: **267.6”** Distance: **112.18”**
init.Pol.: **105.9”** Filter: **0.020Hz - 0.25Hz** SNR_{SC}: **6.2**

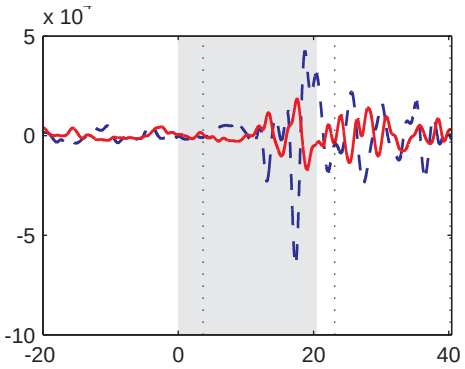
Rotation Correlation:	50<	65° <	82	0.0<0.1s<0.3
Minimum Energy:	-88<	-80° <	-80	2.1<2.8s<3.5
Eigenvalue:	-Inf<	20° <	Inf	0.0<4.0s<Inf

Quality: **fair** IsNull: **Yes** Phase: **SKS**





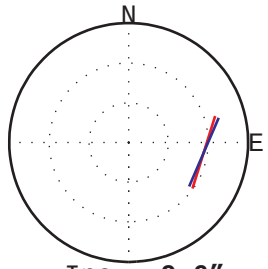


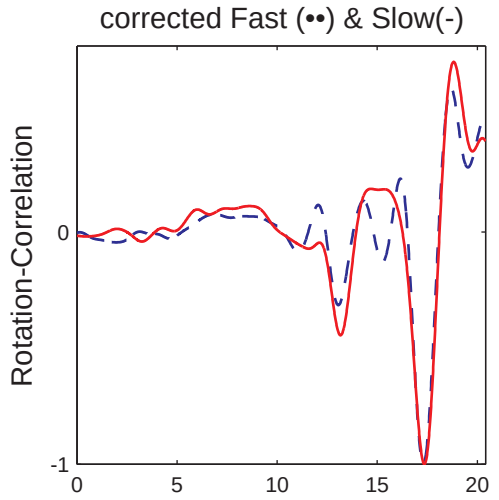


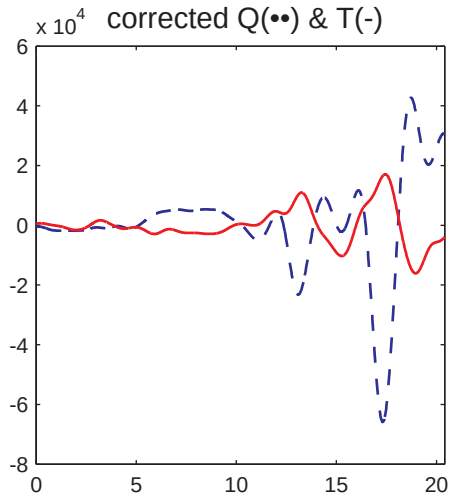
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **KRT** Backazimuth: **97.4”** Distance: **92.11”**
init.Pol.: **287.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.9**

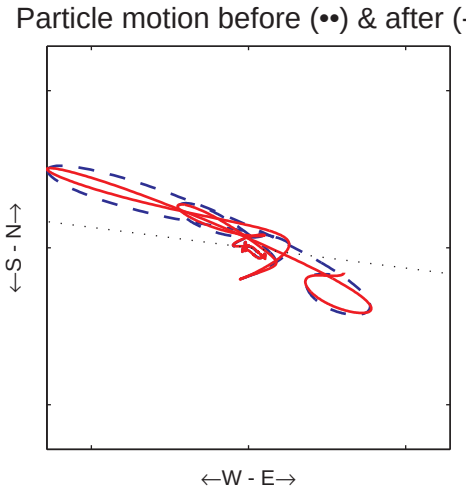
Rotation Correlation:	63<	70° <	78	0.0<0.1s<0.1
Minimum Energy:	15<	17° <	19	2.2<2.4s<2.6
Eigenvalue:	19<	23° <	25	2.1<2.3s<2.6

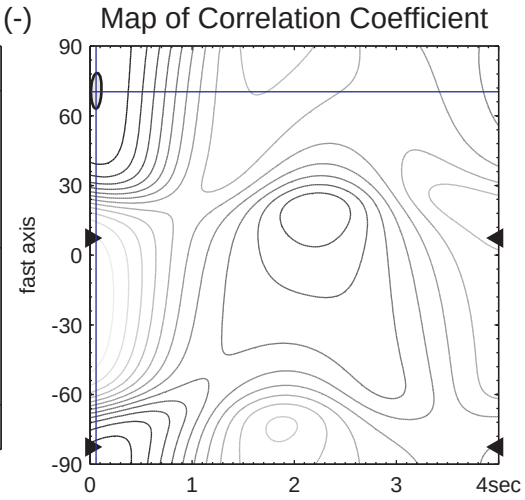
Quality: **good** IsNull: **Yes** Phase: **SKS**

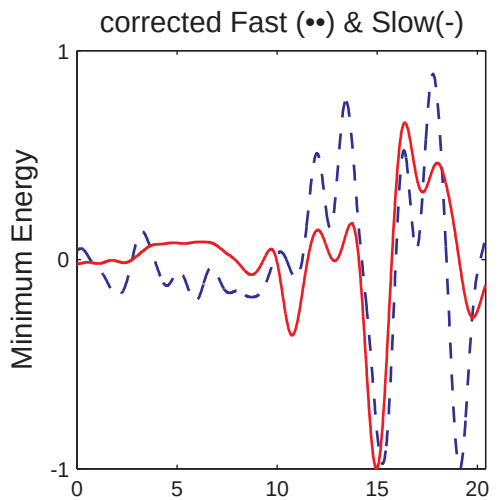


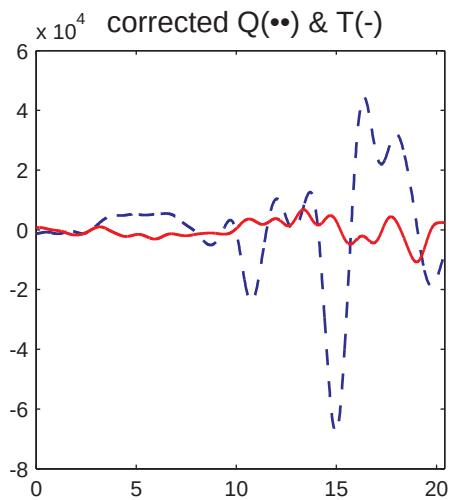


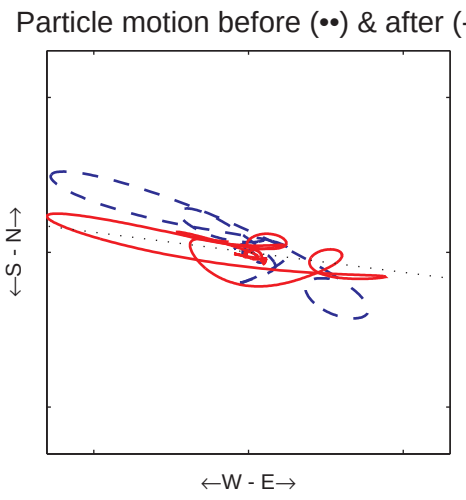


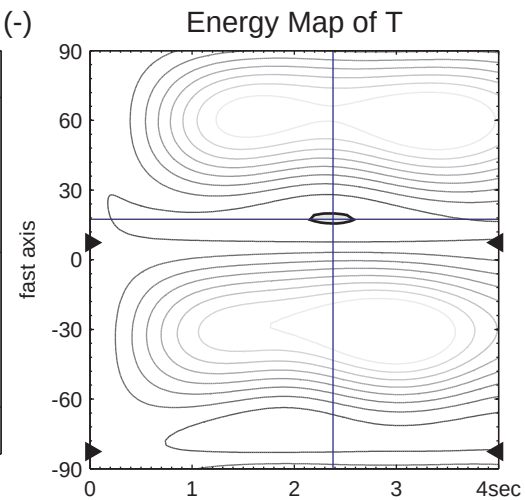


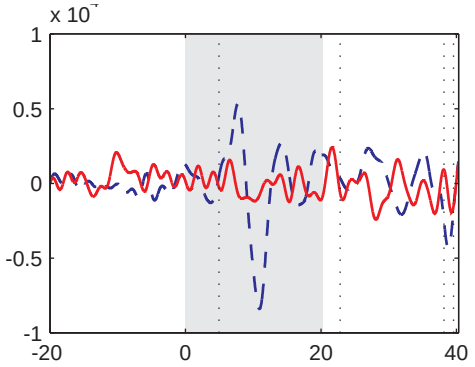








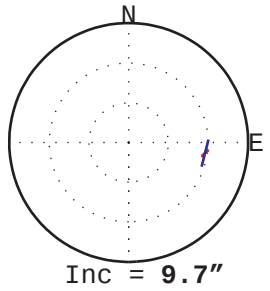


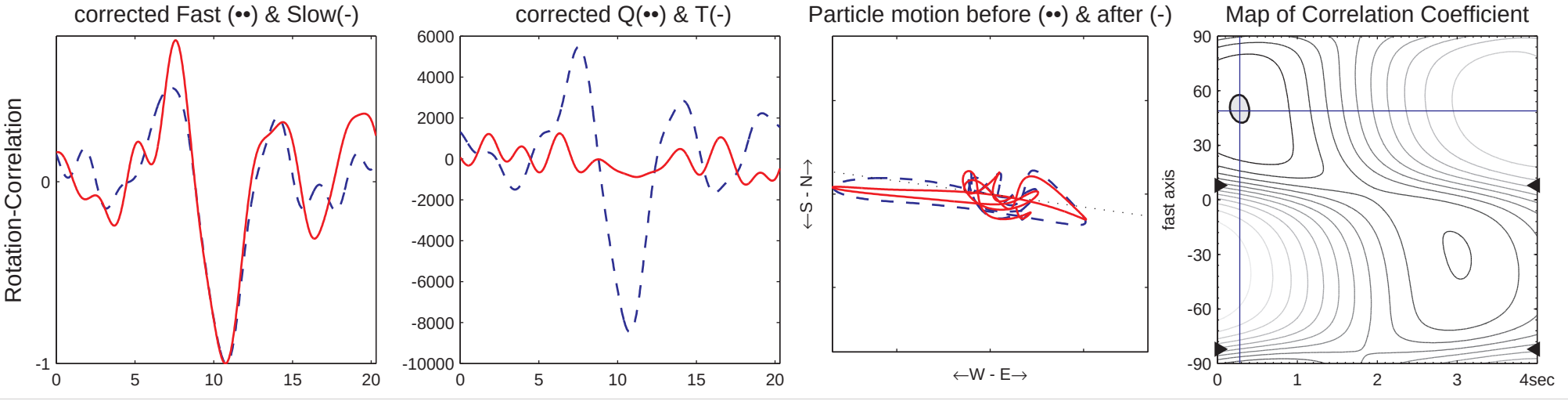


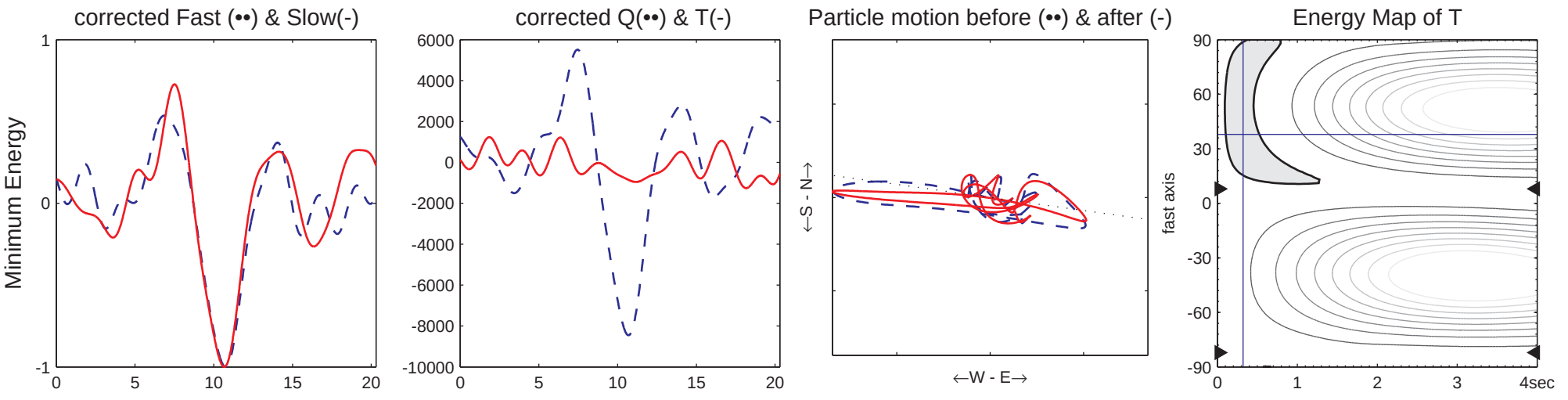
Event: **15-Jan-2006 (015) 11:58 -7.83N 122.60E 264km Mw=6.1**
Station: **KRTS** Backazimuth: **97.9”** Distance: **92.44”**
init.Pol.: **272.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

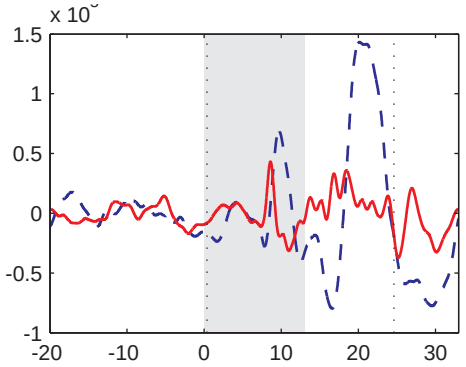
Rotation Correlation:	43<	49° <	58	0.2<0.3s<0.4
Minimum Energy:	11<	38° <	-92	0.1<0.3s<1.3
Eigenvalue:	3<	14° <	80	0.2<0.9s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





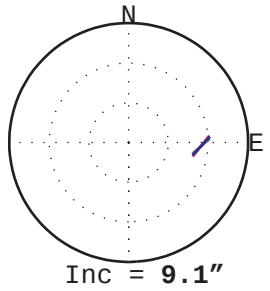


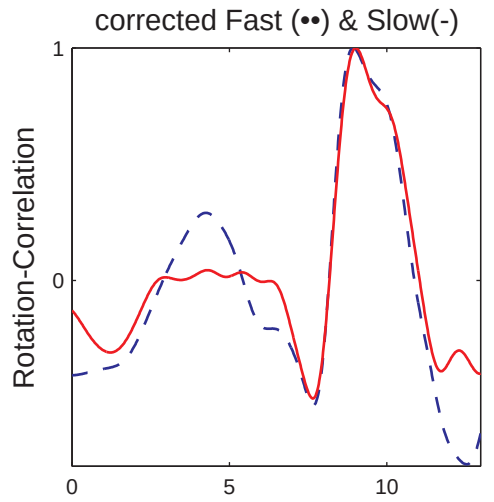


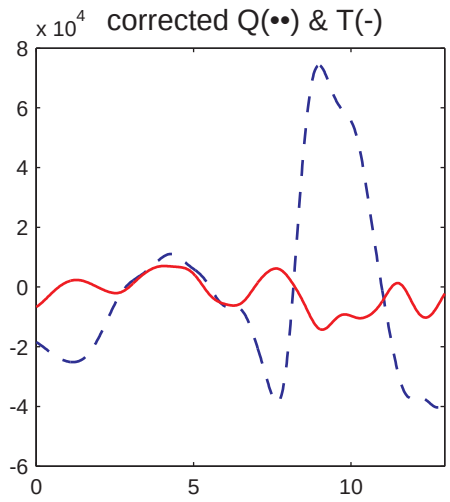
Event: **27-Jan-2006 (027) 16:58 -5.47N 128.13E 397km Mw=7.6**
Station: **KRTS** Backazimuth: **92.8”** Distance: **95.46”**
init.Pol.: **275.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.3**

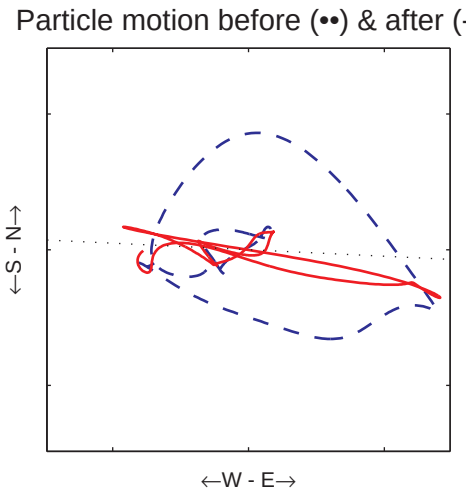
Rotation Correlation:	41<	49° <	59	0.6<0.7s<0.8
Minimum Energy:	33<	39° <	46	0.7<0.8s<1.0
Eigenvalue:	33<	43° <	52	0.7<0.8s<0.9

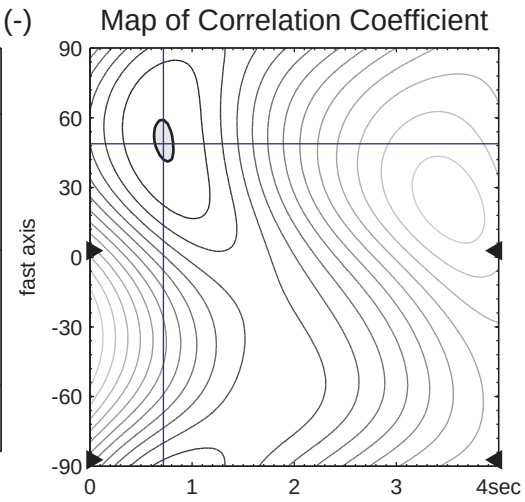
Quality: **fair** IsNull: **No** Phase: **SKS**

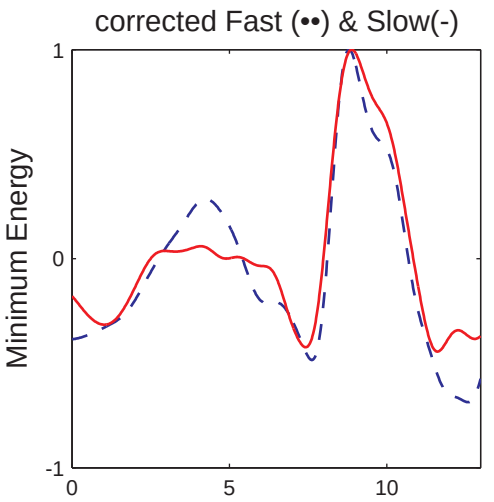


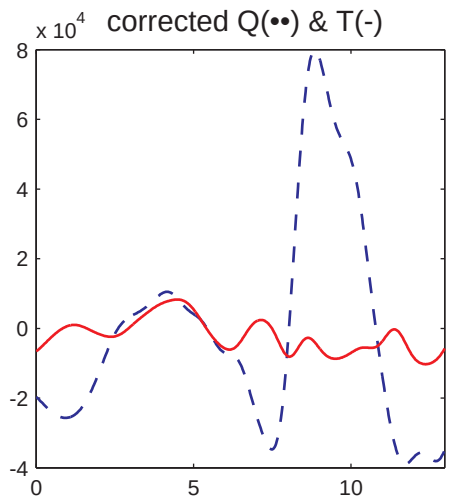


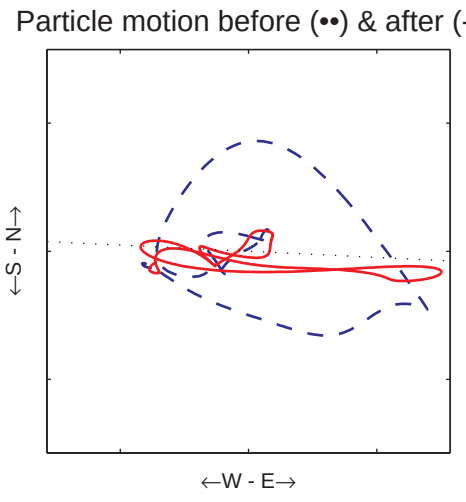


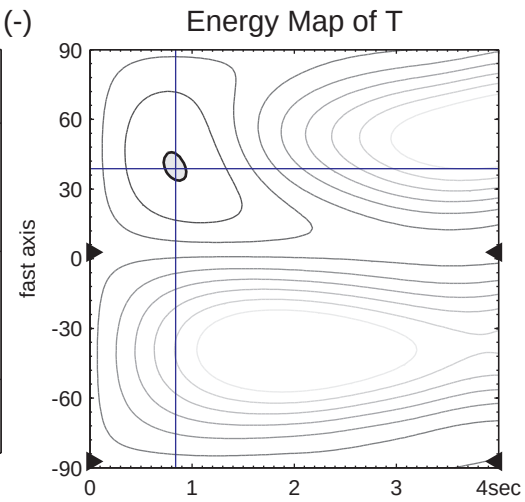


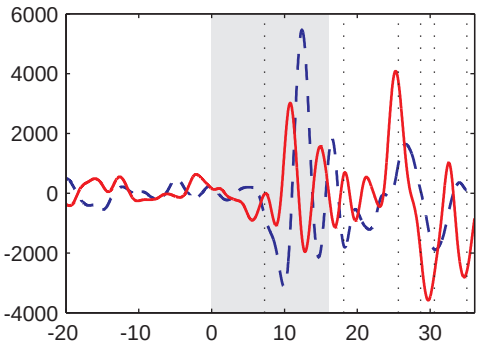








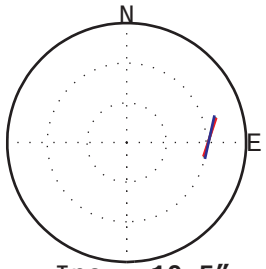




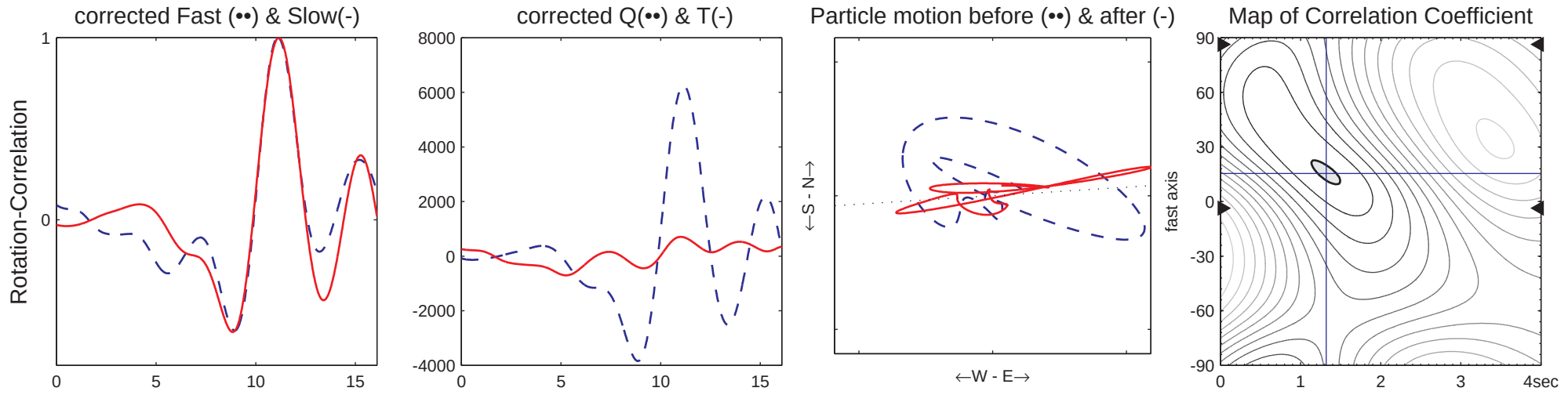
Event: **31-Mar-2006 (090) 21:14 3.79N 126.37E 54km Mw=6.2**
Station: **KRTS** Backazimuth: **86.4”** Distance: **88.54”**
init.Pol.: **258.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.0**

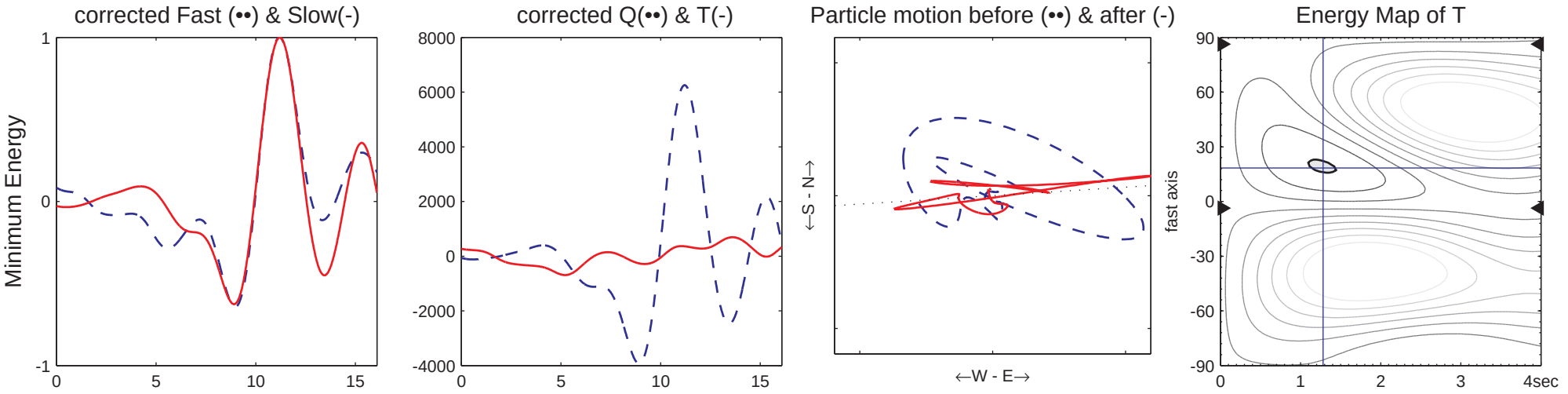
Rotation Correlation:	10<	15° <	23	1.1<1.3s<1.5
Minimum Energy:	15<	18° <	23	1.1<1.3s<1.4
Eigenvalue:	7<	12° <	19	1.2<1.4s<1.6

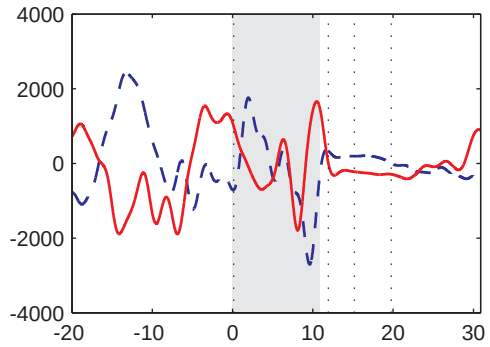
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.5”**



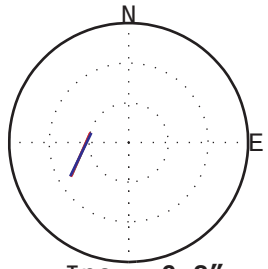




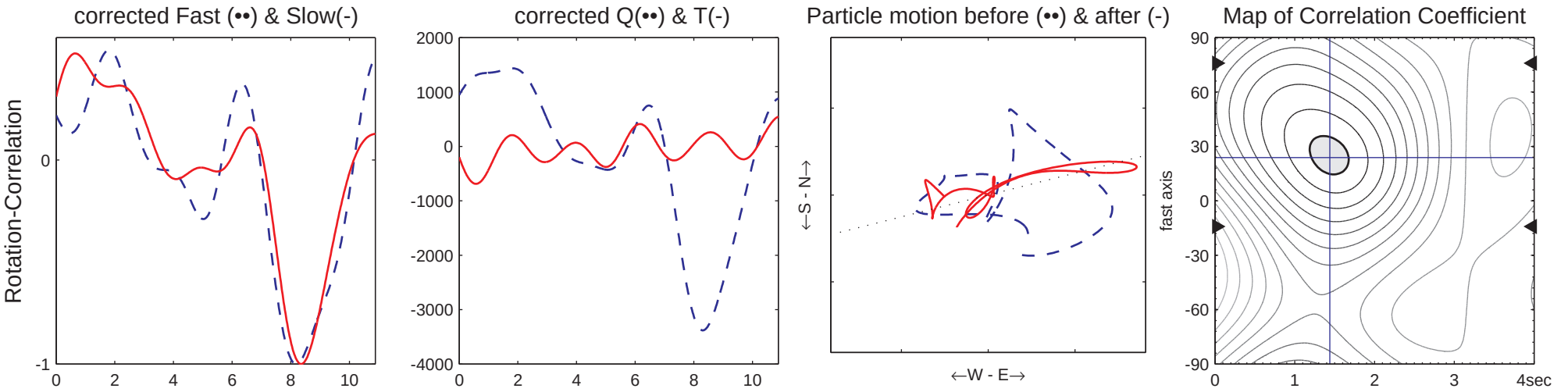
Event: **30-Apr-2006 (120) 19:17 -27.01N -70.96E 26km Mw=6.7**
Station: **KRTS** Backazimuth: **255.9”** Distance: **118.15”**
init.Pol.: **79.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

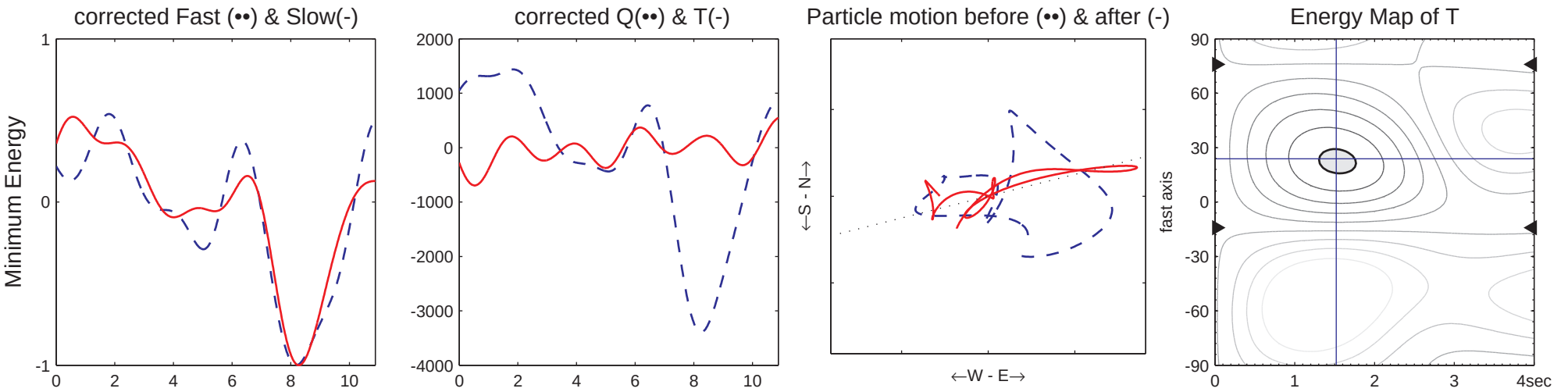
Rotation Correlation:	15<	24° <	36	1.2<1.4s<1.7
Minimum Energy:	15<	24° <	29	1.3<1.5s<1.8
Eigenvalue:	15<	26° <	37	1.3<1.5s<1.7

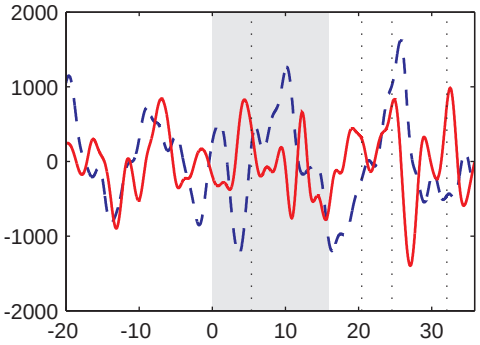
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.2”**



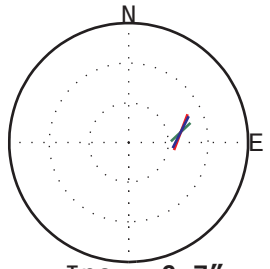


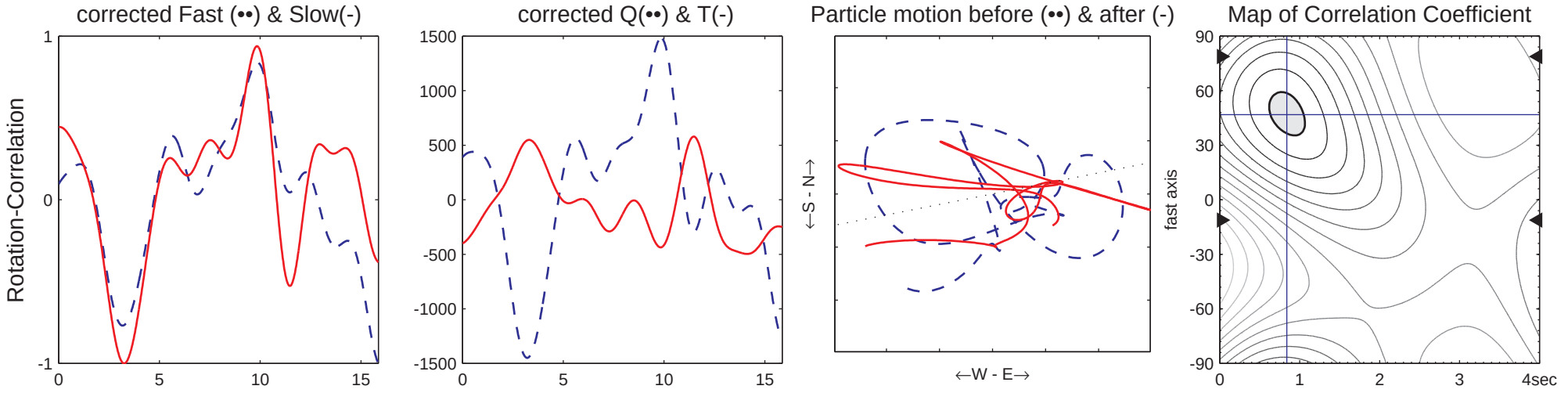


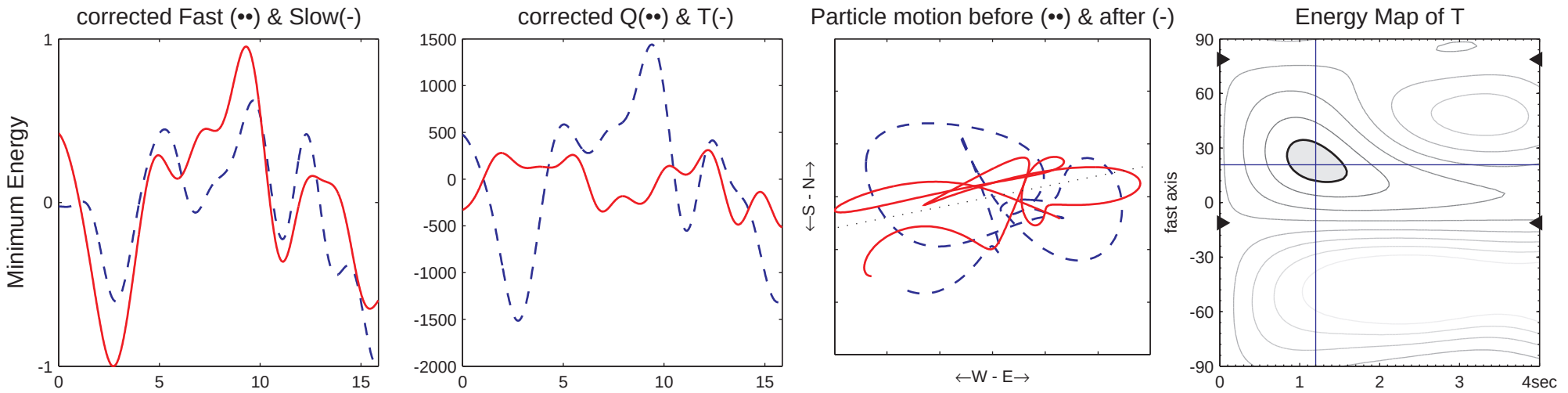
Event: **28-May-2006 (148) 03:12 -5.72N 151.13E 34km Mw=6.6**
Station: **KRTS** Backazimuth: **78.8”** Distance: **113.99”**
init.Pol.: **264.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

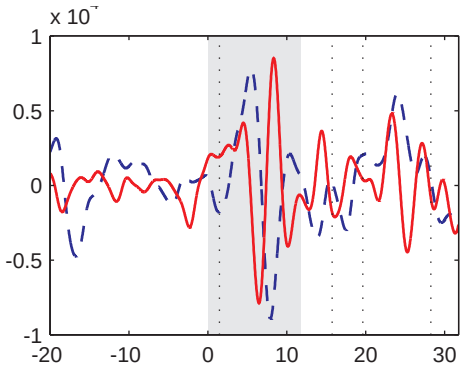
Rotation Correlation:	36<	47° <	59	0.6<0.8s<1.1
Minimum Energy:	11<	21° <	35	0.8<1.2s<1.6
Eigenvalue:	11<	27° <	46	0.8<1.1s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





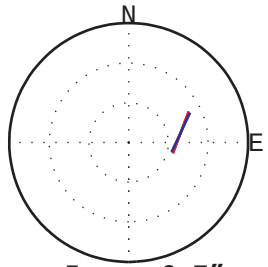


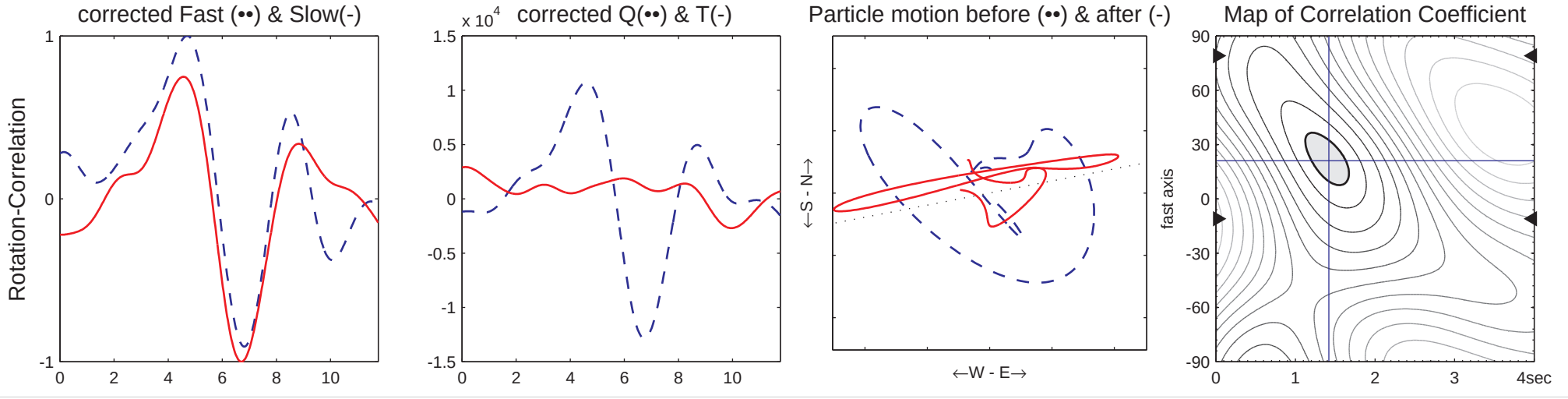


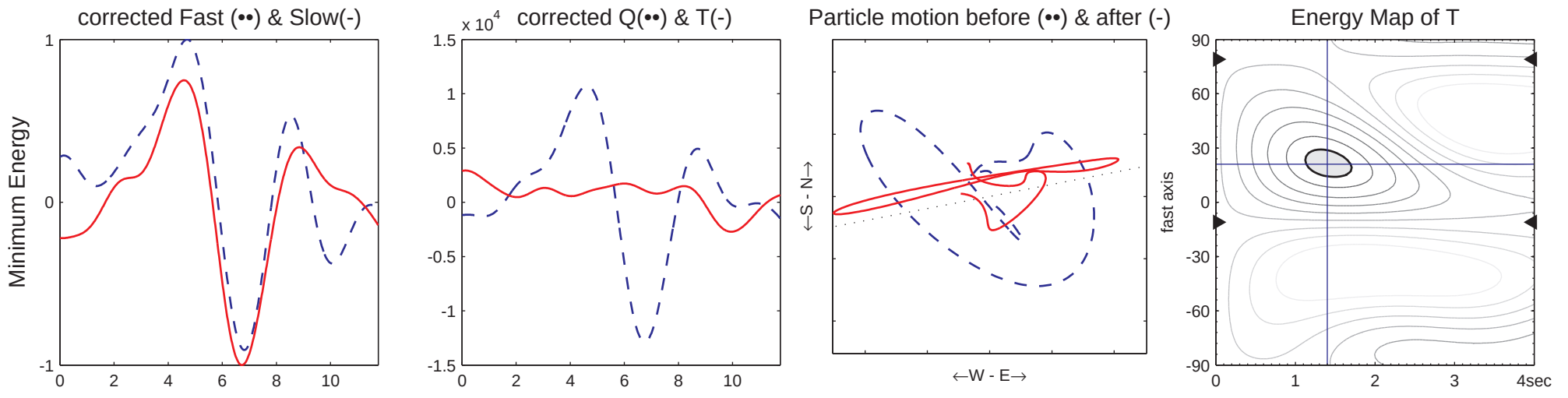
Event: **17-Oct-2006 (290) 01:25 -5.88N 150.98E 32km Mw=6.9**
Station: **KRTS** Backazimuth: **79.0”** Distance: **113.97”**
init.Pol.: **264.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

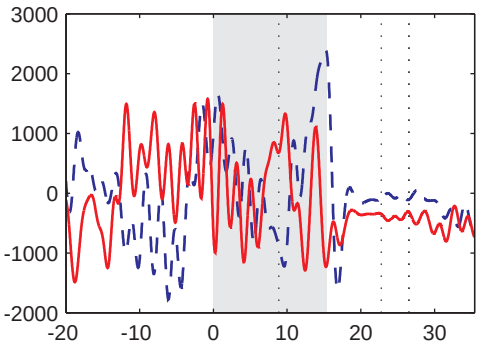
Rotation Correlation:	8<	21° <	37	1.1<1.4s<1.7
Minimum Energy:	13<	21° <	29	1.1<1.4s<1.7
Eigenvalue:	9<	25° <	39	1.0<1.4s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





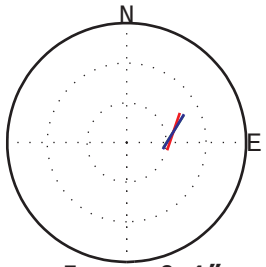


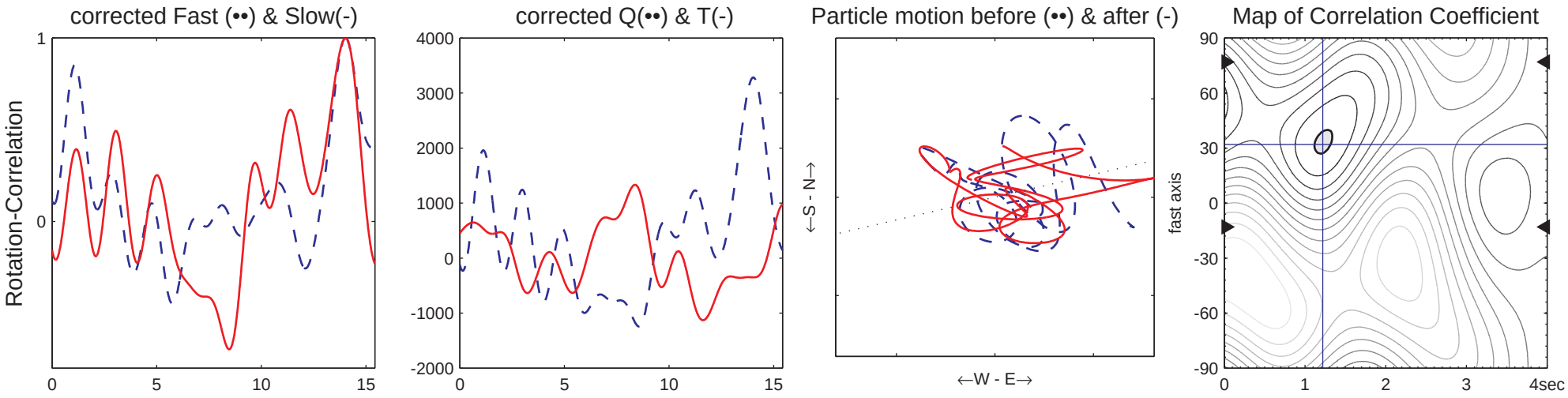


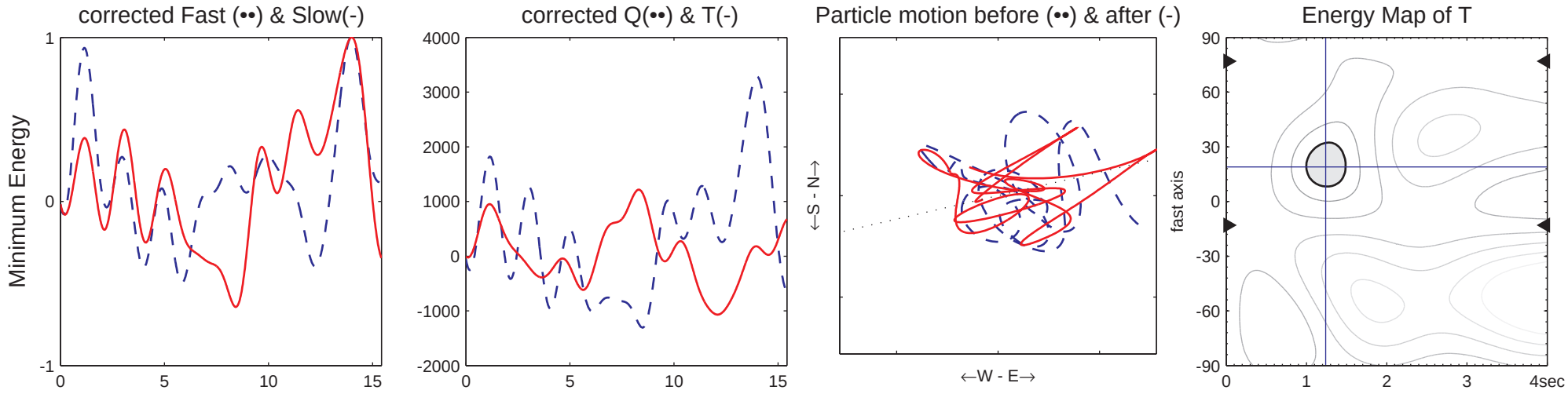
Event: **04-Apr-2007 (094) 06:34 -7.78N 156.49E 31km Mw=6.4**
Station: **KRTS** Backazimuth: **77.0”** Distance: **119.46”**
init.Pol.: **272.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.0**

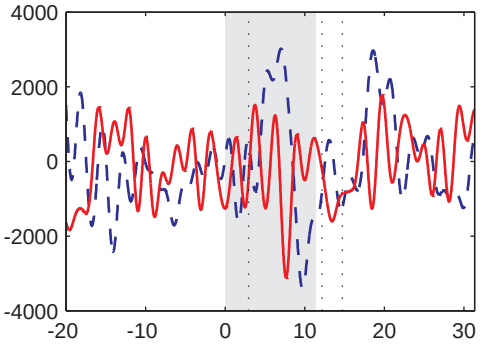
Rotation Correlation:	27<	32° <	40	1.1<1.2s<1.3
Minimum Energy:	9<	19° <	31	1.0<1.2s<1.5
Eigenvalue:	15<	31° <	50	1.0<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





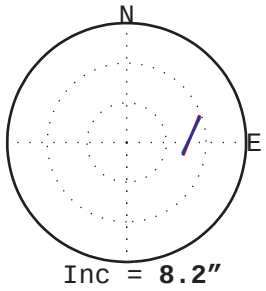


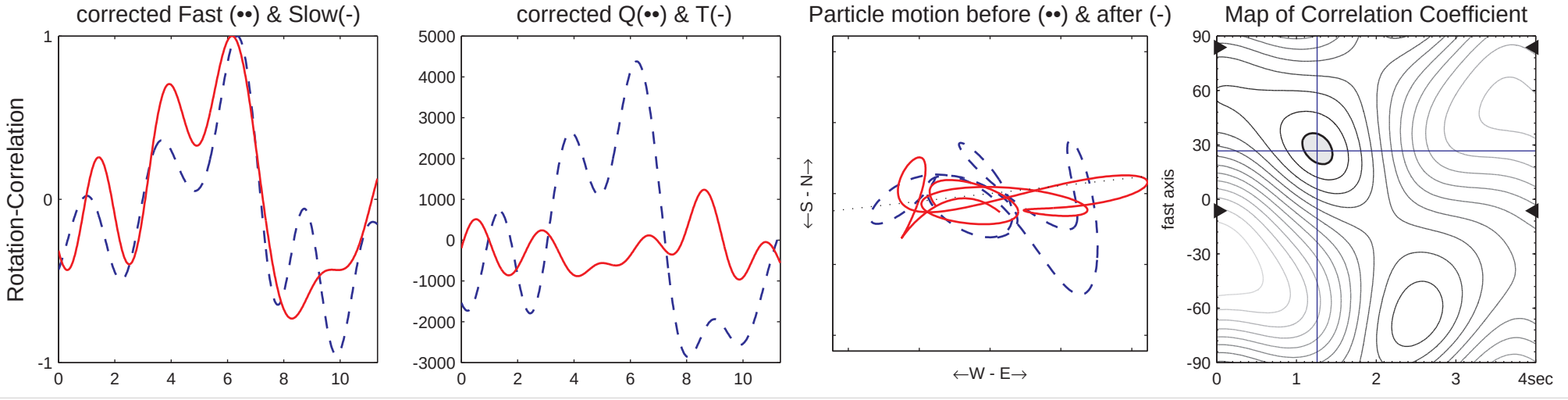


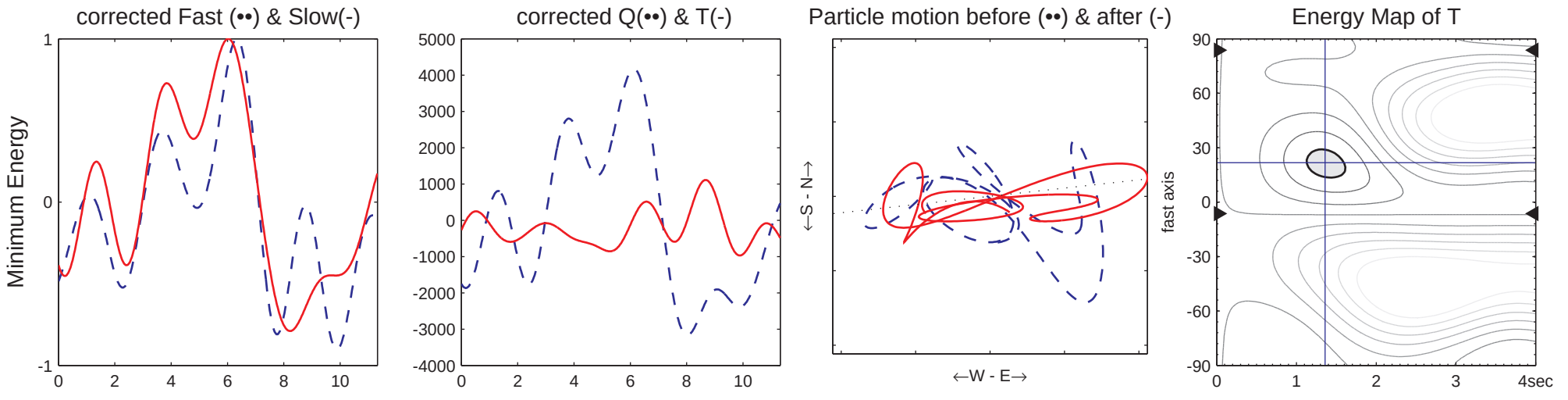
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **KRTS** Backazimuth: **83.7”** Distance: **102.41”**
init.Pol.: **267.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

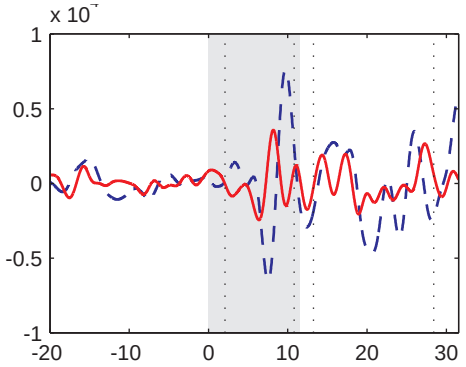
Rotation Correlation:	20<	27° <	37	1.1<1.3s<1.4
Minimum Energy:	13<	22° <	29	1.1<1.4s<1.6
Eigenvalue:	13<	24° <	33	1.1<1.4s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





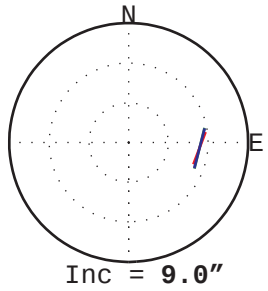


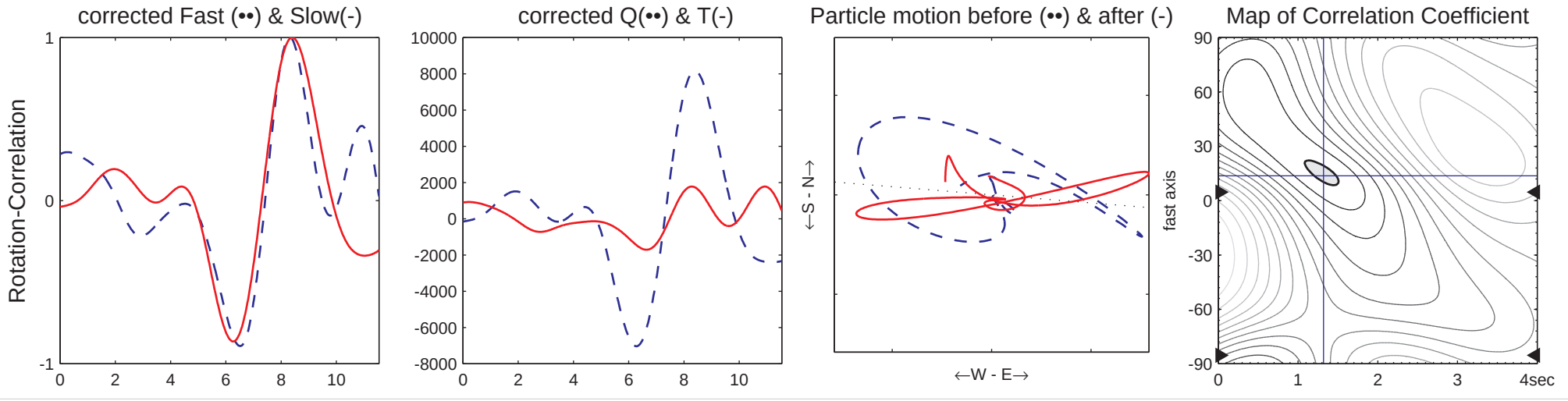


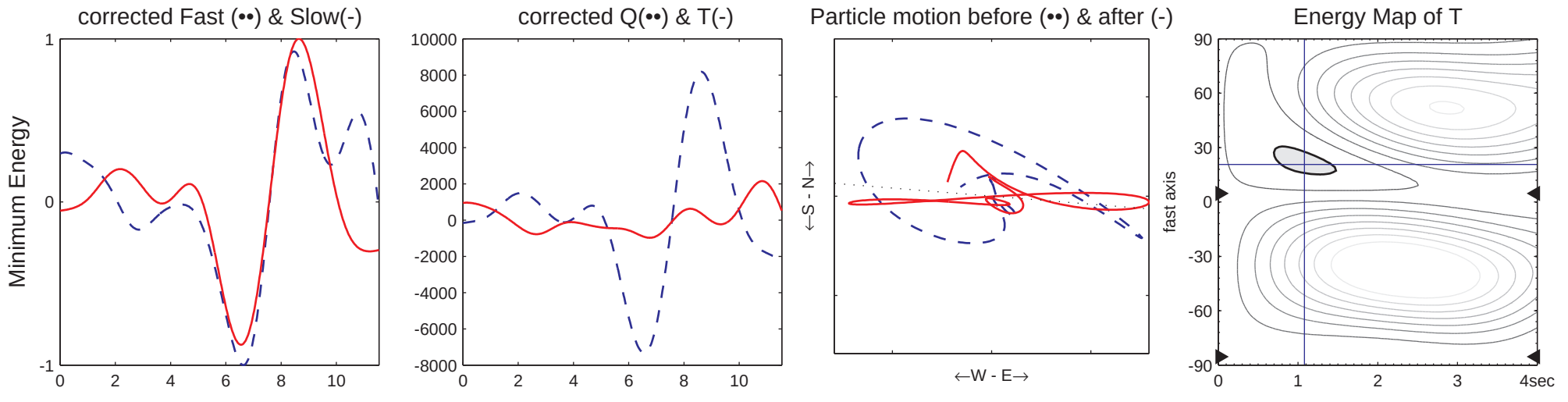
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **KRTS** Backazimuth: **94.6”** Distance: **97.46”**
init.Pol.: **266.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

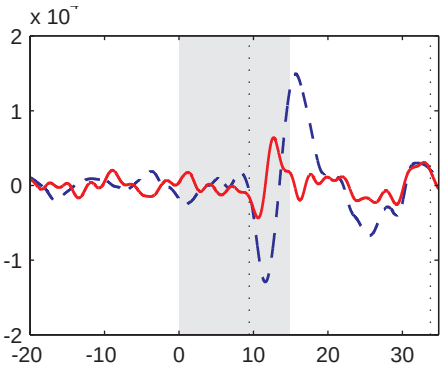
Rotation Correlation:	9<	14° <	23	1.1<1.3s<1.5
Minimum Energy:	15<	21° <	31	0.7<1.1s<1.5
Eigenvalue:	5<	15° <	27	0.8<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





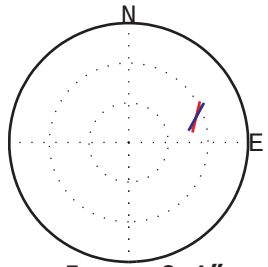


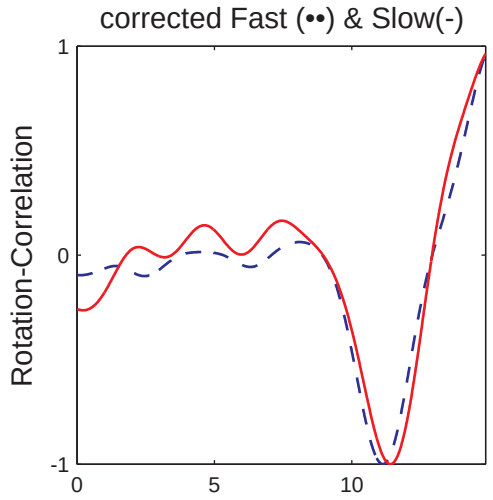


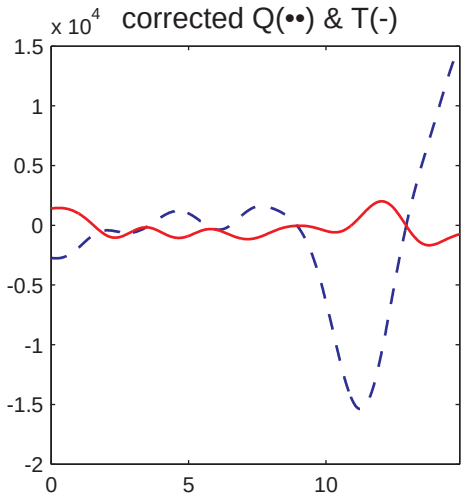
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **KRTS** Backazimuth: **69.3”** Distance: **96.35”**
init.Pol.: **256.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.3**

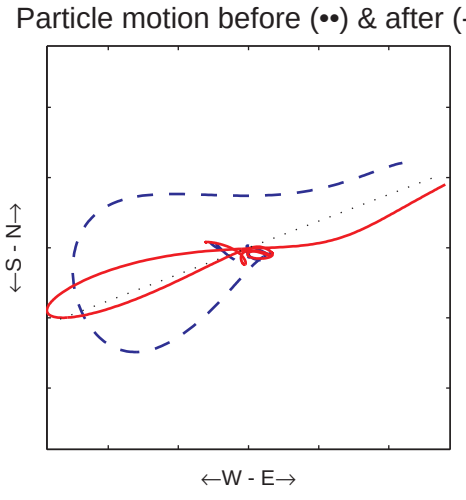
Rotation Correlation:	6<	26° <	45	0.6<0.9s<1.1
Minimum Energy:	3<	13° <	25	0.8<1.0s<1.2
Eigenvalue:	17<	29° <	43	0.9<1.0s<1.2

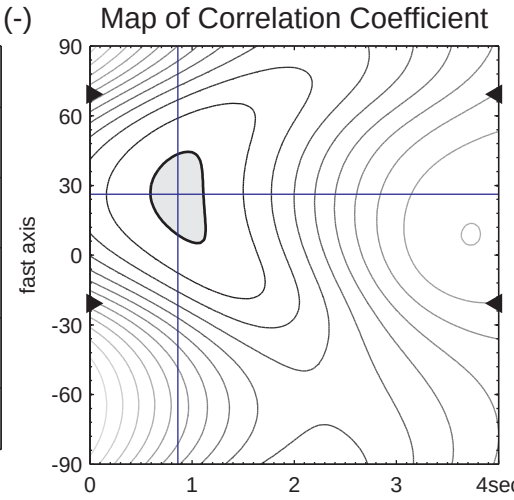
Quality: **fair** IsNull: **No** Phase: **SKS**

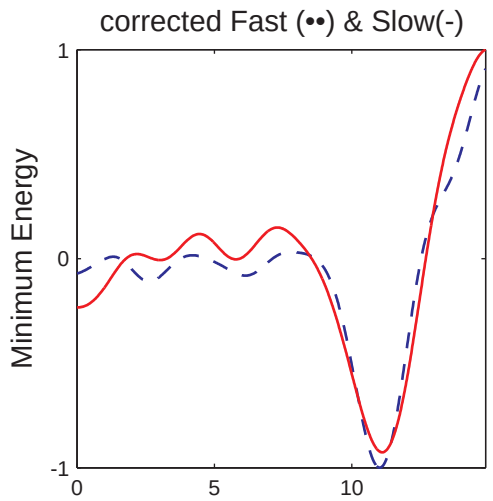


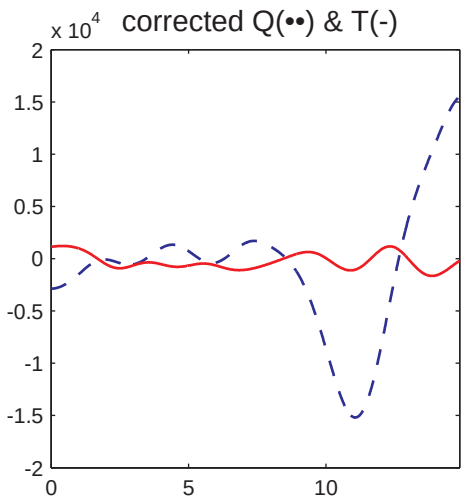


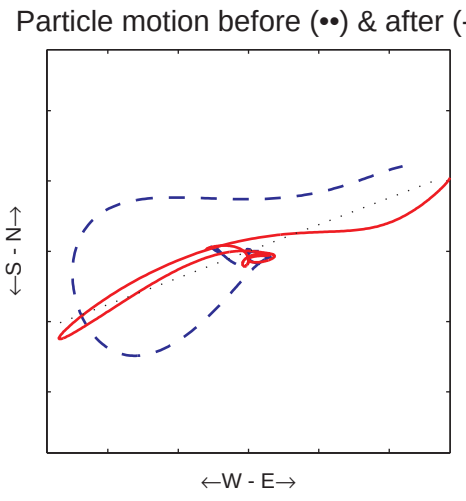


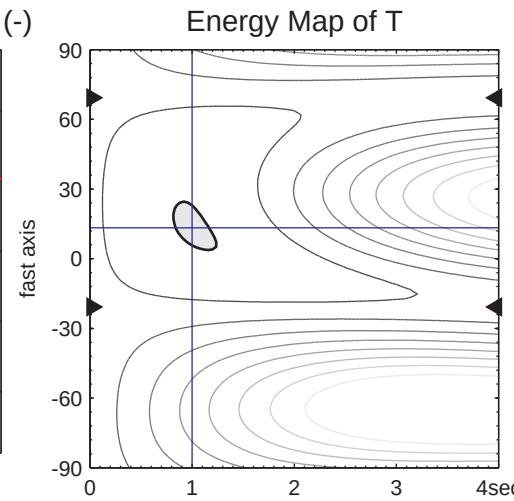


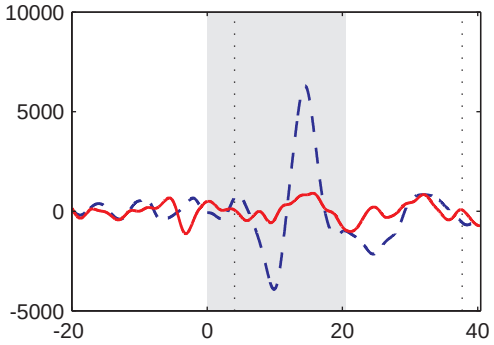








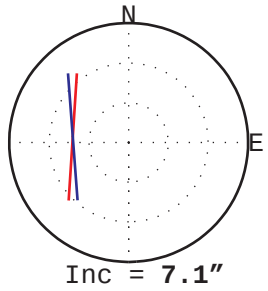


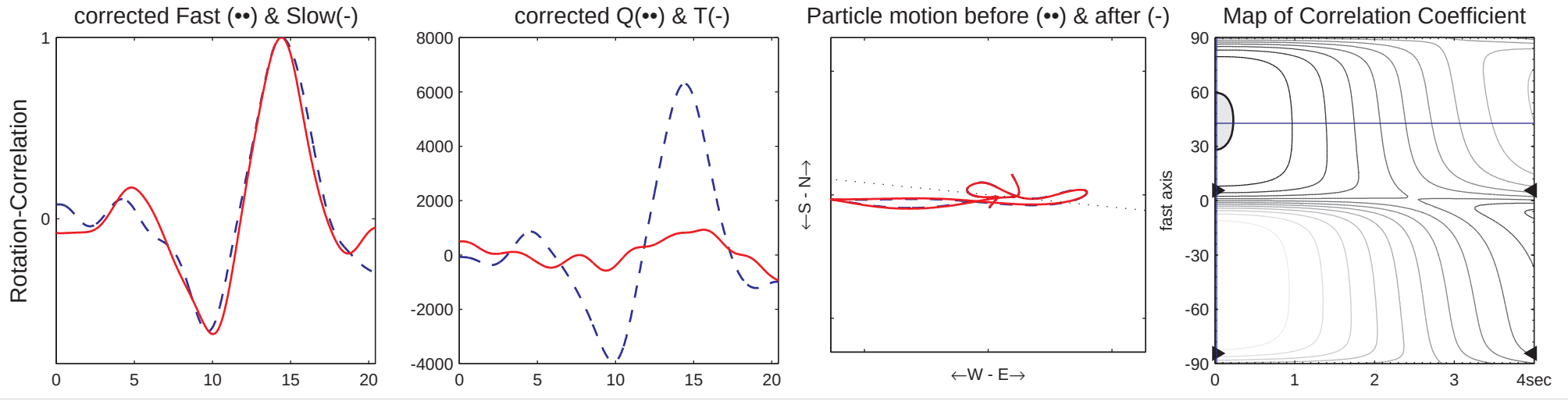


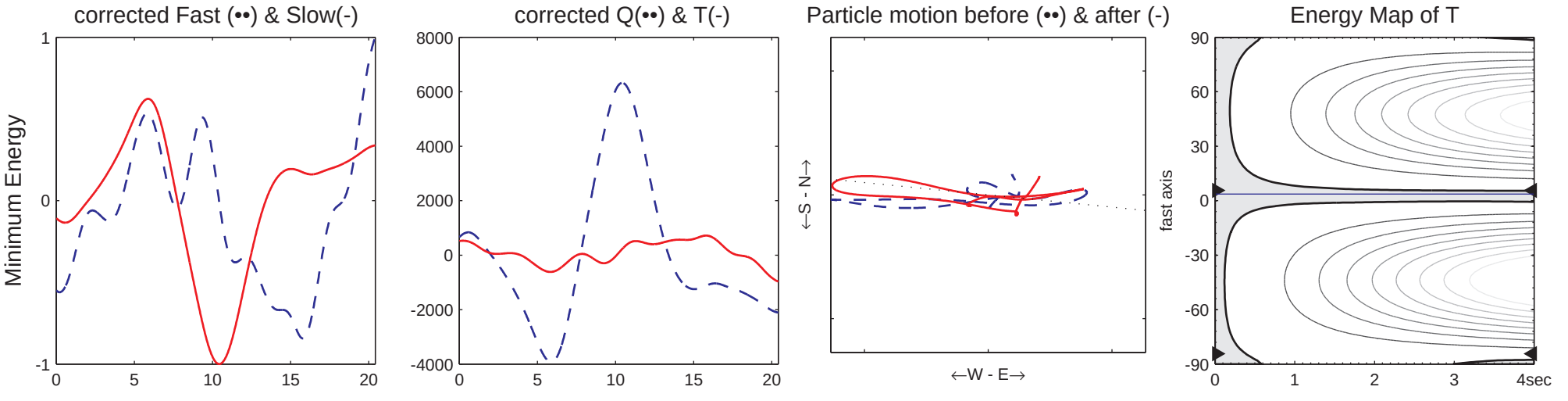
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **KRTS** Backazimuth: **275.7”** Distance: **110.38”**
init.Pol.: **81.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

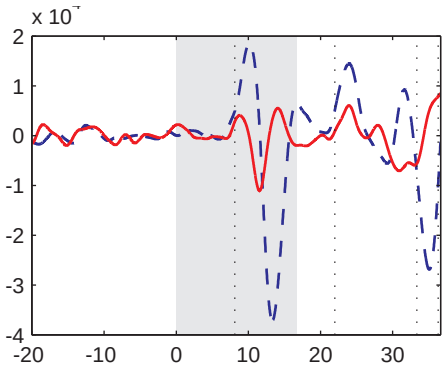
Rotation Correlation:	28<	43° < 60	0.0<0.0s<0.2
Minimum Energy:	-Inf<	4° < Inf	0.0<4.0s<Inf
Eigenvalue:	-9<	-4° < -3	2.7<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





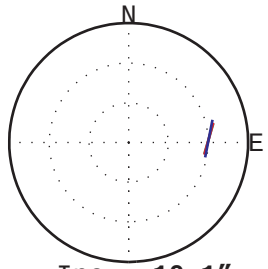




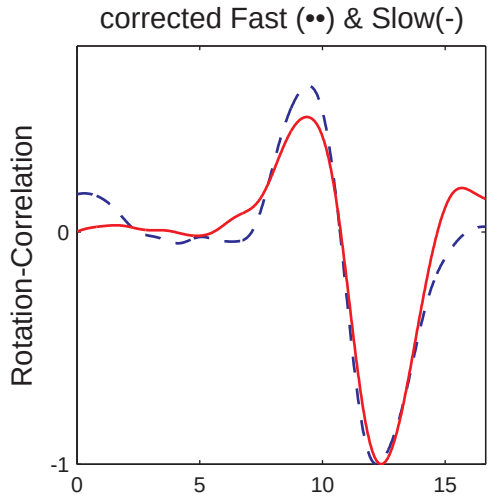
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **KRTS** Backazimuth: **87.3”** Distance: **90.47”**
init.Pol.: **264.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.5**

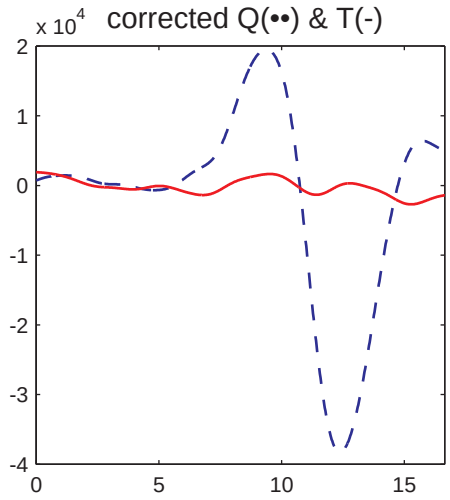
Rotation Correlation:	11<	16° <	42	0.5<1.0s<1.3
Minimum Energy:	11<	15° <	21	0.8<1.0s<1.2
Eigenvalue:	7<	11° <	19	0.9<1.2s<1.5

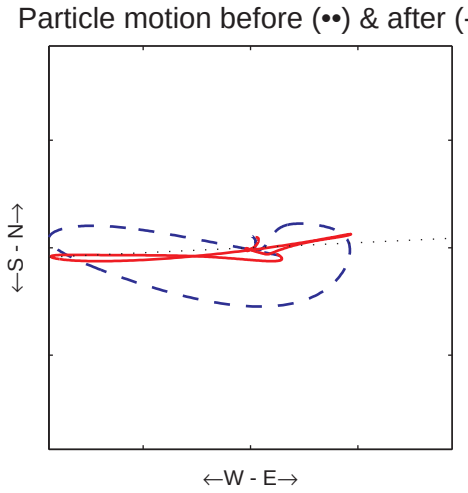
Quality: **good** IsNull: **No** Phase: **SKS**

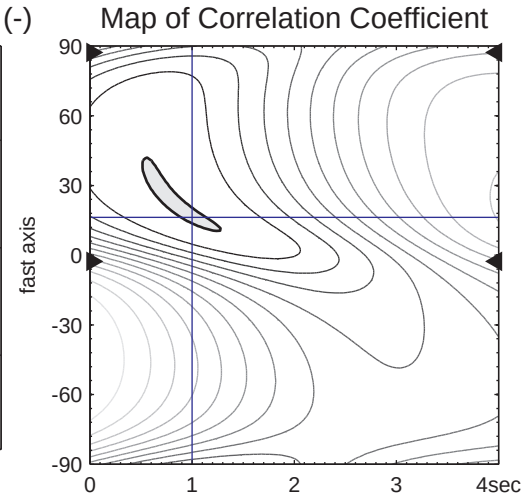


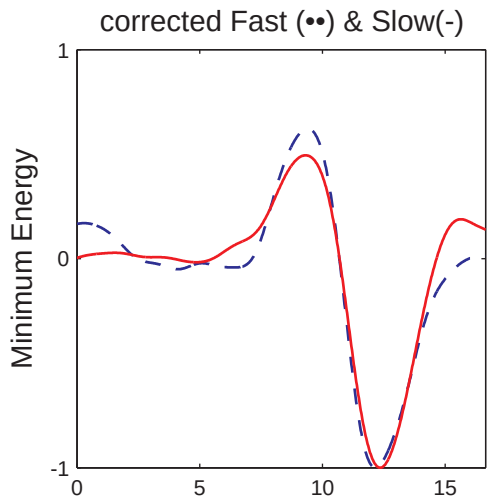
Inc = **10.1”**

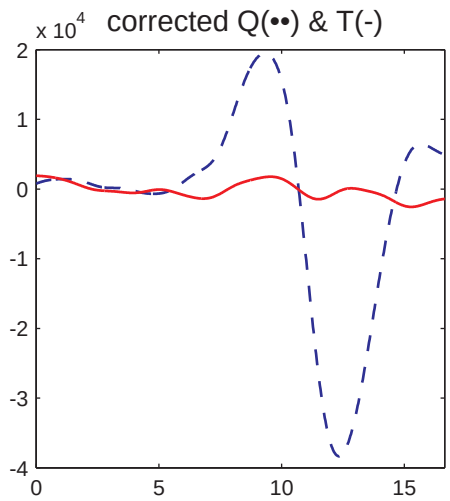


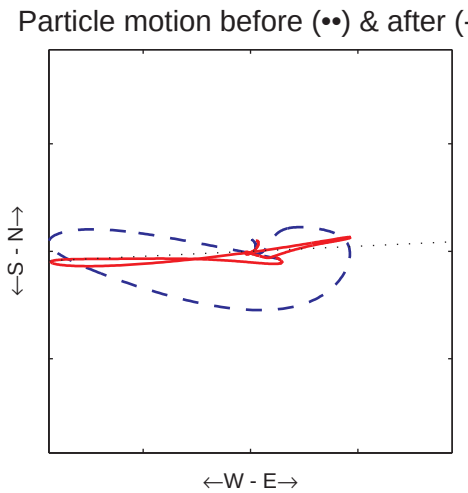


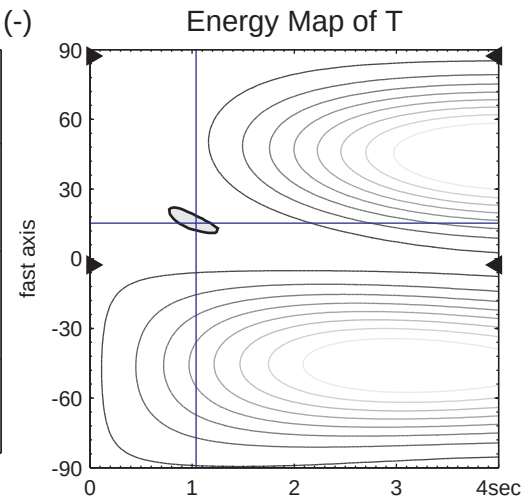


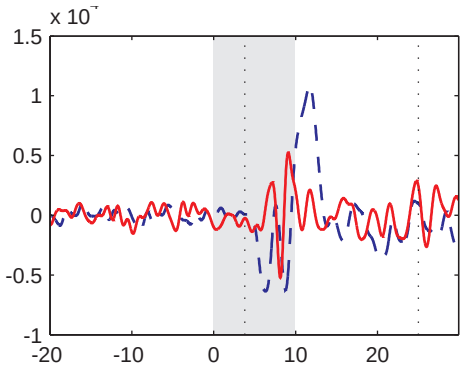








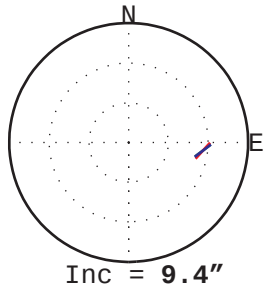


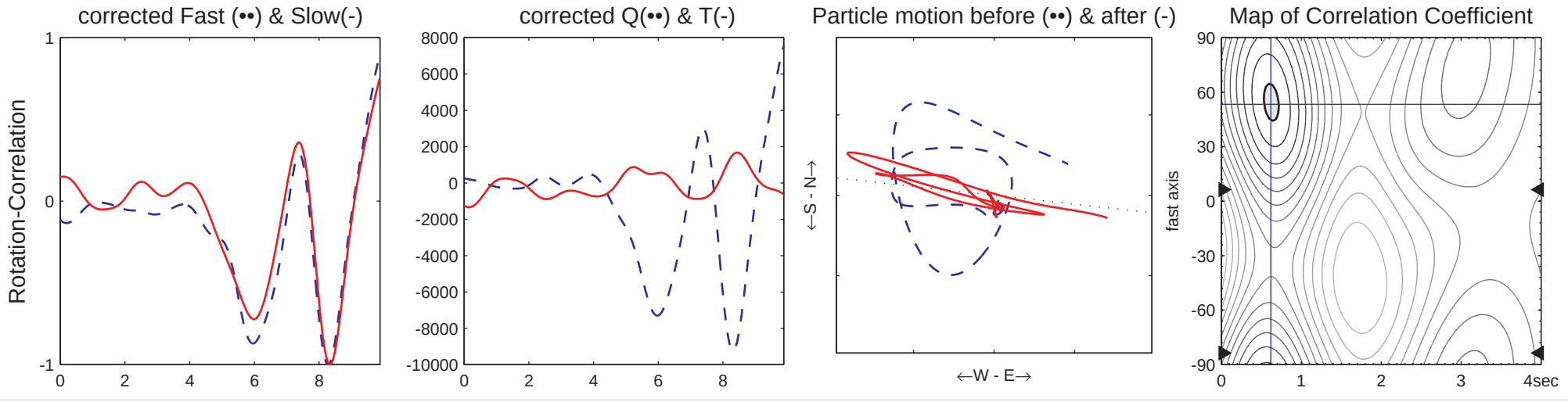


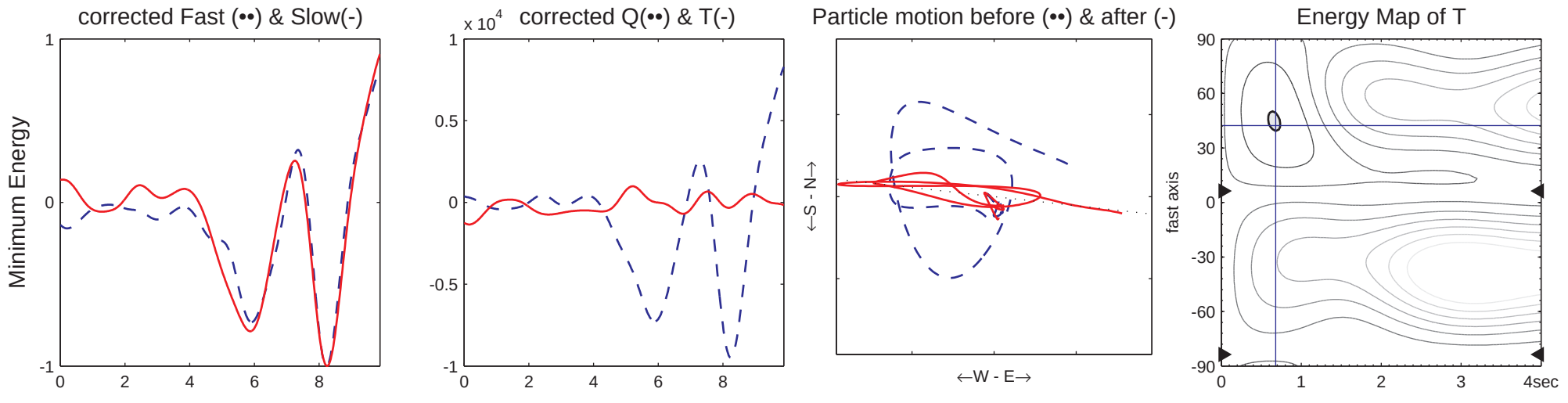
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **KRTS** Backazimuth: **96.3”** Distance: **93.89”**
init.Pol.: **284.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.4**

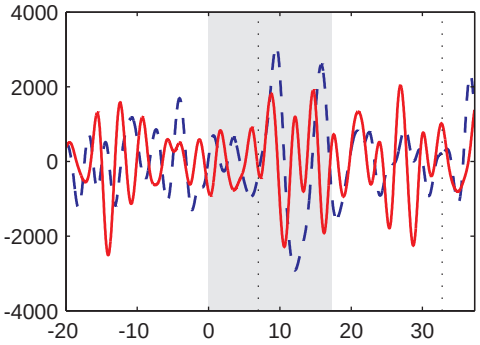
Rotation Correlation:	44<	53° <	65	0.5<0.6s<0.7
Minimum Energy:	39<	42° <	50	0.6<0.7s<0.7
Eigenvalue:	43<	52° <	60	0.6<0.6s<0.7

Quality: **fair** IsNull: **No** Phase: **SKS**





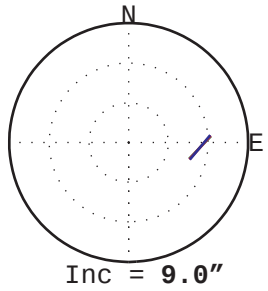


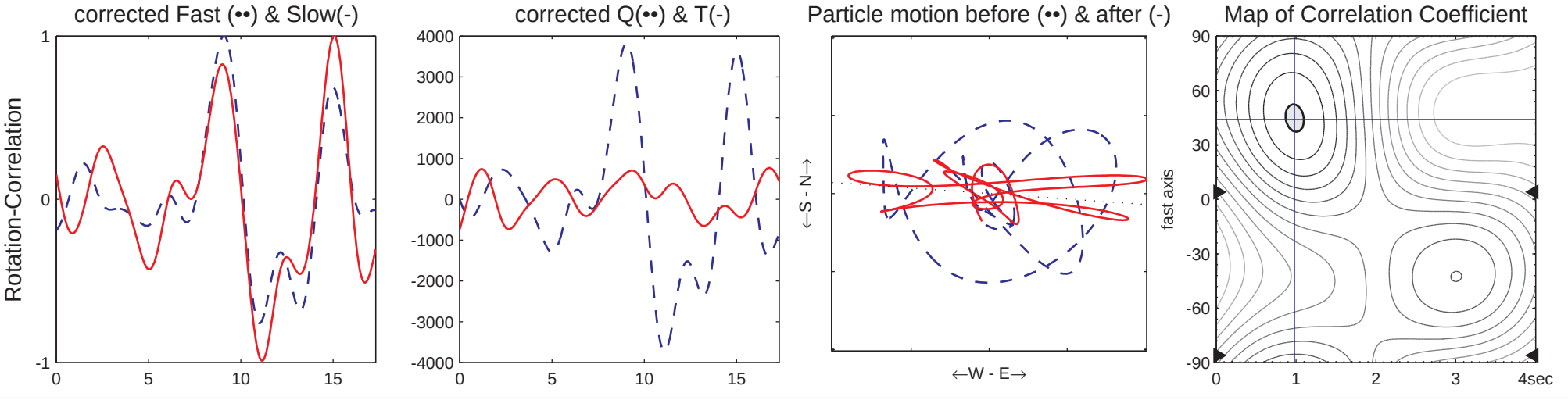


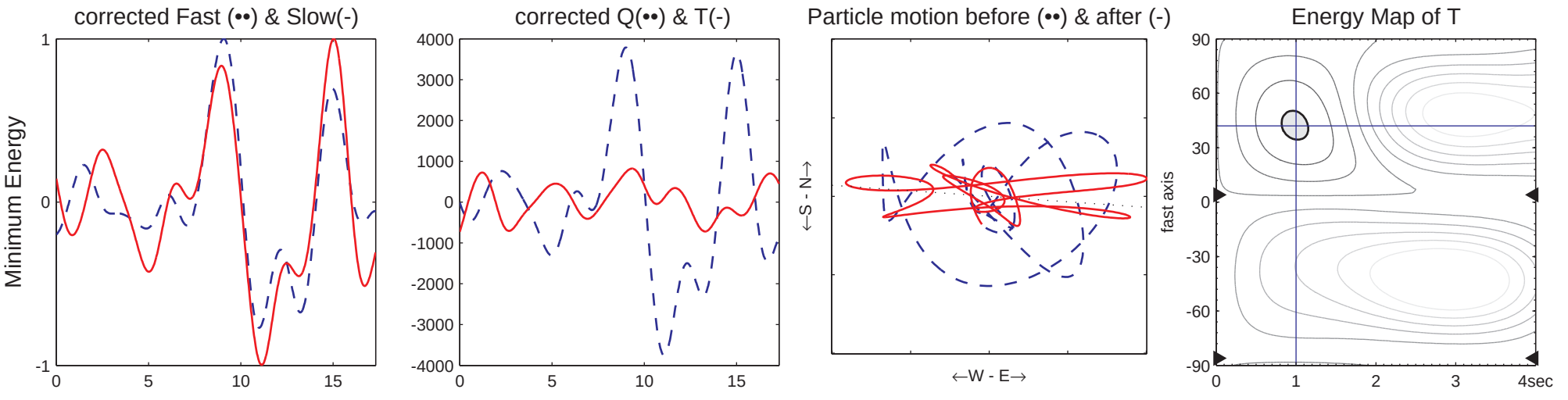
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **KRTS** Backazimuth: **94.0”** Distance: **96.90”**
init.Pol.: **271.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.5**

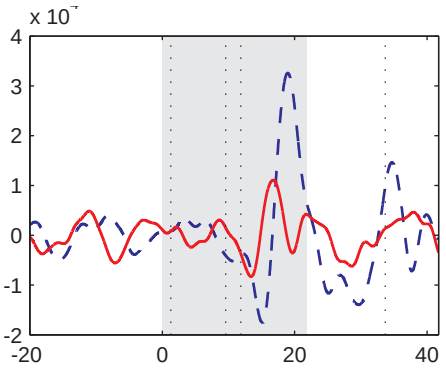
Rotation Correlation:	37<	44° <	53	0.9<1.0s<1.1
Minimum Energy:	35<	42° <	50	0.8<1.0s<1.2
Eigenvalue:	29<	40° <	52	0.8<1.0s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





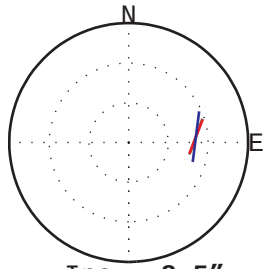


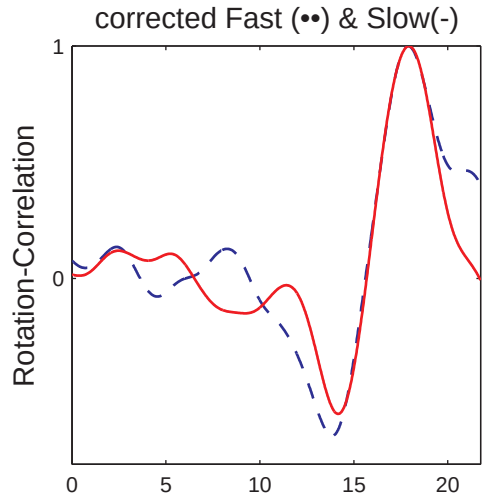


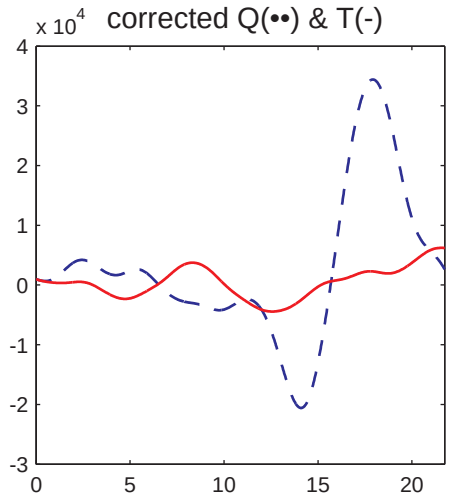
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **KRTS** Backazimuth: **85.1”** Distance: **100.26”**
init.Pol.: **254.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

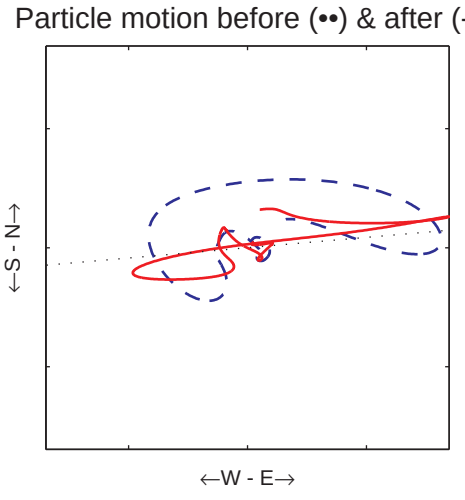
Rotation Correlation:	5<	20° <	41	0.7<1.2s<1.8
Minimum Energy:	9<	21° <	41	0.7<1.2s<1.8
Eigenvalue:	-3<	7° <	19	1.1<1.6s<2.1

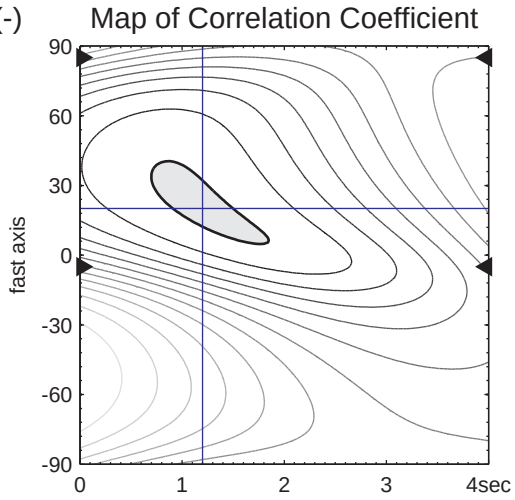
Quality: **good** IsNull: **No** Phase: **SKS**

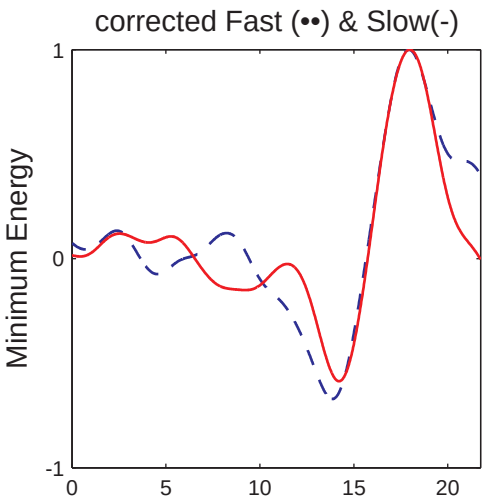


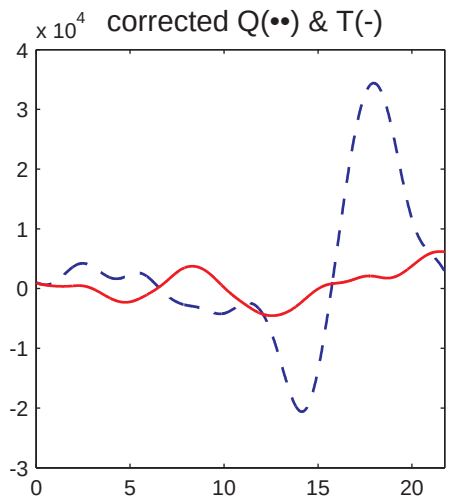


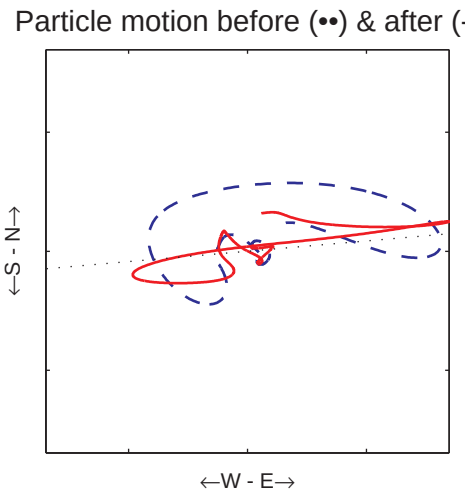


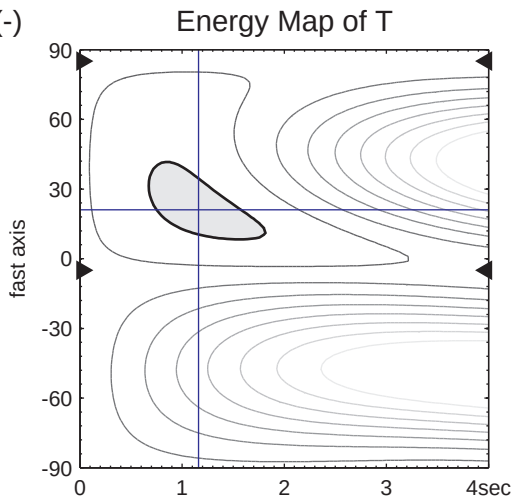


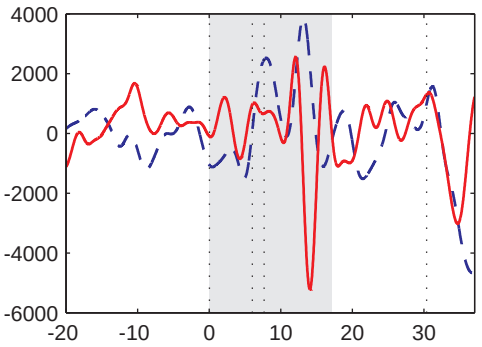








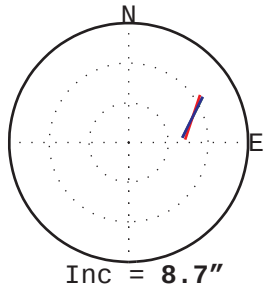


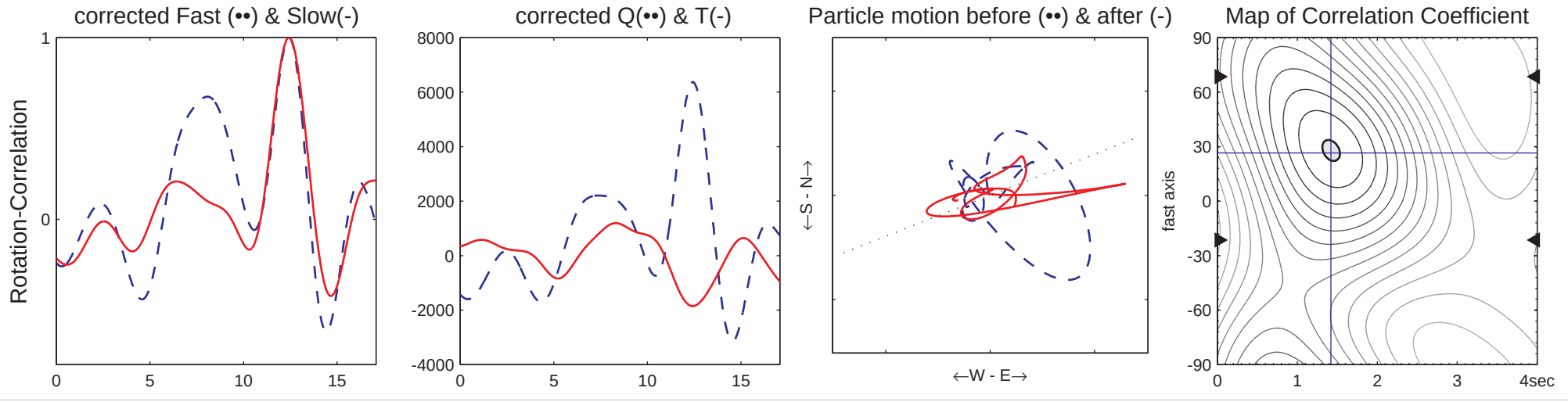


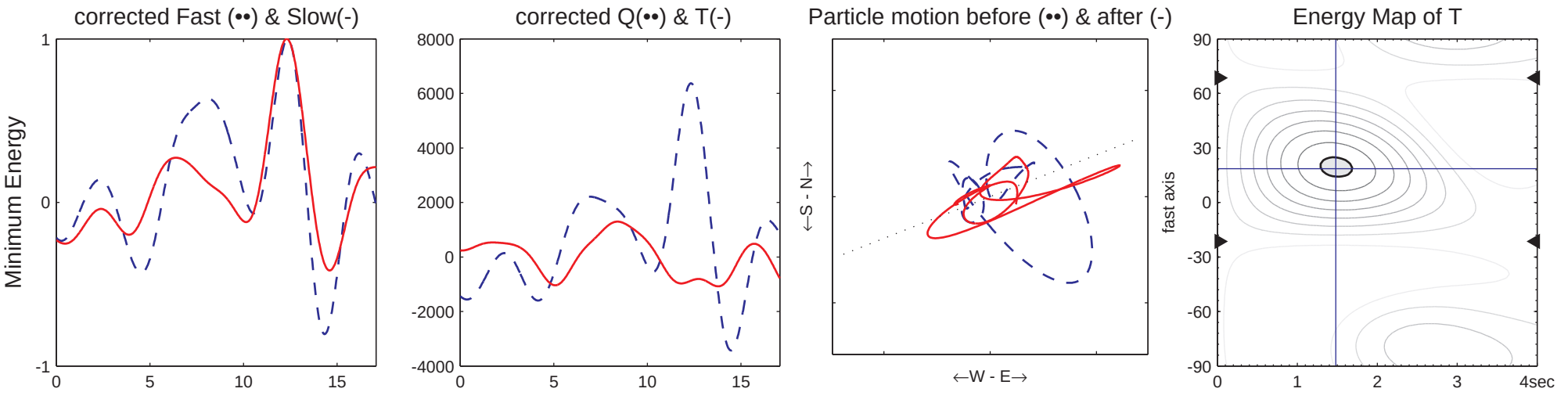
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **KRTS** Backazimuth: **68.5”** Distance: **99.35”**
init.Pol.: **259.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.5**

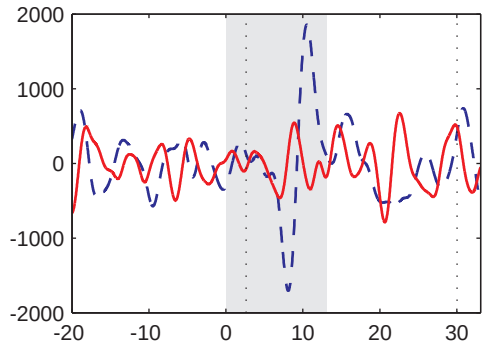
Rotation Correlation:	23<	27° <	34	1.3<1.4s<1.5
Minimum Energy:	13<	19° <	25	1.3<1.5s<1.7
Eigenvalue:	15<	27° <	37	1.2<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





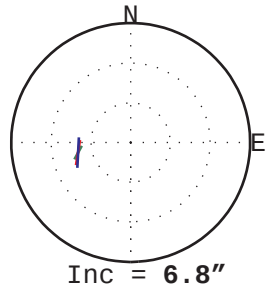


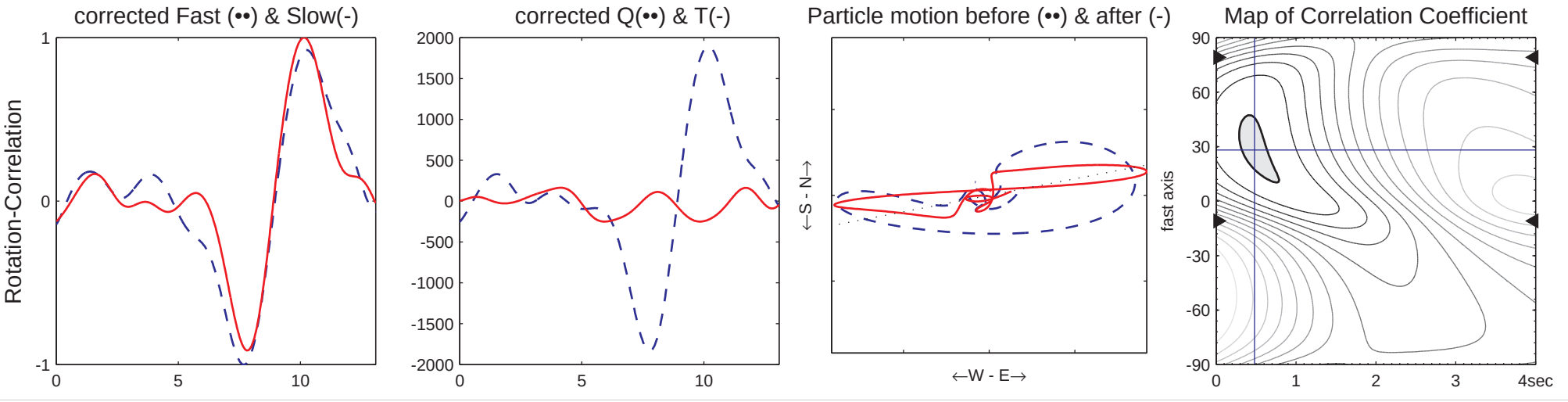


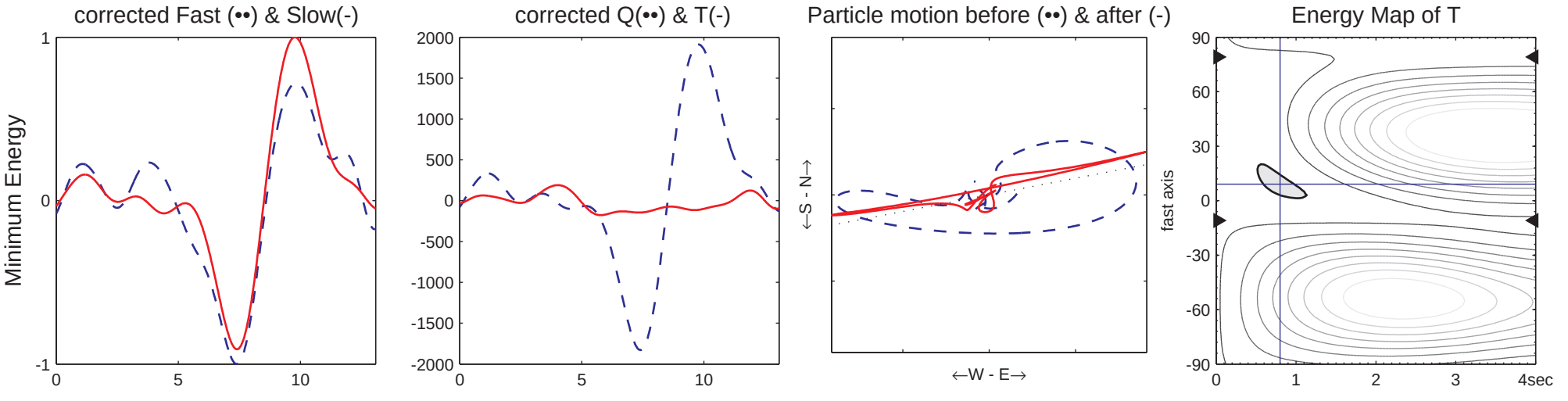
Event: **12-Jul-2010 (193) 00:11 -22.15N -68.22E 115km Mw=6.3**
Station: **KRTS** Backazimuth: **259.1”** Distance: **113.54”**
init.Pol.: **75.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.7**

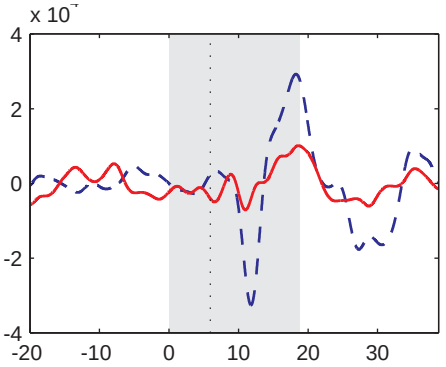
Rotation Correlation:	11<	28° <	48	0.3<0.5s<0.8
Minimum Energy:	1<	9° <	19	0.5<0.8s<1.1
Eigenvalue:	-3<	3° <	17	0.6<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





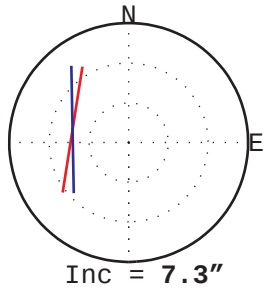


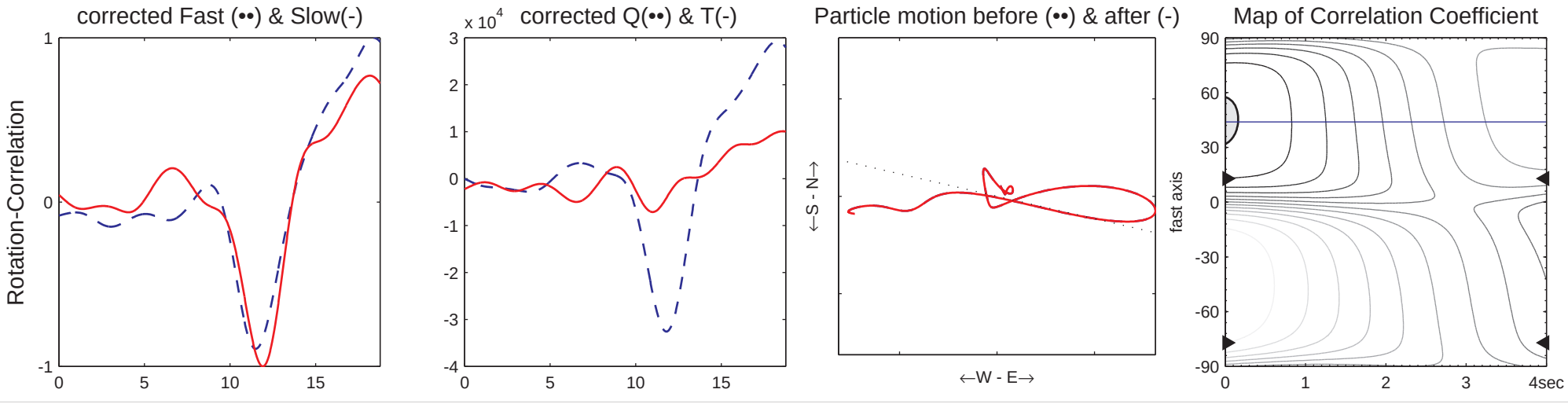


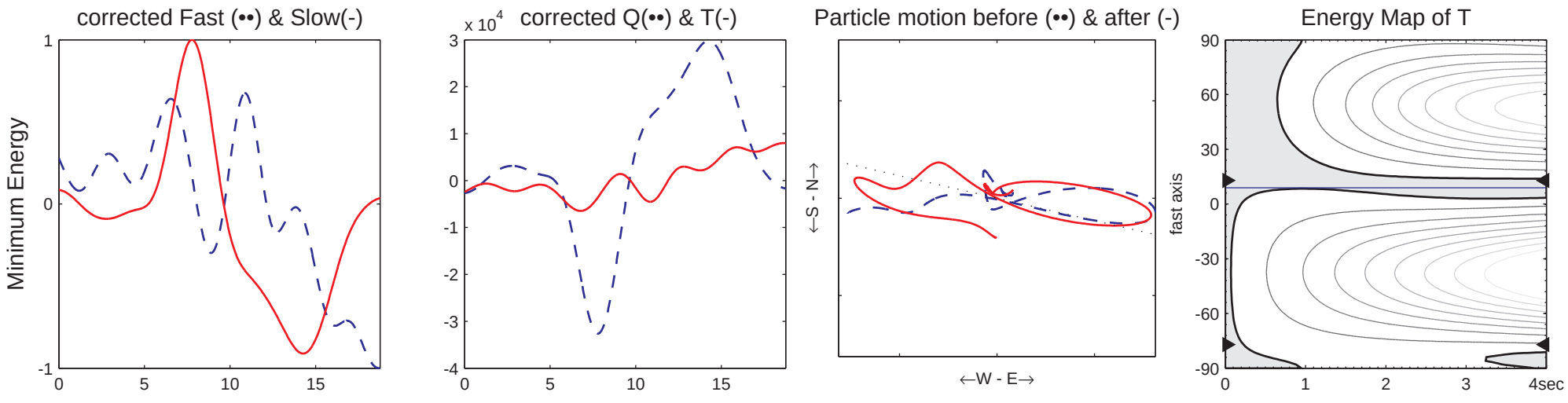
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **KRTS** Backazimuth: **282.9”** Distance: **108.83”**
init.Pol.: **84.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.0**

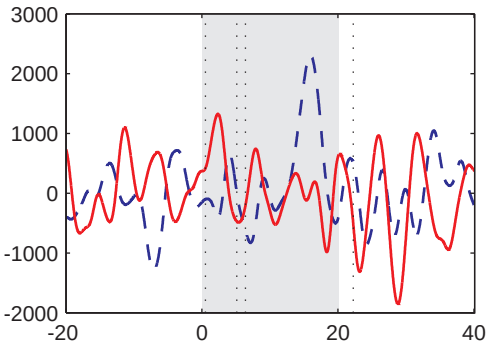
Rotation Correlation:	32<	44° <	58	0.0<0.0s<0.2
Minimum Energy:	-Inf<	9° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-9<	-1° <	84	0.0<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





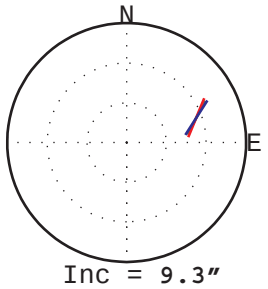


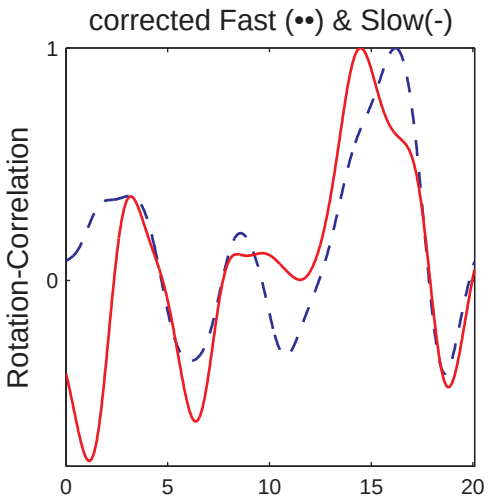


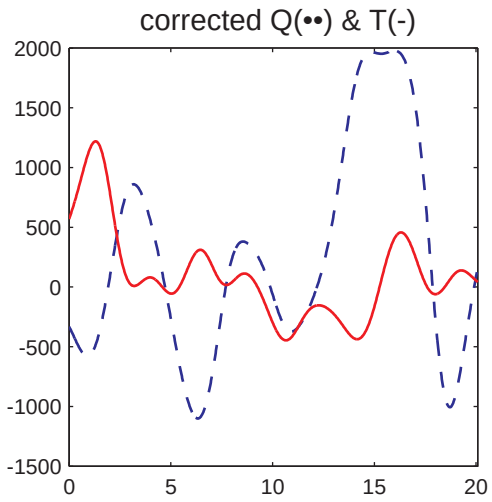
Event: **14-Aug-2010 (226) 07:30 12.35N 141.49E 10km Mw=6.2**
Station: **KRTS** Backazimuth: **70.4”** Distance: **95.18”**
init.Pol.: **258.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.7**

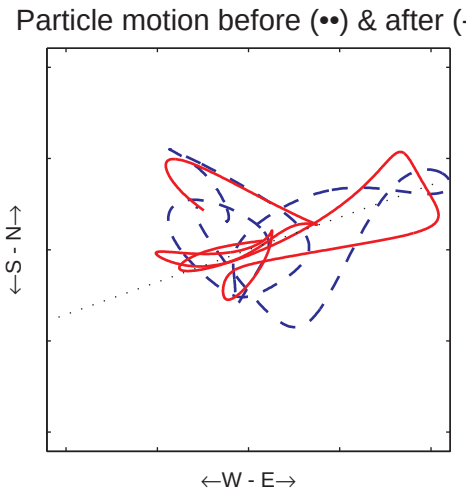
Rotation Correlation:	15<	27° <	41	0.8<1.2s<1.6
Minimum Energy:	-1<	22° <	54	0.6<1.3s<2.0
Eigenvalue:	1<	32° <	72	0.7<1.3s<2.1

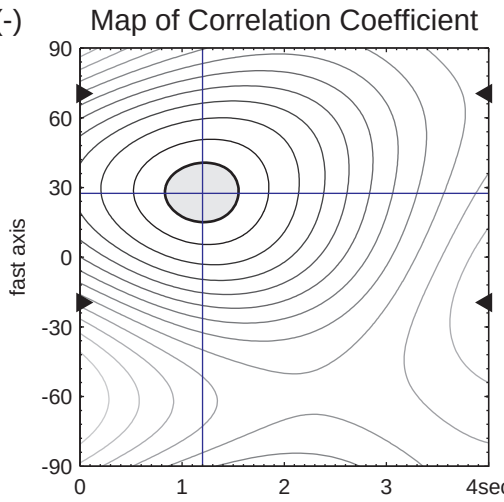
Quality: **fair** IsNull: **No** Phase: **SKS**

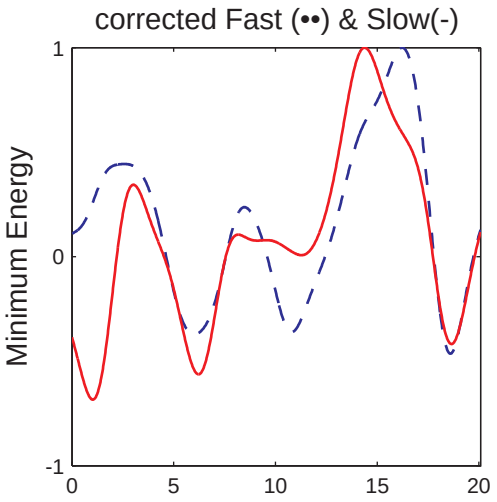


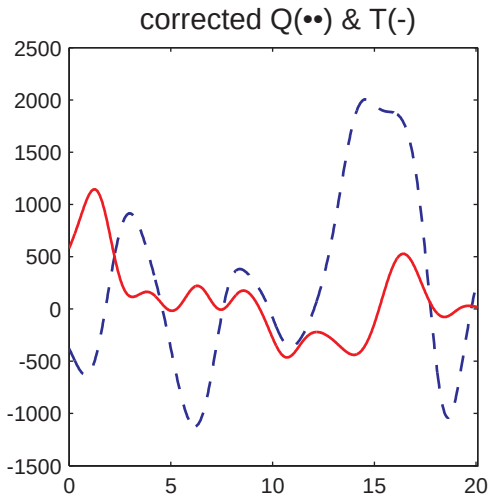


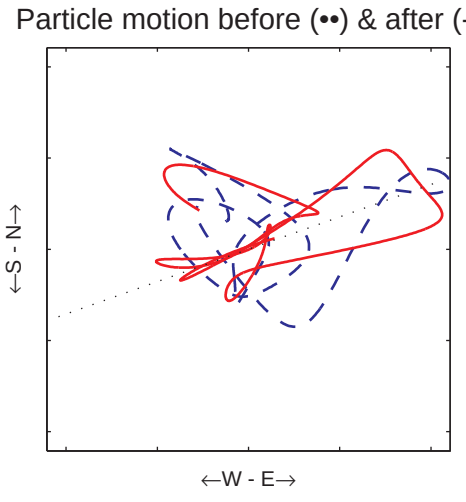


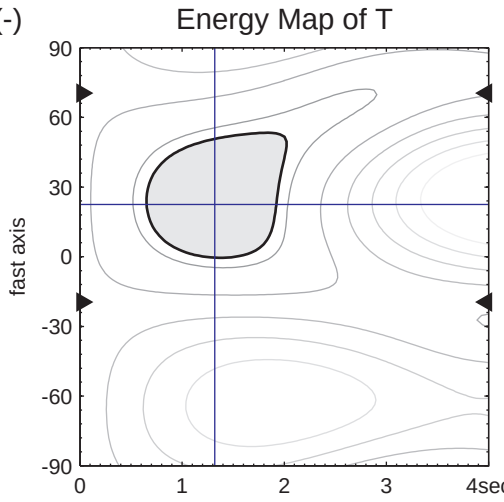


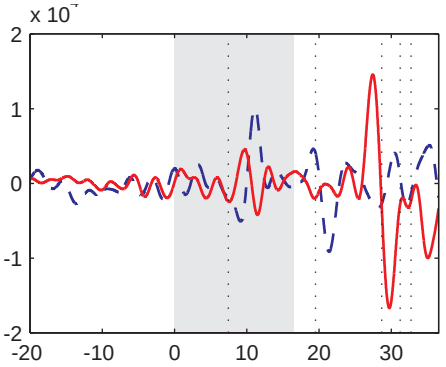








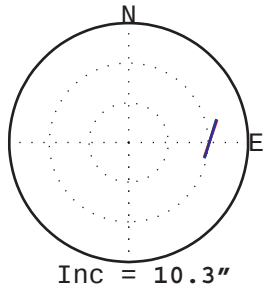


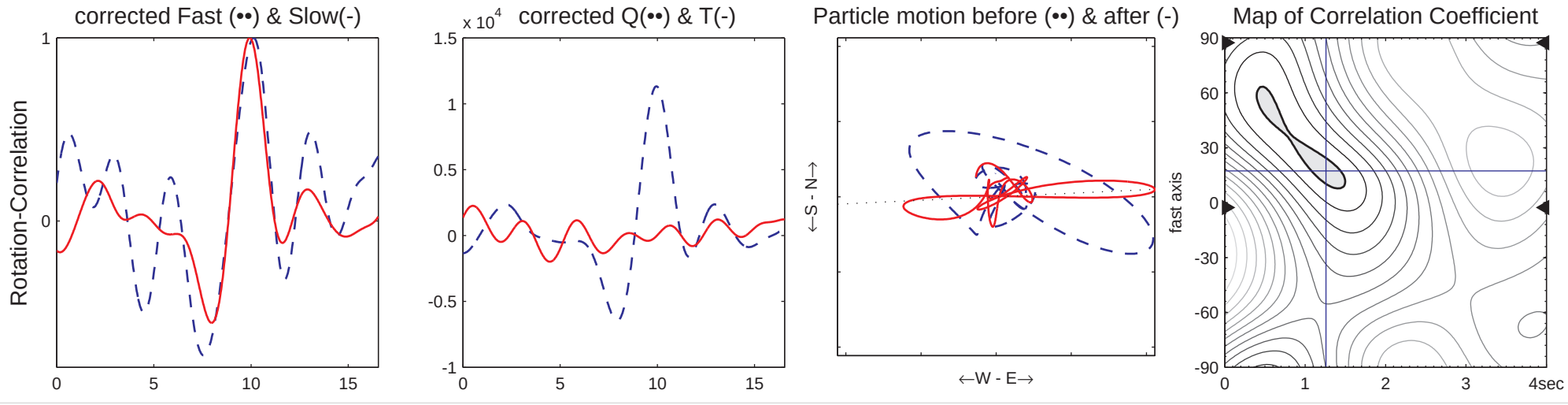


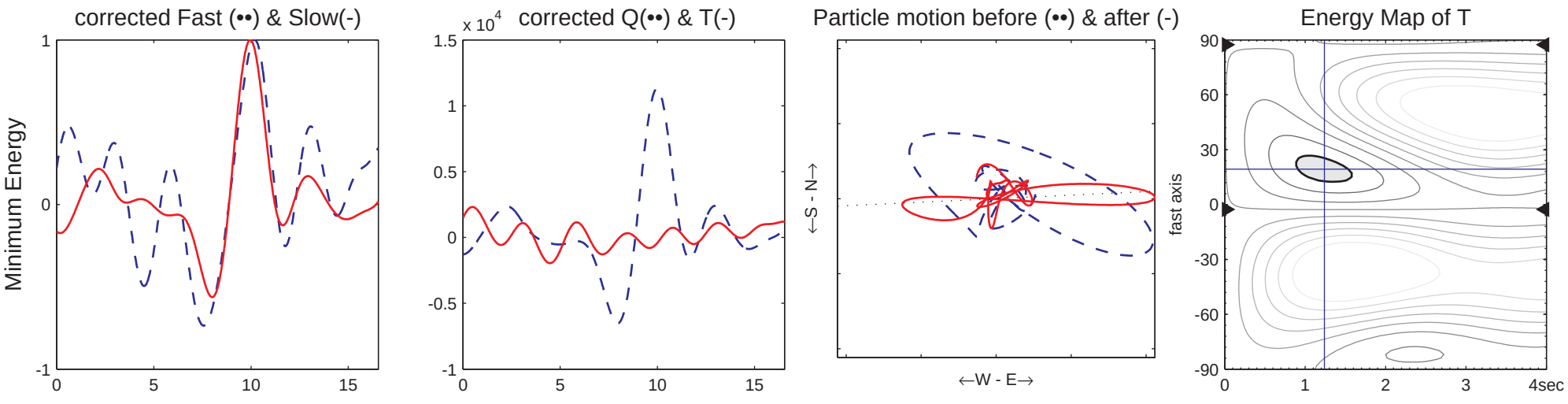
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **KRTS** Backazimuth: **87.3”** Distance: **89.37”**
init.Pol.: **264.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.3**

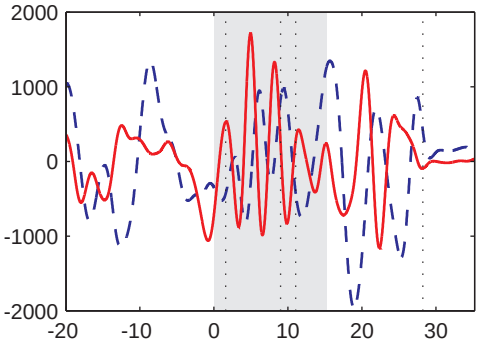
Rotation Correlation:	8<	17° <	64	0.4<1.3s<1.5
Minimum Energy:	13<	19° <	27	0.9<1.2s<1.6
Eigenvalue:	5<	17° <	33	0.8<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





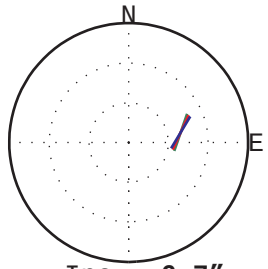




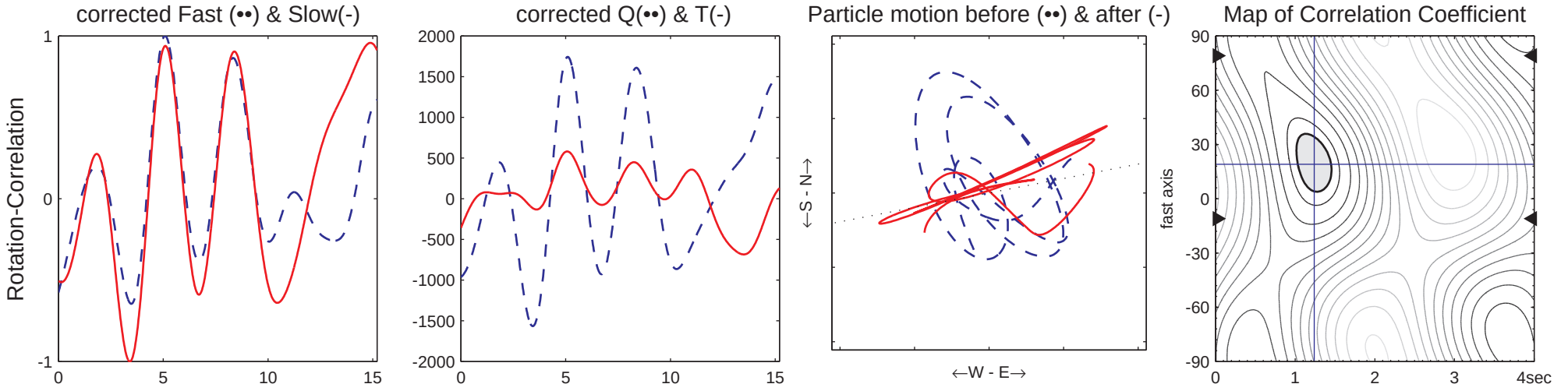
Event: **16-Jun-2011 (167) 00:03 -5.93N 151.04E 16km Mw=6.4**
Station: **KRTS** Backazimuth: **79.0”** Distance: **114.05”**
init.Pol.: **268.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.2**

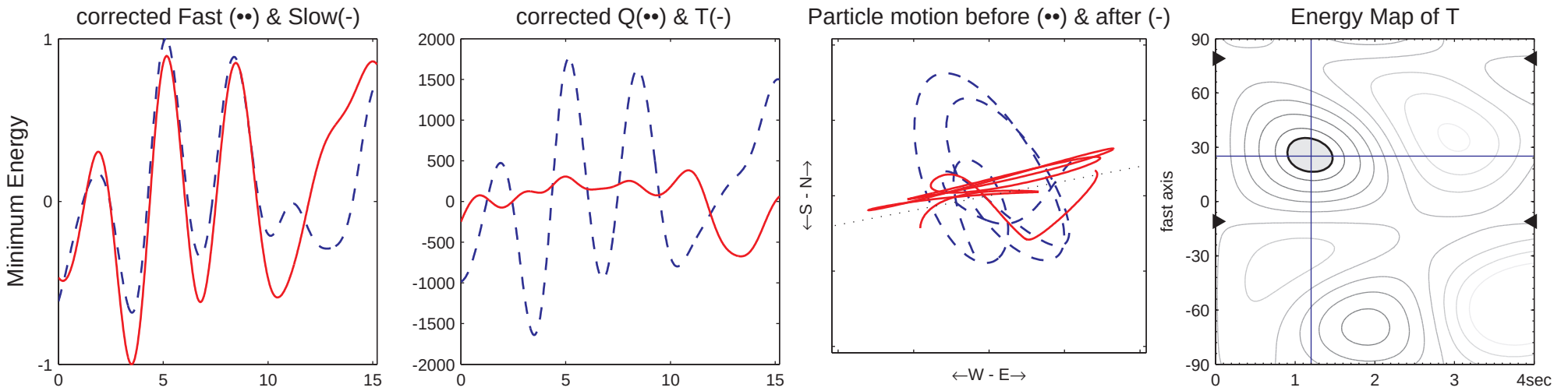
Rotation Correlation:	4<	19° <	36	1.0<1.2s<1.4
Minimum Energy:	17<	25° <	35	0.9<1.2s<1.5
Eigenvalue:	13<	31° <	52	0.8<1.2s<1.4

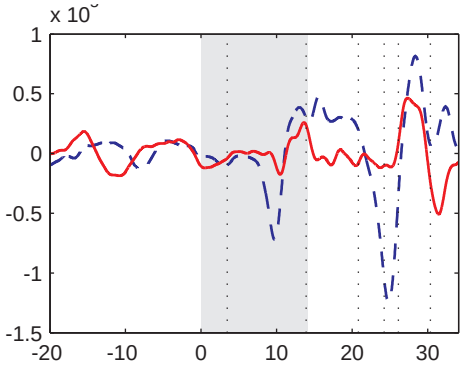
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.7”**



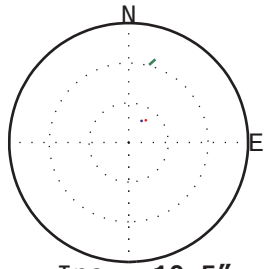




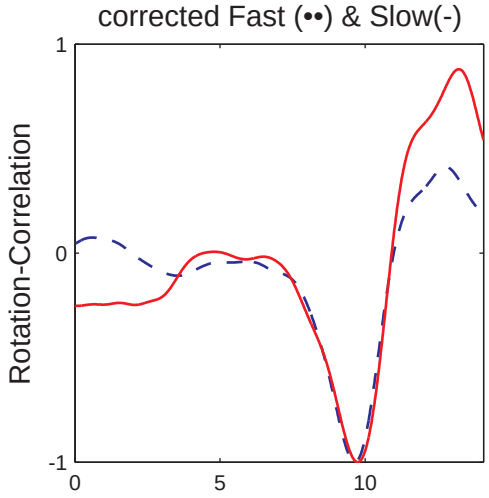
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **KRTS** Backazimuth: **16.3”** Distance: **88.24”**
init.Pol.: **206.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.4**

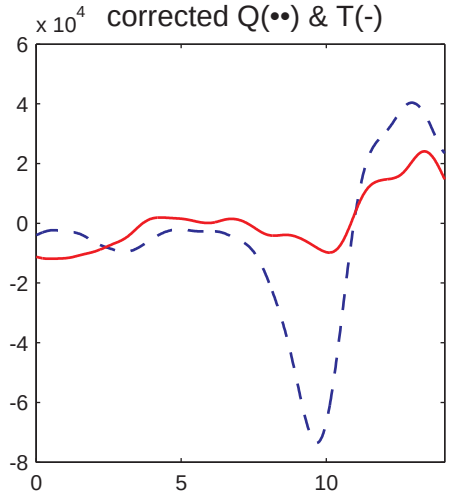
Rotation Correlation:	34<	48° <	64	0.0<0.3s<0.5
Minimum Energy:	3<	6° <	9	3.1<3.7s<4.0
Eigenvalue:	5<	10° <	15	3.4<3.8s<4.0

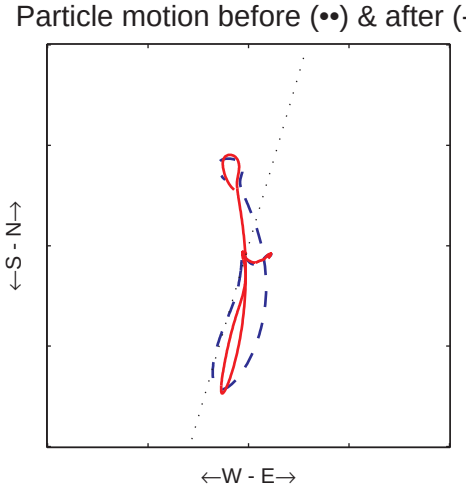
Quality: **good** IsNull: **Yes** Phase: **SKS**

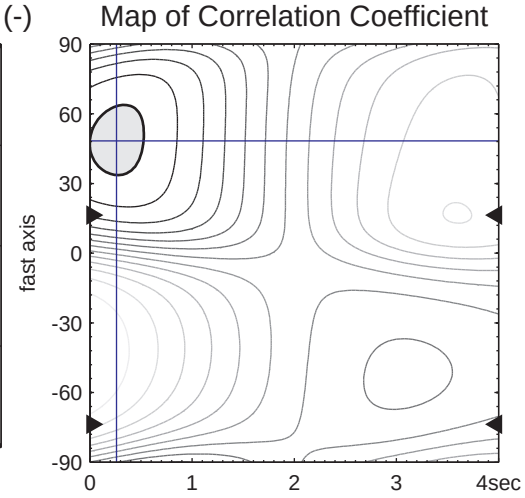


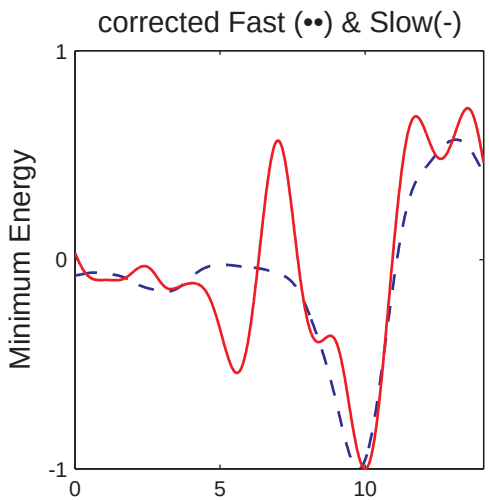
Inc = **10.5”**

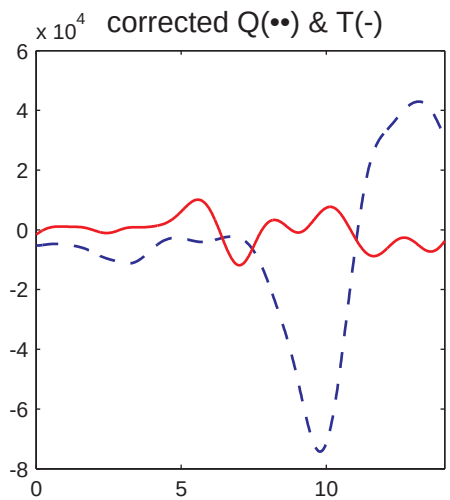


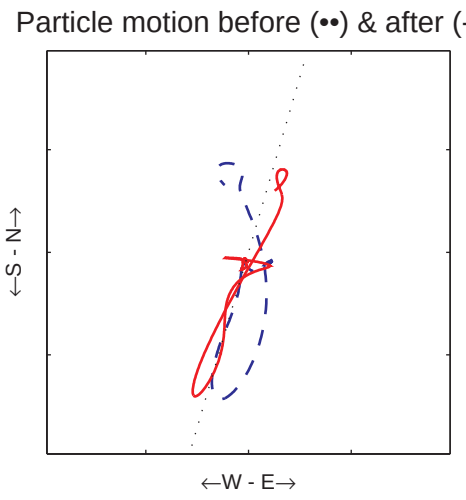


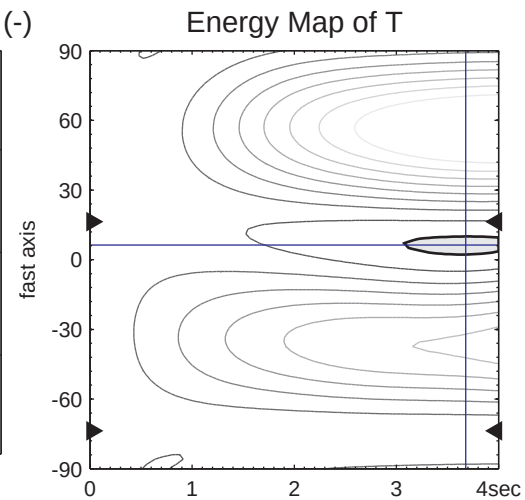


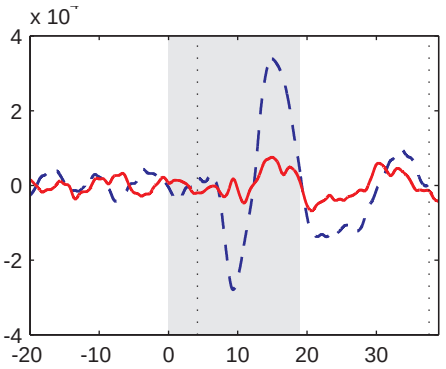








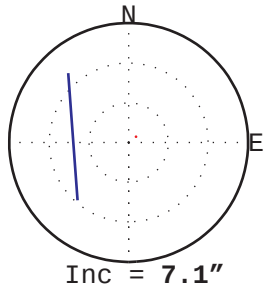


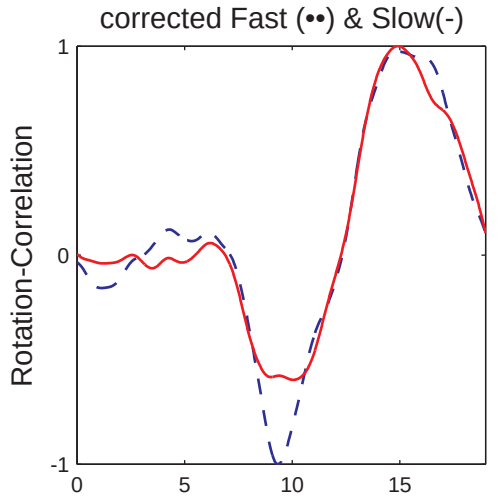


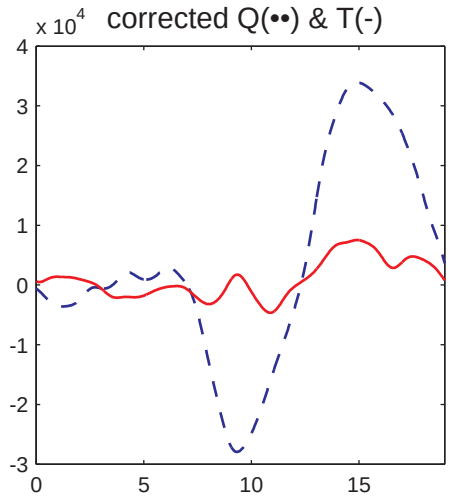
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **KRTS** Backazimuth: **275.8”** Distance: **110.50”**
init.Pol.: **83.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.9**

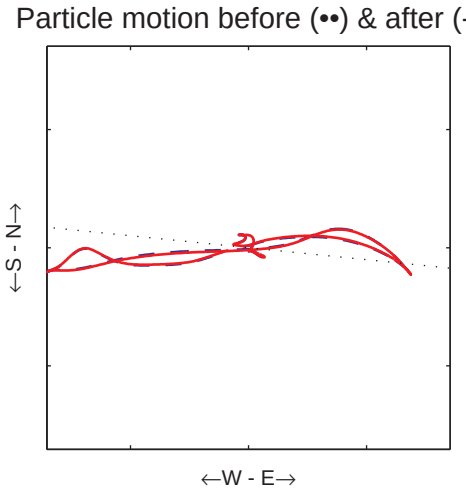
Rotation Correlation:	-61<	-48° <	-37 0.0<0.0s<0.2
Minimum Energy:	88<	90° <	-92 3.6<4.0s<4.0
Eigenvalue:	-Inf<	-4° <	Inf 0.0<4.0s<Inf

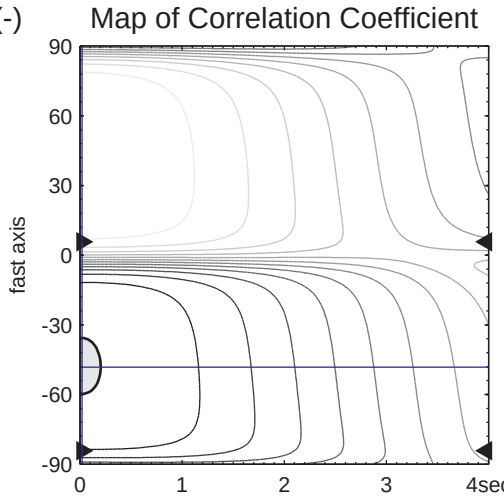
Quality: **good** IsNull: **Yes** Phase: **SKS**

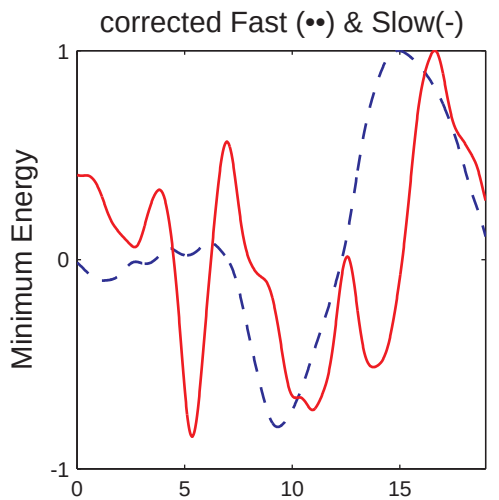


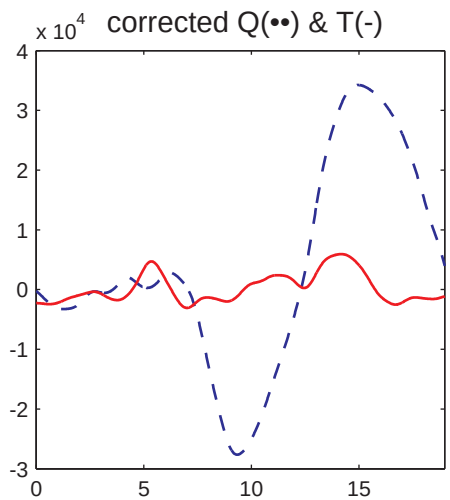


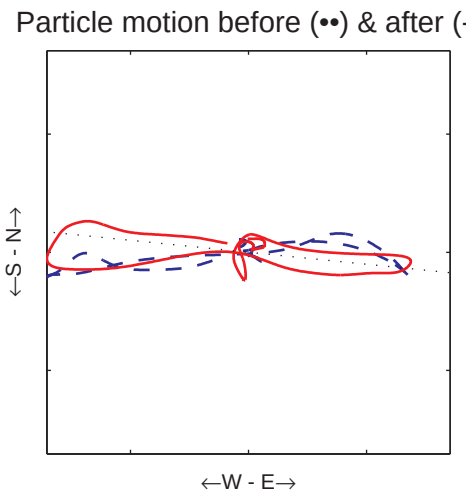


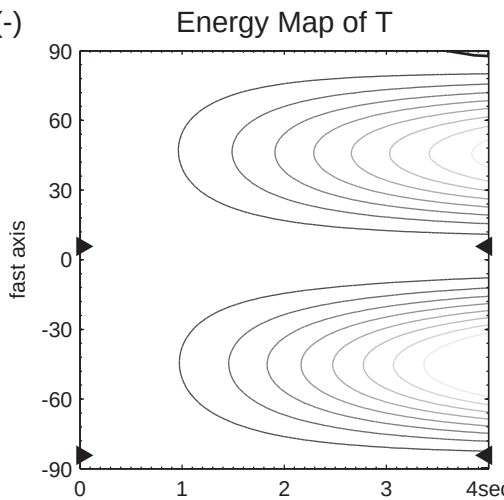


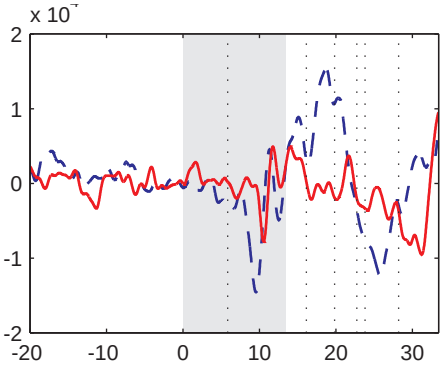








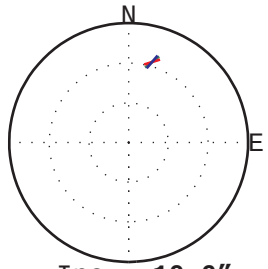




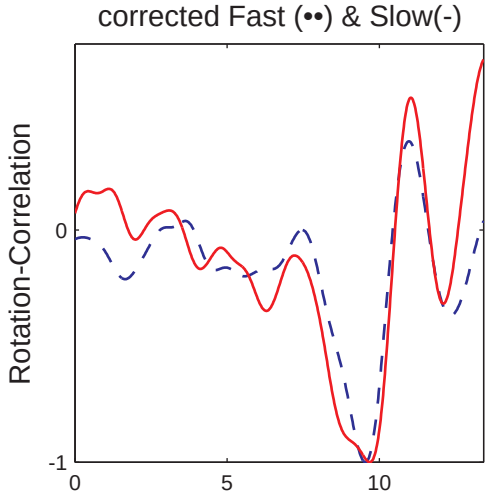
Event: **02-Sep-2011 (245) 10:55 52.17N -171.71E 32km Mw=6.9**
Station: **KRTS** Backazimuth: **16.2”** Distance: **88.16”**
init.Pol.: **178.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

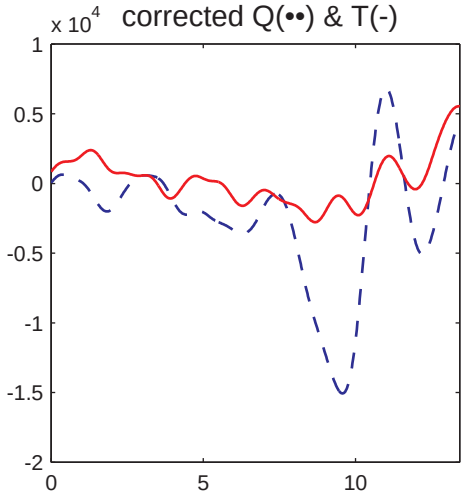
Rotation Correlation:	46<	52° <	60	0.5<0.6s<0.6
Minimum Energy:	58<	72° <	86	0.4<0.5s<0.7
Eigenvalue:	23<	40° <	64	0.4<0.5s<0.6

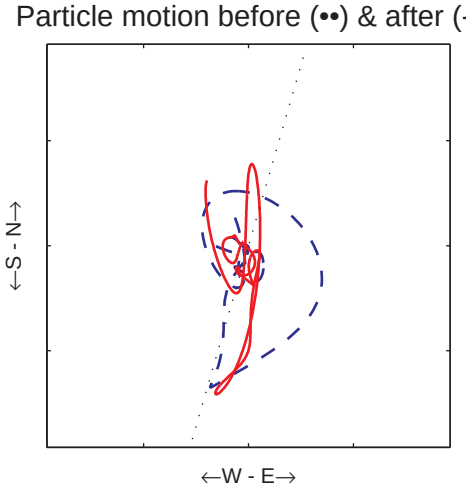
Quality: **fair** IsNull: **No** Phase: **SKS**

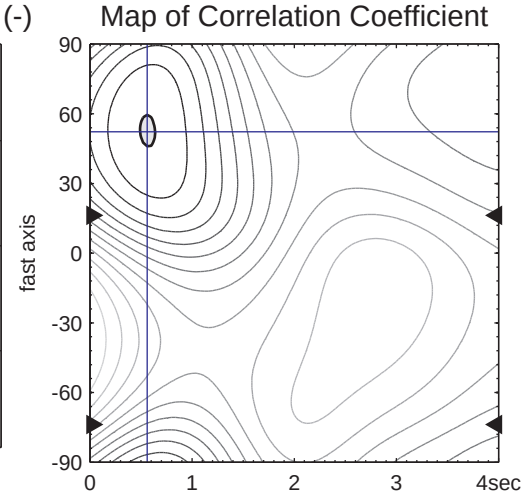


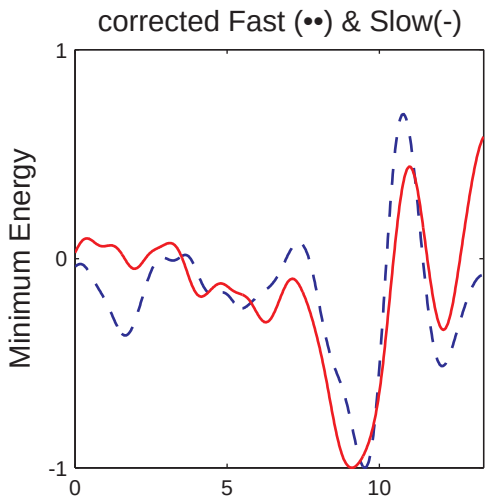
Inc = **10.6”**

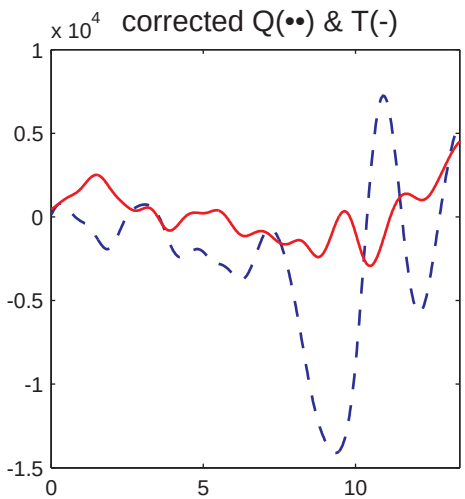


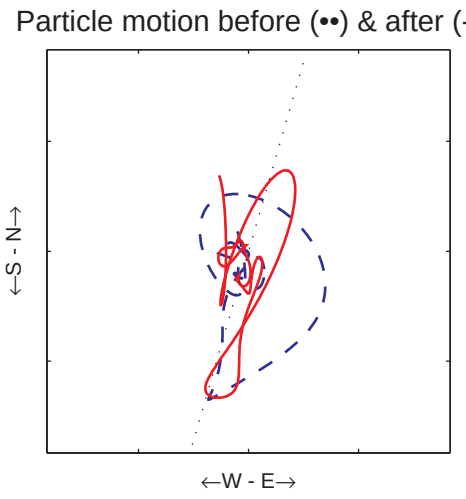


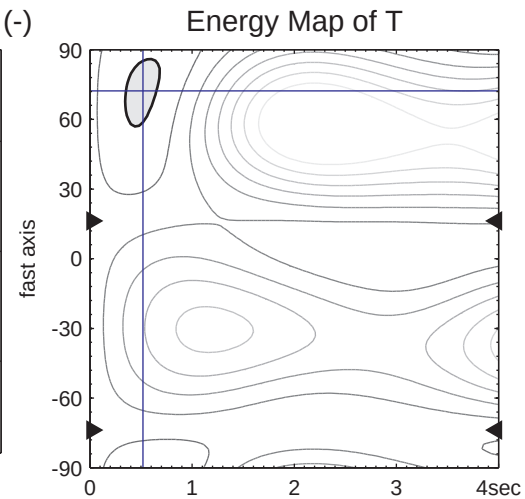


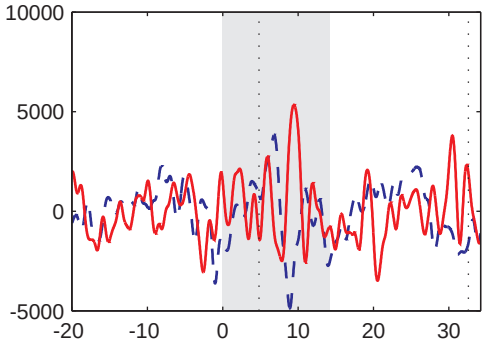








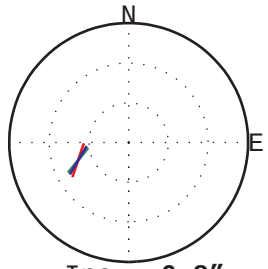




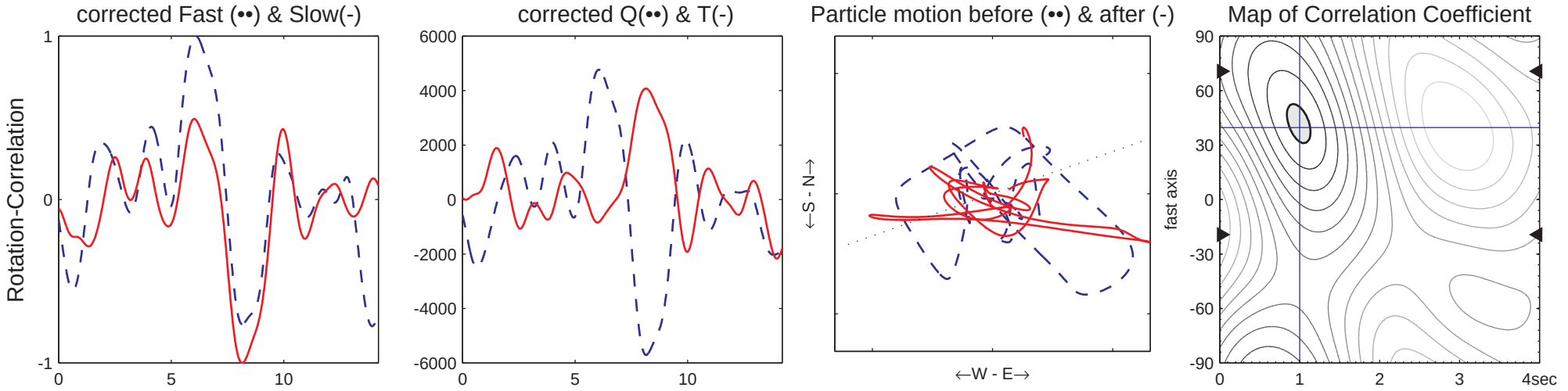
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **KRTS** Backazimuth: **250.7”** Distance: **112.75”**
init.Pol.: **87.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.4**

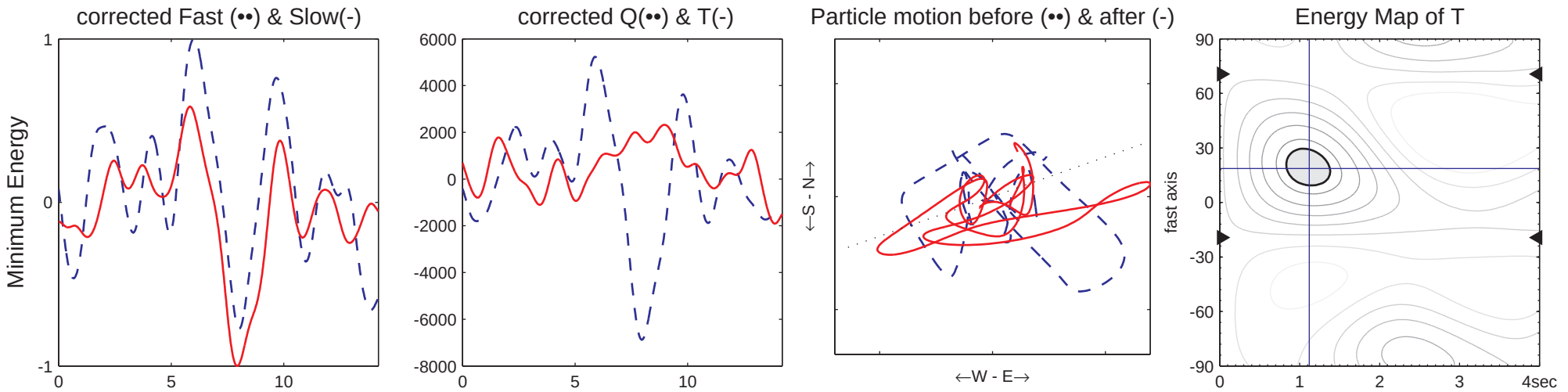
Rotation Correlation:	31<	40° <	53	0.8<1.0s<1.1
Minimum Energy:	9<	19° <	29	0.8<1.1s<1.4
Eigenvalue:	15<	31° <	48	0.8<1.0s<1.3

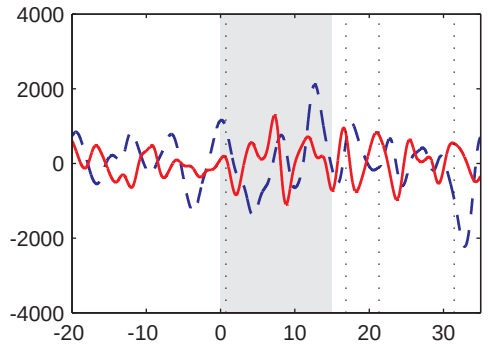
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



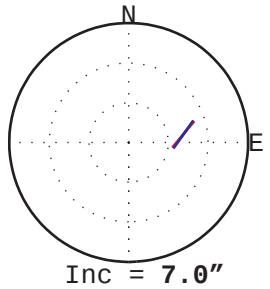


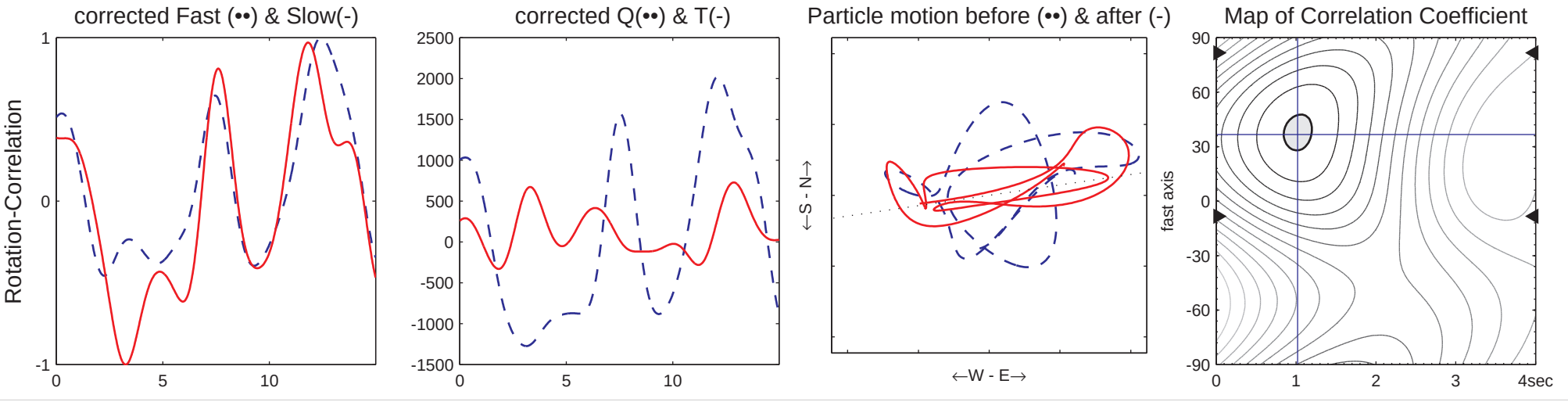


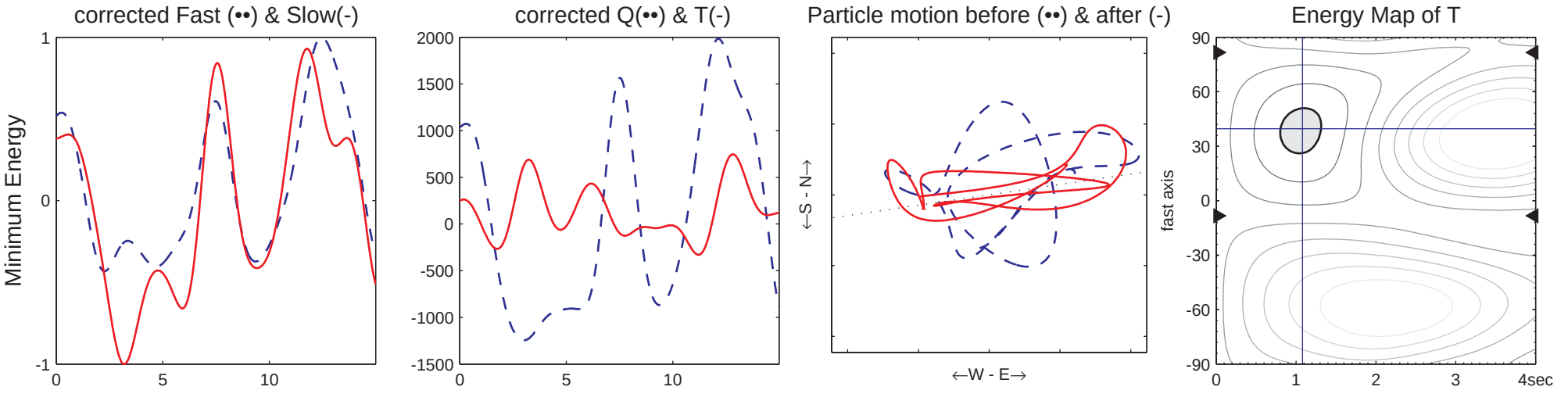
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **KRTS** Backazimuth: **81.7”** Distance: **111.94”**
init.Pol.: **259.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.6**

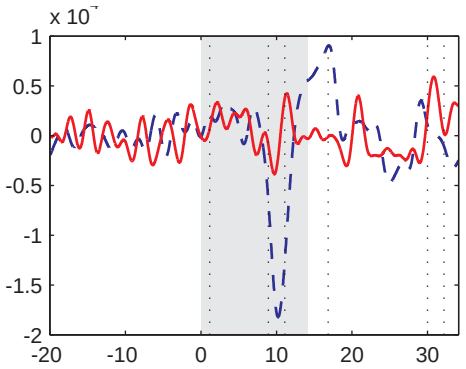
Rotation Correlation:	28<	37° <	48	0.8<1.0s<1.2
Minimum Energy:	25<	40° <	52	0.8<1.1s<1.3
Eigenvalue:	19<	36° <	52	0.8<1.1s<1.3

Quality: **good** IsNull: **No** Phase: **SKS**





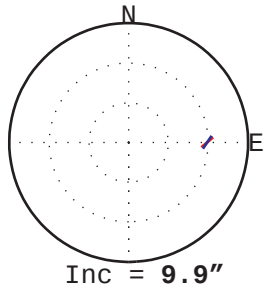


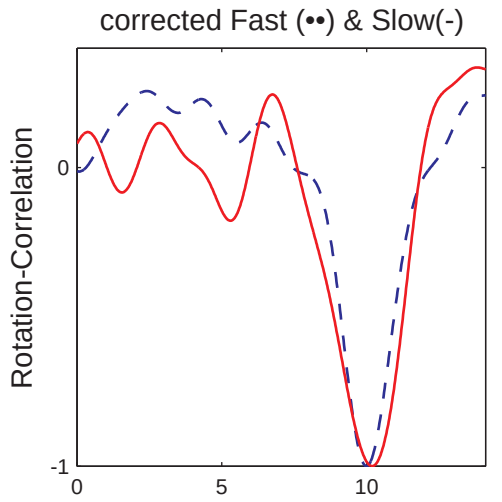


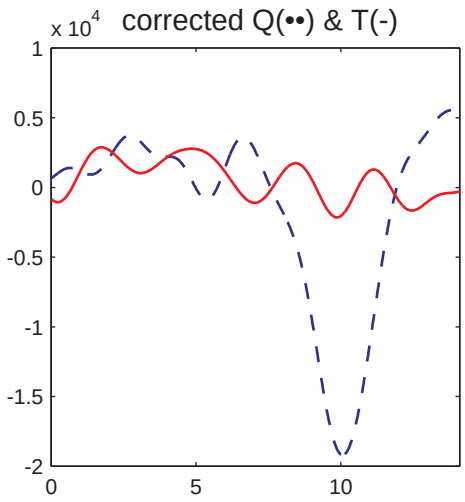
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **KRTS** Backazimuth: **89.8”** Distance: **91.80”**
init.Pol.: **265.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

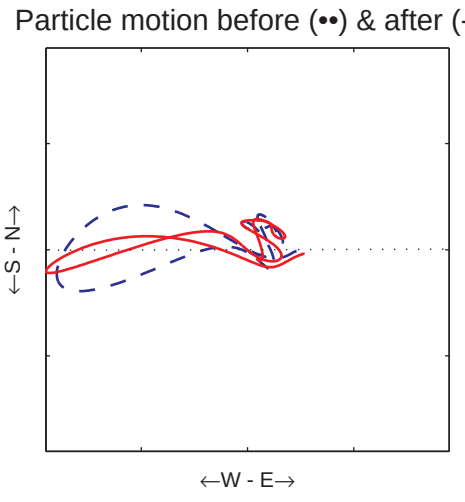
Rotation Correlation:	34<	42° <	52	0.3<0.5s<0.6
Minimum Energy:	15<	50° <	78	0.2<0.5s<0.9
Eigenvalue:	3<	34° <	72	0.2<0.5s<1.1

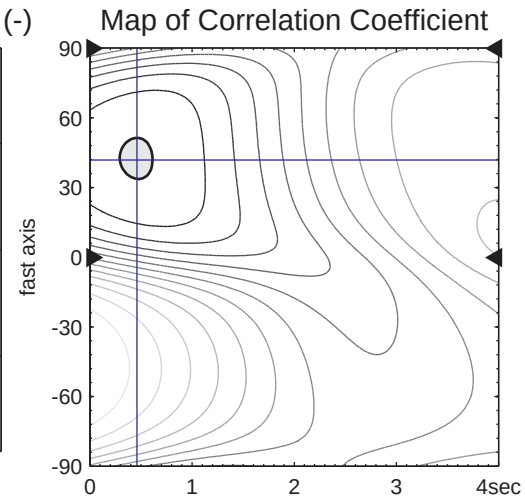
Quality: **fair** IsNull: **No** Phase: **SKS**

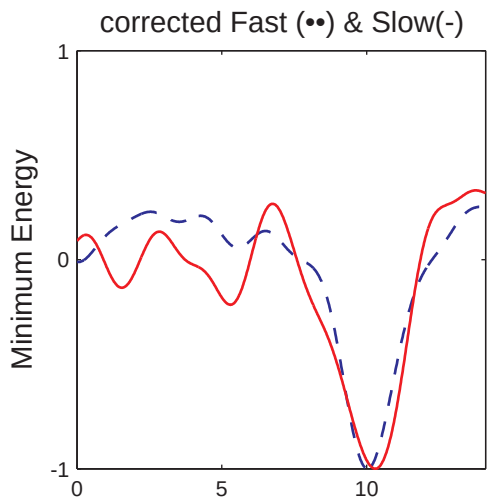


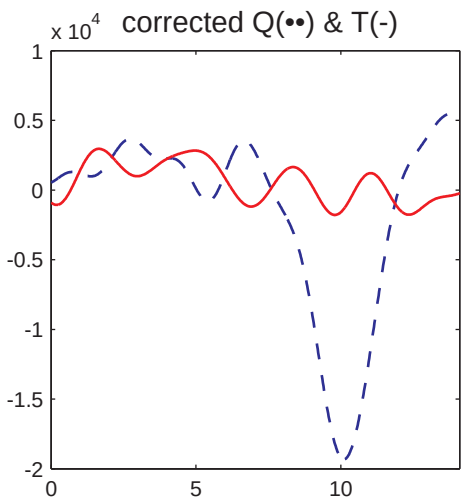


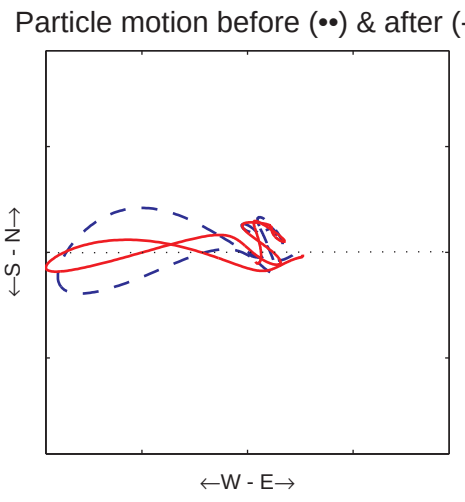


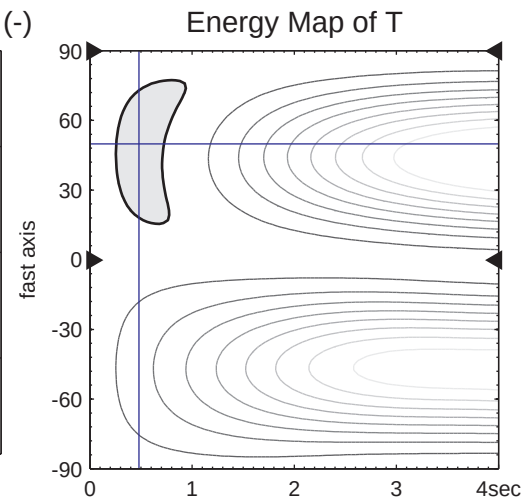


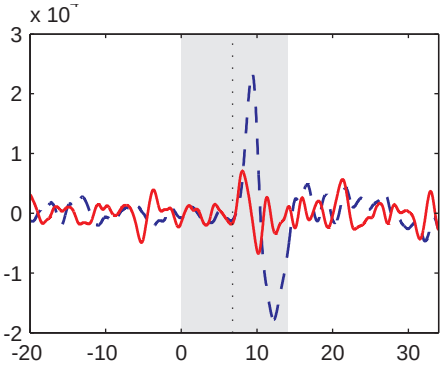








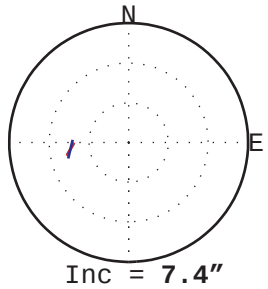


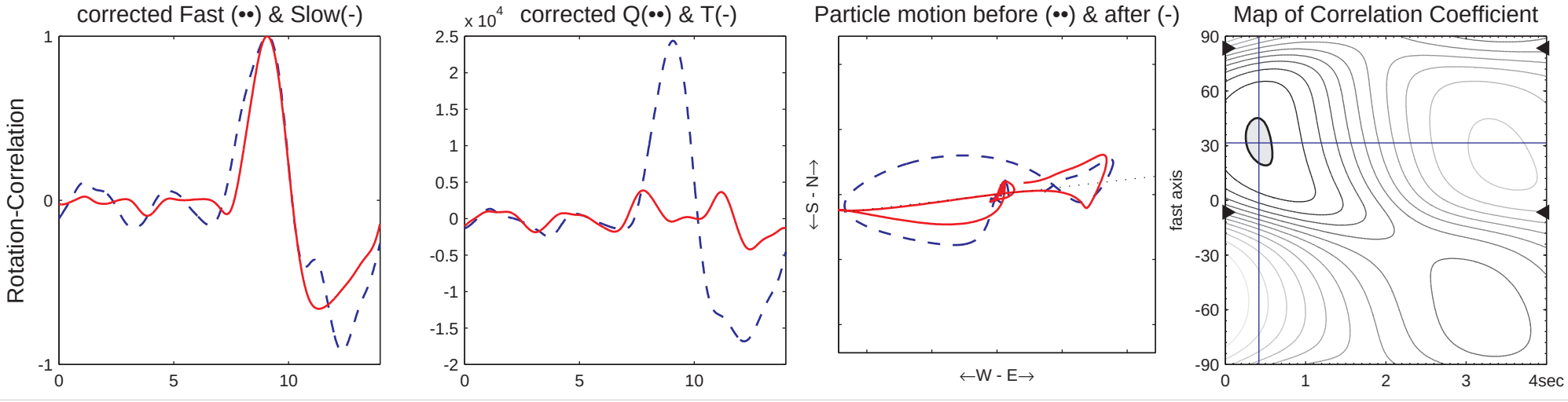


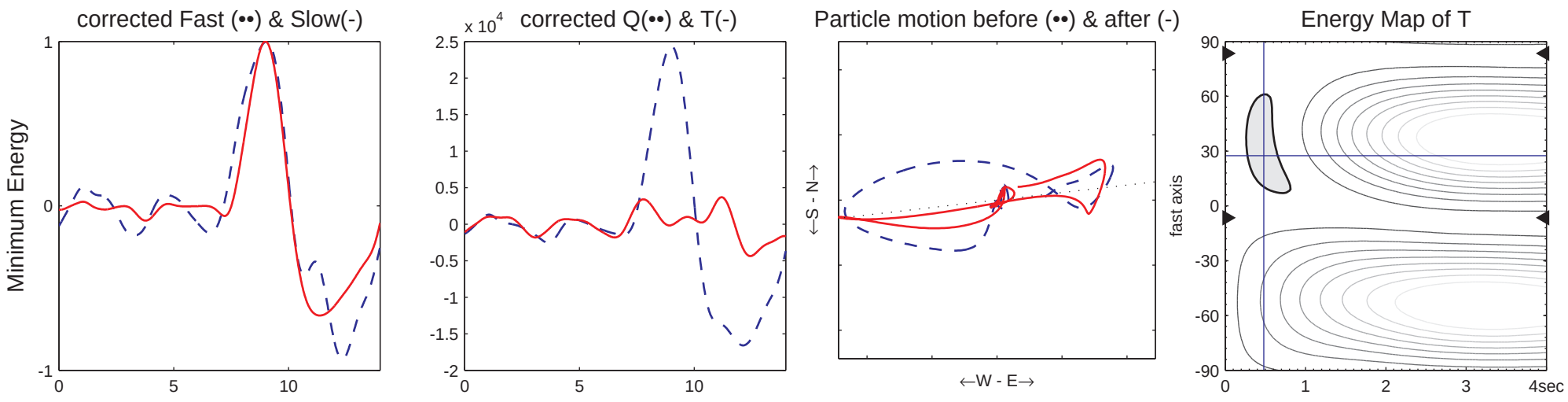
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km Mw=6.6**
Station: **KRTS** Backazimuth: **263.5”** Distance: **107.37”**
init.Pol.: **78.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.9**

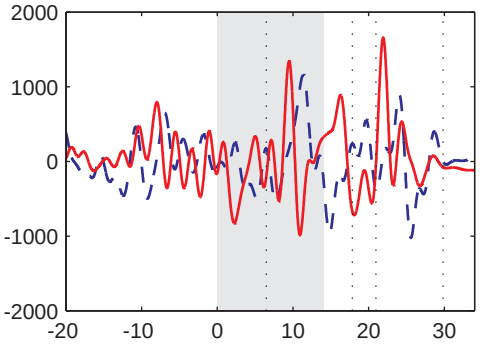
Rotation Correlation:	20<	31° <	45	0.2<0.4s<0.6
Minimum Energy:	7<	27° <	62	0.3<0.5s<0.8
Eigenvalue:	-3<	13° <	48	0.3<0.6s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





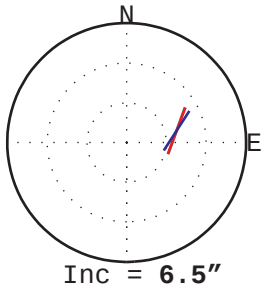


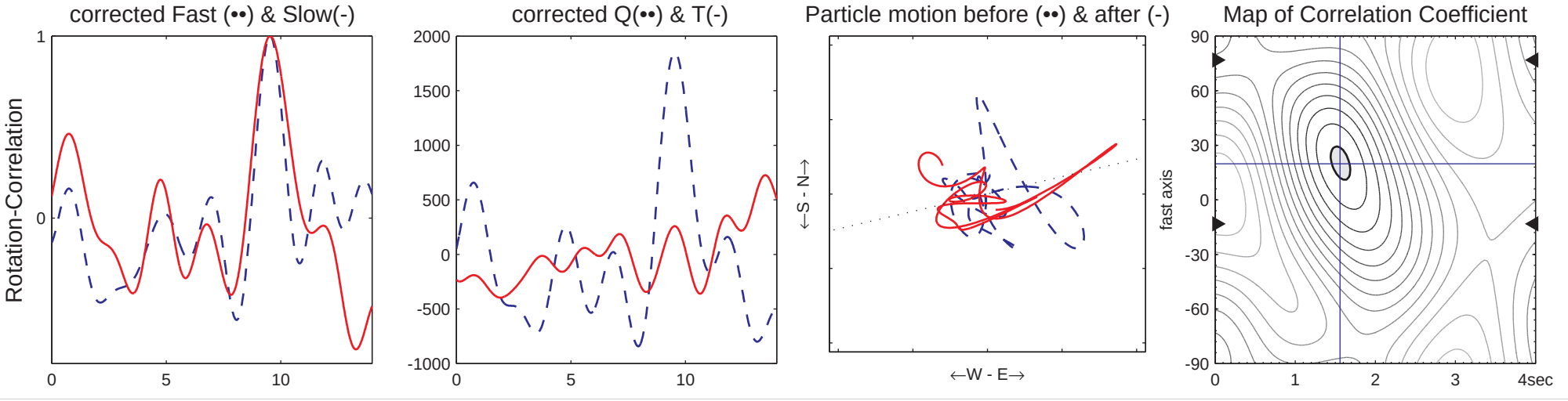


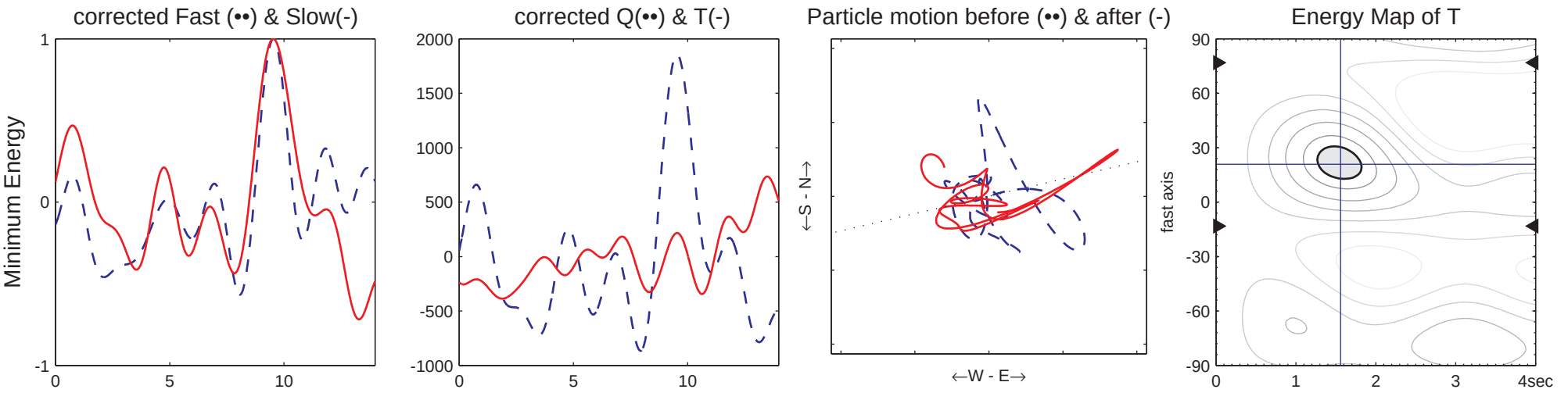
Event: **28-Nov-2011 (332) 12:26 -5.48N 153.73E 25km Mw=6.1**
Station: **KRTS** Backazimuth: **76.8”** Distance: **115.89”**
init.Pol.: **273.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

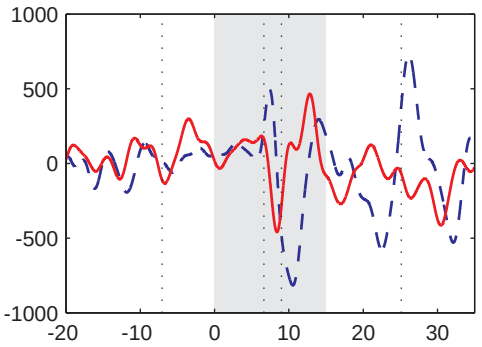
Rotation Correlation:	12<	20° <	30	1.4<1.6s<1.7
Minimum Energy:	13<	21° <	31	1.3<1.6s<1.8
Eigenvalue:	13<	33° <	52	1.2<1.5s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





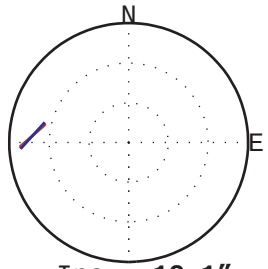




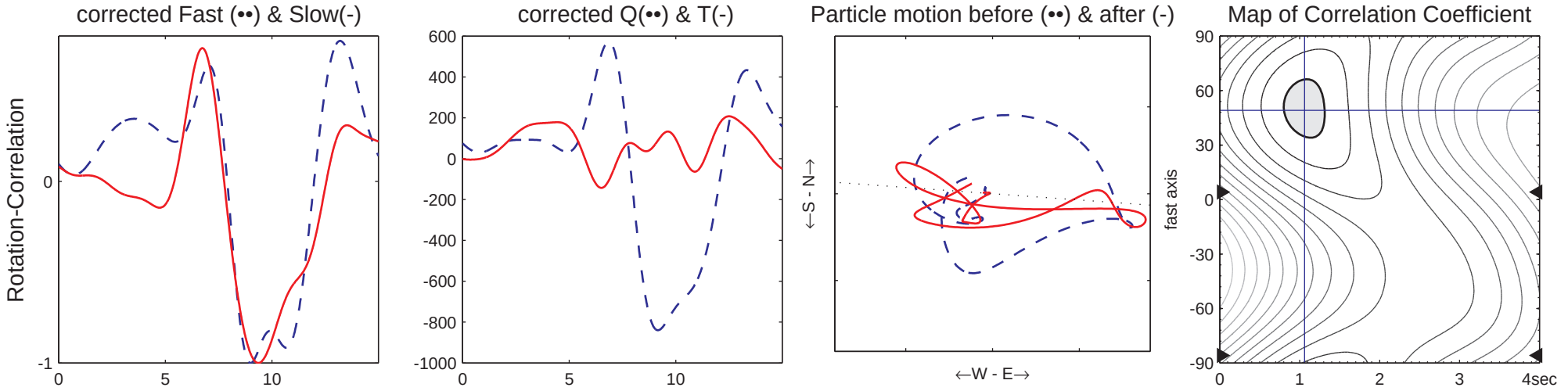
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **LADK** Backazimuth: **274.1”** Distance: **108.06”**
init.Pol.: **91.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

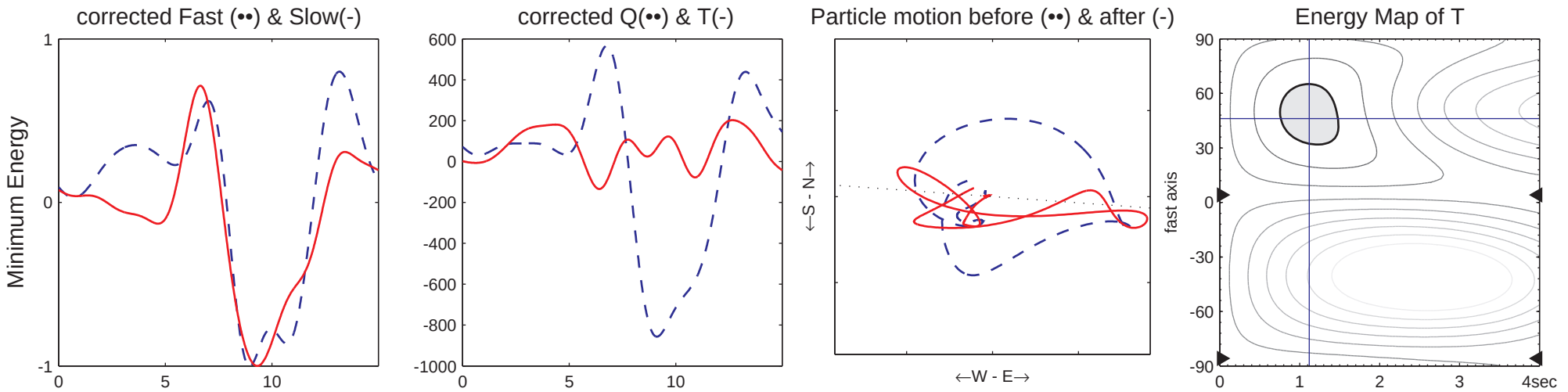
Rotation Correlation:	34<	49° <	66	0.8<1.1s<1.3
Minimum Energy:	31<	46° <	66	0.8<1.1s<1.5
Eigenvalue:	17<	42° <	68	0.8<1.1s<1.6

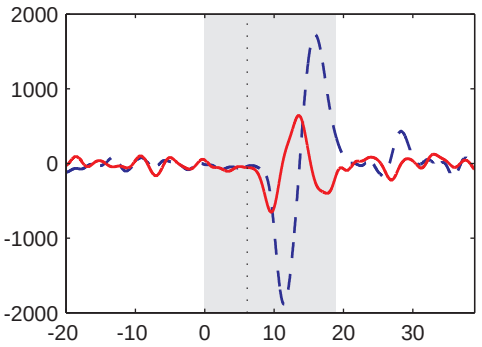
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.1”**



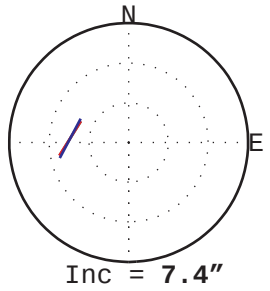


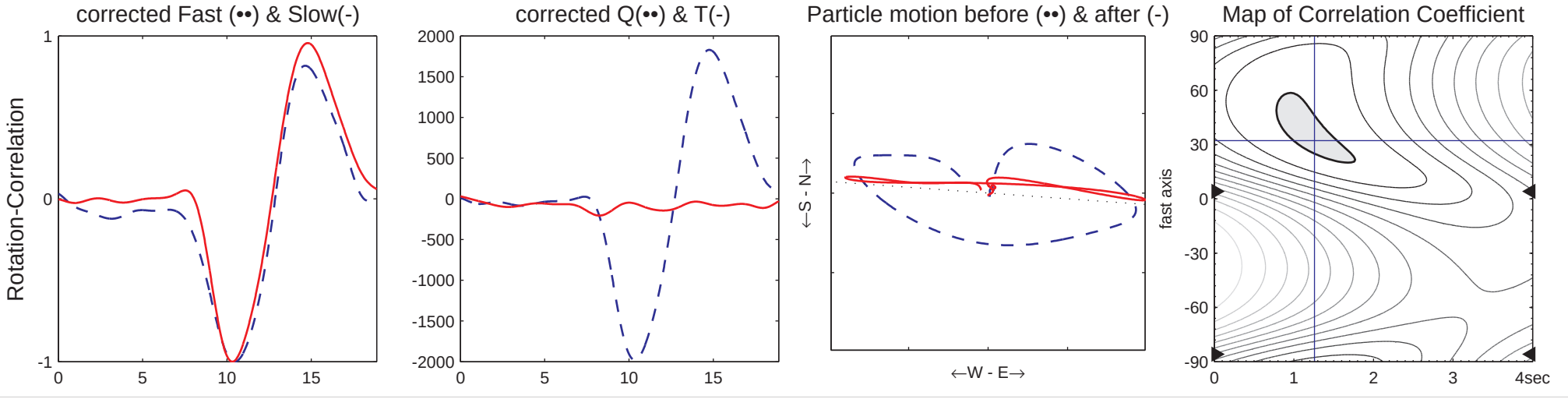


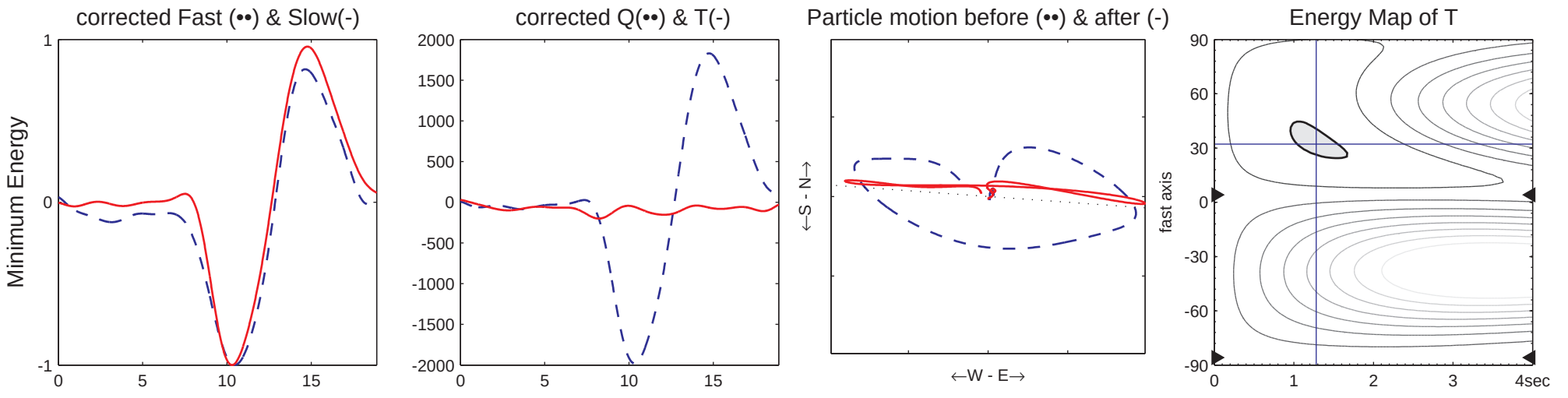
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **LADK** Backazimuth: **274.1”** Distance: **108.06”**
init.Pol.: **92.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**22.5**

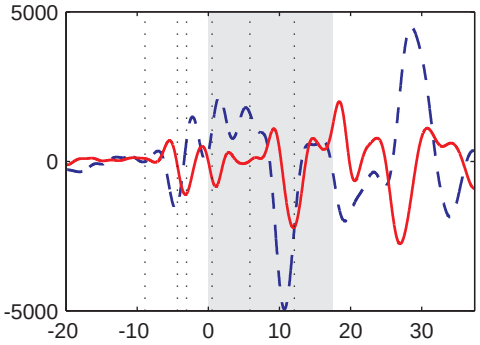
Rotation Correlation:	20<	32° <	59	0.8<1.3s<1.8
Minimum Energy:	25<	32° <	46	1.0<1.3s<1.7
Eigenvalue:	23<	28° <	35	1.2<1.4s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





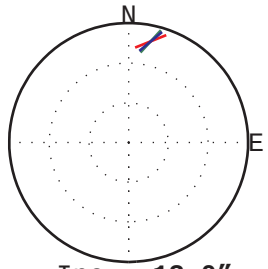




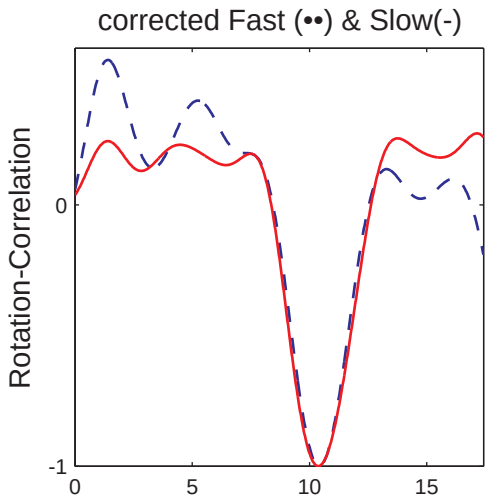
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **LADK** Backazimuth: **12.3”** Distance: **87.59”**
init.Pol.: **182.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

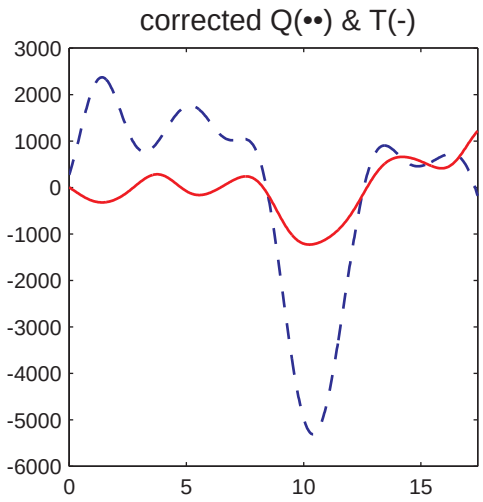
Rotation Correlation:	32<	42° <	56	0.7<0.9s<1.2
Minimum Energy:	50<	68° <	84	0.7<1.0s<1.6
Eigenvalue:	33<	50° <	72	0.7<0.9s<1.2

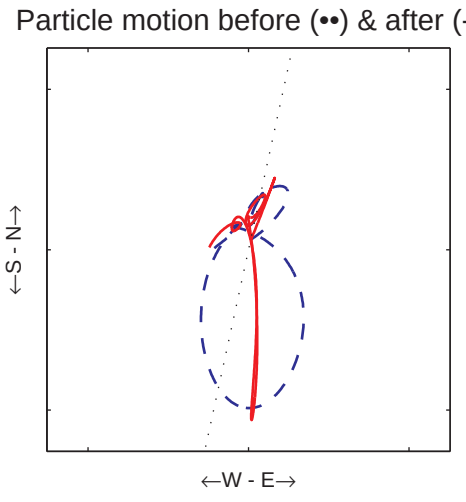
Quality: **fair** IsNull: **No** Phase: **SKKS**

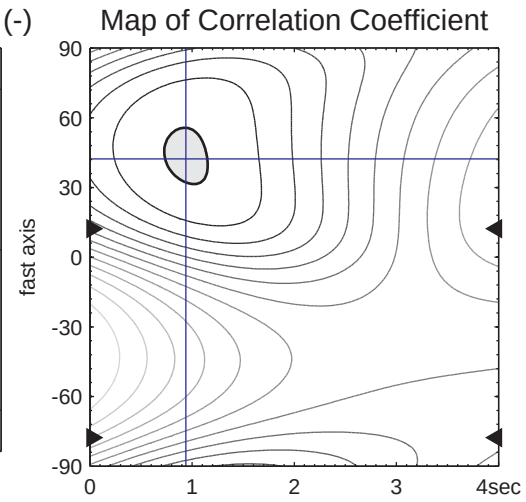


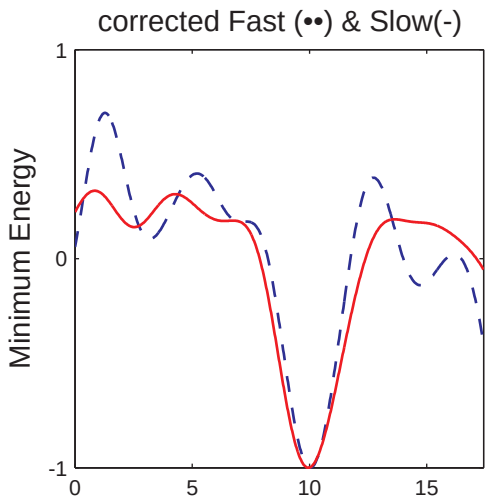
Inc = **13.0”**

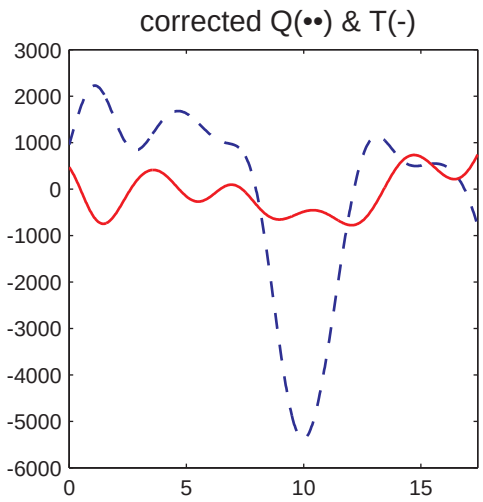


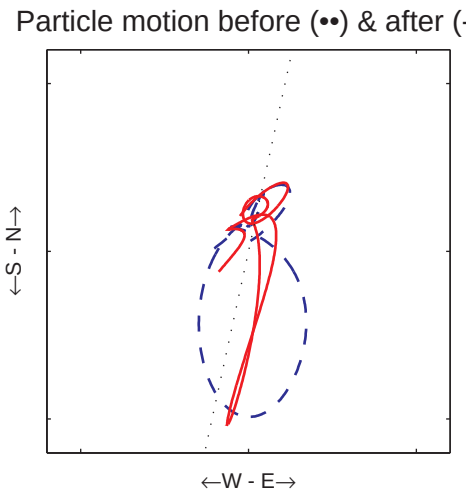


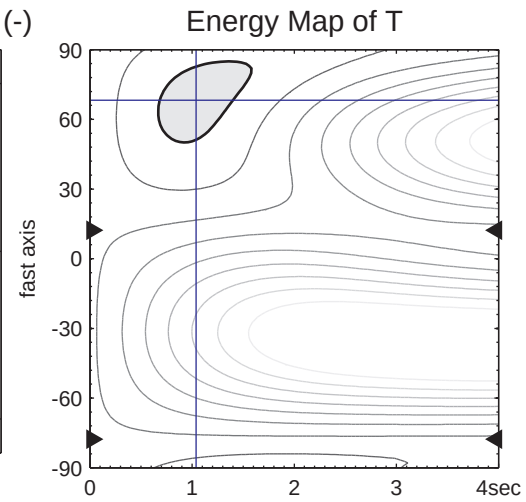


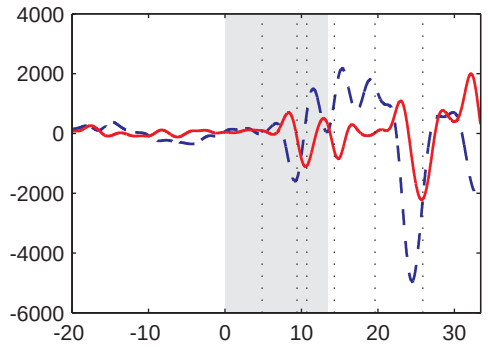








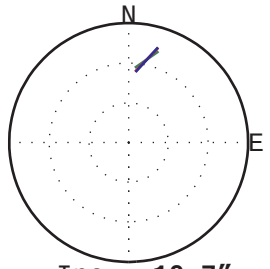




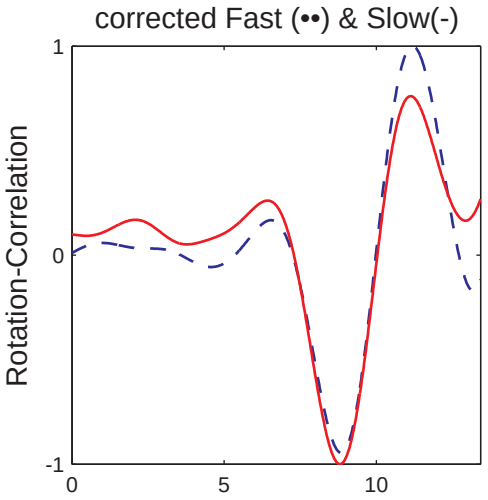
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **LADK** Backazimuth: **12.3”** Distance: **87.59”**
init.Pol.: **190.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.2**

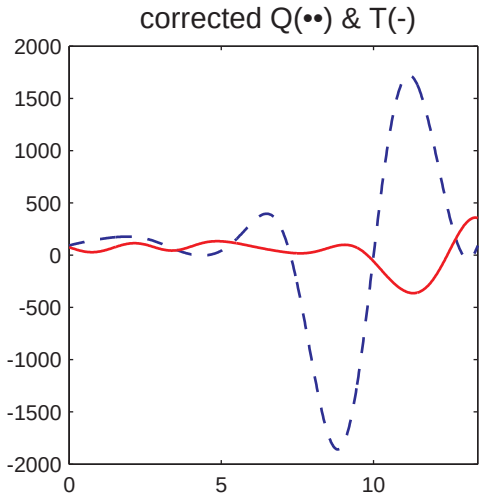
Rotation Correlation:	44<	55° <	71	0.8<0.9s<1.0
Minimum Energy:	39<	44° <	50	0.9<1.0s<1.2
Eigenvalue:	35<	42° <	54	0.9<1.0s<1.2

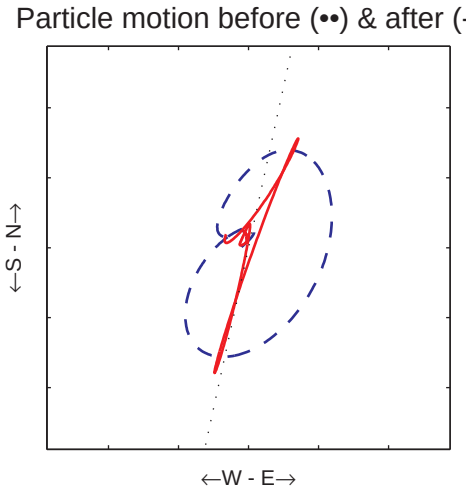
Quality: **fair** IsNull: **No** Phase: **SKS**

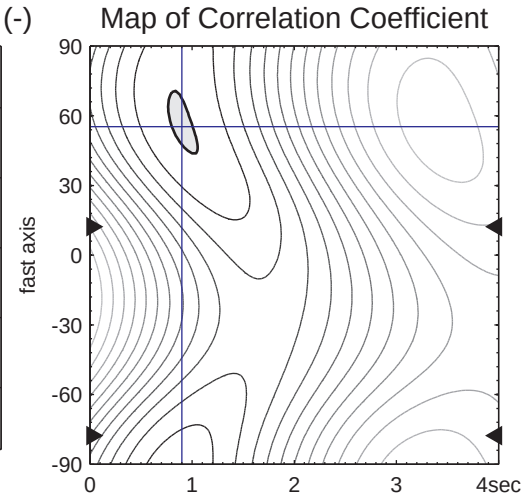


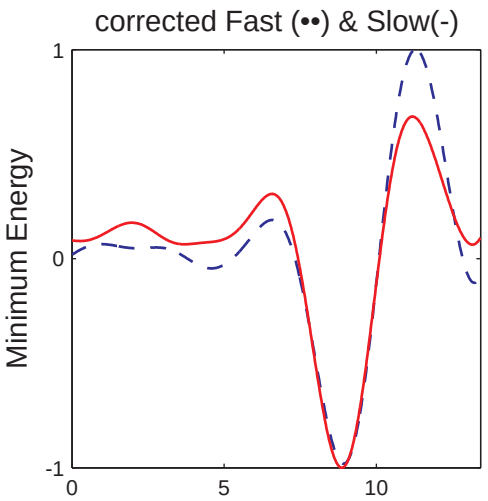
Inc = **10.7”**

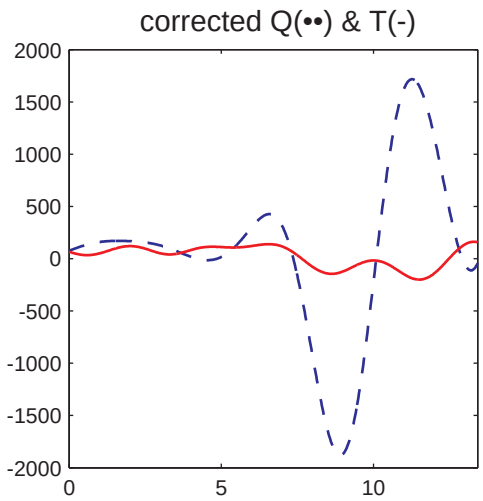


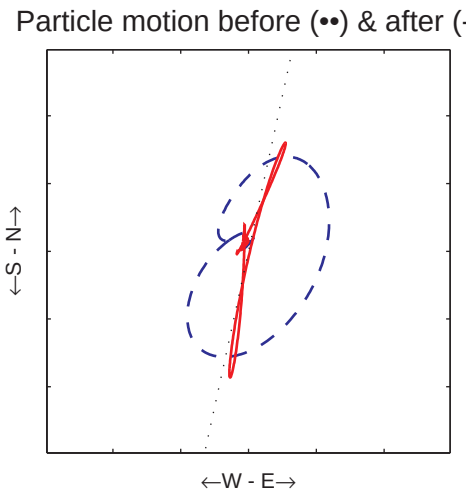


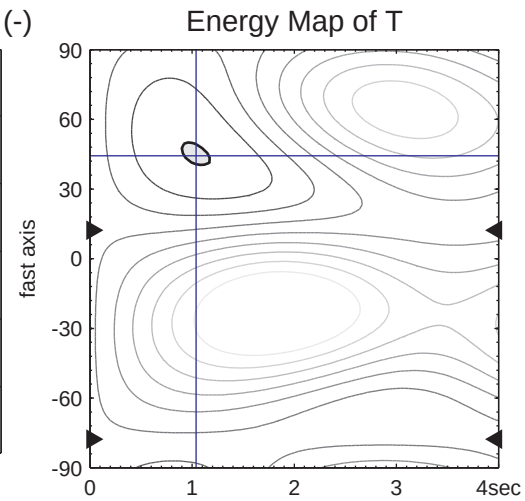


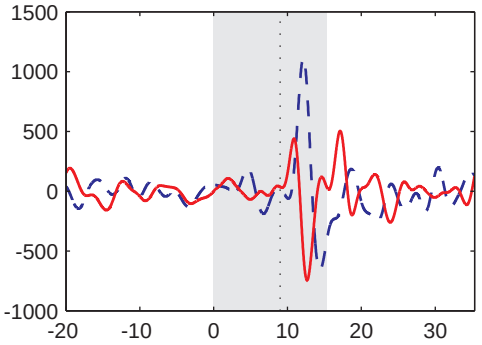








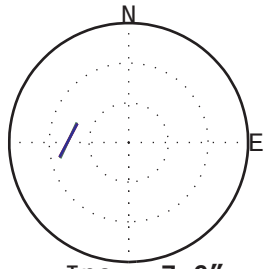




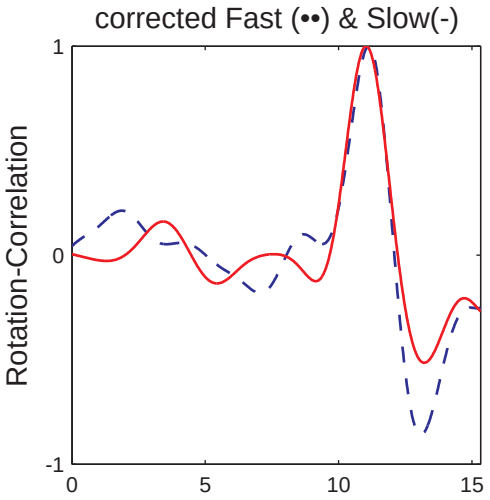
Event: **21-Jul-2007 (202) 13:27 -7.98N -71.13E 633km Mw=6.1**
Station: **LADK** Backazimuth: **272.0”** Distance: **105.51”**
init.Pol.: **93.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.4**

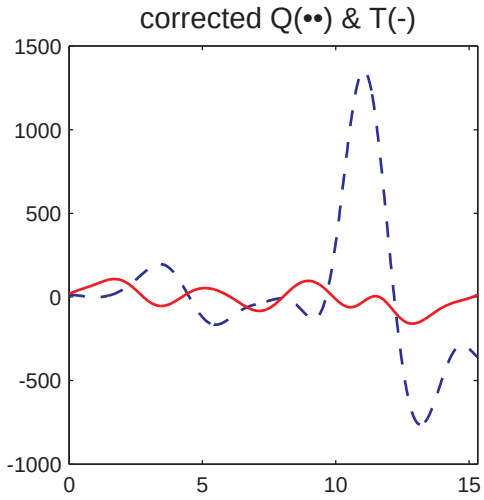
Rotation Correlation:	21<	25° <	31	1.1<1.2s<1.4
Minimum Energy:	25<	28° <	31	1.1<1.2s<1.4
Eigenvalue:	25<	28° <	35	1.0<1.2s<1.3

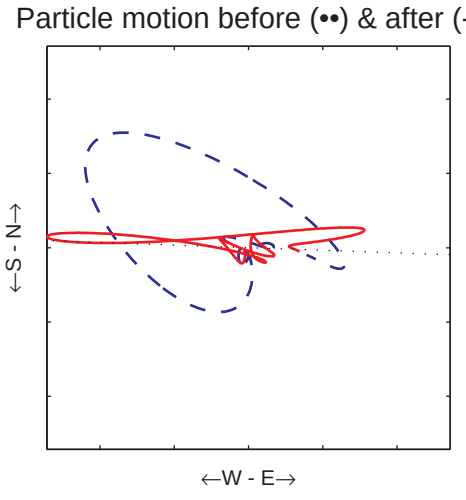
Quality: **good** IsNull: **No** Phase: **SKS**

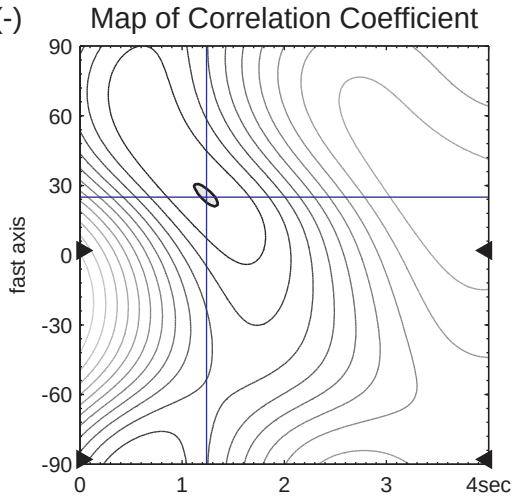


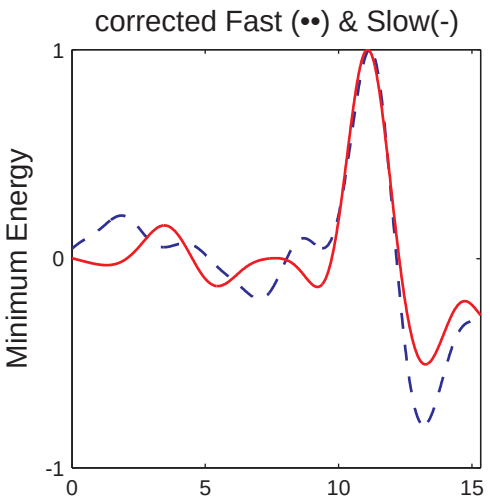
Inc = **7.6”**

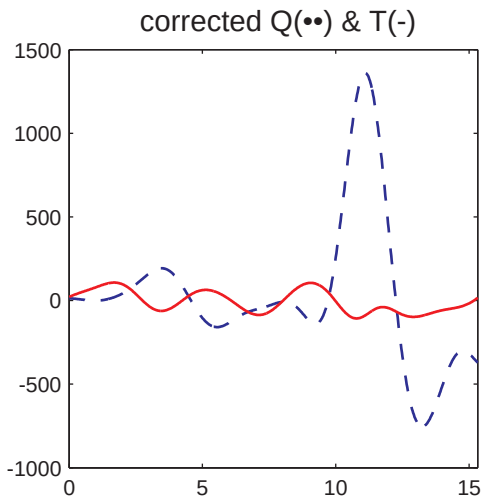


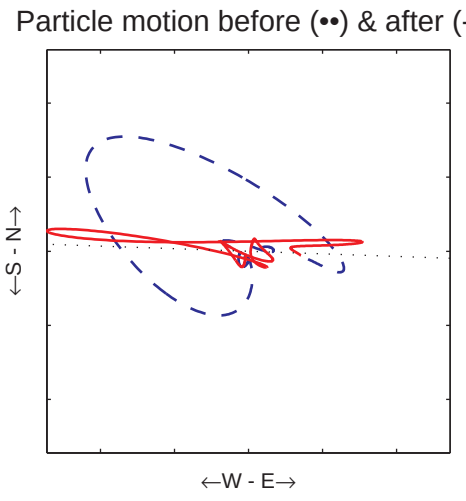


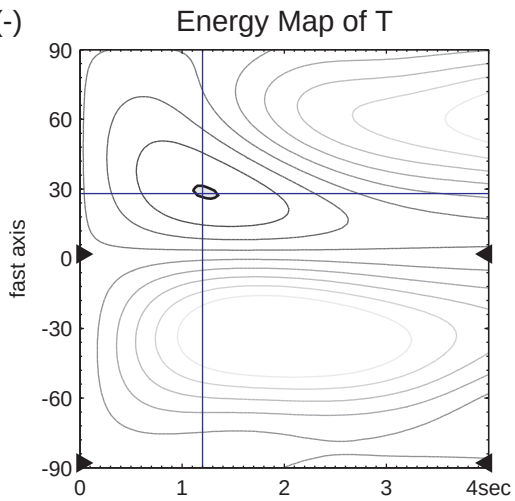


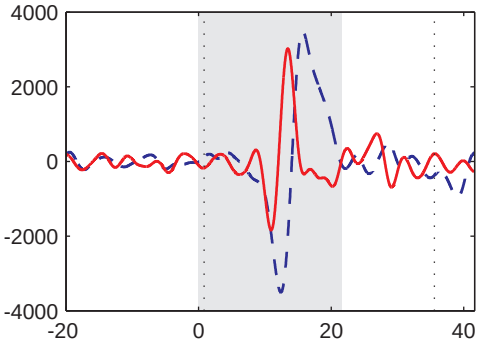








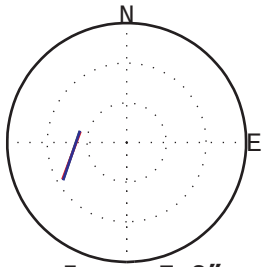


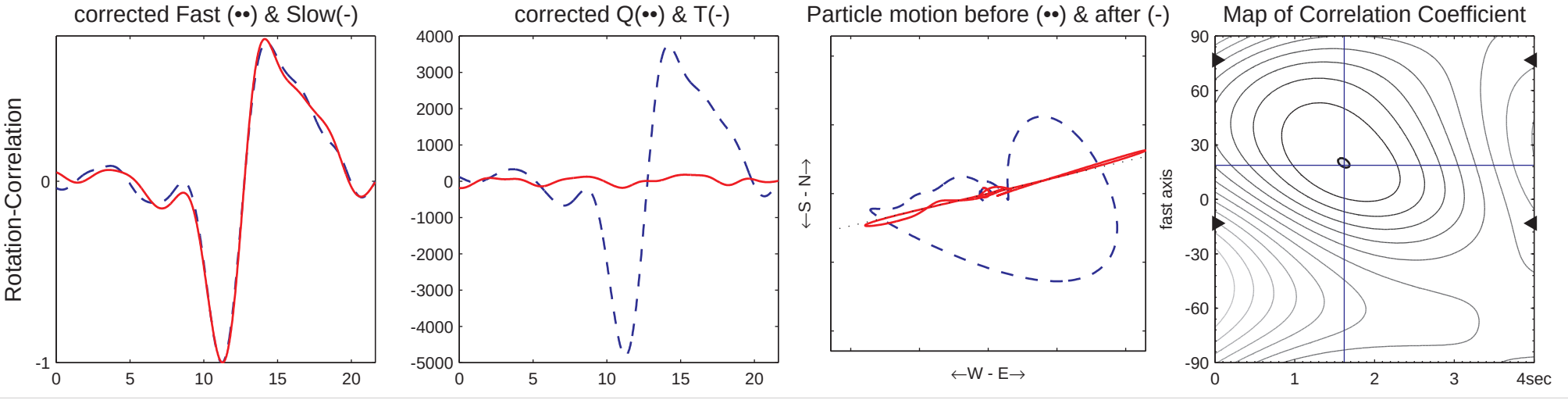


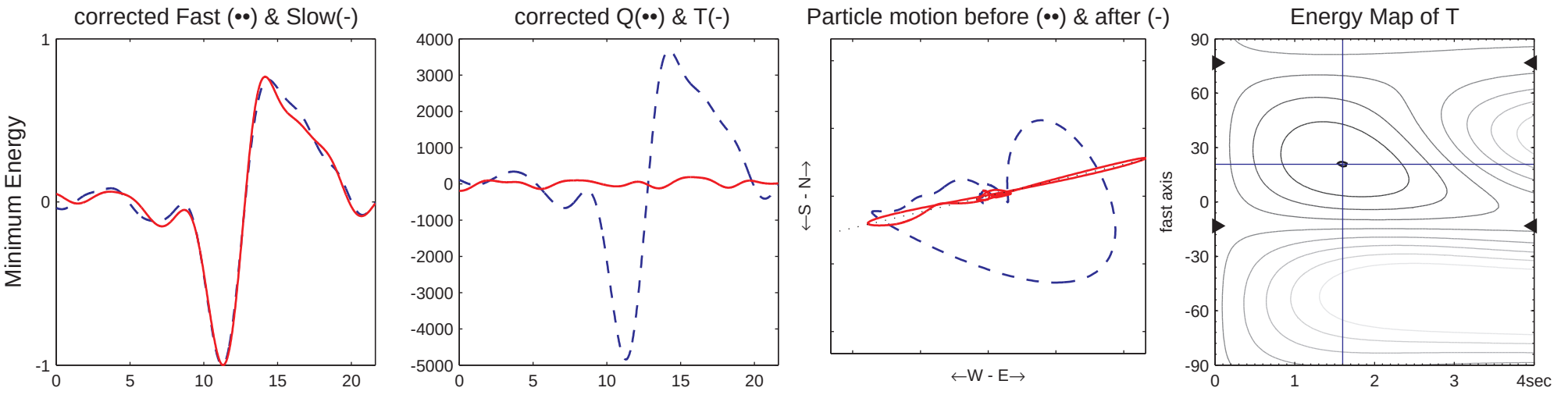
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **LADK** Backazimuth: **256.8”** Distance: **109.72”**
init.Pol.: **75.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**27.7**

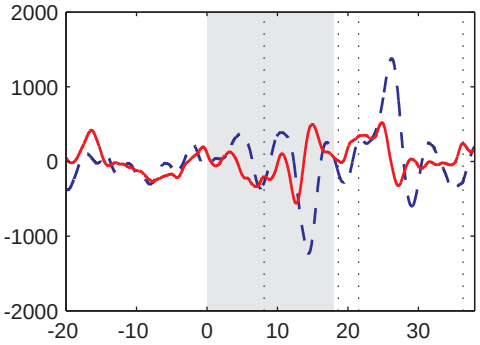
Rotation Correlation:	18<	19° <	23	1.6<1.6s<1.7
Minimum Energy:	19<	21° <	21	1.5<1.6s<1.6
Eigenvalue:	17<	19° <	21	1.6<1.6s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





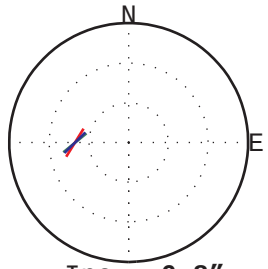




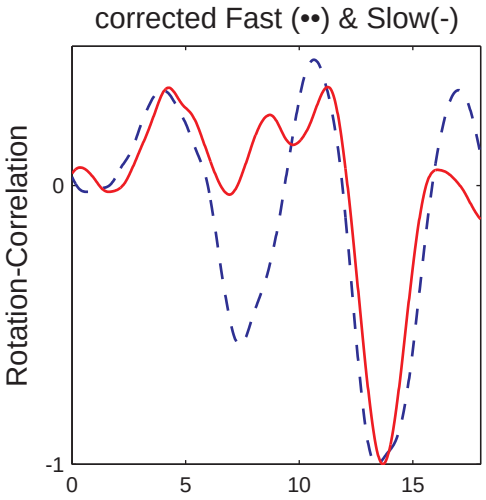
Event: **16-Aug-2007 (228) 05:16 -14.28N -76.13E 23km Mw=6.3**
Station: **LADK** Backazimuth: **269.8”** Distance: **113.21”**
init.Pol.: **97.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

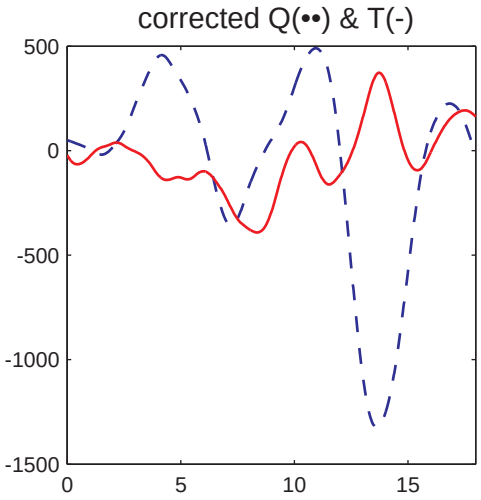
Rotation Correlation:	39<	51° <	65	0.7<0.9s<1.2
Minimum Energy:	15<	32° <	54	0.6<1.0s<1.6
Eigenvalue:	15<	46° <	-74	0.6<0.9s<2.4

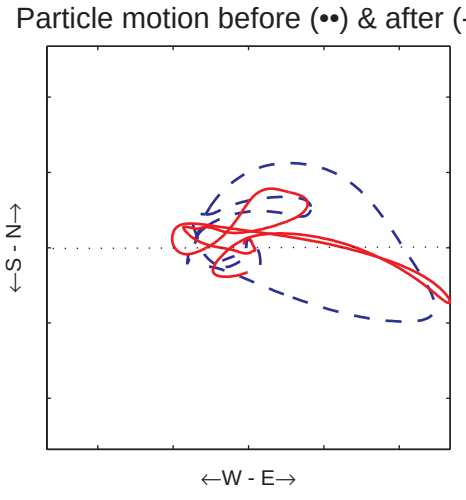
Quality: **fair** IsNull: **No** Phase: **SKS**

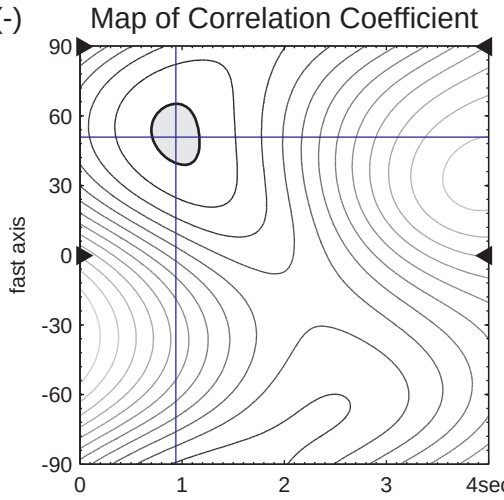


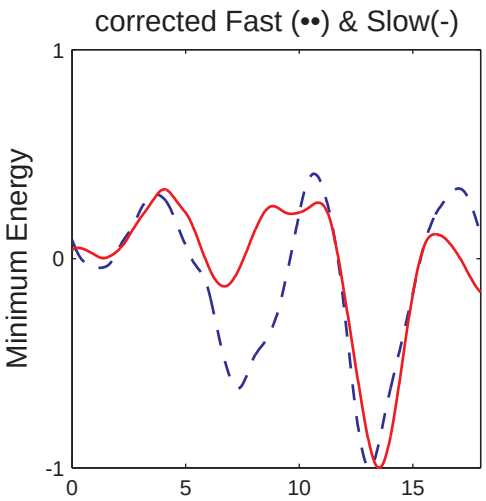
Inc = **6.8”**

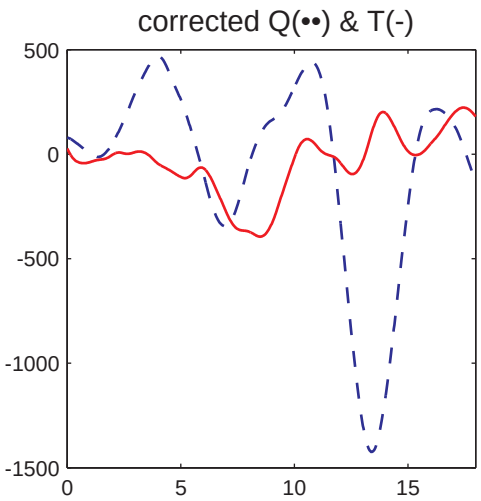


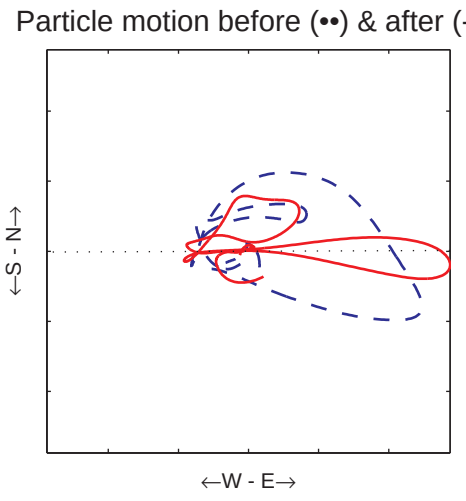


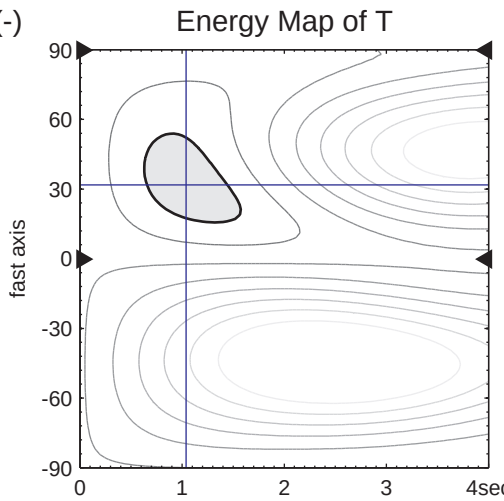


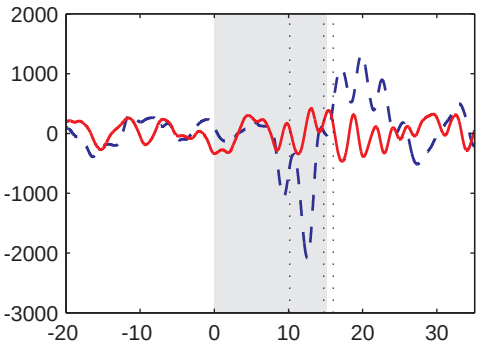








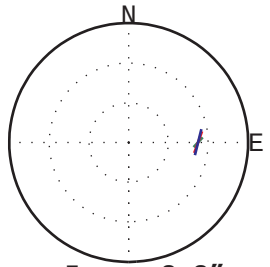


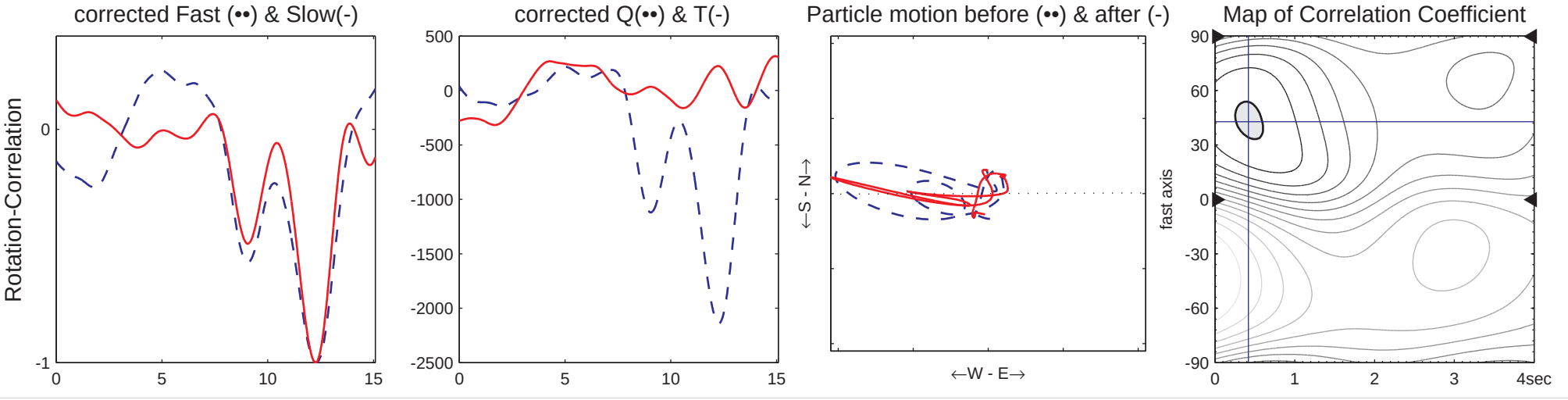


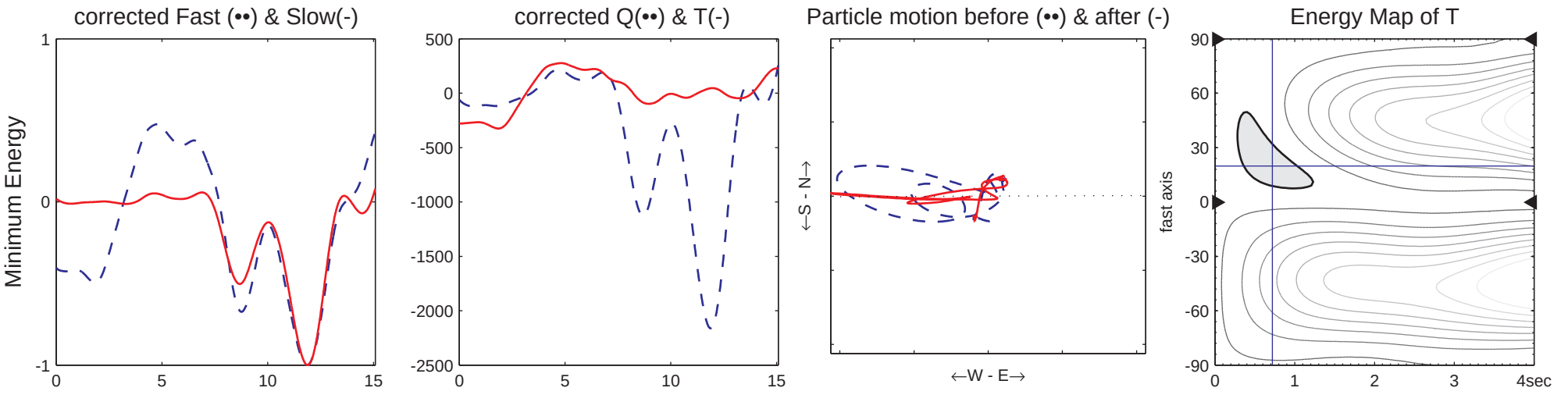
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **LADK** Backazimuth: **89.8”** Distance: **98.80”**
init.Pol.: **264.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.3**

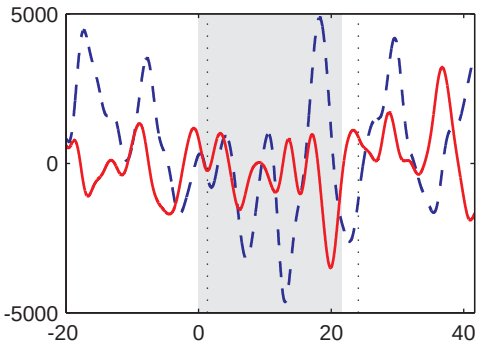
Rotation Correlation:	33<	43° <	54	0.2<0.4s<0.6
Minimum Energy:	7<	20° <	50	0.3<0.7s<1.2
Eigenvalue:	1<	14° <	41	0.4<0.8s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





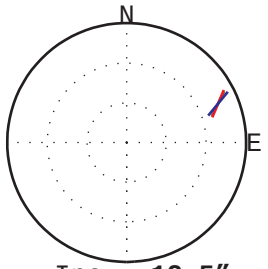




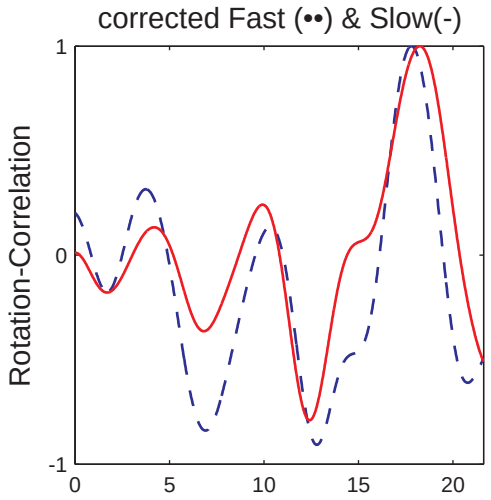
Event: **30-Sep-2007 (273) 02:08 10.46N 145.68E 14km Mw=7.1**
Station: **LADK** Backazimuth: **67.0”** Distance: **101.16”**
init.Pol.: **255.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.0**

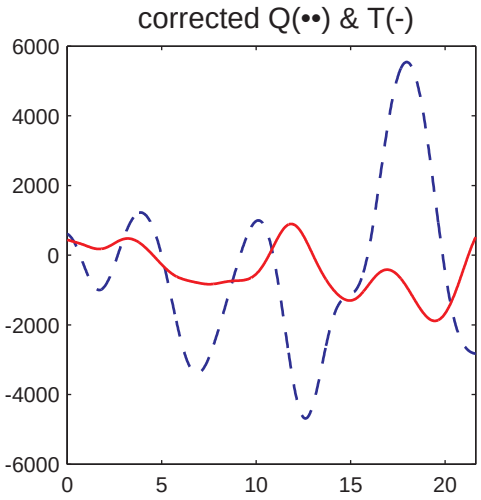
Rotation Correlation:	17<	27° <	39	0.6<0.9s<1.1
Minimum Energy:	-1<	23° <	46	0.5<0.9s<1.3
Eigenvalue:	9<	39° <	62	0.6<1.0s<1.4

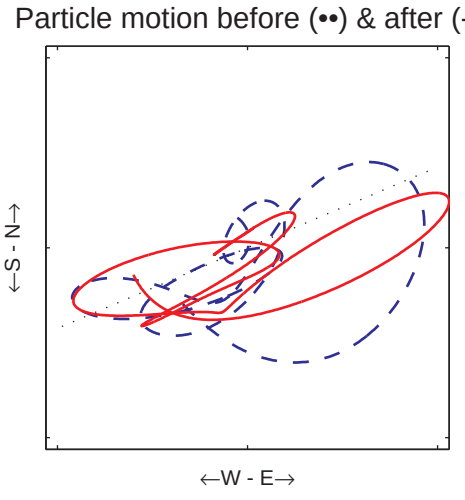
Quality: **good** IsNull: **No** Phase: **SKKS**

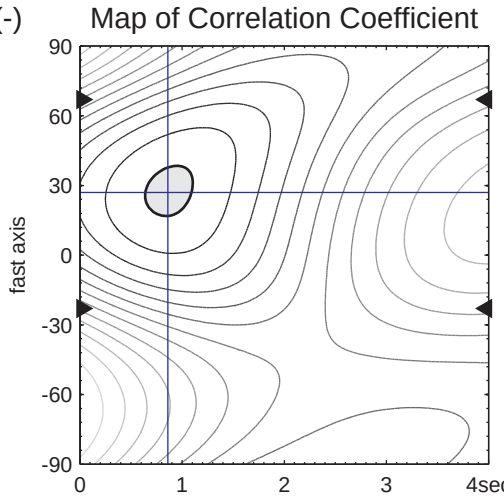


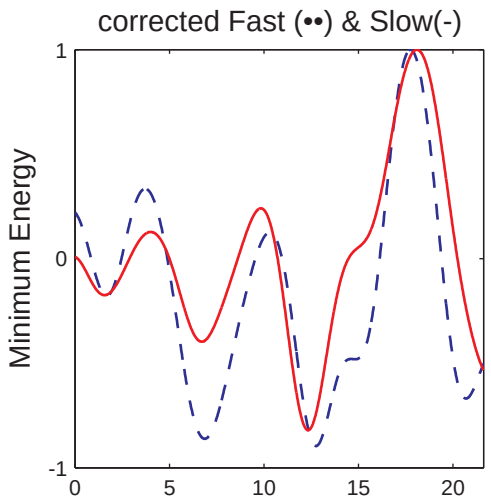
Inc = **12.5”**

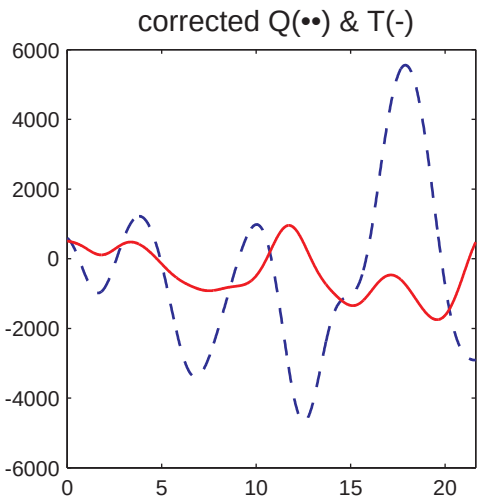


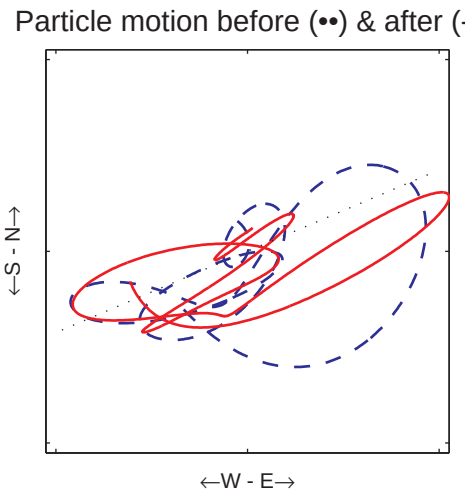


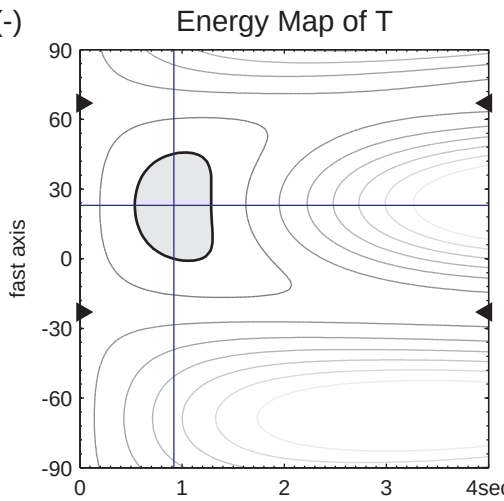


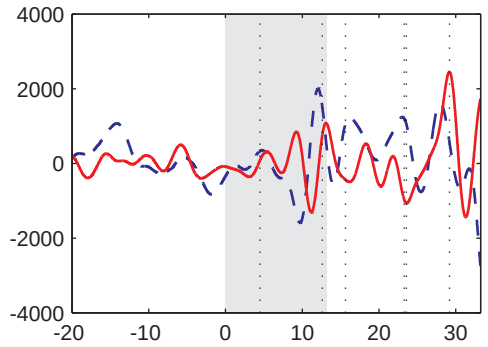








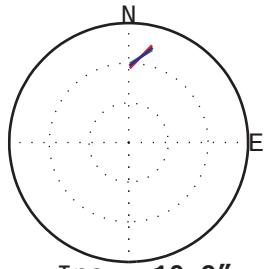




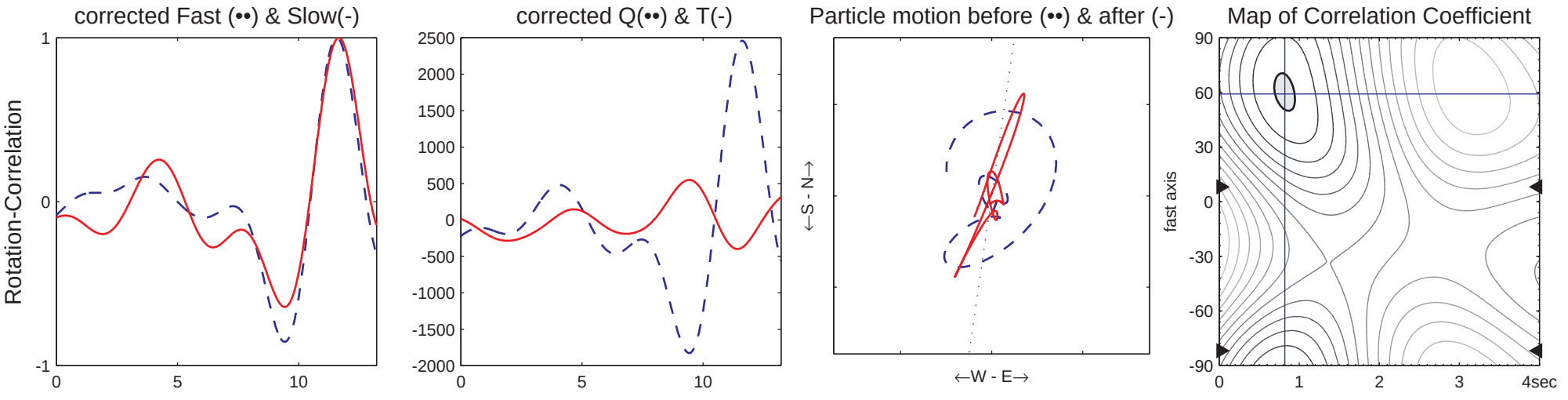
Event: **02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3**
Station: **LADK** Backazimuth: **8.2”** Distance: **86.43”**
init.Pol.: **194.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

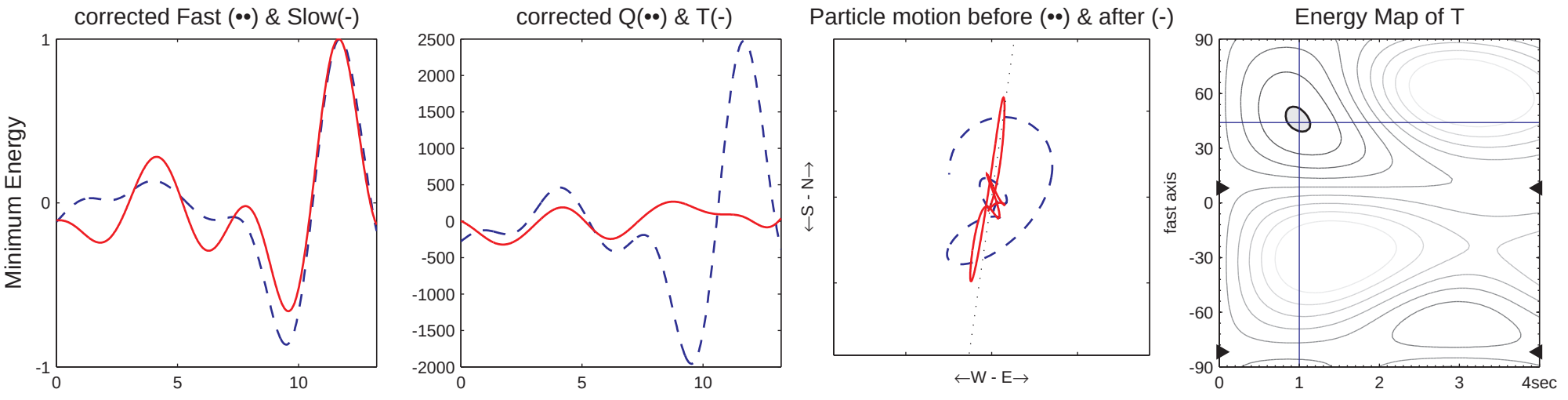
Rotation Correlation:	50<	59° <	71	0.7<0.8s<1.0
Minimum Energy:	39<	44° <	54	0.8<1.0s<1.1
Eigenvalue:	39<	52° <	68	0.8<0.9s<1.1

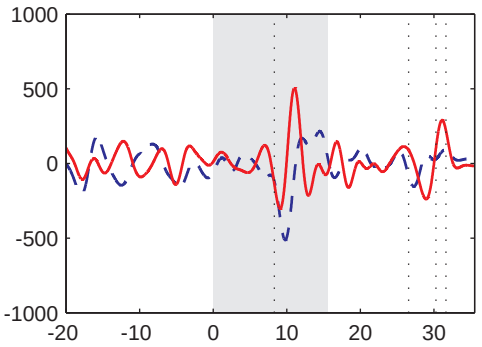
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.9”**



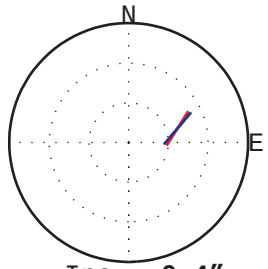




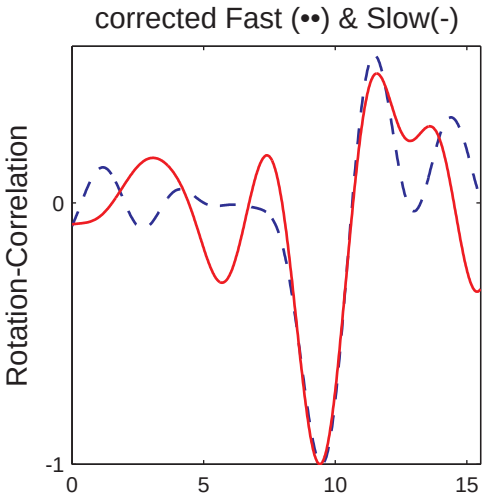
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **LADK** Backazimuth: **73.9”** Distance: **116.68”**
init.Pol.: **263.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

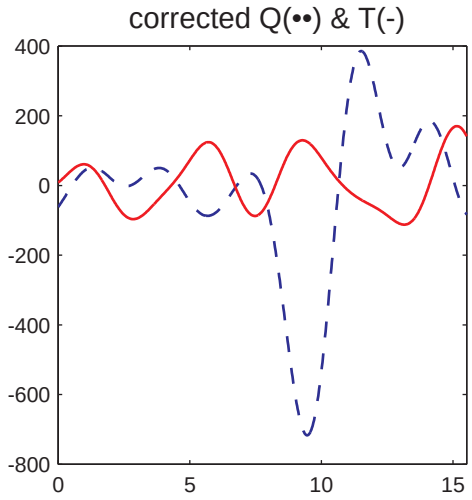
Rotation Correlation:	34<	41° <	50	1.2<1.3s<1.5
Minimum Energy:	23<	32° <	39	1.0<1.3s<1.6
Eigenvalue:	25<	40° <	54	1.0<1.3s<1.5

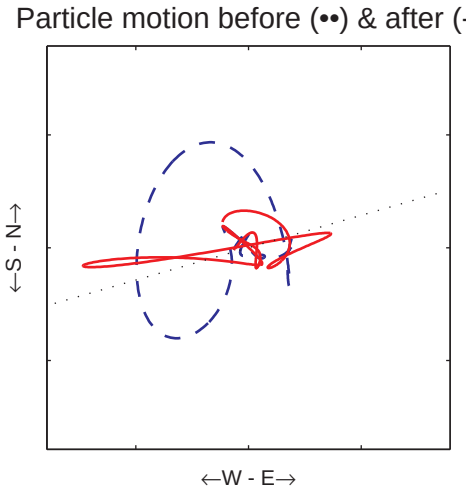
Quality: **fair** IsNull: **No** Phase: **SKS**

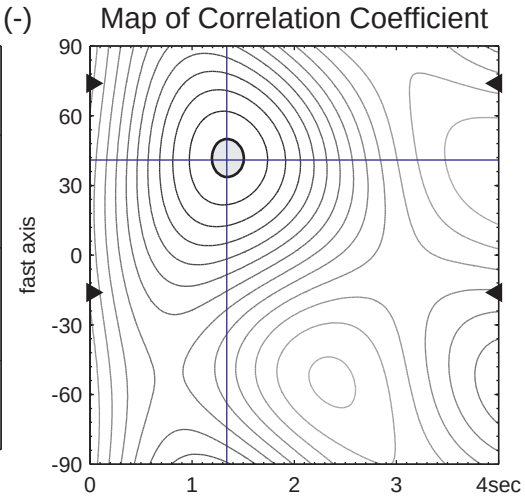


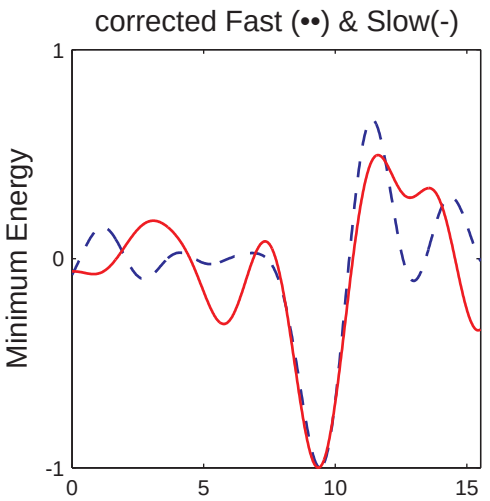
Inc = **6.4”**

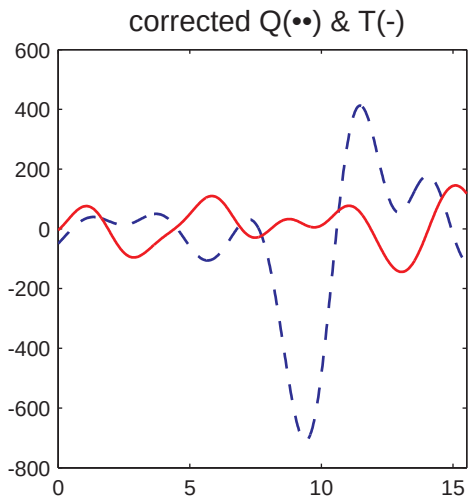


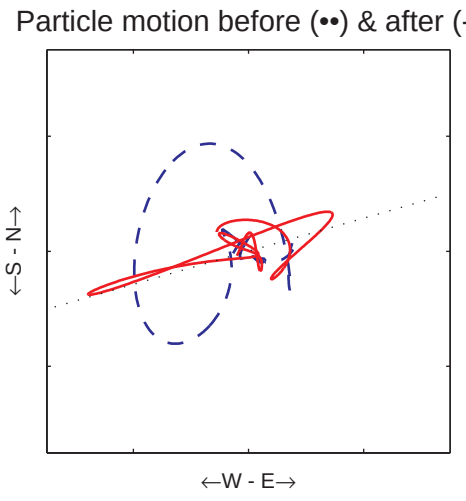


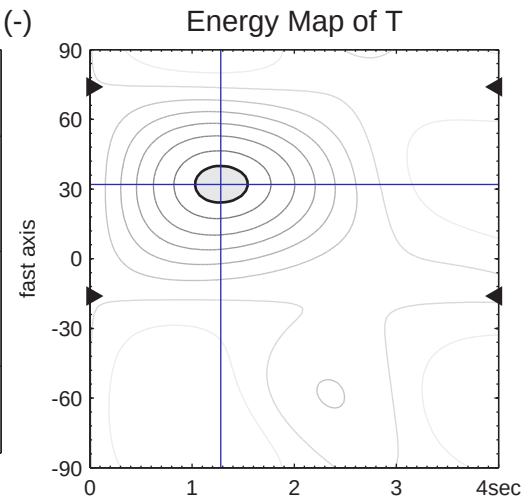


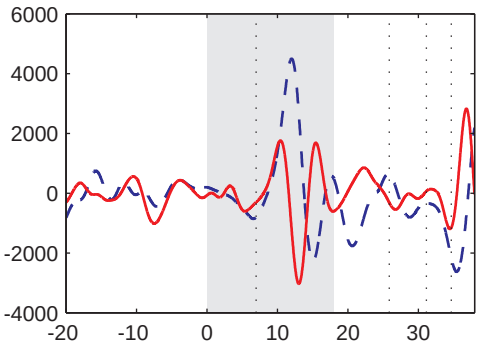








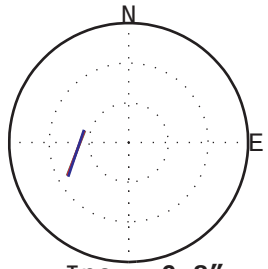




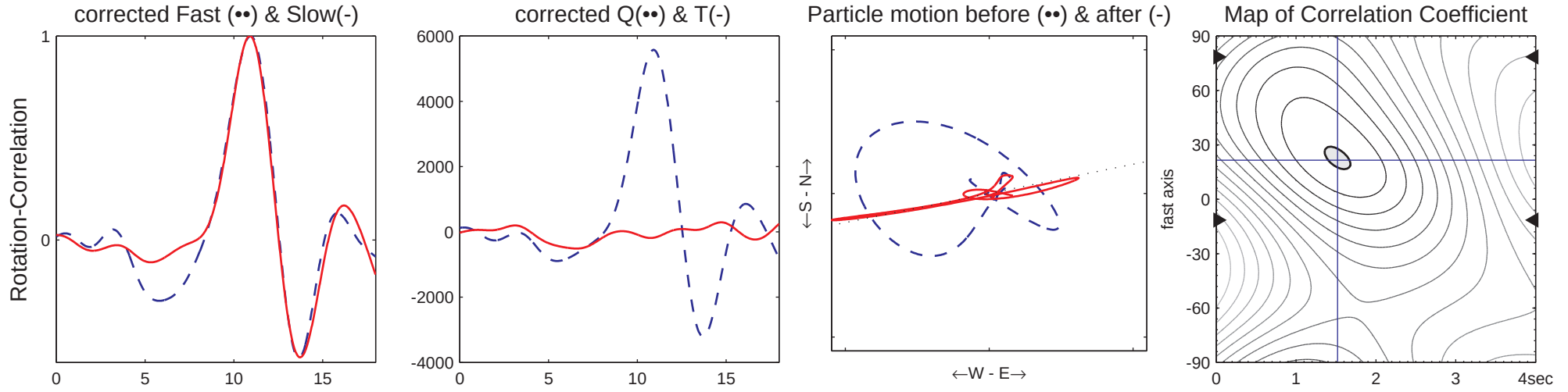
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **LADK** Backazimuth: **258.5”** Distance: **113.48”**
init.Pol.: **76.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.5**

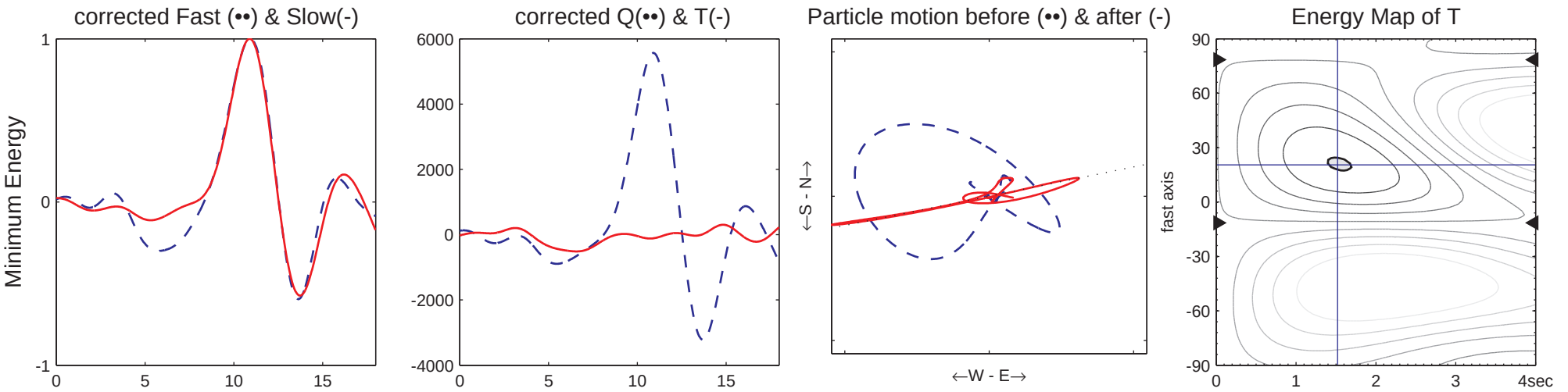
Rotation Correlation:	17<	22° <	29	1.4<1.5s<1.7
Minimum Energy:	17<	21° <	25	1.4<1.5s<1.7
Eigenvalue:	15<	19° <	25	1.4<1.6s<1.7

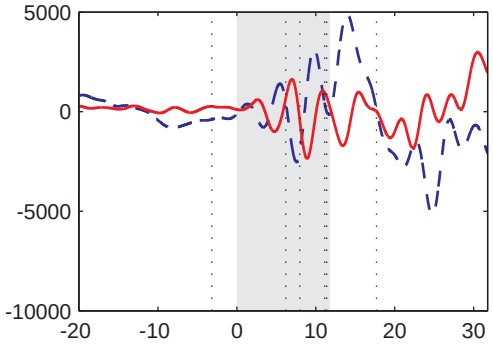
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



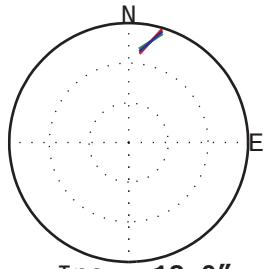




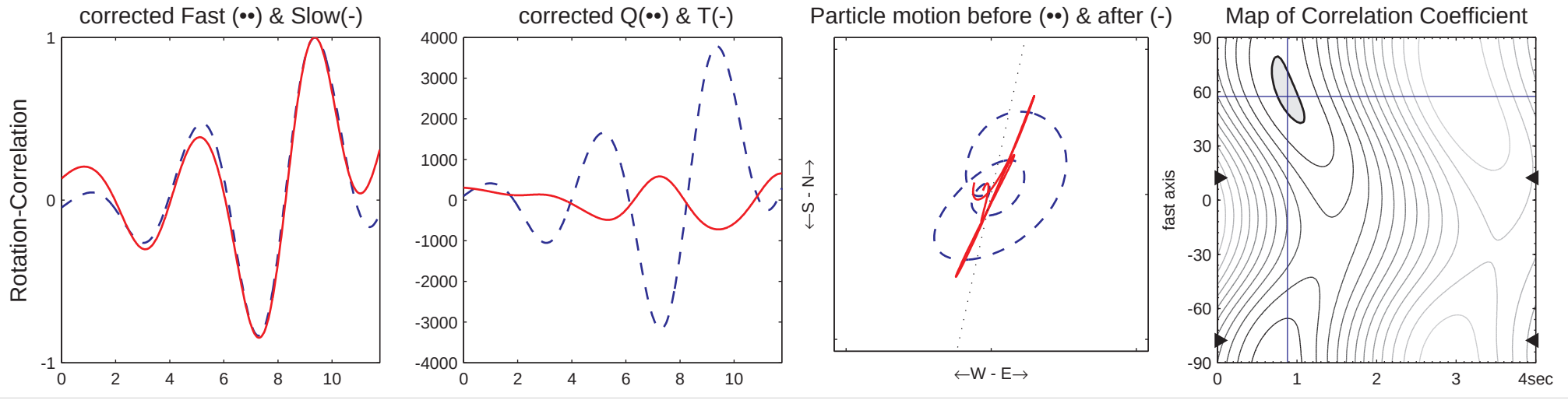
Event: **26-Dec-2007 (360) 22:04 52.56N -168.22E 25km Mw=6.4**
Station: **LADK** Backazimuth: **12.4”** Distance: **87.49”**
init.Pol.: **197.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.0**

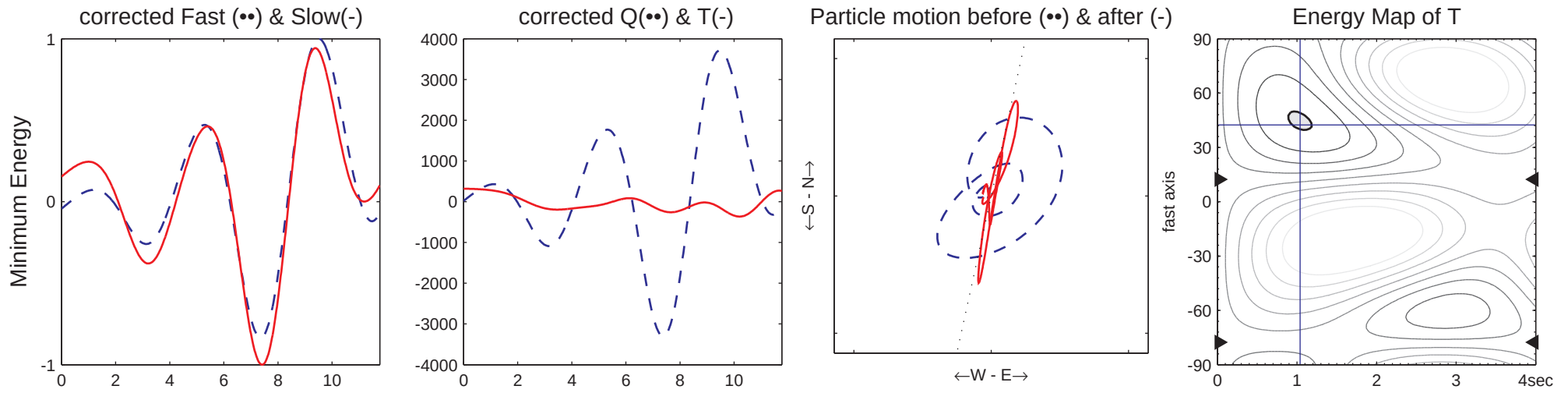
Rotation Correlation:	43<	57° <	80	0.7<0.9s<1.1
Minimum Energy:	39<	42° <	50	0.9<1.0s<1.2
Eigenvalue:	37<	48° <	70	0.7<1.0s<1.2

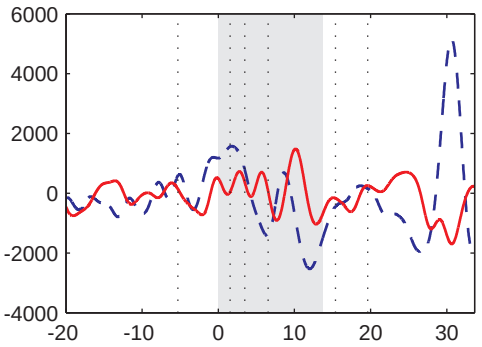
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



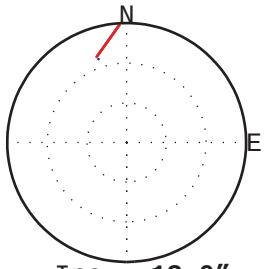




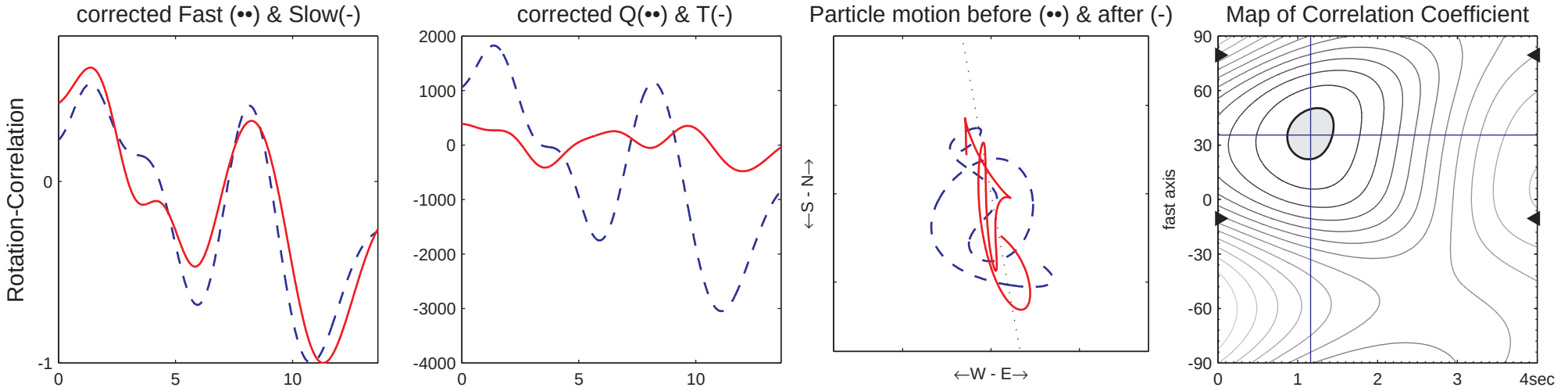
Event: **05-Jan-2008 (005) 11:01 51.25N -130.75E 15km Mw=6.6**
Station: **LADK** Backazimuth: **349.5”** Distance: **89.33”**
init.Pol.: **162.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

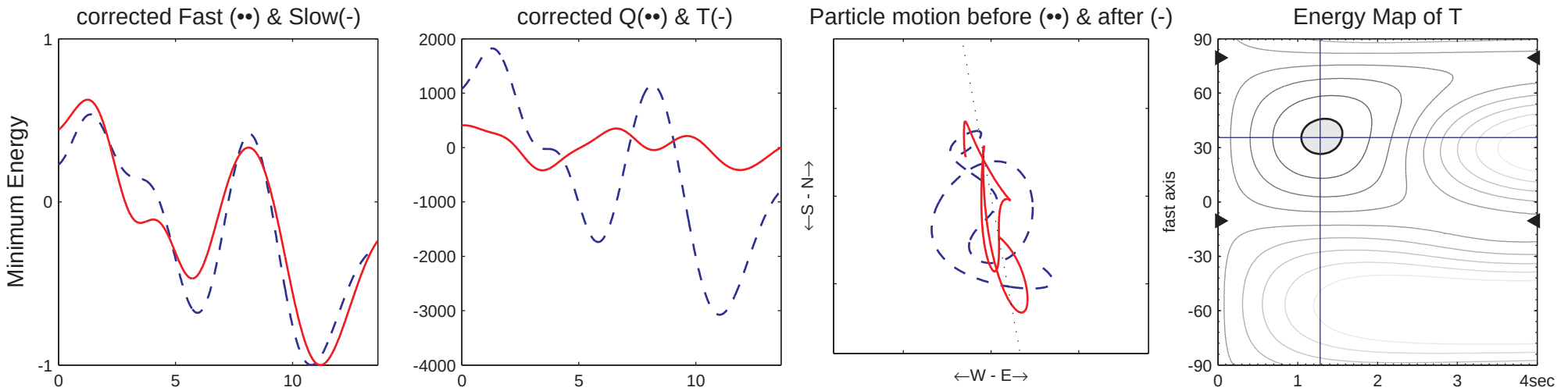
Rotation Correlation:	23<	36° <	51	0.9<1.2s<1.4
Minimum Energy:	27<	36° <	46	1.0<1.3s<1.6
Eigenvalue:	17<	28° <	39	1.0<1.3s<1.5

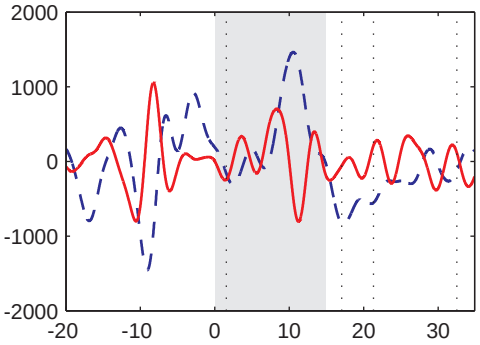
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



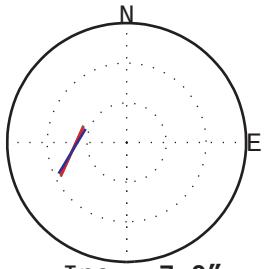




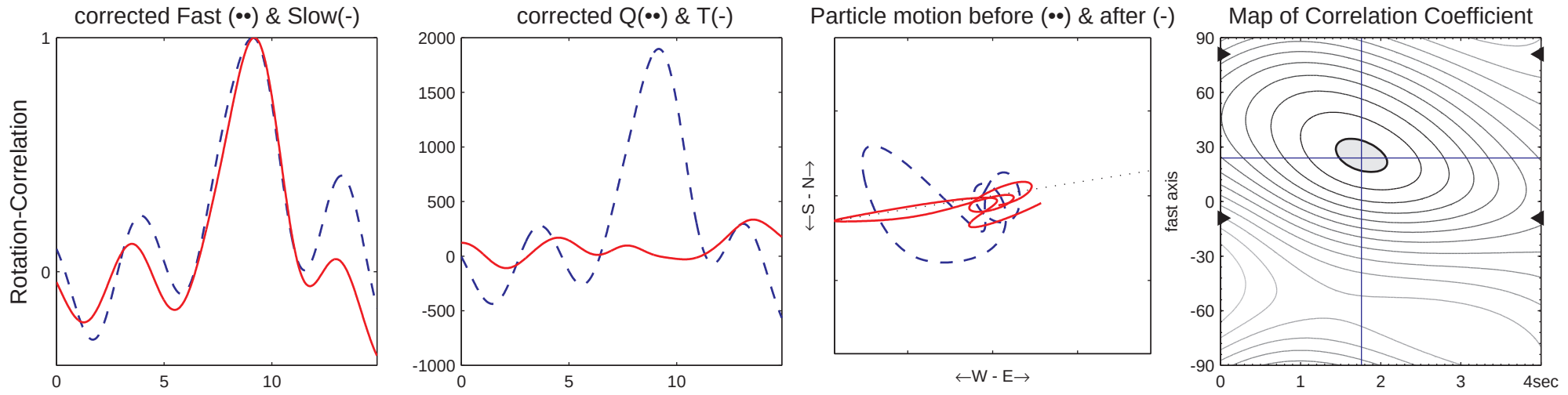
Event: **04-Feb-2008 (035) 17:01 -20.17N -70.04E 35km Mw=6.3**
Station: **LADK** Backazimuth: **260.9”** Distance: **111.82”**
init.Pol.: **87.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.6**

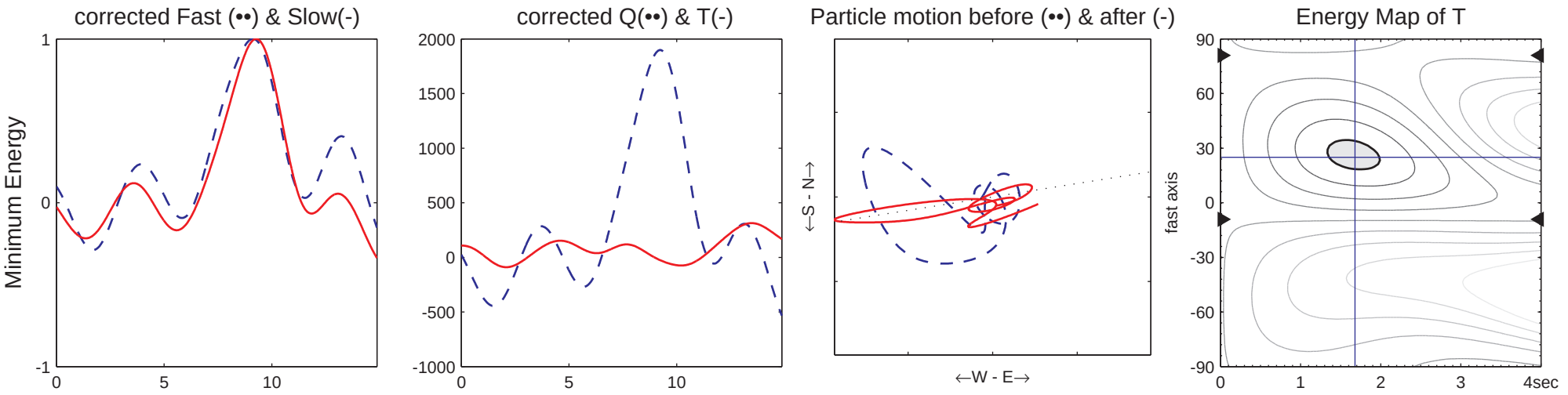
Rotation Correlation:	17<	24° <	35	1.4<1.8s<2.1
Minimum Energy:	19<	25° <	35	1.3<1.7s<2.0
Eigenvalue:	23<	31° <	39	1.4<1.6s<1.9

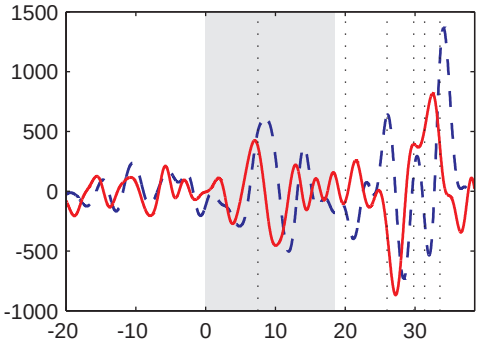
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



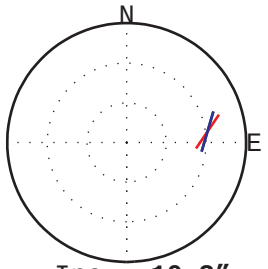




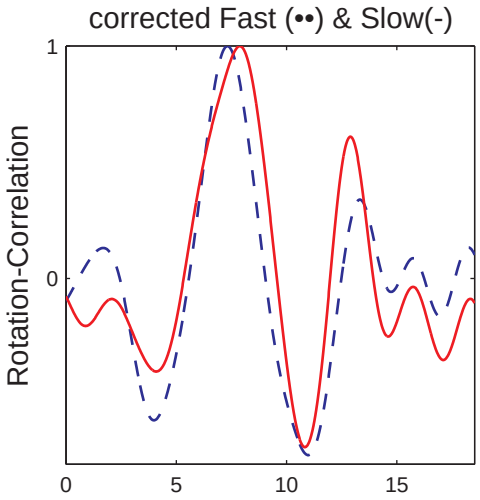
Event: **20-Mar-2008 (080) 14:10 6.19N 126.93E 45km Mw=6.1**
Station: **LADK** Backazimuth: **82.3”** Distance: **89.74”**
init.Pol.: **246.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

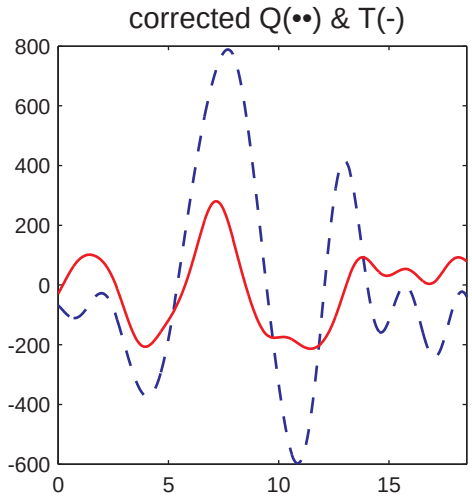
Rotation Correlation:	-3<	16° <	38	1.0<1.3s<1.6
Minimum Energy:	19<	34° <	52	0.9<1.3s<1.7
Eigenvalue:	-7<	16° <	43	1.0<1.3s<1.7

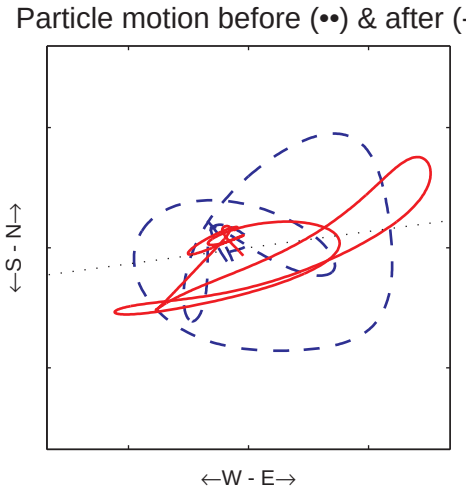
Quality: **fair** IsNull: **No** Phase: **SKS**

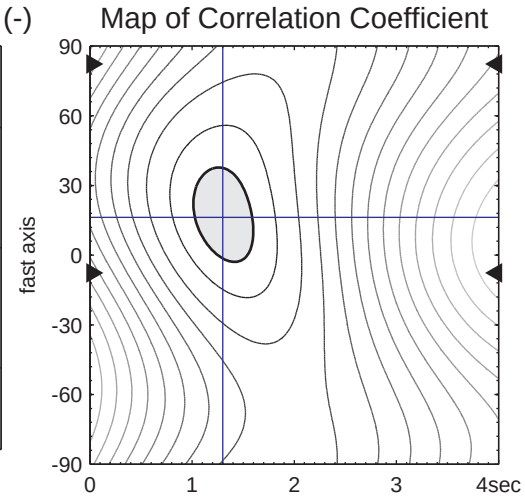


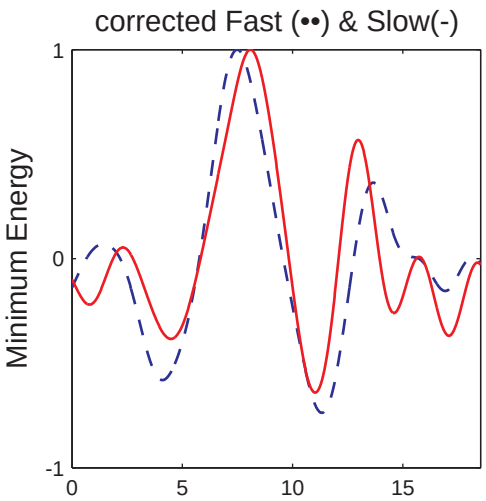
Inc = **10.3”**

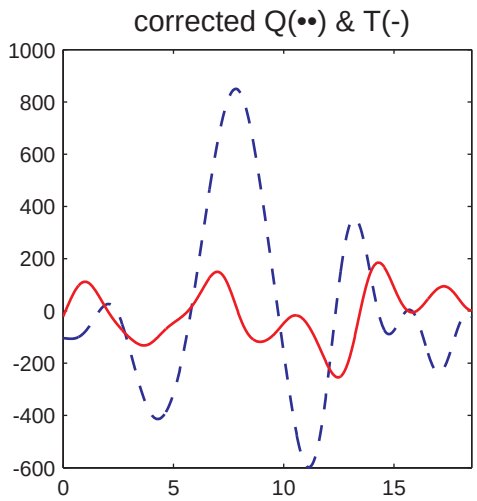


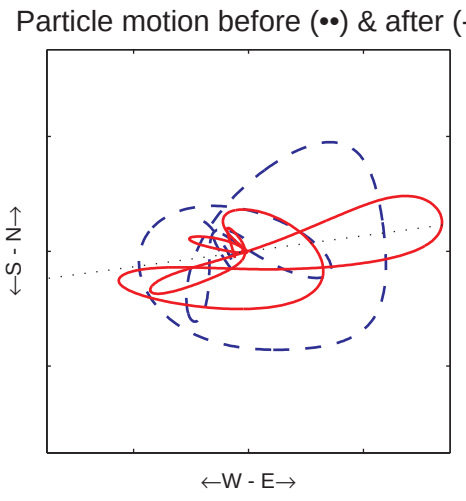


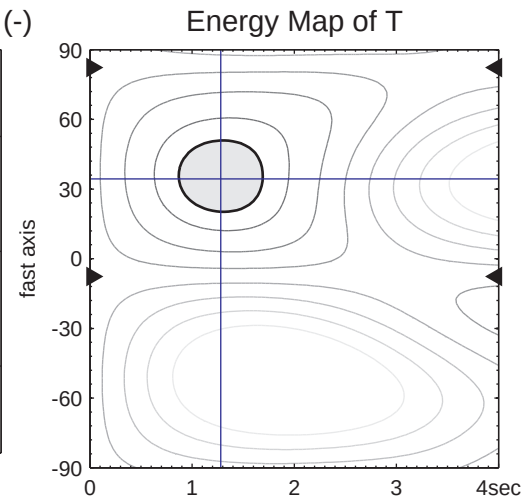


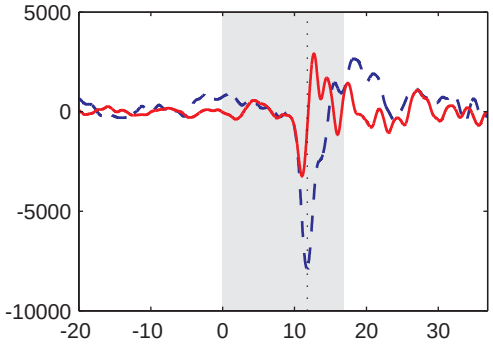








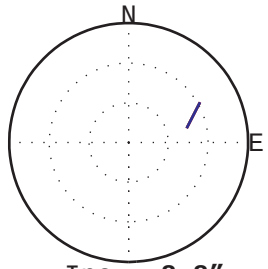




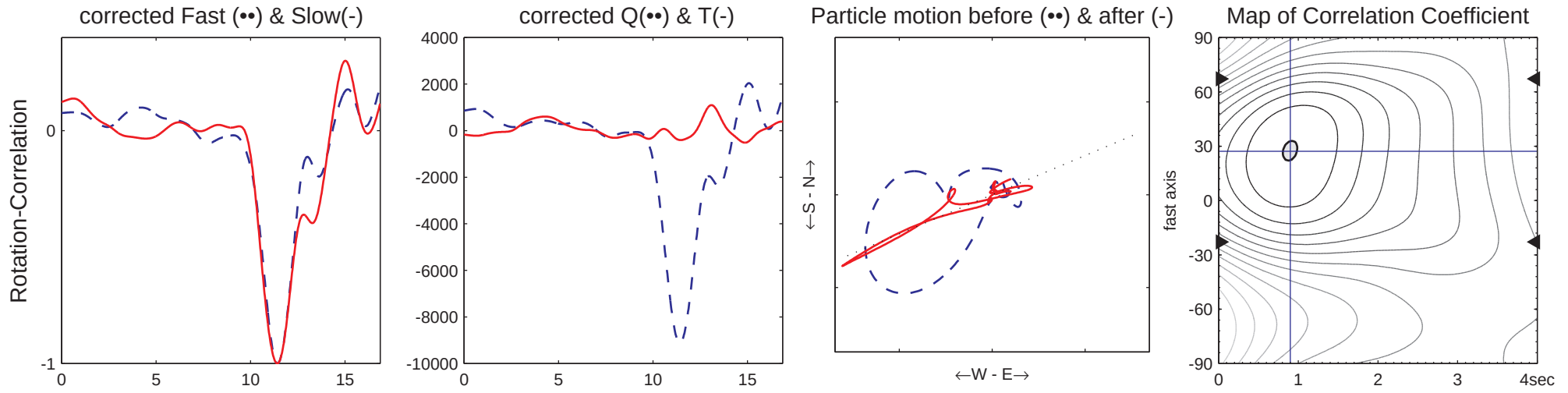
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **LADK** Backazimuth: **67.1”** Distance: **97.97”**
init.Pol.: **246.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.0**

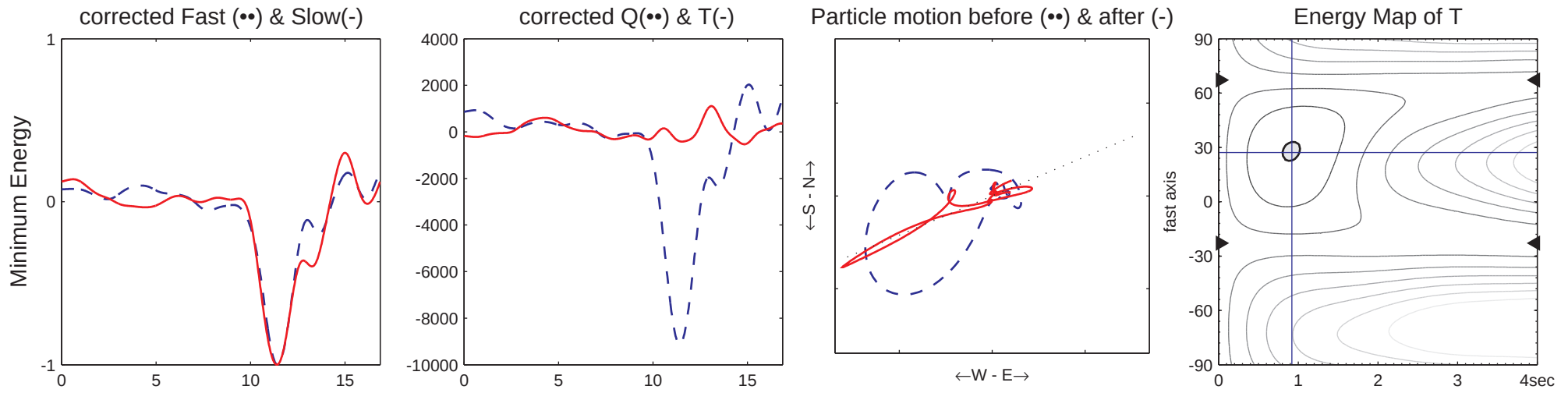
Rotation Correlation:	22<	27° <	33	0.8<0.9s<1.0
Minimum Energy:	23<	27° <	33	0.8<0.9s<1.0
Eigenvalue:	21<	27° <	33	0.8<0.9s<1.0

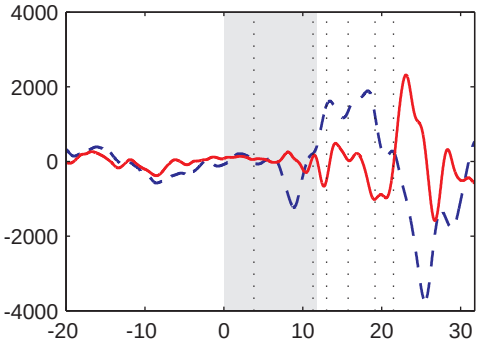
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **8.8”**



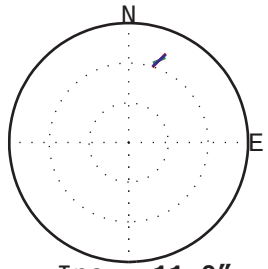




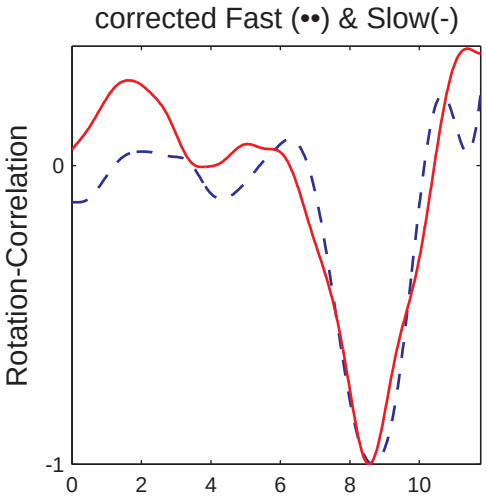
Event: **20-May-2008 (141) 13:53 51.16N 178.76E 27km Mw=6.3**
Station: **LADK** Backazimuth: **20.4”** Distance: **85.92”**
init.Pol.: **199.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.9**

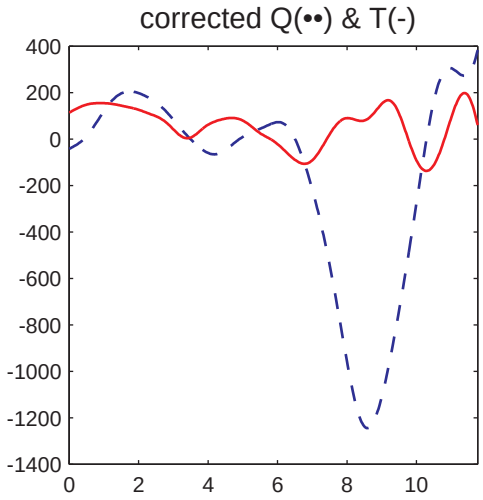
Rotation Correlation:	54<	67° <	83	0.2<0.4s<0.6
Minimum Energy:	33<	44° <	74	0.2<0.6s<1.0
Eigenvalue:	37<	48° <	72	0.3<0.6s<0.8

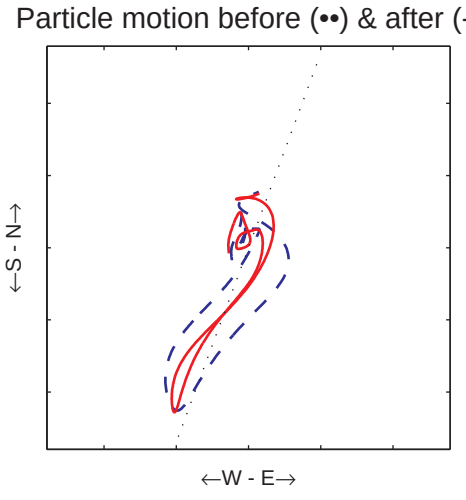
Quality: **fair** IsNull: **No** Phase: **SKS**

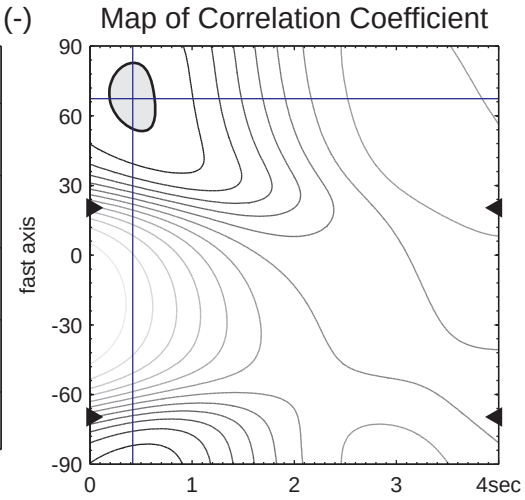


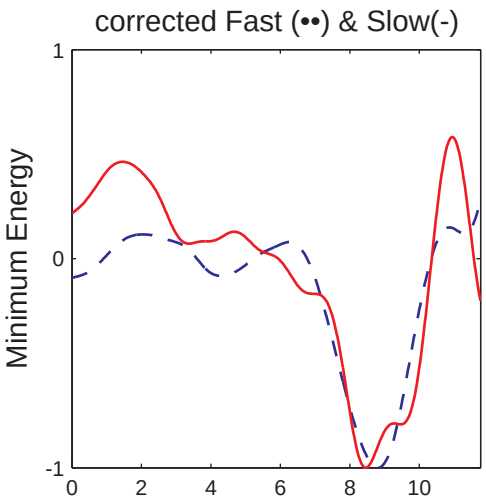
Inc = **11.0”**

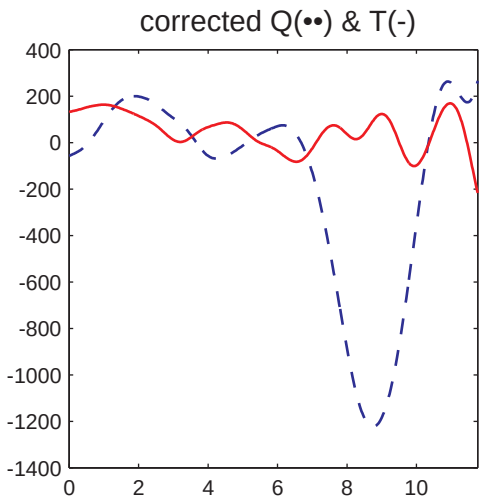


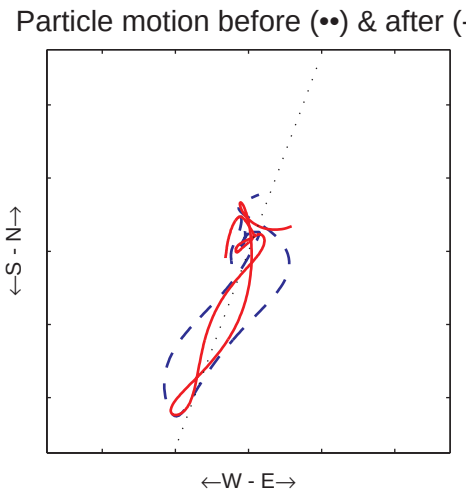


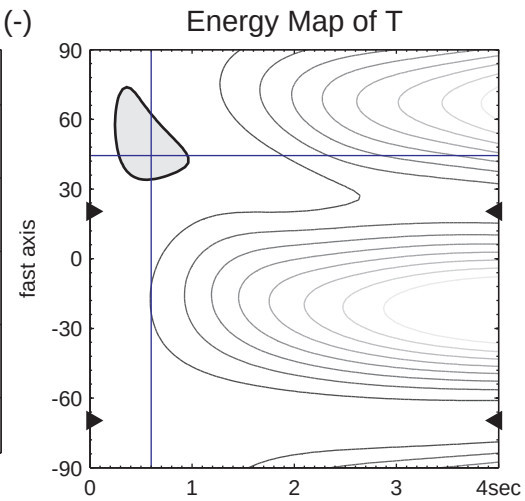


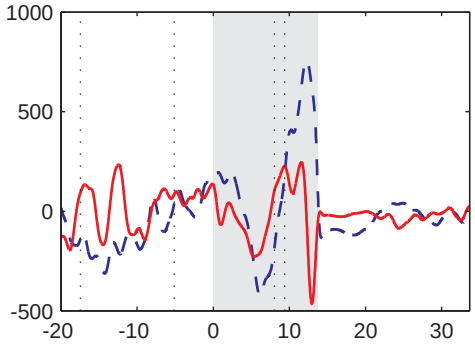








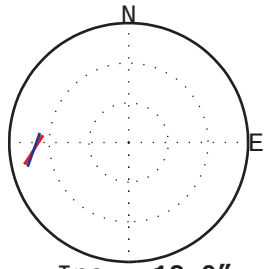




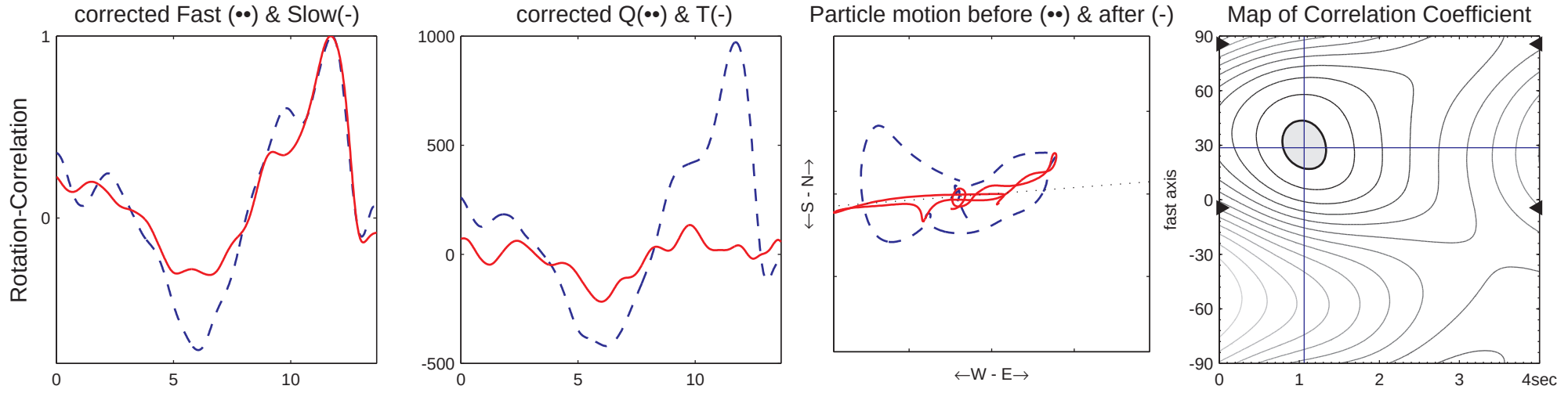
Event: **08-Jul-2008 (190) 09:13 -15.99N -71.75E 123km Mw=6.2**
Station: **LADK** Backazimuth: **265.6”** Distance: **110.76”**
init.Pol.: **73.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.3**

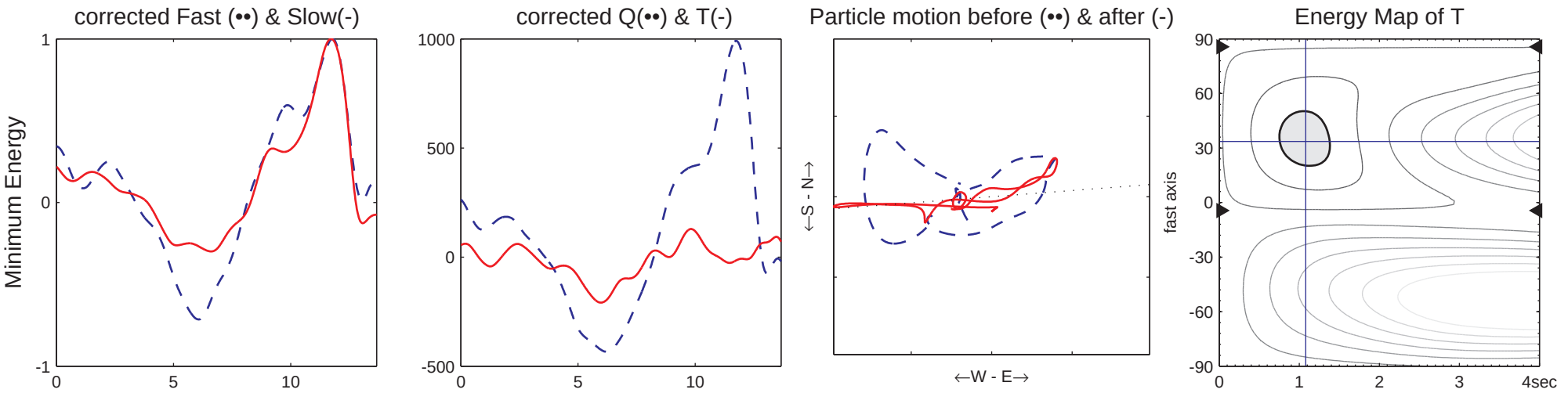
Rotation Correlation:	17<	29° <	44	0.8<1.1s<1.3
Minimum Energy:	19<	34° <	50	0.8<1.1s<1.4
Eigenvalue:	9<	20° <	33	0.9<1.1s<1.4

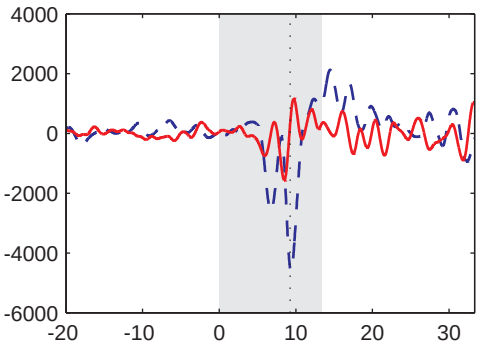
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



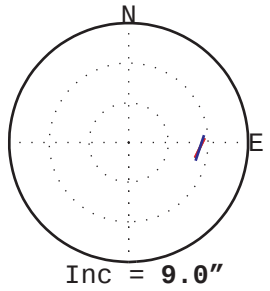


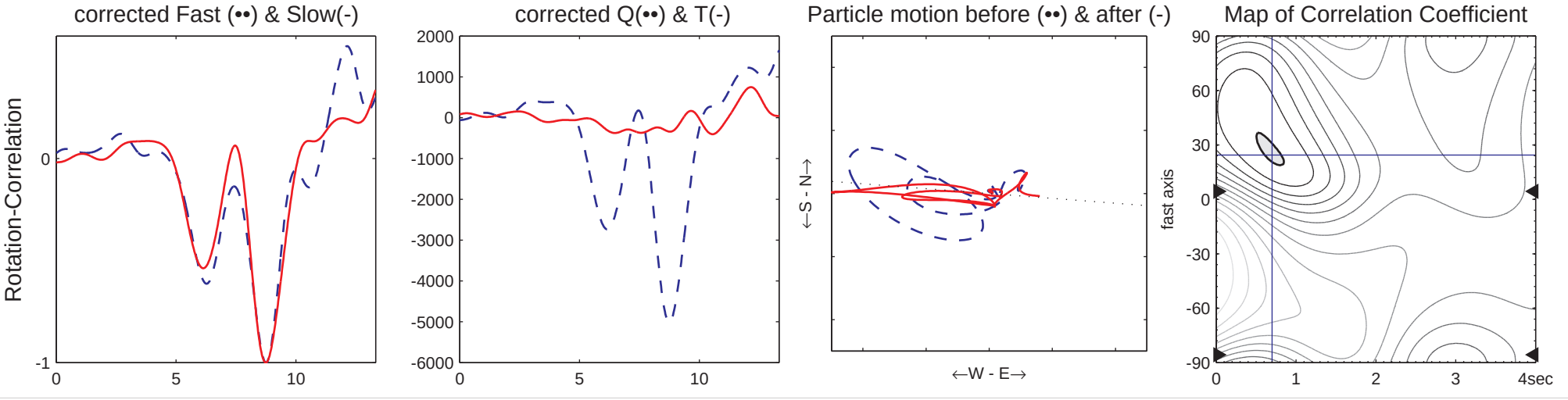


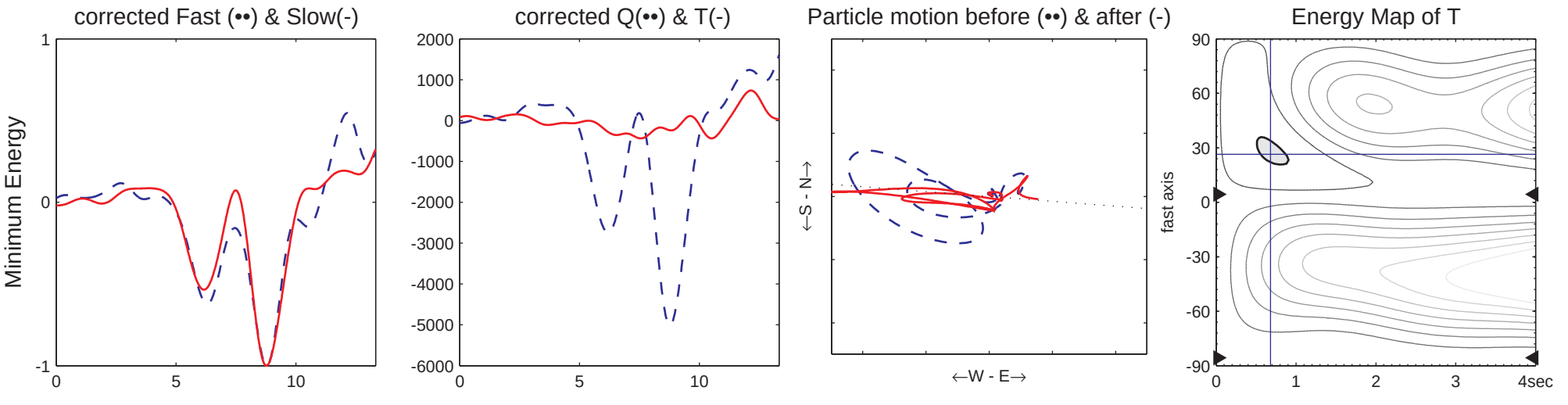
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **LADK** Backazimuth: **94.4”** Distance: **96.43”**
init.Pol.: **266.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.7**

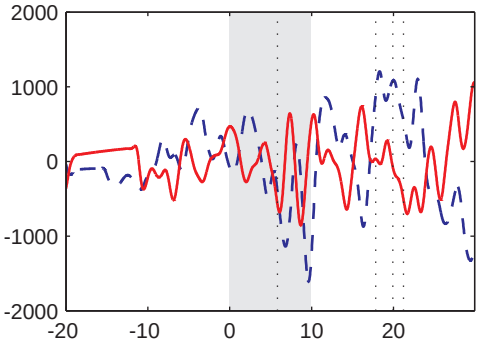
Rotation Correlation:	19<	24° <	37	0.5<0.7s<0.8
Minimum Energy:	21<	26° <	35	0.5<0.7s<0.9
Eigenvalue:	15<	18° <	27	0.6<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





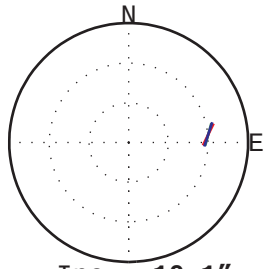




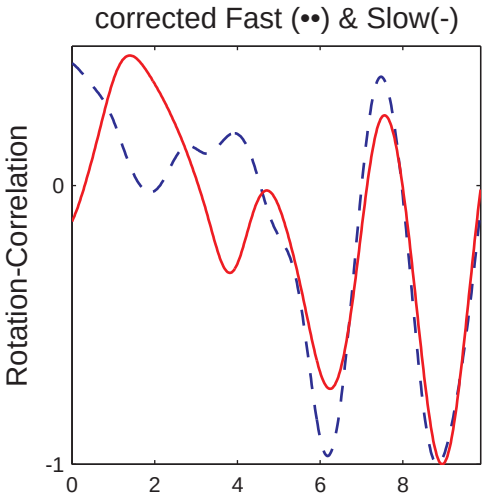
Event: **12-Feb-2009 (043) 13:15 4.04N 126.55E 27km Mw=6.3**
Station: **LADK** Backazimuth: **84.2”** Distance: **90.78”**
init.Pol.: **257.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.8**

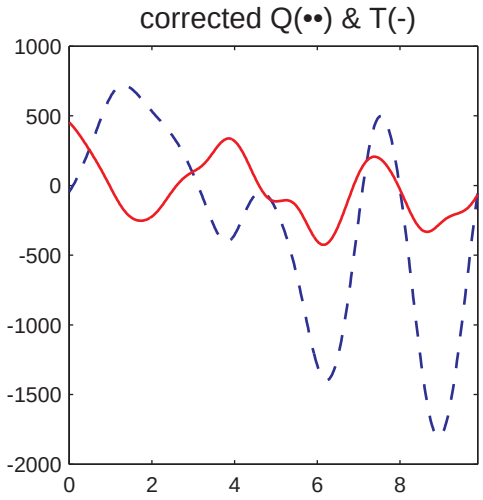
Rotation Correlation:	2<	15° <	35	0.5<0.7s<1.0
Minimum Energy:	15<	26° <	43	0.5<0.8s<1.0
Eigenvalue:	1<	18° <	43	0.5<0.8s<1.0

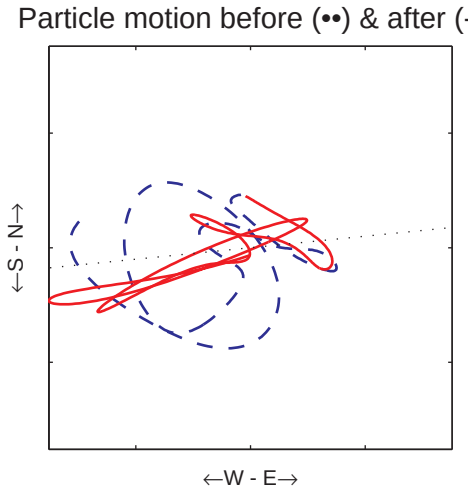
Quality: **fair** IsNull: **No** Phase: **SKS**

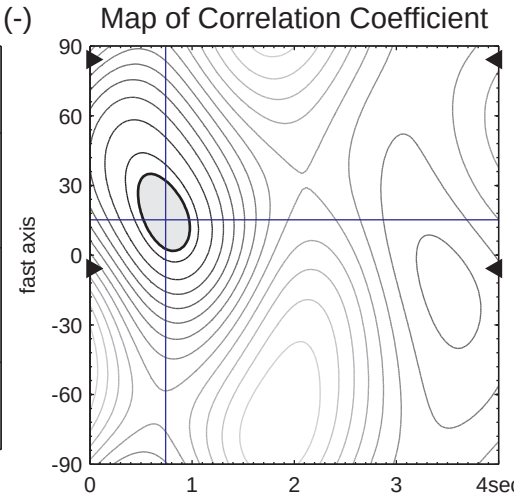


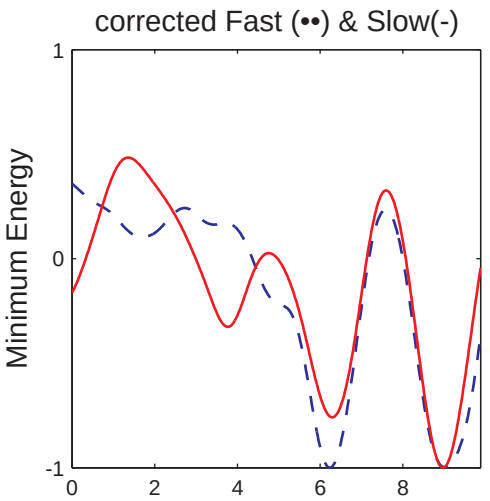
Inc = **10.1”**

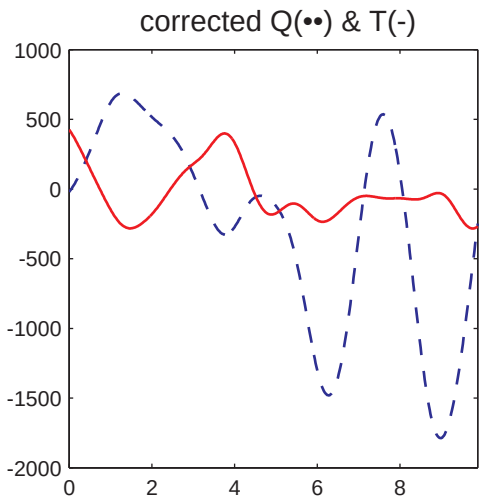


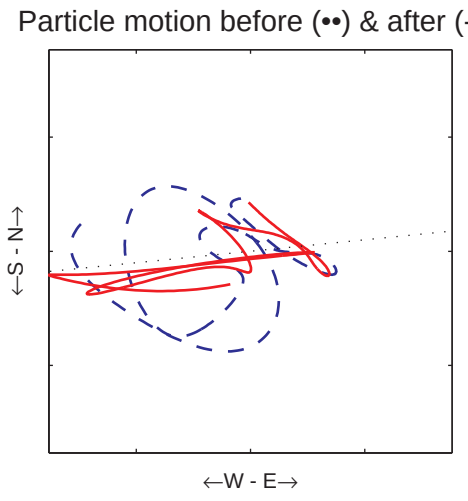


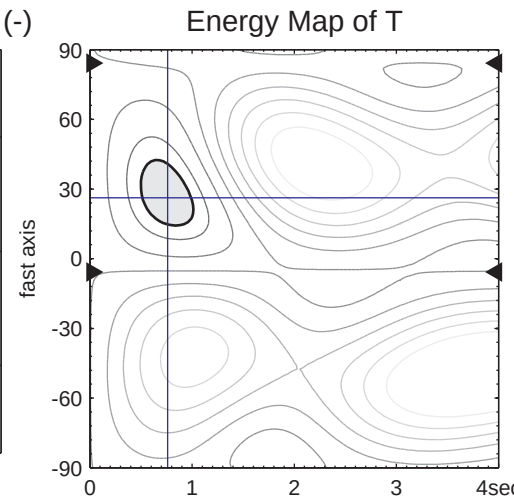


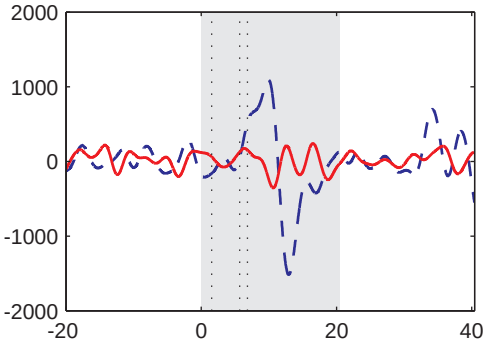








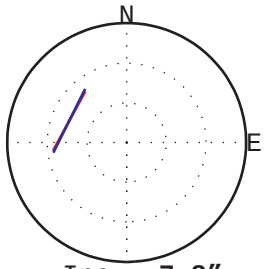


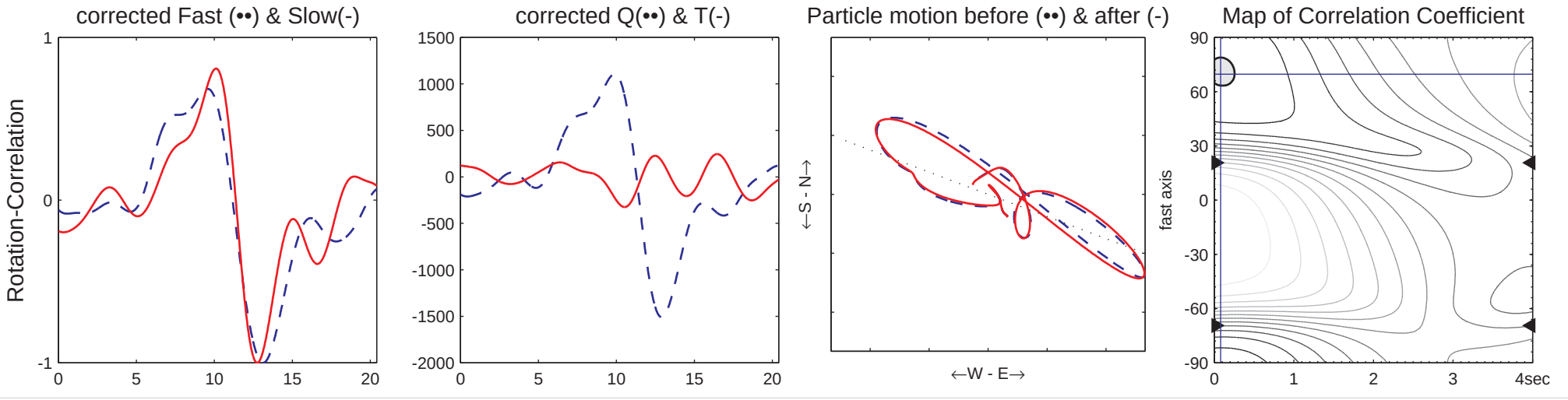


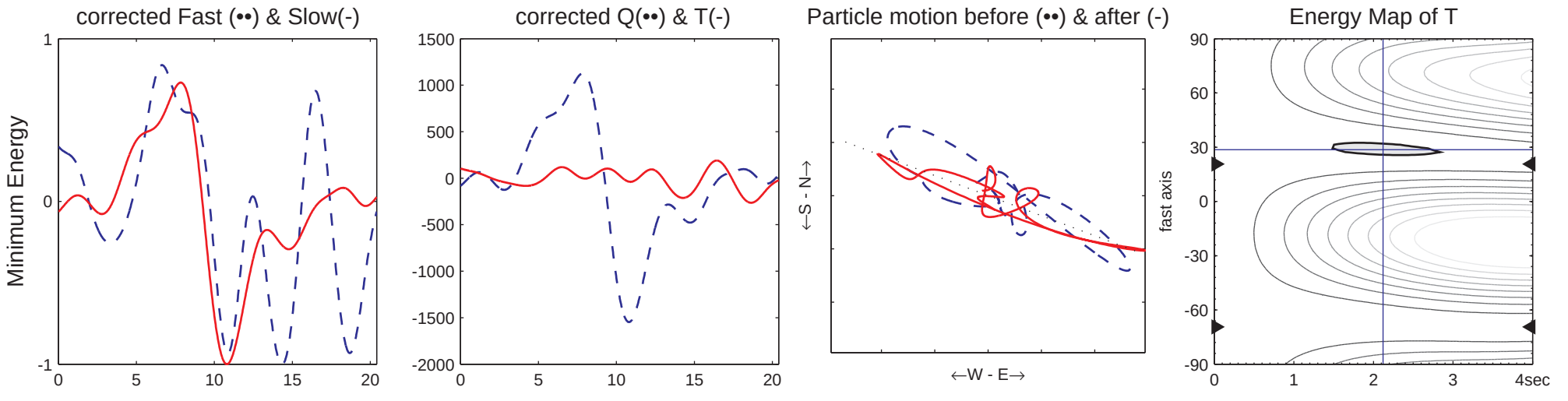
Event: **12-Mar-2009 (071) 23:23 5.69N -82.77E 9km Mw=6.3**
Station: **LADK** Backazimuth: **290.6”** Distance: **105.71”**
init.Pol.: **108.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

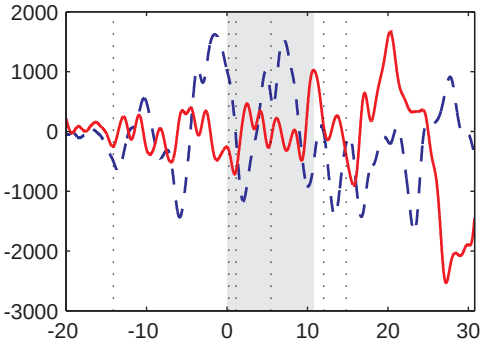
Rotation Correlation:	63<	70° <	79	0.0<0.1s<0.2
Minimum Energy:	25<	29° <	33	1.5<2.1s<2.8
Eigenvalue:	23<	27° <	31	1.6<2.2s<2.8

Quality: **good** IsNull: **Yes** Phase: **SKS**





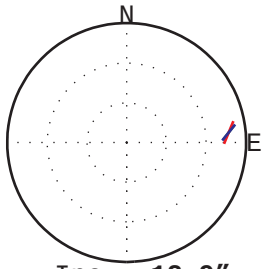




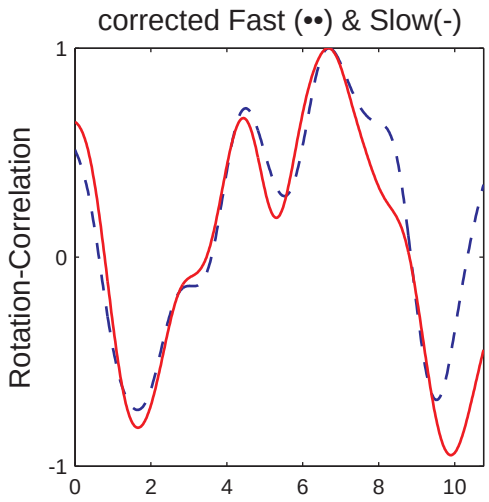
Event: **16-Mar-2009 (075) 14:15 3.81N 126.55E 35km Mw=6.3**
Station: **LADK** Backazimuth: **84.4”** Distance: **90.93”**
init.Pol.: **273.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.1**

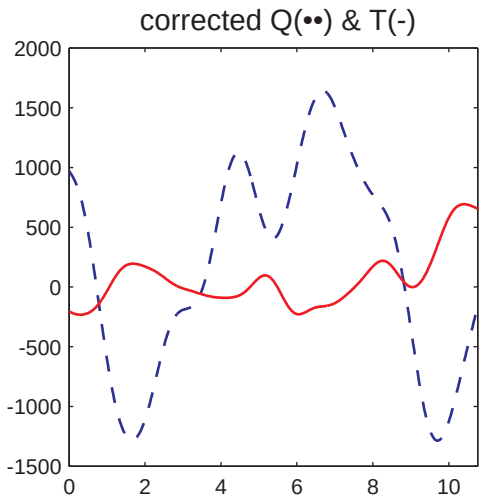
Rotation Correlation:	31<	38° <	49	0.4<0.6s<0.7
Minimum Energy:	15<	22° <	35	0.6<0.8s<1.0
Eigenvalue:	23<	38° <	56	0.5<0.6s<0.8

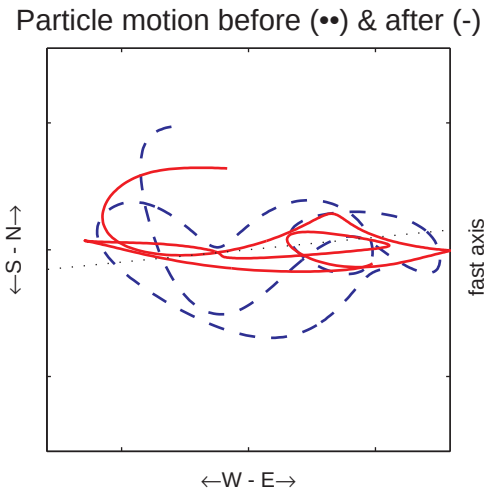
Quality: **fair** IsNull: **No** Phase: **SKKS**

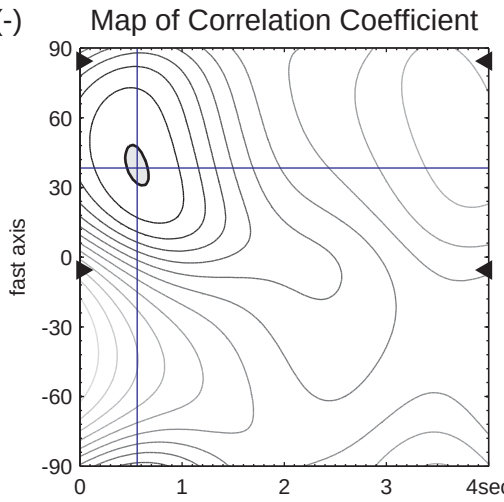


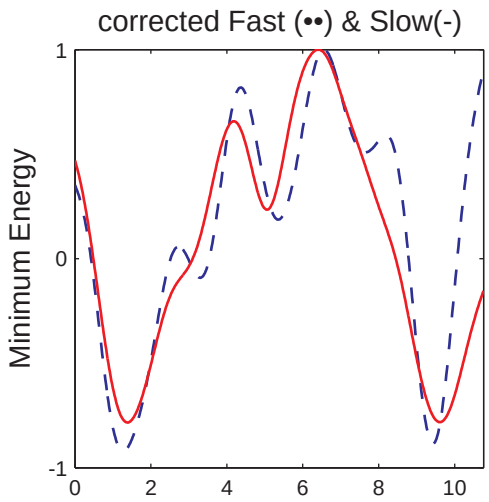
Inc = **12.9”**

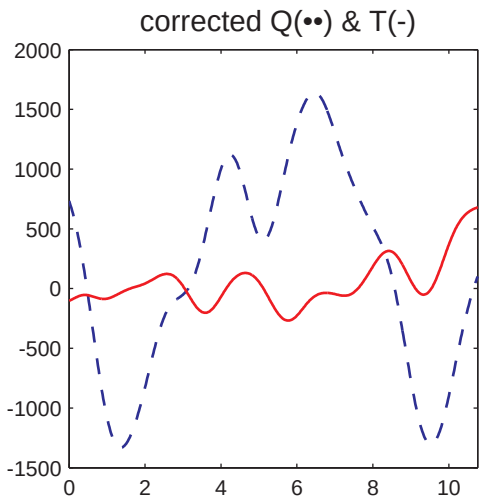


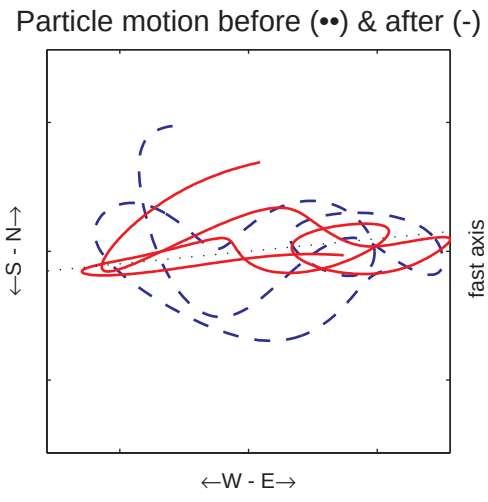


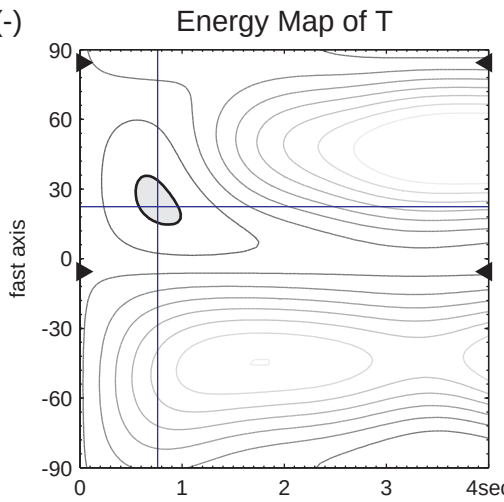


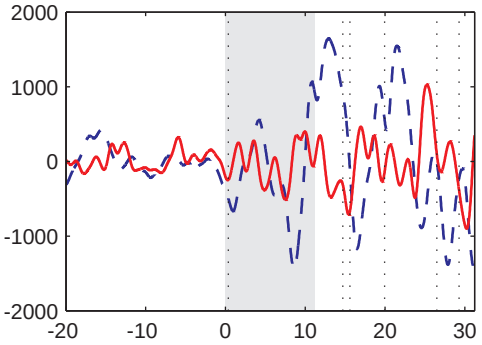








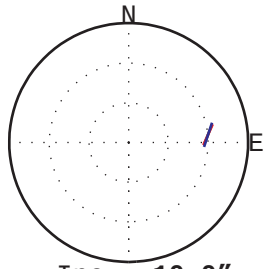




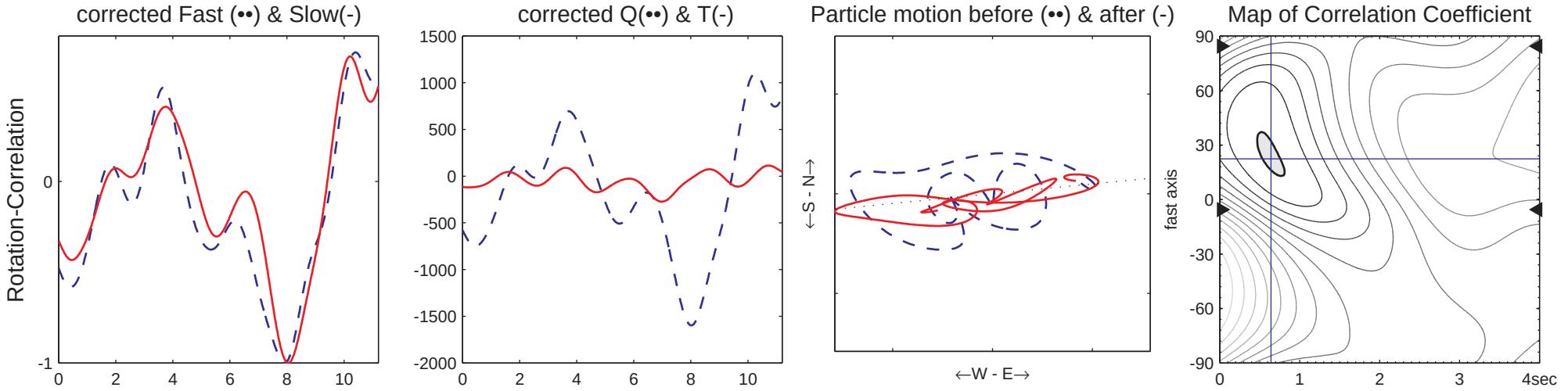
Event: **16-Mar-2009 (075) 14:15 3.81N 126.55E 35km Mw=6.3**
Station: **LADK** Backazimuth: **84.4”** Distance: **90.93”**
init.Pol.: **260.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.6**

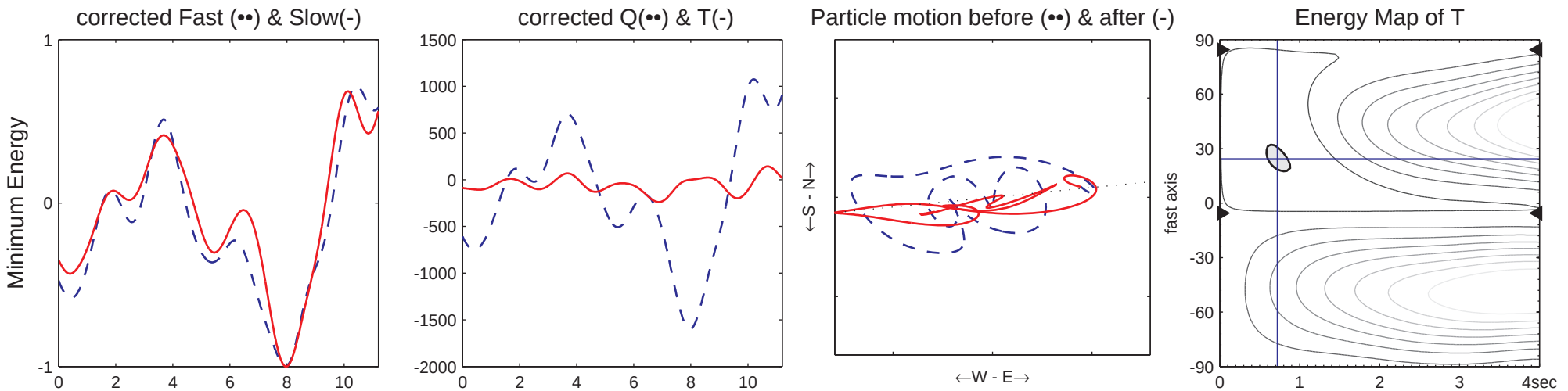
Rotation Correlation:	13<	22° <	38	0.5<0.6s<0.8
Minimum Energy:	17<	24° <	31	0.6<0.7s<0.9
Eigenvalue:	13<	18° <	25	0.7<0.8s<0.9

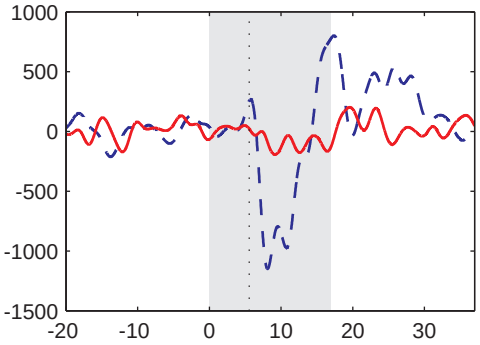
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.0”**



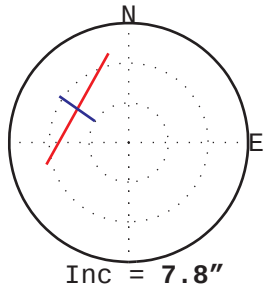


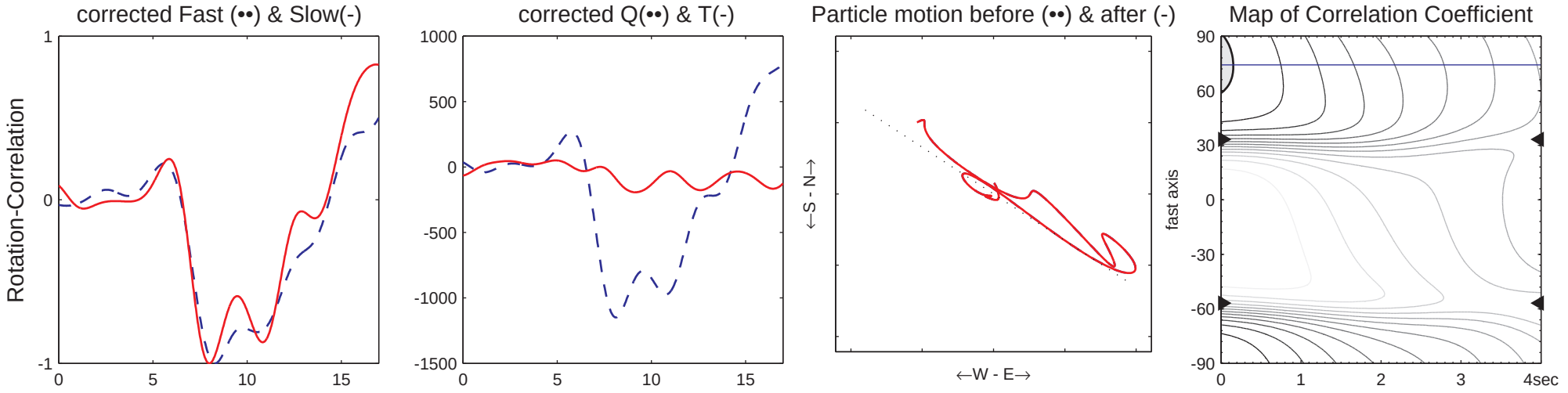


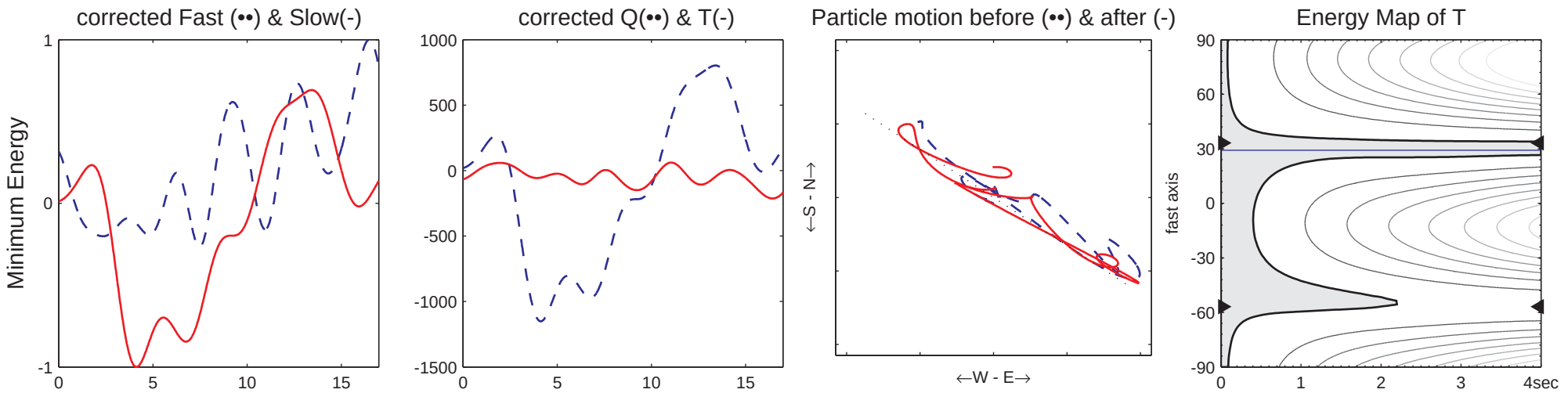
Event: **03-May-2009 (123) 16:21 14.55N -91.14E 108km Mw=6.3**
Station: **LADK** Backazimuth: **303.2”** Distance: **105.34”**
init.Pol.: **118.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.4**

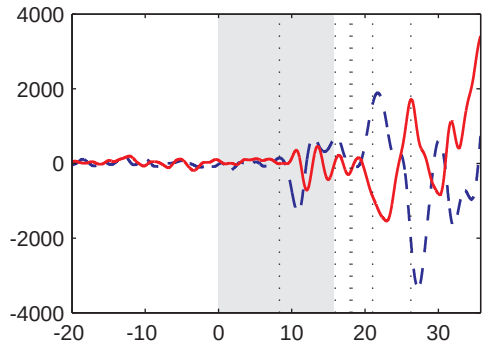
Rotation Correlation:	59<	74° < -90	0.0<0.0s<0.2
Minimum Energy:	-Inf<	29° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-55° < Inf	0.0<1.4s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





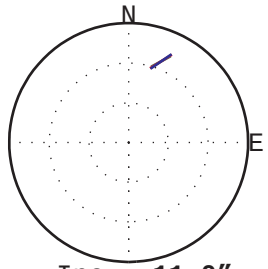




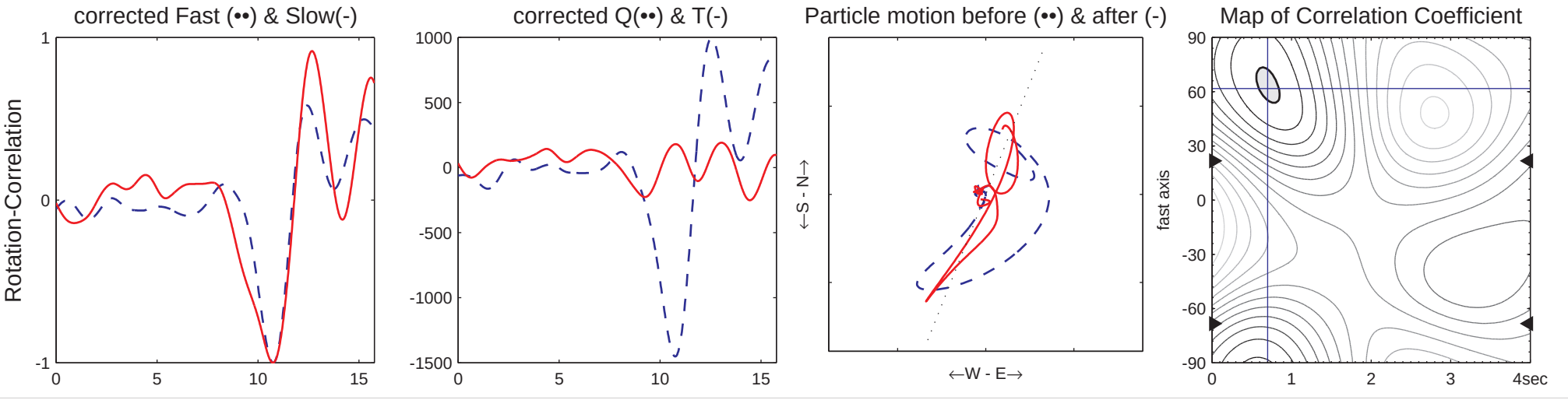
Event: **06-Jul-2009 (187) 14:53 50.44N 176.99E 22km Mw=6.1**
Station: **LADK** Backazimuth: **21.7”** Distance: **86.07”**
init.Pol.: **200.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.7**

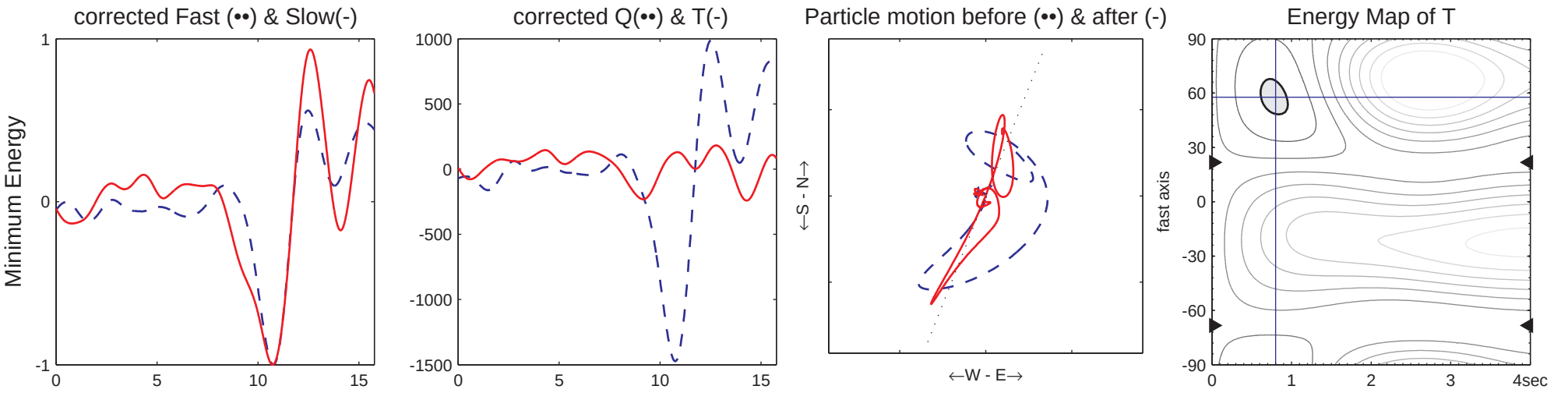
Rotation Correlation:	54<	62° <	74	0.6<0.7s<0.8
Minimum Energy:	48<	58° <	68	0.6<0.8s<1.0
Eigenvalue:	43<	56° <	70	0.6<0.8s<1.0

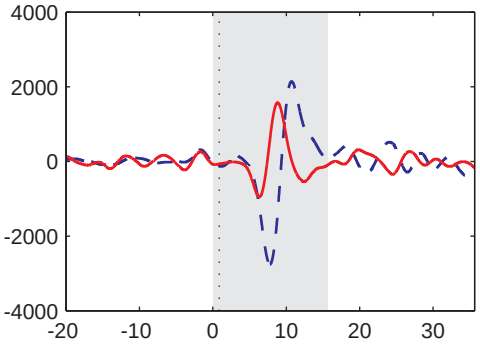
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **11.0”**



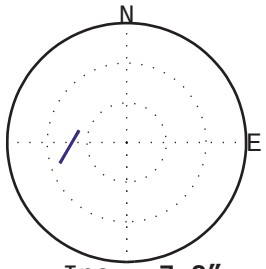


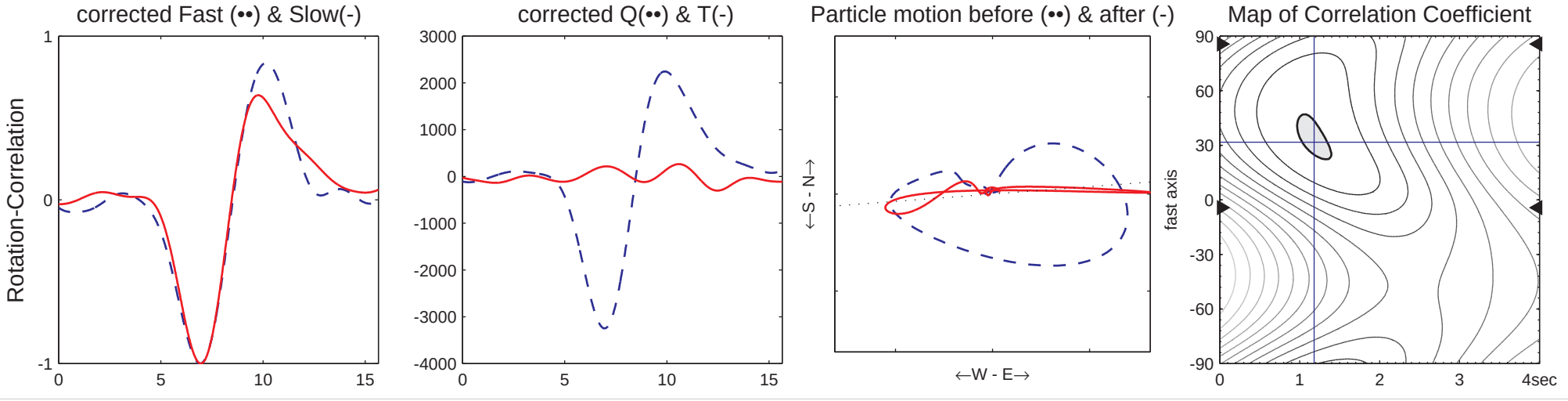


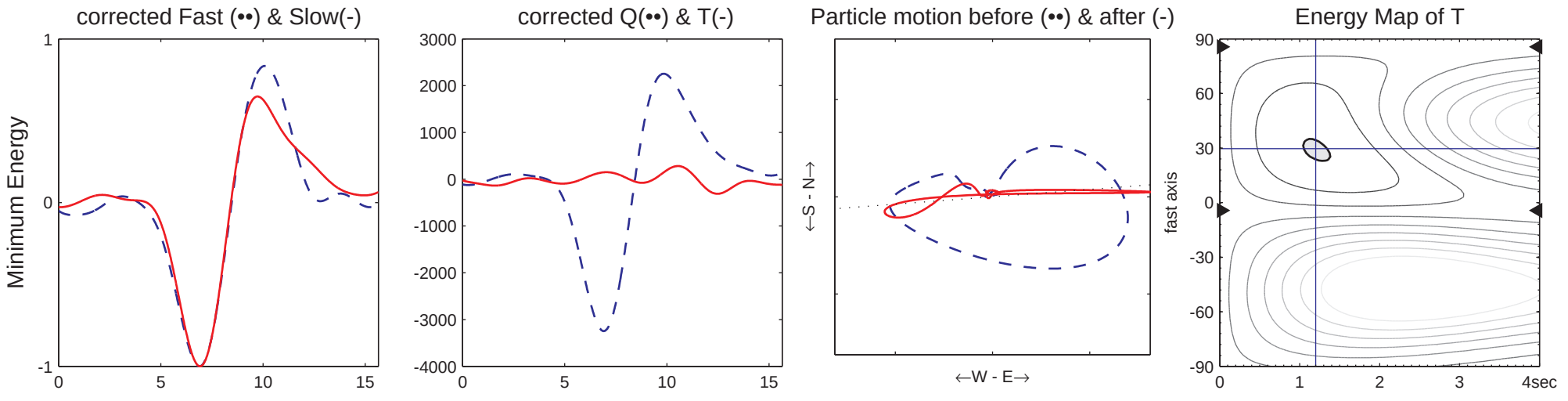
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **LADK** Backazimuth: **265.7”** Distance: **109.19”**
init.Pol.: **86.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.8**

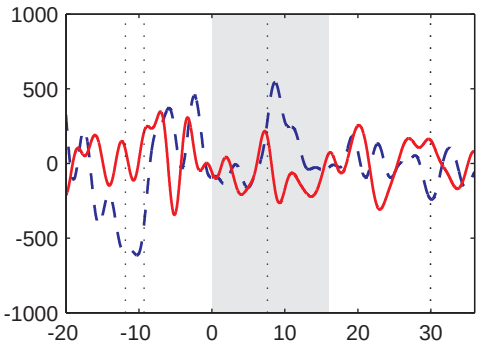
Rotation Correlation:	23<	32° <	47	1.0<1.2s<1.4
Minimum Energy:	23<	30° <	35	1.0<1.2s<1.4
Eigenvalue:	19<	30° <	41	1.0<1.2s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





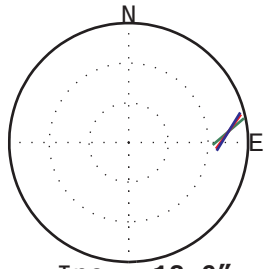




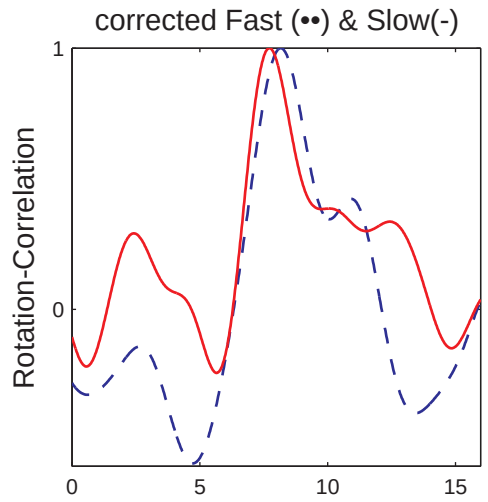
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **LADK** Backazimuth: **83.8”** Distance: **98.55”**
init.Pol.: **261.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

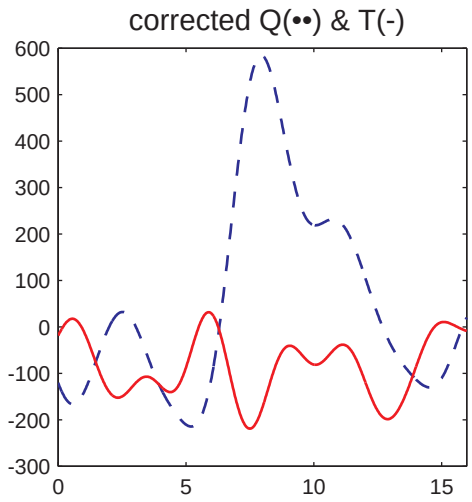
Rotation Correlation:	39<	50° <	63	1.0<1.3s<1.6
Minimum Energy:	15<	36° <	56	0.7<1.3s<2.0
Eigenvalue:	17<	32° <	43	1.1<1.4s<1.7

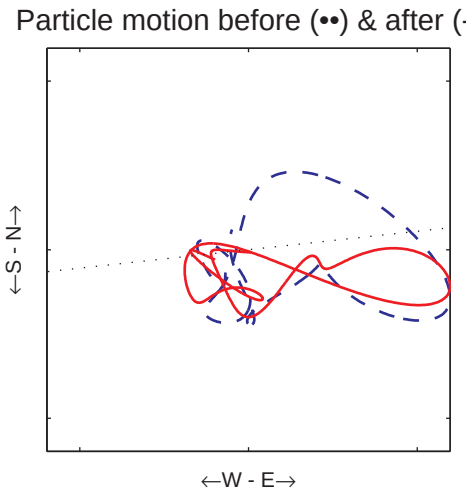
Quality: **fair** IsNull: **No** Phase: **SKKS**

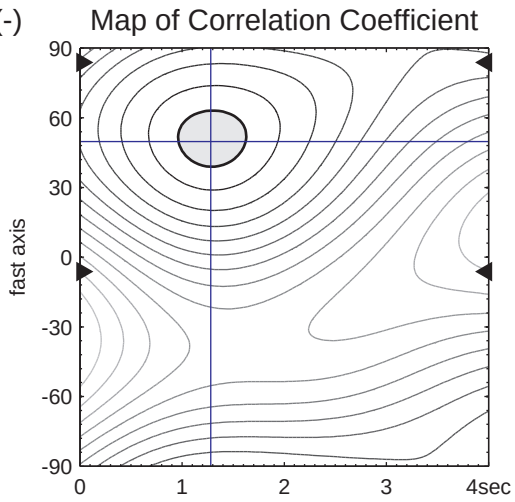


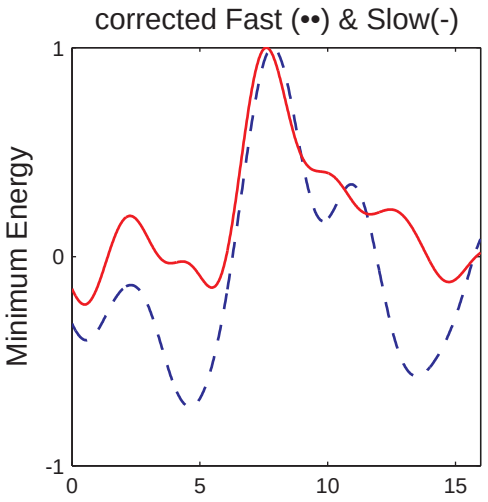
Inc = **12.6”**

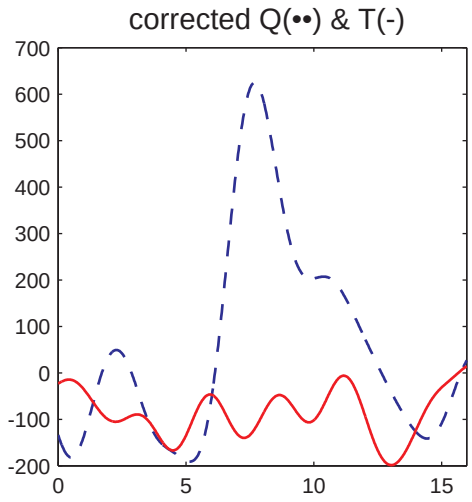


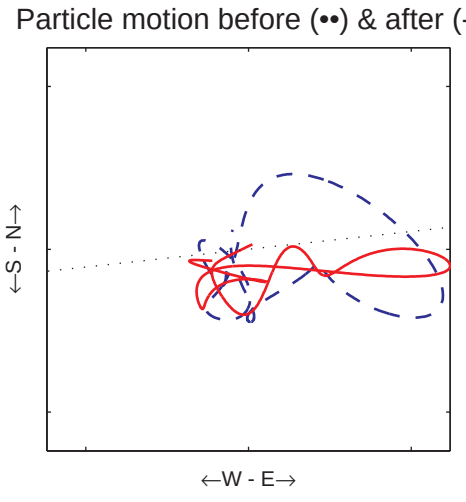


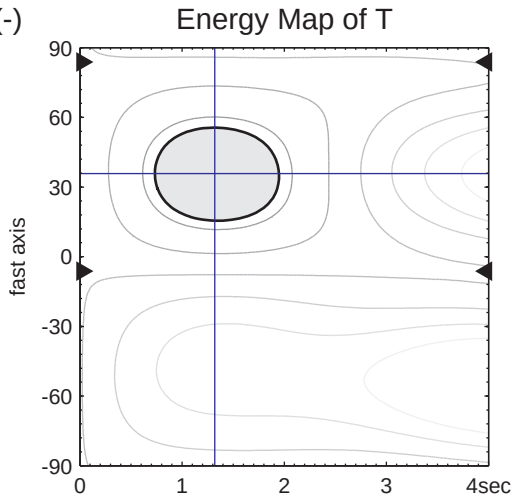


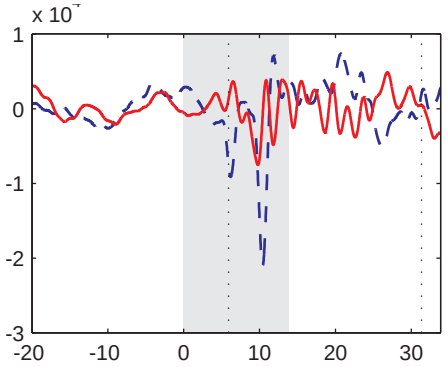








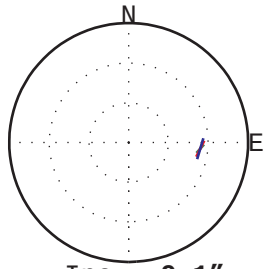


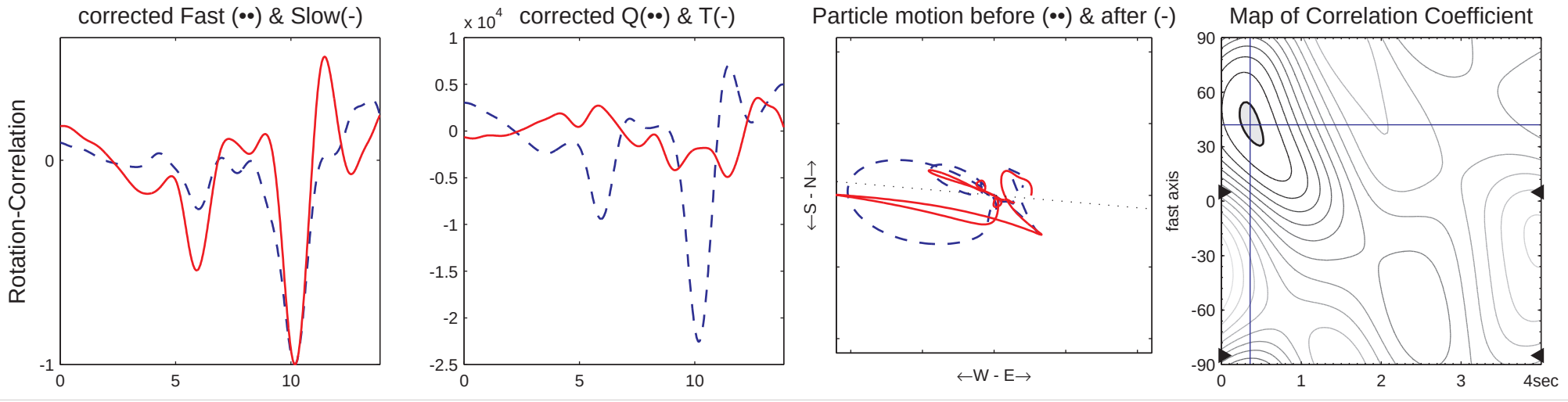


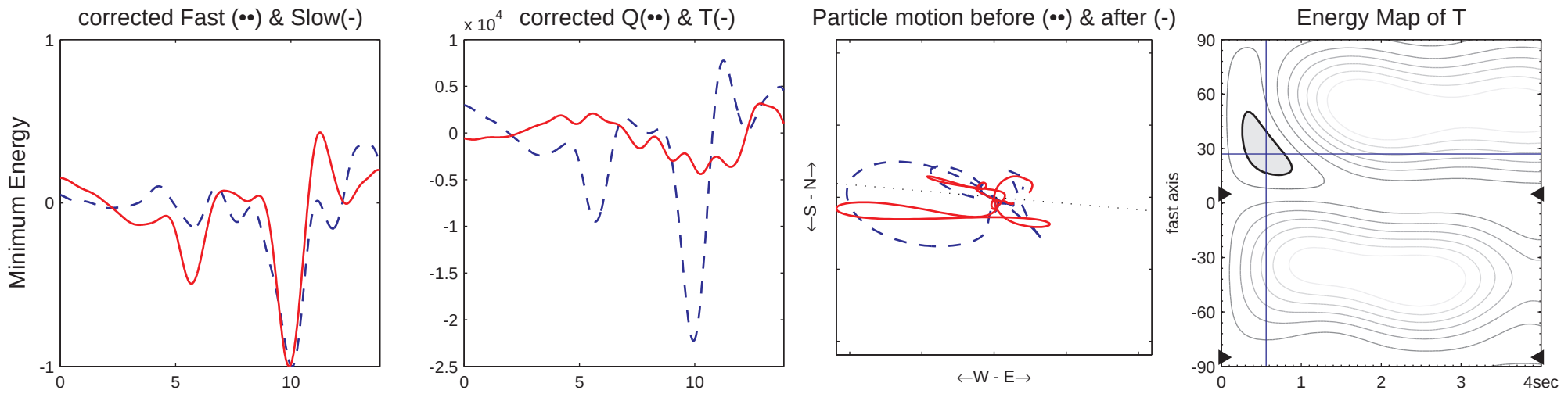
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **LADK** Backazimuth: **95.0”** Distance: **95.24”**
init.Pol.: **264.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

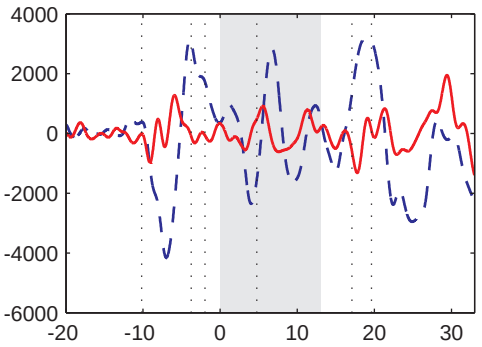
Rotation Correlation:	31<	42° <	55	0.2<0.4s<0.5
Minimum Energy:	15<	27° <	50	0.3<0.6s<0.9
Eigenvalue:	5<	17° <	35	0.4<0.7s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





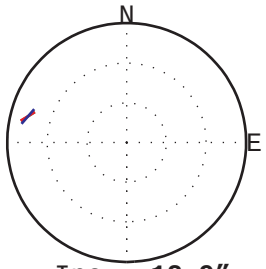




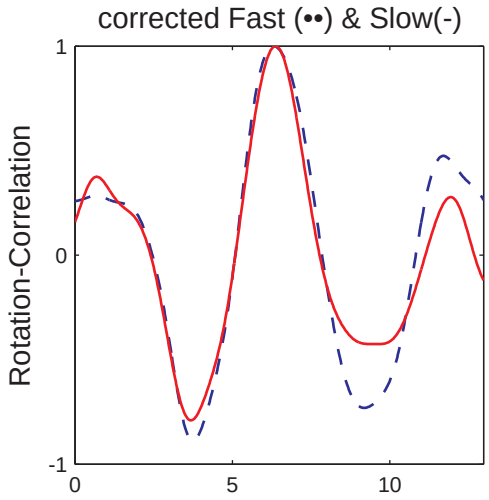
Event: **12-Sep-2009 (255) 20:06 10.71N -67.93E 14km Mw=6.4**
Station: **LADK** Backazimuth: **284.8”** Distance: **91.32”**
init.Pol.: **100.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.8**

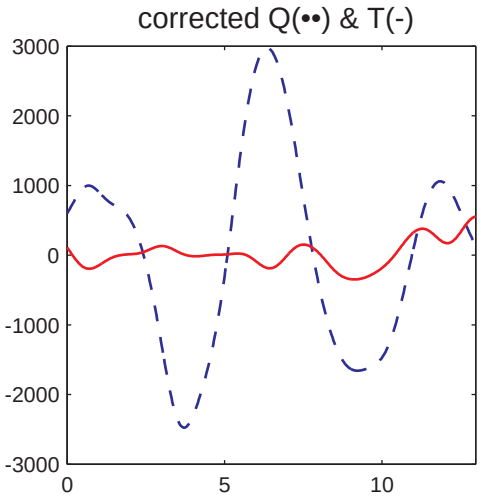
Rotation Correlation:	31<	58° <	87	0.3<0.5s<0.8
Minimum Energy:	35<	59° <	86	0.3<0.5s<0.8
Eigenvalue:	11<	41° <	-64	0.4<0.6s<2.0

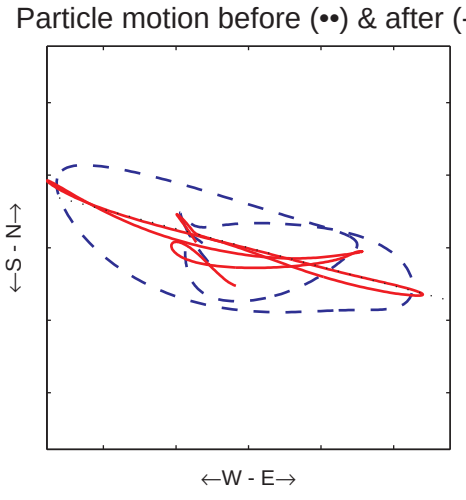
Quality: **good** IsNull: **No** Phase: **SKKS**

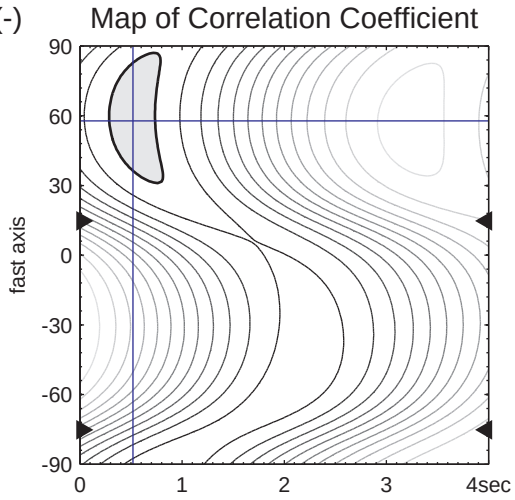


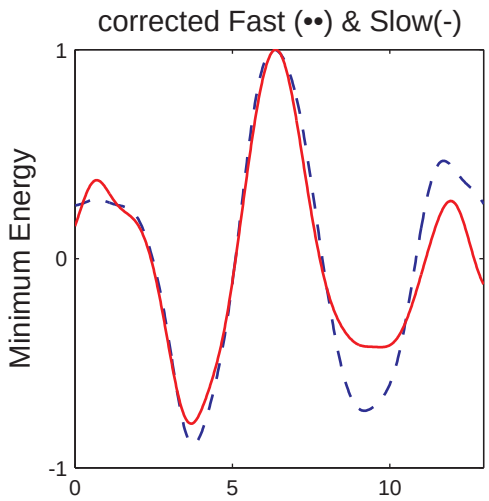
Inc = **12.9”**

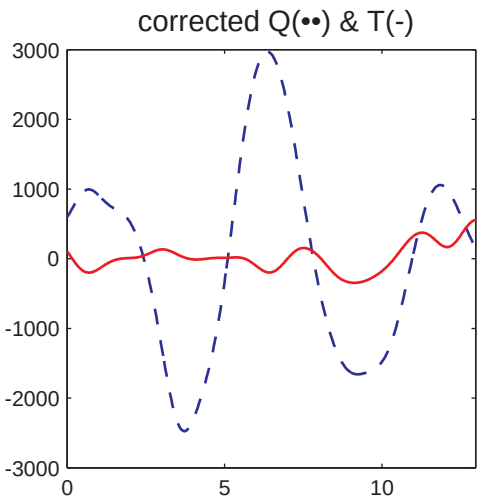


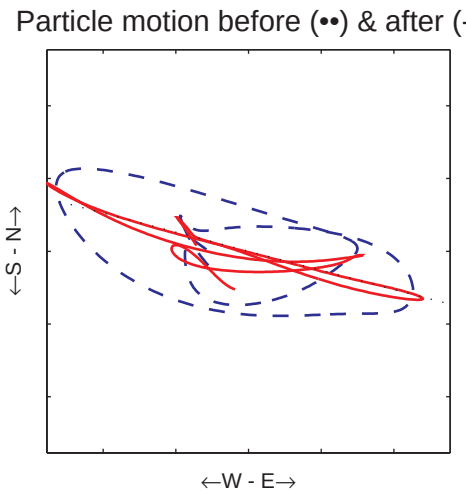


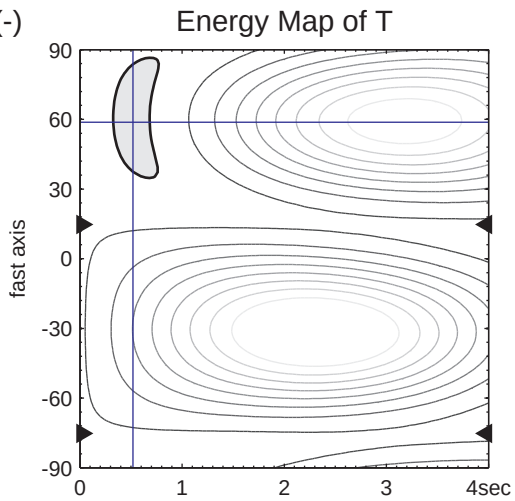


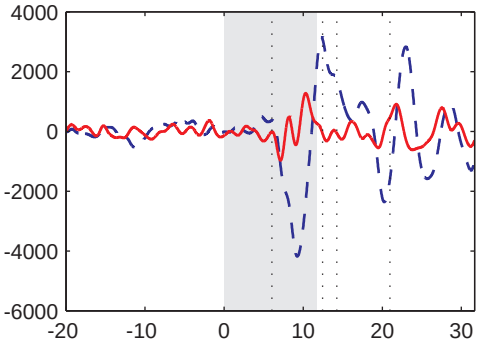








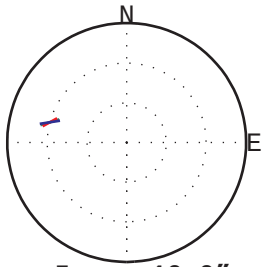




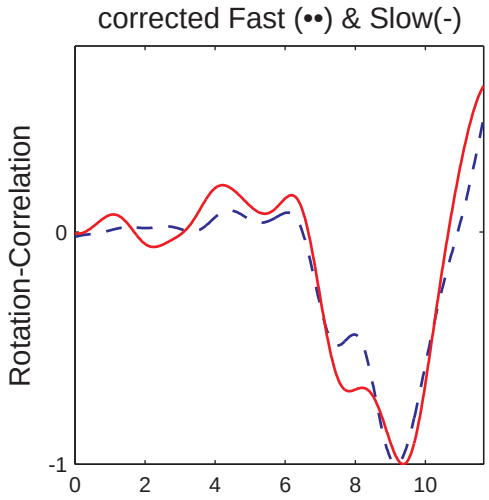
Event: **12-Sep-2009 (255) 20:06 10.71N -67.93E 14km Mw=6.4**
Station: **LADK** Backazimuth: **284.8”** Distance: **91.32”**
init.Pol.: **112.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.7**

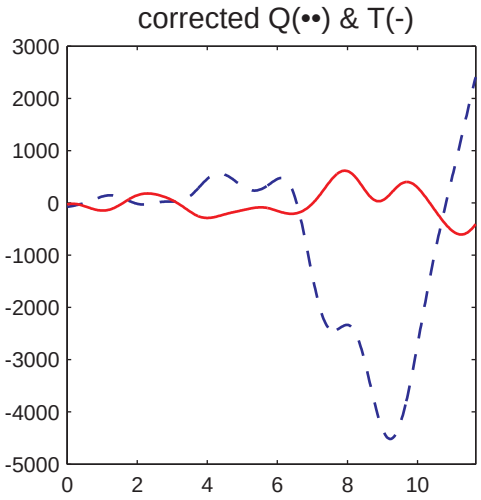
Rotation Correlation:	63<	73° <	82	0.5<0.6s<0.8
Minimum Energy:	39<	61° <	82	0.4<0.5s<0.7
Eigenvalue:	68<	81° <	-92	0.5<0.6s<0.8

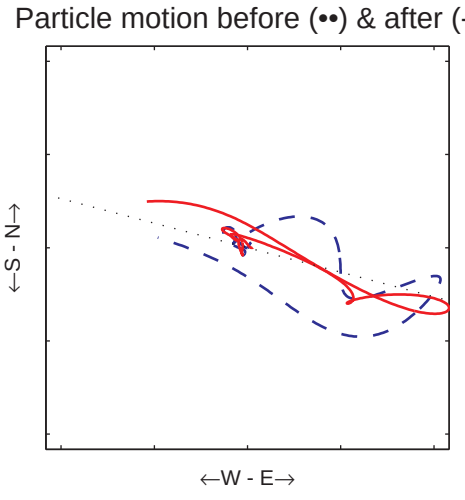
Quality: **fair** IsNull: **No** Phase: **SKS**

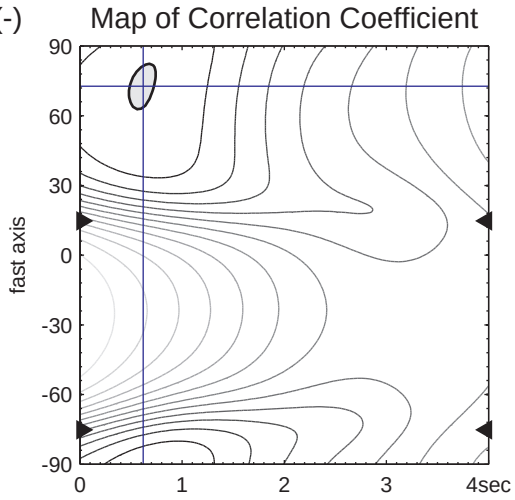


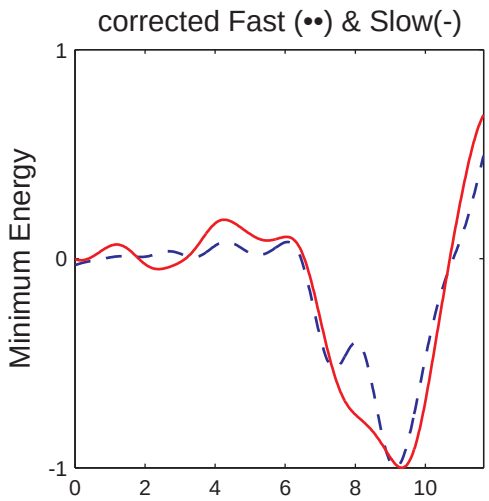
Inc = **10.0”**

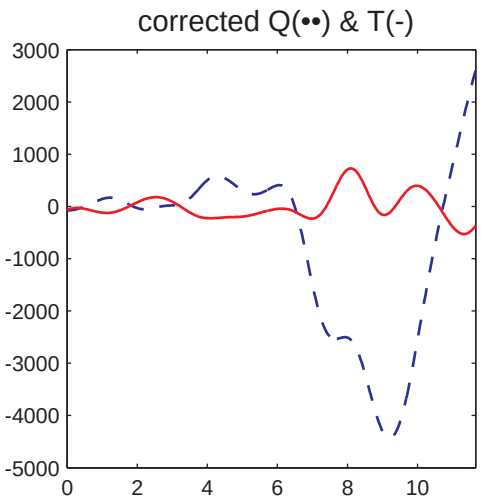


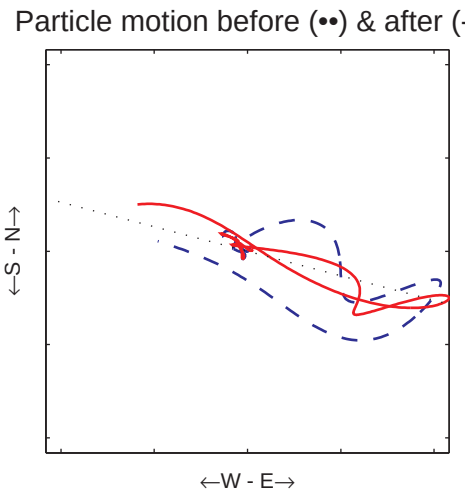


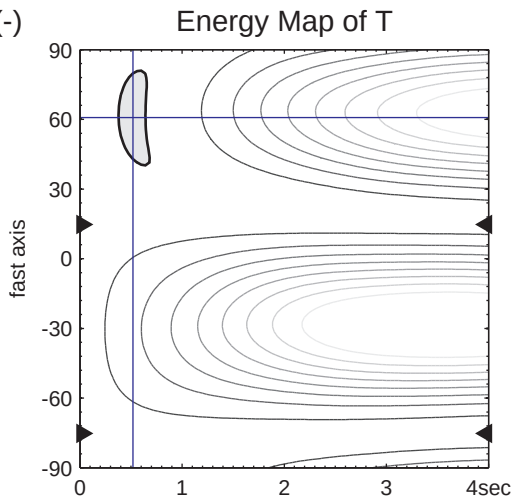


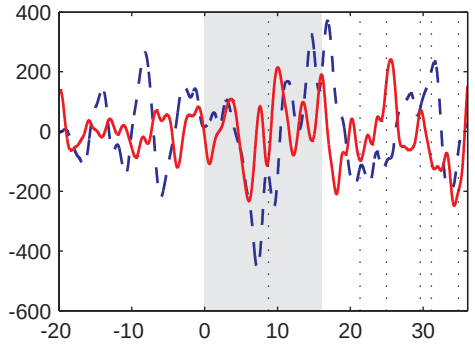








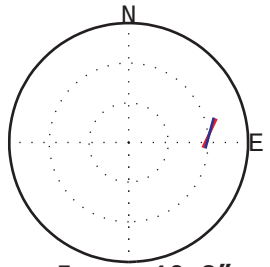




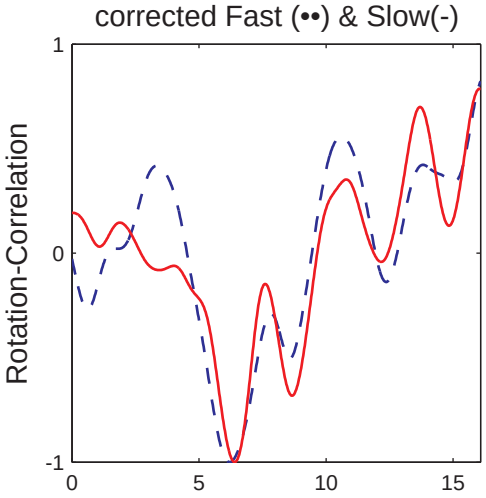
Event: **28-Nov-2009 (332) 18:10 5.33N 126.29E 38km Mw=6.1**
Station: **LADK** Backazimuth: **83.4”** Distance: **89.78”**
init.Pol.: **250.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

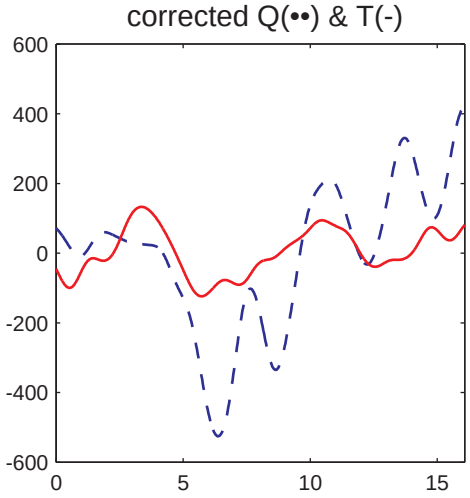
Rotation Correlation:	13<	19° <	27	0.8<1.0s<1.1
Minimum Energy:	15<	25° <	37	0.7<1.0s<1.3
Eigenvalue:	5<	15° <	25	0.8<1.0s<1.2

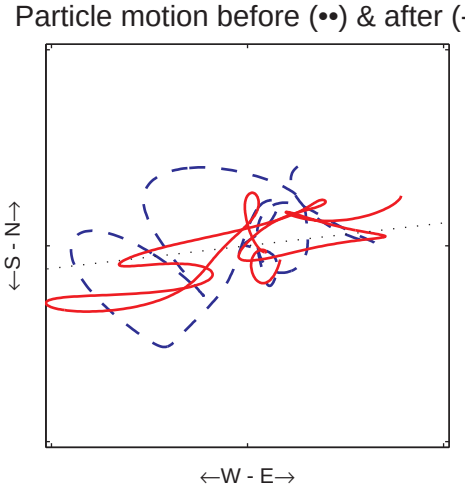
Quality: **good** IsNull: **No** Phase: **SKS**

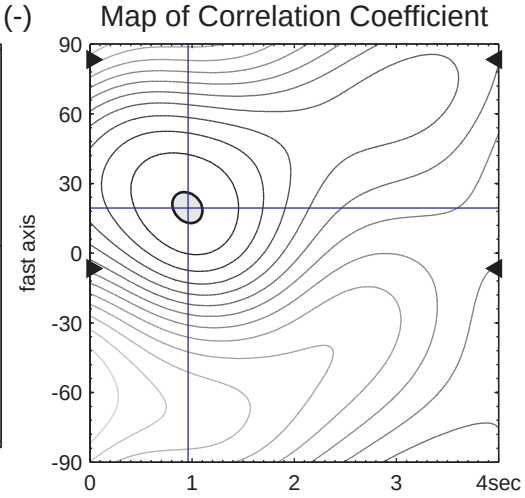


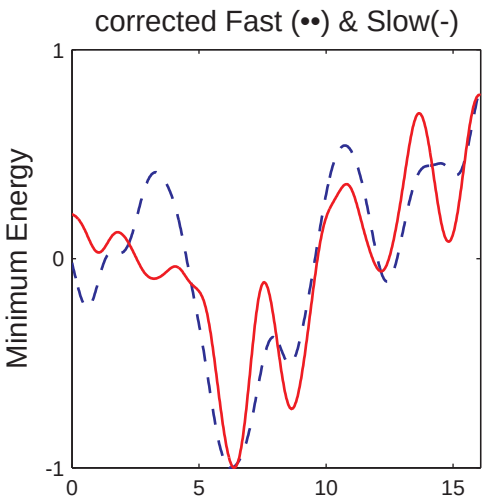
Inc = **10.3”**

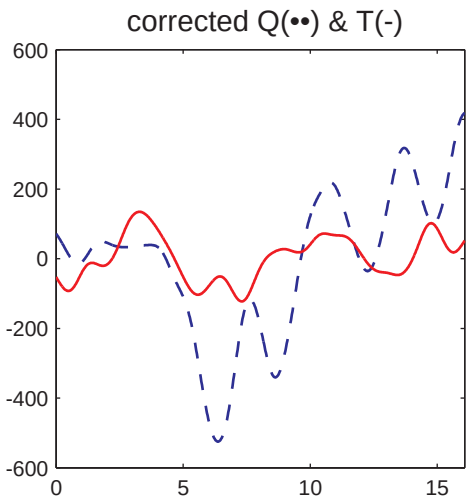


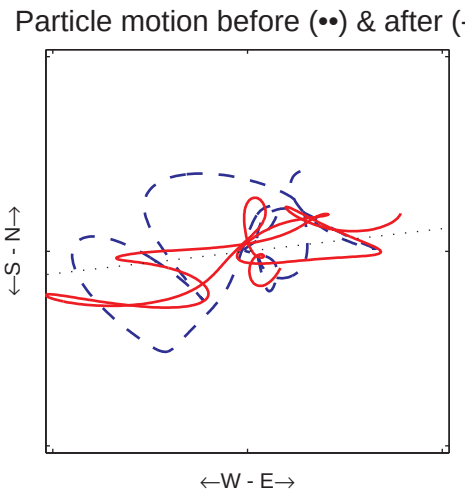


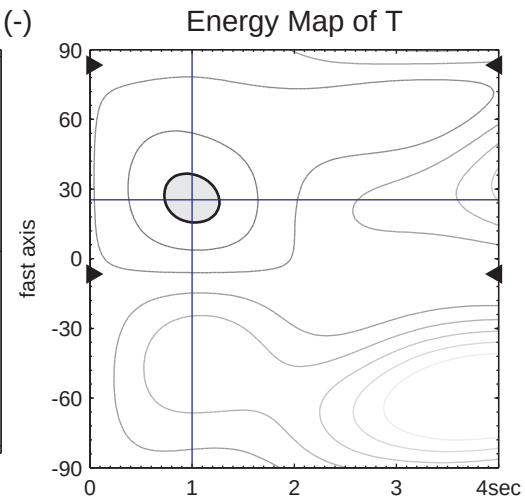


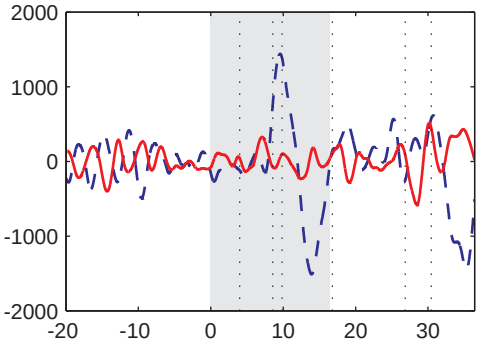








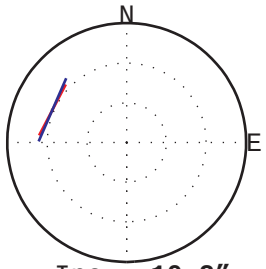




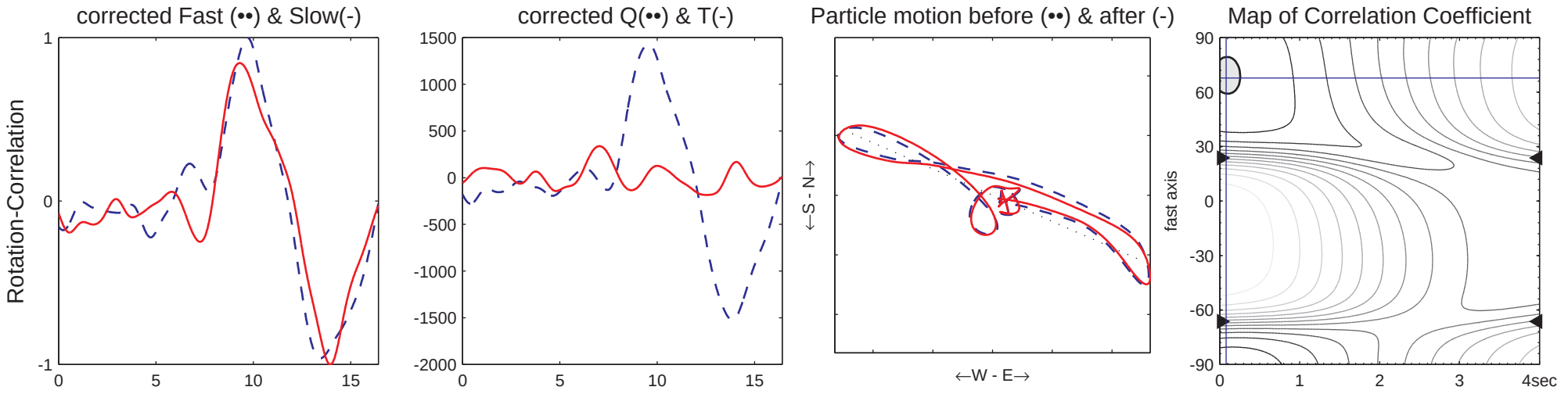
Event: **20-Jan-2010 (020) 11:03 18.42N -72.82E 10km Mw=5.9**
Station: **LADK** Backazimuth: **293.7”** Distance: **89.99”**
init.Pol.: **107.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.9**

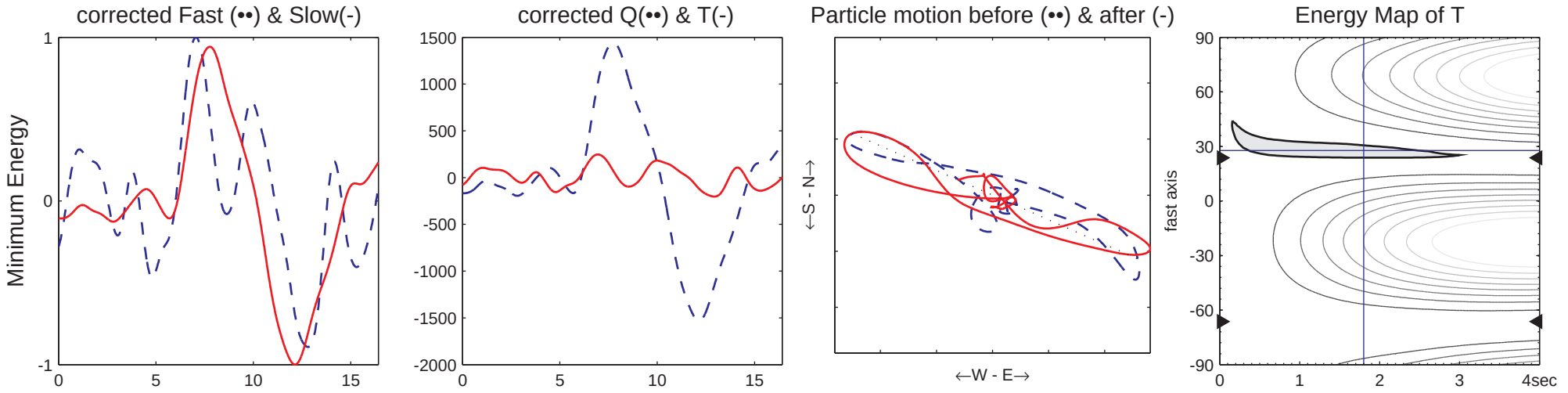
Rotation Correlation:	59<	68° <	79	0.0<0.1s<0.2
Minimum Energy:	23<	28° <	43	0.2<1.8s<3.0
Eigenvalue:	19<	24° <	27	1.4<2.2s<2.9

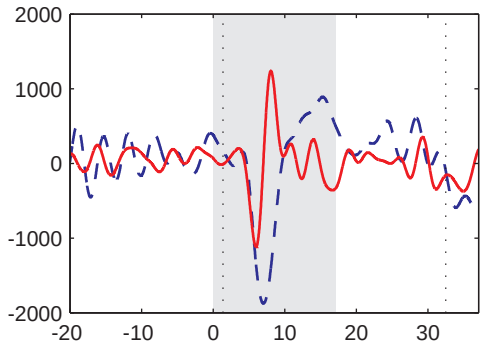
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.2”**



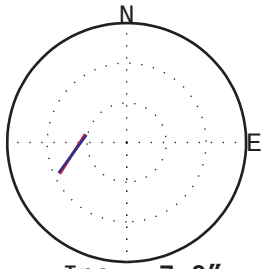




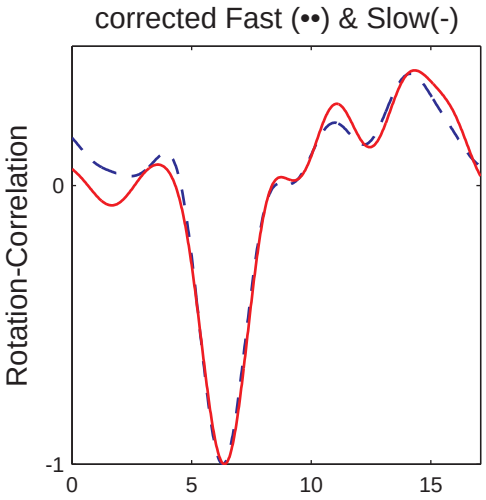
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **LADK** Backazimuth: **258.1”** Distance: **111.65”**
init.Pol.: **82.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.9**

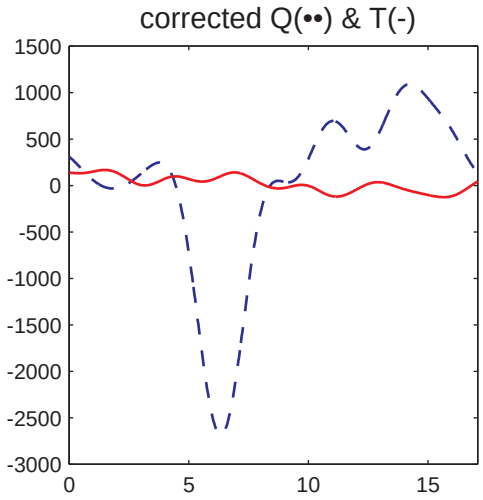
Rotation Correlation:	30<	34° <	40	1.3<1.4s<1.6
Minimum Energy:	29<	32° <	35	1.4<1.5s<1.6
Eigenvalue:	33<	36° <	39	1.4<1.5s<1.6

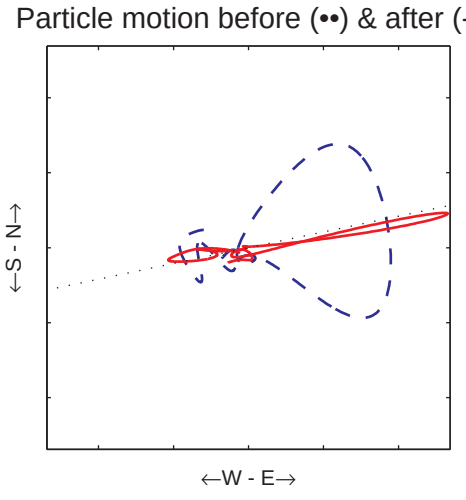
Quality: **good** IsNull: **No** Phase: **SKS**

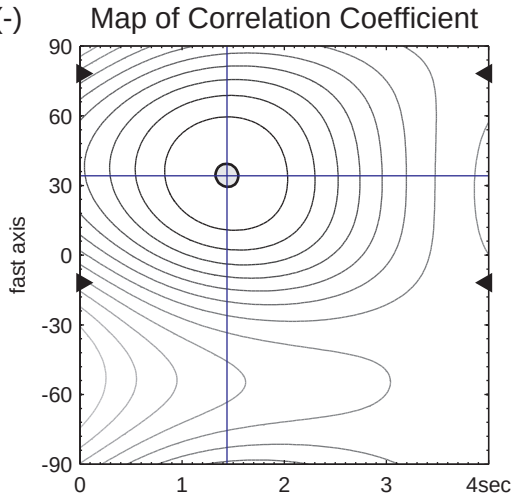


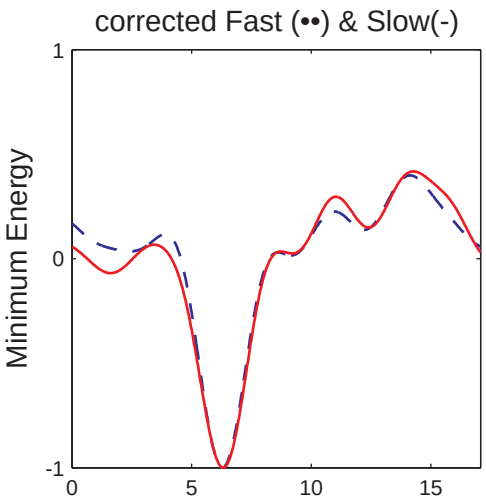
Inc = **7.0”**

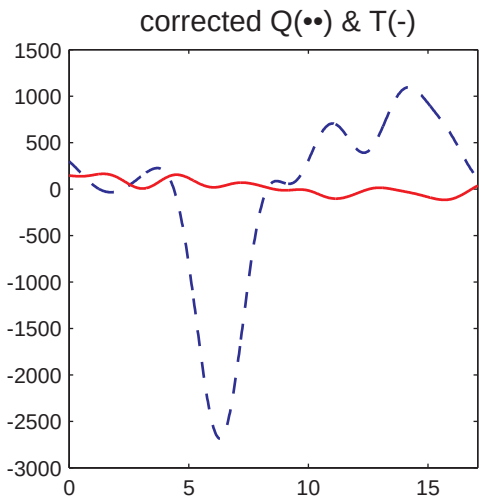


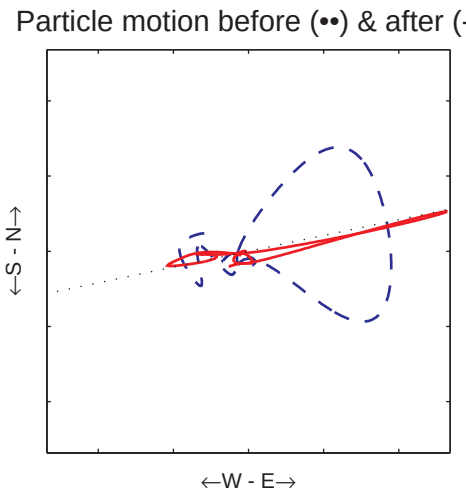


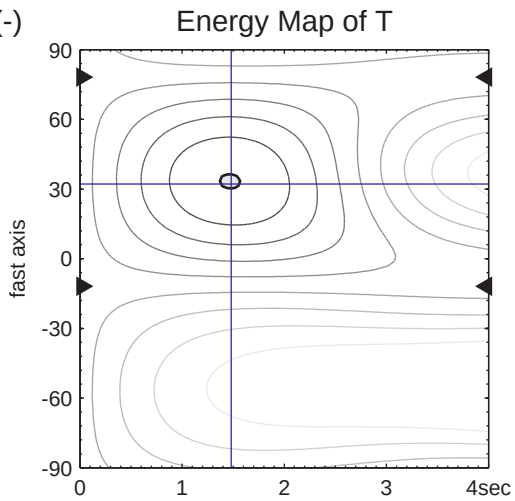


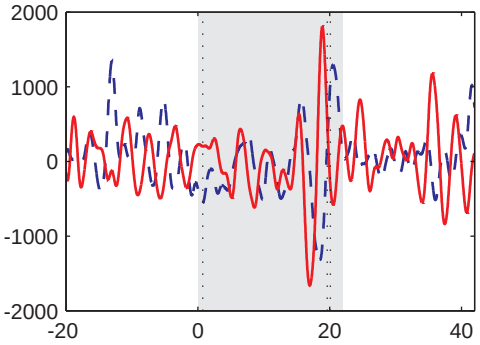








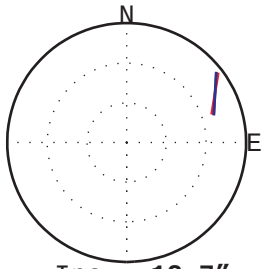




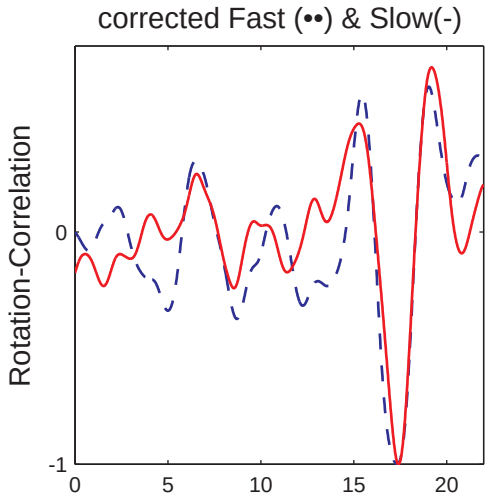
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **LADK** Backazimuth: **61.1”** Distance: **94.44”**
init.Pol.: **232.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.6**

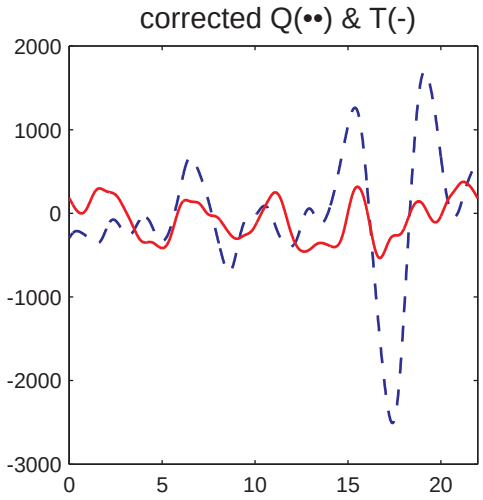
Rotation Correlation:	-5<	3° < 11	1.2<1.3s<1.4
Minimum Energy:	3<	9° < 15	1.2<1.3s<1.5
Eigenvalue:	-9<	3° < 15	1.2<1.4s<1.5

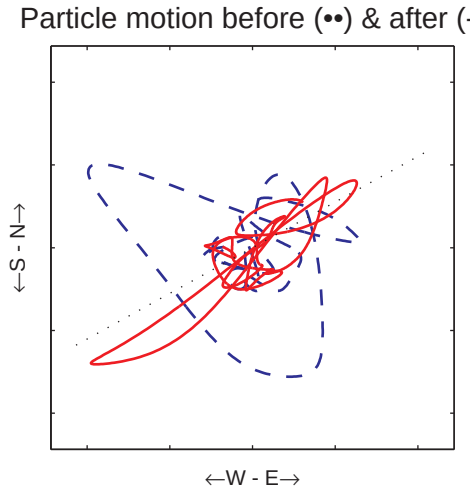
Quality: **good** IsNull: **No** Phase: **SKKS**

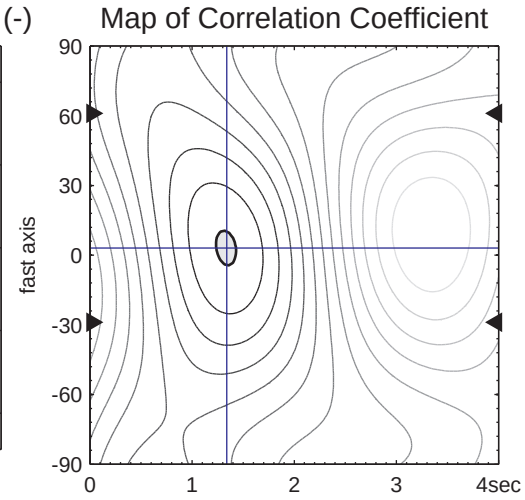


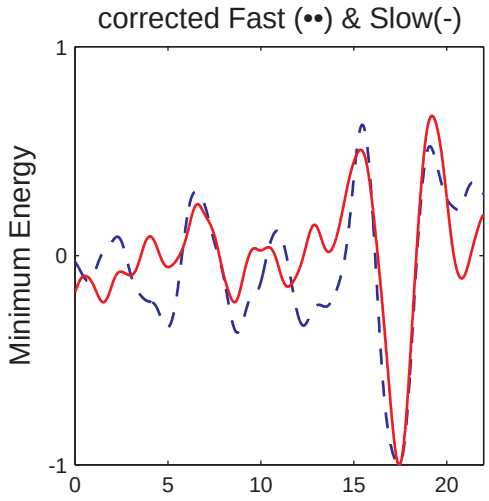
Inc = **12.7”**

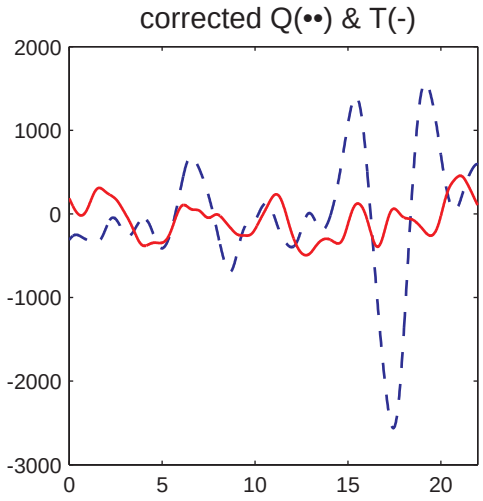


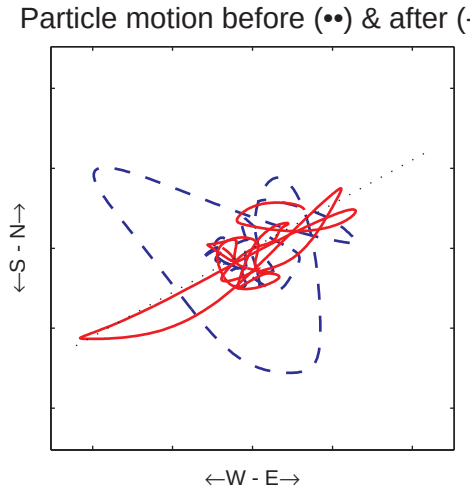


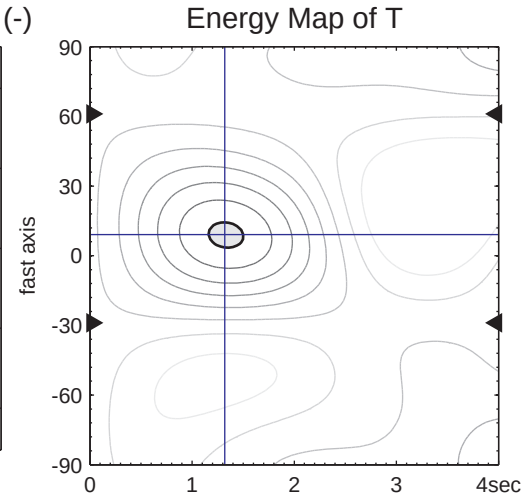


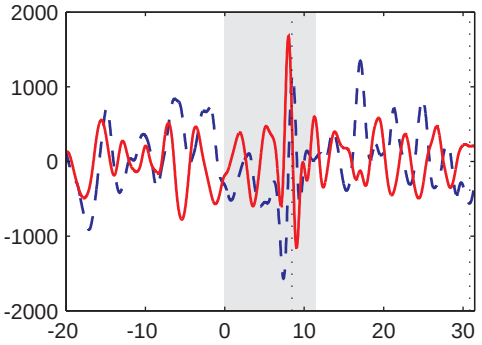








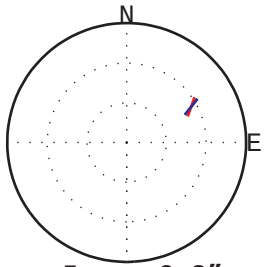


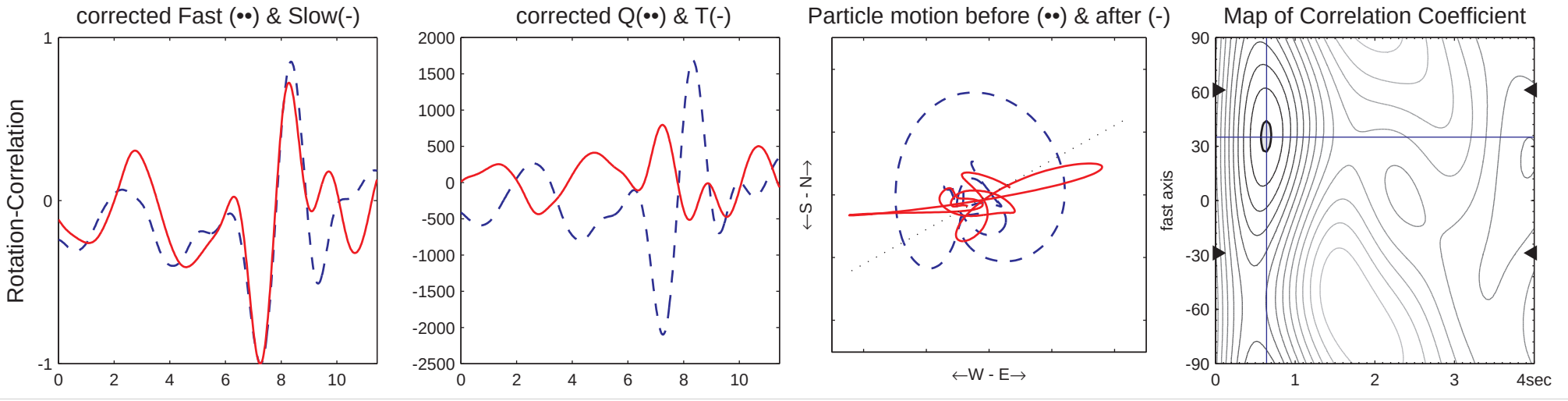


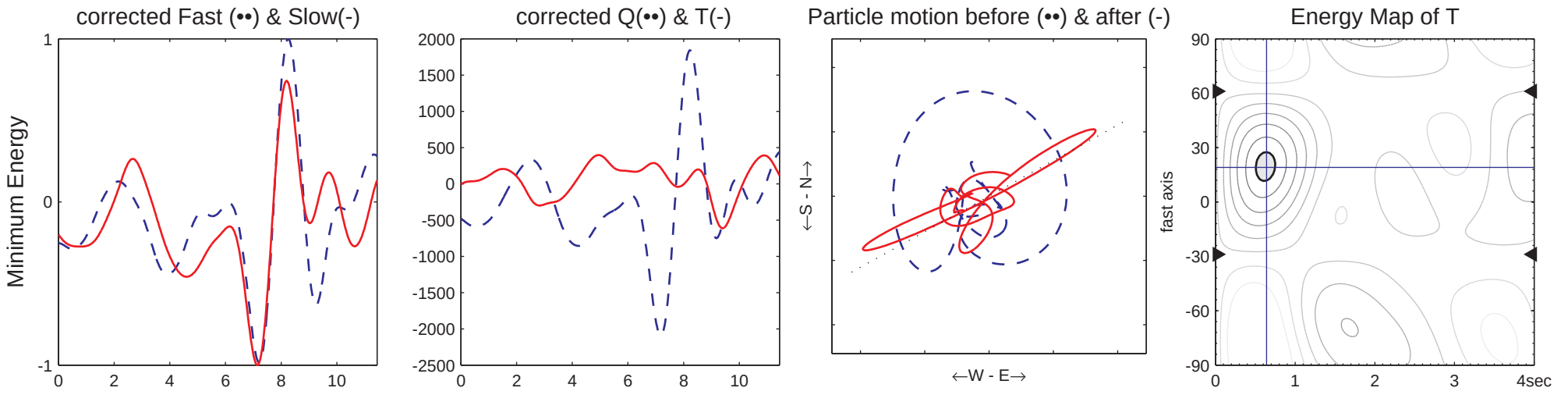
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **LADK** Backazimuth: **61.1”** Distance: **94.44”**
init.Pol.: **264.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.4**

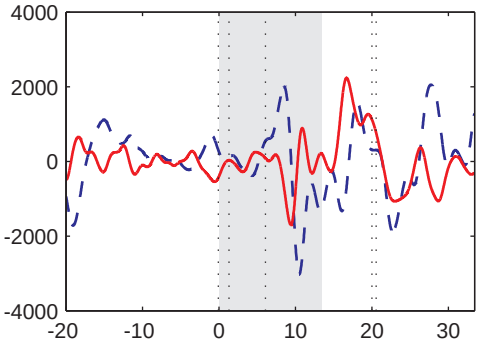
Rotation Correlation:	27<	35° <	44	0.6<0.6s<0.7
Minimum Energy:	11<	19° <	27	0.5<0.6s<0.8
Eigenvalue:	19<	39° <	60	0.5<0.6s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





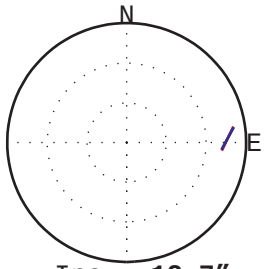




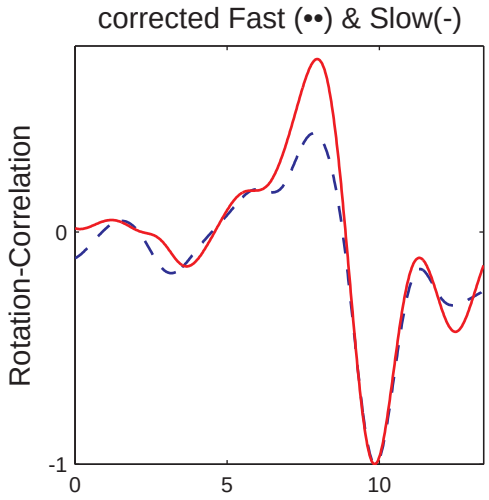
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **LADK** Backazimuth: **87.8”** Distance: **95.58”**
init.Pol.: **269.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**14.4**

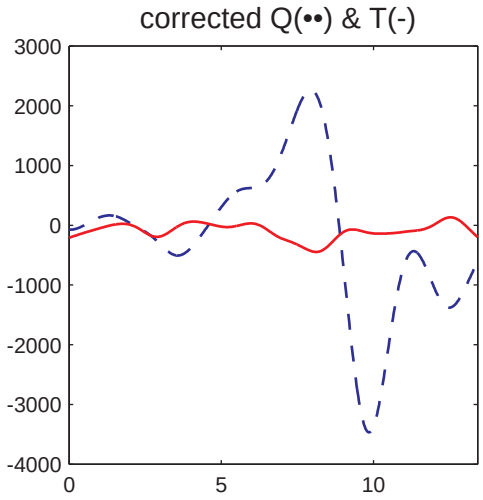
Rotation Correlation:	24<	29° <	40	0.6<0.8s<0.9
Minimum Energy:	21<	26° <	29	0.7<0.8s<1.0
Eigenvalue:	23<	28° <	35	0.7<0.8s<0.9

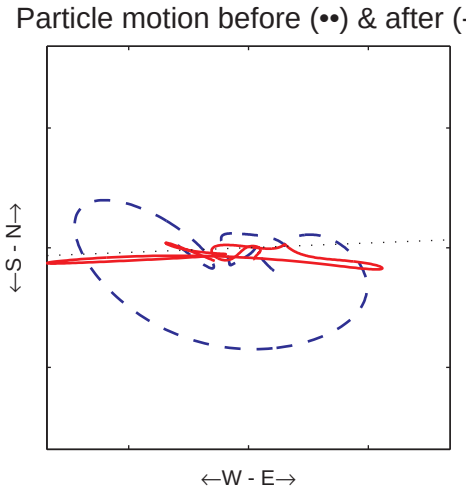
Quality: **good** IsNull: **No** Phase: **SKKS**

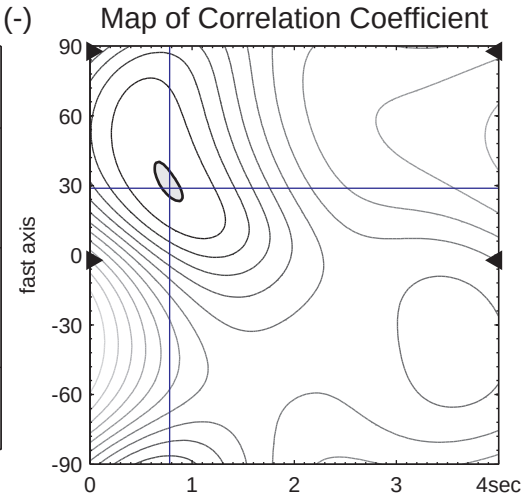


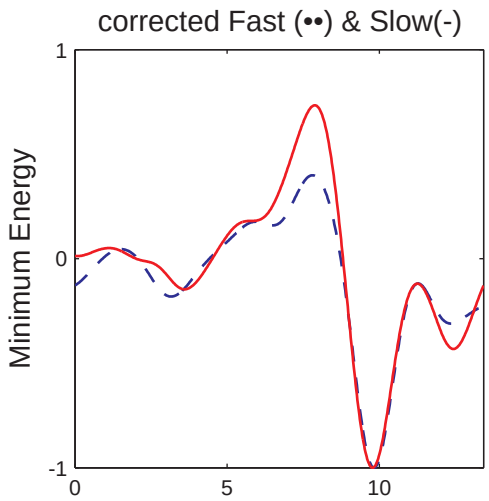
Inc = **12.7”**

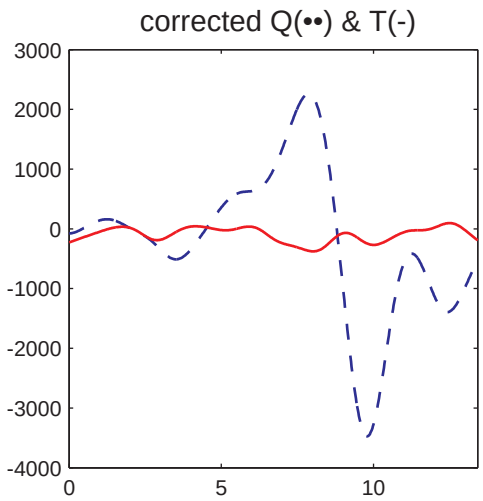


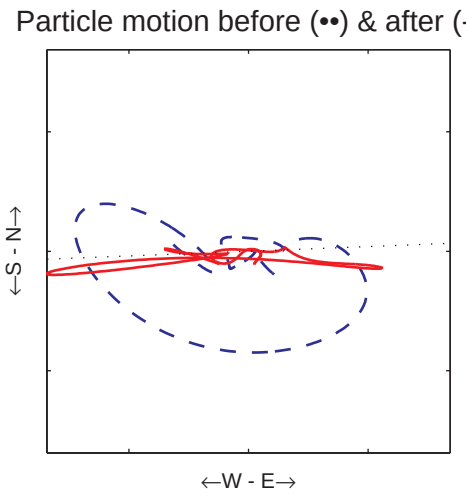


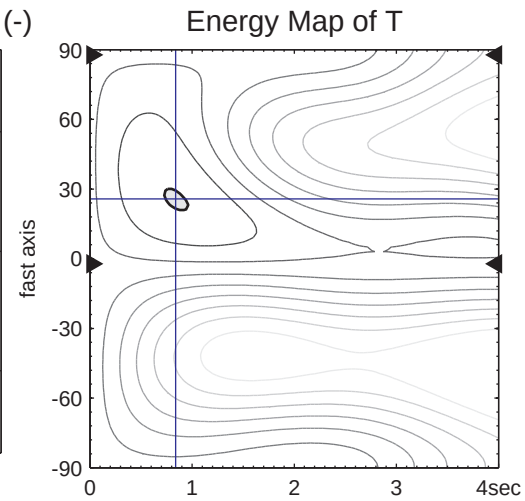


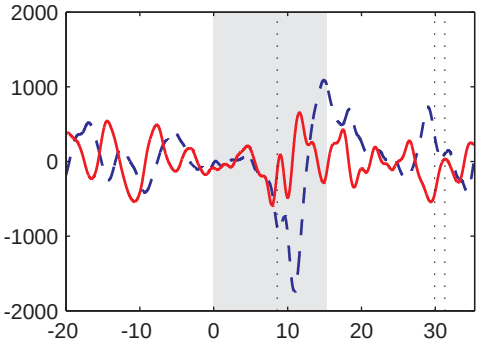








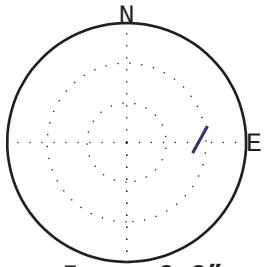


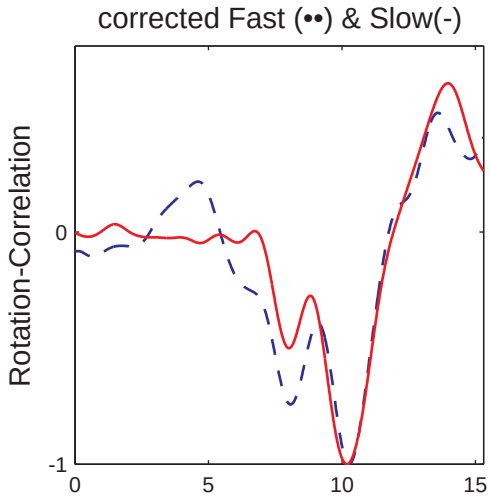


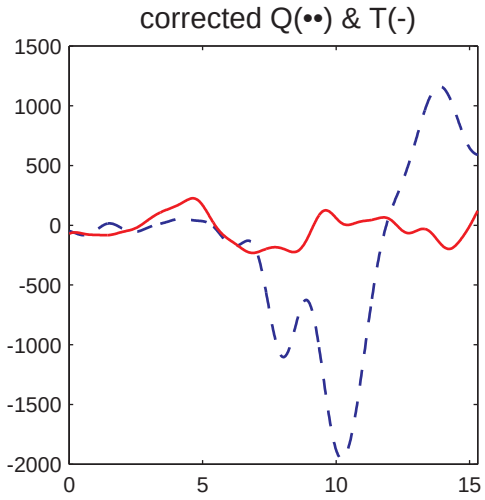
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **LADK** Backazimuth: **87.8”** Distance: **95.58”**
init.Pol.: **268.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.2**

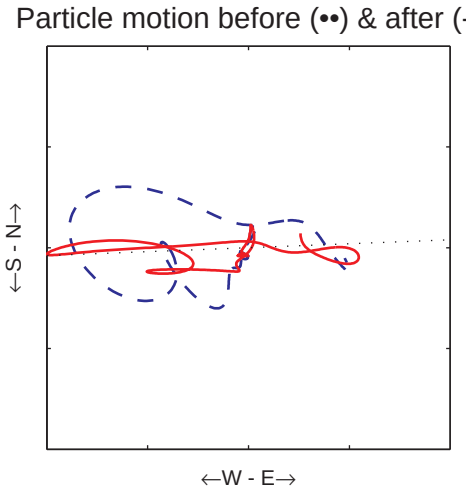
Rotation Correlation:	21<	29° <	42	0.7<0.9s<1.2
Minimum Energy:	19<	28° <	37	0.7<1.0s<1.2
Eigenvalue:	19<	30° <	41	0.7<1.0s<1.2

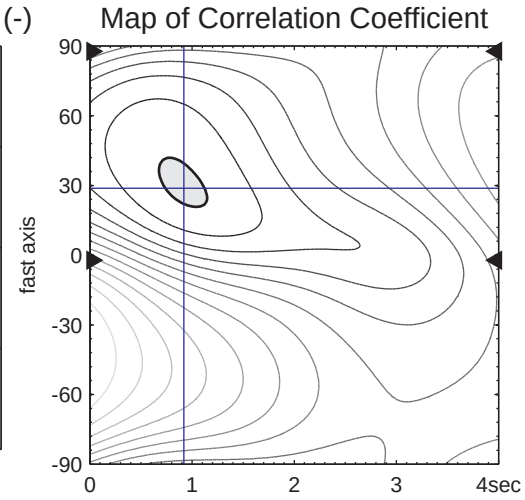
Quality: **good** IsNull: **No** Phase: **SKS**

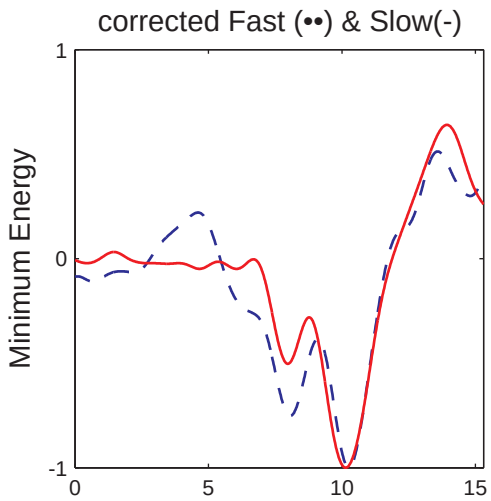


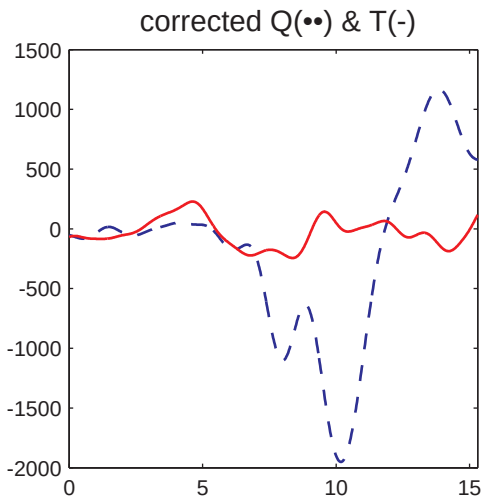


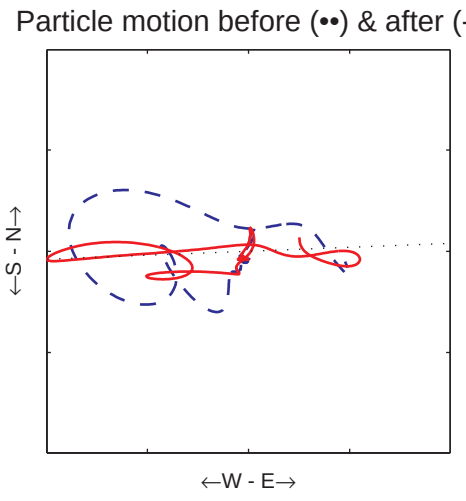


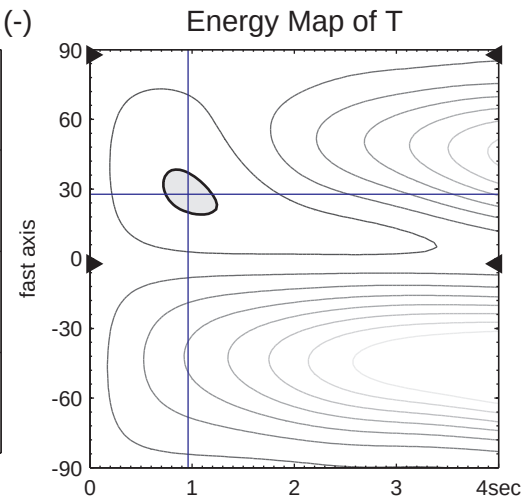


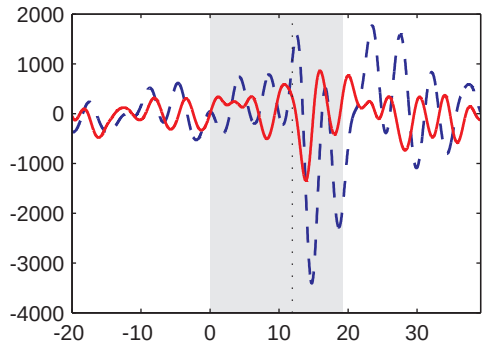








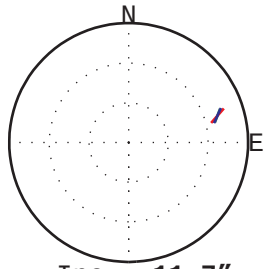




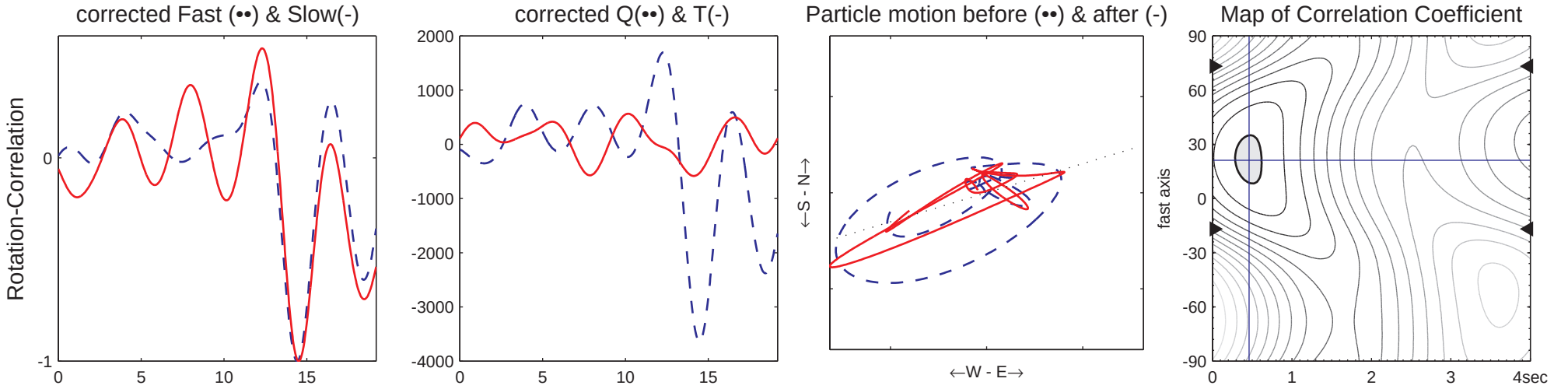
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **LADK** Backazimuth: **73.2”** Distance: **115.28”**
init.Pol.: **248.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

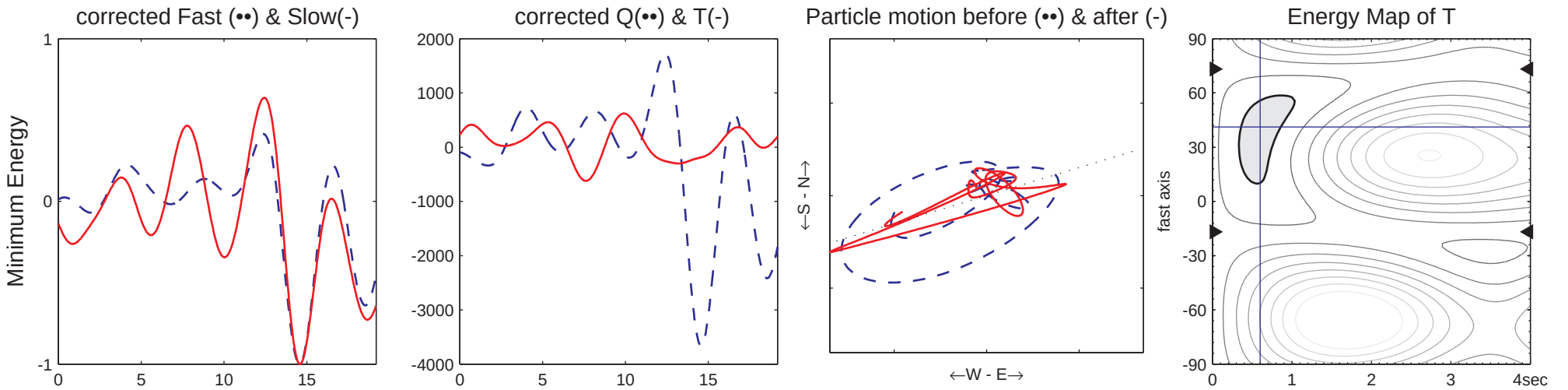
Rotation Correlation:	9<	21° <	35	0.3<0.5s<0.6
Minimum Energy:	9<	41° <	58	0.3<0.6s<1.0
Eigenvalue:	-19<	25° <	66	0.3<0.5s<1.2

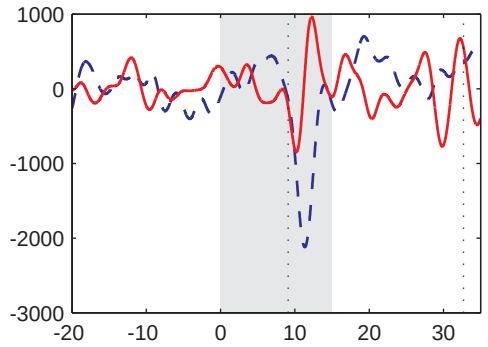
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.7”**



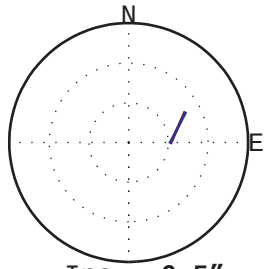




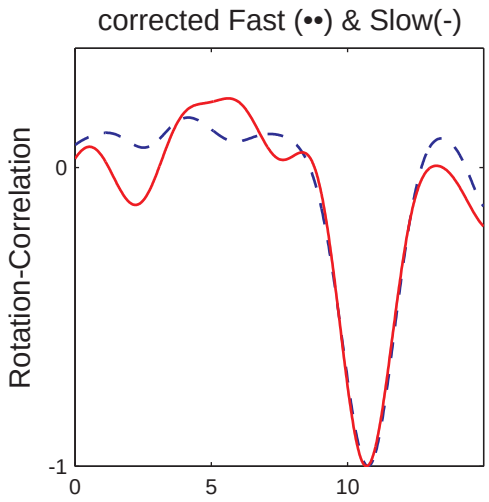
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **LADK** Backazimuth: **73.2”** Distance: **115.28”**
init.Pol.: **255.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.1**

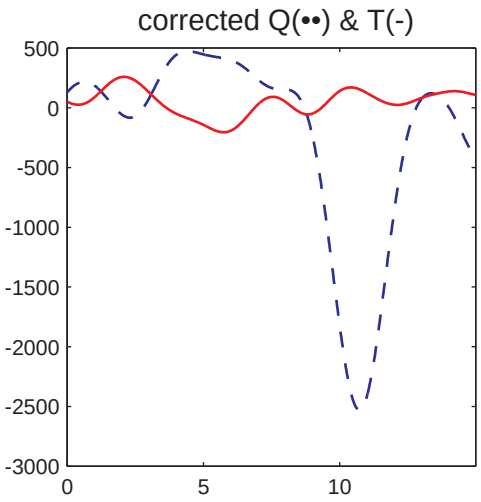
Rotation Correlation:	24<	28° <	34	1.0<1.1s<1.2
Minimum Energy:	17<	23° <	29	1.0<1.1s<1.2
Eigenvalue:	19<	25° <	33	1.0<1.1s<1.2

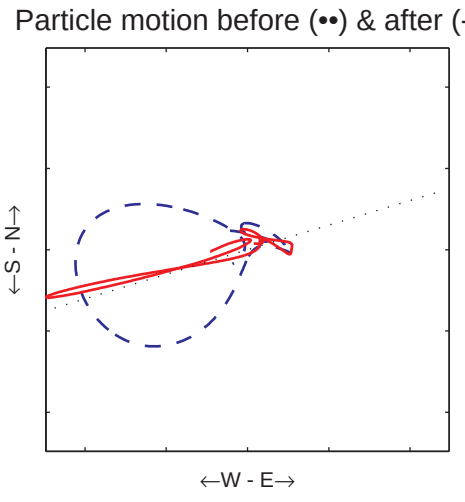
Quality: **good** IsNull: **No** Phase: **SKS**

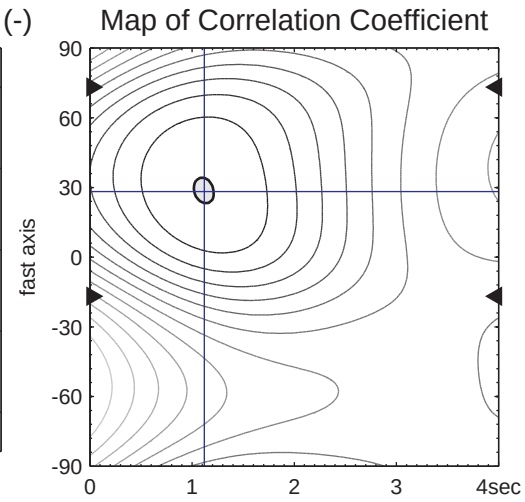


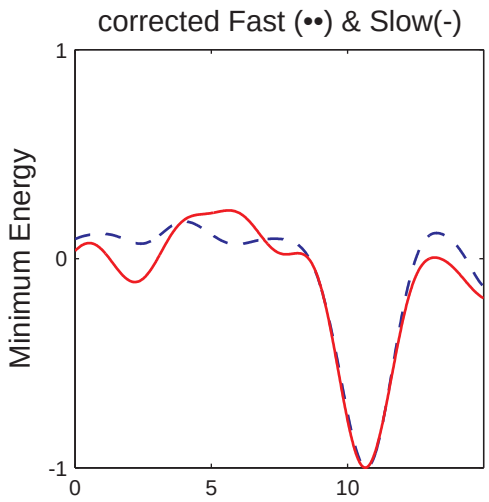
Inc = **6.5”**

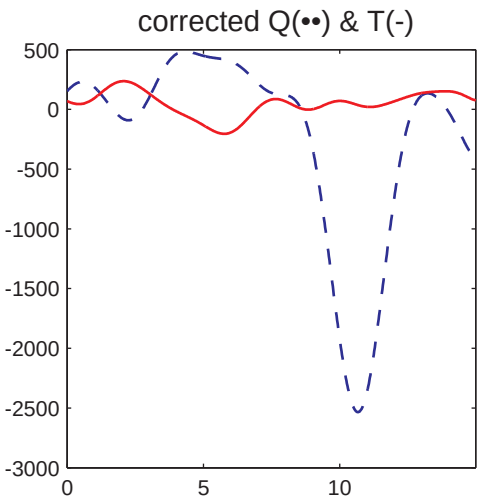


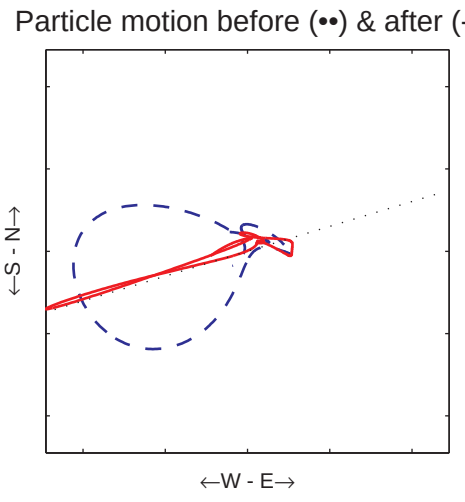


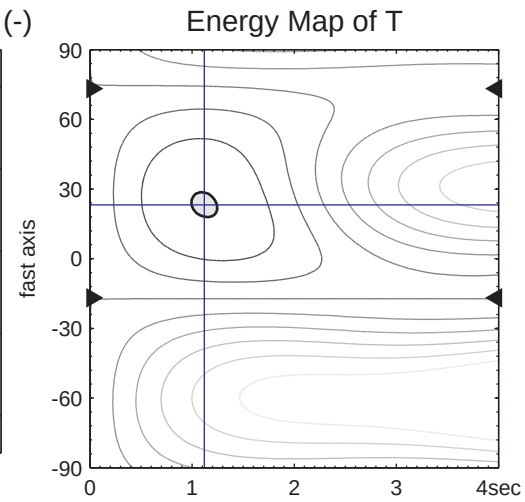


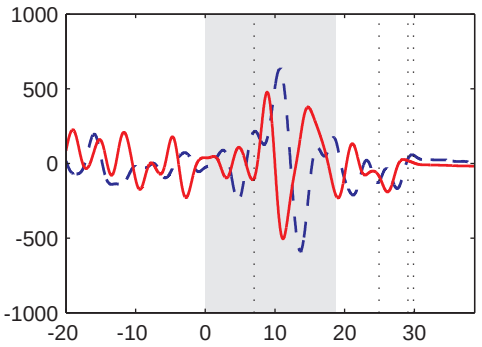








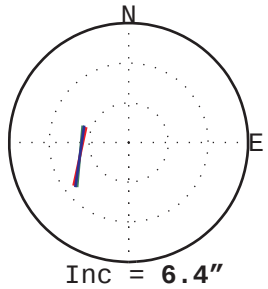


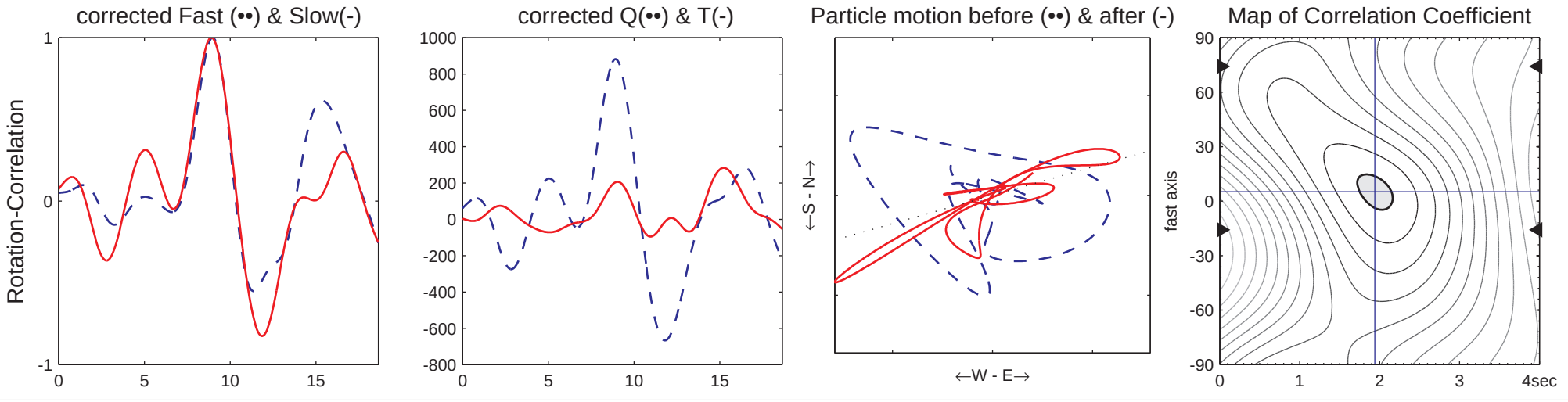


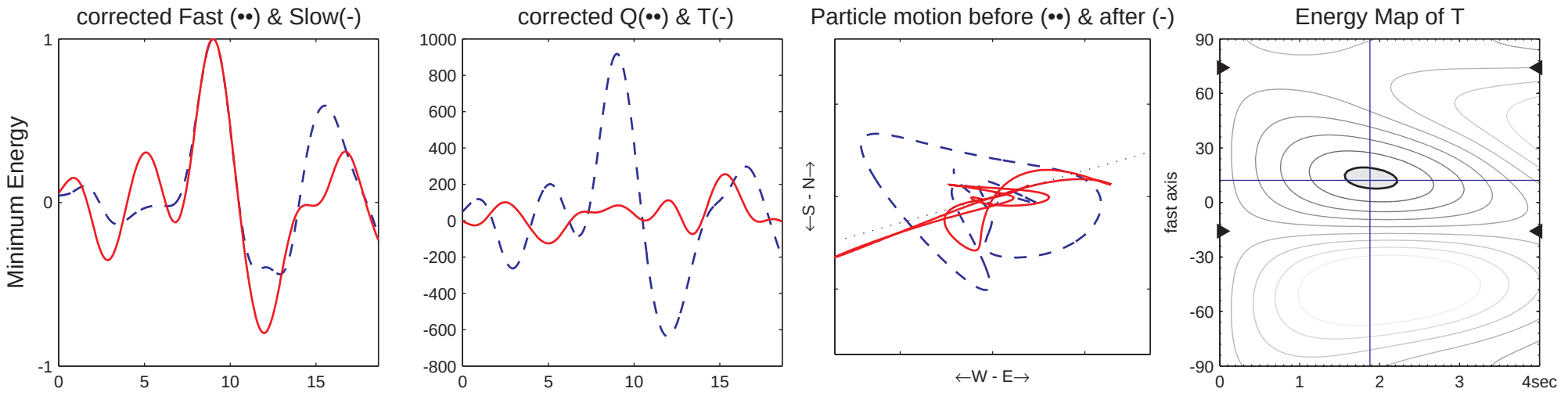
Event: **26-Mar-2010 (085) 14:52 -27.95N -70.82E 42km Mw=6.3**
Station: **LADK** Backazimuth: **254.2”** Distance: **116.63”**
init.Pol.: **68.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

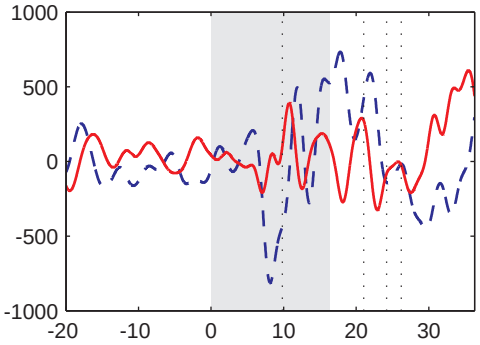
Rotation Correlation:	-5<	5° <	15	1.7<1.9s<2.2
Minimum Energy:	7<	12° <	19	1.6<1.9s<2.2
Eigenvalue:	-3<	8° <	21	1.6<2.0s<2.2

Quality: **good** IsNull: **No** Phase: **SKS**





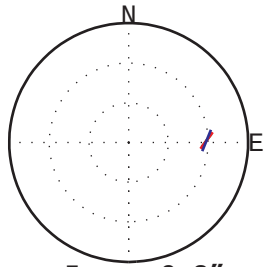


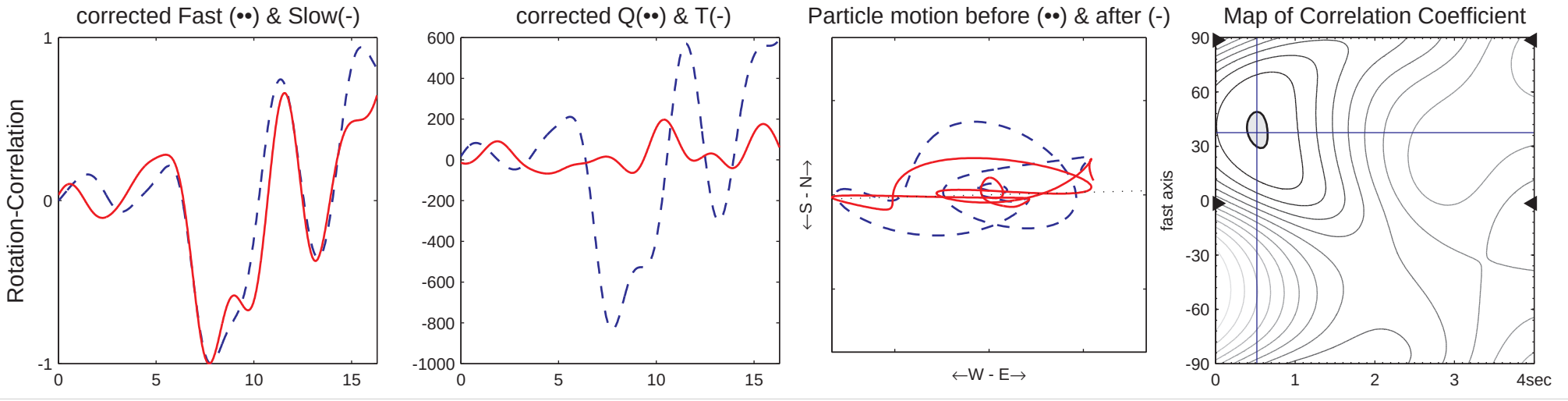


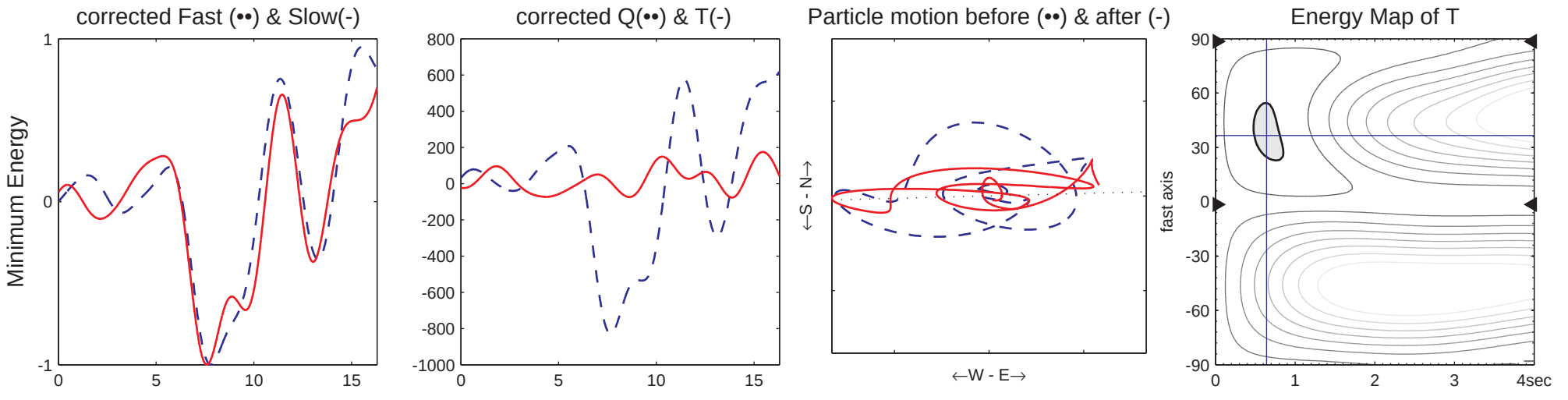
Event: **05-Apr-2010 (095) 10:05 -0.18N 125.01E 25km Mw=6.2**
Station: **LADK** Backazimuth: **88.5”** Distance: **92.19”**
init.Pol.: **262.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

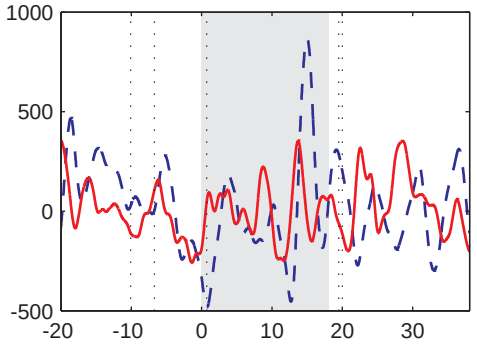
Rotation Correlation:	29<	38° <	49	0.4<0.5s<0.6
Minimum Energy:	23<	37° <	54	0.5<0.6s<0.8
Eigenvalue:	11<	23° <	39	0.6<0.7s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





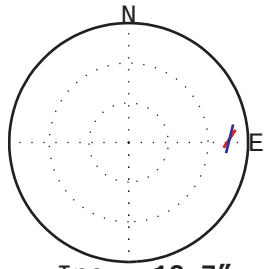




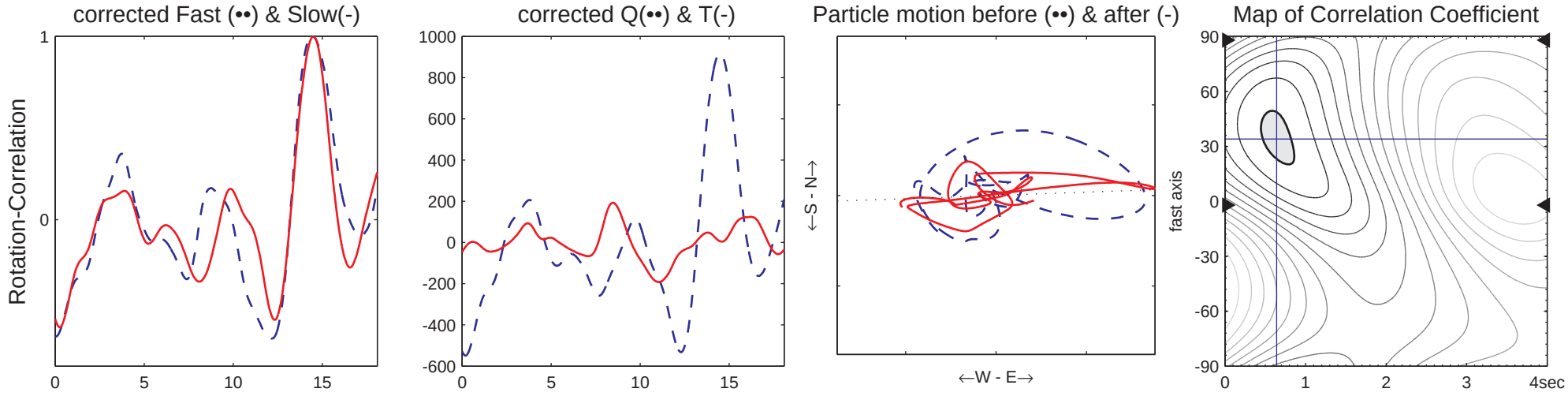
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **LADK** Backazimuth: **87.9”** Distance: **95.71”**
init.Pol.: **256.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

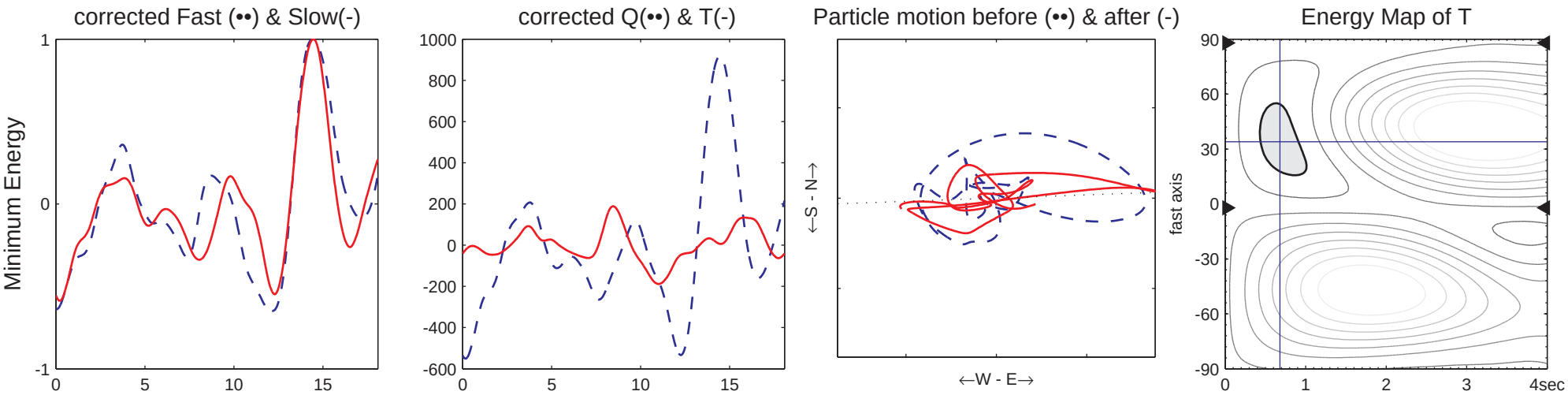
Rotation Correlation:	21<	34° <	50	0.4<0.6s<0.9
Minimum Energy:	15<	34° <	56	0.4<0.7s<1.0
Eigenvalue:	-1<	14° <	35	0.6<0.9s<1.3

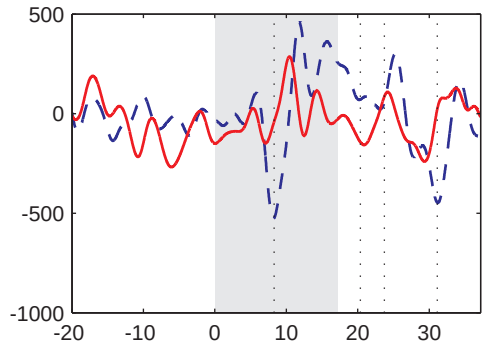
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.7”**



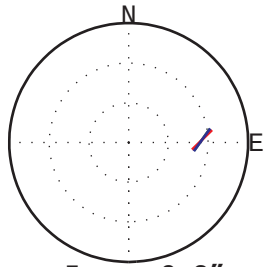




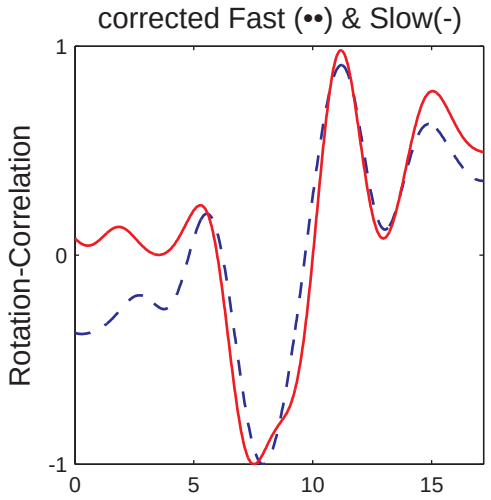
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **LADK** Backazimuth: **87.9”** Distance: **95.71”**
init.Pol.: **263.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.7**

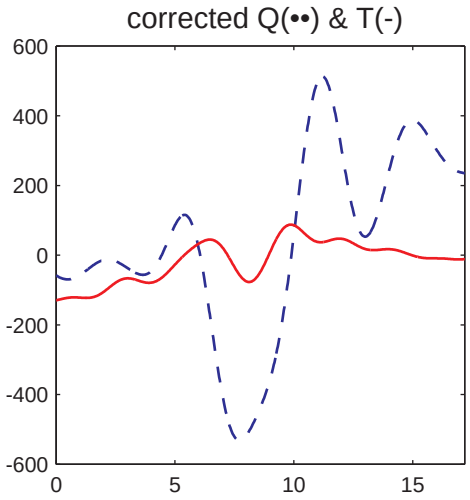
Rotation Correlation:	25<	35° <	48	0.6<0.8s<1.0
Minimum Energy:	27<	46° <	62	0.6<0.9s<1.2
Eigenvalue:	15<	36° <	60	0.6<0.9s<1.2

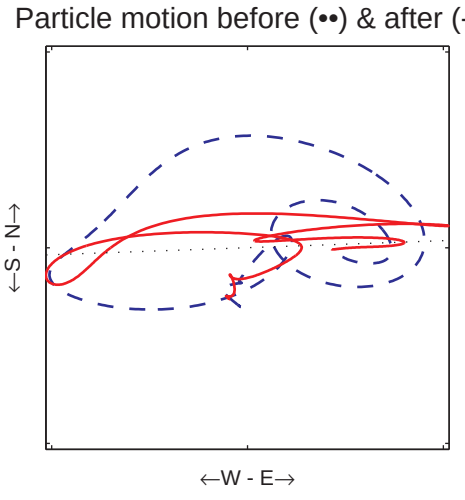
Quality: **fair** IsNull: **No** Phase: **SKS**

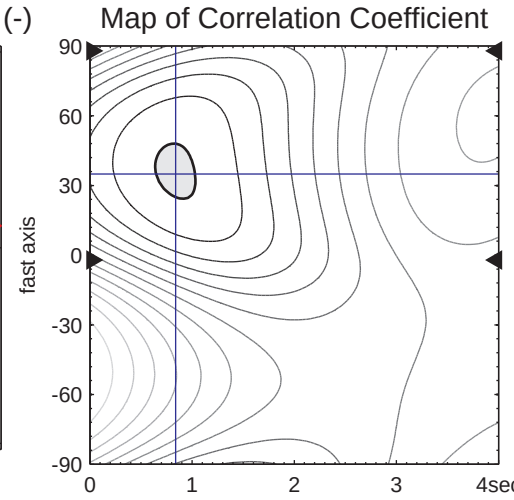


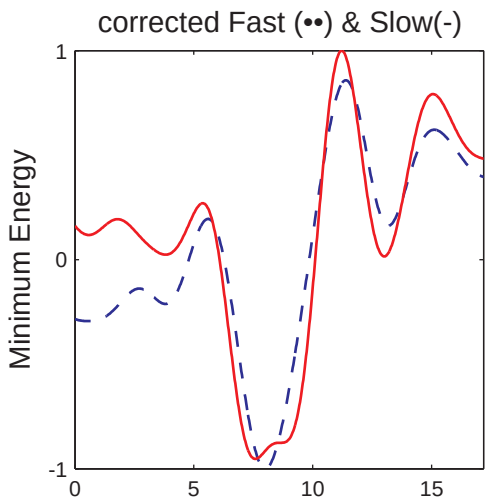
Inc = **9.2”**

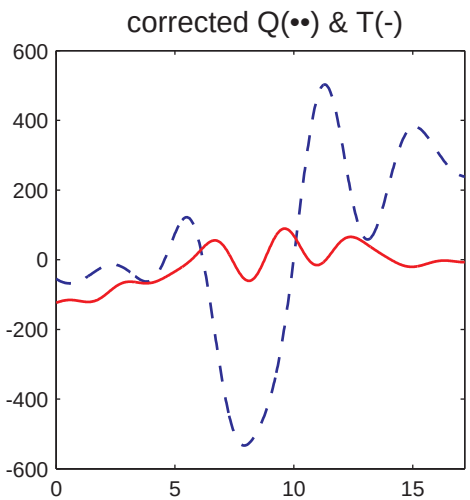


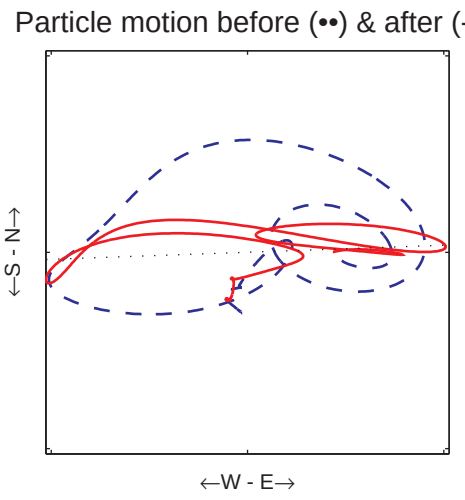


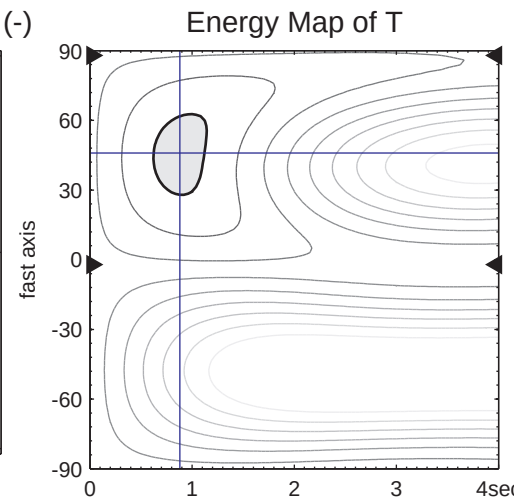


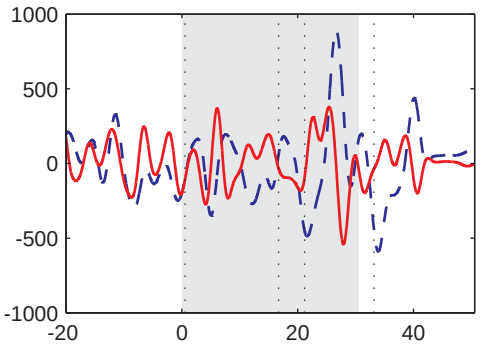








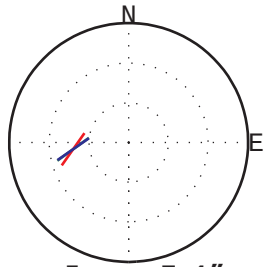


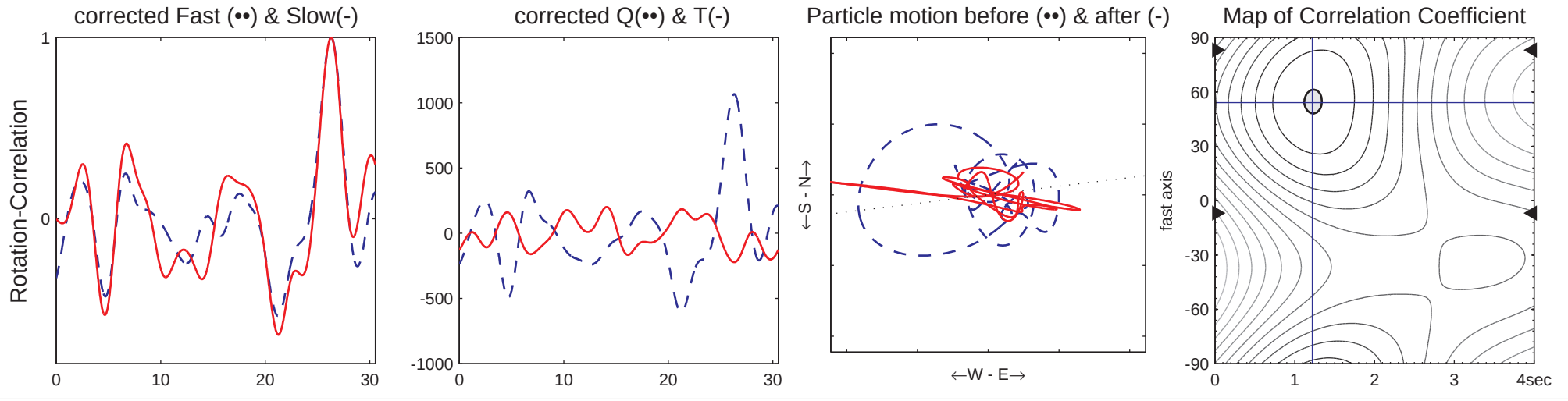


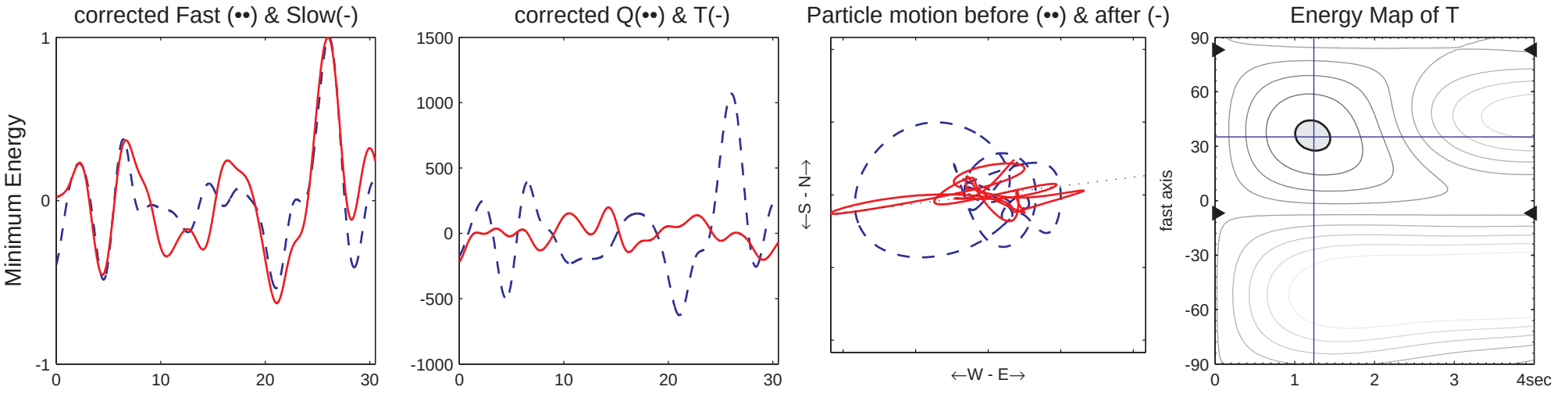
Event: **06-May-2010 (126) 02:42 -18.06N -70.55E 37km Mw=6.2**
Station: **LADK** Backazimuth: **263.1”** Distance: **111.02”**
init.Pol.: **99.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

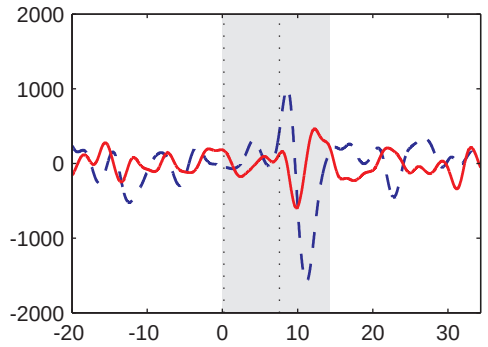
Rotation Correlation:	48<	54° <	61	1.1<1.2s<1.3
Minimum Energy:	27<	35° <	43	1.0<1.2s<1.4
Eigenvalue:	43<	55° <	68	1.0<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





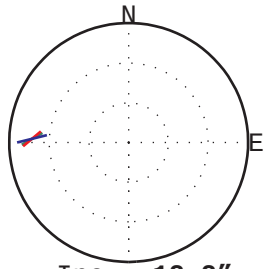




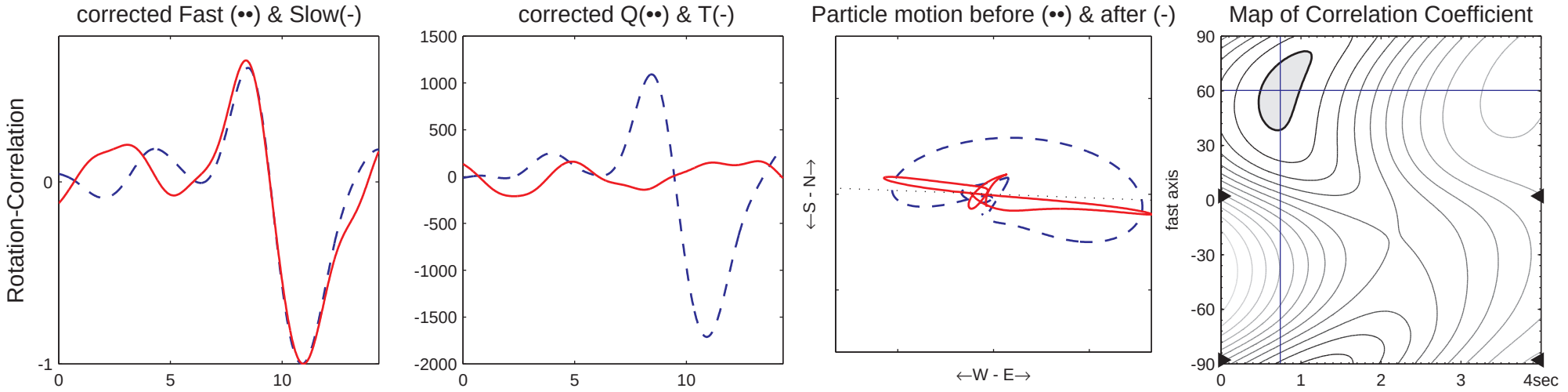
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **LADK** Backazimuth: **272.2”** Distance: **105.91”**
init.Pol.: **103.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

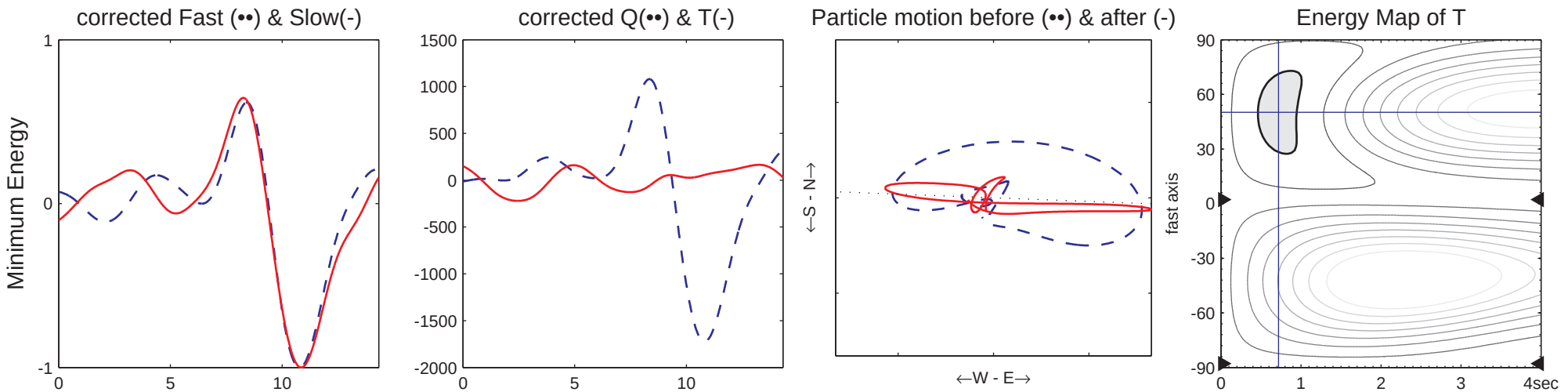
Rotation Correlation:	39<	60° <	82	0.5<0.7s<1.1
Minimum Energy:	27<	50° <	74	0.5<0.7s<1.0
Eigenvalue:	48<	76° <	-90	0.6<1.0s<1.4

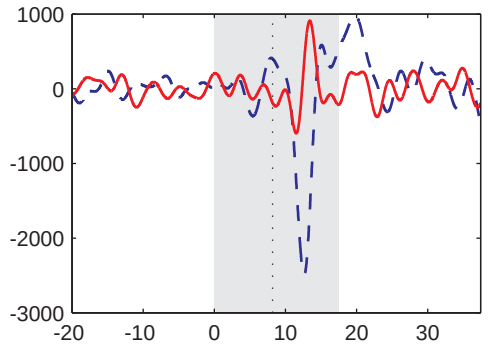
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.2”**



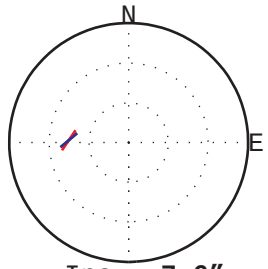


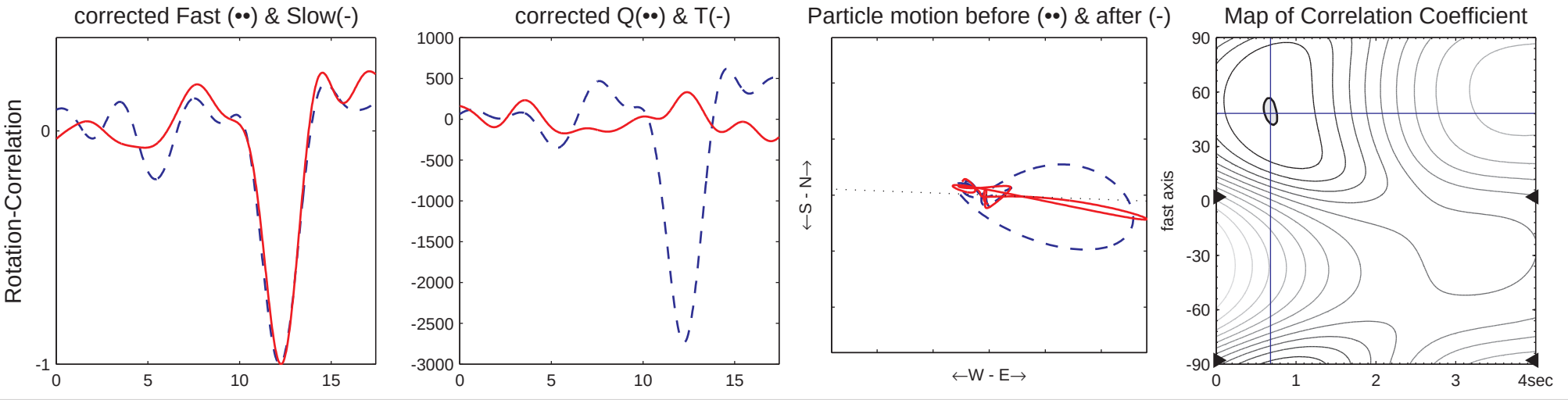


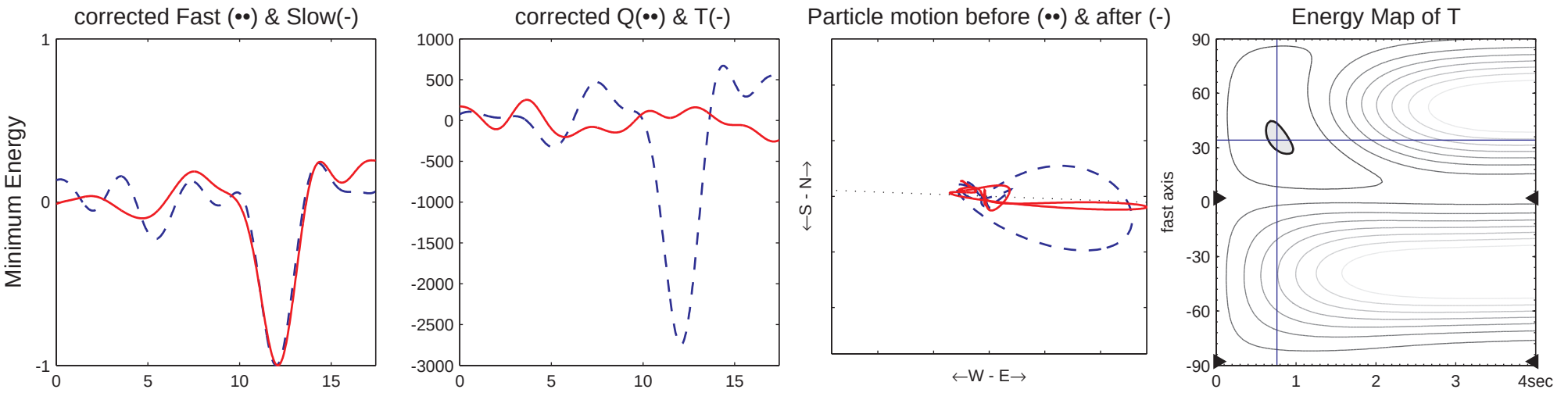
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **LADK** Backazimuth: **272.2”** Distance: **105.91”**
init.Pol.: **99.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.6**

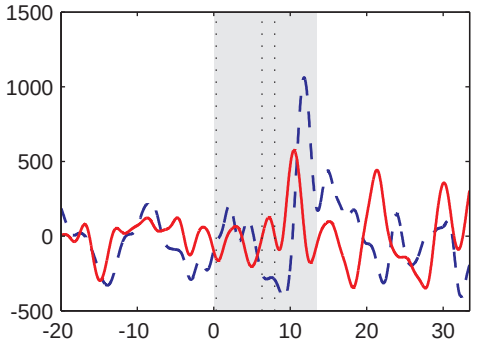
Rotation Correlation:	42<	48° <	57	0.6<0.7s<0.8
Minimum Energy:	27<	34° <	46	0.6<0.8s<1.0
Eigenvalue:	39<	50° <	68	0.6<0.7s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





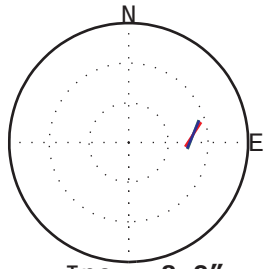




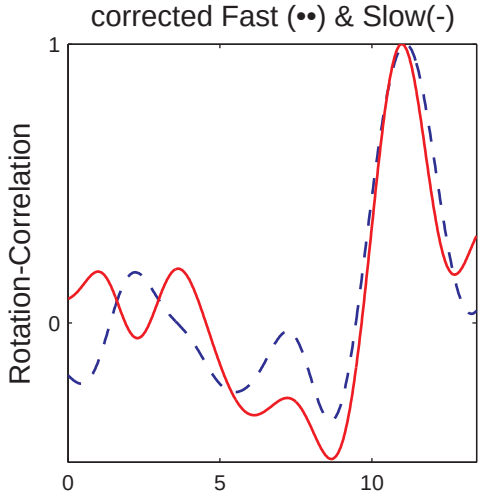
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **LADK** Backazimuth: **83.0”** Distance: **102.67”**
init.Pol.: **256.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

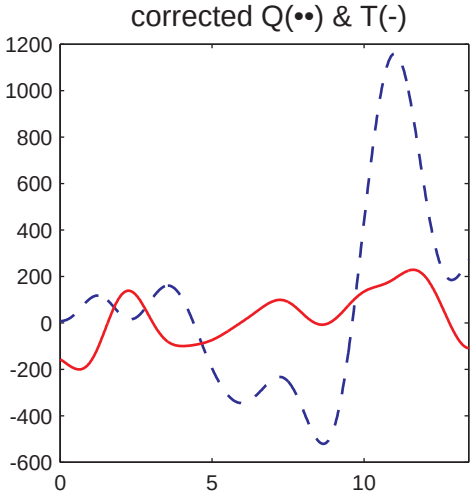
Rotation Correlation:	13<	21° <	32	0.8<1.0s<1.1
Minimum Energy:	21<	33° <	48	0.7<0.9s<1.2
Eigenvalue:	7<	23° <	41	0.8<1.0s<1.2

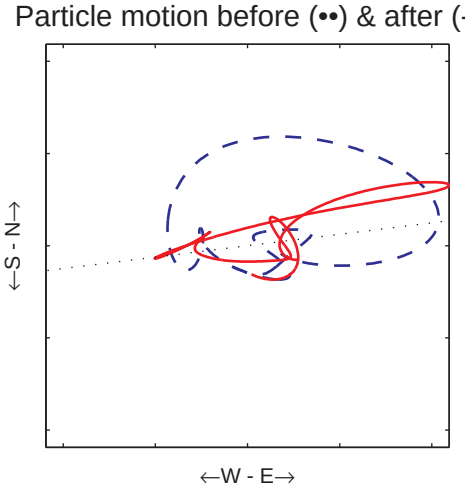
Quality: **fair** IsNull: **No** Phase: **SKS**

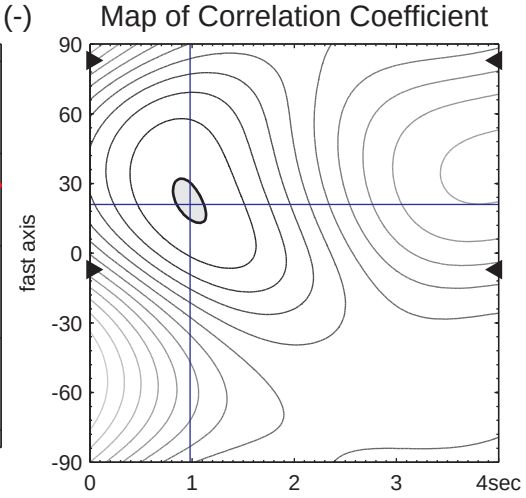


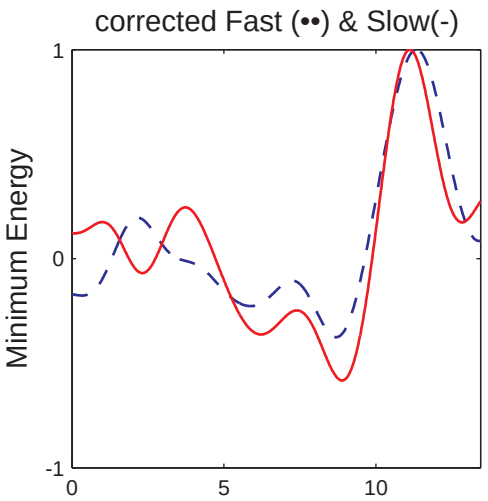
Inc = **8.2”**

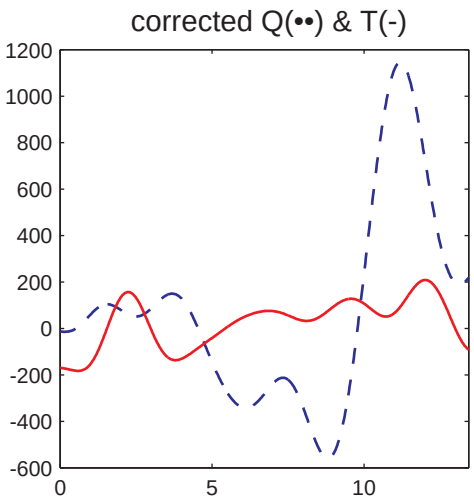


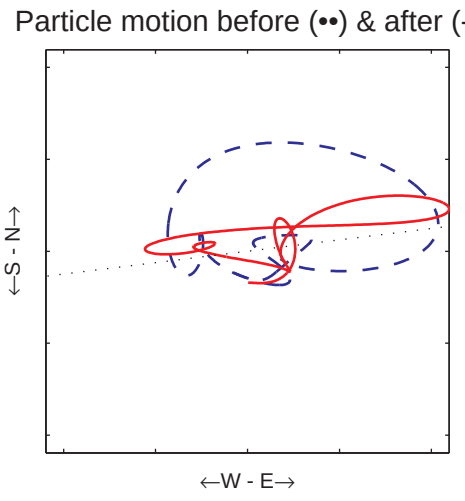


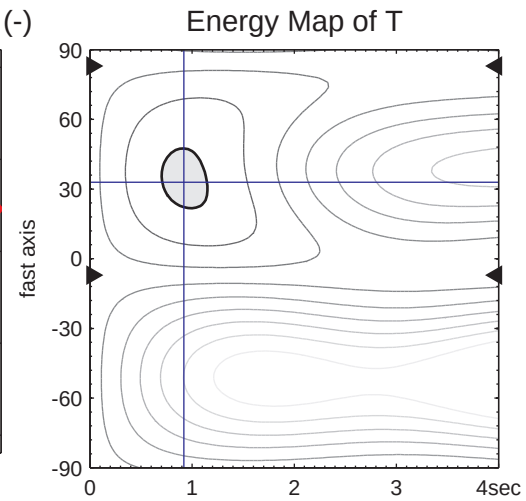


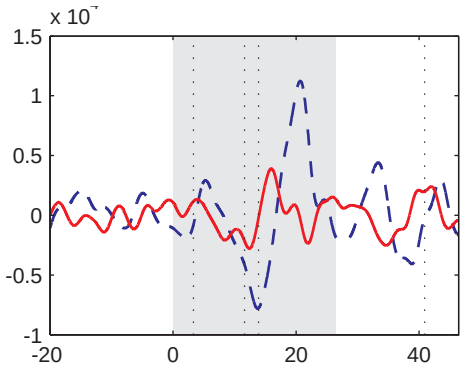








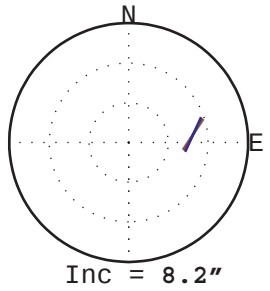


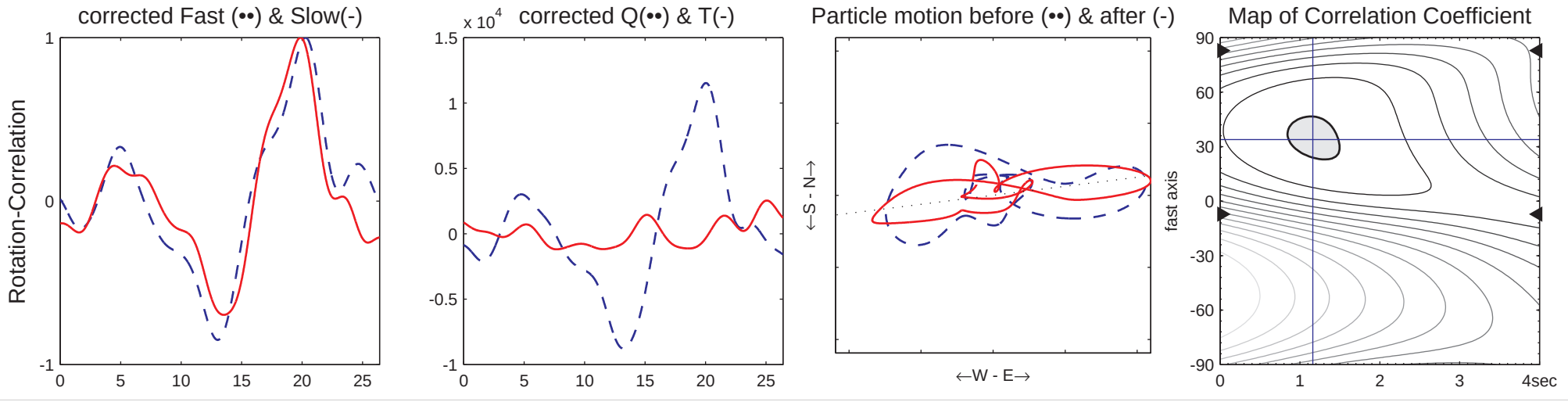


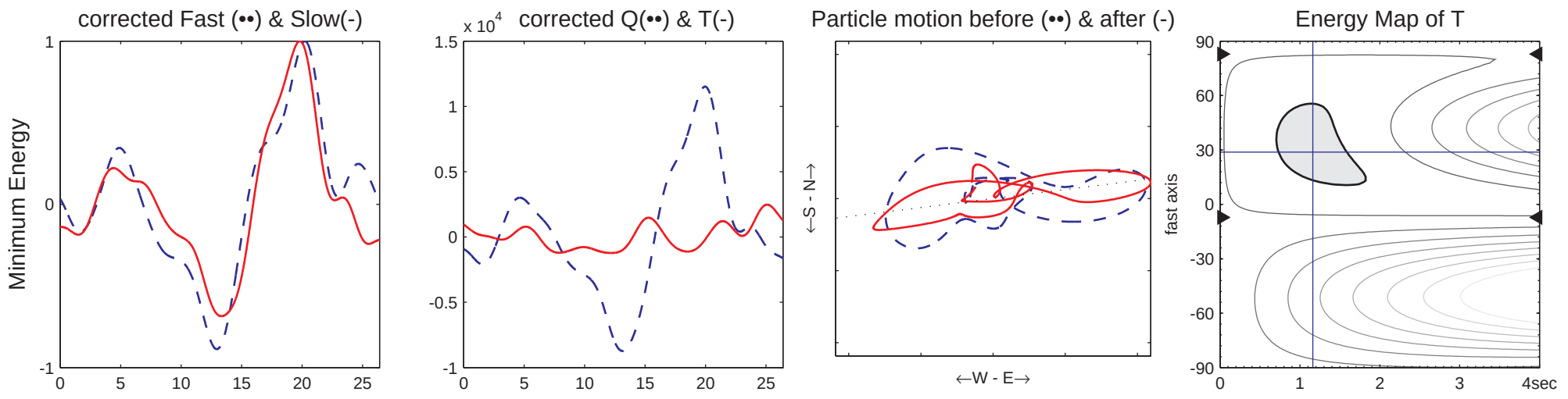
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **LADK** Backazimuth: **82.8”** Distance: **102.46”**
init.Pol.: **261.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.8**

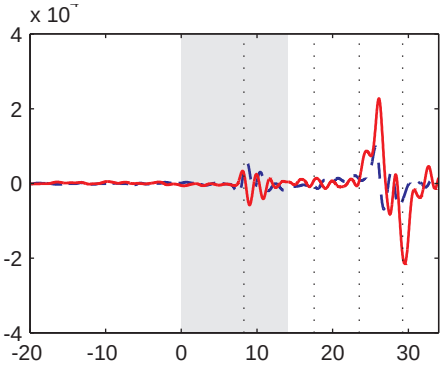
Rotation Correlation:	23<	34° <	47	0.8<1.2s<1.5
Minimum Energy:	11<	29° <	56	0.7<1.2s<1.8
Eigenvalue:	3<	25° <	60	0.7<1.2s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





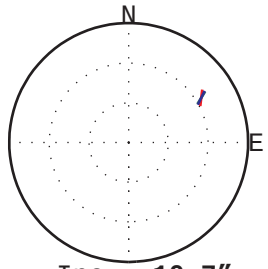




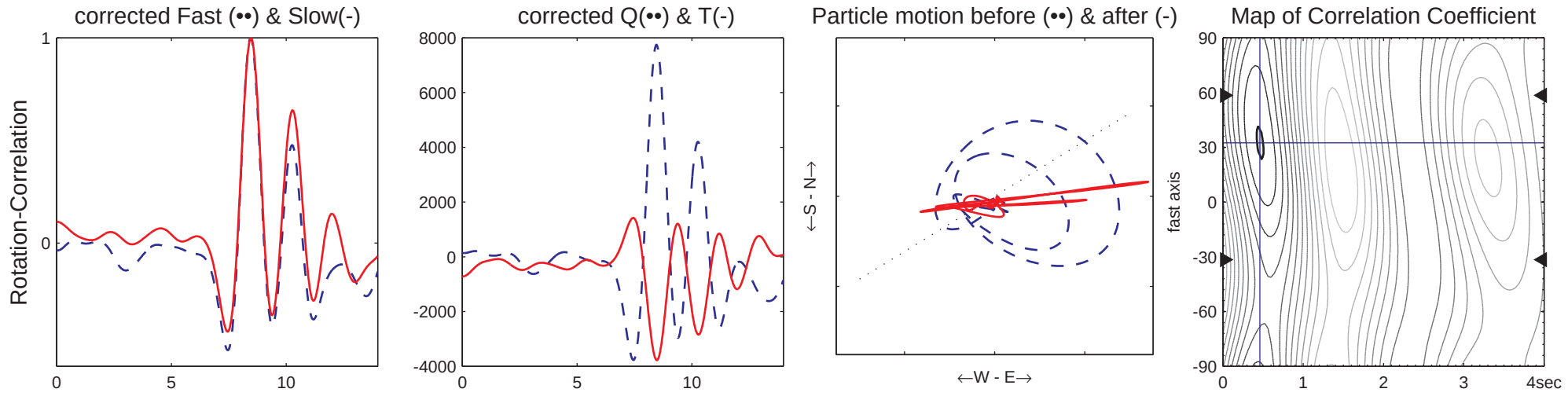
Event: **12-Jan-2011 (012) 21:32 26.97N 139.88E 512km Mw=6.4**
Station: **LADK** Backazimuth: **58.4”** Distance: **86.00”**
init.Pol.: **259.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.8**

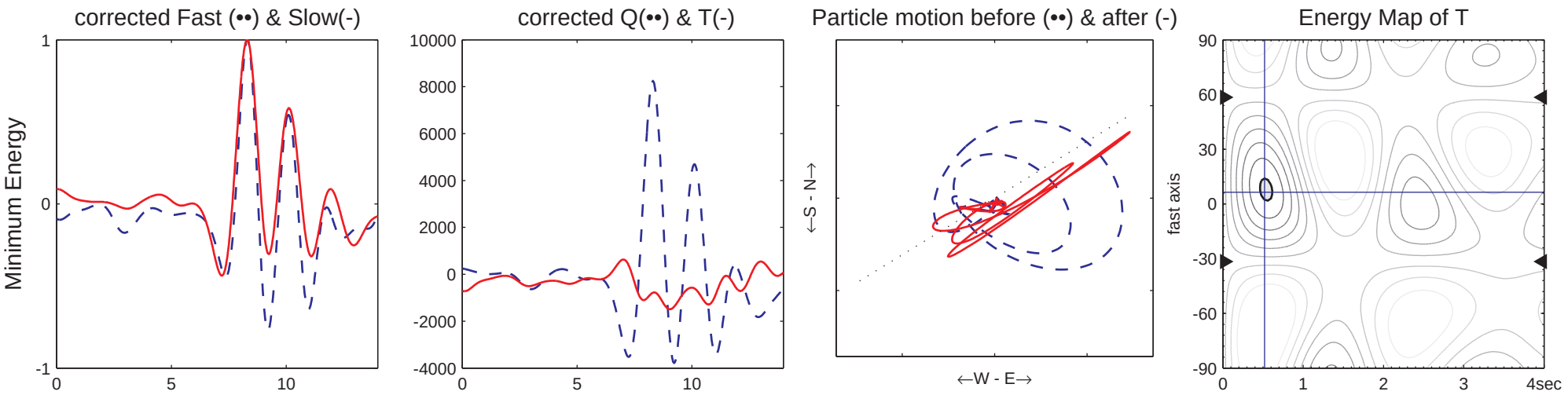
Rotation Correlation:	24<	32° <	42	0.4<0.5s<0.5
Minimum Energy:	1<	6° <	13	0.5<0.5s<0.6
Eigenvalue:	23<	26° <	33	0.4<0.5s<0.5

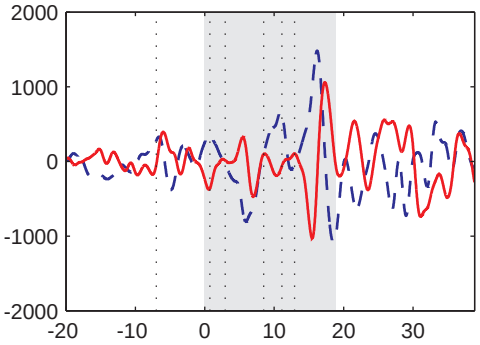
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



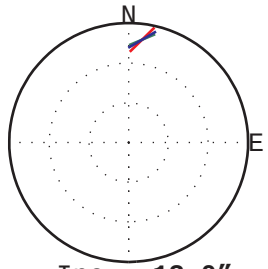




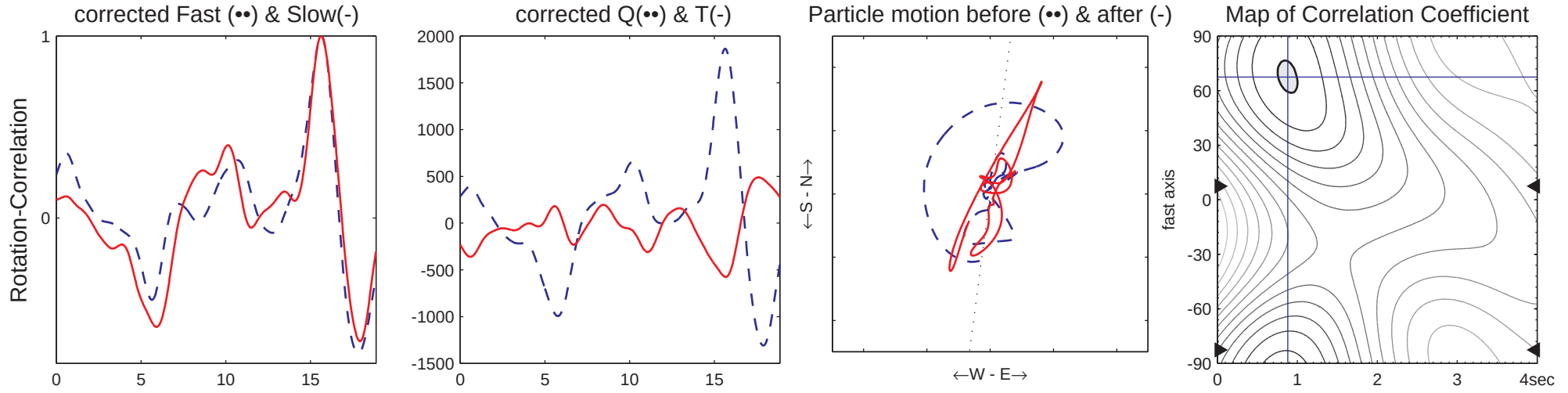
Event: **05-May-2011 (125) 16:57 55.02N -160.69E 36km Mw=5.8**
Station: **LADK** Backazimuth: **7.5”** Distance: **86.11”**
init.Pol.: **199.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.9**

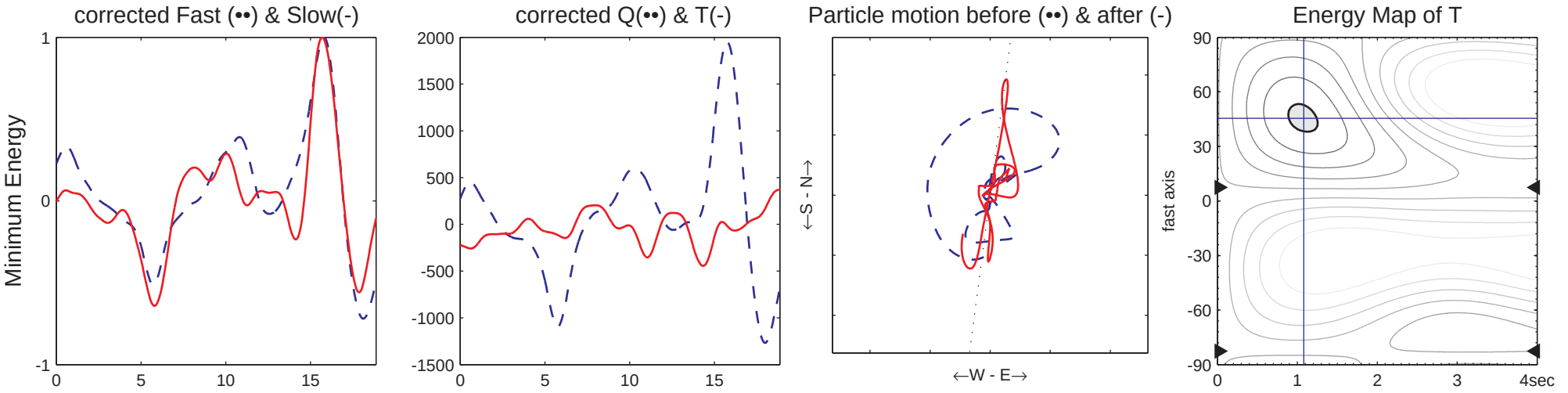
Rotation Correlation:	59<	67° <	77	0.8<0.9s<1.0
Minimum Energy:	37<	45° <	54	0.9<1.1s<1.2
Eigenvalue:	50<	59° <	72	0.8<1.0s<1.1

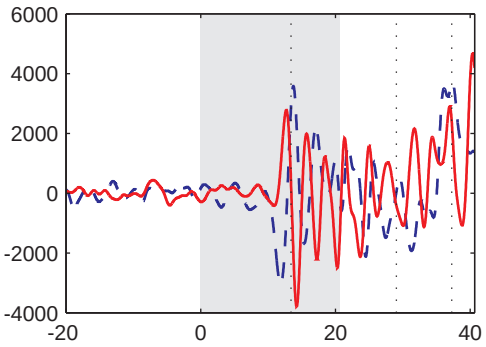
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



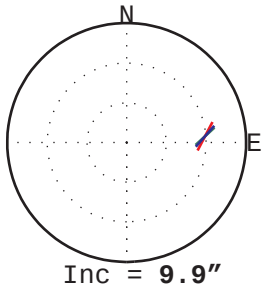


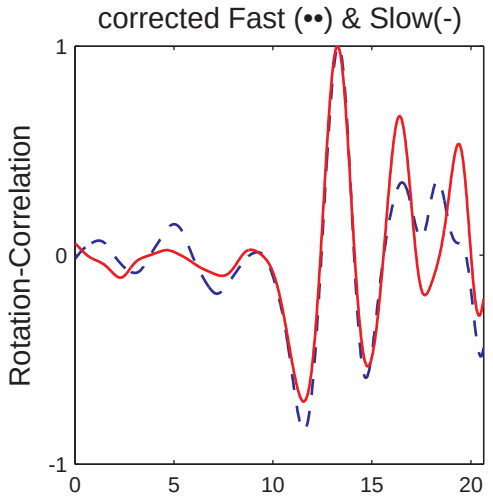


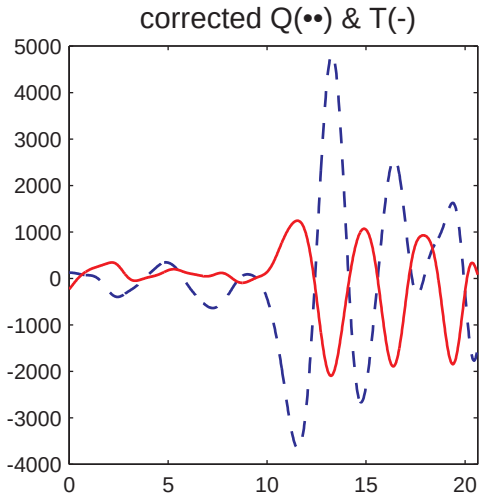
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **LADK** Backazimuth: **85.5”** Distance: **91.66”**
init.Pol.: **285.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.0**

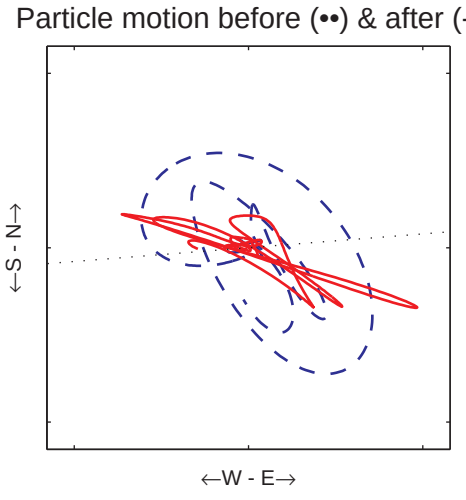
Rotation Correlation:	40<	47° <	60	0.6<0.8s<0.9
Minimum Energy:	23<	27° <	31	0.9<1.0s<1.2
Eigenvalue:	35<	41° <	52	0.7<0.9s<1.0

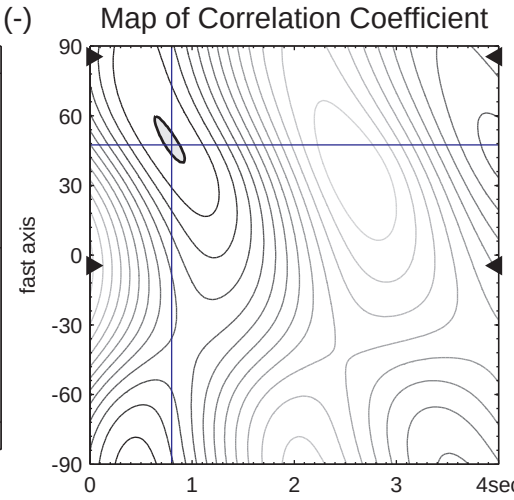
Quality: **fair** IsNull: **No** Phase: **SKS**

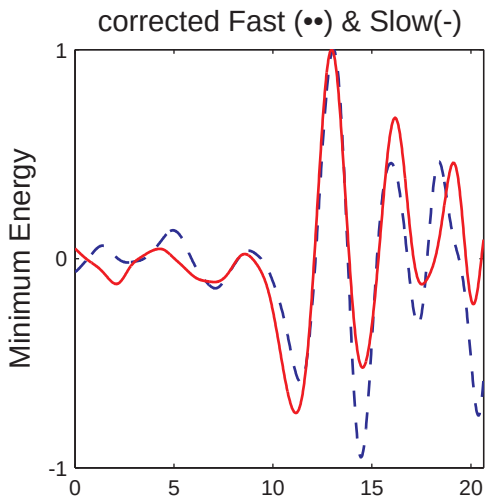


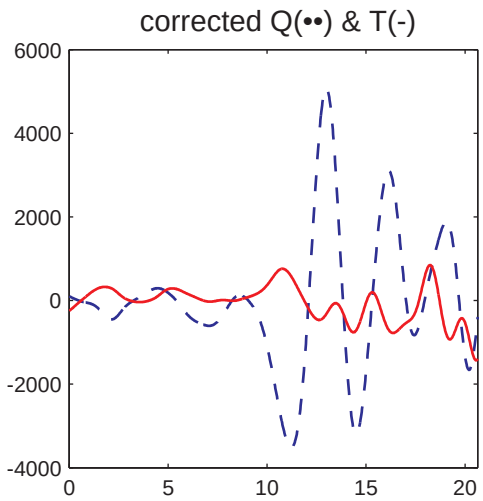


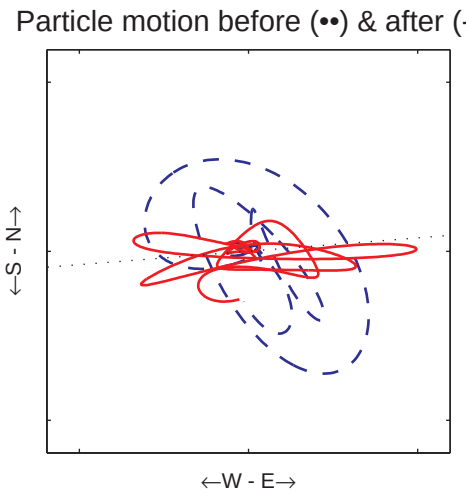


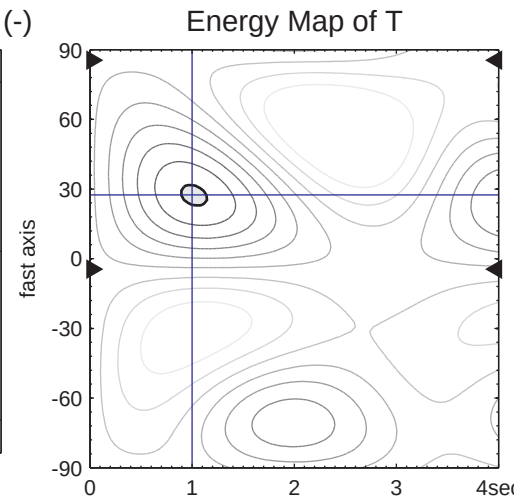


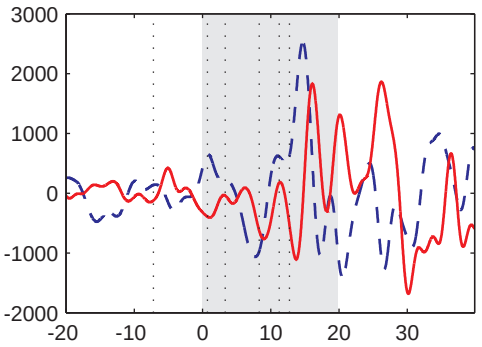








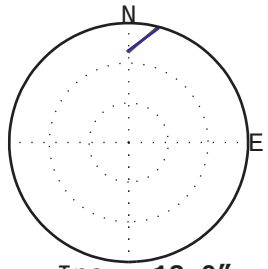




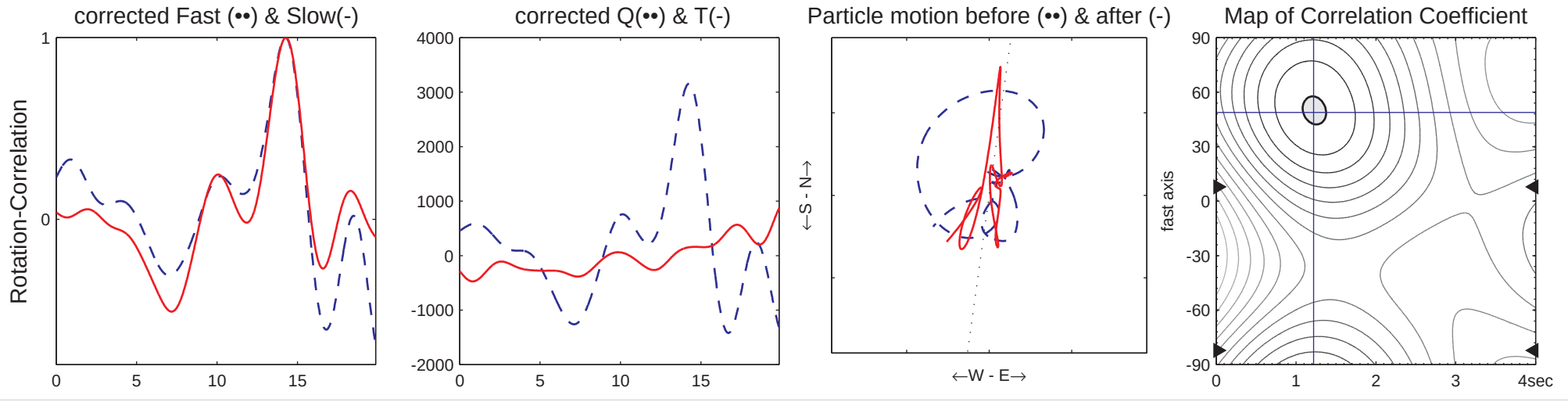
Event: **16-Jul-2011 (197) 19:59 54.79N -161.29E 36km Mw=6.1**
Station: **LADK** Backazimuth: **7.8”** Distance: **86.28”**
init.Pol.: **190.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.4**

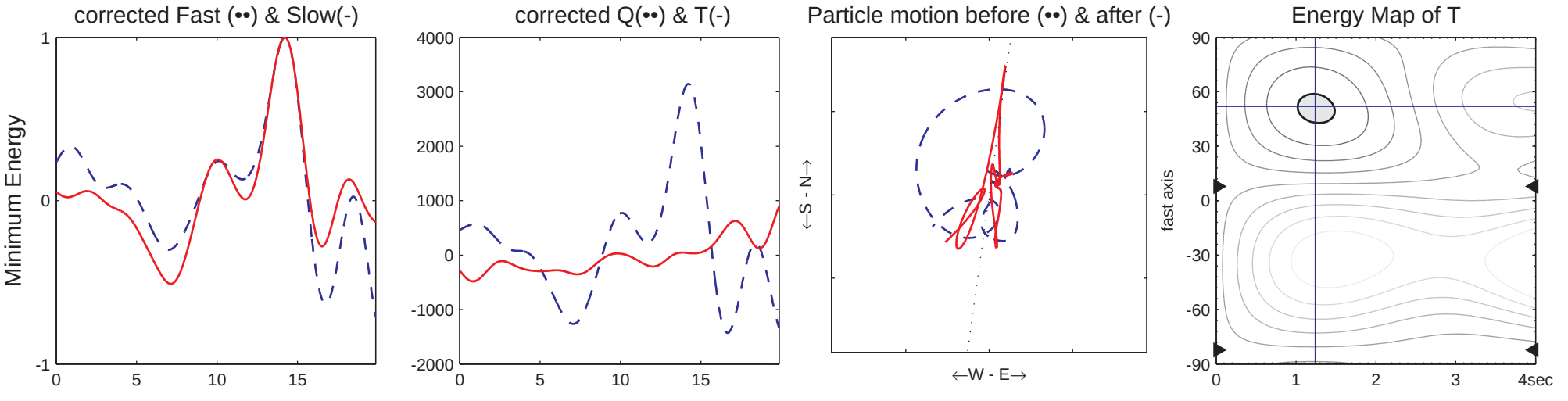
Rotation Correlation:	43<	49° <	58	1.1<1.2s<1.4
Minimum Energy:	43<	52° <	60	1.0<1.2s<1.5
Eigenvalue:	43<	54° <	68	1.0<1.2s<1.5

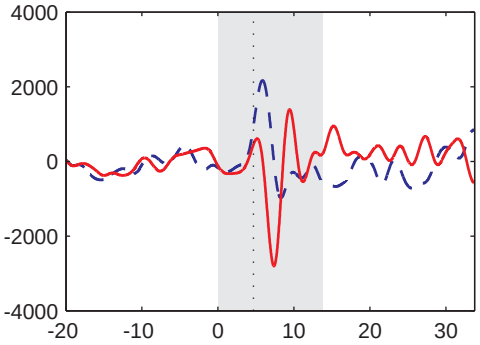
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



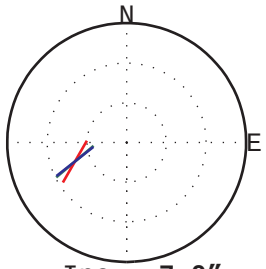




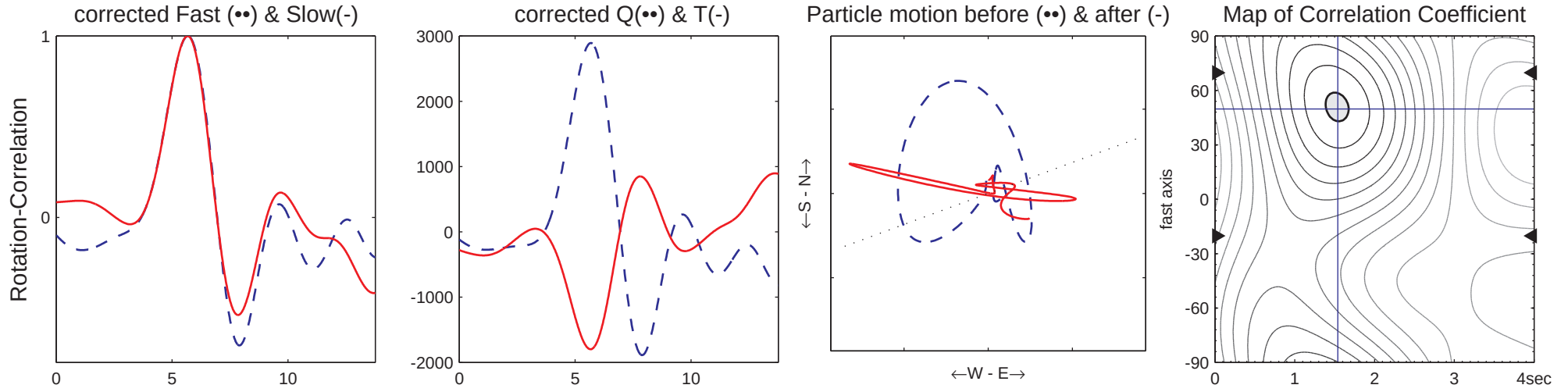
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **LADK** Backazimuth: **249.8”** Distance: **111.04”**
init.Pol.: **102.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

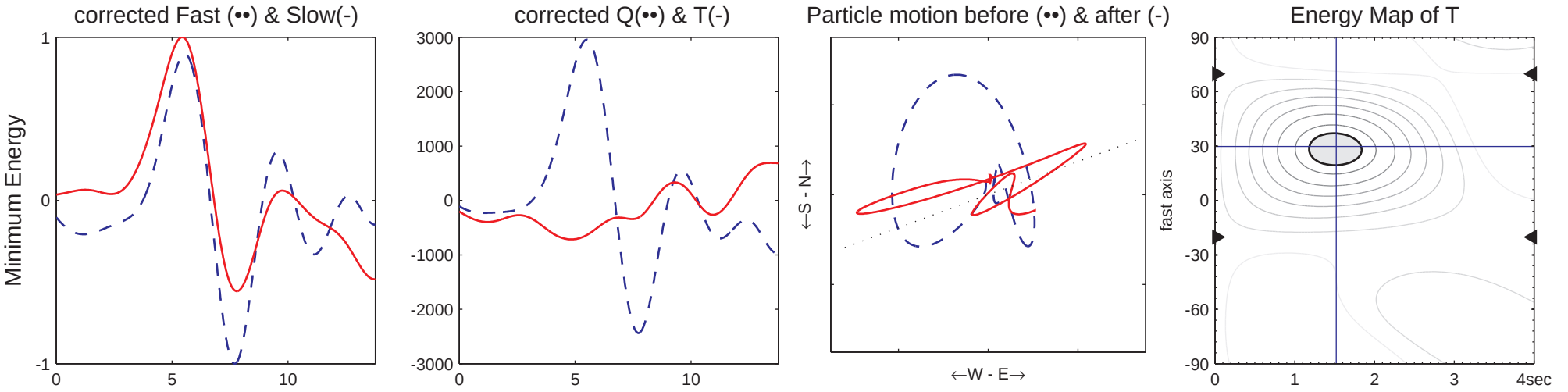
Rotation Correlation:	43<	50° <	59	1.4<1.5s<1.7
Minimum Energy:	19<	30° <	37	1.2<1.5s<1.8
Eigenvalue:	41<	52° <	60	1.3<1.5s<1.6

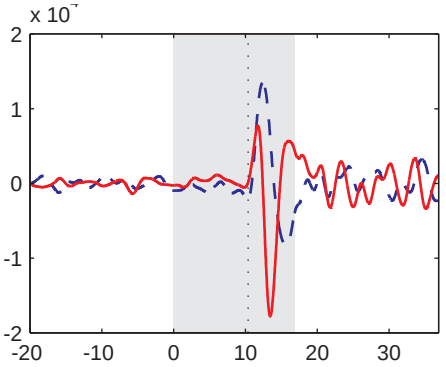
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



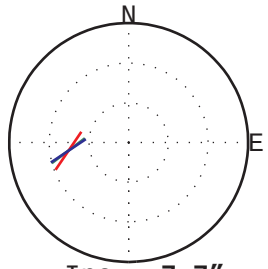


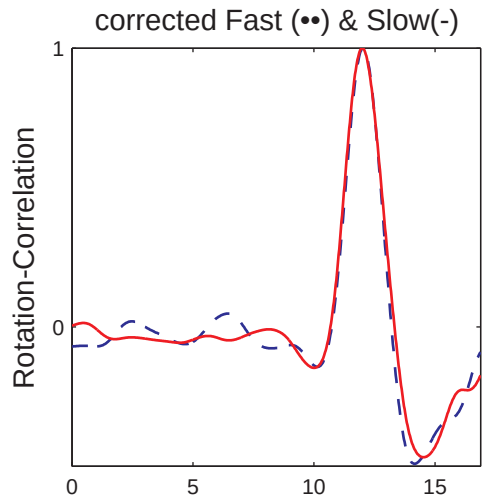


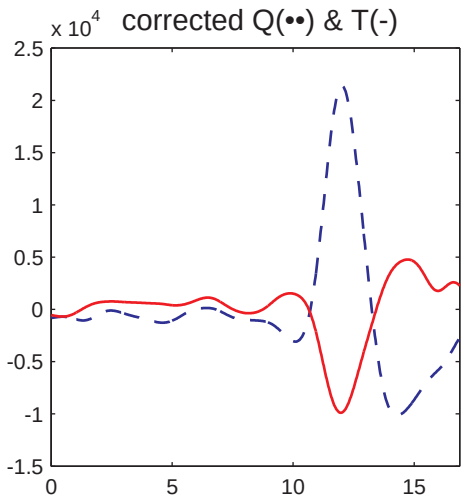
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **LADK** Backazimuth: **262.2”** Distance: **105.20”**
init.Pol.: **109.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.2**

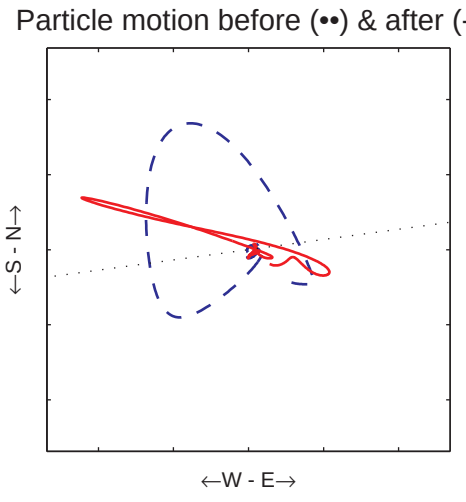
Rotation Correlation:	50<	53° <	57	1.2<1.3s<1.4
Minimum Energy:	31<	34° <	39	1.3<1.4s<1.6
Eigenvalue:	56<	56° <	62	1.2<1.3s<1.4

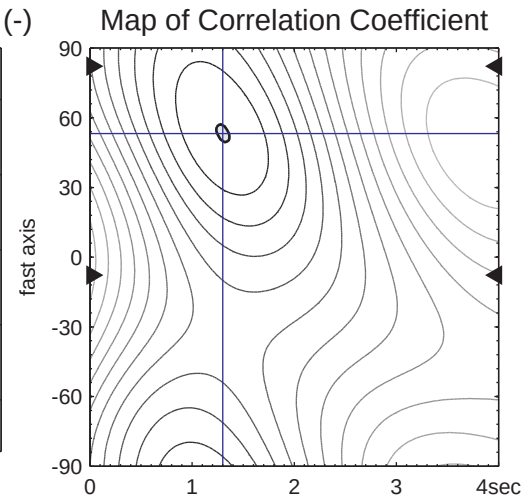
Quality: **fair** IsNull: **No** Phase: **SKS**

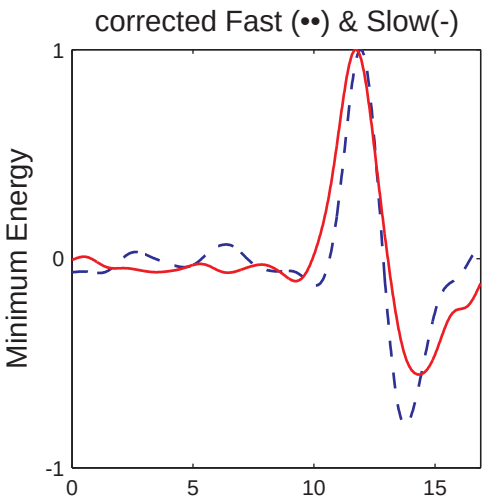


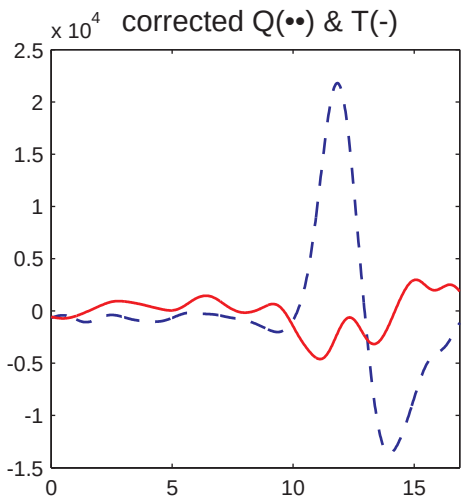


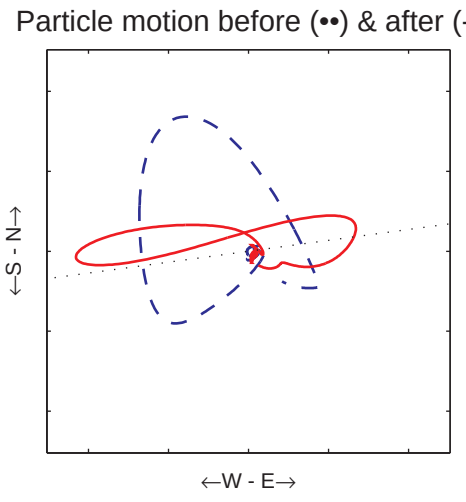


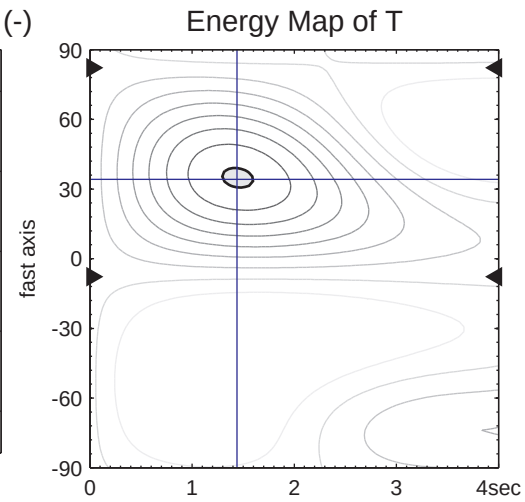


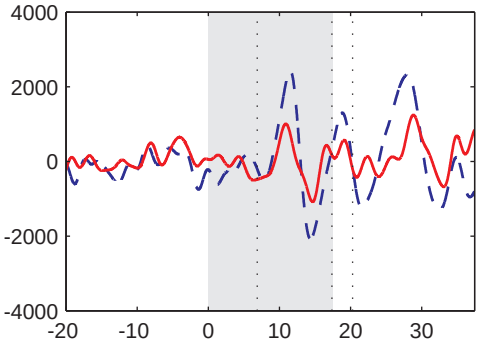








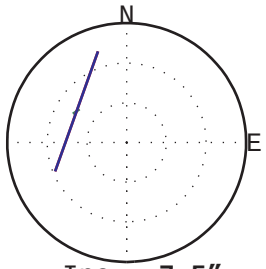


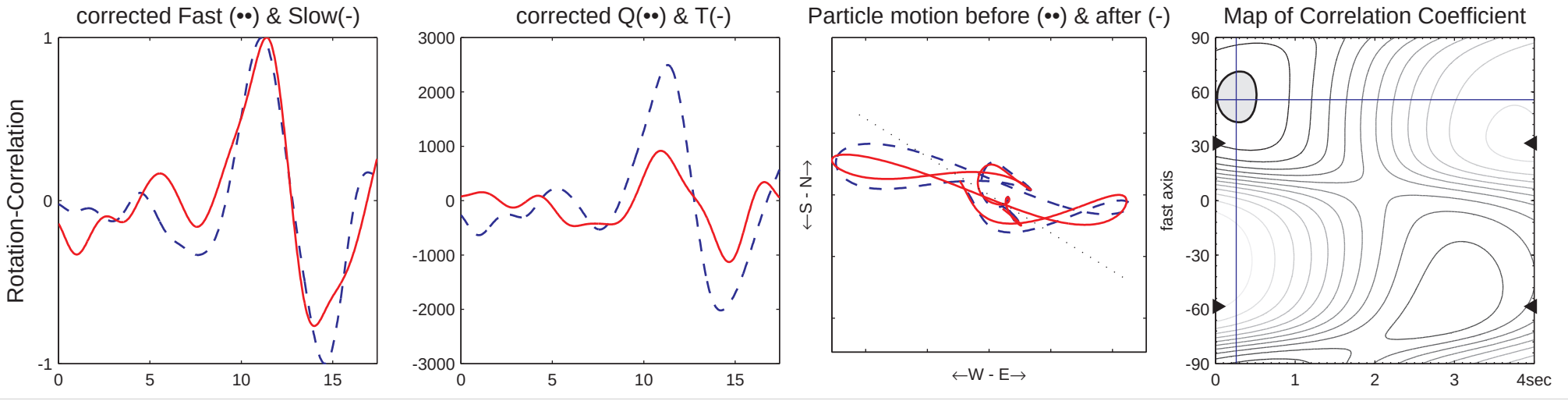


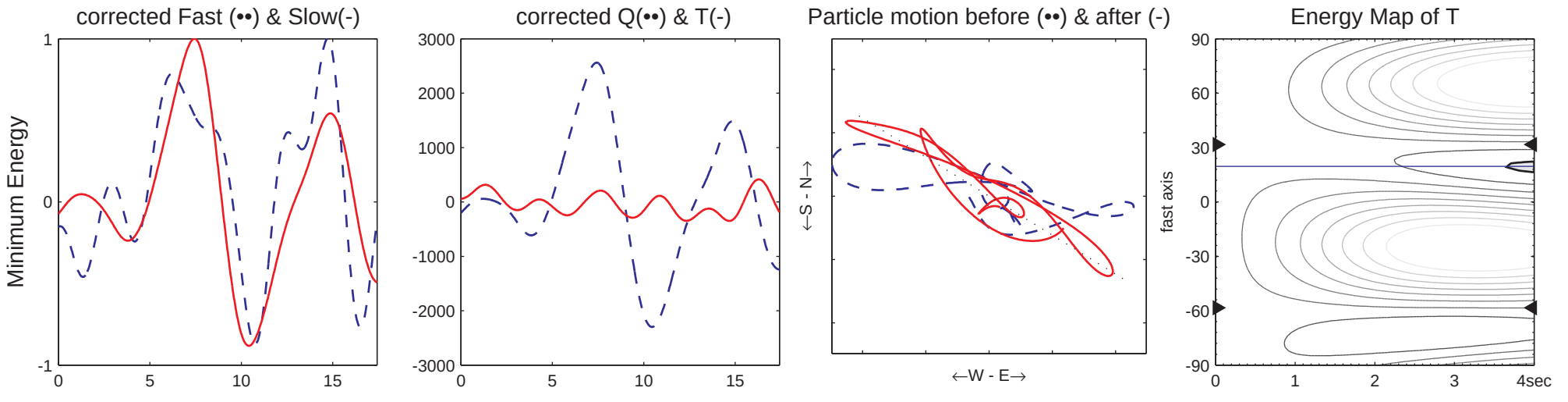
Event: **13-Jun-2007 (164) 19:29 13.55N -90.62E 23km Mw=6.7**
Station: **LEF** Backazimuth: **301.7”** Distance: **107.68”**
init.Pol.: **121.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

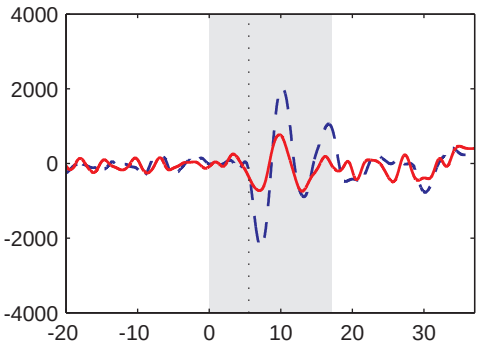
Rotation Correlation:	43<	56° <	71	0.0<0.3s<0.5
Minimum Energy:	17<	20° <	23	3.6<4.0s<4.0
Eigenvalue:	11<	20° <	29	3.6<4.0s<4.0

Quality: **fair** IsNull: **Yes** Phase: **SKS**





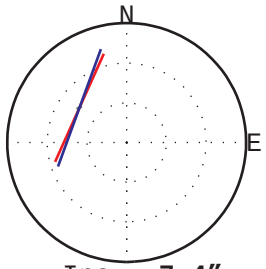


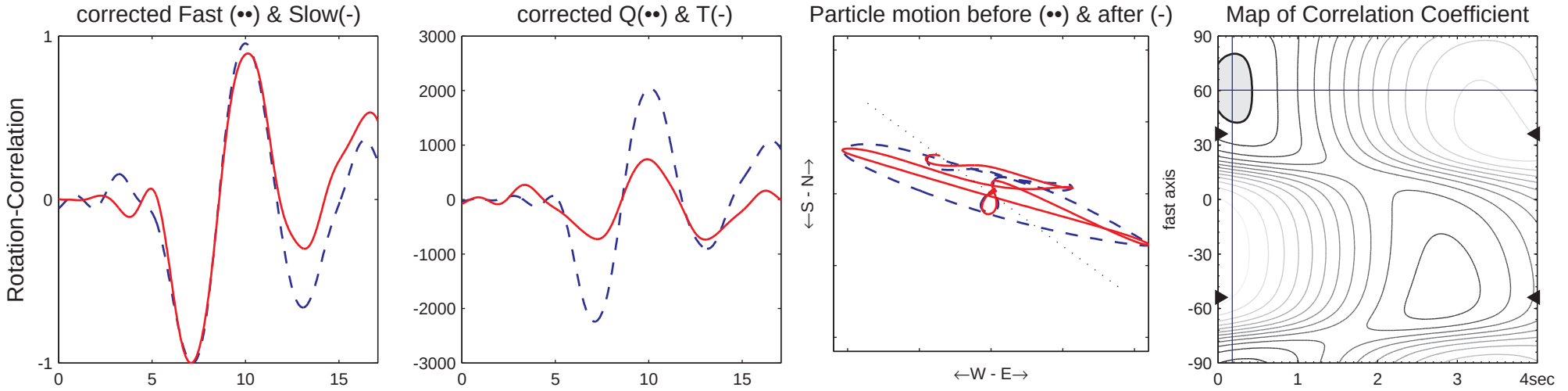


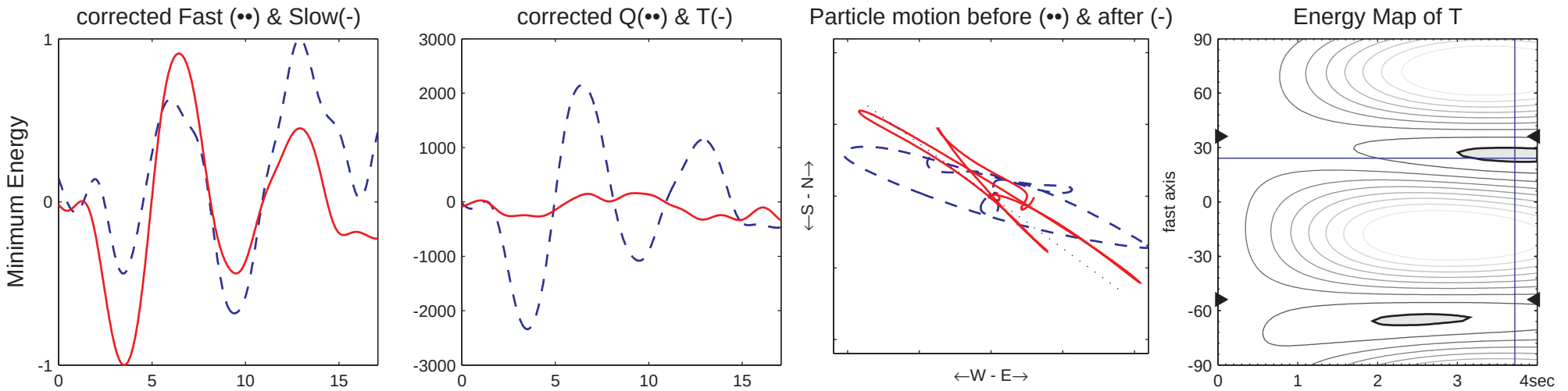
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **LEF** Backazimuth: **306.2”** Distance: **107.98”**
init.Pol.: **117.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

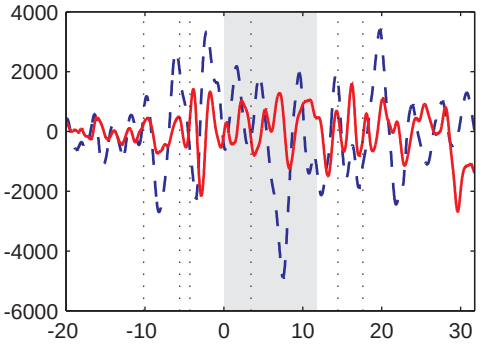
Rotation Correlation:	43<	60° <	80	0.0<0.2s<0.4
Minimum Energy:	21<	24° <	29	3.0<3.7s<4.0
Eigenvalue:	15<	20° <	29	3.2<3.9s<4.0

Quality: **fair** IsNull: **Yes** Phase: **SKS**





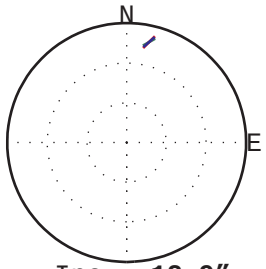




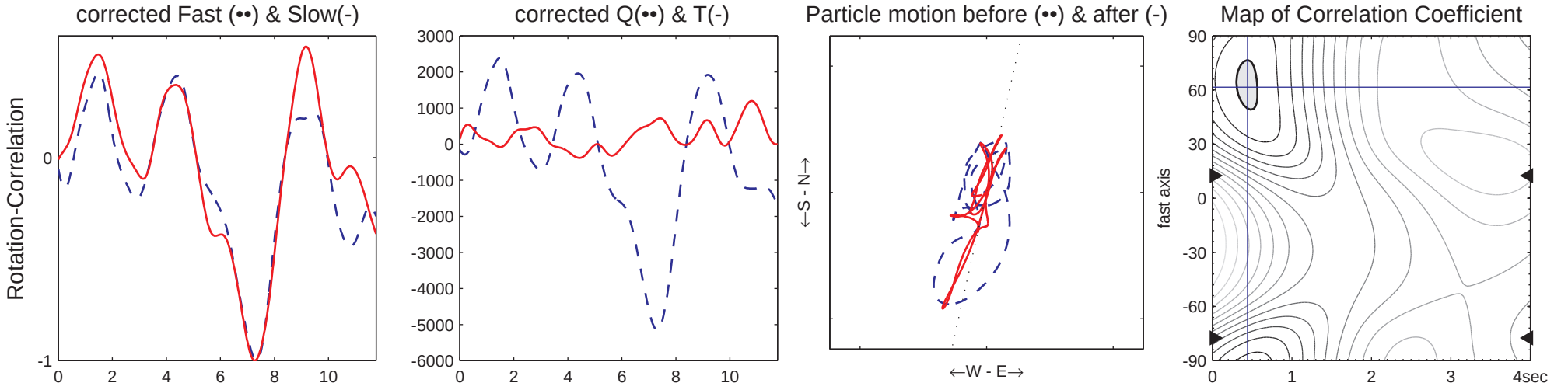
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **LEF** Backazimuth: **12.5”** Distance: **90.52”**
init.Pol.: **194.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.2**

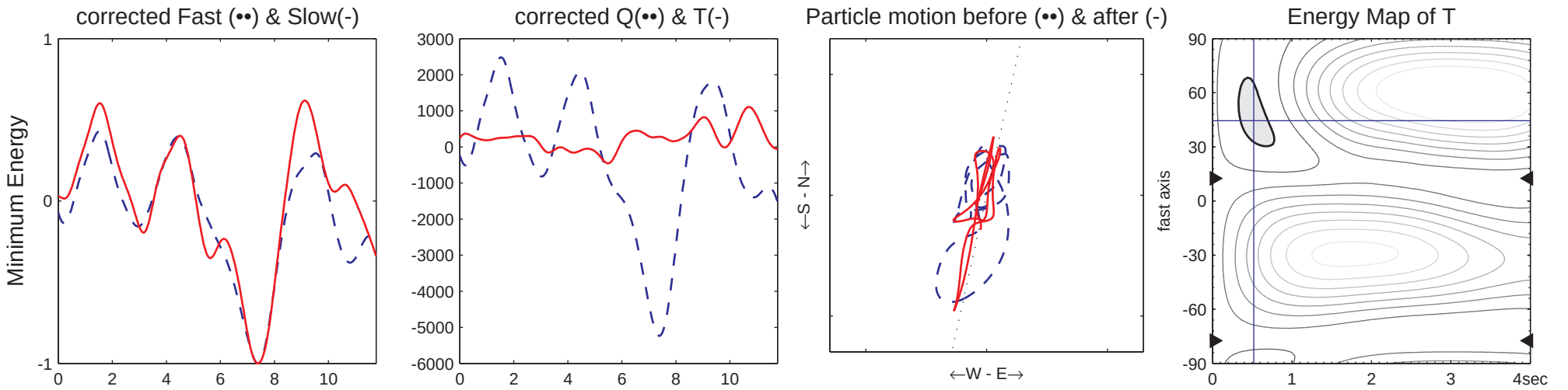
Rotation Correlation:	49<	62° <	77	0.3<0.4s<0.6
Minimum Energy:	29<	45° <	68	0.3<0.5s<0.8
Eigenvalue:	31<	49° <	78	0.3<0.5s<0.7

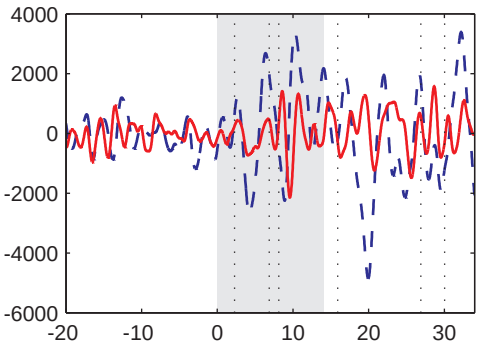
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.9”**



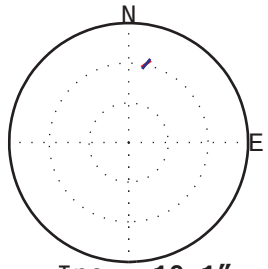




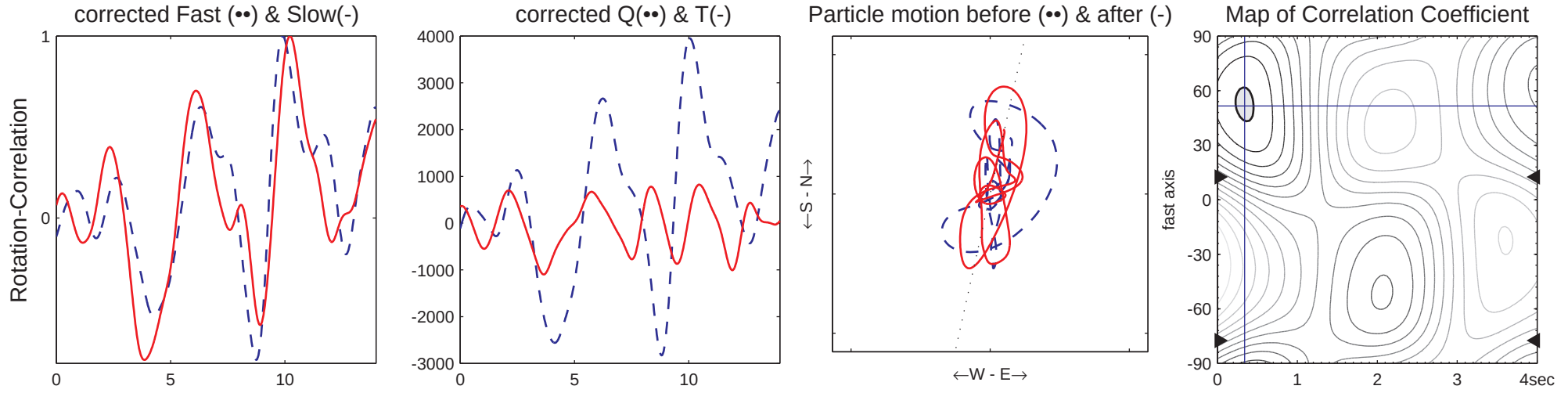
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **LEF** Backazimuth: **12.5”** Distance: **90.52”**
init.Pol.: **184.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

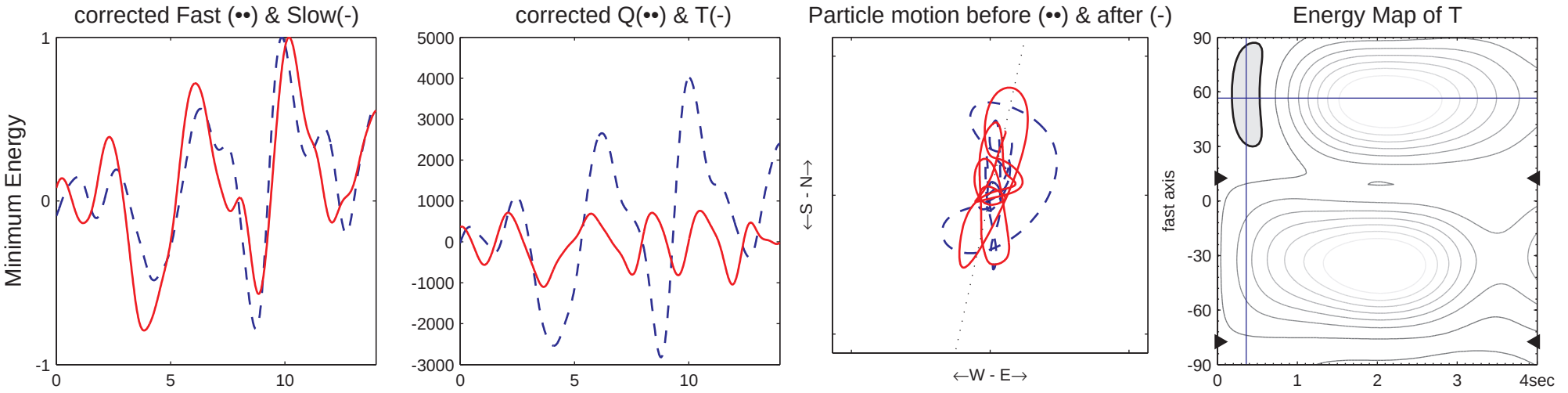
Rotation Correlation:	43<	52° <	62	0.2<0.3s<0.4
Minimum Energy:	29<	57° <	88	0.2<0.4s<0.6
Eigenvalue:	17<	39° <	76	0.2<0.4s<0.7

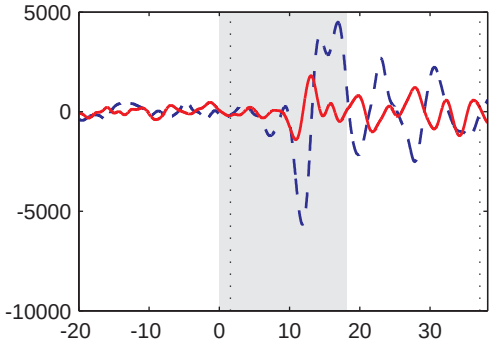
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.1”**



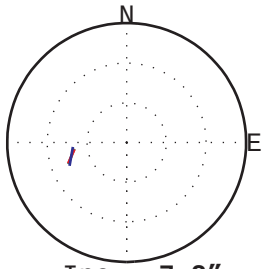




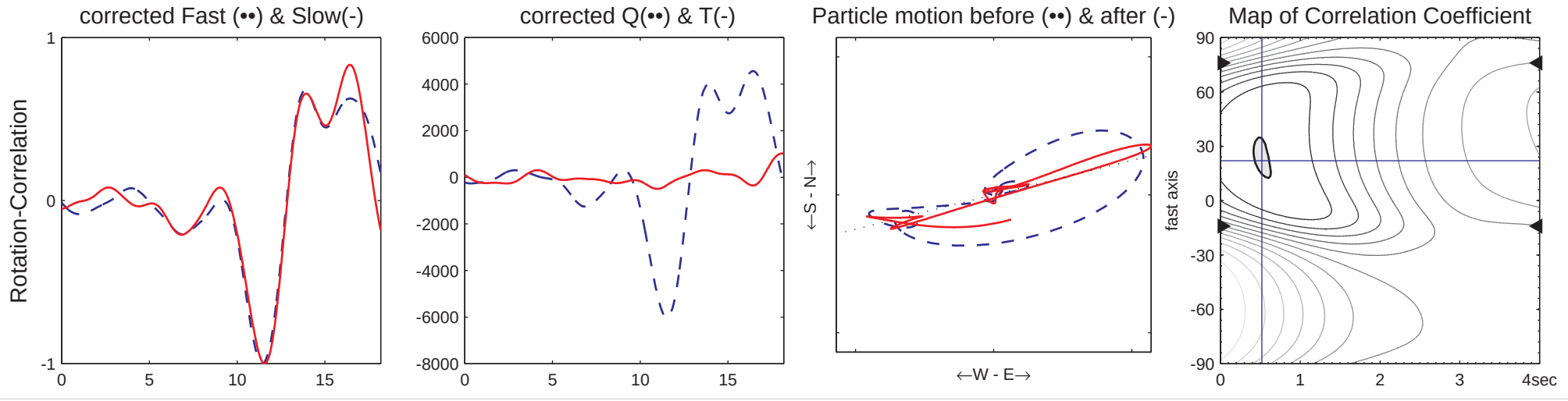
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **LEF** Backazimuth: **256.0”** Distance: **109.36”**
init.Pol.: **72.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.7**

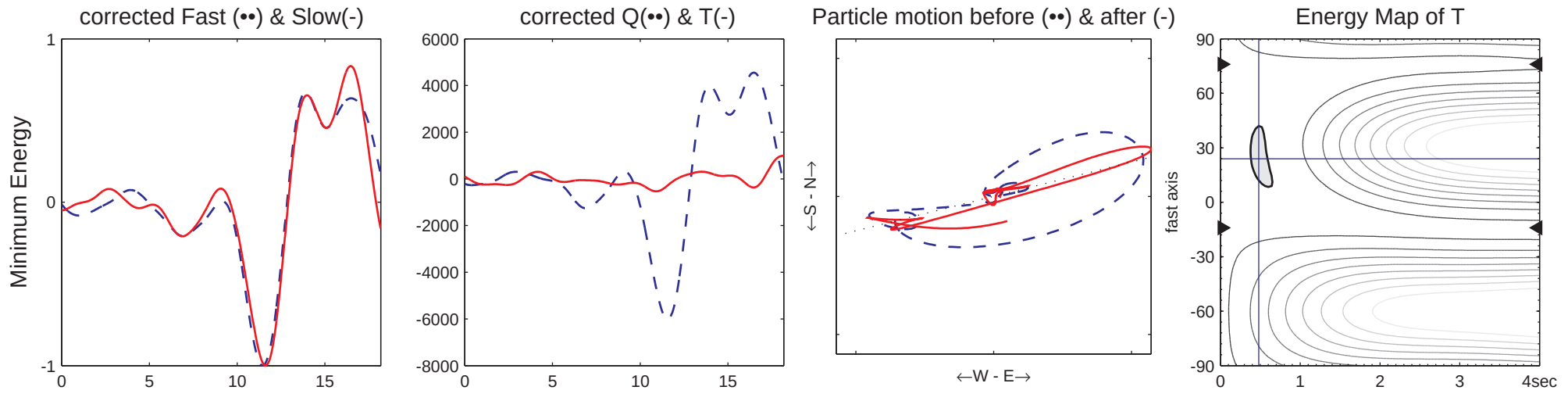
Rotation Correlation:	13<	22° <	35	0.4<0.5s<0.6
Minimum Energy:	9<	24° <	41	0.4<0.5s<0.6
Eigenvalue:	-3<	10° <	27	0.4<0.6s<0.8

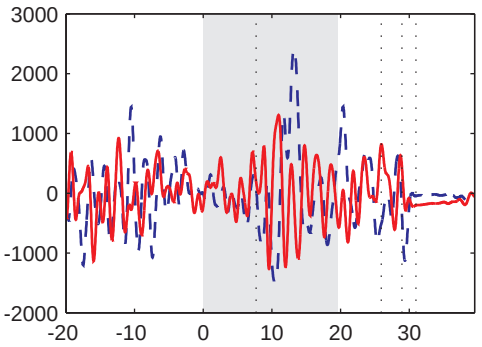
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



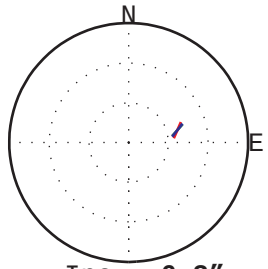


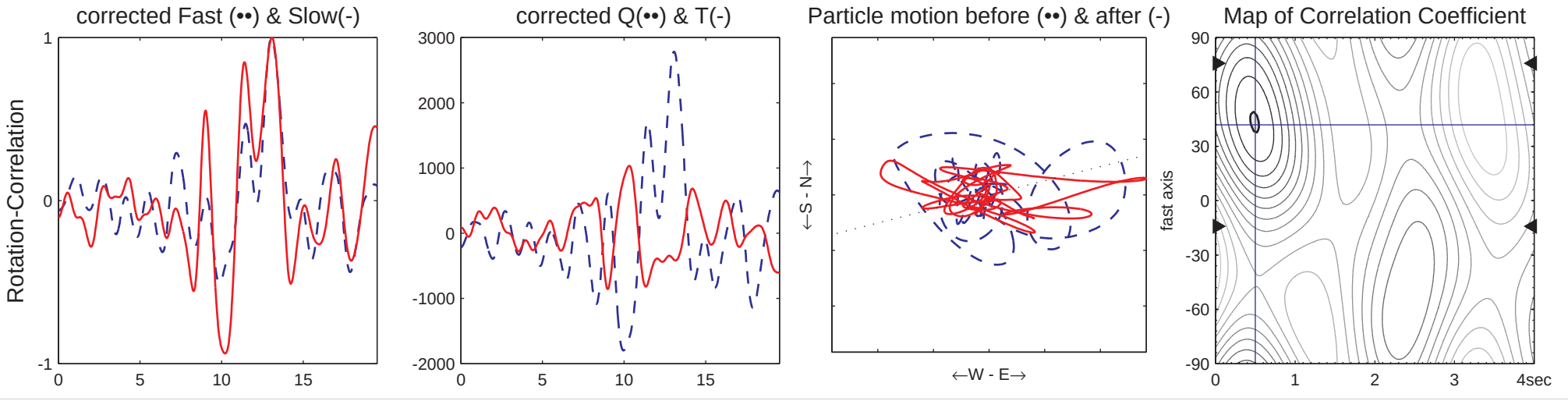


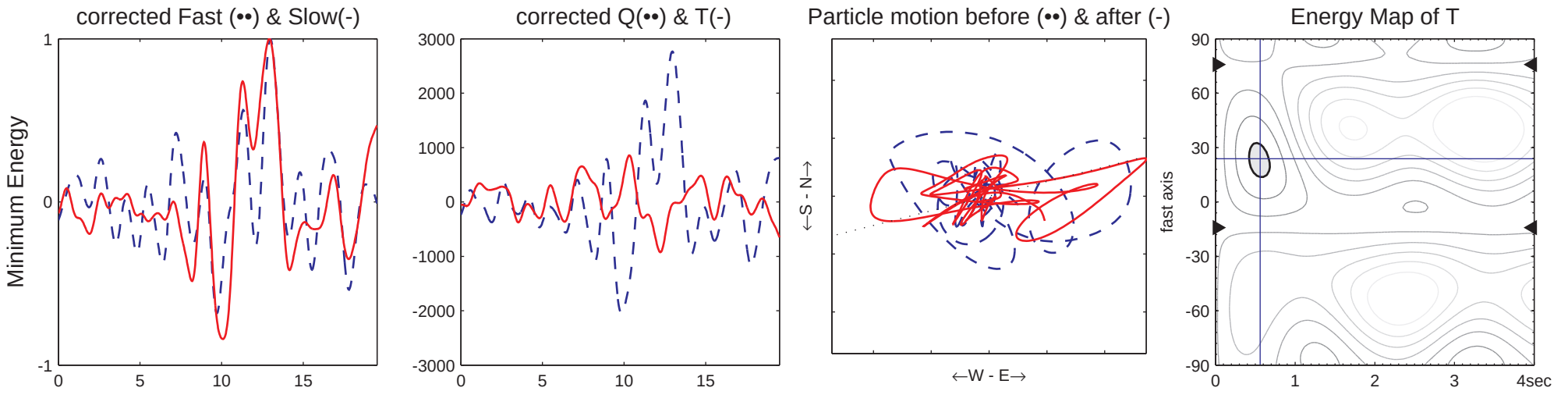
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **LEF** Backazimuth: **75.8”** Distance: **117.12”**
init.Pol.: **272.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.1**

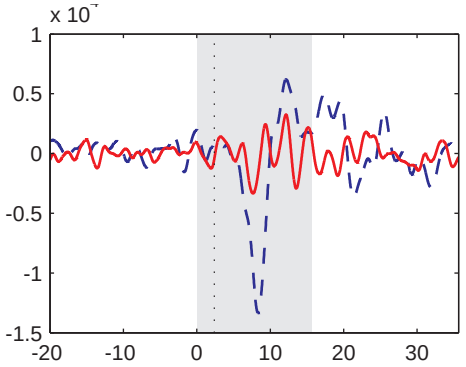
Rotation Correlation:	38<	42° <	49	0.4<0.5s<0.6
Minimum Energy:	13<	24° <	33	0.4<0.6s<0.7
Eigenvalue:	25<	38° <	50	0.4<0.5s<0.6

Quality: **fair** IsNull: **No** Phase: **SKS**





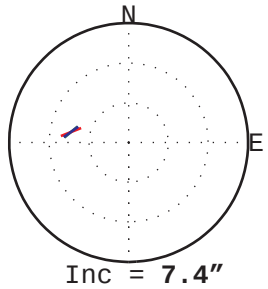


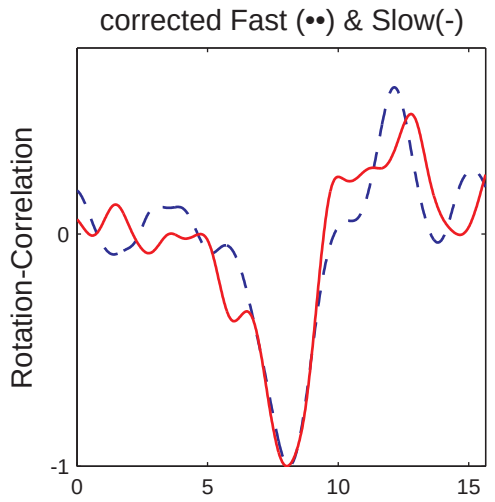


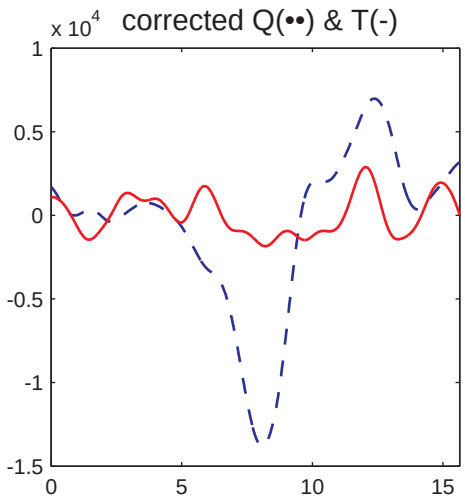
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **LEF** Backazimuth: **280.3”** Distance: **108.17”**
init.Pol.: **93.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.1**

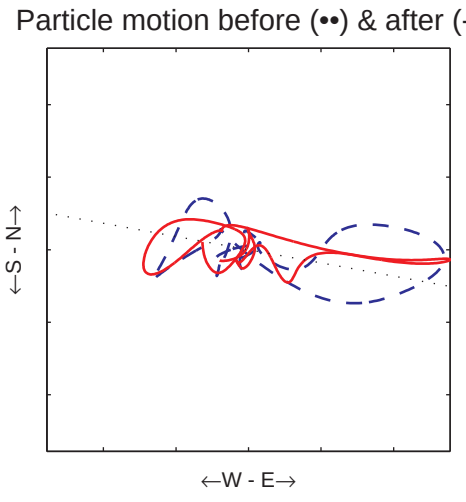
Rotation Correlation:	39<	50° <	63	0.3<0.5s<0.8
Minimum Energy:	37<	68° <	-92	0.3<0.7s<1.1
Eigenvalue:	23<	54° <	82	0.3<0.6s<1.0

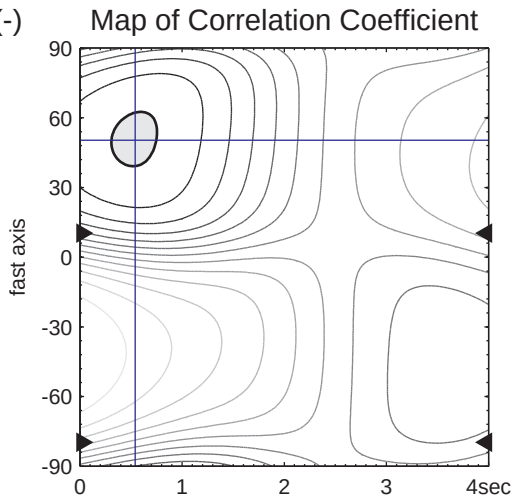
Quality: **fair** IsNull: **No** Phase: **SKS**

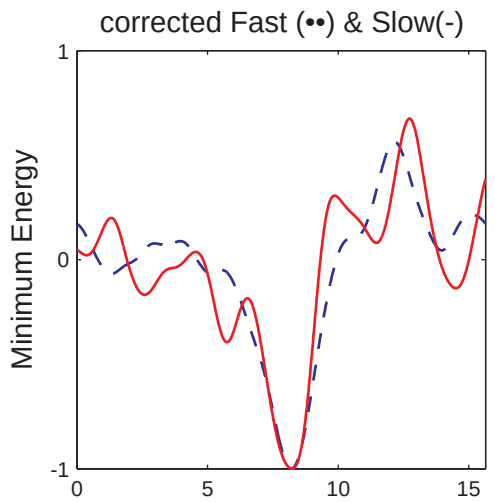


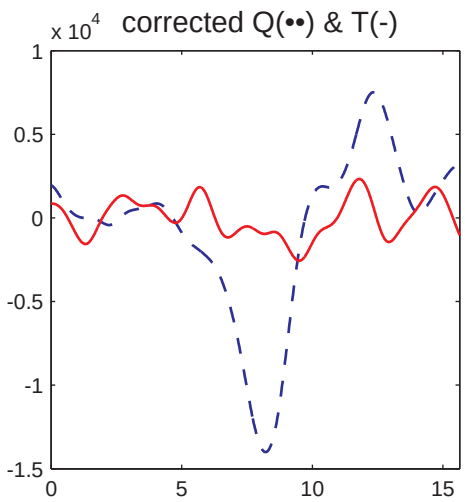


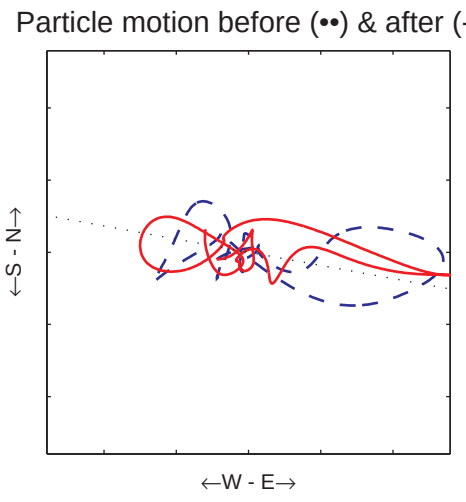


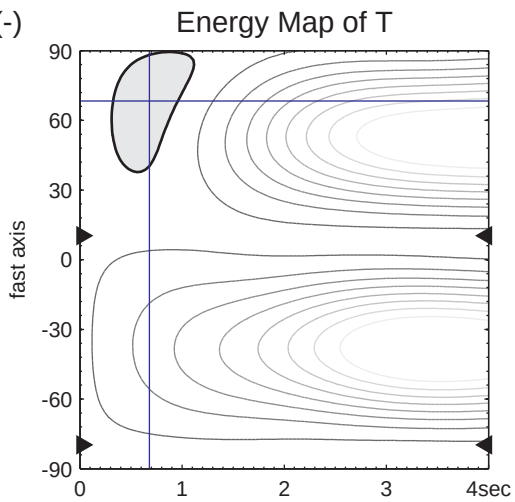


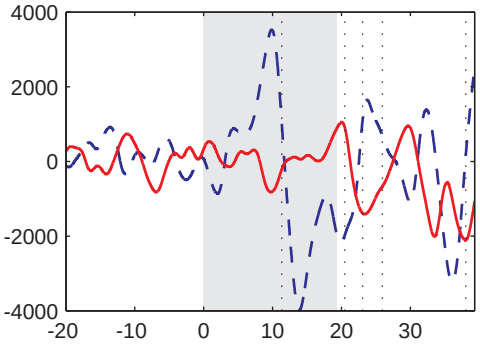








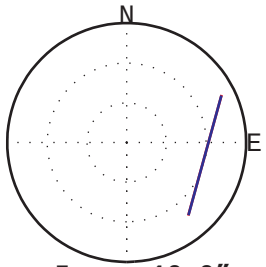




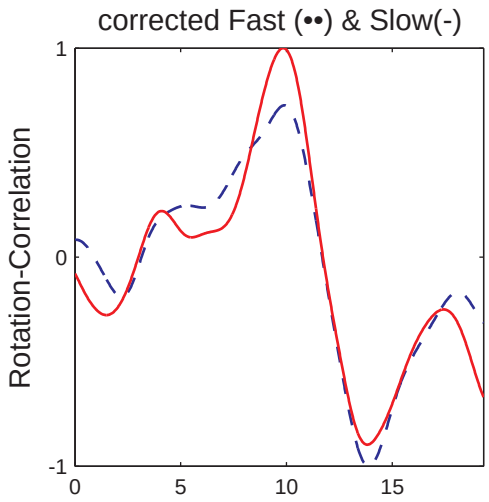
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **LEF** Backazimuth: **99.3”** Distance: **91.14”**
init.Pol.: **279.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.0**

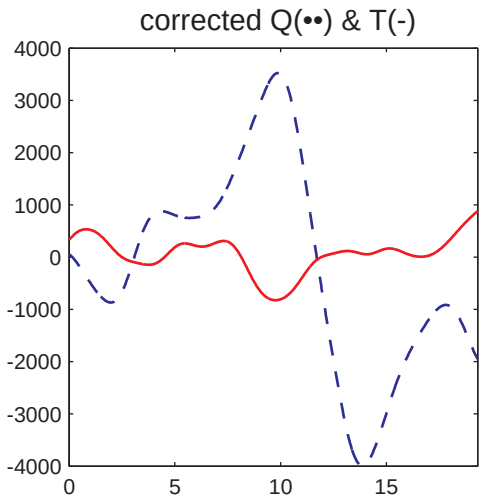
Rotation Correlation:	48<	60° <	74	0.0<0.0s<0.2
Minimum Energy:	13<	15° <	17	3.0<3.9s<4.0
Eigenvalue:	11<	15° <	17	3.0<3.9s<4.0

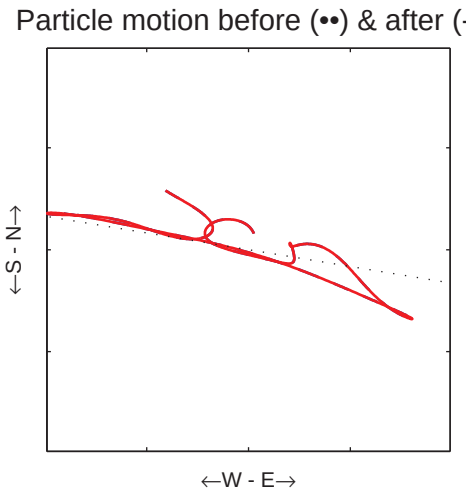
Quality: **good** IsNull: **Yes** Phase: **SKS**

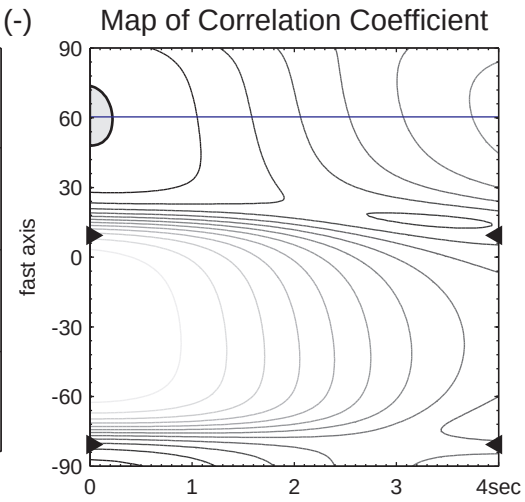


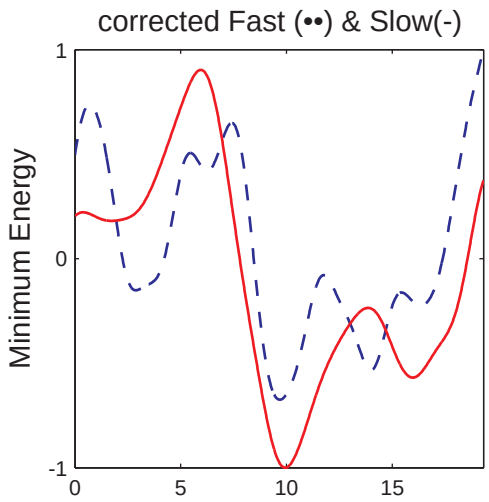
Inc = **10.0”**

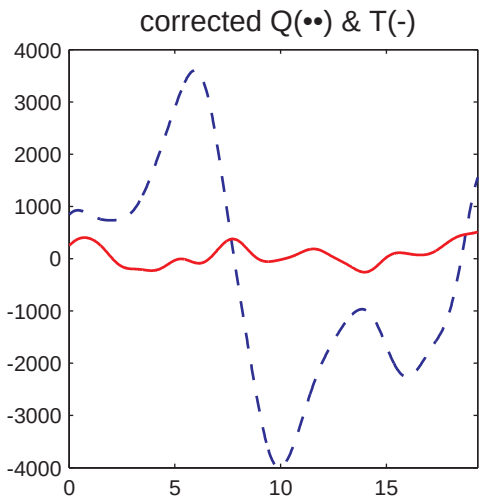


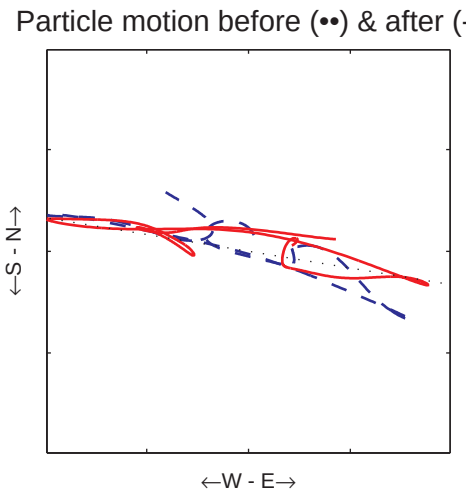


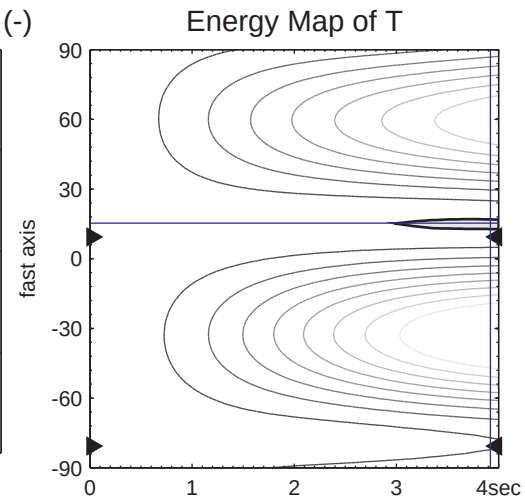


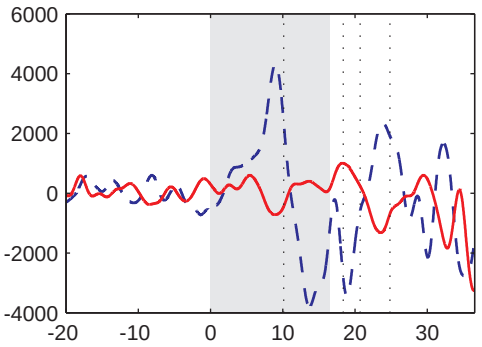








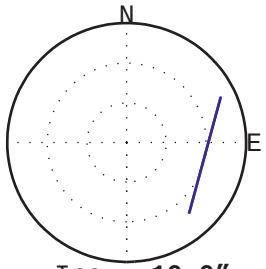




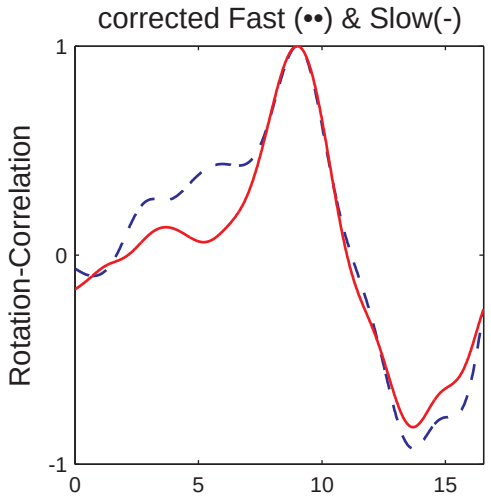
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **LEF** Backazimuth: **99.2”** Distance: **91.17”**
init.Pol.: **280.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.1**

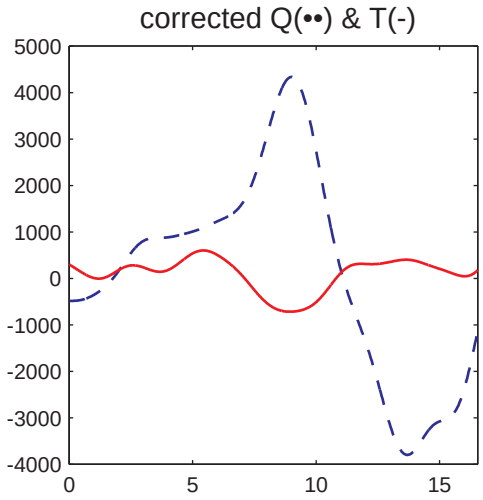
Rotation Correlation:	42<	60° <	79	0.0<0.0s<0.3
Minimum Energy:	13<	15° <	17	2.8<3.7s<4.0
Eigenvalue:	13<	15° <	19	3.0<3.8s<4.0

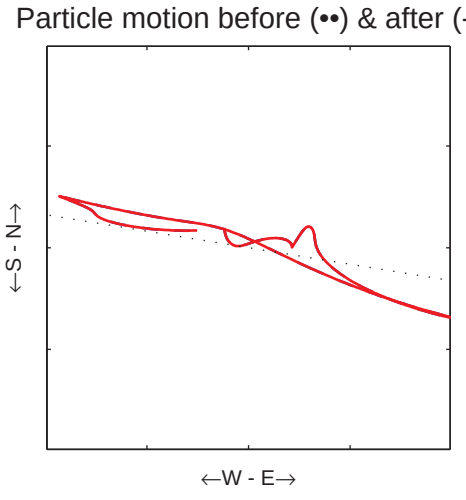
Quality: **good** IsNull: **Yes** Phase: **SKS**

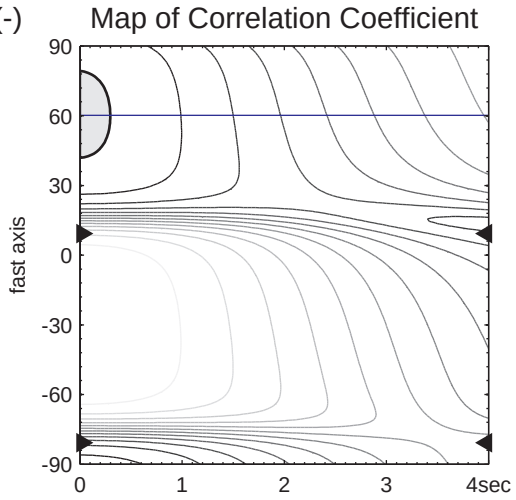


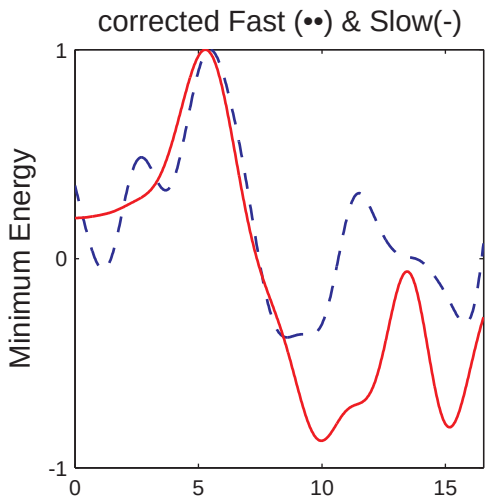
Inc = **10.0”**

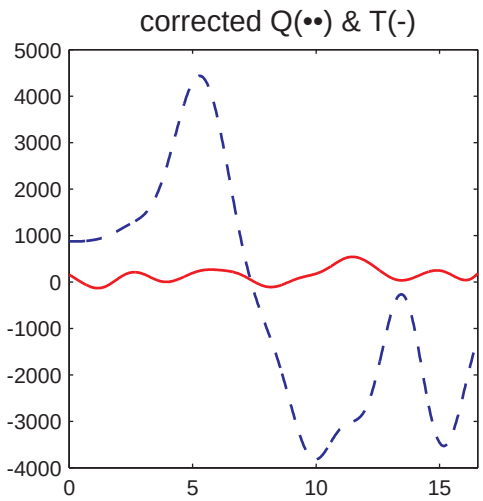


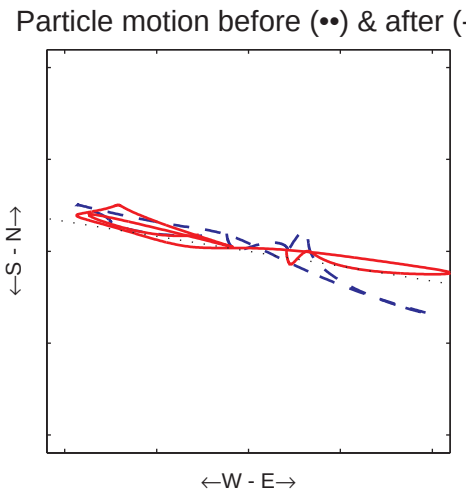


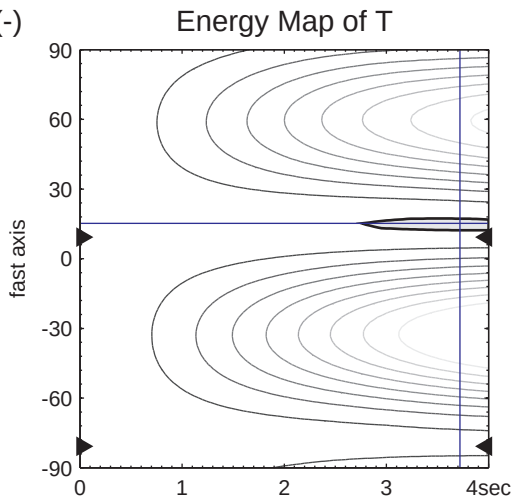


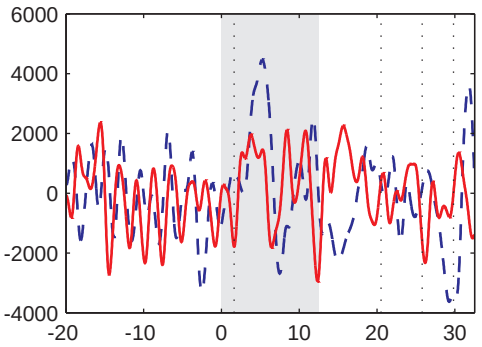








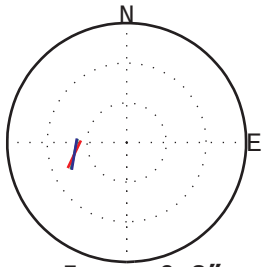




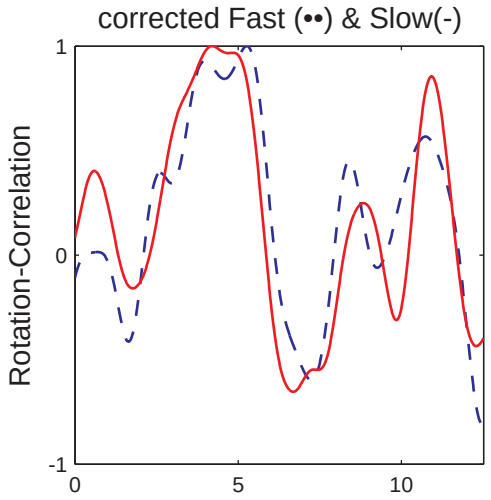
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km** Mw=**6.7**
Station: **LEF** Backazimuth: **257.5”** Distance: **113.21”**
init.Pol.: **60.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.4**

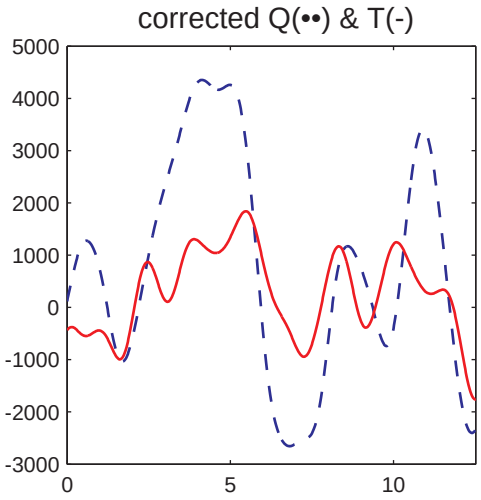
Rotation Correlation:	5<	12° <	22	0.8<1.0s<1.1
Minimum Energy:	13<	25° <	37	0.7<1.0s<1.2
Eigenvalue:	-3<	9° <	21	0.8<1.0s<1.2

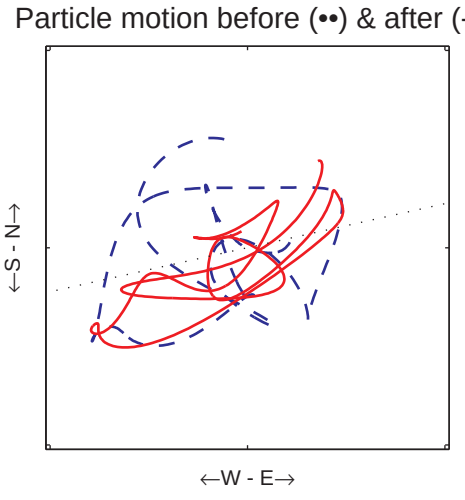
Quality: **fair** IsNull: **No** Phase: **SKS**

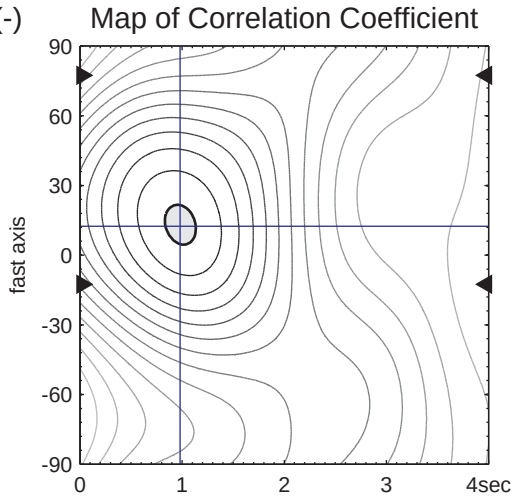


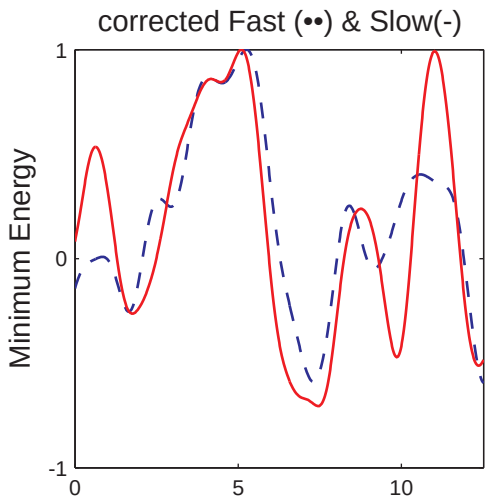
Inc = **6.8”**

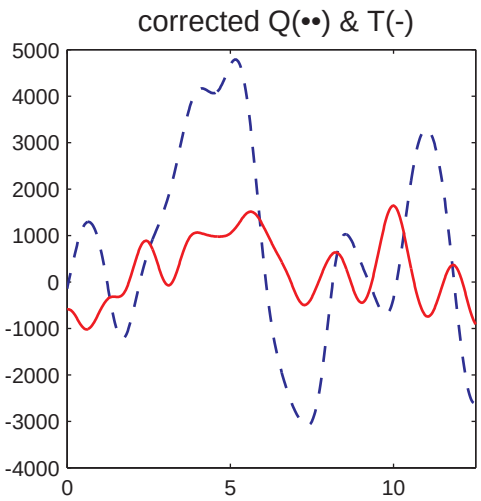


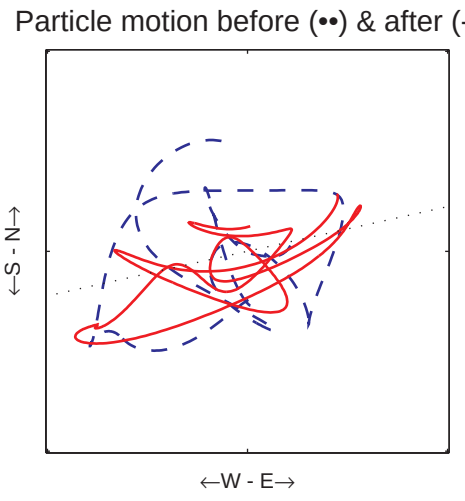


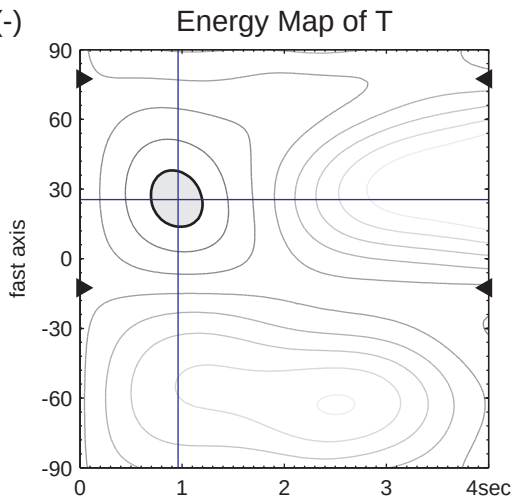


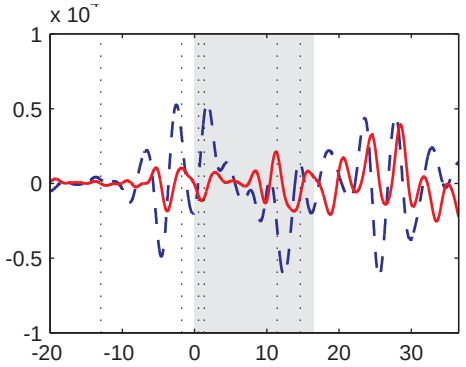








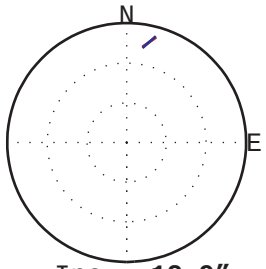




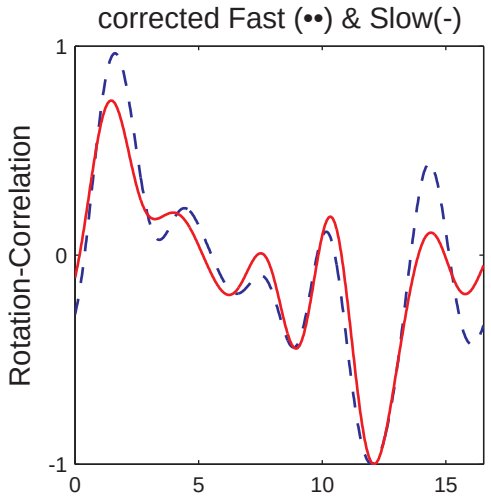
Event: **26-Dec-2007 (360) 22:04 52.56N -168.22E 25km Mw=6.4**
Station: **LEF** Backazimuth: **12.6”** Distance: **90.43”**
init.Pol.: **191.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

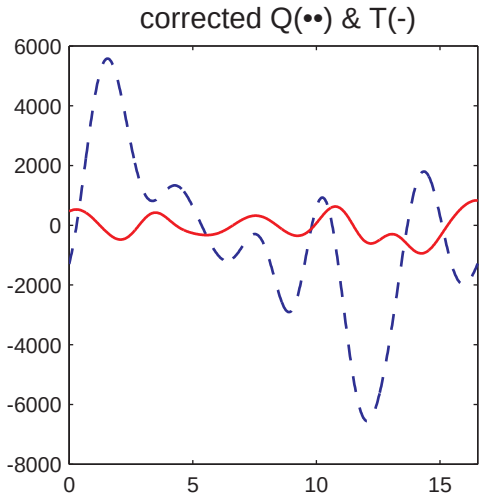
Rotation Correlation:	45<	55° <	67	0.4<0.5s<0.6
Minimum Energy:	39<	55° <	70	0.4<0.5s<0.7
Eigenvalue:	33<	49° <	74	0.4<0.6s<0.7

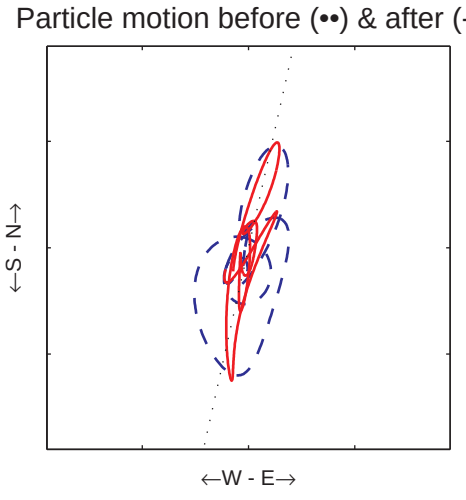
Quality: **good** IsNull: **No** Phase: **SKKS**

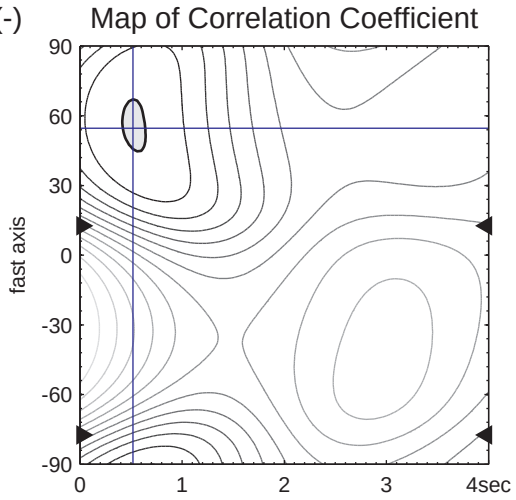


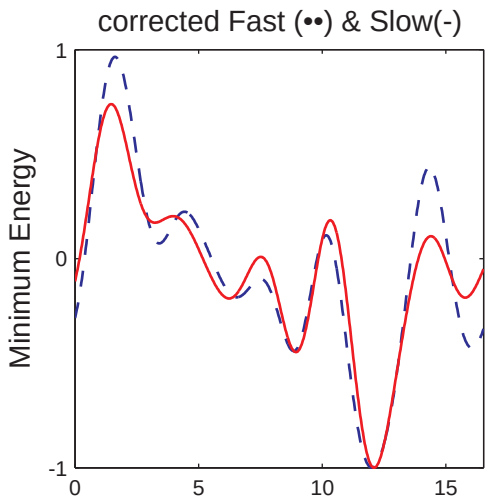
Inc = **12.9”**

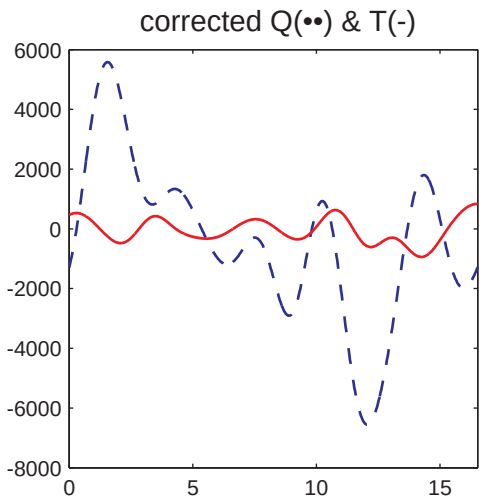


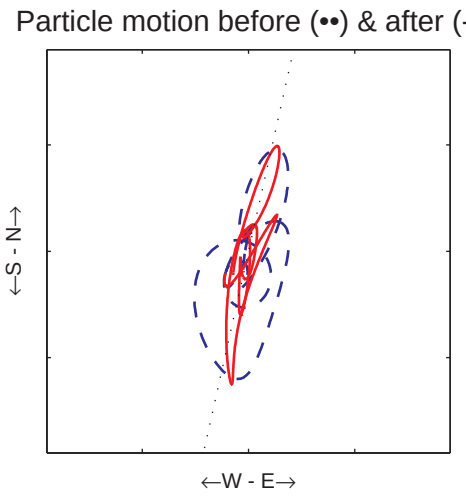


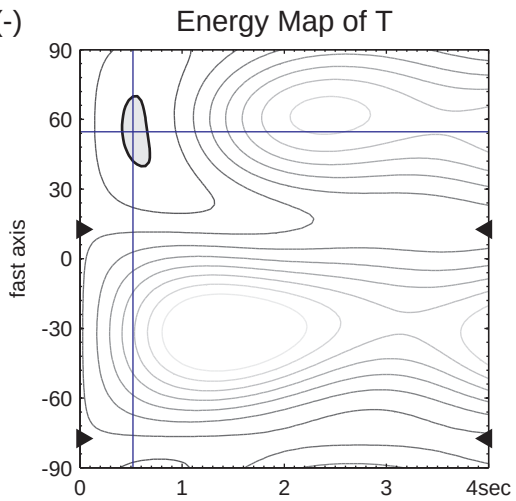


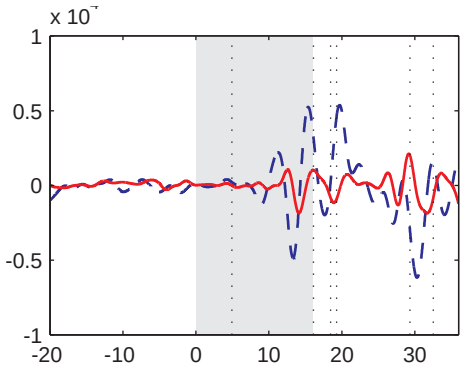








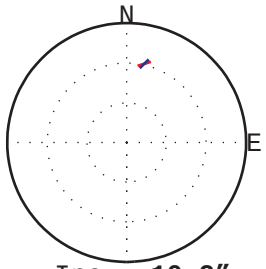




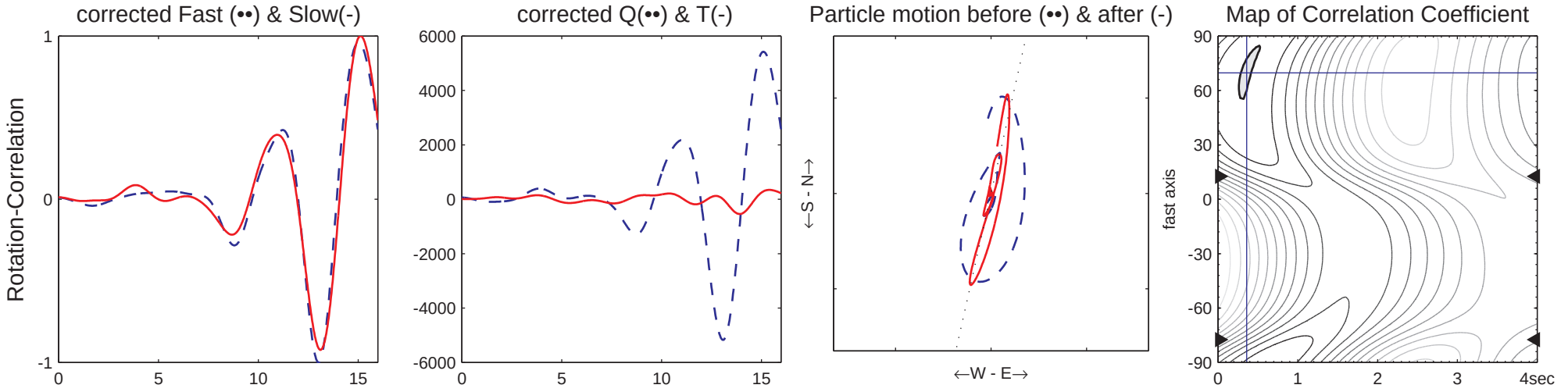
Event: **26-Dec-2007 (360) 22:04 52.56N -168.22E 25km Mw=6.4**
Station: **LEF** Backazimuth: **12.6”** Distance: **90.43”**
init.Pol.: **187.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**18.3**

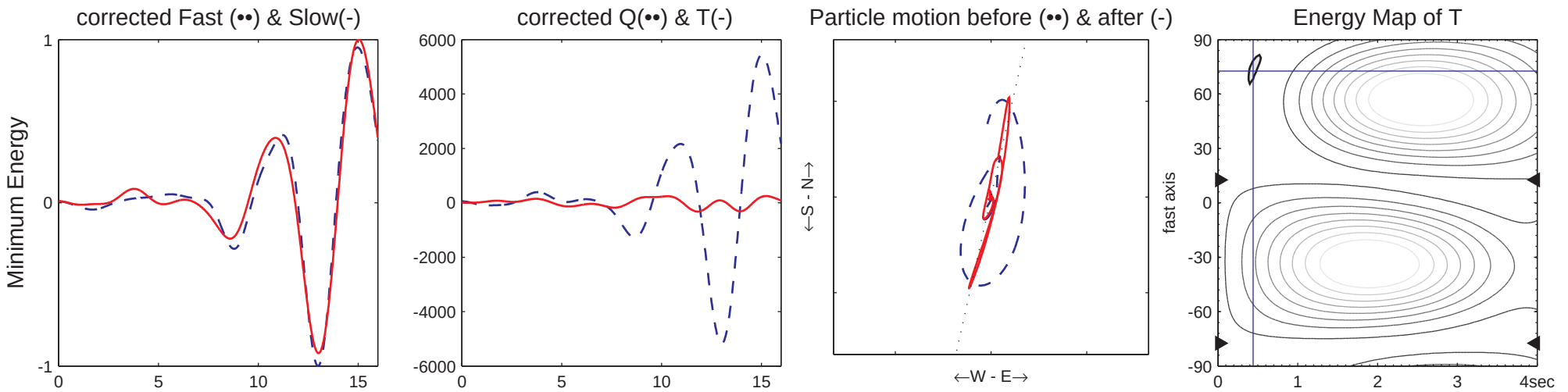
Rotation Correlation:	55<	70° <	85	0.3<0.4s<0.5
Minimum Energy:	66<	73° <	82	0.4<0.4s<0.5
Eigenvalue:	33<	45° <	66	0.4<0.4s<0.5

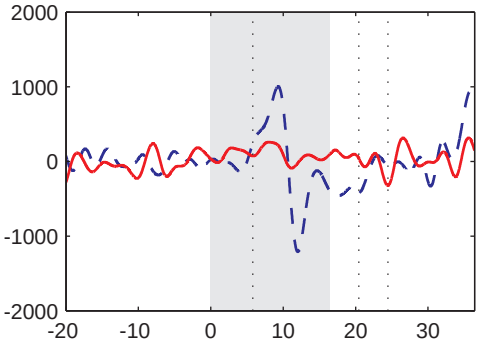
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.2”**



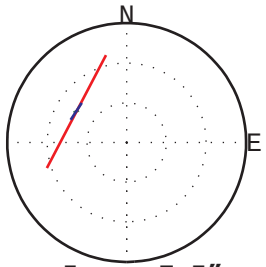


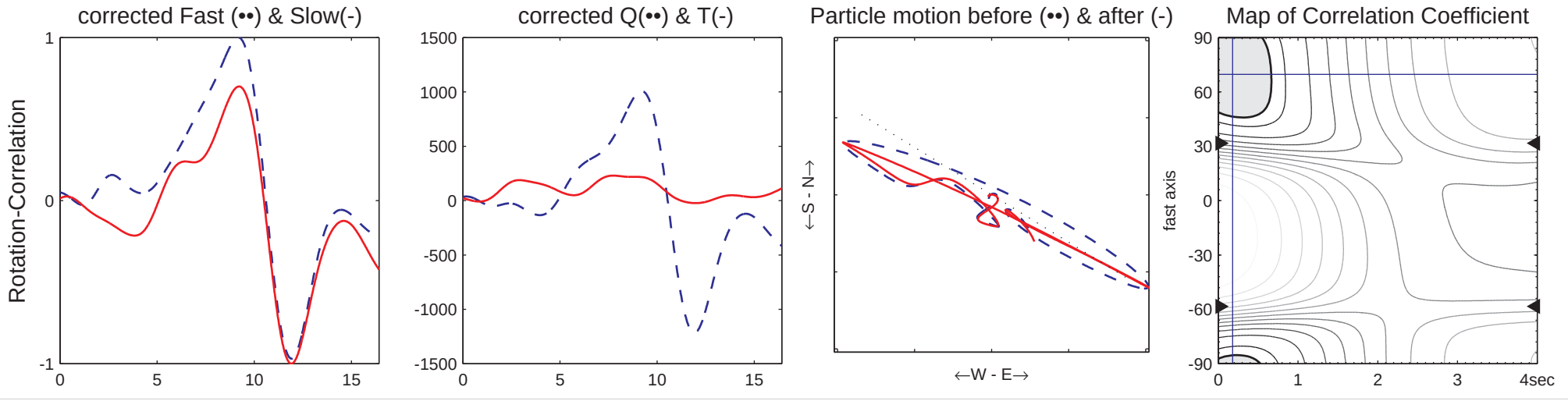


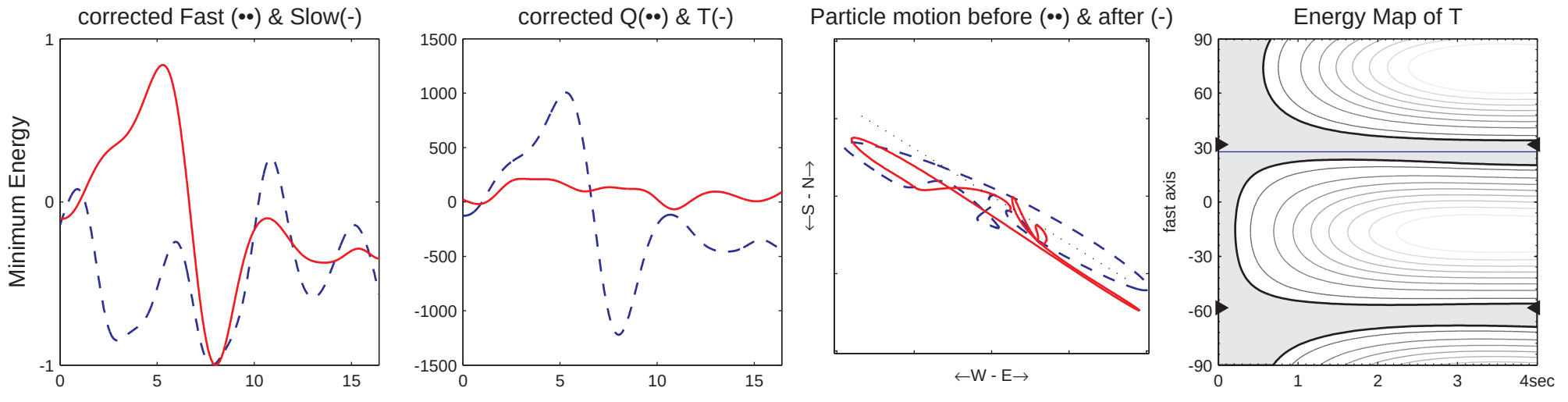
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **LEF** Backazimuth: **301.6”** Distance: **107.66”**
init.Pol.: **113.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

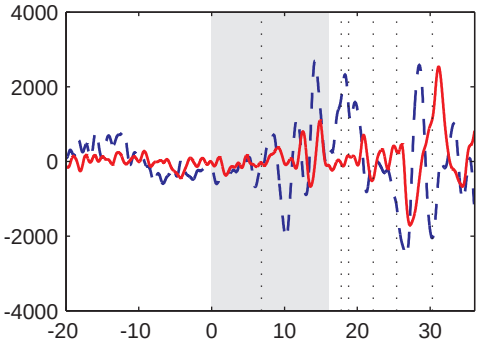
Rotation Correlation:	46<	70° <	-86	0.0<0.2s<0.7
Minimum Energy:	-Inf<	28° <	Inf	0.0<4.0s<Inf
Eigenvalue:	21<	34° <	-66	0.0<0.6s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





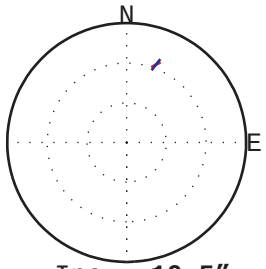




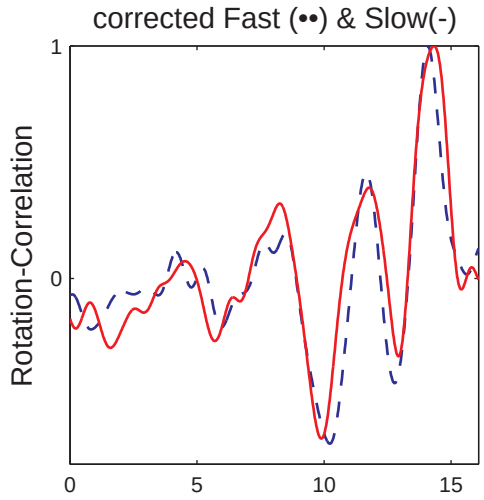
Event: **20-May-2008 (141) 13:53 51.16N 178.76E 27km Mw=6.3**
Station: **LEF** Backazimuth: **20.6”** Distance: **88.67”**
init.Pol.: **192.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.8**

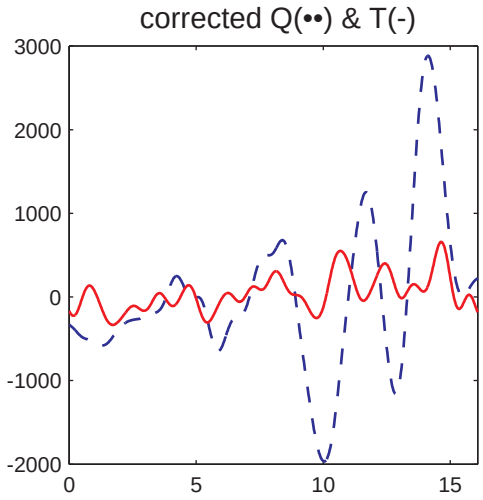
Rotation Correlation:	53<	58° <	65	0.3<0.3s<0.4
Minimum Energy:	46<	63° <	86	0.2<0.3s<0.4
Eigenvalue:	27<	39° <	62	0.3<0.4s<0.6

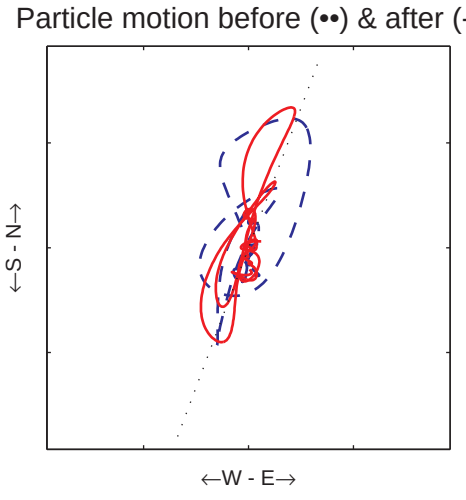
Quality: **good** IsNull: **No** Phase: **SKS**

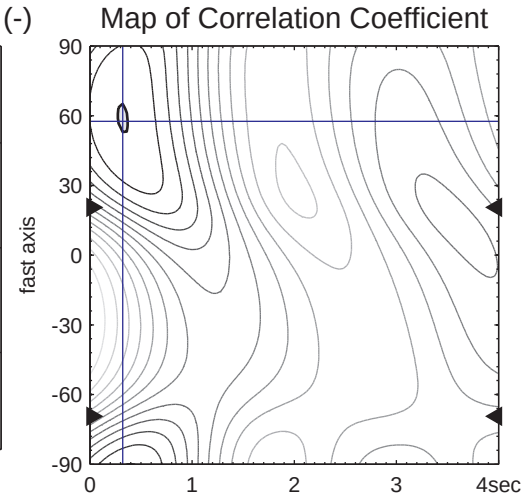


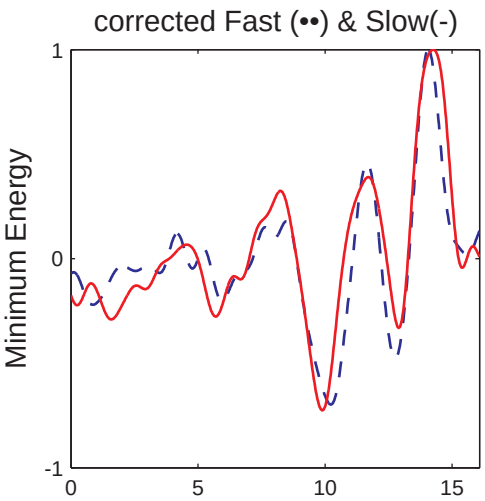
Inc = **10.5”**

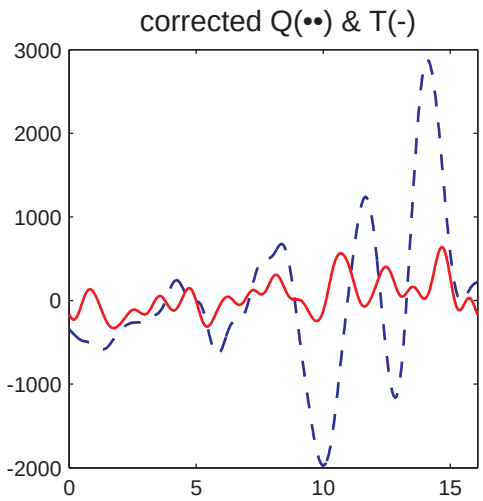


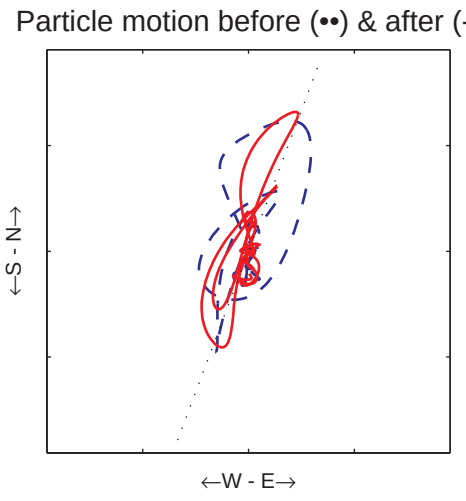


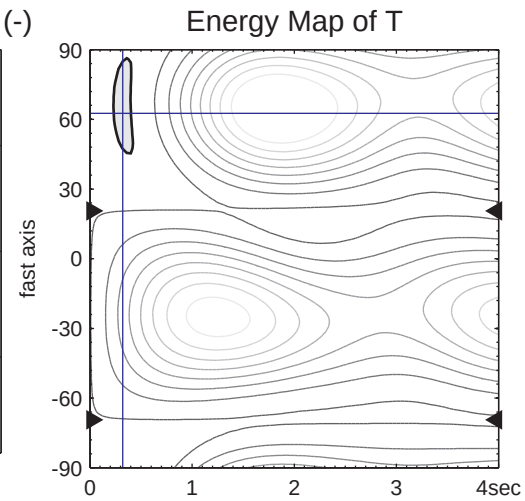


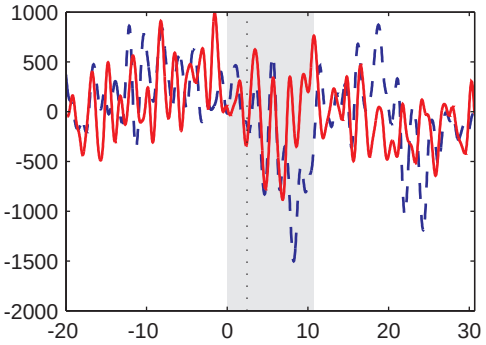








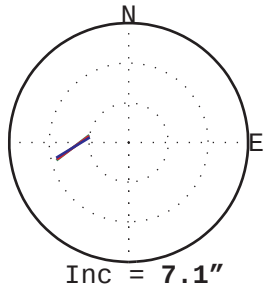


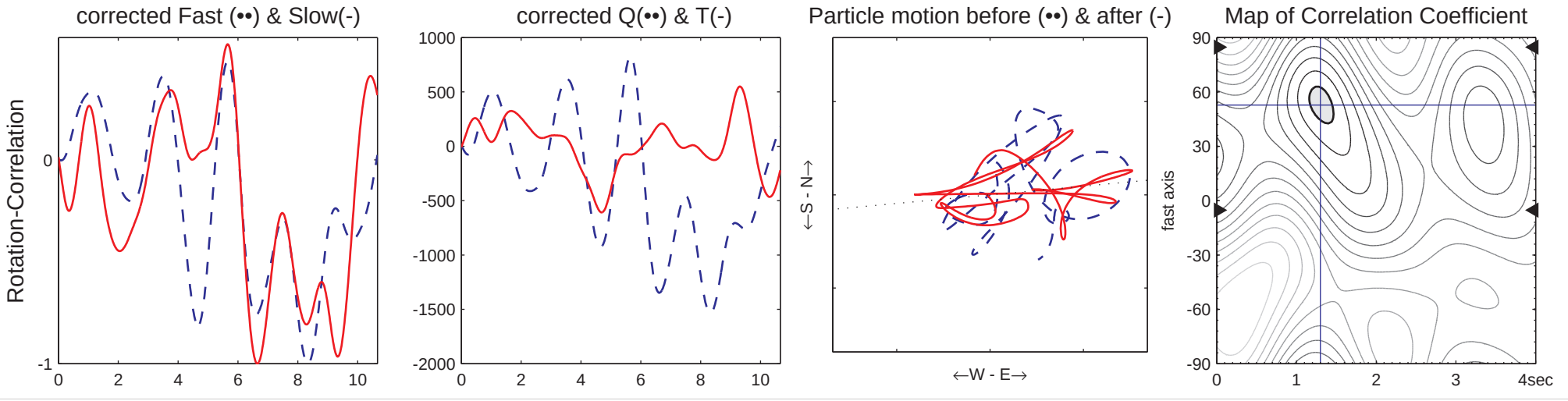


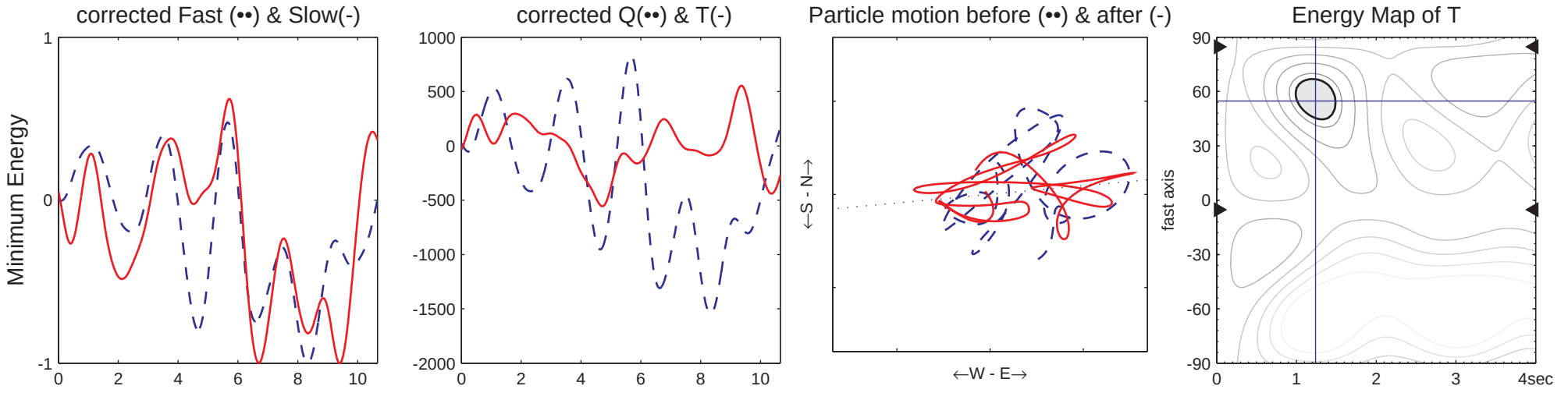
Event: **08-Jul-2008 (190) 09:13 -15.99N -71.75E 123km Mw=6.2**
Station: **LEF** Backazimuth: **264.7”** Distance: **110.89”**
init.Pol.: **89.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.2**

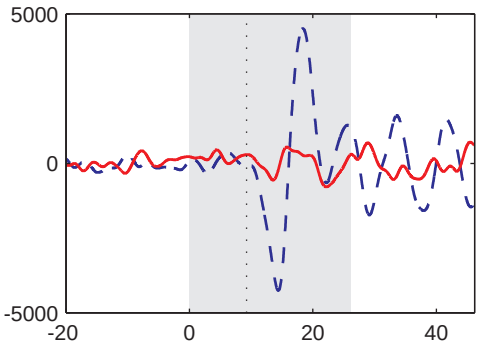
Rotation Correlation:	43<	53° <	63	1.2<1.3s<1.5
Minimum Energy:	46<	55° <	68	1.0<1.2s<1.5
Eigenvalue:	39<	59° <	78	1.0<1.2s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





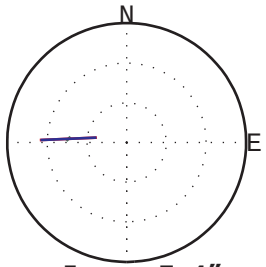




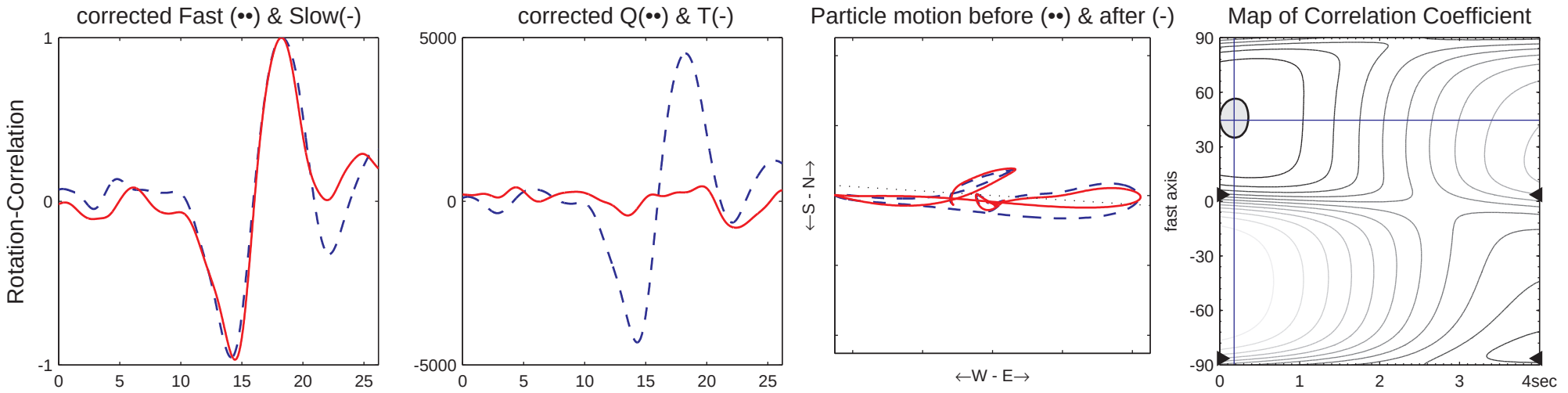
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **LEF** Backazimuth: **273.6”** Distance: **108.45”**
init.Pol.: **92.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.7**

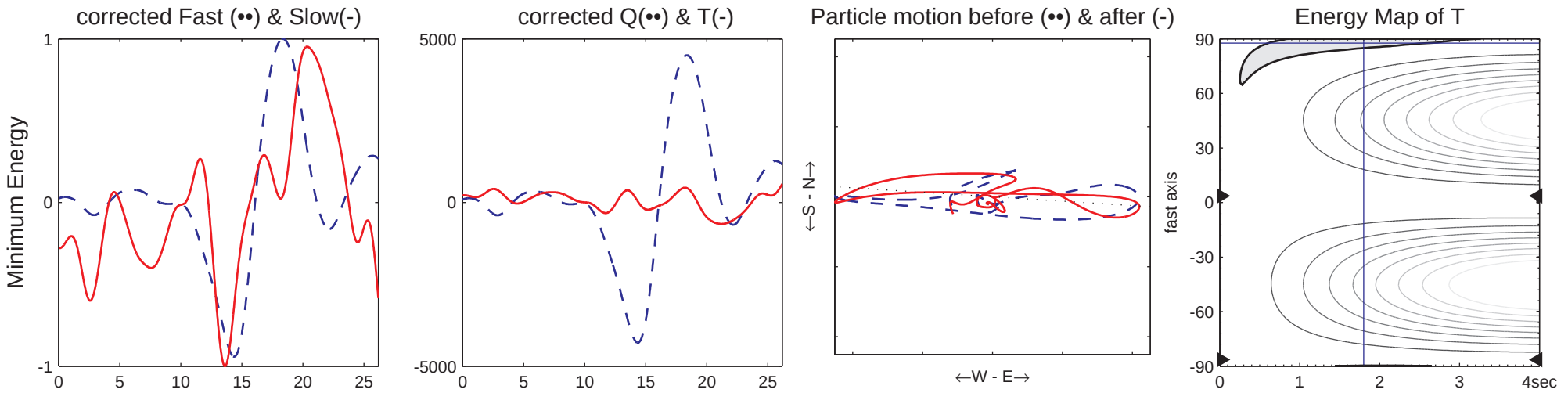
Rotation Correlation:	35<	45° <	57	0.0<0.2s<0.4
Minimum Energy:	66<	88° <	-92	0.2<1.8s<3.2
Eigenvalue:	-3<	88° <	-86	0.0<1.8s<4.0

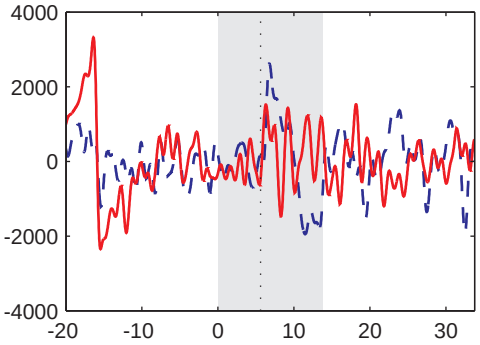
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.4”**



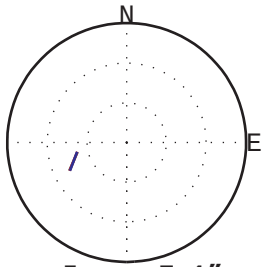


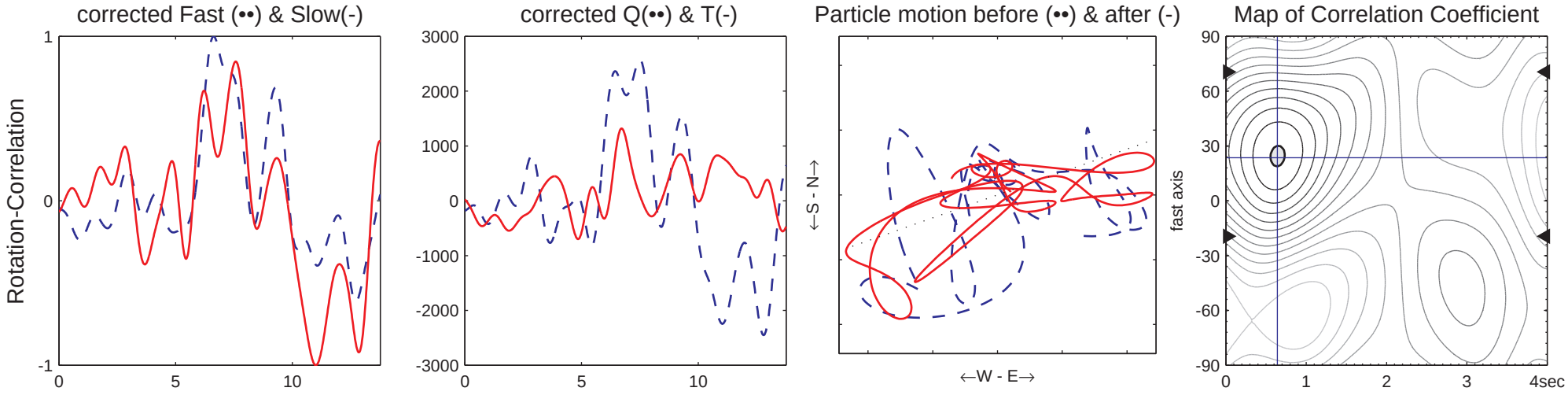


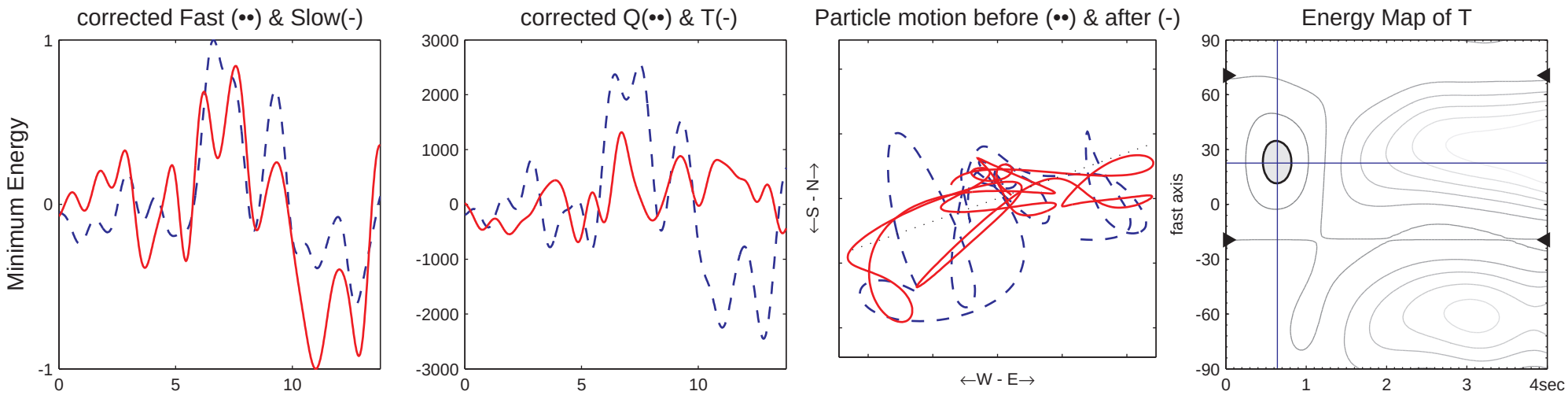
Event: **03-Sep-2008 (247) 11:25 -26.74N -63.23E 569km** Mw=**6.3**
Station: **LEF** Backazimuth: **250.5”** Distance: **109.63”**
init.Pol.: **68.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.8**

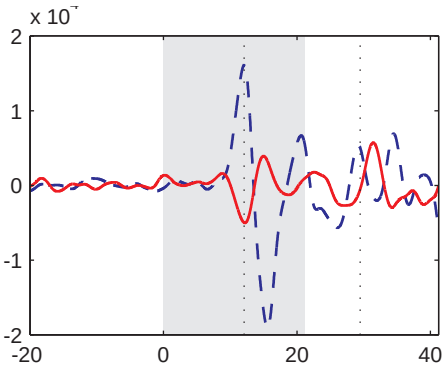
Rotation Correlation:	19<	24° <	30	0.6<0.6s<0.7
Minimum Energy:	11<	23° <	35	0.5<0.6s<0.8
Eigenvalue:	9<	21° <	35	0.5<0.6s<0.8

Quality: **good** IsNull: **No** Phase: **SKS**





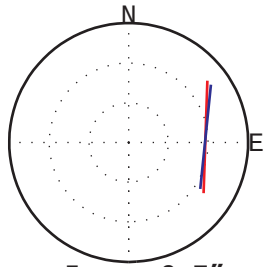


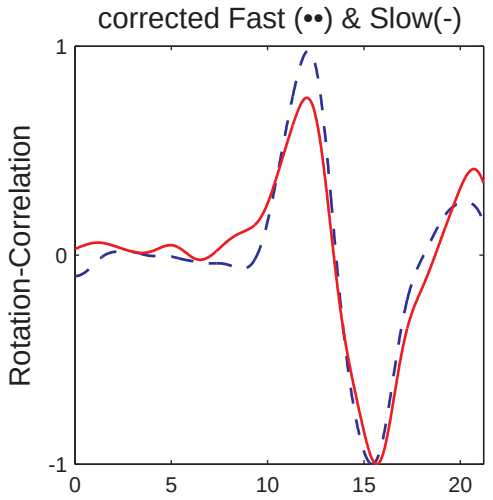


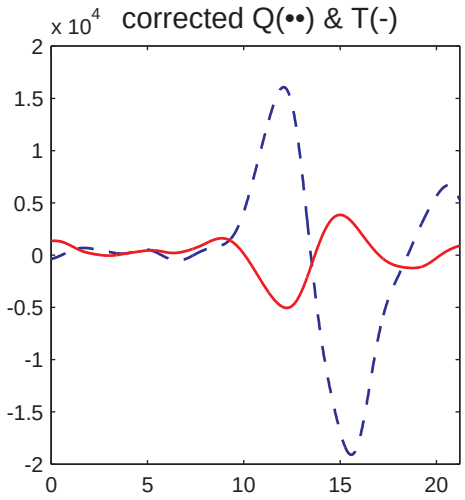
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **LEF** Backazimuth: **85.9”** Distance: **92.61”**
init.Pol.: **271.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.2**

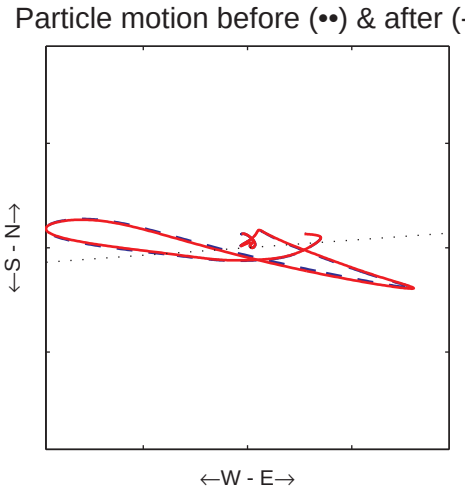
Rotation Correlation:	-53<	-37° < -24	0.0<0.0s<0.2
Minimum Energy:	-1<	2° < 5	2.8<3.5s<4.0
Eigenvalue:	-1<	6° < 9	1.9<3.3s<4.0

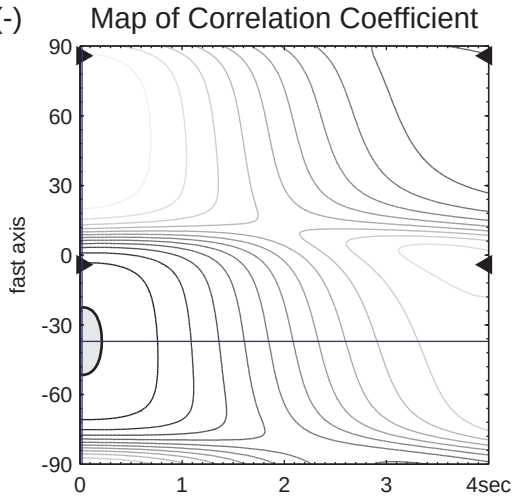
Quality: **good** IsNull: **Yes** Phase: **SKS**

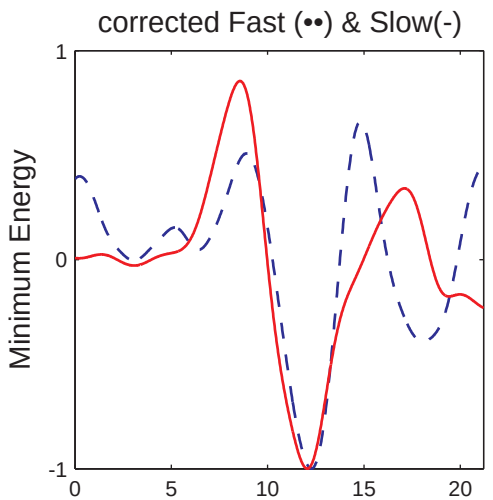


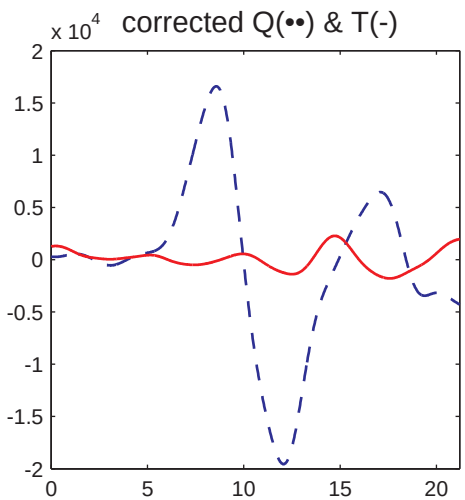


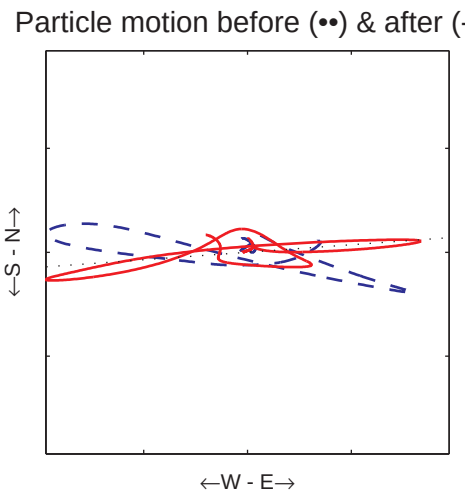


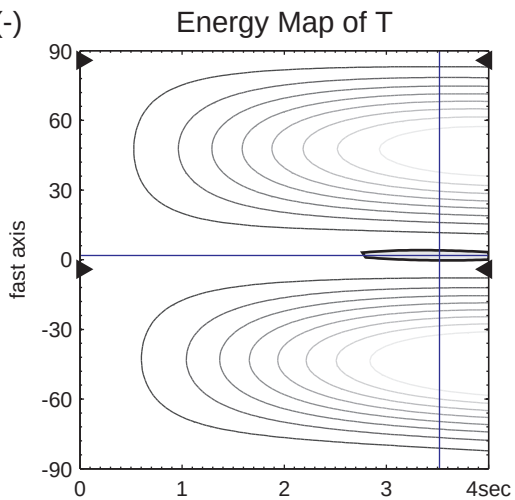


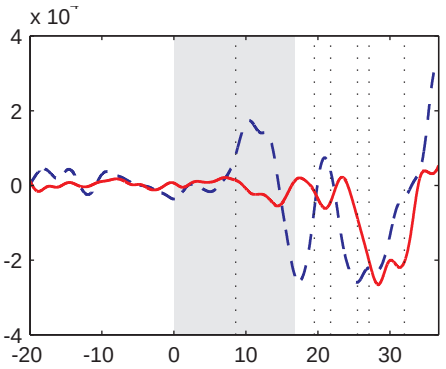








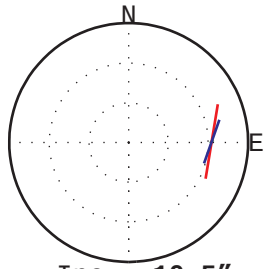




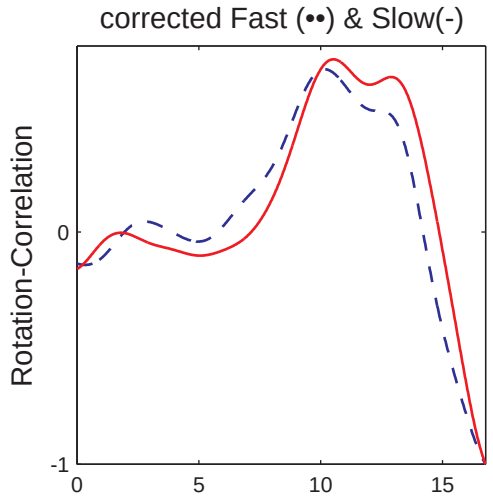
Event: **16-Nov-2008 (321) 17:02 1.27N 122.09E 30km Mw=7.4**
Station: **LEF** Backazimuth: **89.4”** Distance: **88.65”**
init.Pol.: **273.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**17.9**

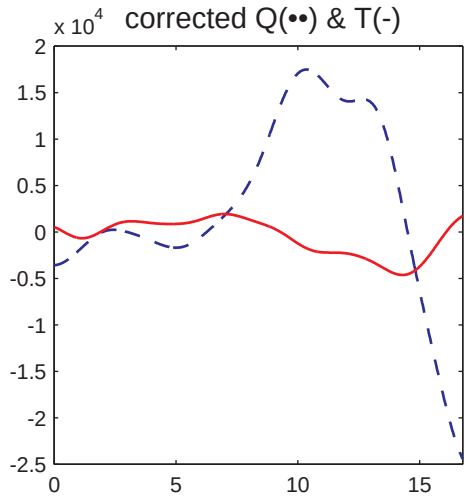
Rotation Correlation:	18<	48° <	82	0.0<0.1s<1.4
Minimum Energy:	5<	9° <	17	1.3<2.4s<3.2
Eigenvalue:	-1<	19° <	82	0.6<1.4s<3.9

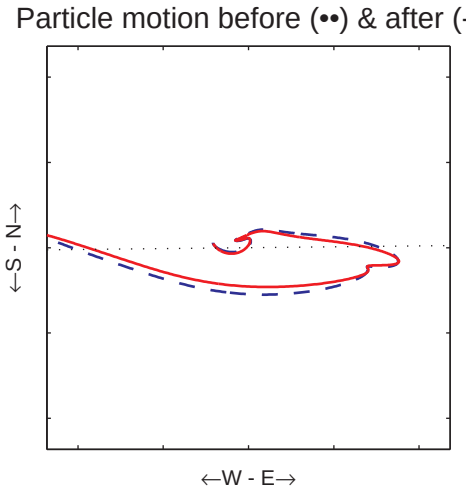
Quality: **good** IsNull: **Yes** Phase: **SKS**

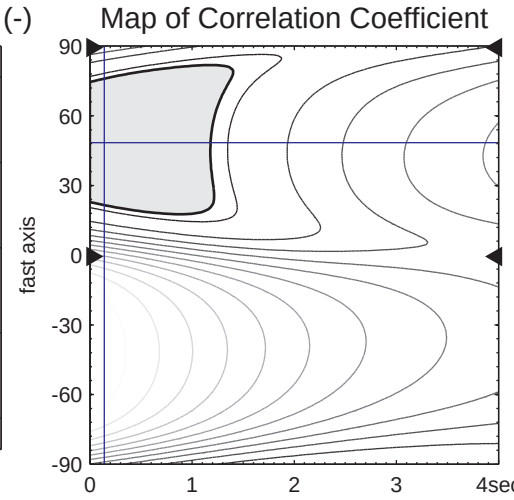


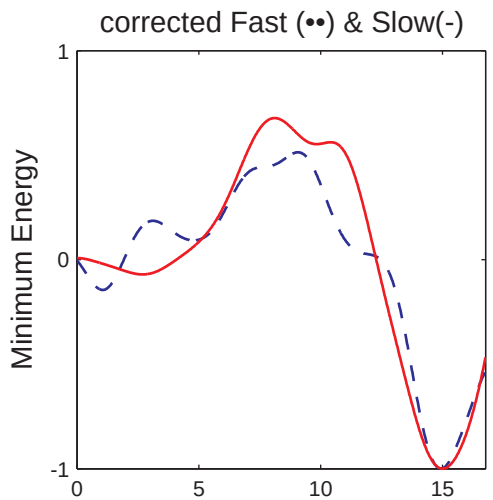
Inc = **10.5”**

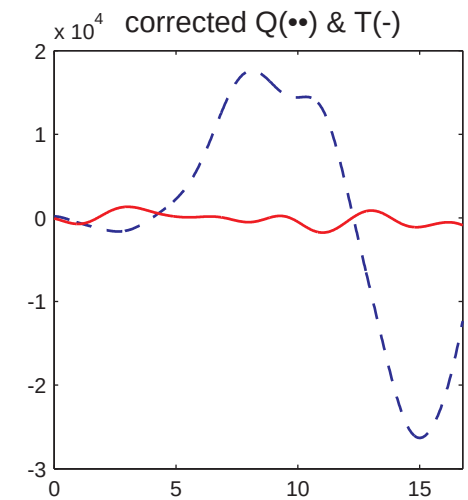


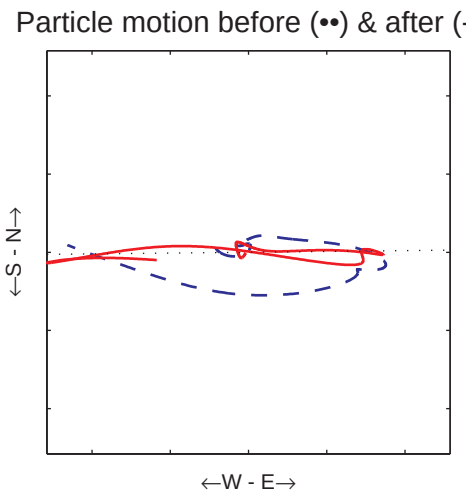


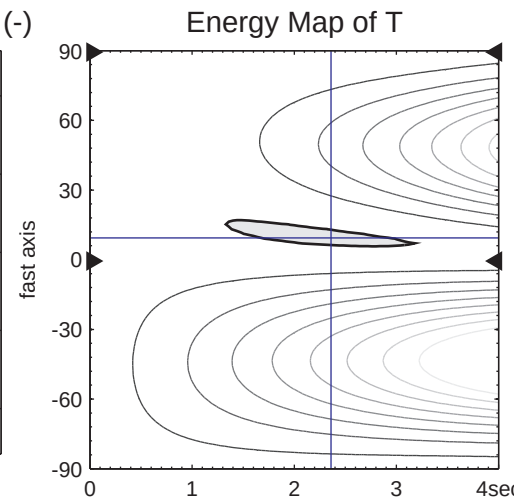


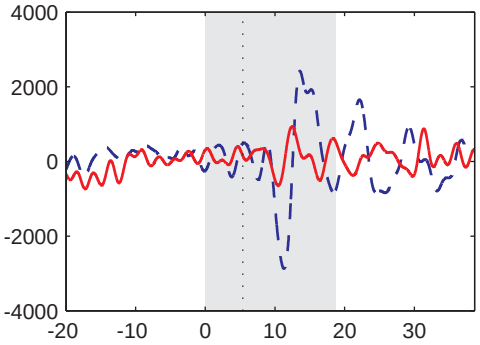








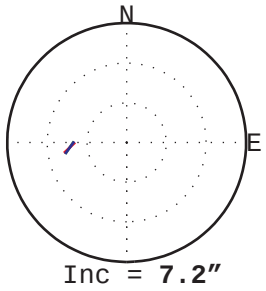


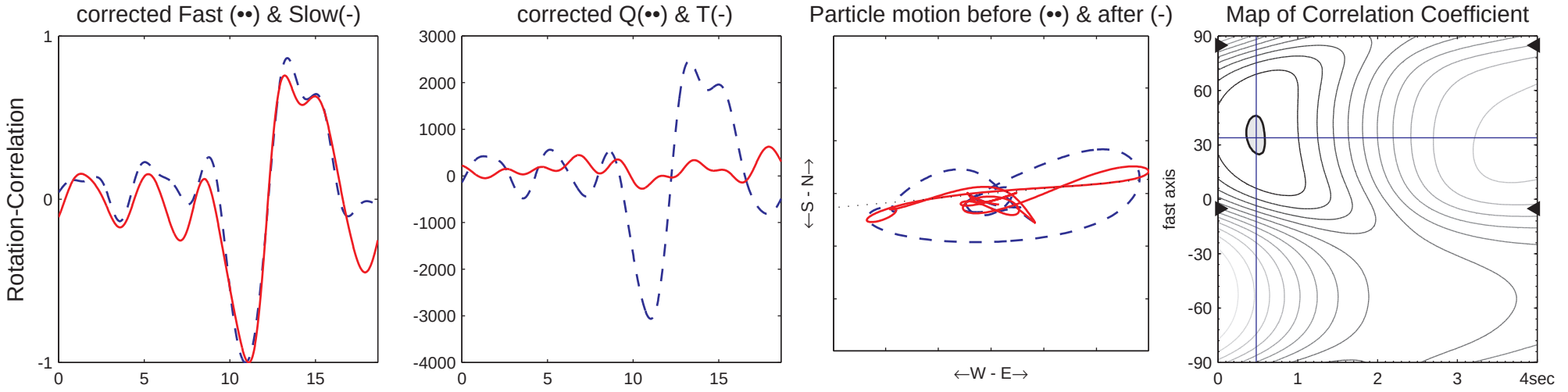


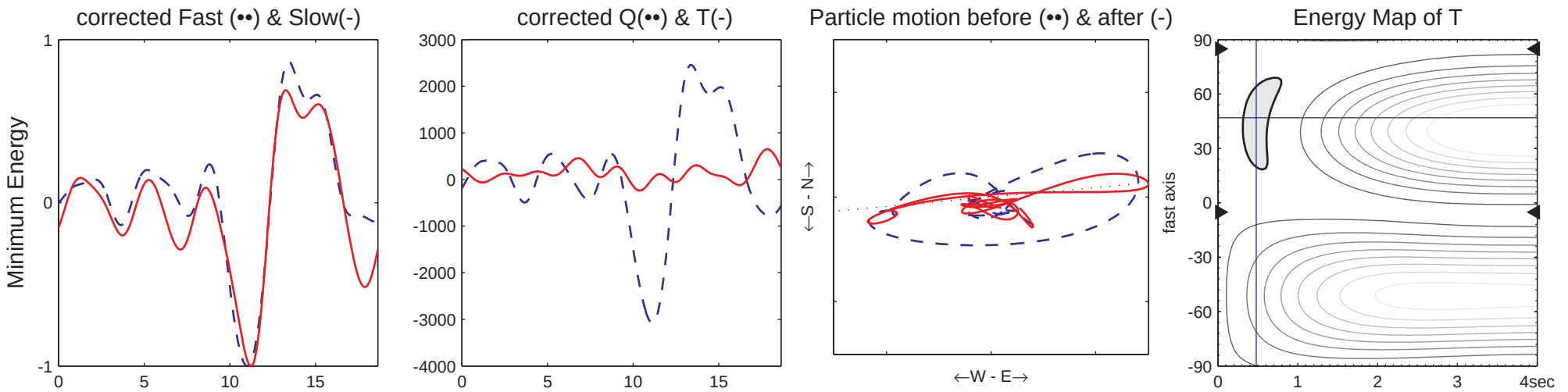
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km Mw=6.1**
Station: **LEF** Backazimuth: **264.9”** Distance: **109.32”**
init.Pol.: **82.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.5**

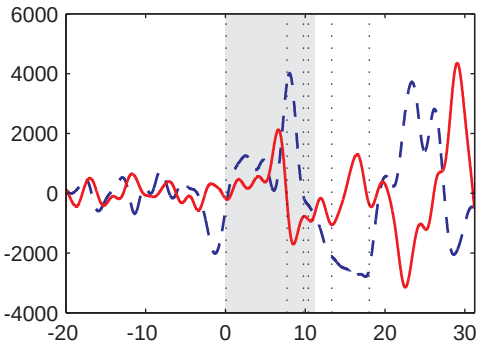
Rotation Correlation:	25<	34° <	46	0.4<0.5s<0.6
Minimum Energy:	19<	47° <	70	0.3<0.5s<0.8
Eigenvalue:	9<	37° <	68	0.4<0.5s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





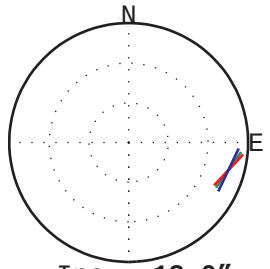




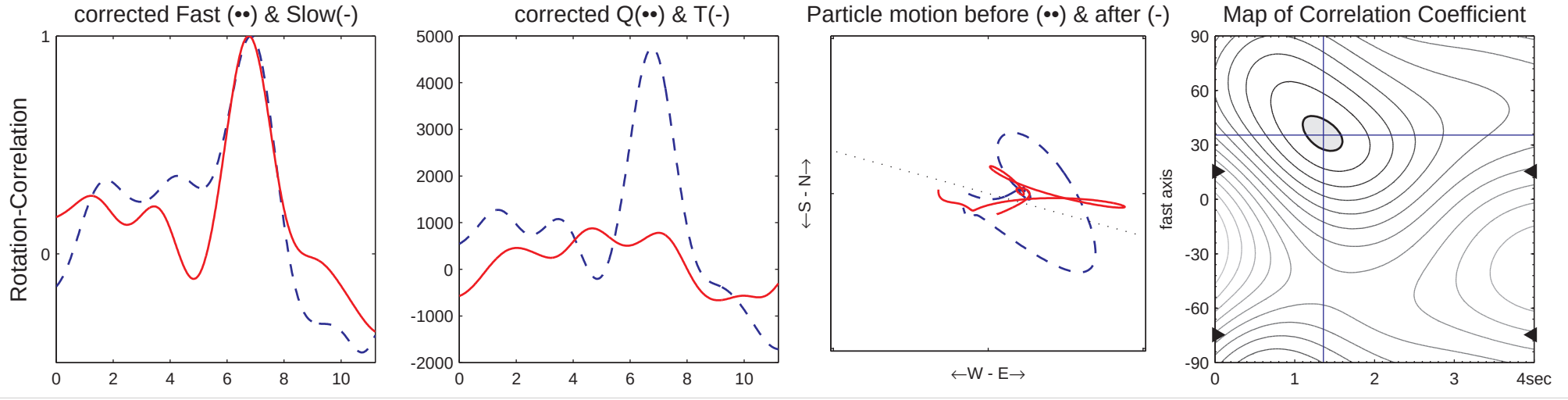
Event: **07-Sep-2009 (250) 16:12 -10.20N 110.63E 23km Mw=6.2**
Station: **LEF** Backazimuth: **105.4”** Distance: **86.07”**
init.Pol.: **263.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

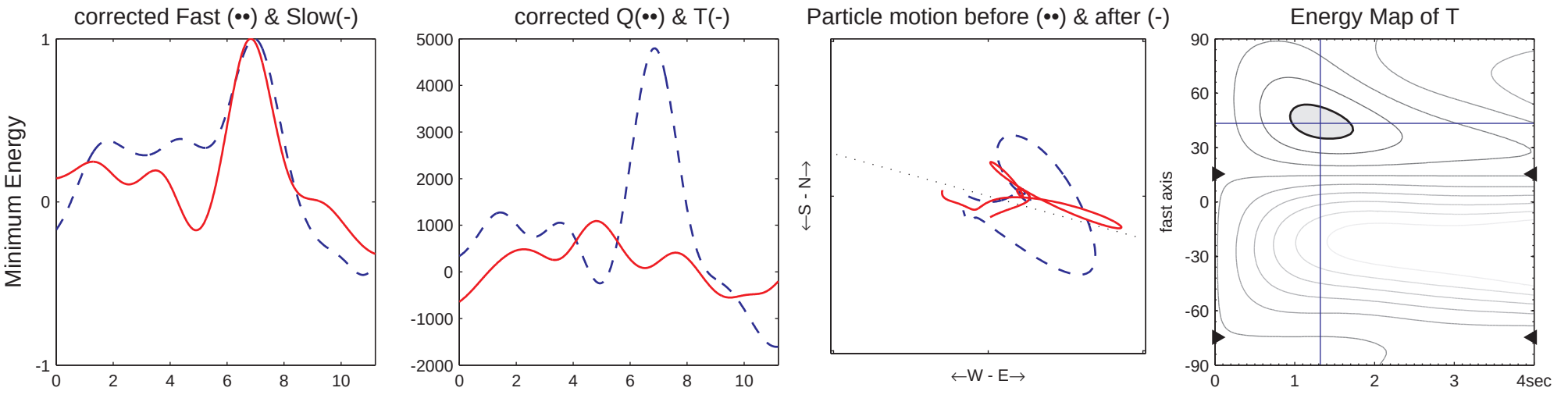
Rotation Correlation:	27<	35° <	46	1.1<1.4s<1.6
Minimum Energy:	35<	43° <	54	1.0<1.3s<1.7
Eigenvalue:	13<	25° <	37	1.2<1.5s<1.8

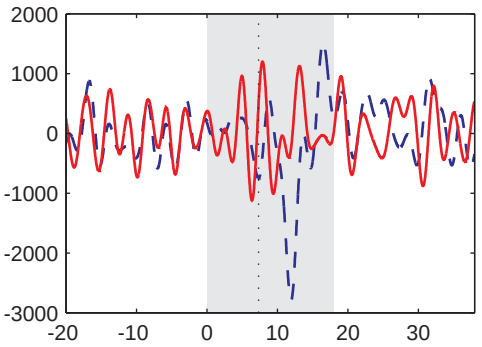
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



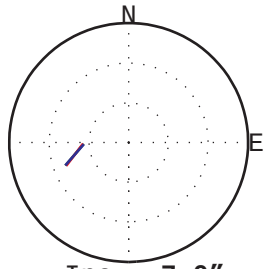




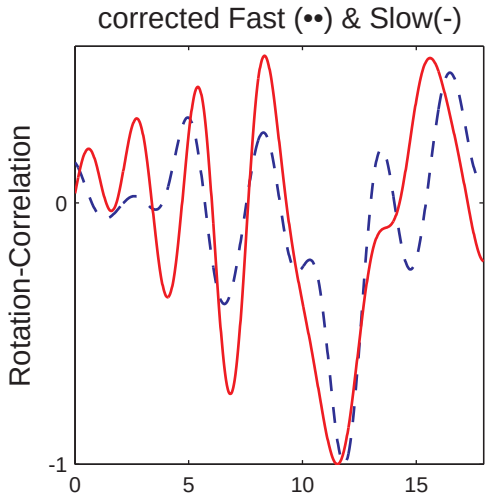
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **LEF** Backazimuth: **257.2”** Distance: **111.36”**
init.Pol.: **82.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

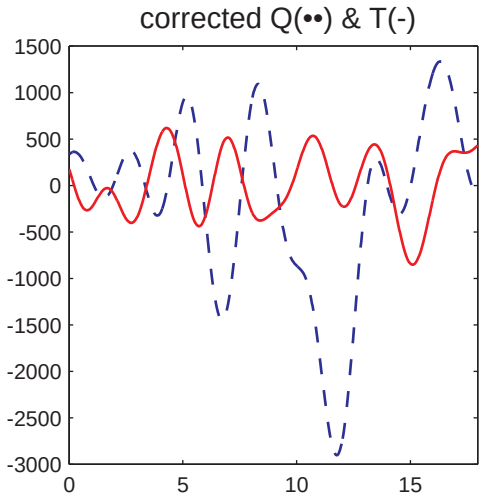
Rotation Correlation:	33<	40° <	49	0.8<0.9s<1.0
Minimum Energy:	23<	37° <	50	0.6<0.9s<1.2
Eigenvalue:	23<	41° <	58	0.6<0.9s<1.2

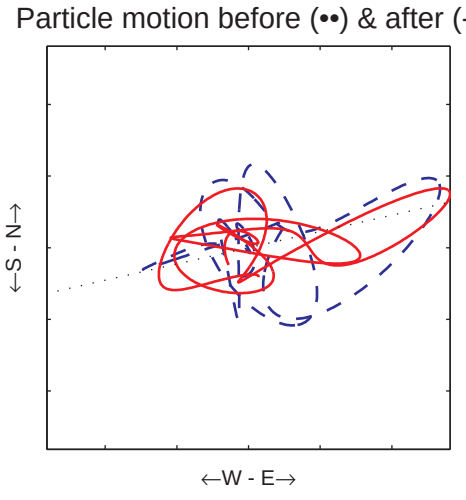
Quality: **good** IsNull: **No** Phase: **SKS**

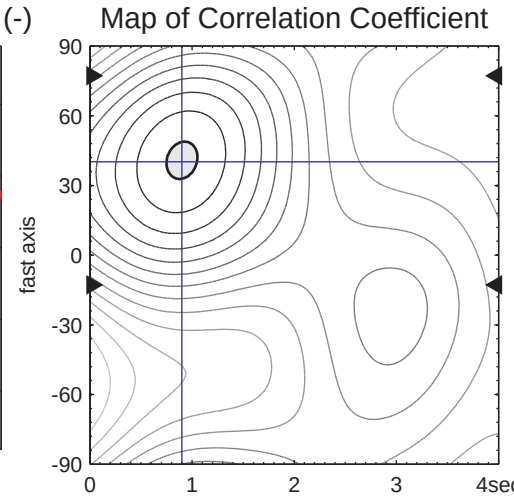


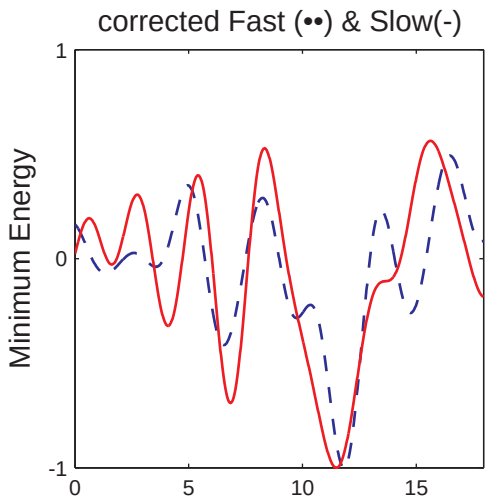
Inc = **7.0”**

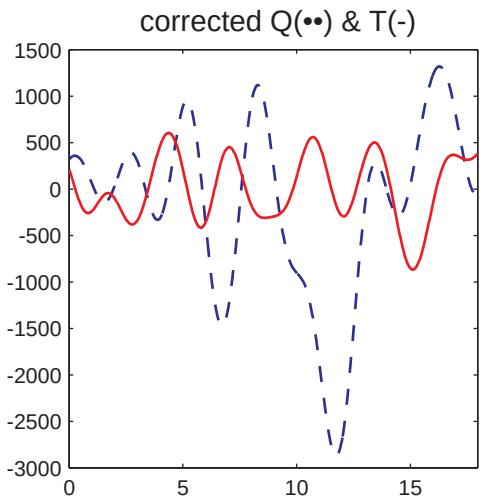


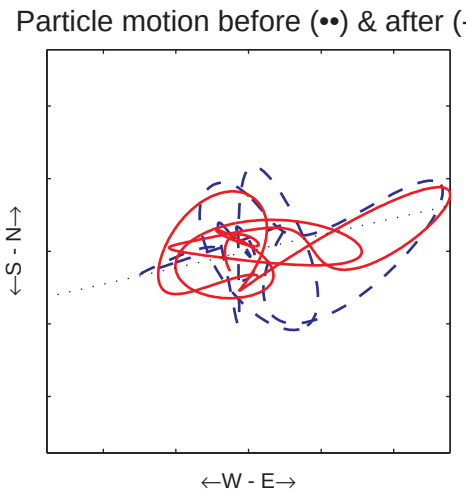


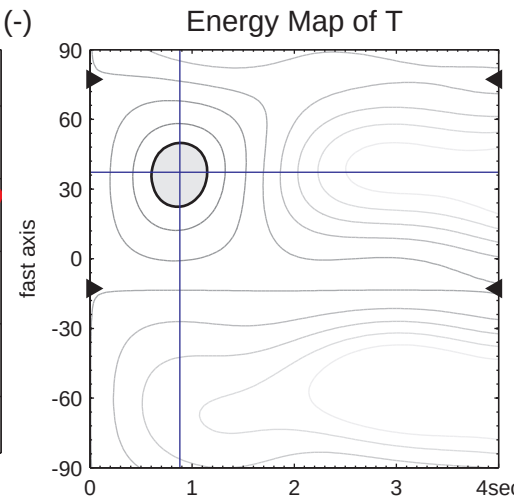


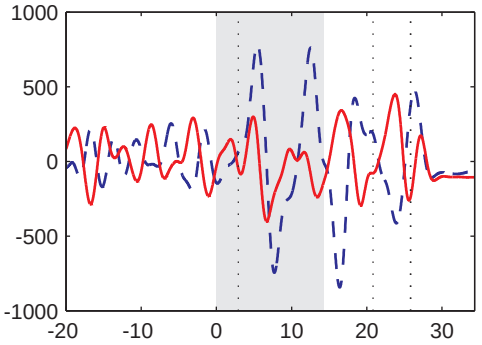








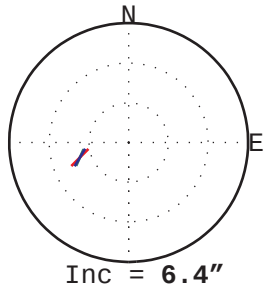


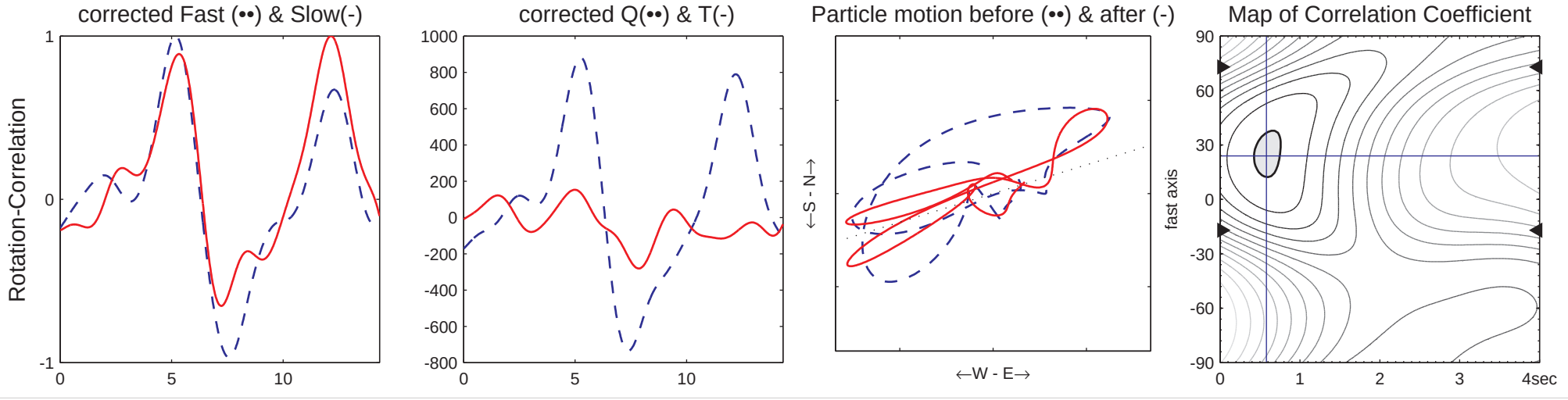


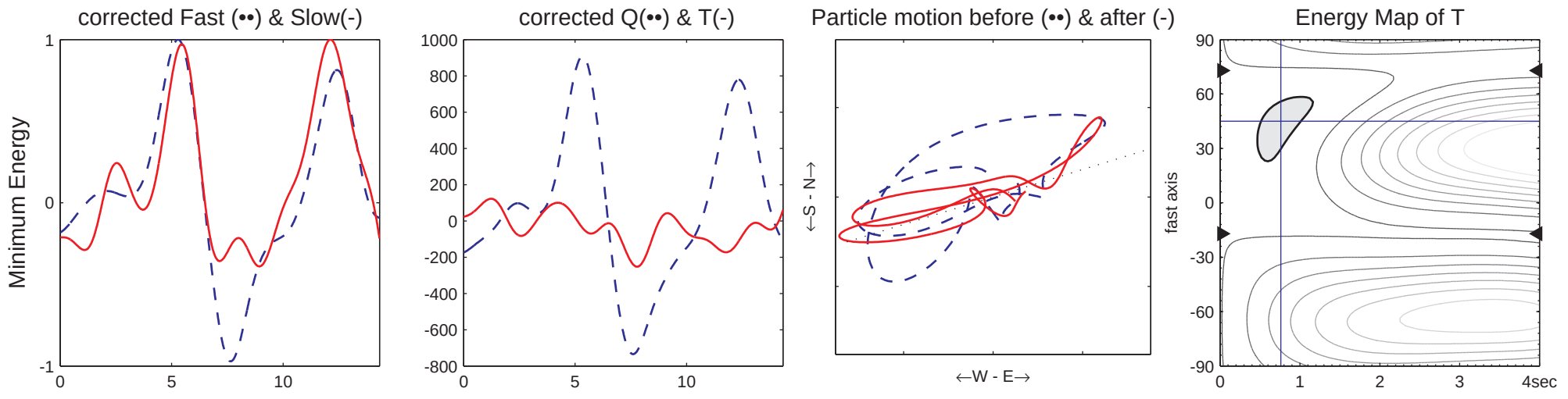
Event: **26-Mar-2010 (085) 14:52 -27.95N -70.82E 42km Mw=6.3**
Station: **LEF** Backazimuth: **252.9”** Distance: **116.12”**
init.Pol.: **67.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

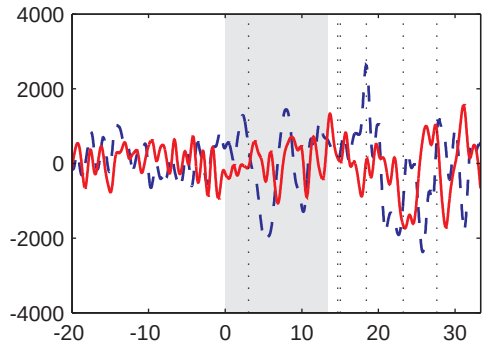
Rotation Correlation:	13<	24° <	38	0.4<0.6s<0.8
Minimum Energy:	23<	45° <	58	0.5<0.8s<1.2
Eigenvalue:	-5<	31° <	56	0.4<0.6s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





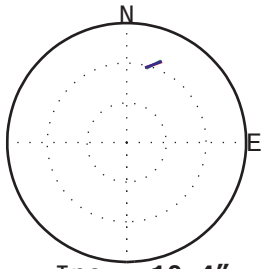




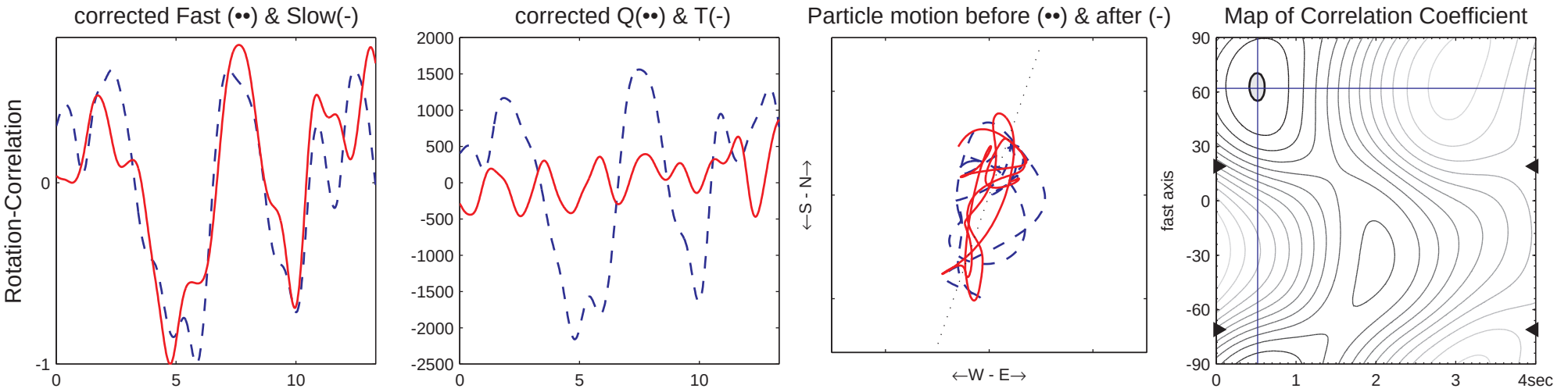
Event: **04-Aug-2010 (216) 12:58 51.42N -178.65E 27km Mw=6.4**
Station: **LEF** Backazimuth: **19.0”** Distance: **89.16”**
init.Pol.: **197.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.8**

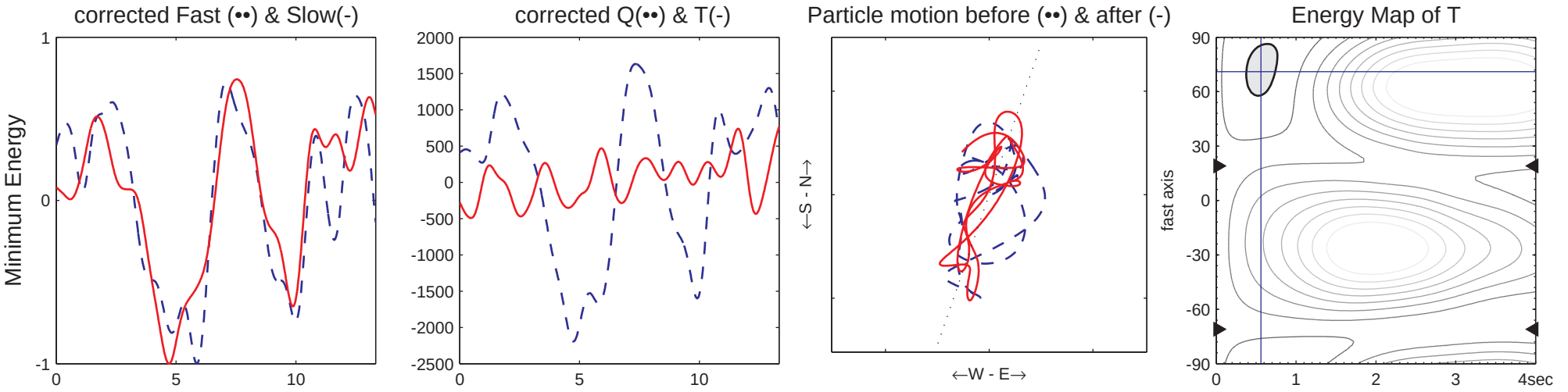
Rotation Correlation:	55<	62° <	71	0.4<0.5s<0.6
Minimum Energy:	58<	71° <	86	0.4<0.6s<0.8
Eigenvalue:	52<	69° <	88	0.4<0.6s<0.8

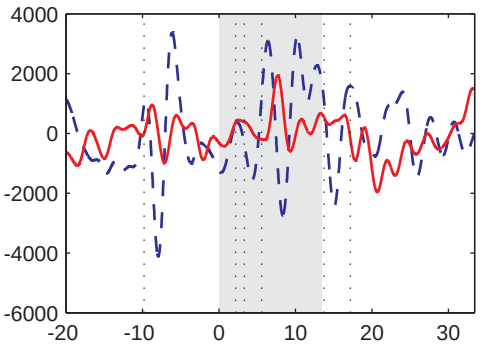
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



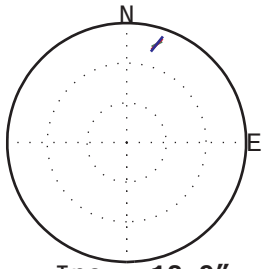




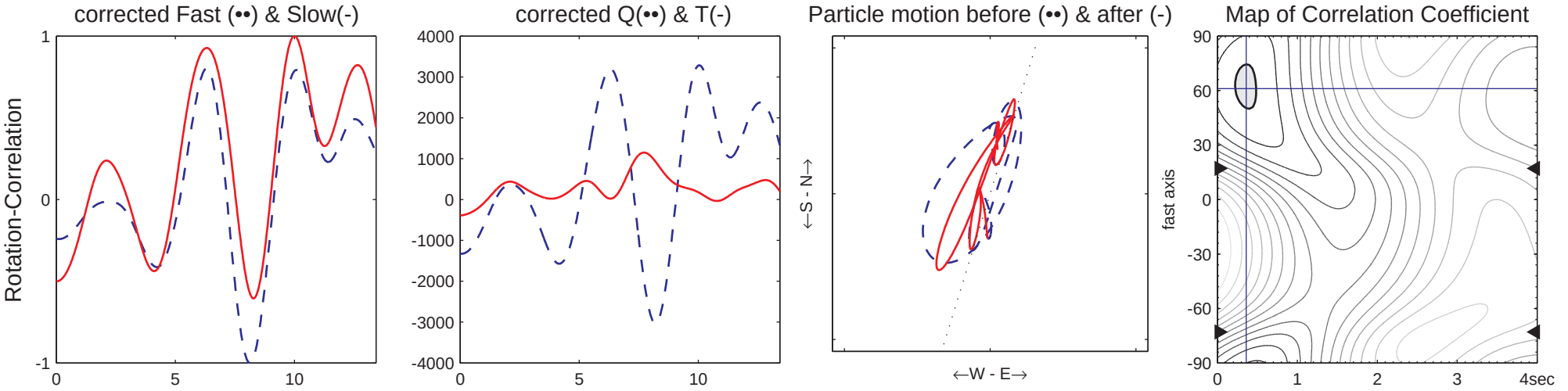
Event: **08-Oct-2010 (281) 03:49 51.29N -175.18E 27km Mw=6.0**
Station: **LEF** Backazimuth: **17.1”** Distance: **90.16”**
init.Pol.: **195.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

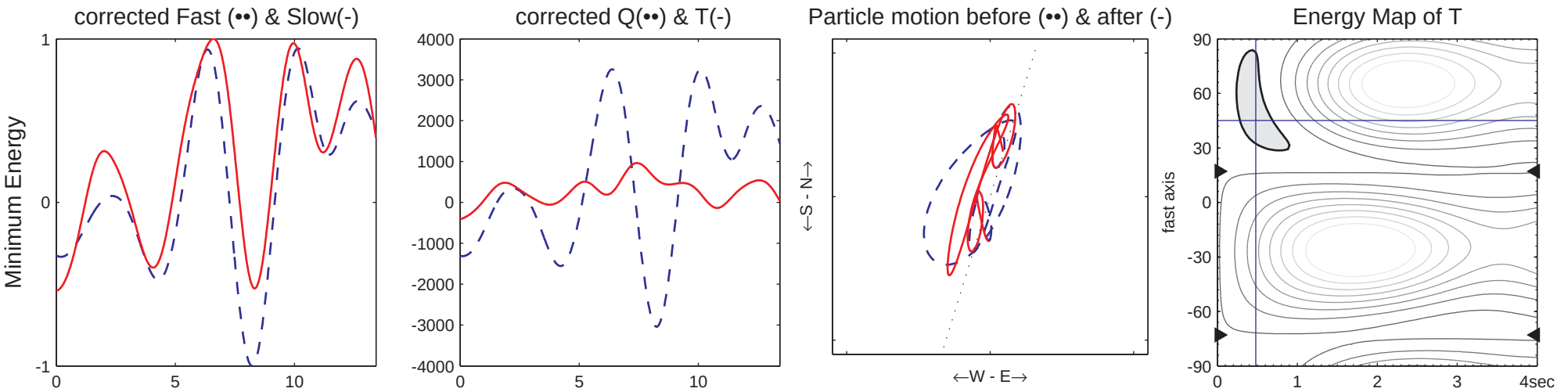
Rotation Correlation:	50<	61° <	75	0.2<0.4s<0.5
Minimum Energy:	29<	45° <	84	0.2<0.5s<0.9
Eigenvalue:	25<	39° <	74	0.4<0.6s<1.0

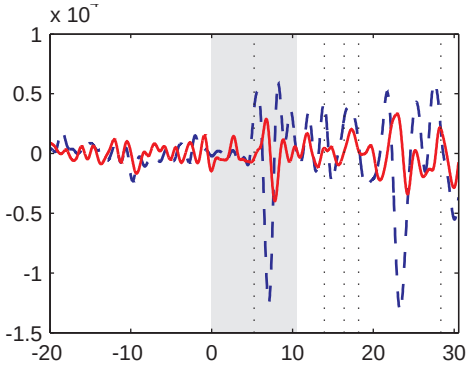
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.9”**



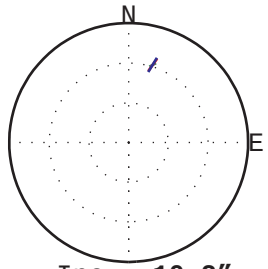




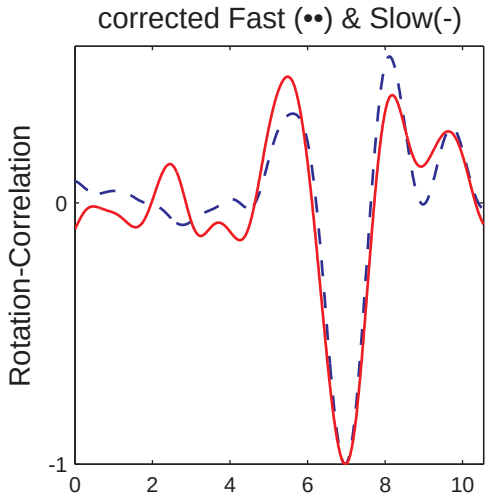
Event: **08-Oct-2010 (281) 03:26 51.37N -175.36E 19km Mw=6.4**
Station: **LEF** Backazimuth: **17.2”** Distance: **90.04”**
init.Pol.: **194.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.0**

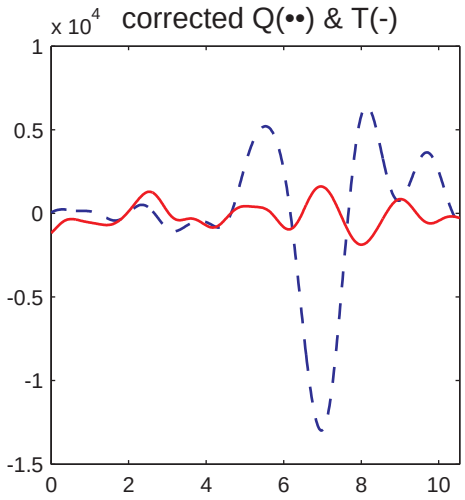
Rotation Correlation:	49<	62° <	76	0.2<0.2s<0.3
Minimum Energy:	31<	35° <	43	0.3<0.5s<0.6
Eigenvalue:	23<	31° <	43	0.4<0.5s<0.7

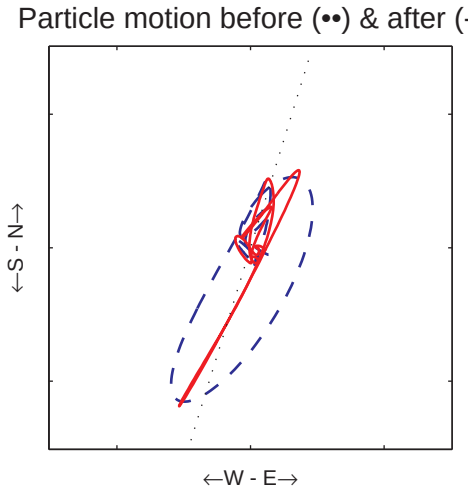
Quality: **fair** IsNull: **No** Phase: **SKS**

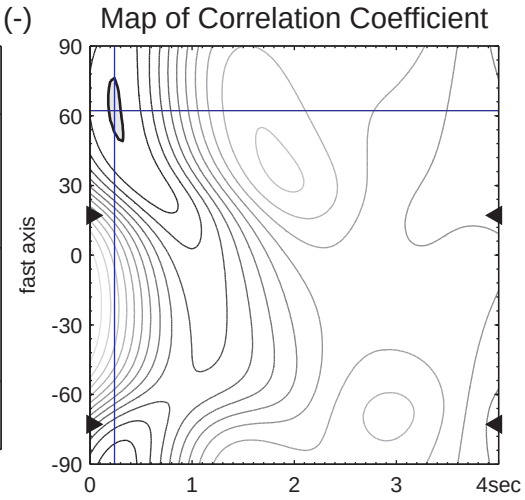


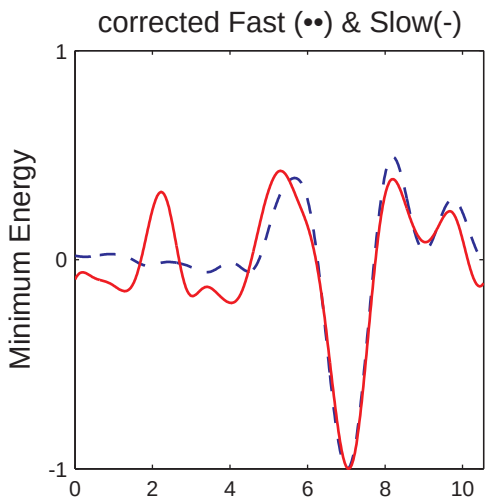
Inc = **10.2”**

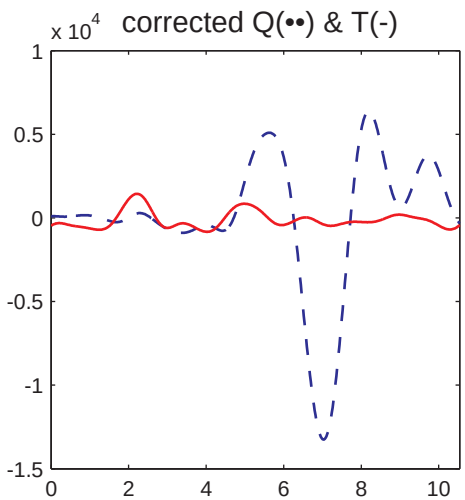


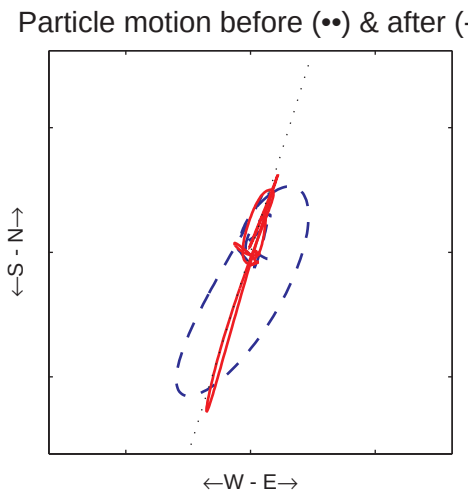


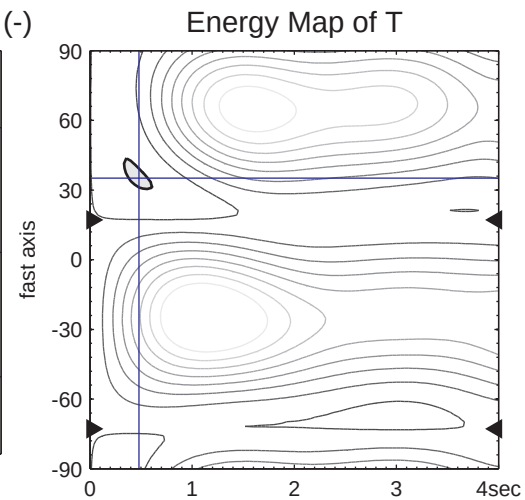


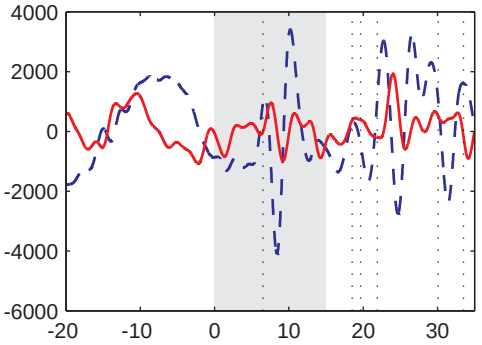








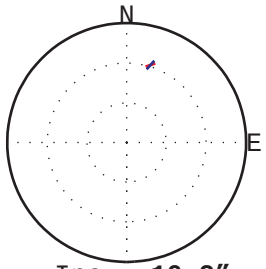




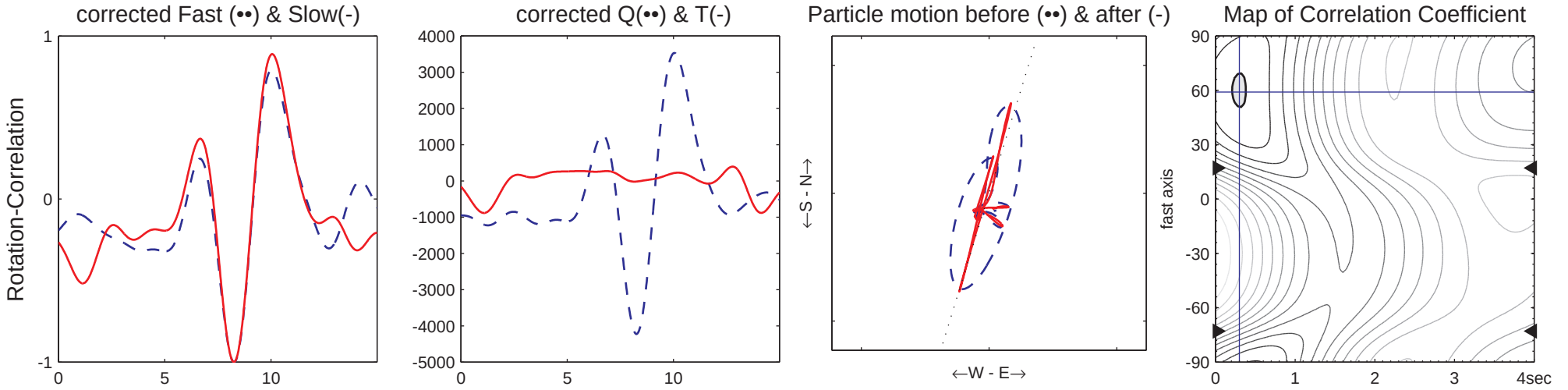
Event: **08-Oct-2010 (281) 03:49 51.29N -175.18E 27km Mw=6.0**
Station: **LEF** Backazimuth: **17.1”** Distance: **90.16”**
init.Pol.: **192.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

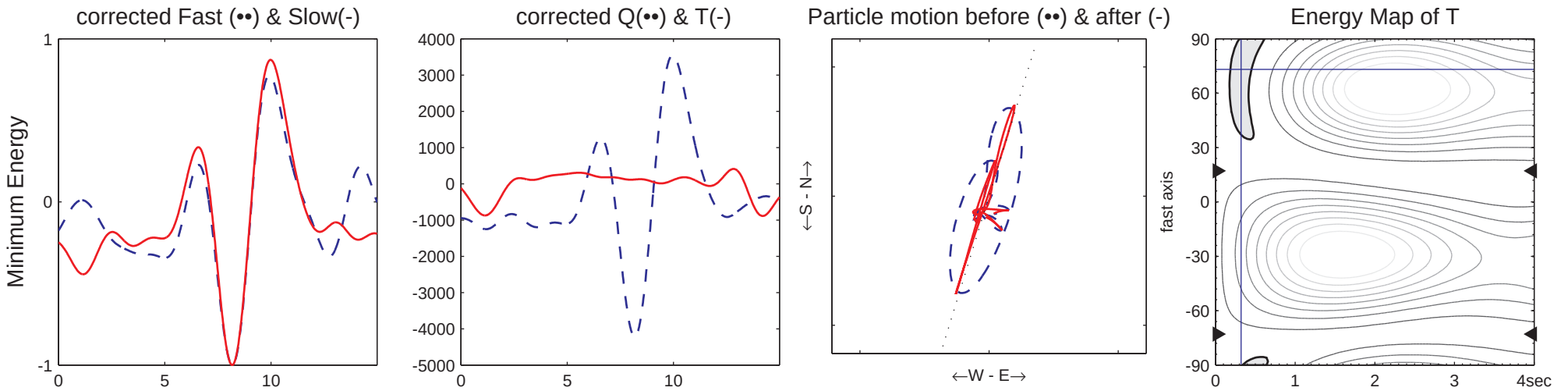
Rotation Correlation:	51<	59° <	69	0.2<0.3s<0.4
Minimum Energy:	35<	73° <	-88	0.2<0.3s<0.6
Eigenvalue:	13<	41° <	-86	0.2<0.4s<1.1

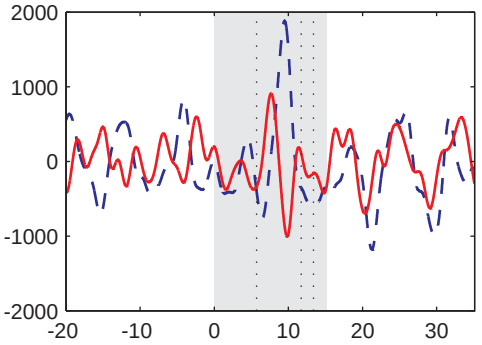
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.2”**

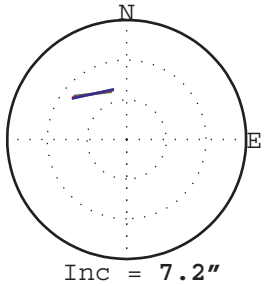


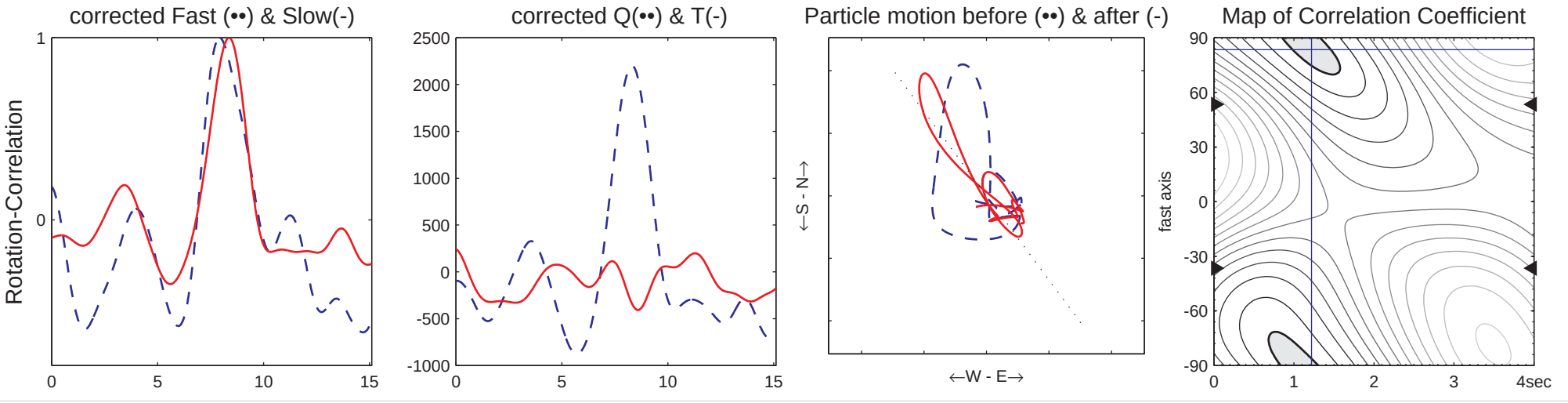


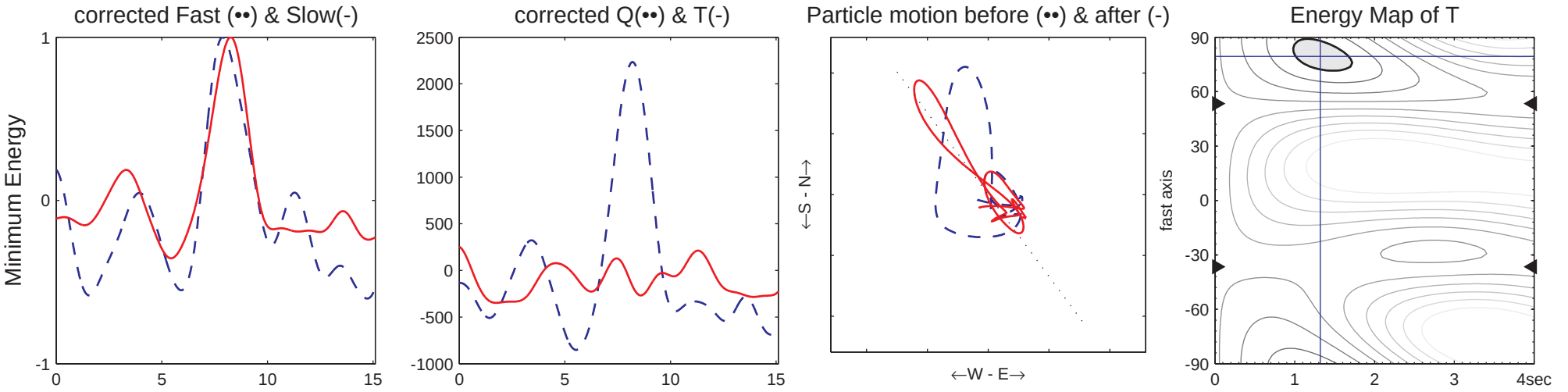


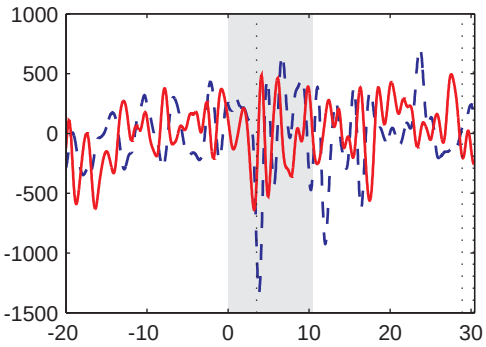
Event: **21-Oct-2010 (294) 17:53 24.70N -109.16E 13km** Mw=**6.7**
Station: **LEF** Backazimuth: **323.4"** Distance: **110.20"**
init.Pol.: **141.1"** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

Rotation Correlation:	70<	83° < -73	0.7<1.2s<1.6
Minimum Energy:	72<	79° < -92	1.0<1.3s<1.7
Eigenvalue:	66<	77° < -92	1.0<1.4s<1.7
Quality: **fair**	IsNull: **No**		Phase: **SKS**





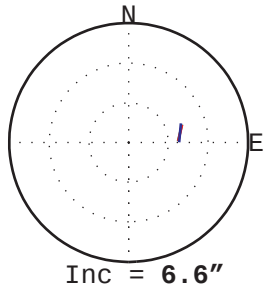


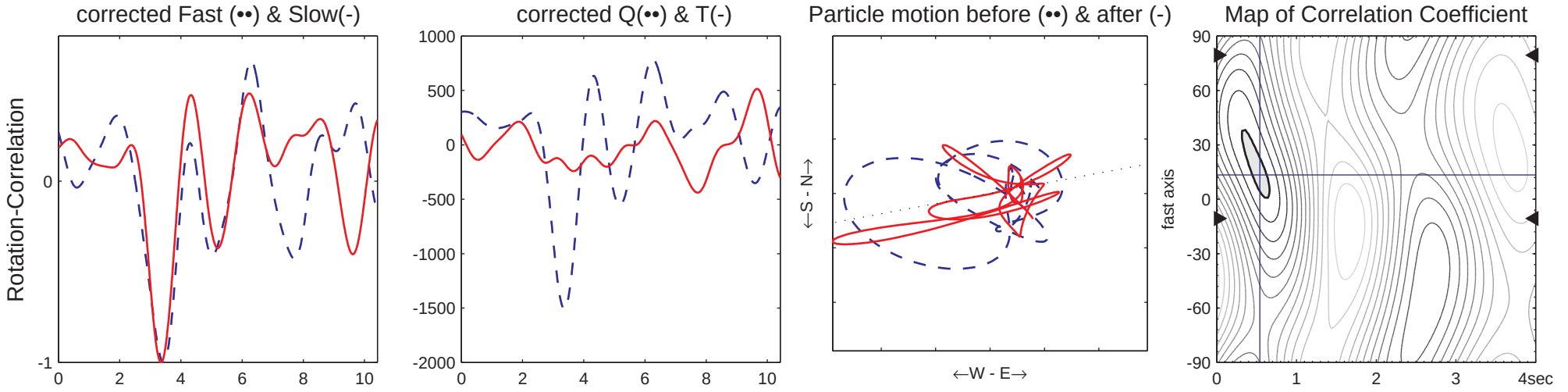


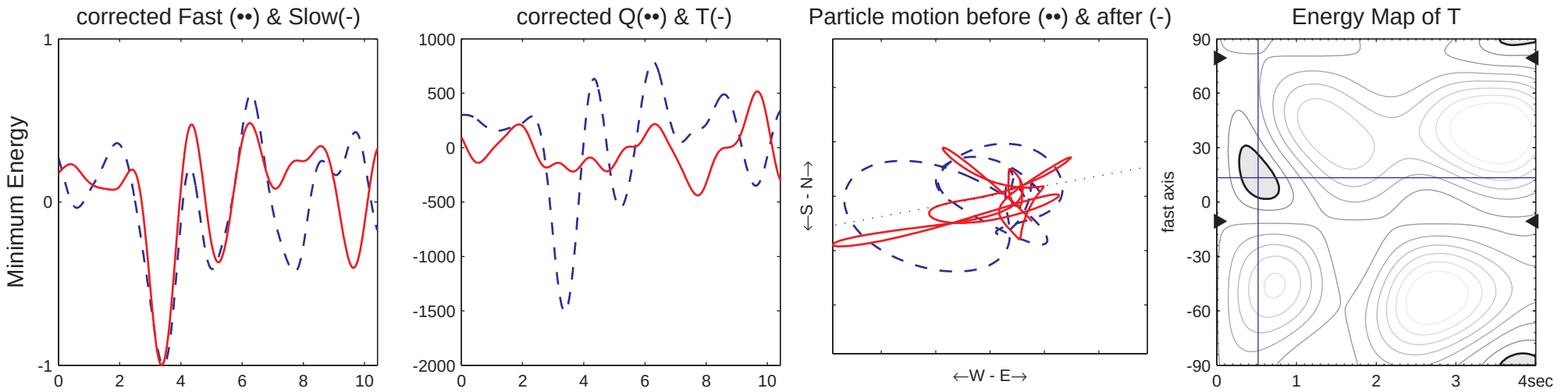
Event: **23-Nov-2010 (327) 09:01 -5.96N 148.97E 68km Mw=6.1**
Station: **LEF** Backazimuth: **79.4”** Distance: **114.70”**
init.Pol.: **248.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.8**

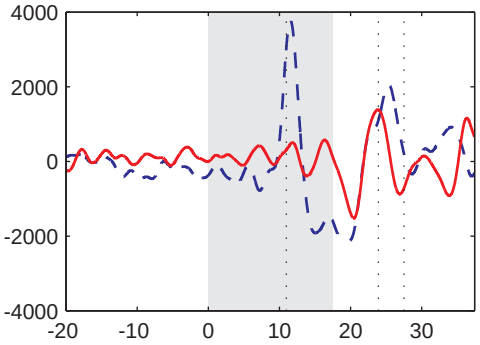
Rotation Correlation:	1<	13° <	38	0.3<0.5s<0.7
Minimum Energy:	1<	13° <	31	0.3<0.5s<0.8
Eigenvalue:	-13<	5° <	27	0.3<0.6s<0.8

Quality: **good** IsNull: **No** Phase: **SKS**



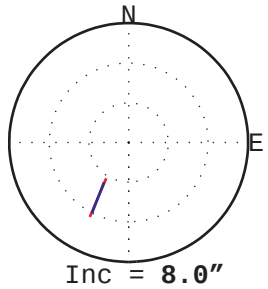


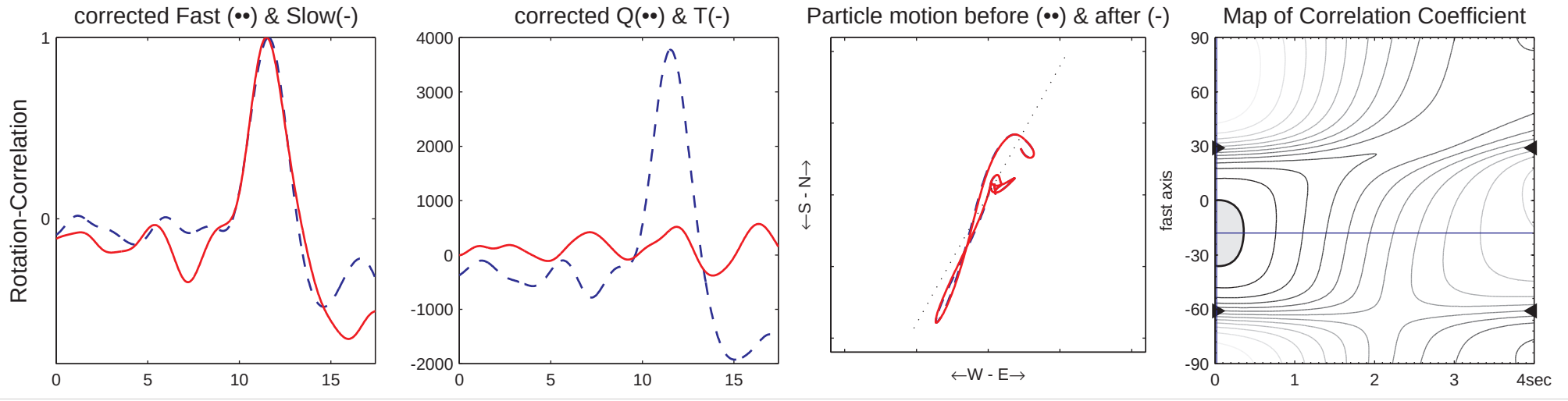


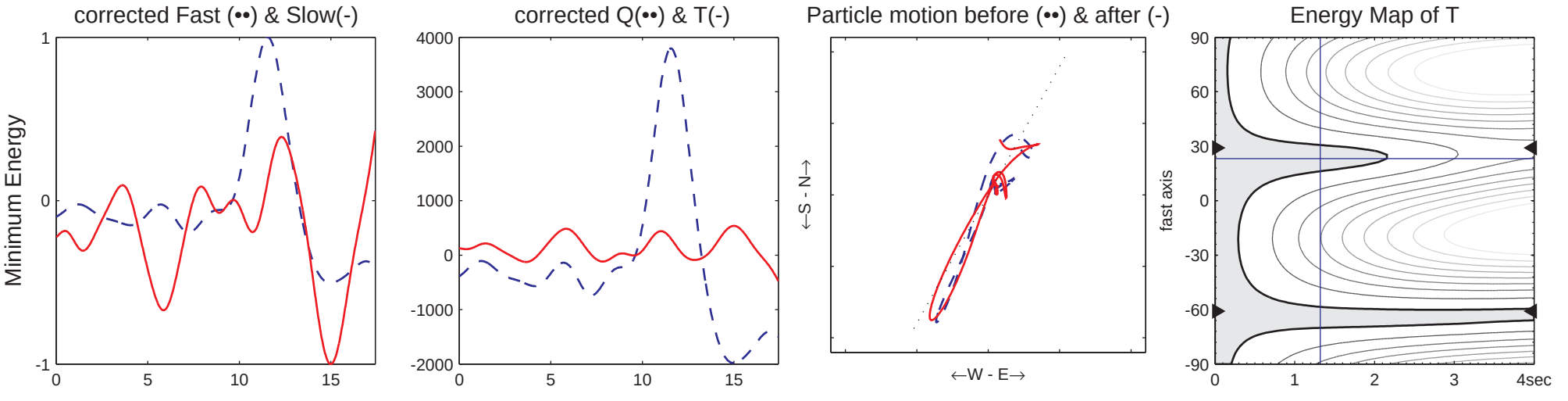


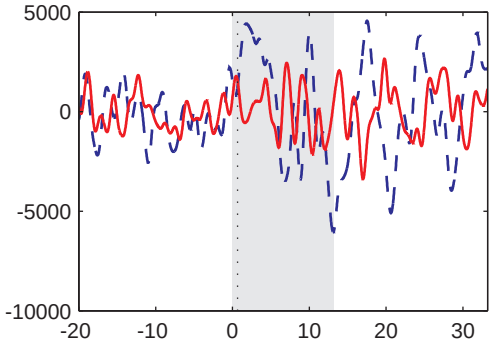
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **LEF** Backazimuth: **209.1”** Distance: **104.08”**
init.Pol.: **27.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.2**

Rotation Correlation: -37< -18° < -1 0.0<0.0s<0.4
Minimum Energy: -Inf< 23° < Inf 0.0<1.3s<Inf
Eigenvalue: -Inf< 21° < Inf 0.0<1.0s<Inf
Quality: **good** IsNull: **Yes** Phase: **SKS**





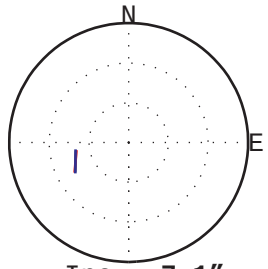




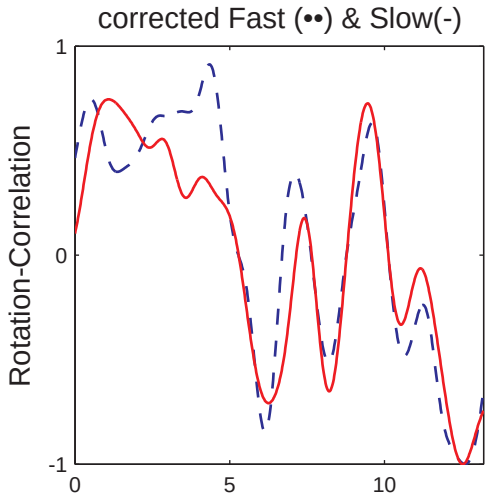
Event: **01-Jan-2011 (001) 09:56 -26.80N -63.14E 576km Mw=7.0**
Station: **LEF** Backazimuth: **250.4”** Distance: **109.60”**
init.Pol.: **66.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.5**

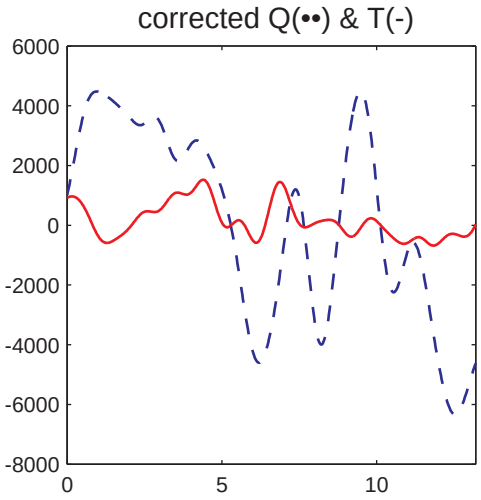
Rotation Correlation:	-4<	2° <	14	0.5<0.7s<0.8
Minimum Energy:	-1<	4° <	13	0.6<0.7s<0.9
Eigenvalue:	-5<	0° <	9	0.6<0.8s<0.9

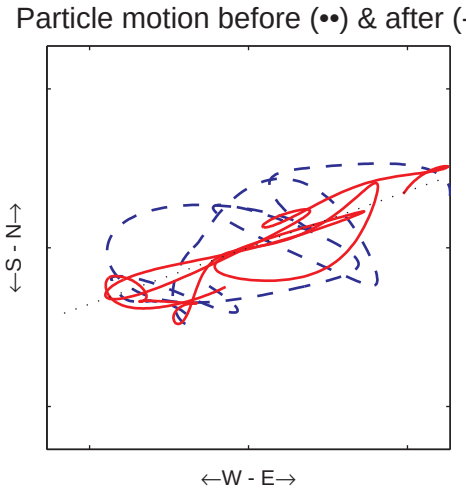
Quality: **good** IsNull: **No** Phase: **SKS**

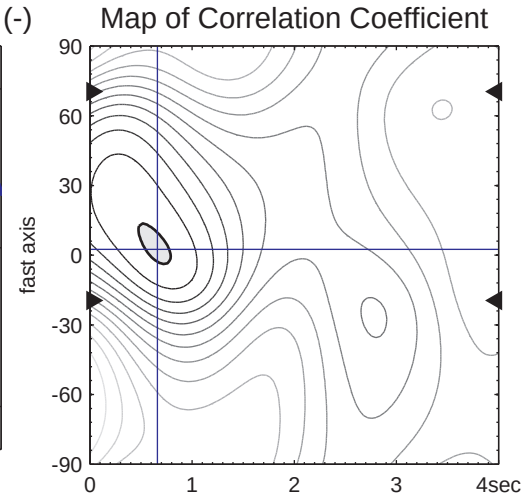


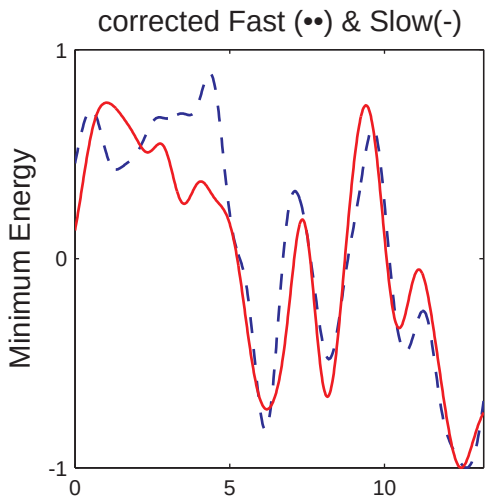
Inc = **7.1”**

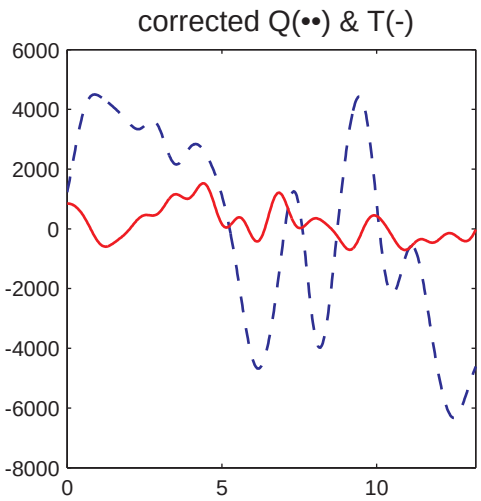


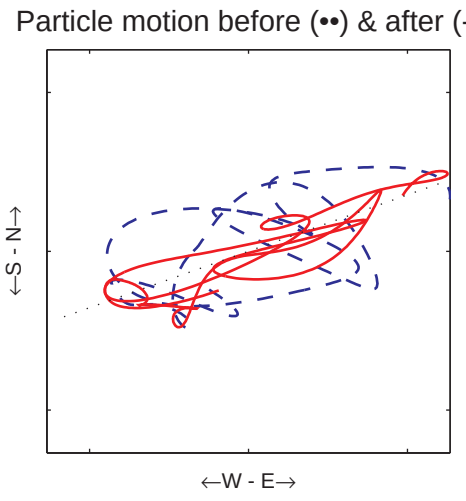


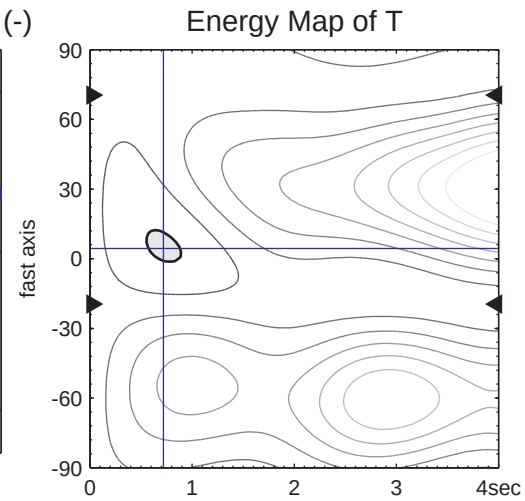


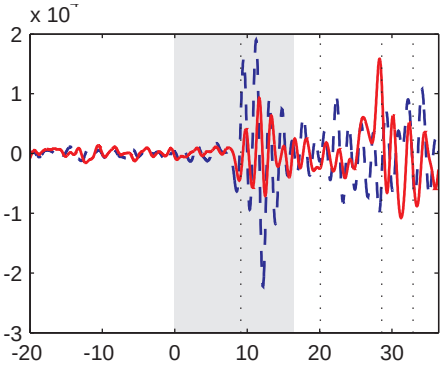








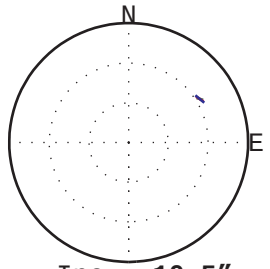


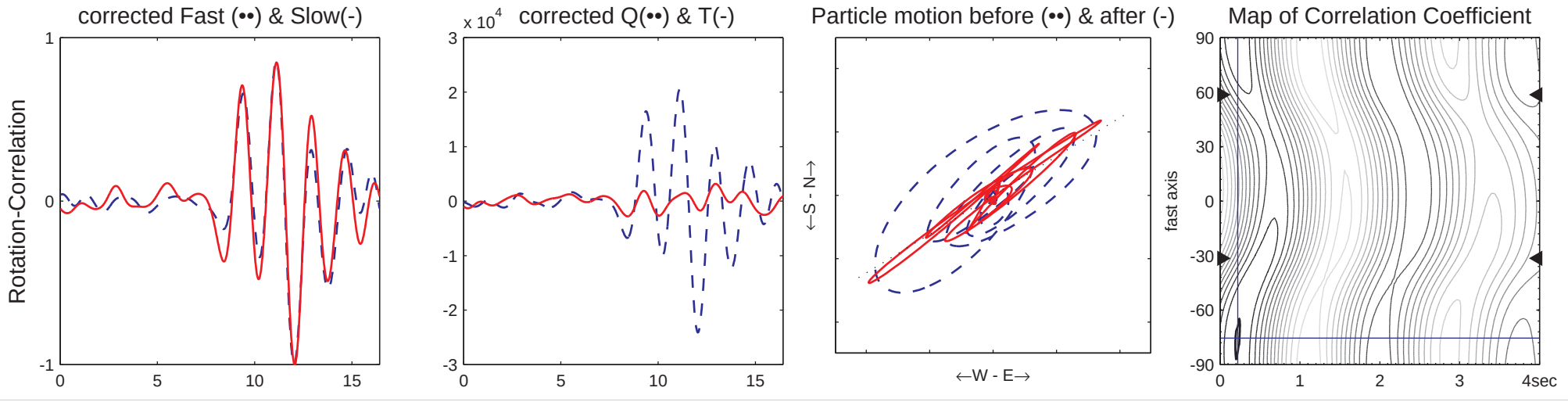


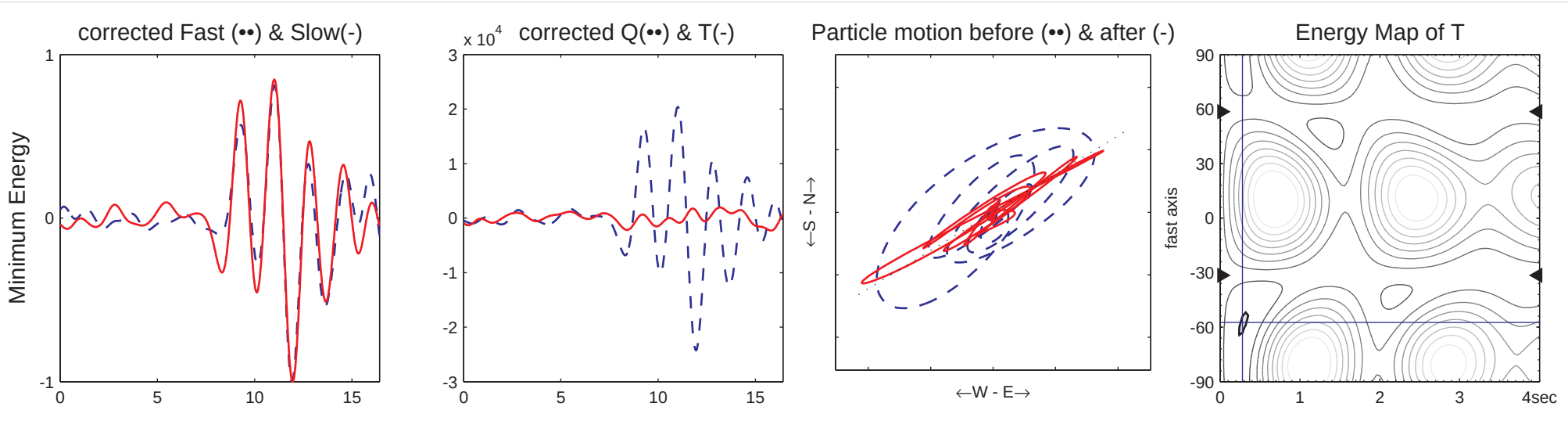
Event: **12-Jan-2011 (012) 21:32 26.97N 139.88E 512km Mw=6.4**
Station: **LEF** Backazimuth: **58.5”** Distance: **87.29”**
init.Pol.: **243.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.1**

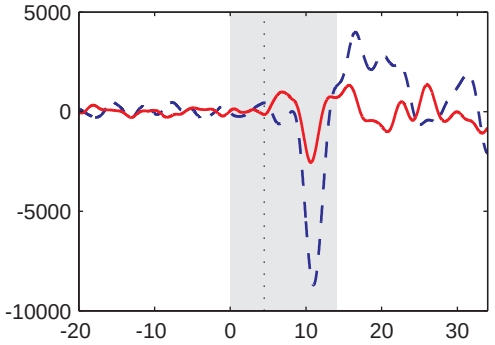
Rotation Correlation:	-88< -75° < -66	0.2<0.2s<0.2
Minimum Energy:	-66< -57° < -54	0.2<0.3s<0.4
Eigenvalue:	-64< -49° < -39	0.3<0.4s<0.5

Quality: **fair** IsNull: **No** Phase: **SKS**





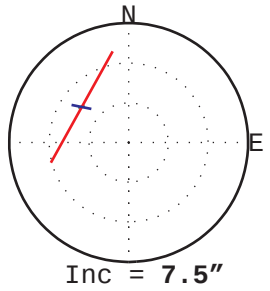


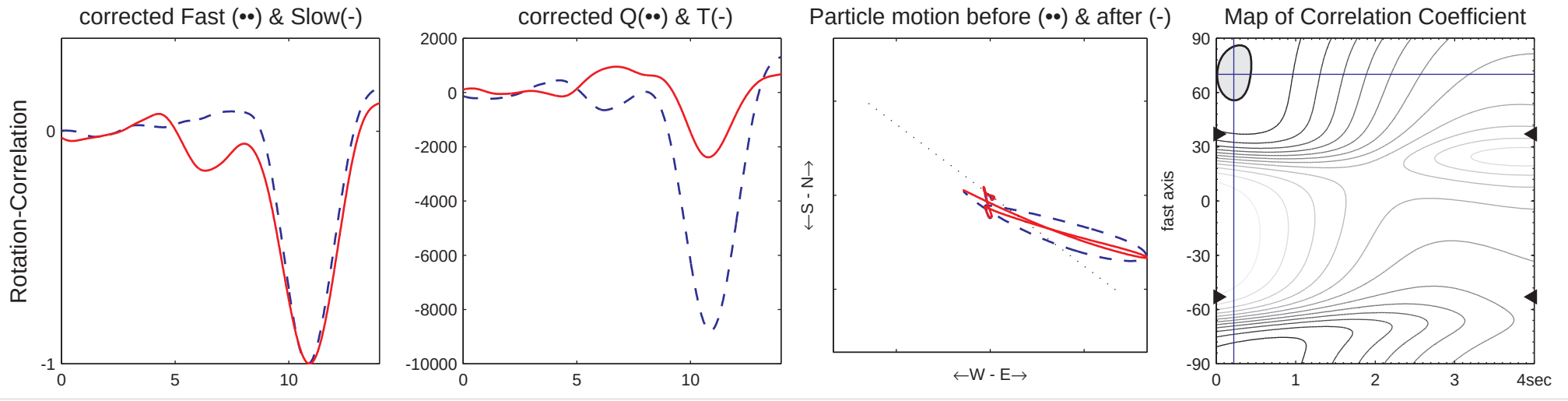


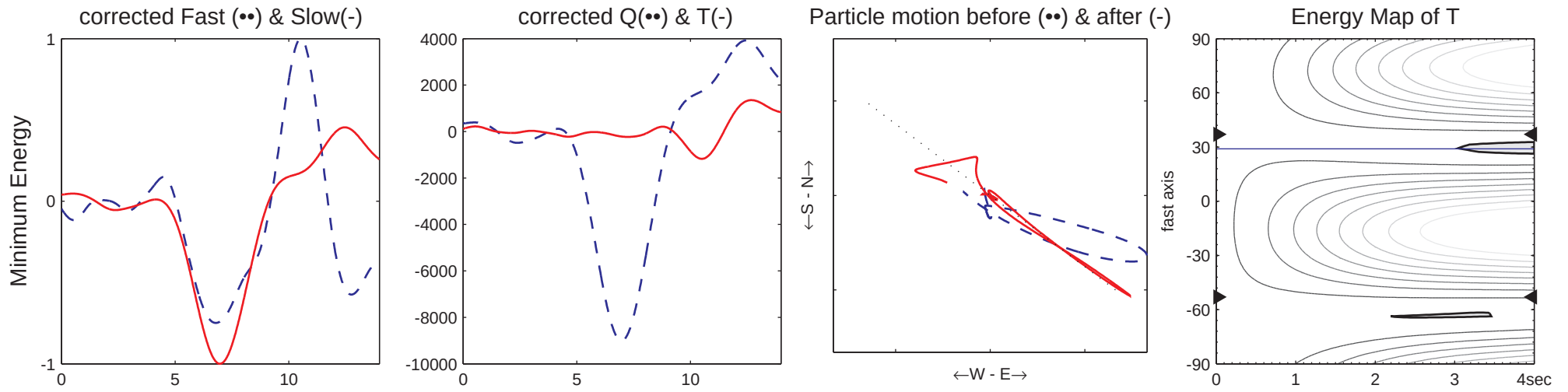
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **LEF** Backazimuth: **307.0”** Distance: **107.58”**
init.Pol.: **112.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

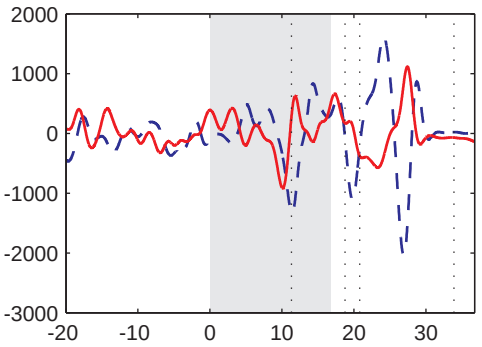
Rotation Correlation:	56<	70° <	86	0.0<0.2s<0.4
Minimum Energy:	27<	29° <	33	3.0<4.0s<4.0
Eigenvalue:	25<	-79° <	-72	0.1<0.6s<1.9

Quality: **good** IsNull: **Yes** Phase: **SKS**





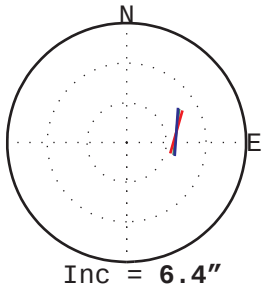


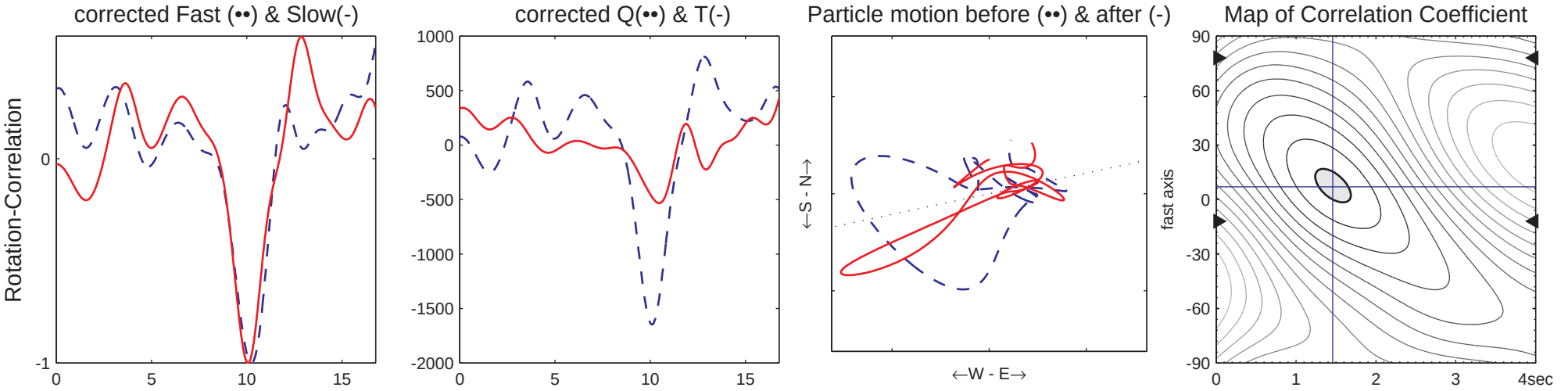


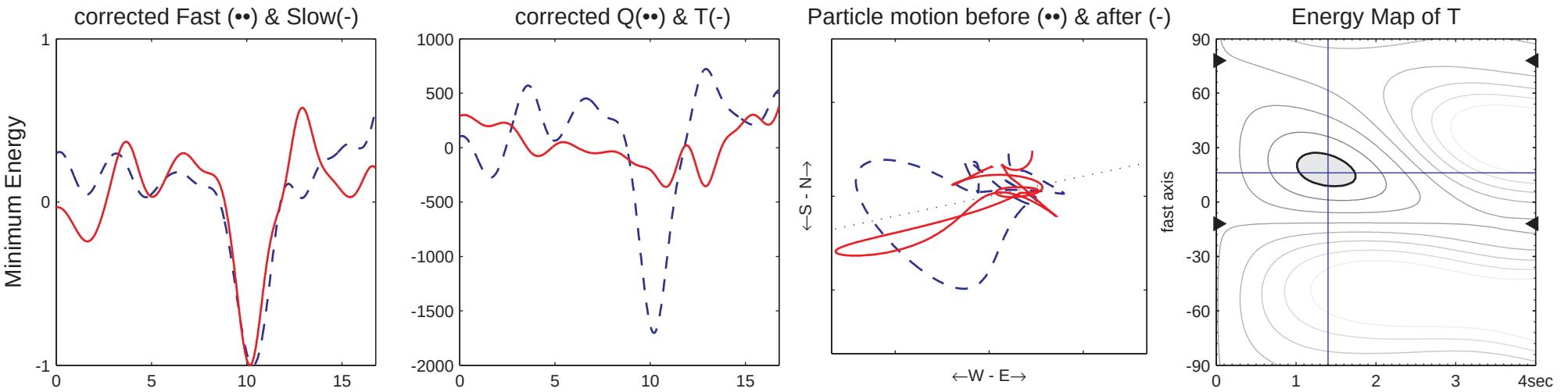
Event: **16-Jun-2011 (167) 00:03 -5.93N 151.04E 16km Mw=6.4**
Station: **LEF** Backazimuth: **78.0”** Distance: **116.35”**
init.Pol.: **241.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.6**

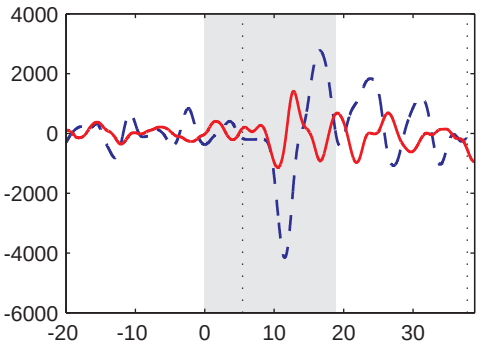
Rotation Correlation:	-2<	7° <	17	1.2<1.5s<1.7
Minimum Energy:	9<	16° <	27	1.0<1.4s<1.8
Eigenvalue:	-5<	4° <	17	1.2<1.5s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





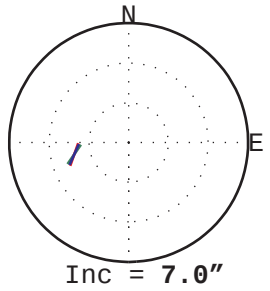


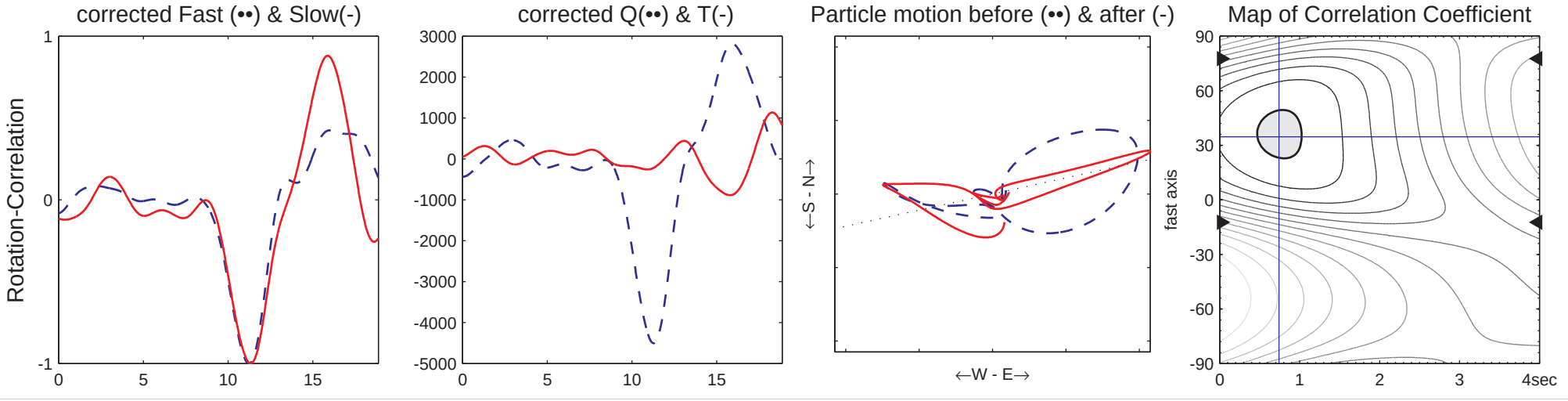


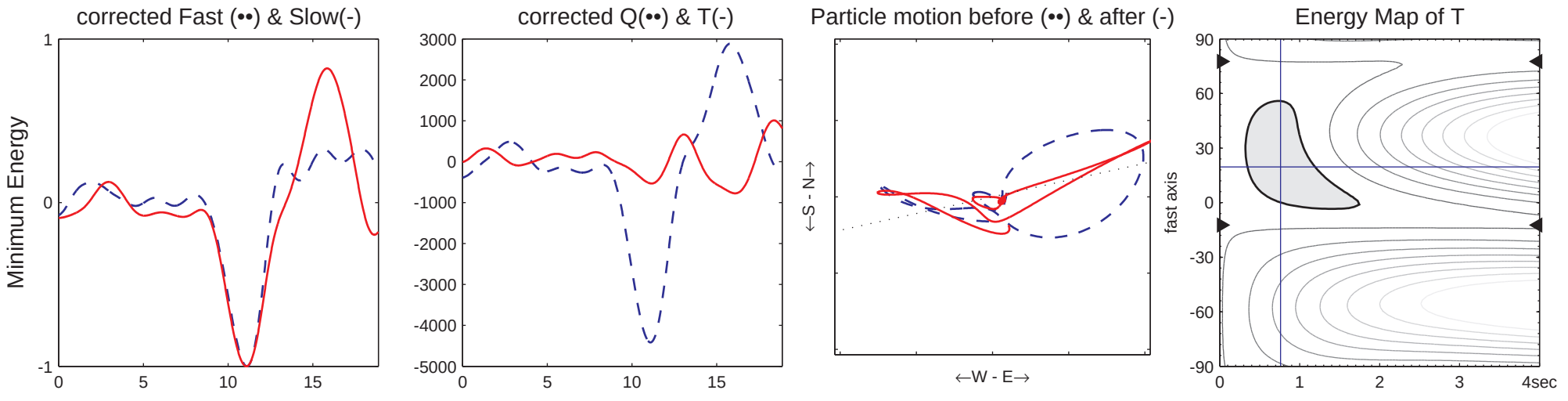
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **LEF** Backazimuth: **257.6”** Distance: **111.02”**
init.Pol.: **78.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

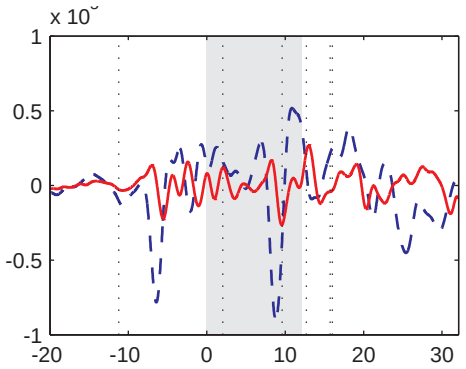
Rotation Correlation:	23<	35° <	50 0.5<0.7s<1.0
Minimum Energy:	-3<	20° <	56 0.3<0.8s<1.8
Eigenvalue:	-7<	24° <	66 0.3<0.7s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





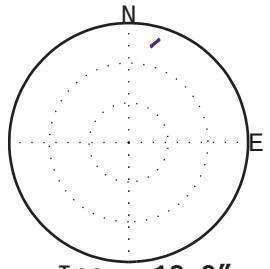




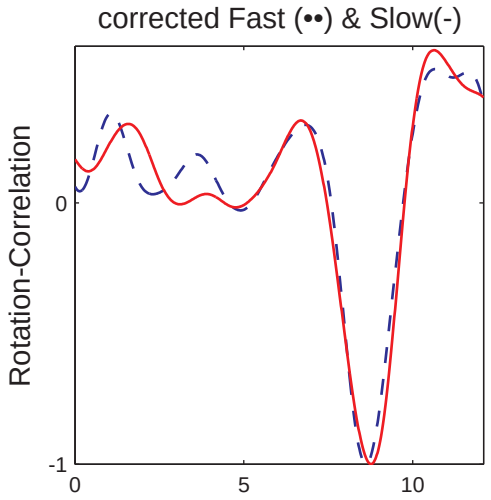
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **LEF** Backazimuth: **14.9”** Distance: **90.20”**
init.Pol.: **191.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**12.2**

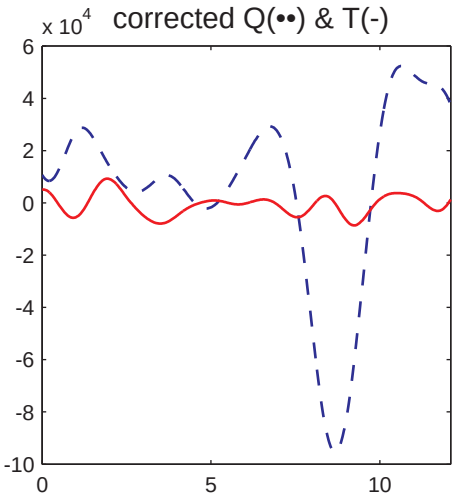
Rotation Correlation:	46<	58° <	72	0.2<0.3s<0.4
Minimum Energy:	41<	57° <	76	0.3<0.4s<0.5
Eigenvalue:	31<	45° <	66	0.3<0.4s<0.6

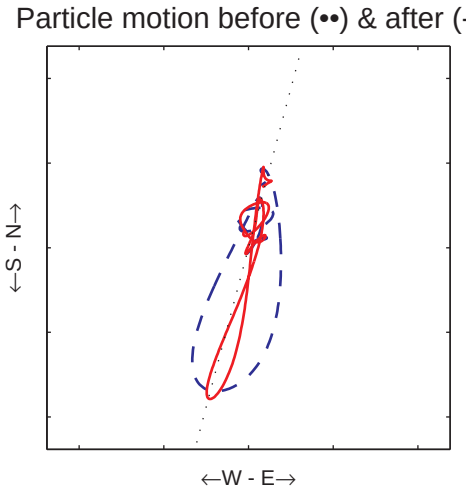
Quality: **good** IsNull: **No** Phase: **SKKS**

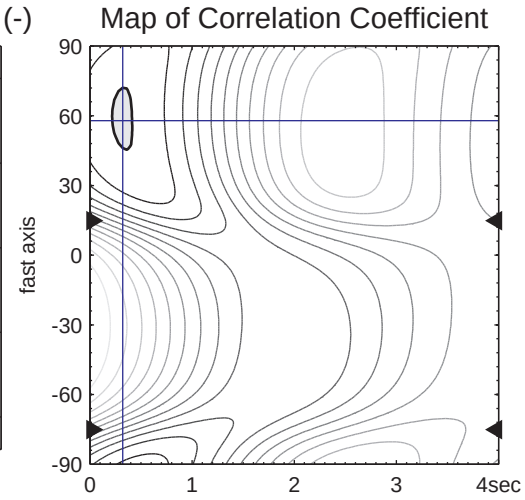


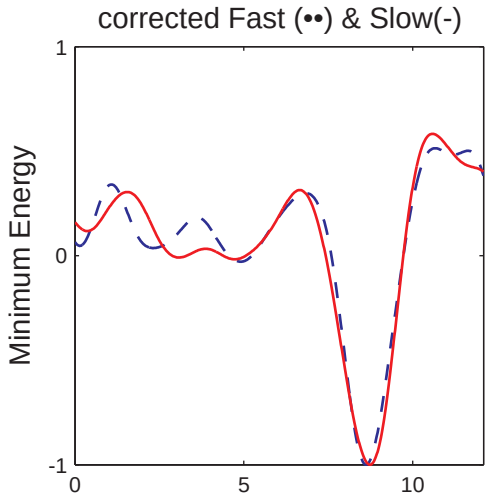
Inc = **12.9”**

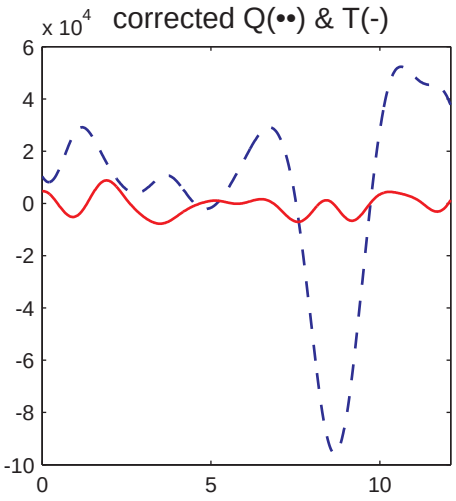


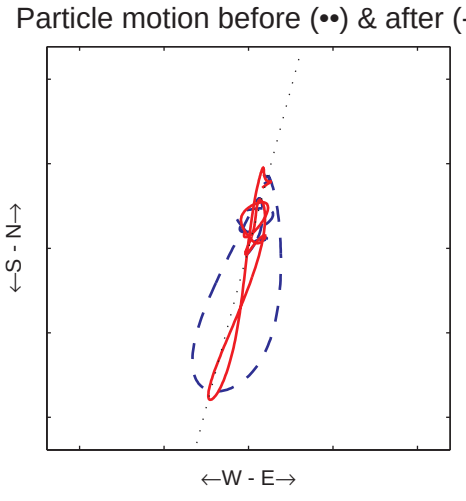


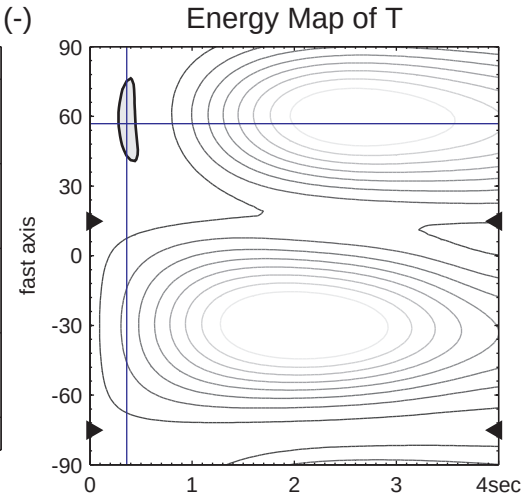


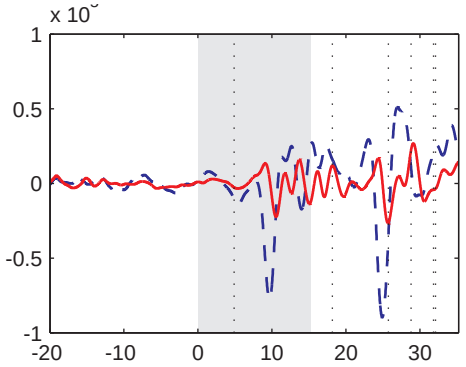








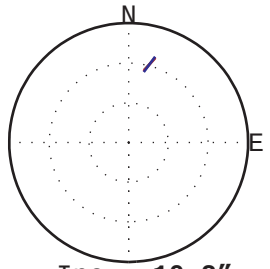


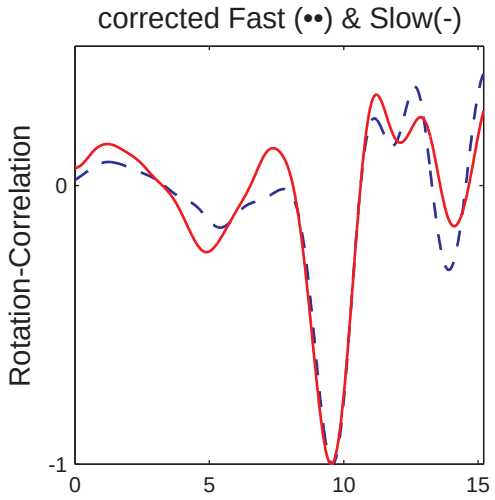


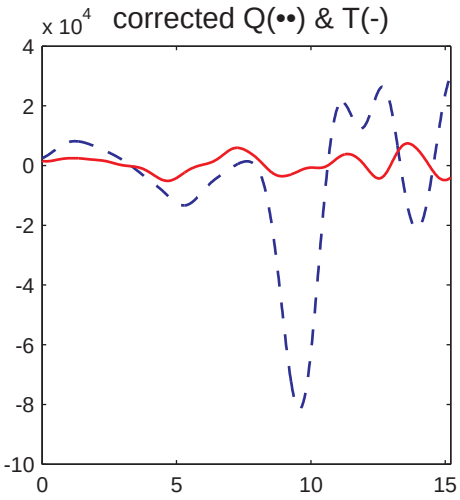
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **LEF** Backazimuth: **14.9”** Distance: **90.20”**
init.Pol.: **191.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.3**

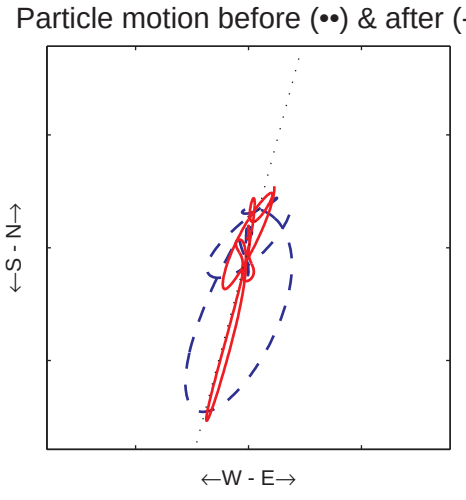
Rotation Correlation:	36<	44° <	58	0.4<0.5s<0.6
Minimum Energy:	35<	41° <	52	0.4<0.6s<0.7
Eigenvalue:	29<	37° <	46	0.5<0.6s<0.8

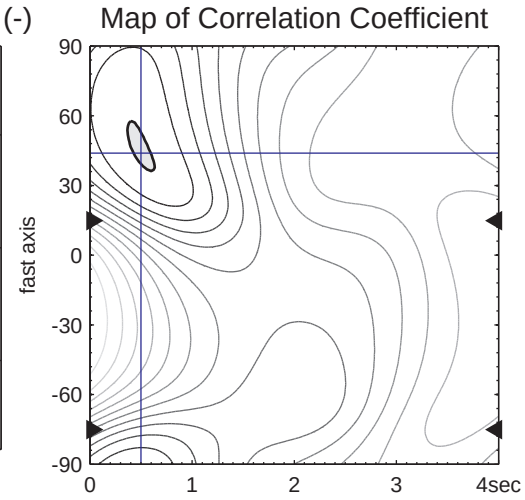
Quality: **good** IsNull: **No** Phase: **SKS**

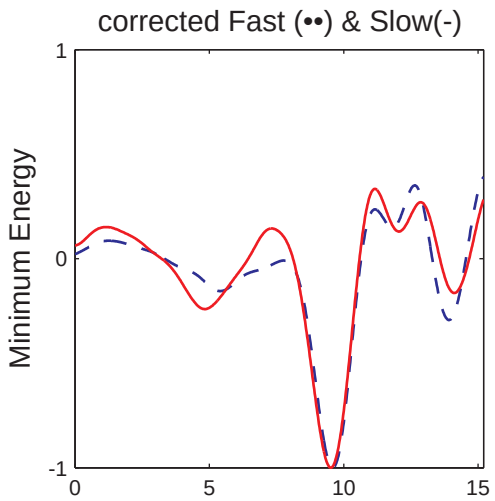


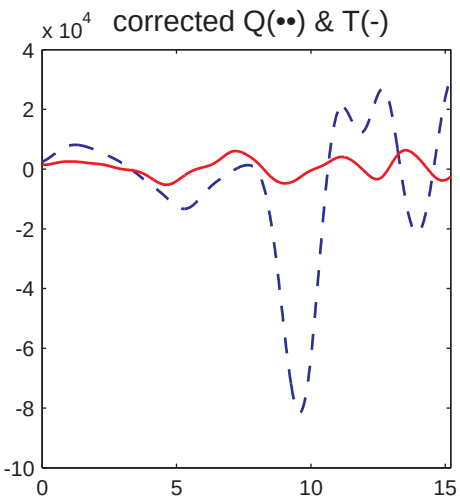


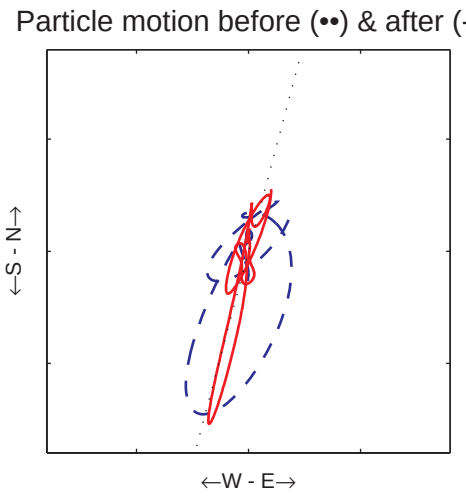


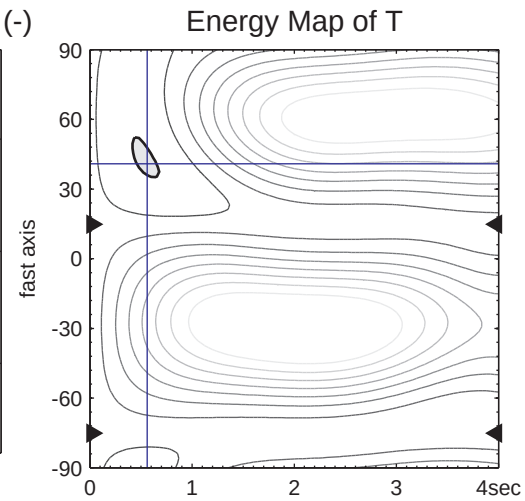


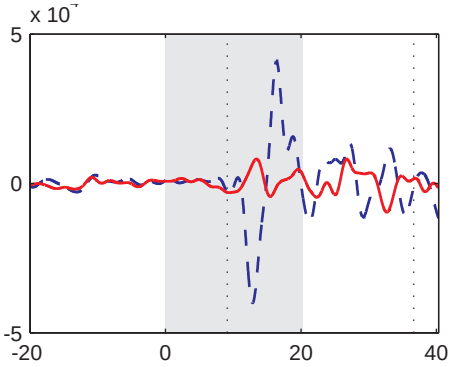








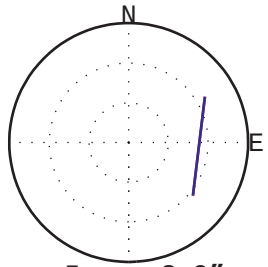


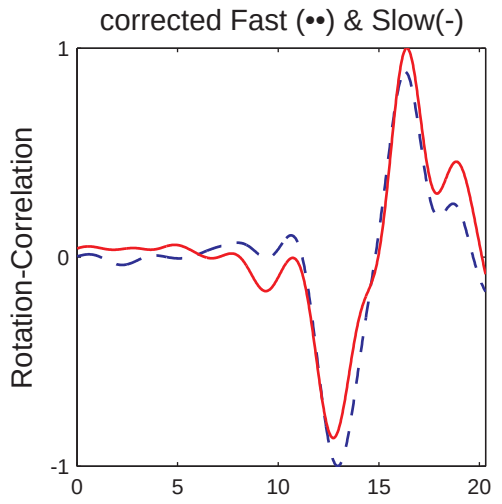


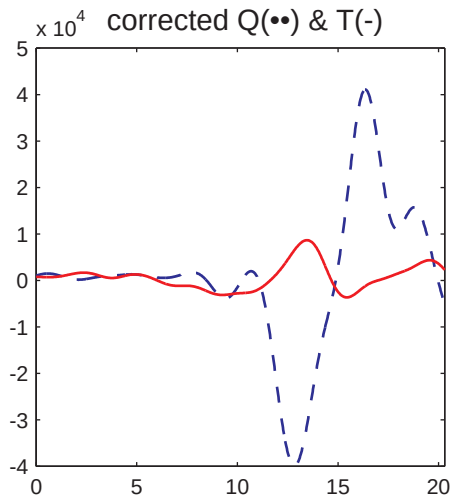
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **LEF** Backazimuth: **93.0”** Distance: **96.84”**
init.Pol.: **271.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.4**

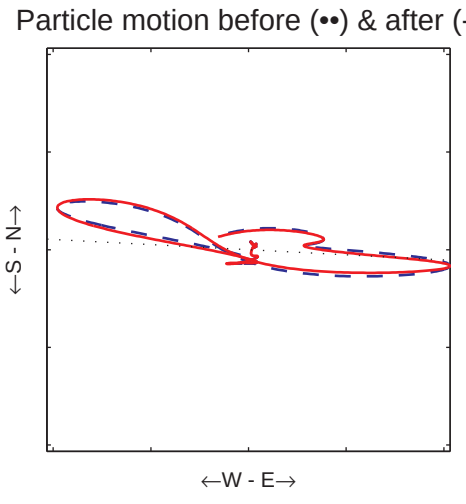
Rotation Correlation:	-49<	-37° < -27	0.0<0.0s<0.2
Minimum Energy:	5<	7° < 9	2.3<3.1s<4.0
Eigenvalue:	3<	7° < 11	2.4<3.1s<4.0

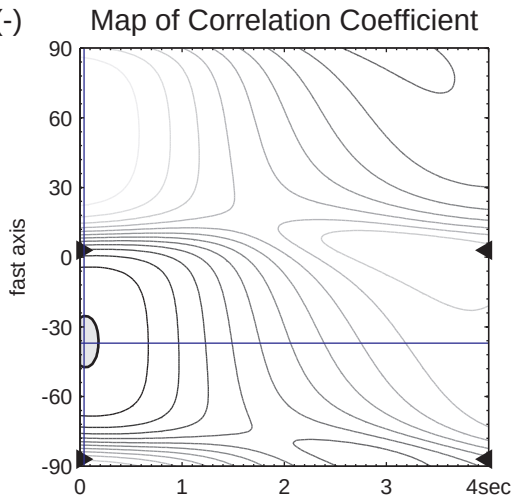
Quality: **good** IsNull: **Yes** Phase: **SKS**

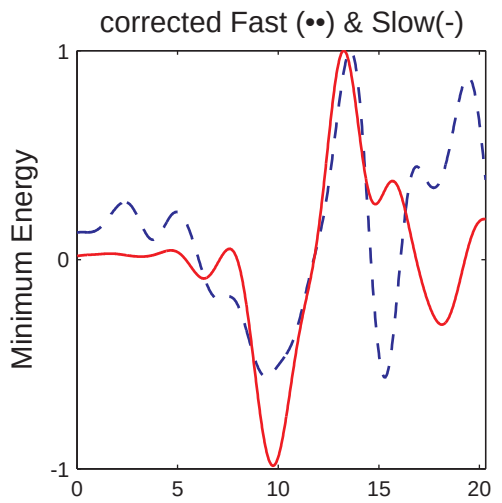


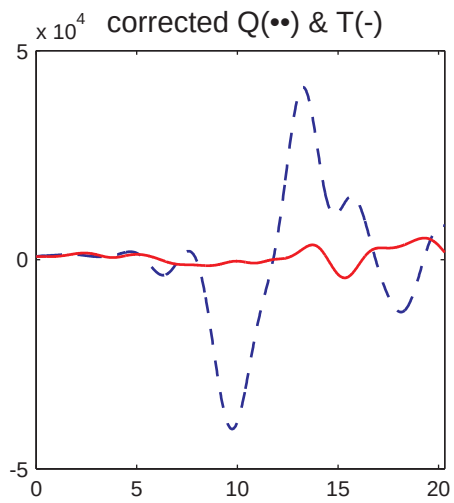


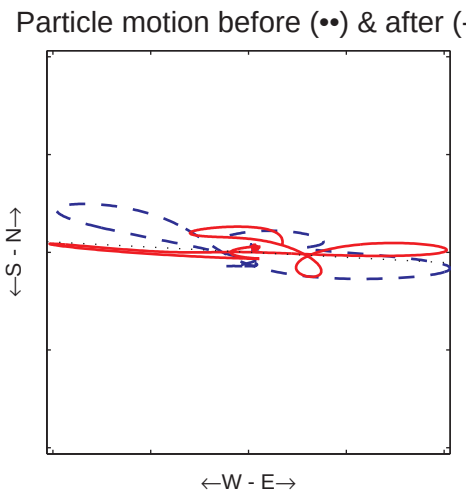


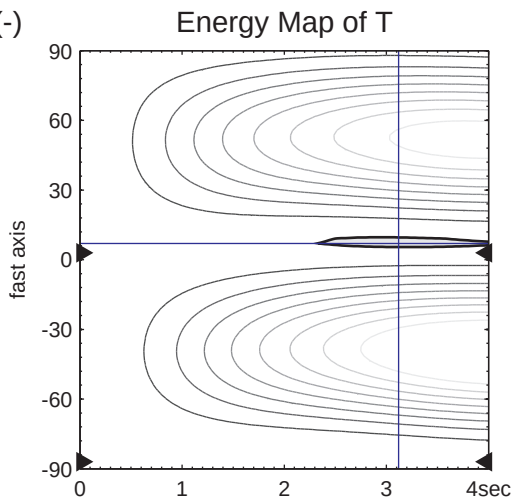


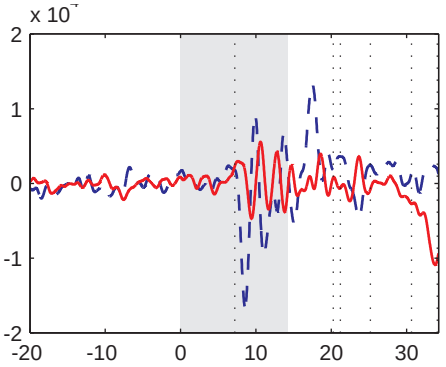








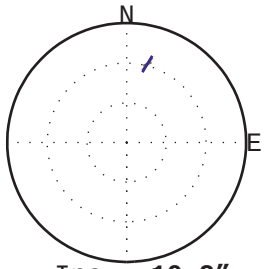




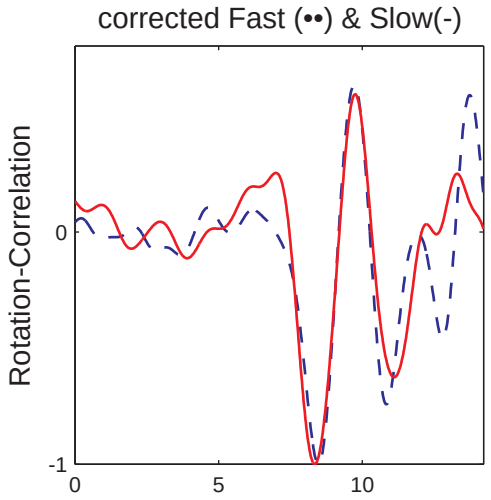
Event: **02-Sep-2011 (245) 10:55 52.17N -171.71E 32km Mw=6.9**
Station: **LEF** Backazimuth: **14.8”** Distance: **90.12”**
init.Pol.: **190.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.8**

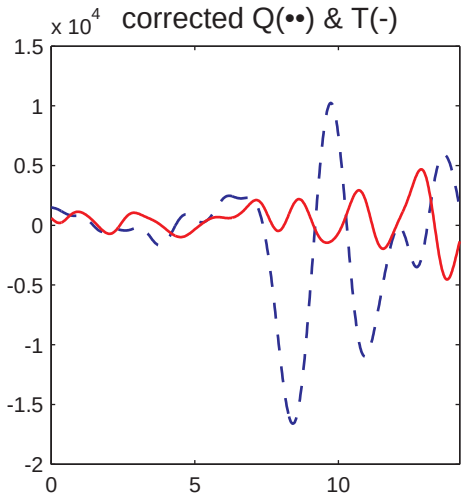
Rotation Correlation:	54<	64° <	75	0.2<0.3s<0.4
Minimum Energy:	29<	37° <	48	0.4<0.5s<0.7
Eigenvalue:	21<	31° <	48	0.4<0.6s<0.8

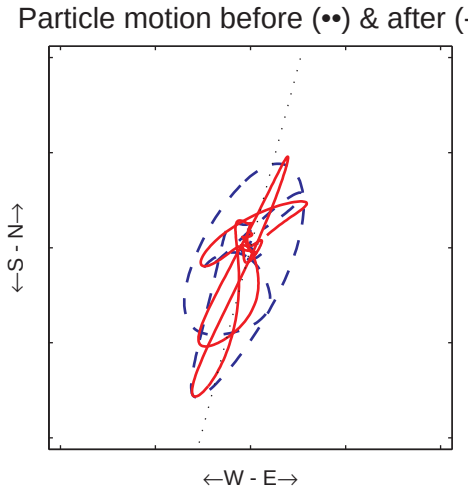
Quality: **fair** IsNull: **No** Phase: **SKS**

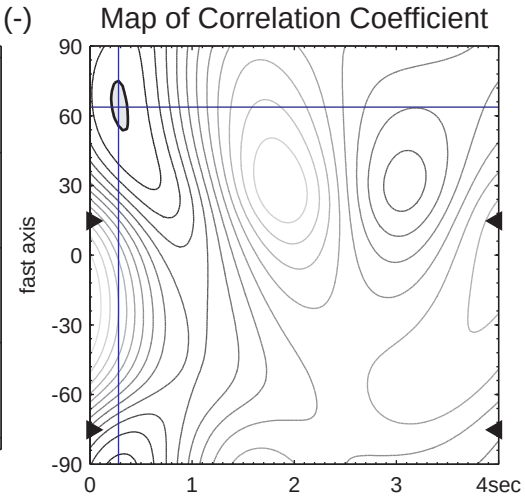


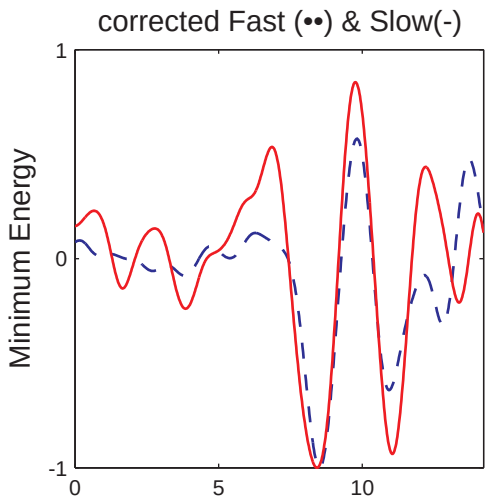
Inc = **10.2”**

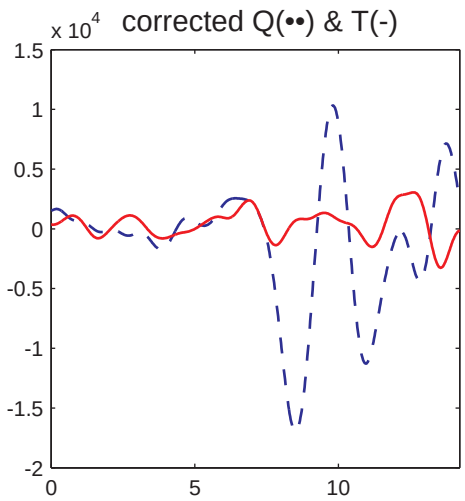


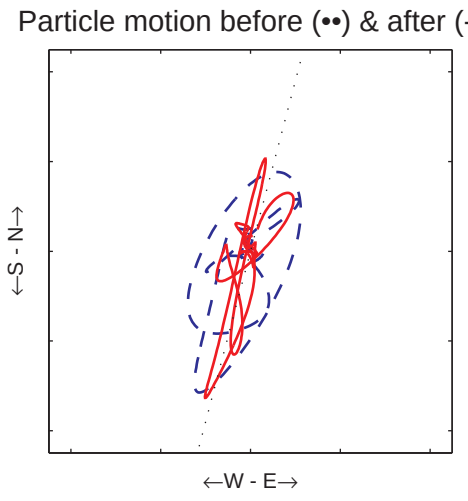


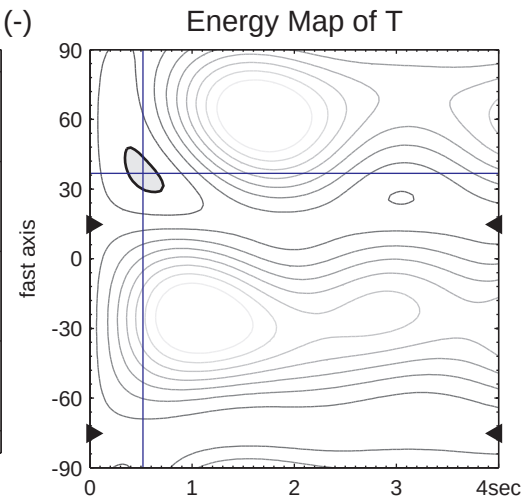


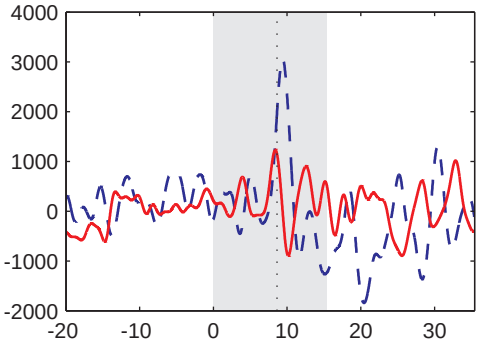








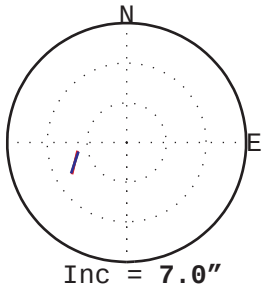


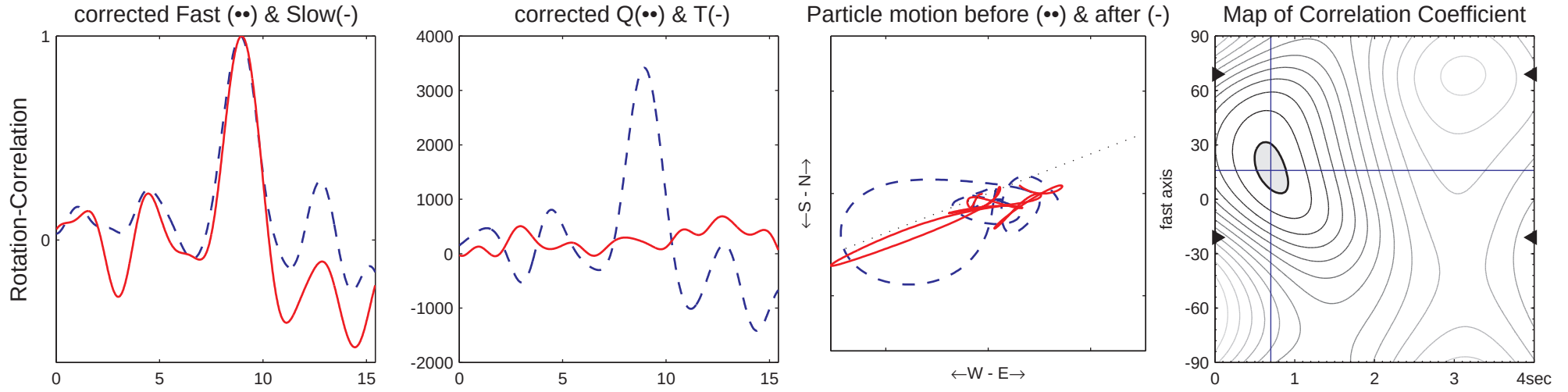


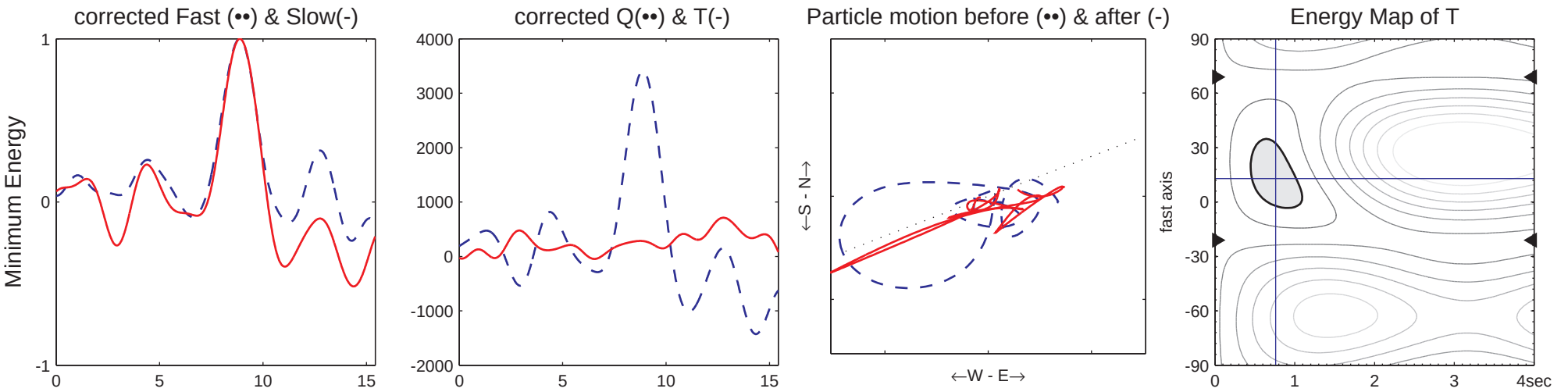
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km Mw=6.7**
Station: **LEF** Backazimuth: **248.9”** Distance: **110.31”**
init.Pol.: **73.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.3**

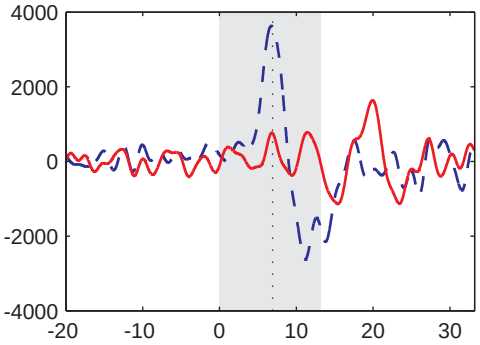
Rotation Correlation:	4<	16° <	32	0.5<0.7s<0.9
Minimum Energy:	-3<	13° <	35	0.4<0.8s<1.1
Eigenvalue:	5<	19° <	37	0.6<0.7s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





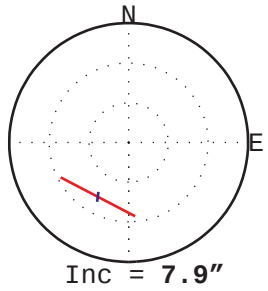


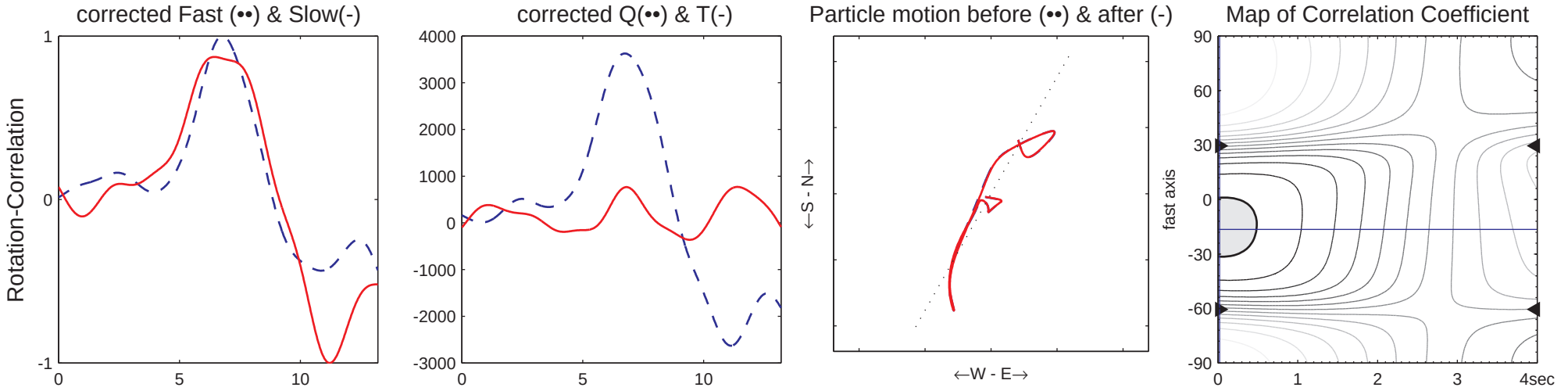


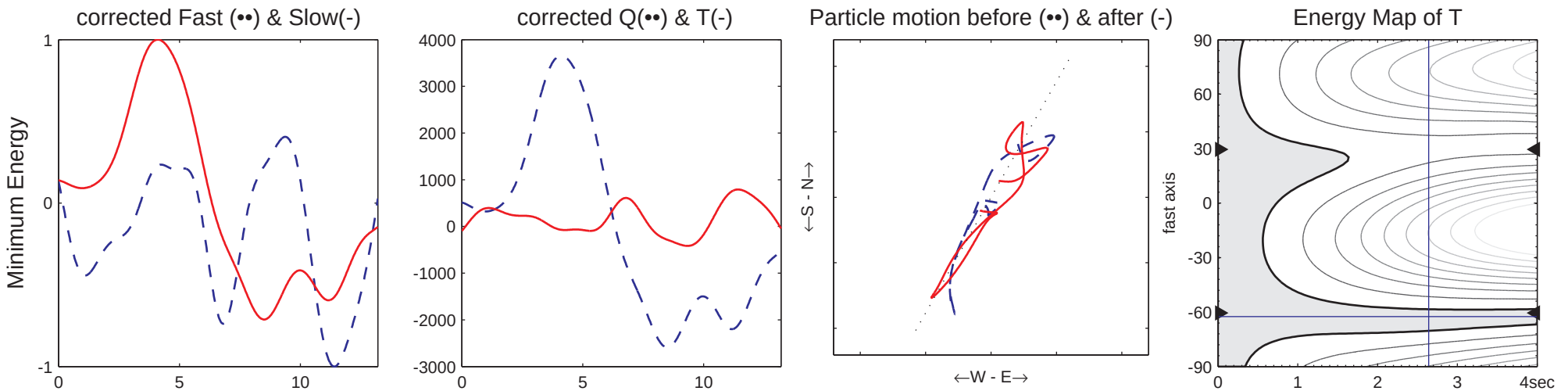
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **LEF** Backazimuth: **209.5”** Distance: **104.55”**
init.Pol.: **30.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

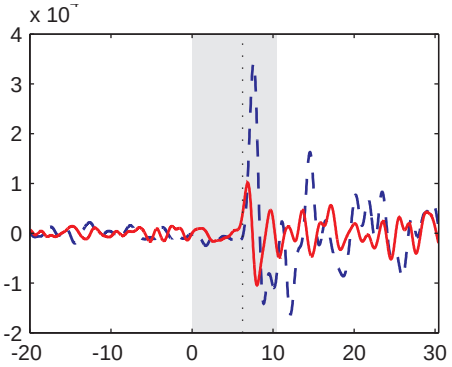
Rotation Correlation:	-33<	-16° < 1	0.0<0.0s<0.5
Minimum Energy:	-Inf<	-62° < Inf	0.0<2.6s<Inf
Eigenvalue:	-Inf<	8° < Inf	0.0<0.3s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





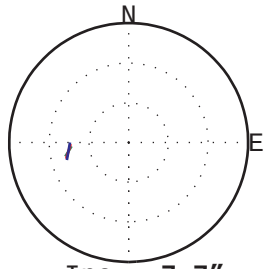




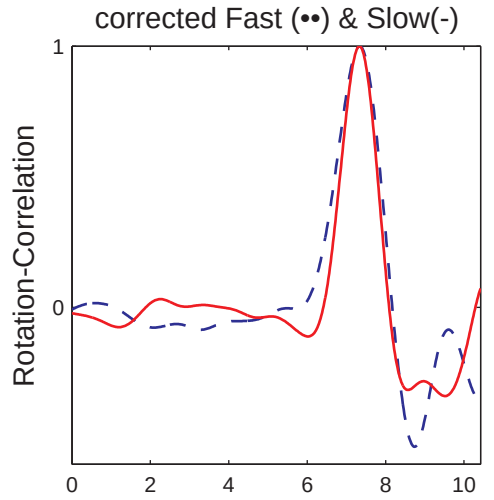
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **LEF** Backazimuth: **261.6”** Distance: **105.14”**
init.Pol.: **76.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.7**

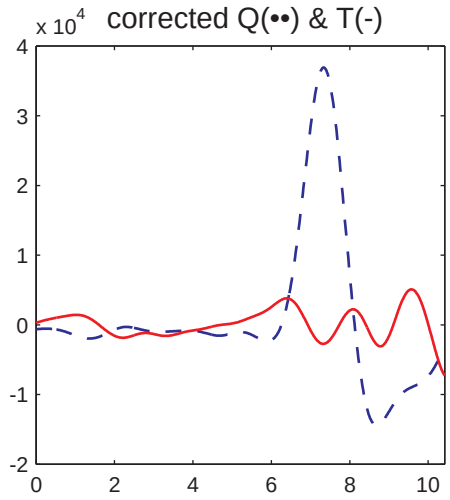
Rotation Correlation:	18<	32° <	45	0.3<0.4s<0.5
Minimum Energy:	9<	18° <	31	0.3<0.5s<0.6
Eigenvalue:	-1<	10° <	25	0.4<0.6s<0.8

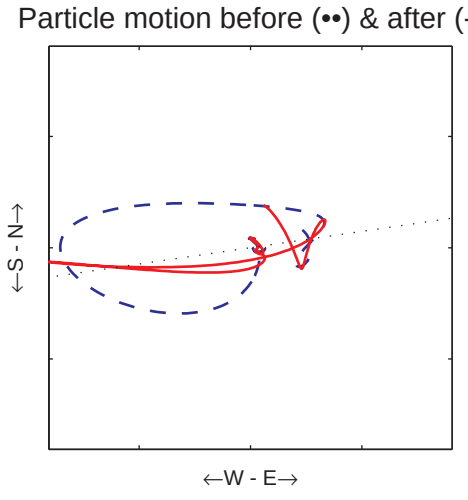
Quality: **fair** IsNull: **No** Phase: **SKS**

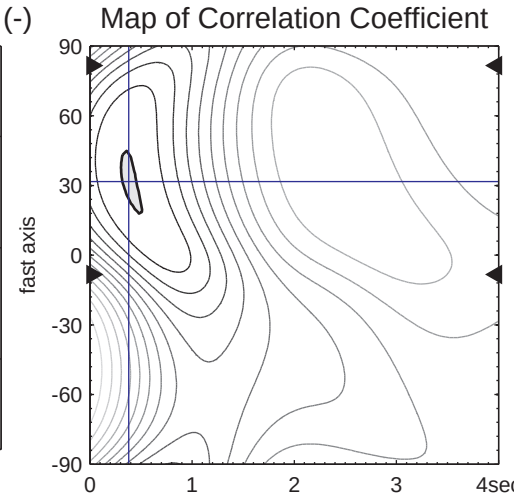


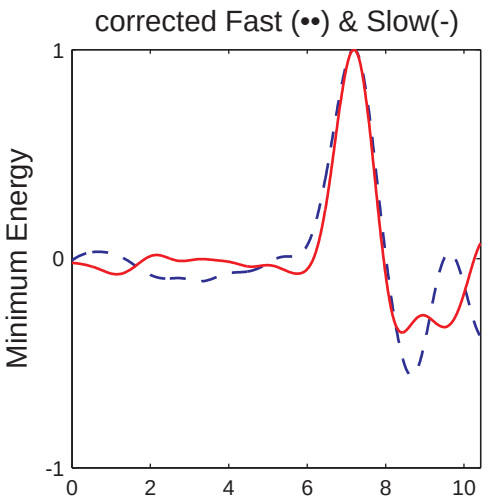
Inc = **7.7”**

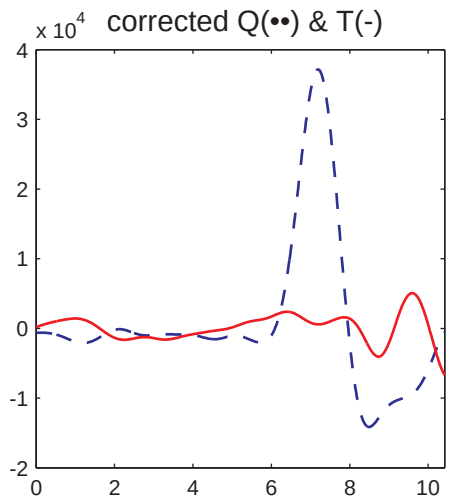


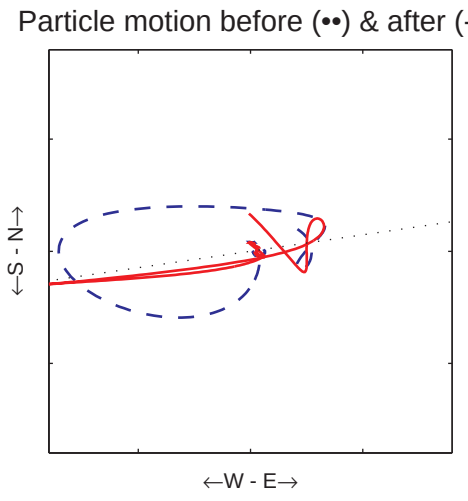


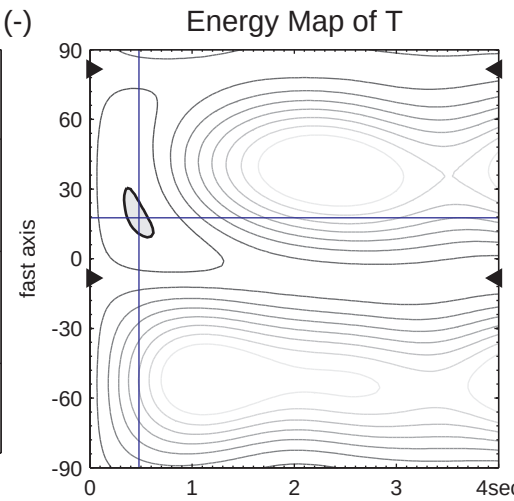


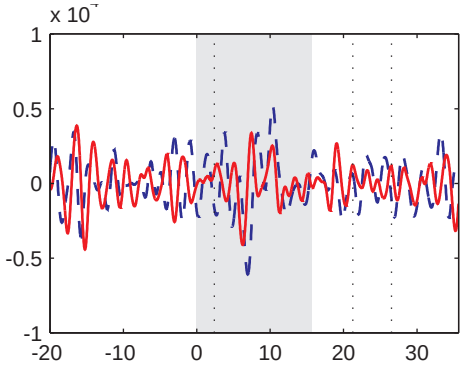








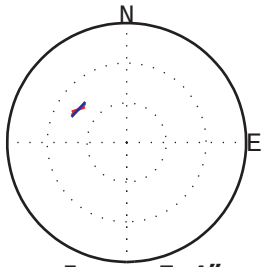


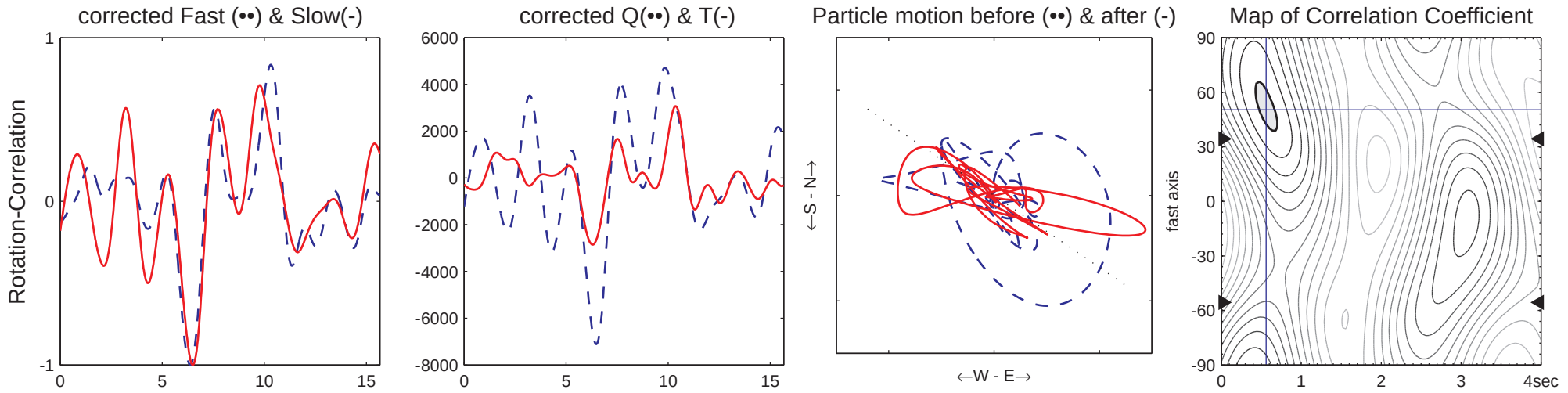


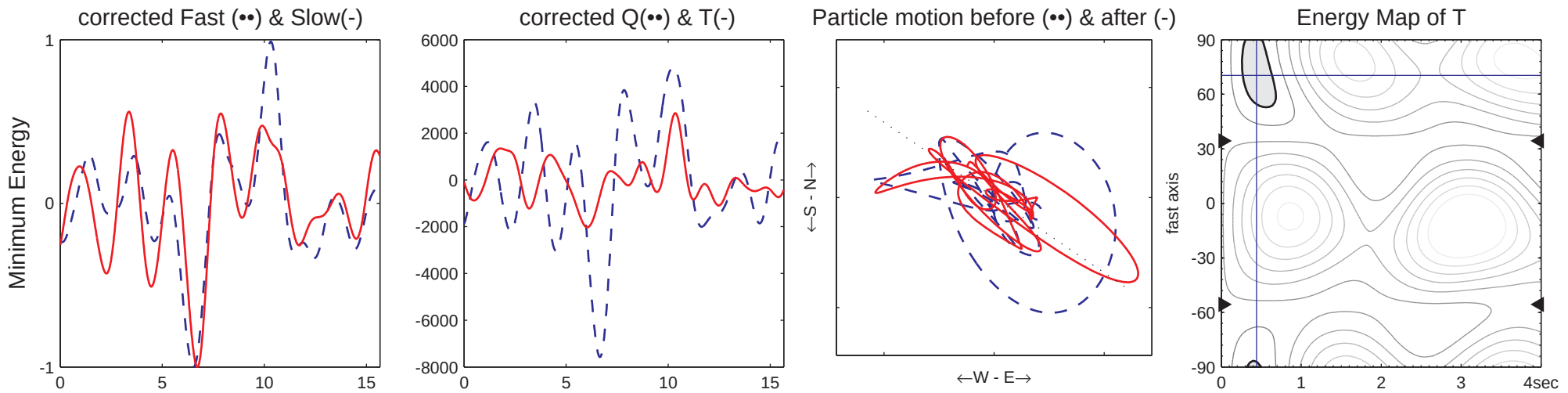
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **LEF** Backazimuth: **304.4”** Distance: **108.38”**
init.Pol.: **102.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

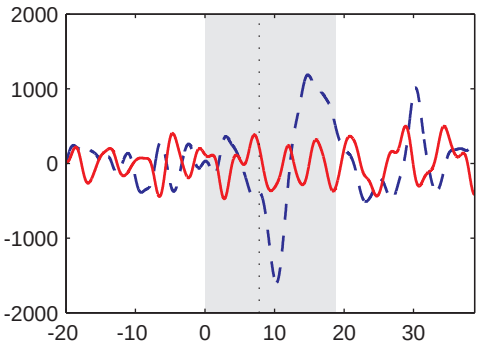
Rotation Correlation:	39<	50° <	66	0.4<0.6s<0.7
Minimum Energy:	54<	70° <	-88	0.2<0.4s<0.7
Eigenvalue:	29<	42° <	62	0.4<0.6s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





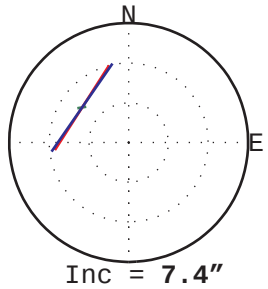


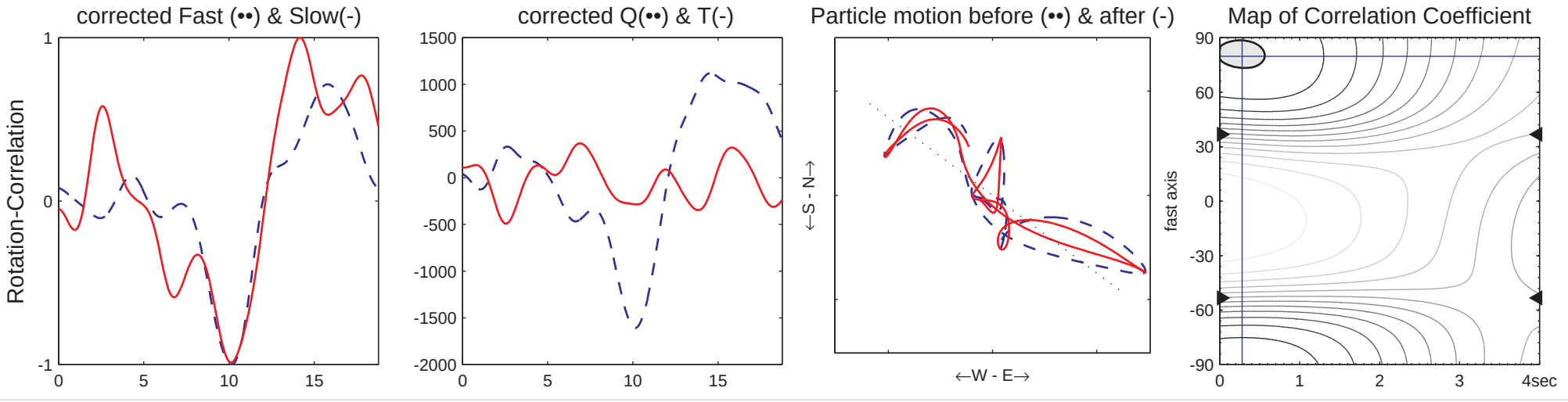


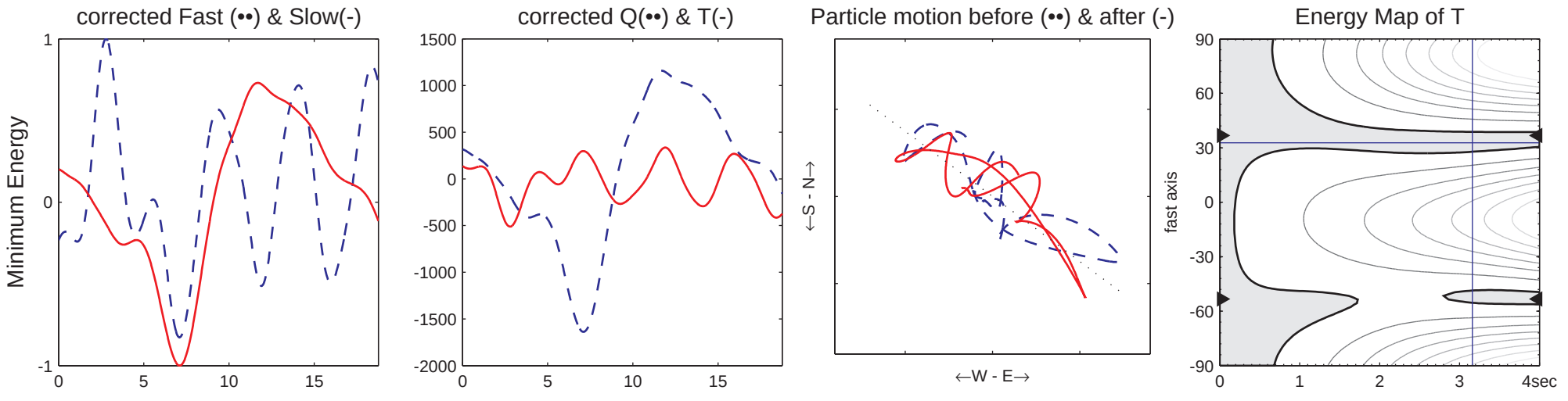
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **LFK** Backazimuth: **306.7”** Distance: **108.33”**
init.Pol.: **129.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

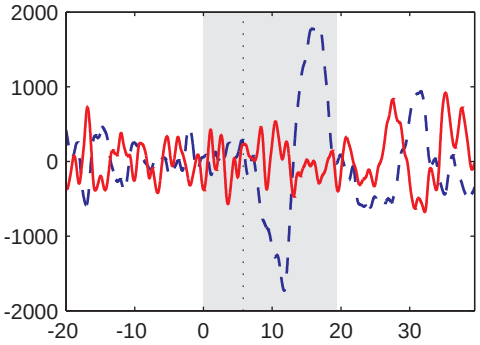
Rotation Correlation:	73<	80° <	89	0.0<0.3s<0.6
Minimum Energy:	-Inf<	33° <	Inf	0.0<3.2s<Inf
Eigenvalue:	-Inf<	35° <	Inf	0.0<3.4s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





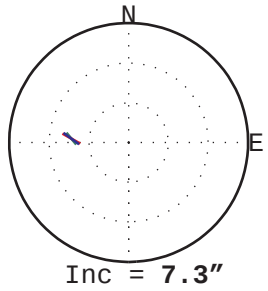


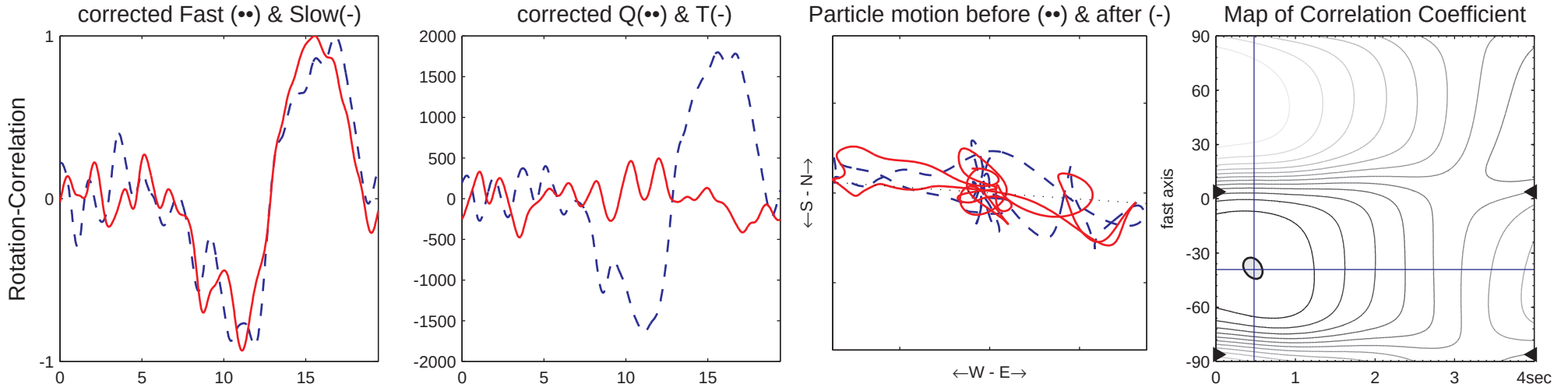


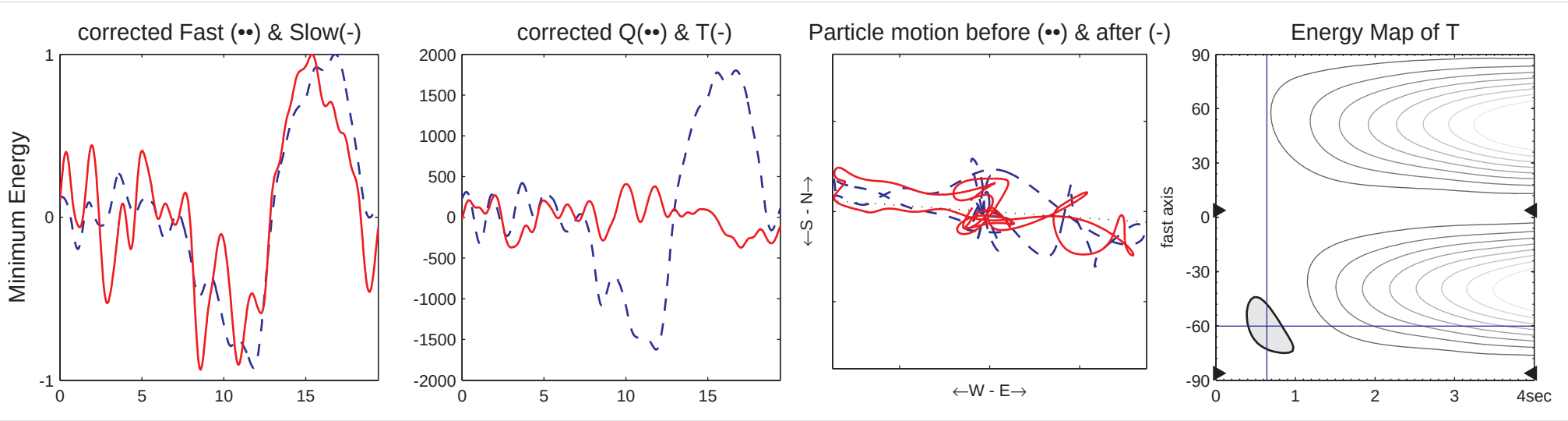
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **LFK** Backazimuth: **273.9”** Distance: **109.19”**
init.Pol.: **99.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

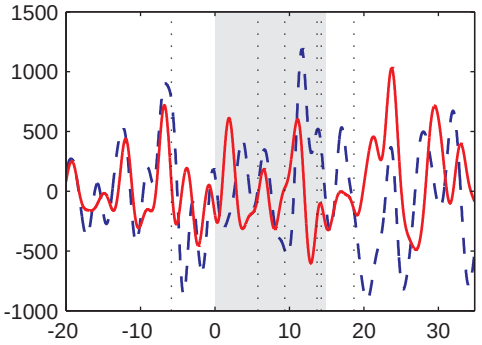
Rotation Correlation:	-46<	-39° <	-34 0.4<0.5s<0.6
Minimum Energy:	-78<	-60° <	-46 0.4<0.6s<1.0
Eigenvalue:	-72<	-54° <	-39 0.4<0.6s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





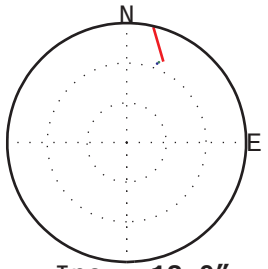




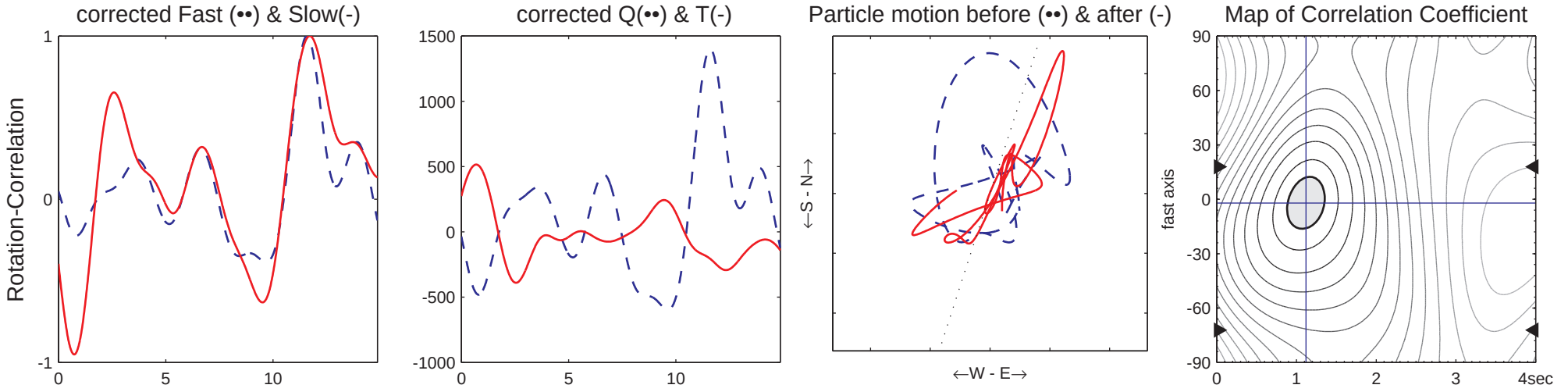
Event: **13-Jul-2007 (194) 21:54 51.78N -176.24E 35km Mw=6.0**
Station: **LFK** Backazimuth: **17.9”** Distance: **89.12”**
init.Pol.: **220.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.0**

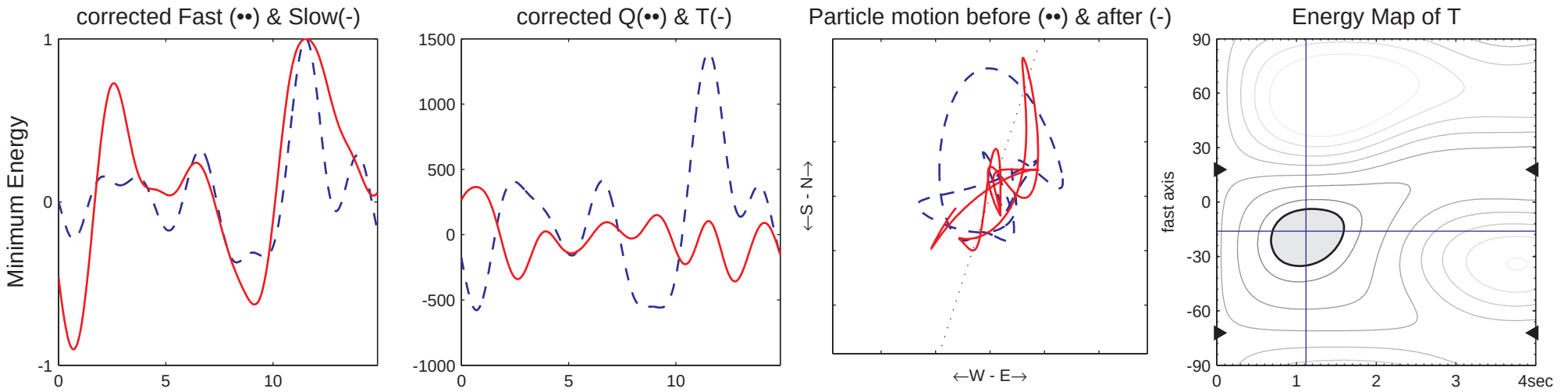
Rotation Correlation:	-18<	-2° <	12	0.9<1.1s<1.4
Minimum Energy:	-37<	-16° <	-5	0.7<1.1s<1.6
Eigenvalue:	-17<	4° <	21	0.9<1.2s<1.5

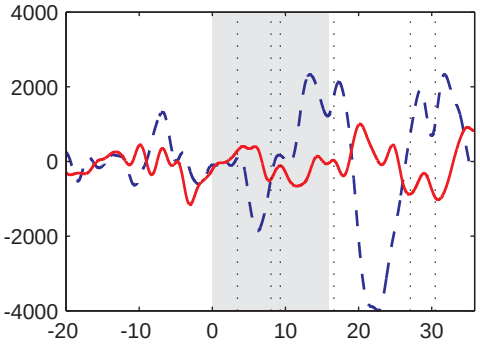
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



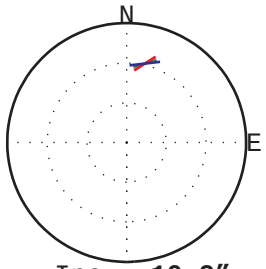




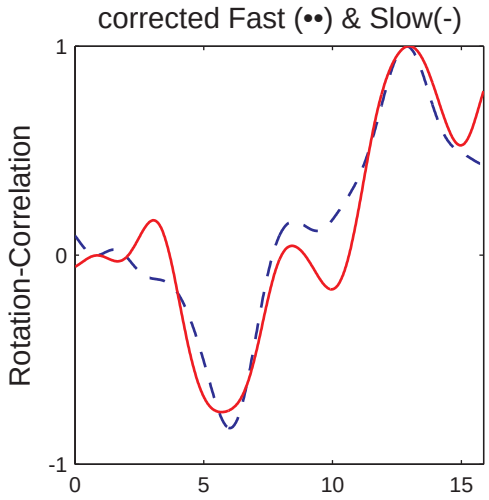
Event: **15-Jul-2007 (196) 13:08 52.49N -168.05E 10km Mw=6.1**
Station: **LFK** Backazimuth: **12.9”** Distance: **90.23”**
init.Pol.: **200.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

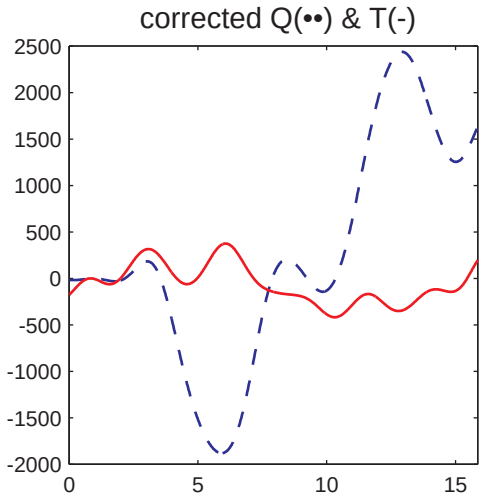
Rotation Correlation:	49<	72° < -82	0.3<0.8s<1.8
Minimum Energy:	25<	57° < -92	0.4<0.8s<1.8
Eigenvalue:	43<	83° < -82	0.5<1.0s<1.7

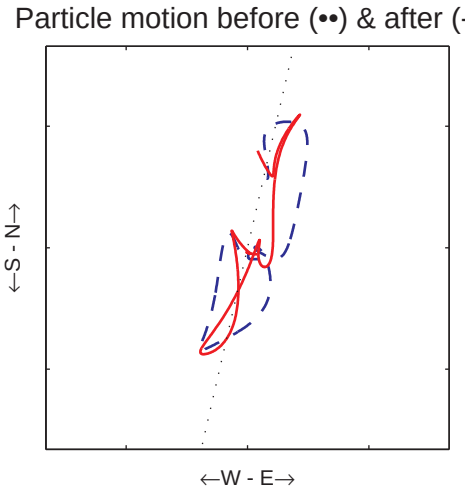
Quality: **fair** IsNull: **No** Phase: **SKS**

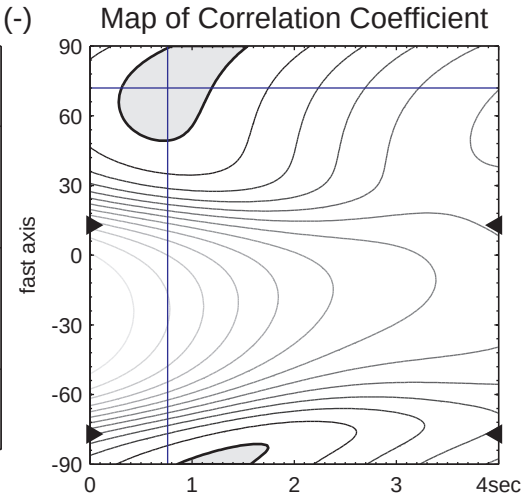


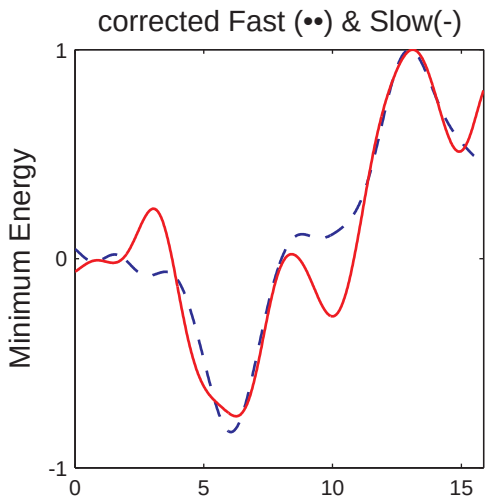
Inc = **10.2”**

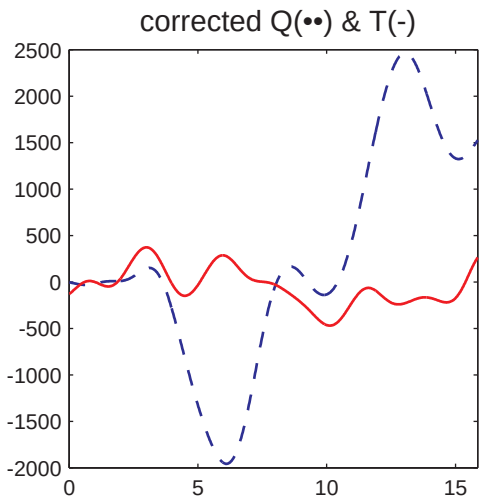


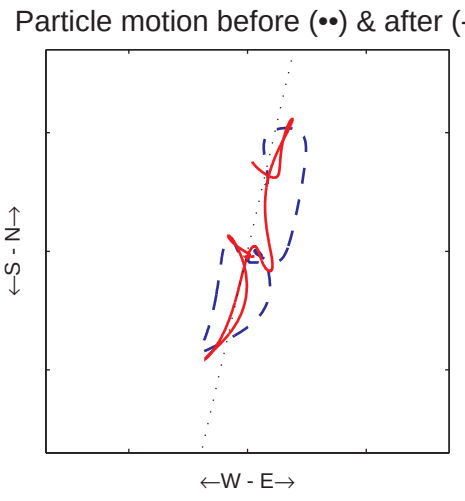


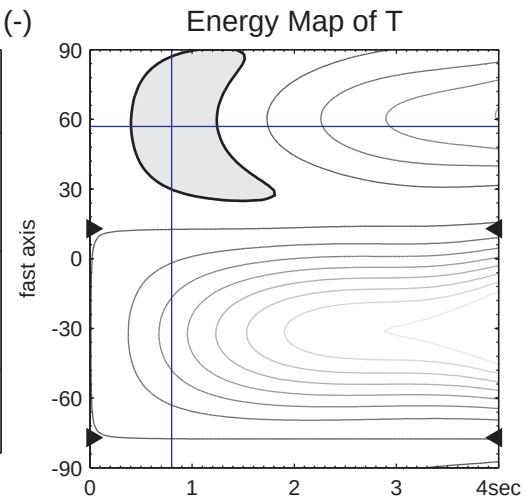


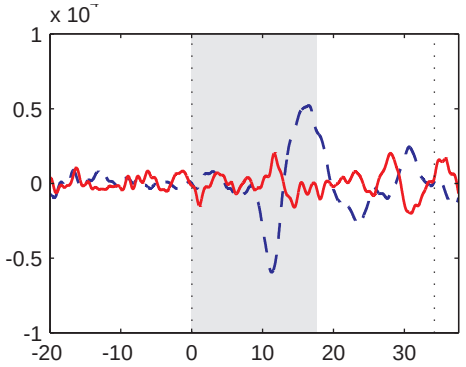








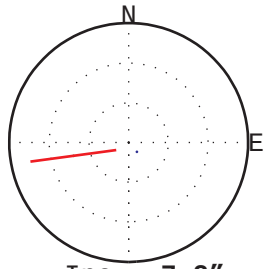


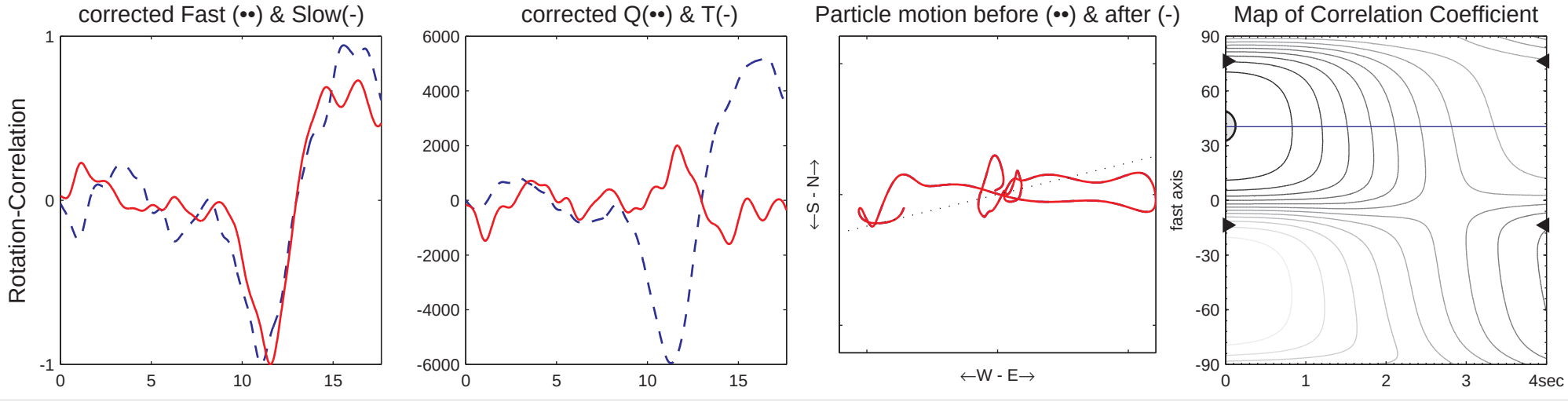


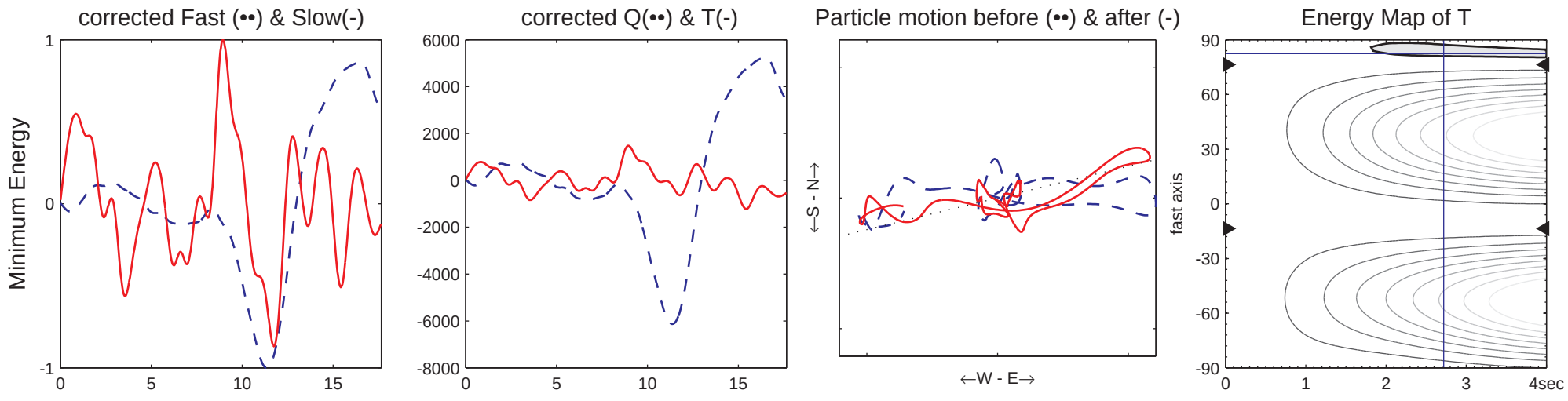
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **LFK** Backazimuth: **256.4”** Distance: **109.95”**
init.Pol.: **87.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.6**

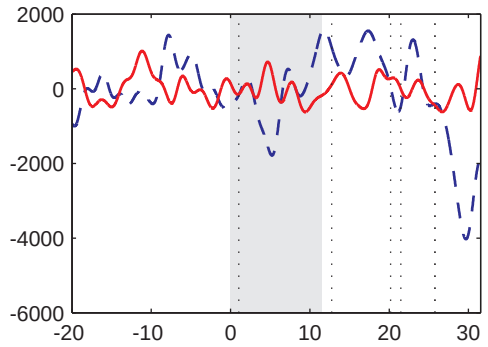
Rotation Correlation:	33<	40° <	49	0.0<0.0s<0.1
Minimum Energy:	80<	82° <	88	1.8<2.7s<4.0
Eigenvalue:	84<	86° <	-90	1.3<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





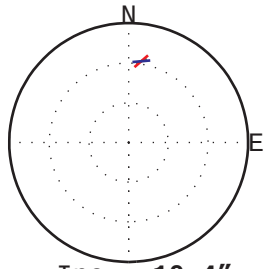


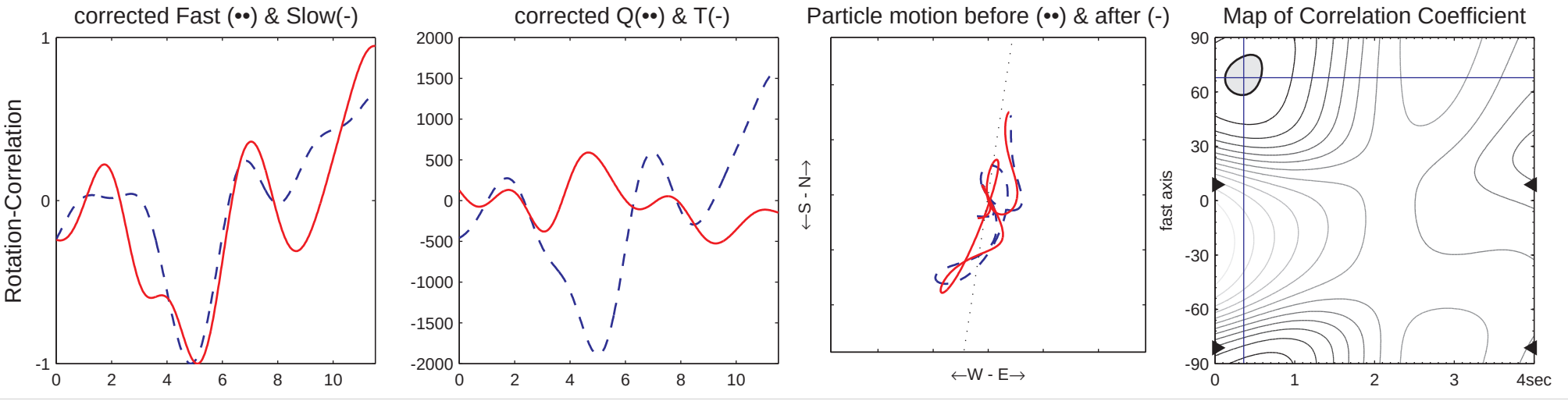


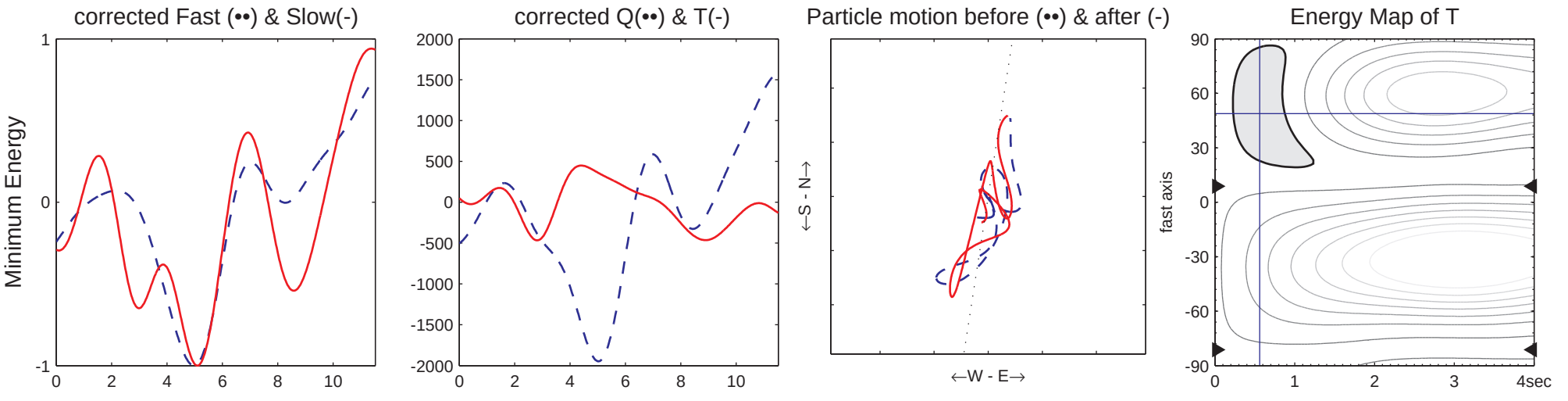
Event: **02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3**
Station: **LFK** Backazimuth: **8.8”** Distance: **89.18”**
init.Pol.: **201.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

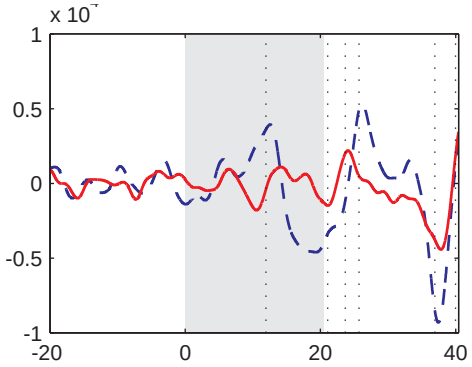
Rotation Correlation:	58<	68° <	80	0.1<0.4s<0.6
Minimum Energy:	19<	49° <	86	0.2<0.6s<1.2
Eigenvalue:	41<	85° <	-74	0.2<0.6s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





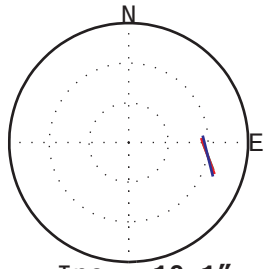


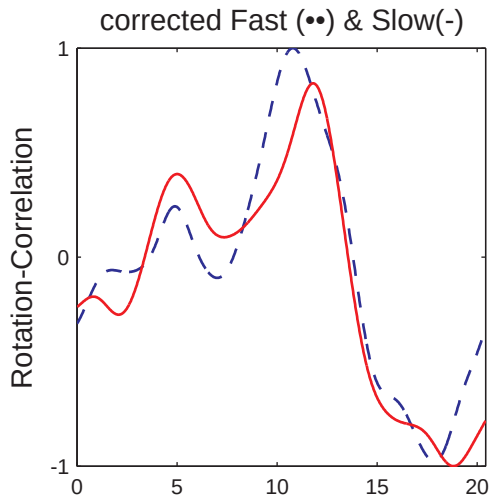


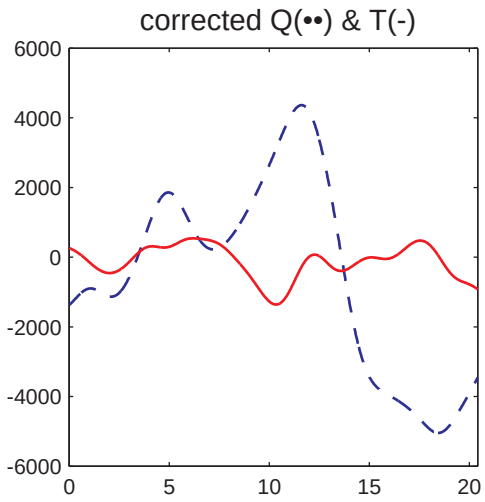
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **LFK** Backazimuth: **99.7”** Distance: **90.61”**
init.Pol.: **282.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

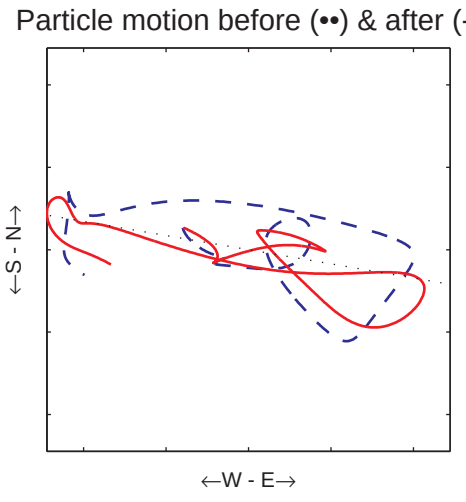
Rotation Correlation:	-42<	-21° <	-7	0.4<0.9s<1.6
Minimum Energy:	-52<	-20° <	-5	0.6<1.2s<2.0
Eigenvalue:	-50<	-14° <	-1	0.7<1.3s<2.2

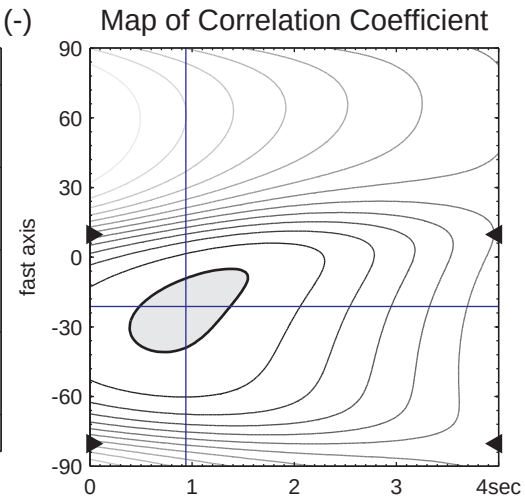
Quality: **fair** IsNull: **No** Phase: **SKS**

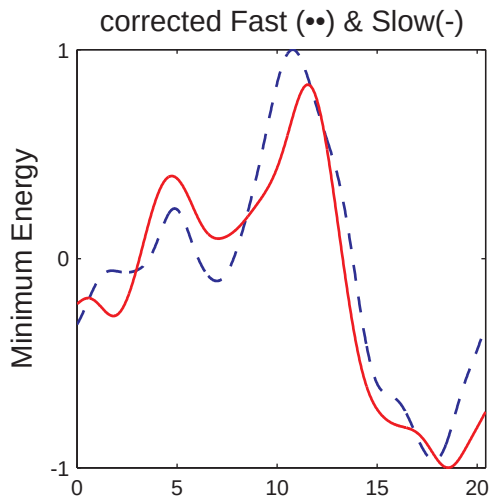


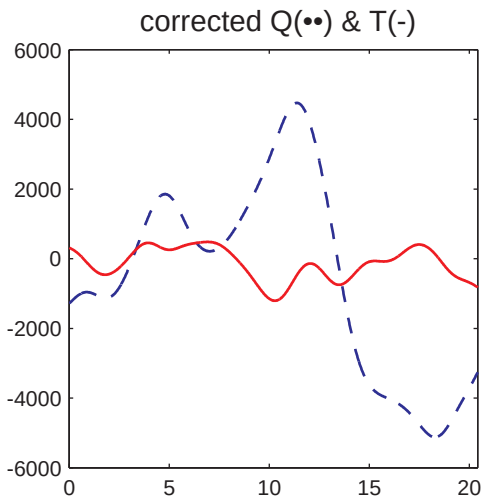


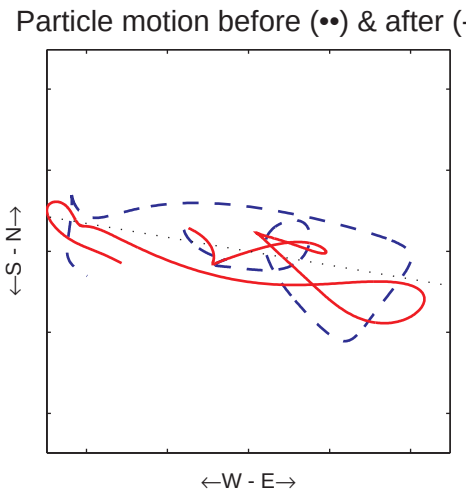


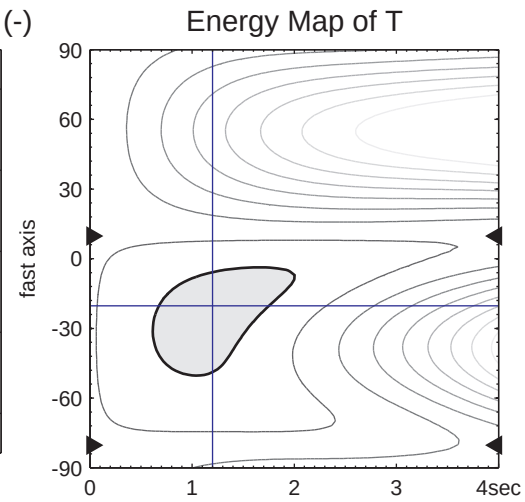


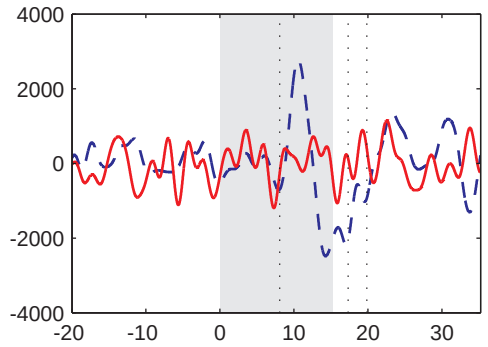








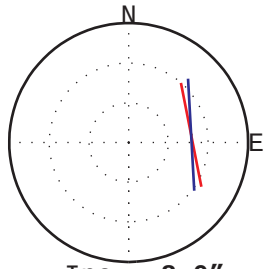


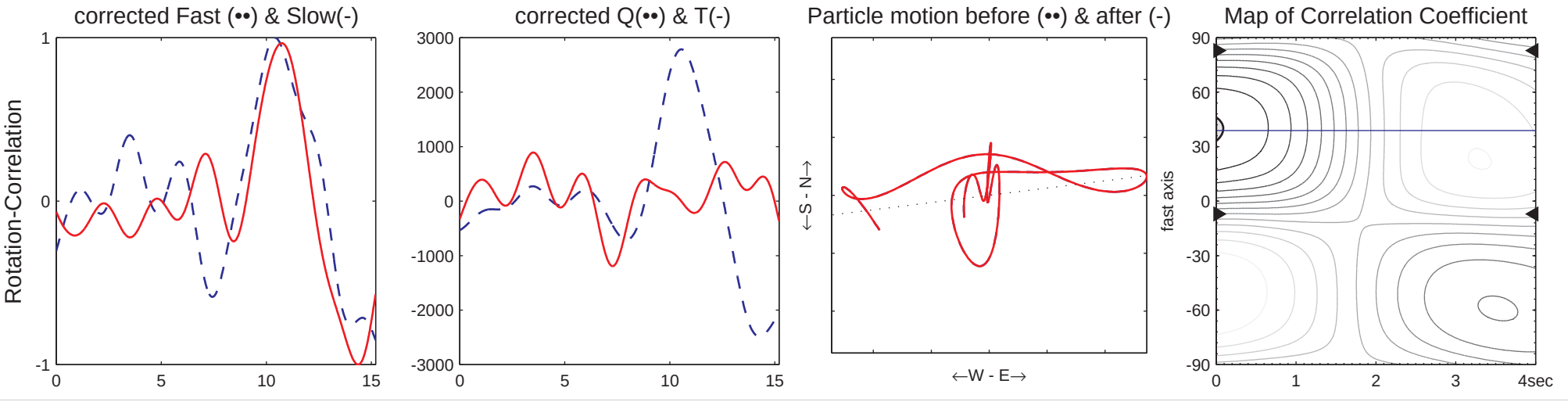


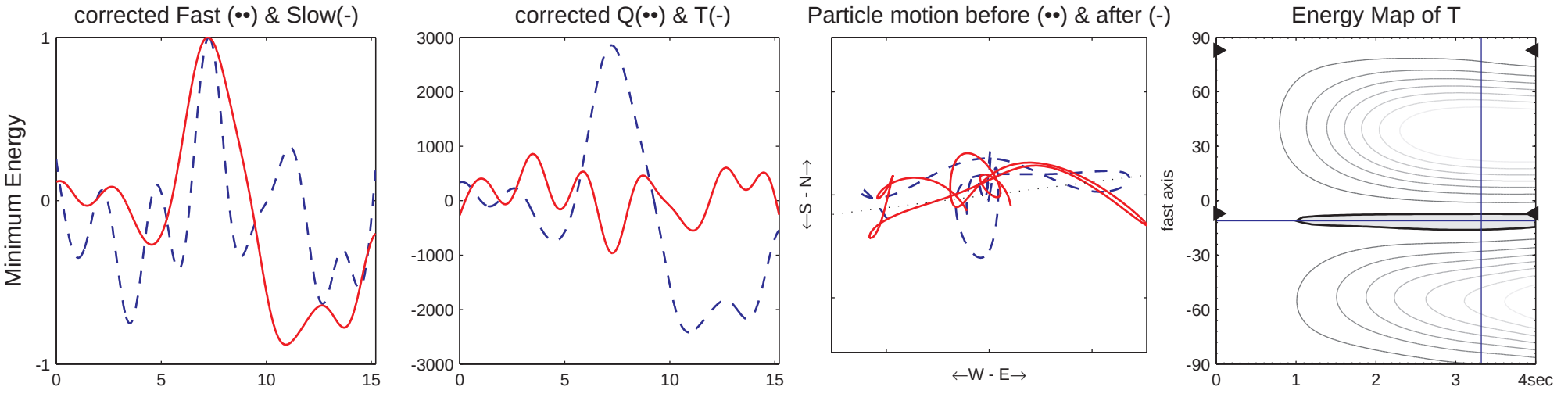
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **LFK** Backazimuth: **82.9”** Distance: **104.04”**
init.Pol.: **276.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.5**

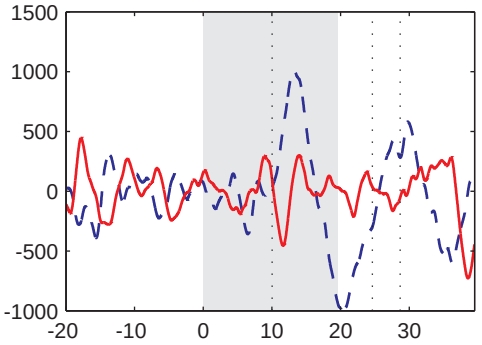
Rotation Correlation:	33<	39° <	46	0.0<0.0s<0.1
Minimum Energy:	-17<	-11° <	-9	1.0<3.3s<4.0
Eigenvalue:	-13<	-3° <	1	2.7<3.5s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





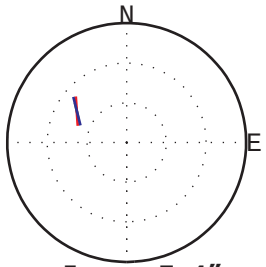


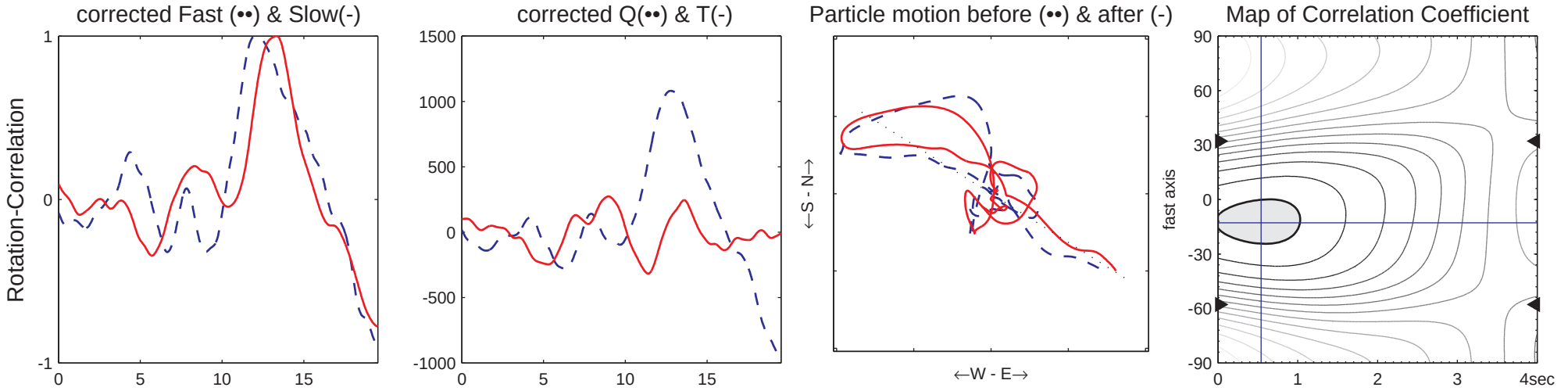


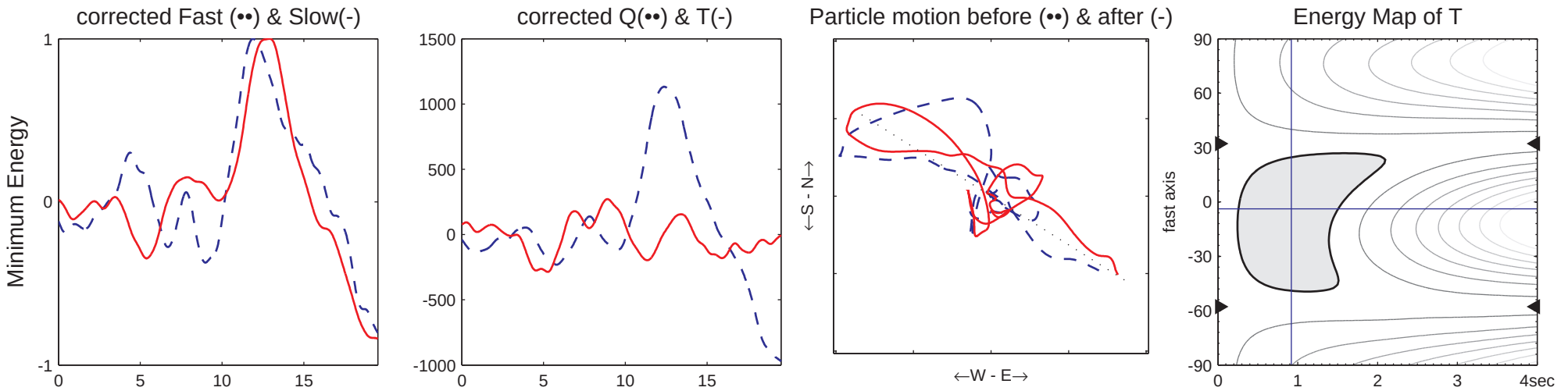
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **LFK** Backazimuth: **302.2”** Distance: **108.05”**
init.Pol.: **118.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

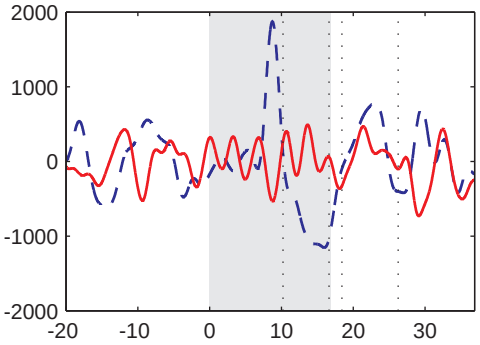
Rotation Correlation:	-26<	-13° <	-1	0.0<0.5s<1.0
Minimum Energy:	-52<	-4° <	25	0.2<0.9s<2.1
Eigenvalue:	-52<	-14° <	25	0.3<0.9s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





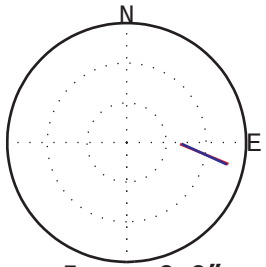


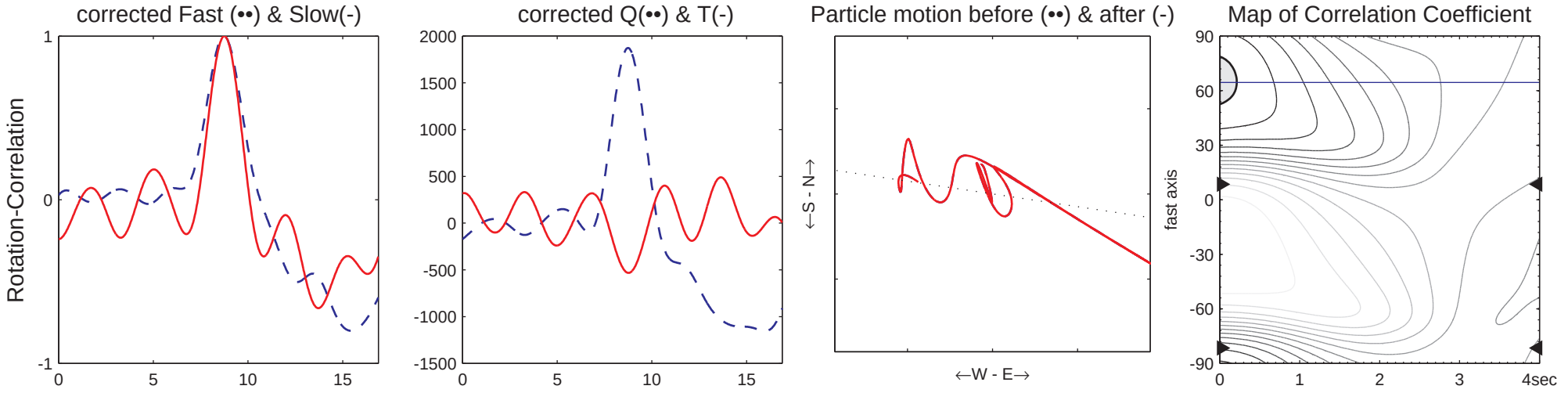


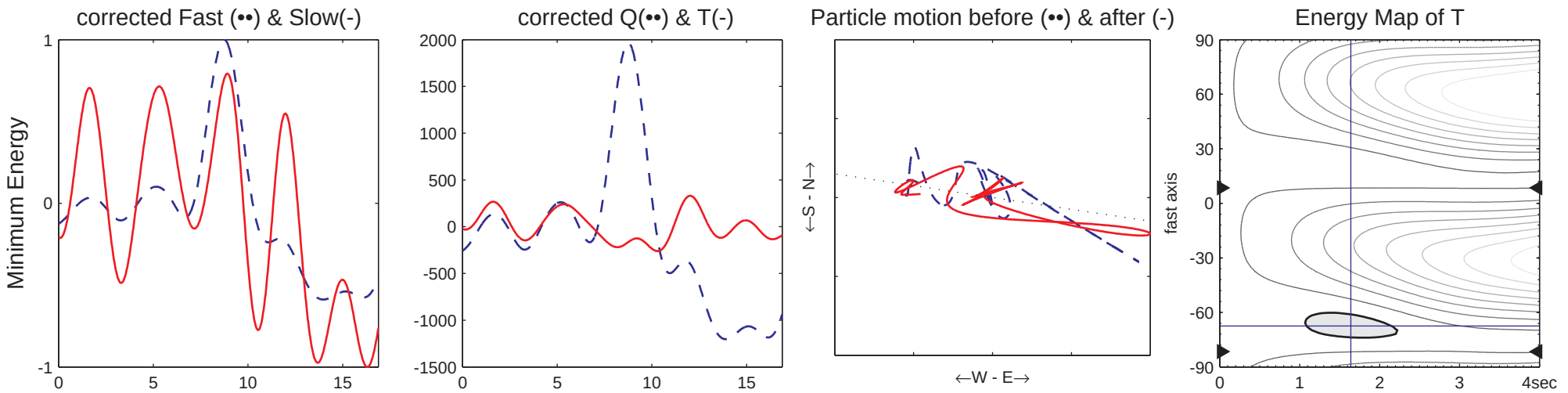
Event: **03-Jun-2008 (155) 22:04 -8.10N 120.23E 14km Mw=6.0**
Station: **LFK** Backazimuth: **98.5”** Distance: **92.00”**
init.Pol.: **281.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

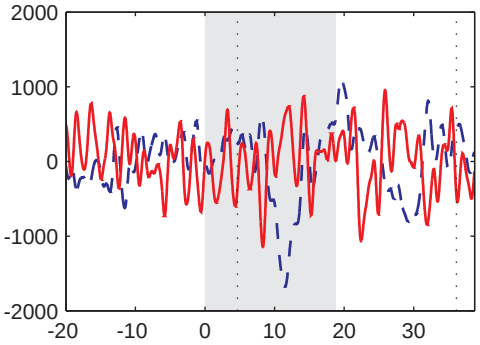
Rotation Correlation:	53<	65° <	79	0.0<0.0s<0.2
Minimum Energy:	-76<	-67° <	-62	1.1<1.6s<2.2
Eigenvalue:	-76<	-65° <	-58	0.8<1.6s<2.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





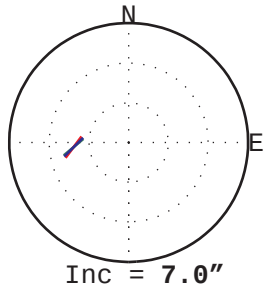


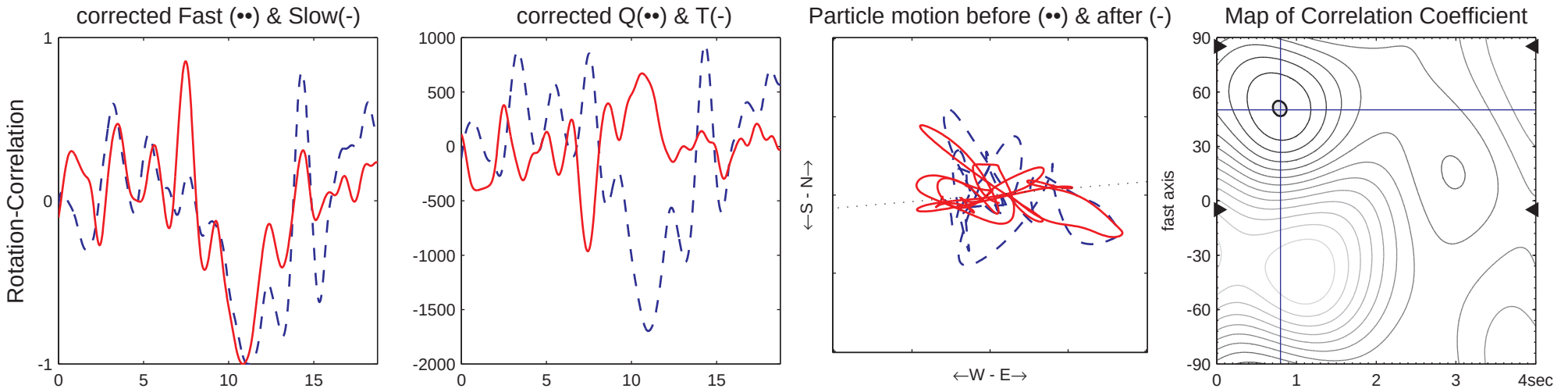


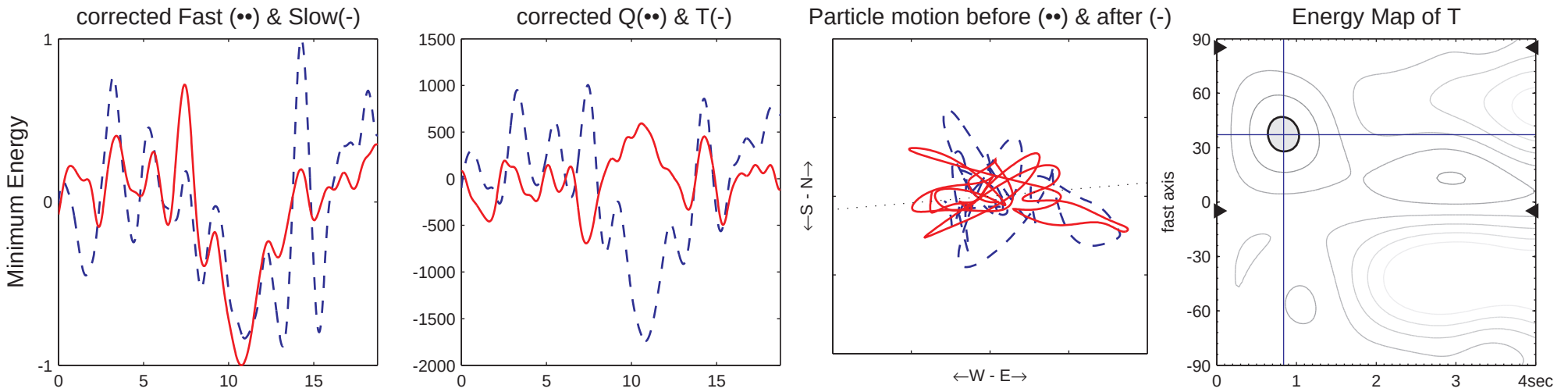
Event: **08-Jul-2008 (190) 09:13 -15.99N -71.75E 123km Mw=6.2**
Station: **LFK** Backazimuth: **265.2”** Distance: **111.46”**
init.Pol.: **99.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.1**

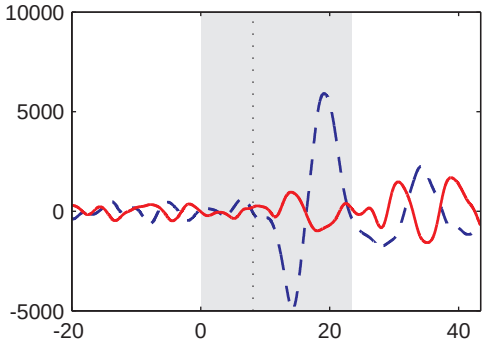
Rotation Correlation:	47<	50° <	55	0.7<0.8s<0.9
Minimum Energy:	27<	37° <	48	0.6<0.8s<1.0
Eigenvalue:	37<	45° <	56	0.6<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





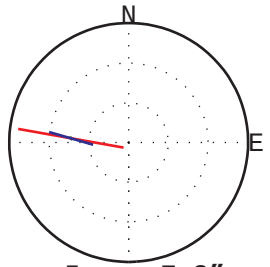


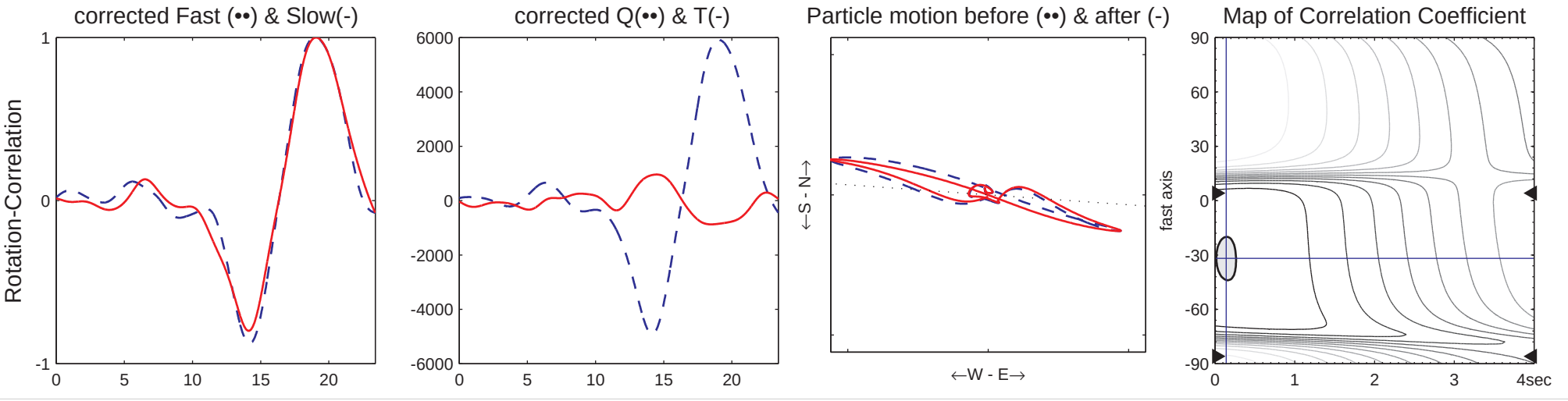


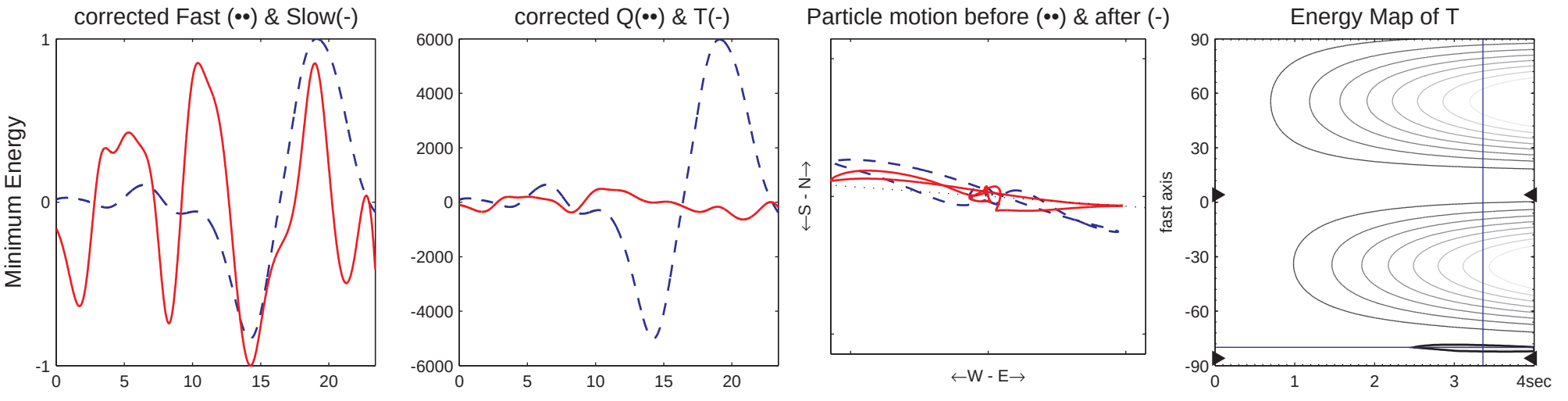
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **LFK** Backazimuth: **274.1”** Distance: **109.00”**
init.Pol.: **101.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.6**

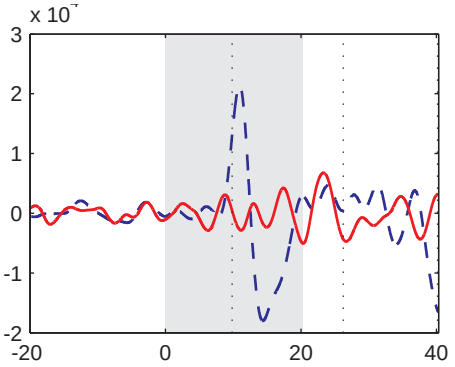
Rotation Correlation:	-45<	-32° < -21	0.0<0.1s<0.3
Minimum Energy:	-84<	-80° < -80	2.5<3.4s<4.0
Eigenvalue:	-80<	-74° < 1	0.1<1.4s<3.3

Quality: **good** IsNull: **Yes** Phase: **SKS**





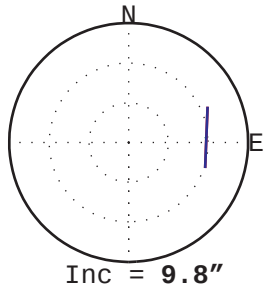


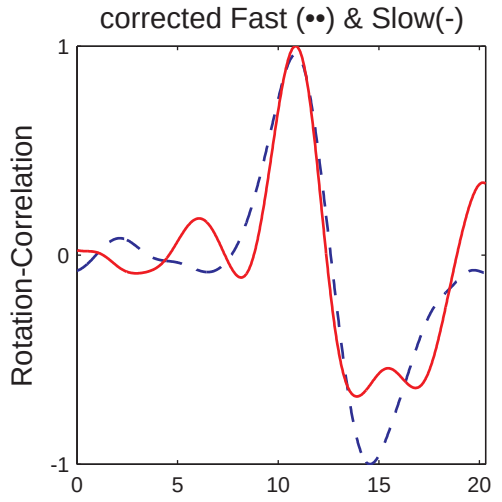


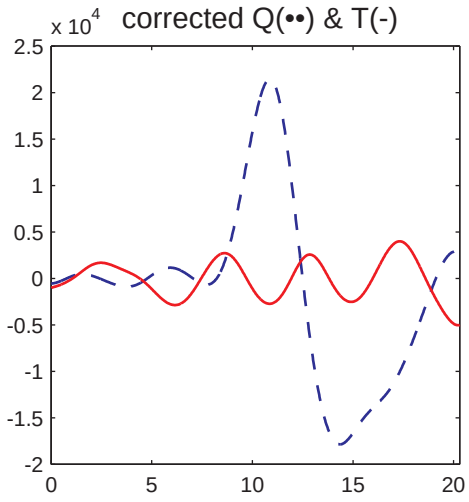
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **LFK** Backazimuth: **86.2”** Distance: **92.03”**
init.Pol.: **266.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

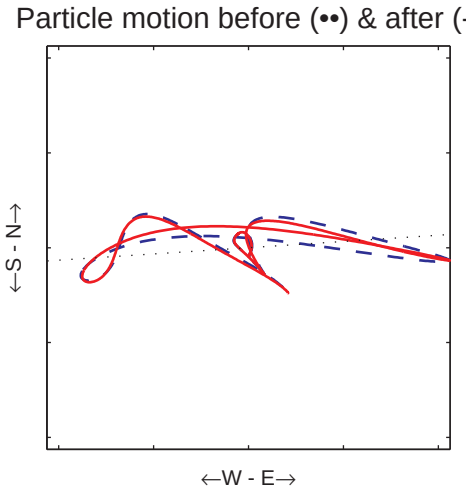
Rotation Correlation:	34<	44° <	56	0.0<0.1s<0.4
Minimum Energy:	-3<	2° <	9	0.6<1.9s<3.3
Eigenvalue:	-3<	2° <	39	0.0<1.9s<3.3

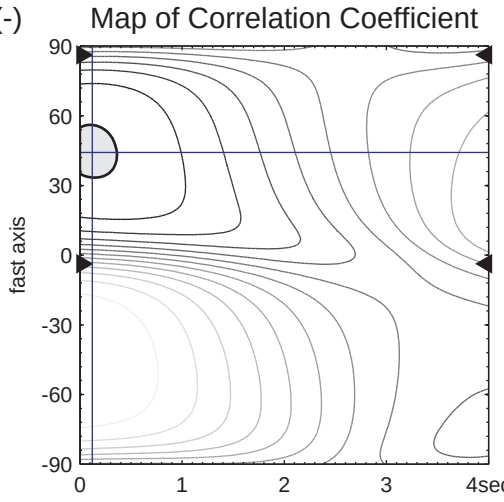
Quality: **good** IsNull: **Yes** Phase: **SKS**

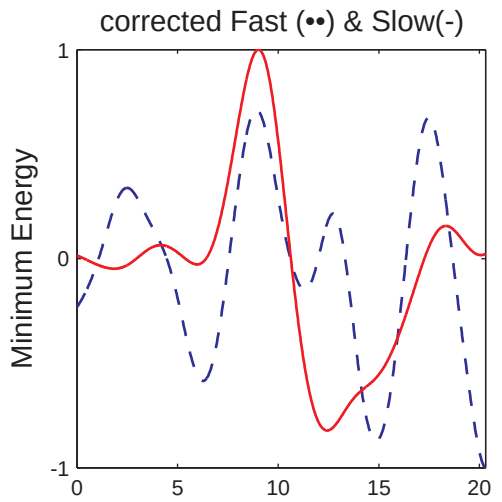


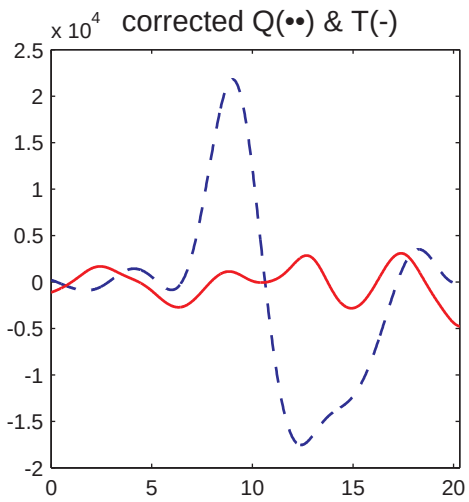


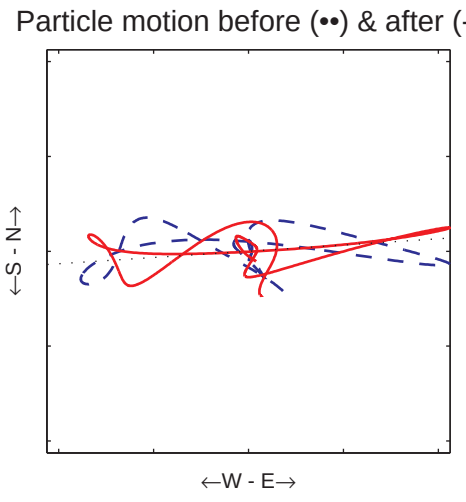


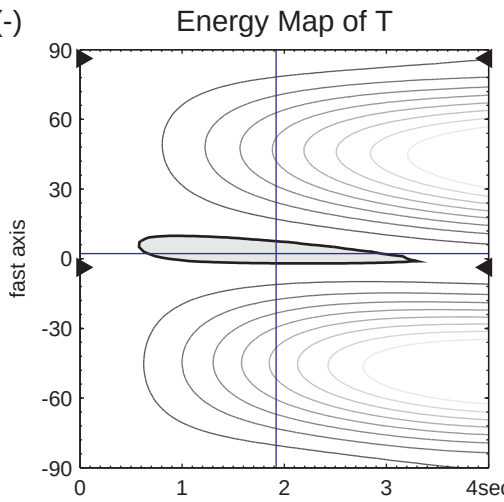


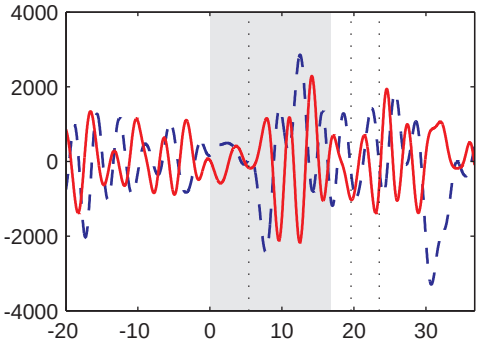








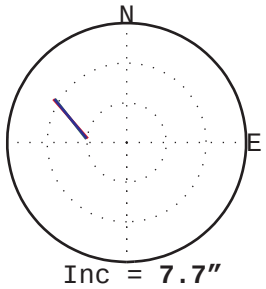


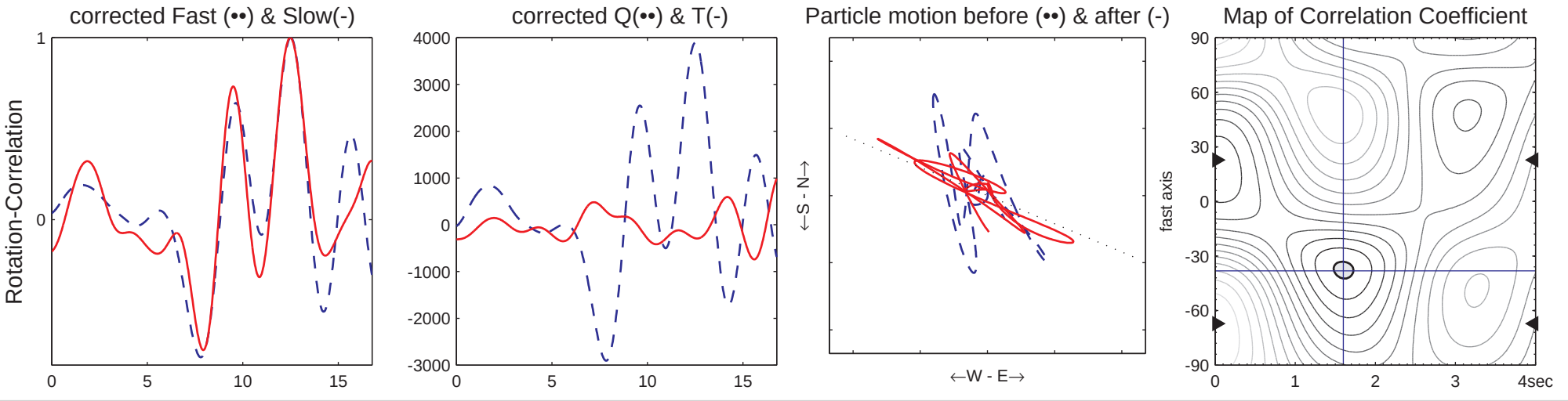


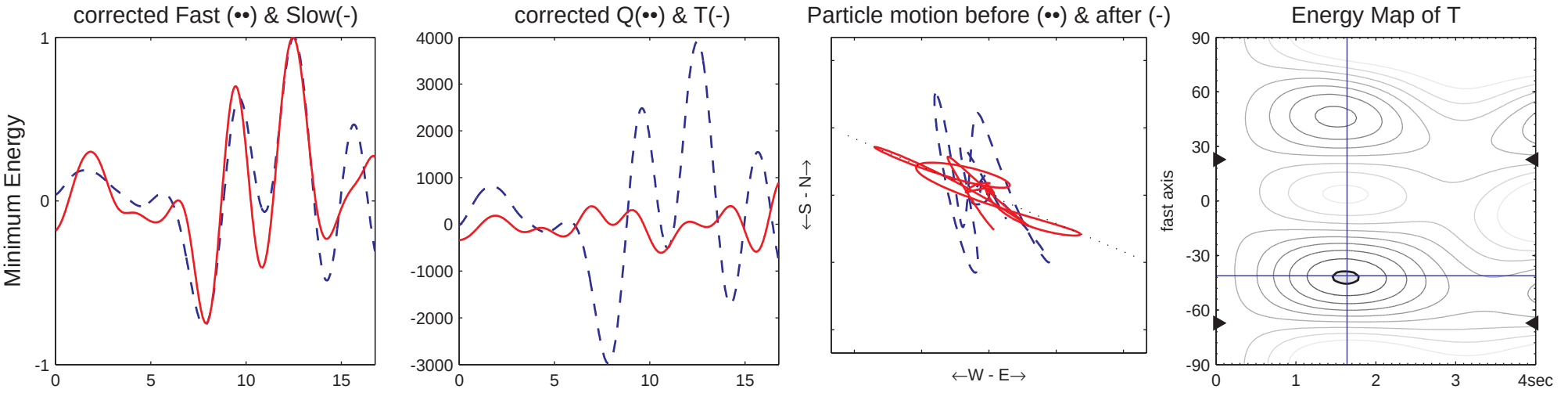
Event: **19-Nov-2008 (324) 06:11 8.27N -82.97E 32km Mw=6.3**
Station: **LFK** Backazimuth: **292.8”** Distance: **106.11”**
init.Pol.: **118.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

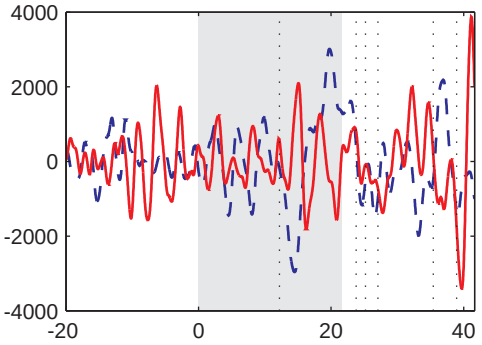
Rotation Correlation:	-44< -38° < -34	1.5<1.6s<1.7
Minimum Energy:	-48< -41° < -41	1.5<1.6s<1.8
Eigenvalue:	-48< -39° < -35	1.4<1.6s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





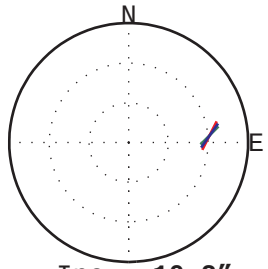




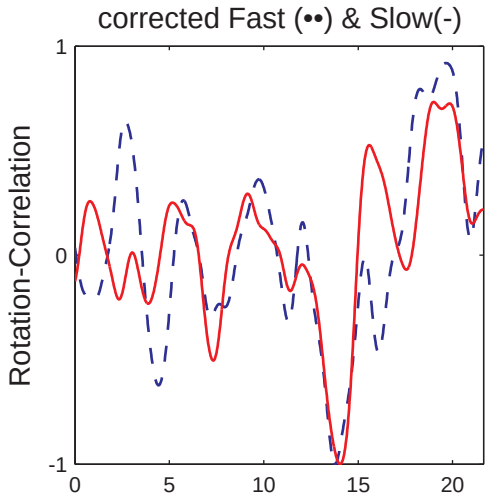
Event: **12-Feb-2009 (043) 03:49 3.95N 126.41E 26km Mw=6.0**
Station: **LFK** Backazimuth: **85.1”** Distance: **90.06”**
init.Pol.: **275.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.2**

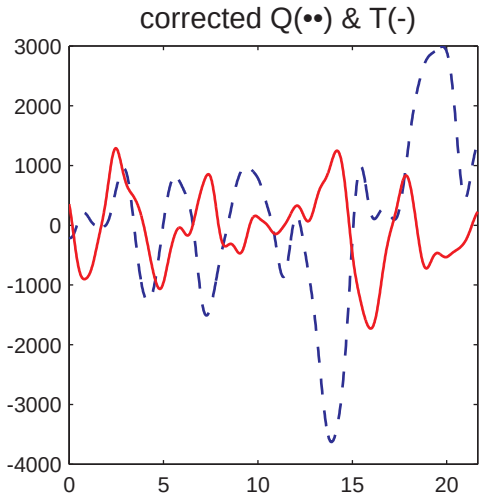
Rotation Correlation:	39<	45° <	54	0.6<0.8s<1.0
Minimum Energy:	13<	27° <	41	0.6<1.0s<1.4
Eigenvalue:	19<	35° <	52	0.6<0.9s<1.3

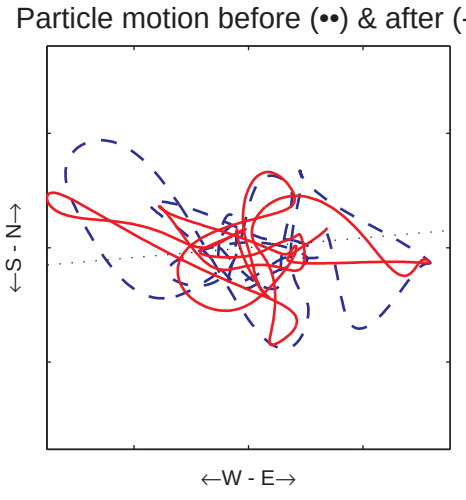
Quality: **fair** IsNull: **No** Phase: **SKS**

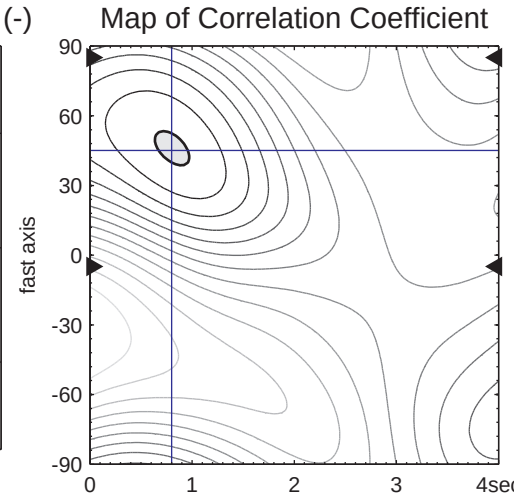


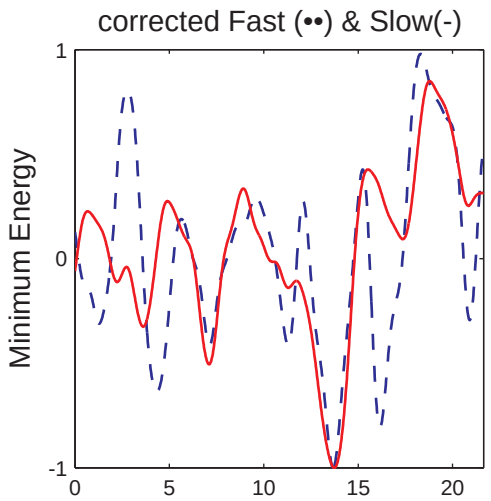
Inc = **10.2”**

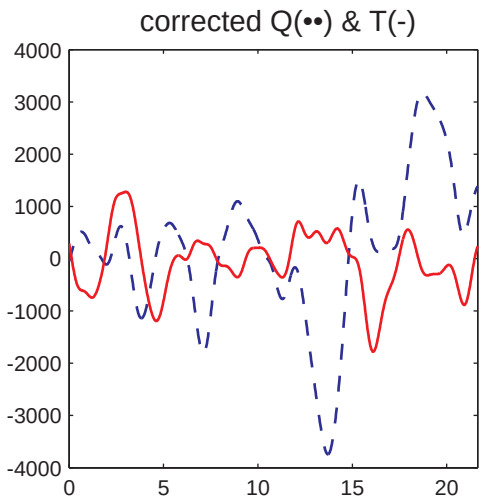


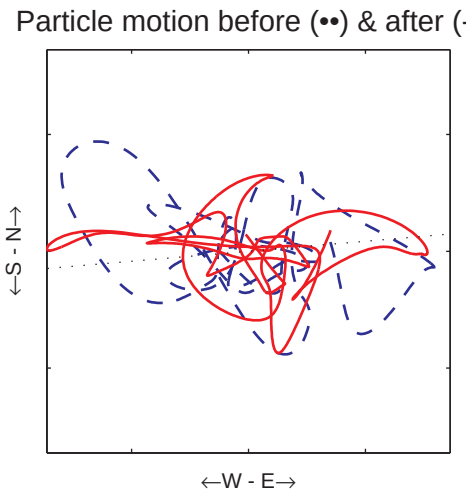


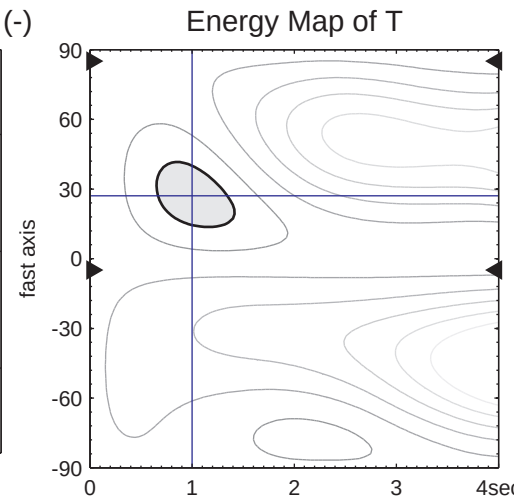


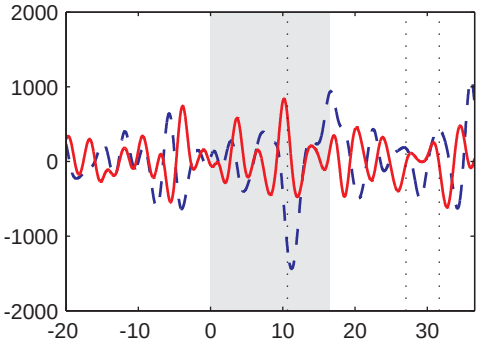








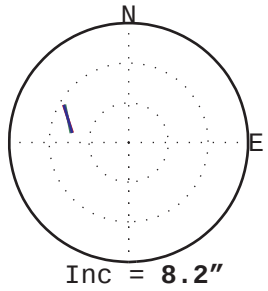


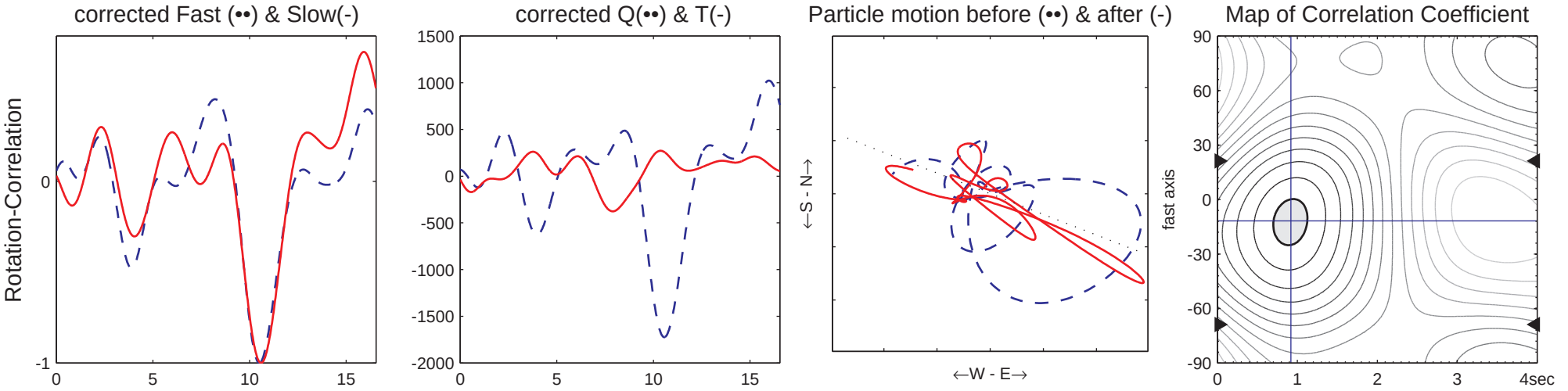


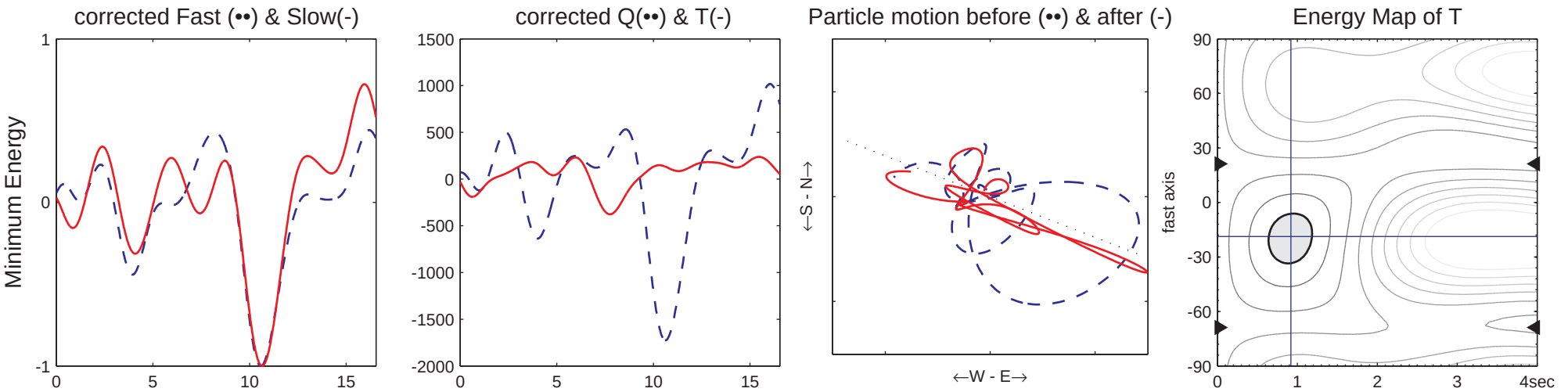
Event: **04-Jul-2009 (185) 06:49 9.59N -78.97E 38km Mw=6.1**
Station: **LFK** Backazimuth: **291.2”** Distance: **102.23”**
init.Pol.: **113.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

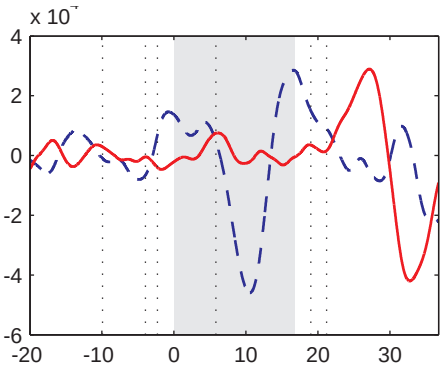
Rotation Correlation:	-27<	-12° <	-1	0.7<0.9s<1.1
Minimum Energy:	-35<	-19° <	-9	0.6<0.9s<1.2
Eigenvalue:	-37<	-17° <	-1	0.7<0.9s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





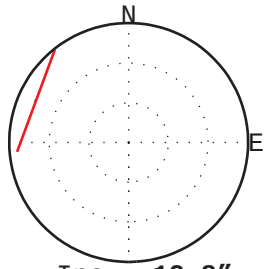


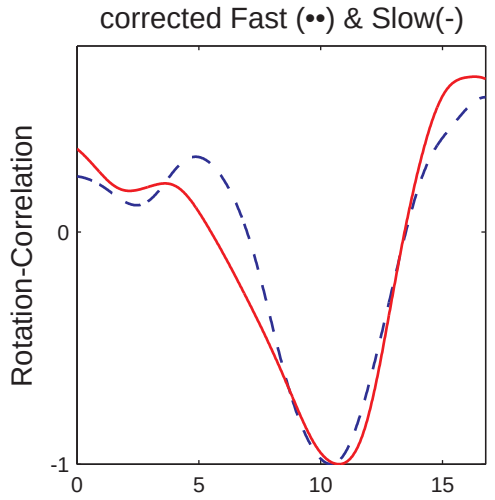


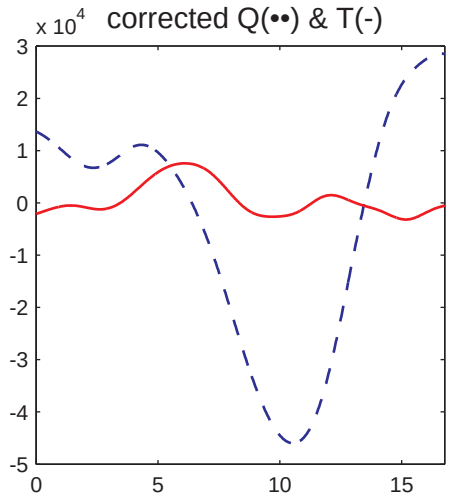
Event: **12-Jan-2010 (012) 21:53 18.44N -72.57E 13km Mw=7.0**
Station: **LFK** Backazimuth: **294.2”** Distance: **91.84”**
init.Pol.: **120.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.0**

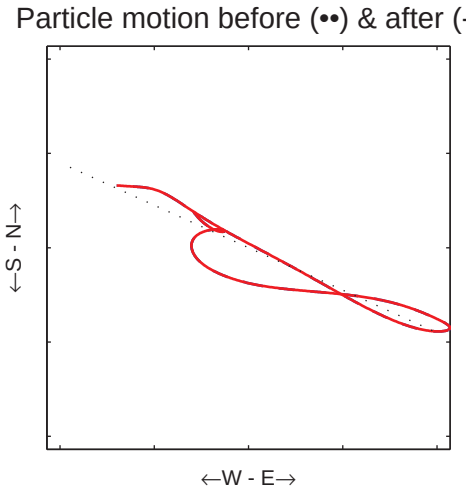
Rotation Correlation:	53<	69° <	86	0.0<0.0s<0.2
Minimum Energy:	-64<	20° <	25	0.0<3.4s<4.0
Eigenvalue:	23<	24° <	29	3.2<4.0s<4.0

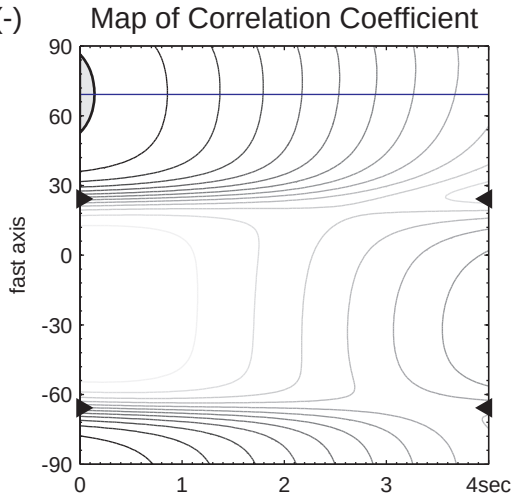
Quality: **good** IsNull: **Yes** Phase: **SKKS**

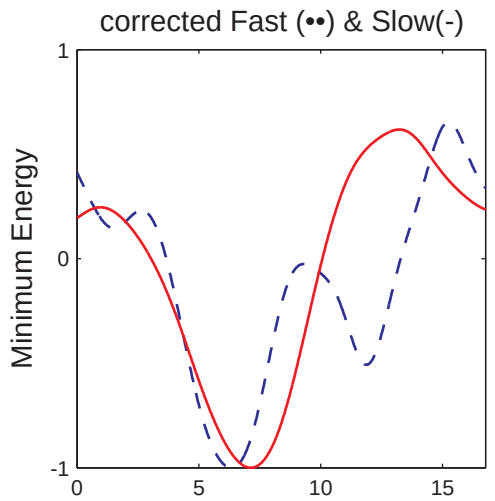


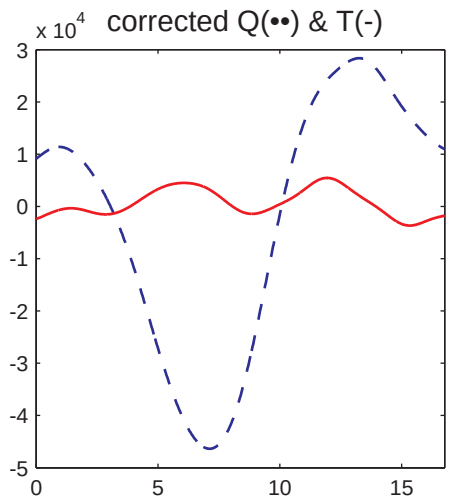


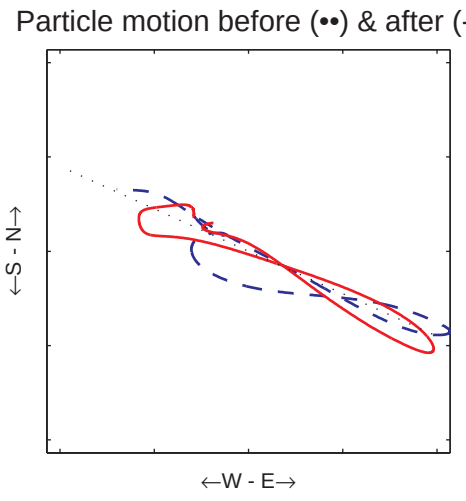


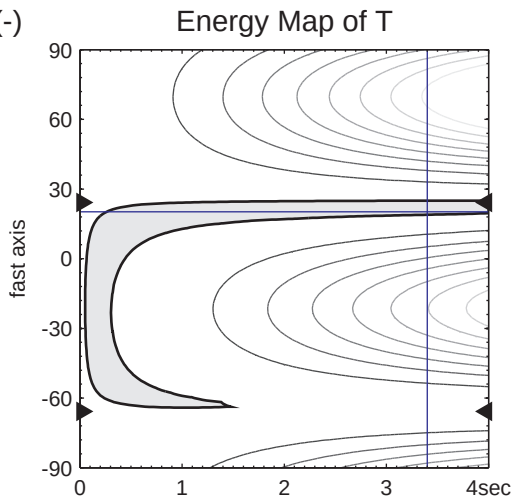


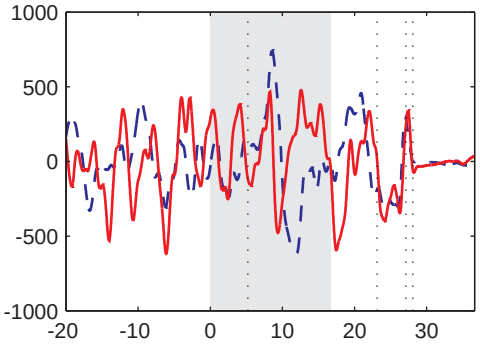








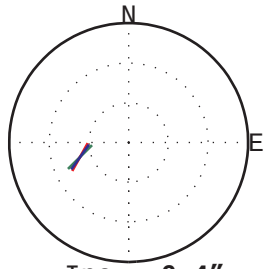




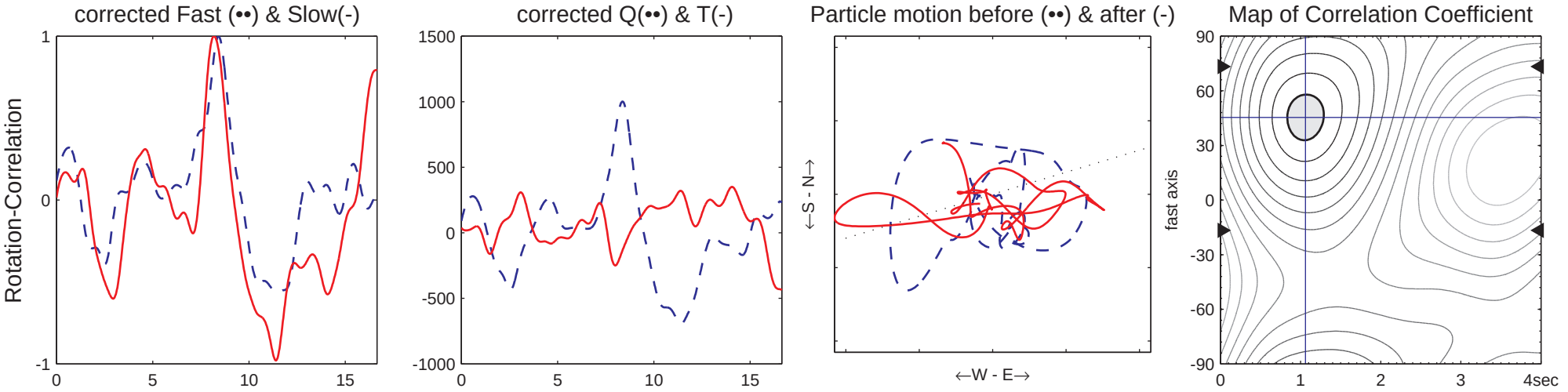
Event: **26-Mar-2010 (085) 14:52 -27.95N -70.82E 42km Mw=6.3**
Station: **LFK** Backazimuth: **253.3”** Distance: **116.71”**
init.Pol.: **83.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.0**

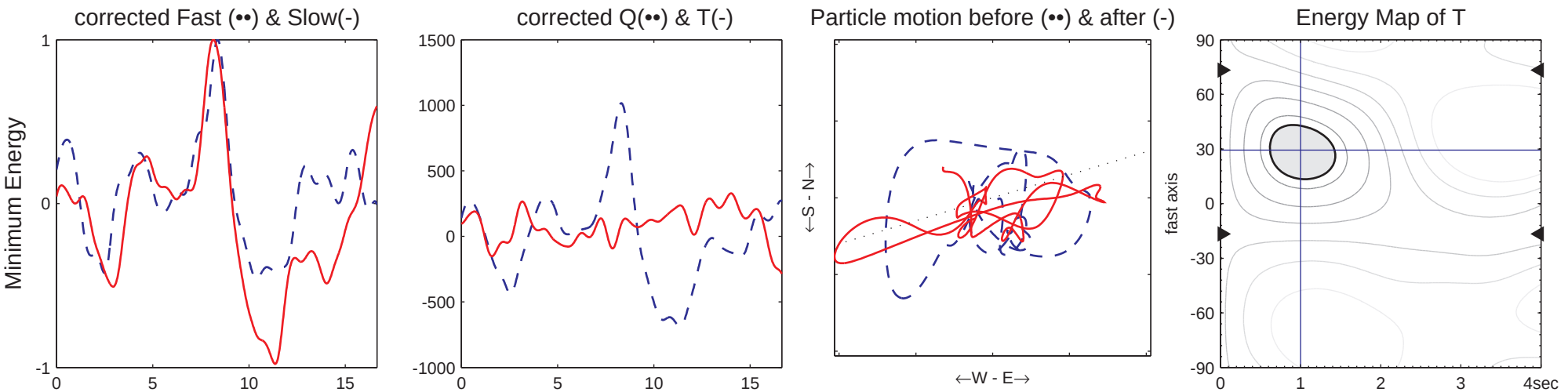
Rotation Correlation:	33<	45° <	58	0.8<1.1s<1.3
Minimum Energy:	13<	29° <	43	0.6<1.0s<1.4
Eigenvalue:	15<	35° <	54	0.6<1.0s<1.3

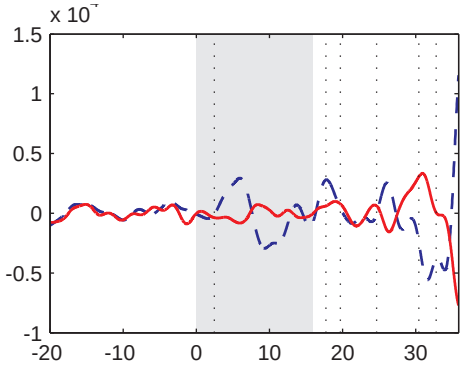
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.4”**



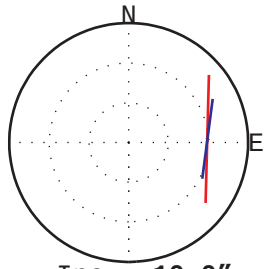




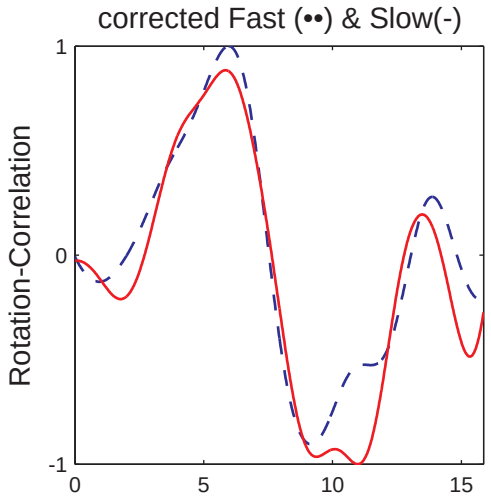
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **LFK** Backazimuth: **87.4”** Distance: **91.47”**
init.Pol.: **281.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.6**

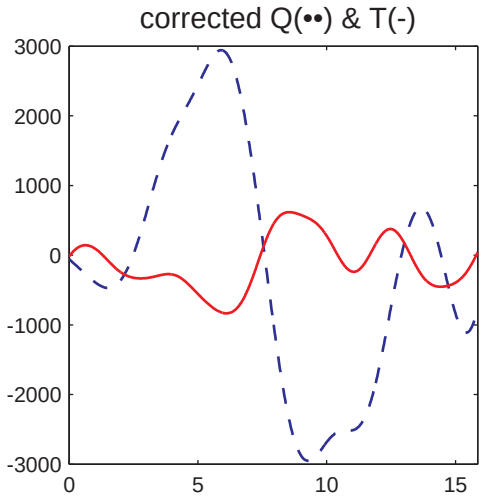
Rotation Correlation:	-52<	-38° < -27	0.0<0.1s<0.3
Minimum Energy:	-3<	1° < 5	2.8<4.0s<4.0
Eigenvalue:	-82<	7° < 11	0.0<2.5s<3.7

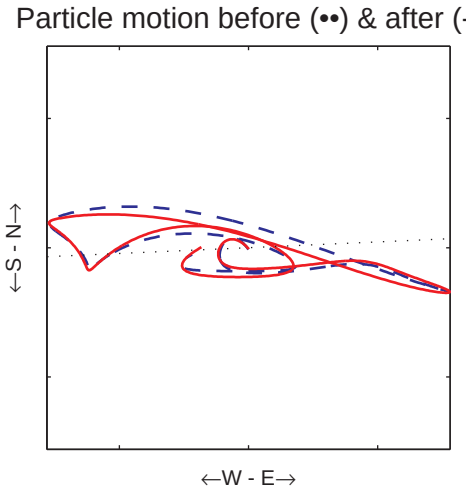
Quality: **good** IsNull: **Yes** Phase: **SKS**

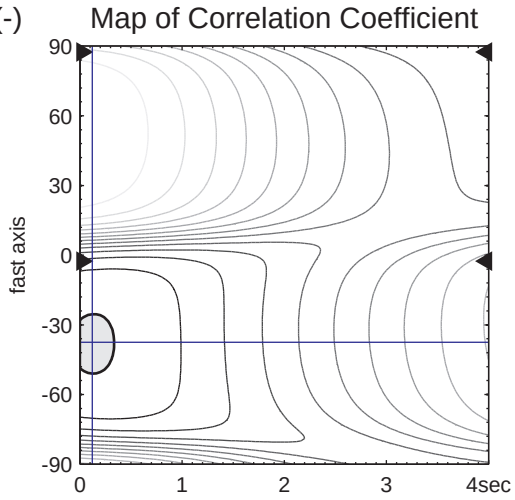


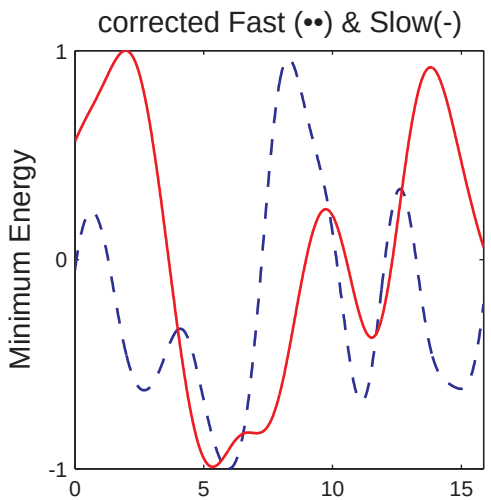
Inc = **10.0”**

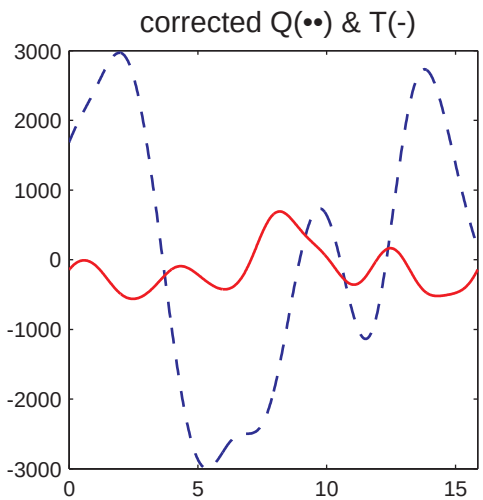


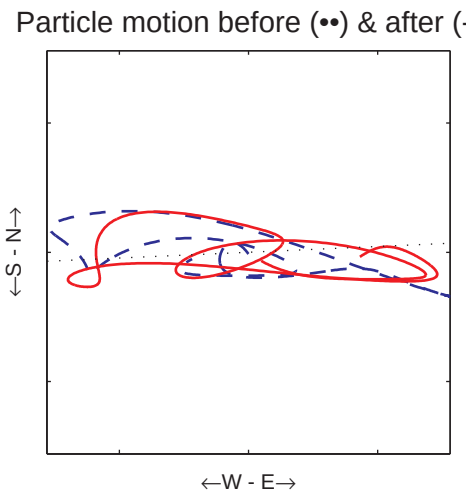


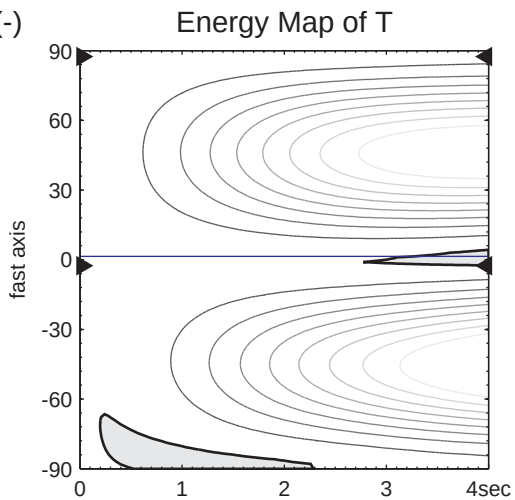


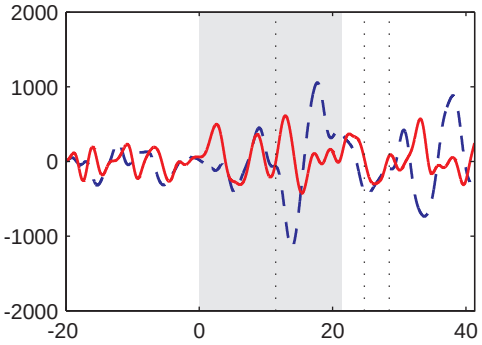








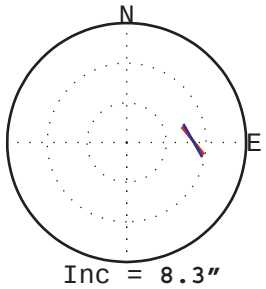


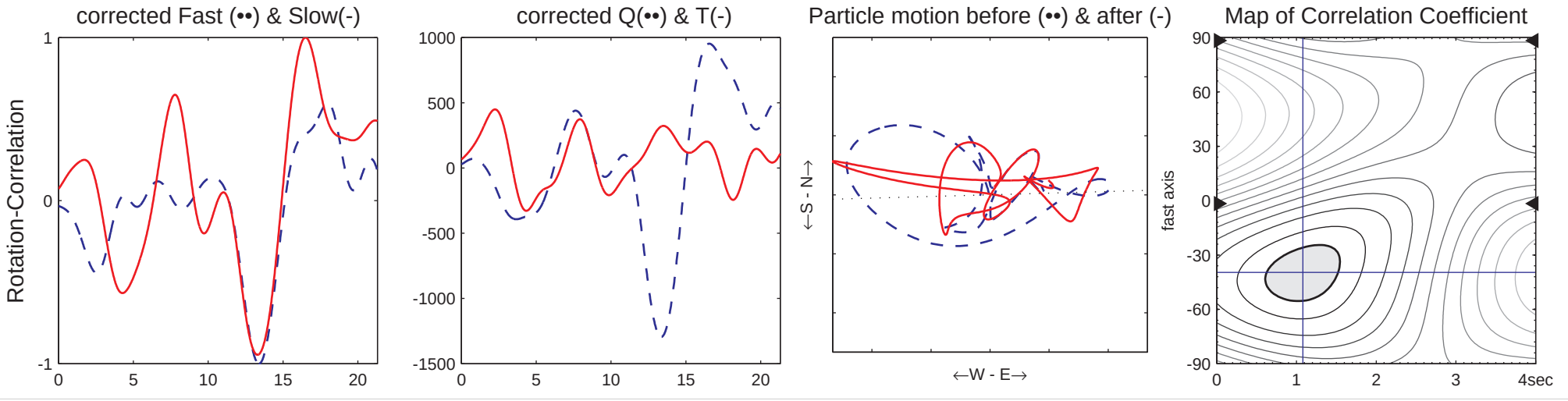


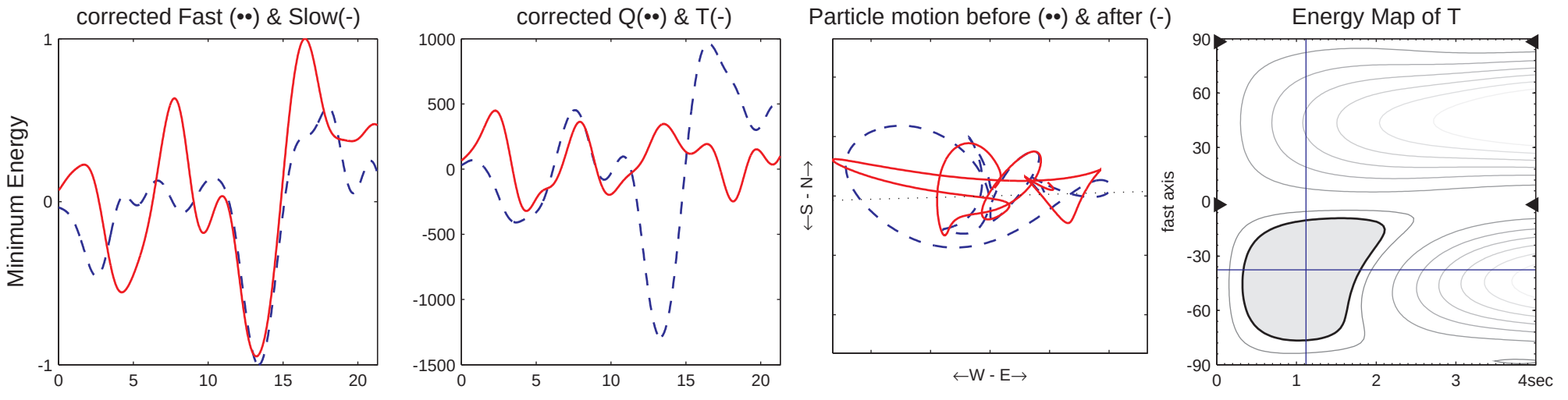
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **LFK** Backazimuth: **88.4”** Distance: **101.54”**
init.Pol.: **274.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

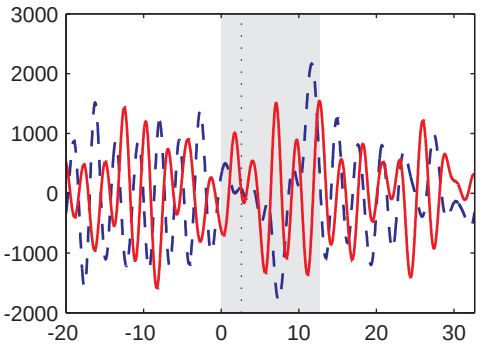
Rotation Correlation:	-57<	-40° < -26	0.6<1.1s<1.6
Minimum Energy:	-78<	-38° < -11	0.3<1.1s<2.1
Eigenvalue:	-78<	-30° < 1	0.4<1.2s<2.3

Quality: **fair** IsNull: **No** Phase: **SKS**





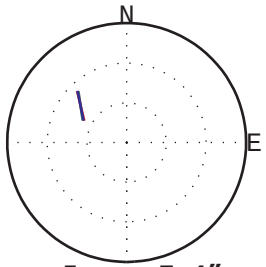


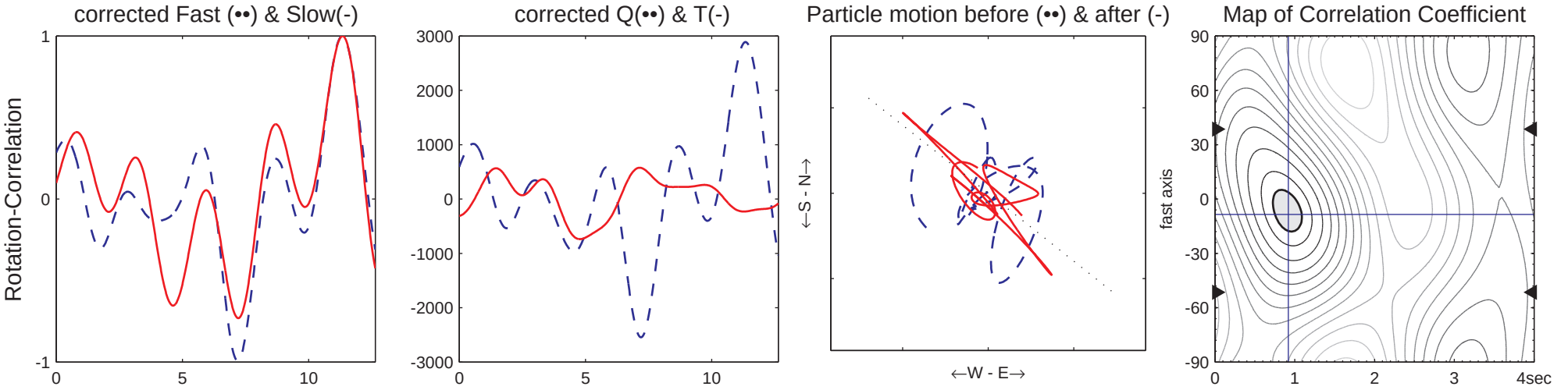


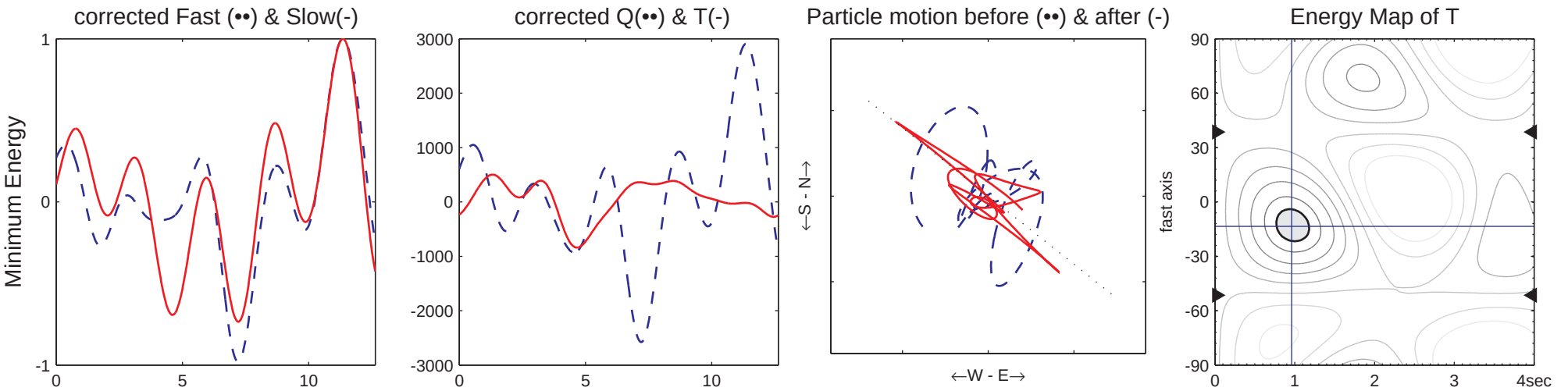
Event: **25-Feb-2011 (056) 13:07 17.84N -95.01E 122km Mw=5.9**
Station: **LFK** Backazimuth: **308.5”** Distance: **107.89”**
init.Pol.: **131.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

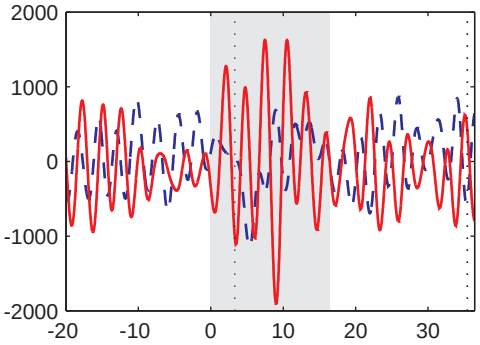
Rotation Correlation:	-19<	-8° <	5	0.7<0.9s<1.1
Minimum Energy:	-23<	-13° <	-5	0.8<1.0s<1.2
Eigenvalue:	-27<	-11° <	1	0.8<1.0s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





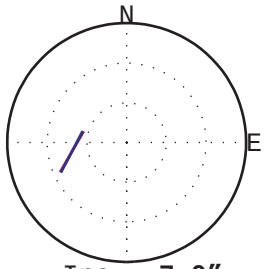




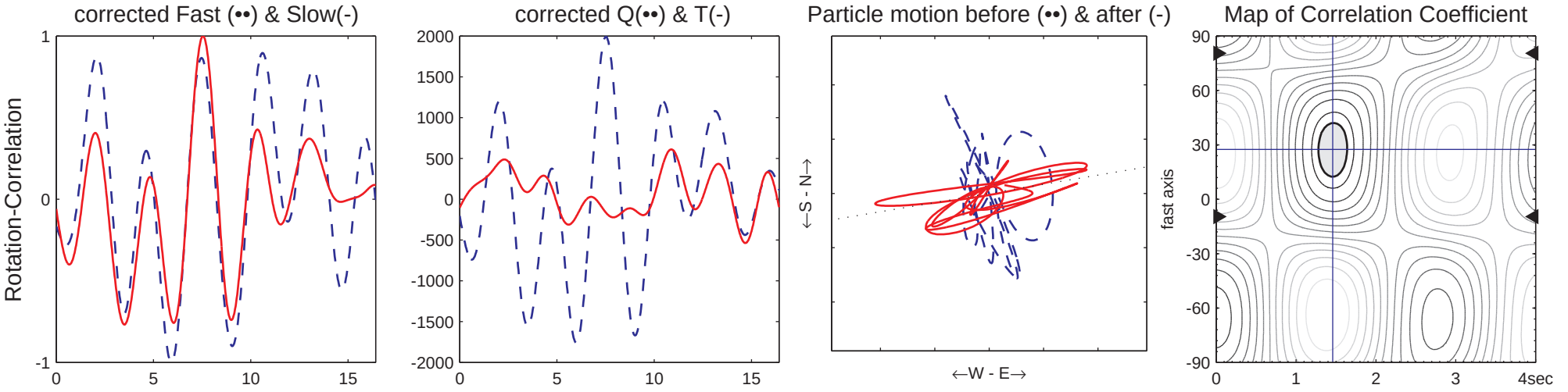
Event: **02-Apr-2011 (092) 10:59 -19.58N -69.06E 84km Mw=5.9**
Station: **LFK** Backazimuth: **260.4”** Distance: **111.18”**
init.Pol.: **75.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

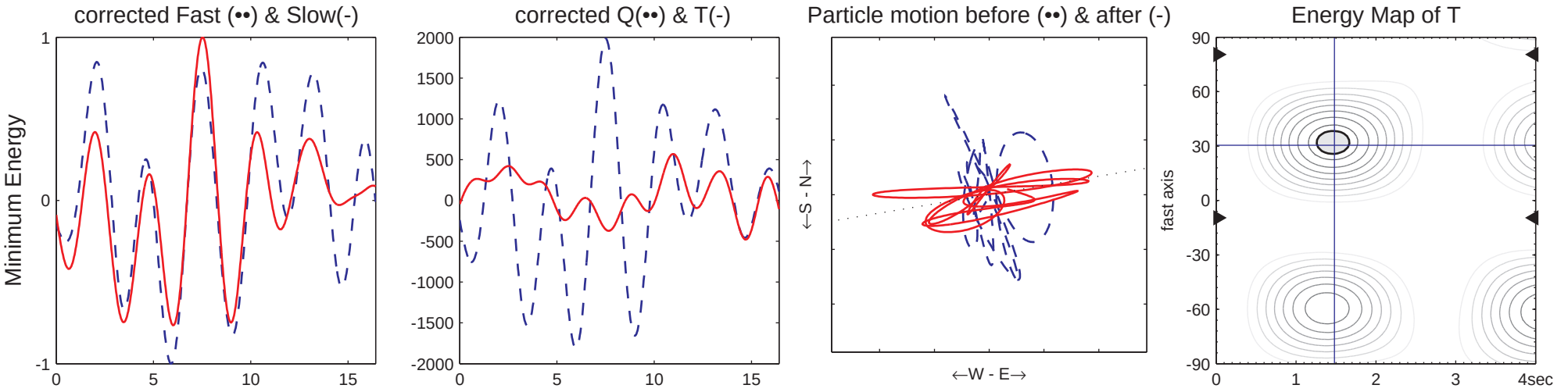
Rotation Correlation:	13<	27° <	42	1.3<1.5s<1.6
Minimum Energy:	25<	30° <	37	1.2<1.5s<1.7
Eigenvalue:	9<	28° <	50	1.3<1.5s<1.6

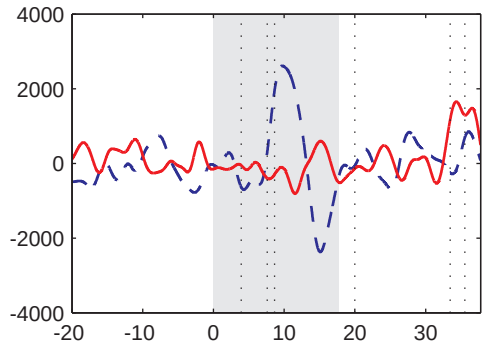
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



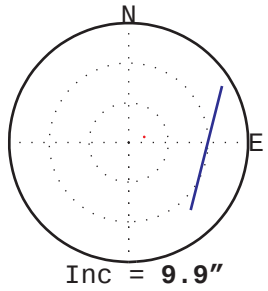


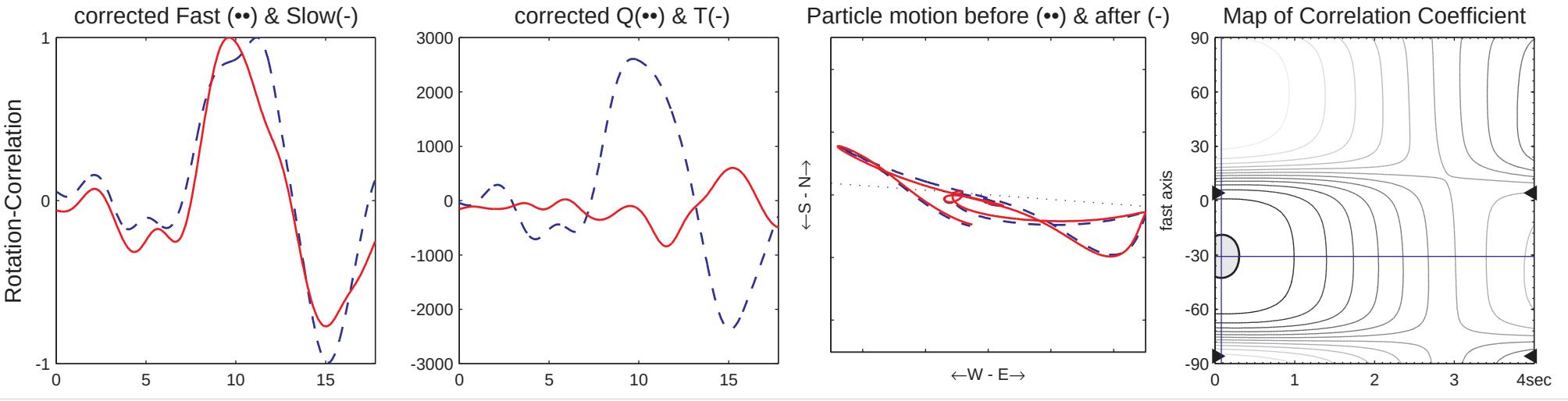


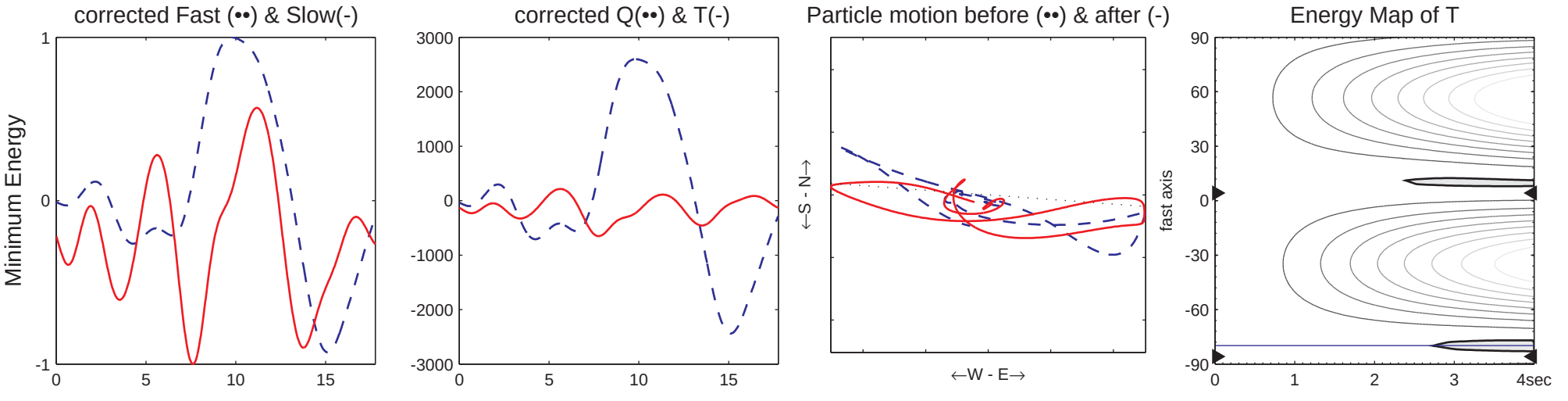
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **LFK** Backazimuth: **94.2”** Distance: **92.03”**
init.Pol.: **285.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.2**

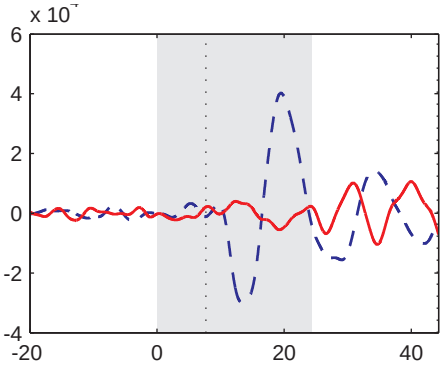
Rotation Correlation:	-44<	-31° <	-20 0.0<0.1s<0.3
Minimum Energy:	-86<	-80° <	-80 2.7<4.0s<4.0
Eigenvalue:	-Inf<	14° <	Inf 0.0<4.0s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





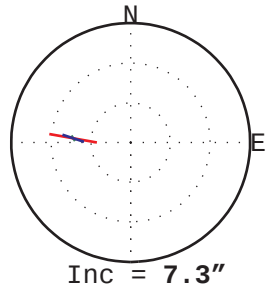


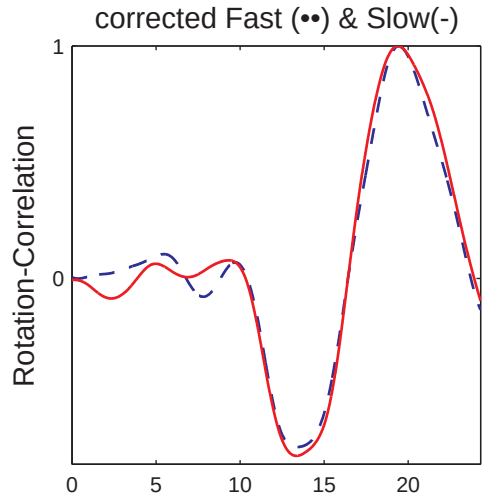


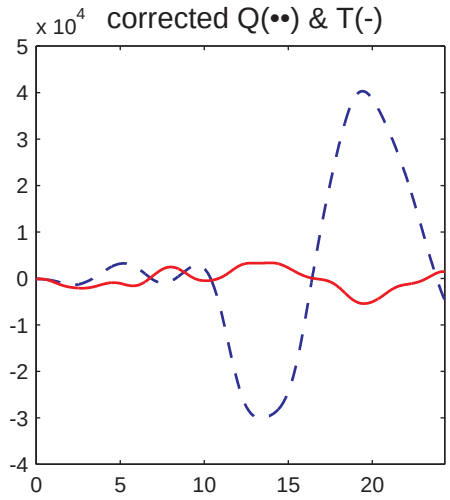
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **LFK** Backazimuth: **274.2”** Distance: **109.12”**
init.Pol.: **99.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.8**

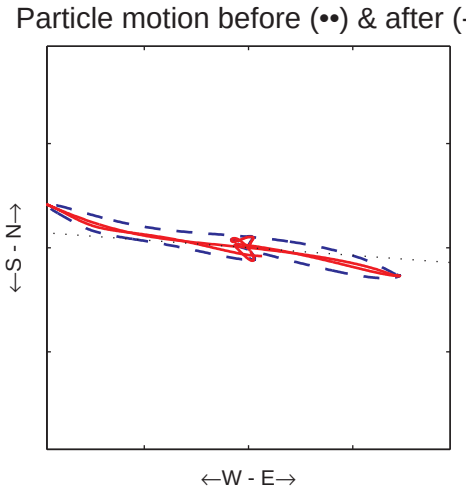
Rotation Correlation:	-53<	-36° <	-21	0.0<0.2s<0.3
Minimum Energy:	-86<	-80° <	-64	0.3<1.5s<2.3
Eigenvalue:	-80<	-72° <	11	0.1<0.7s<4.0

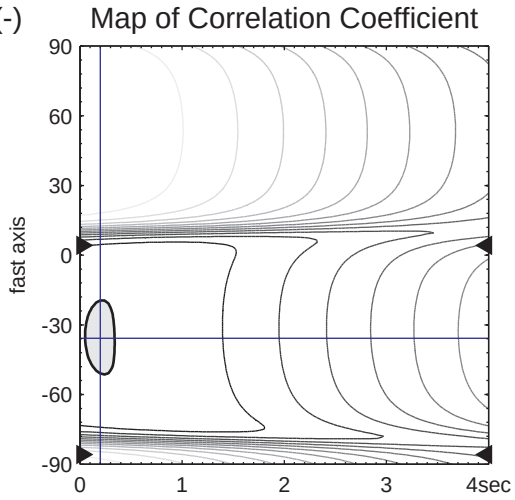
Quality: **good** IsNull: **Yes** Phase: **SKS**

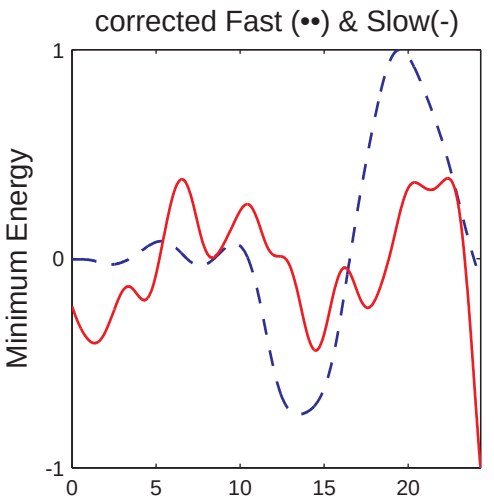


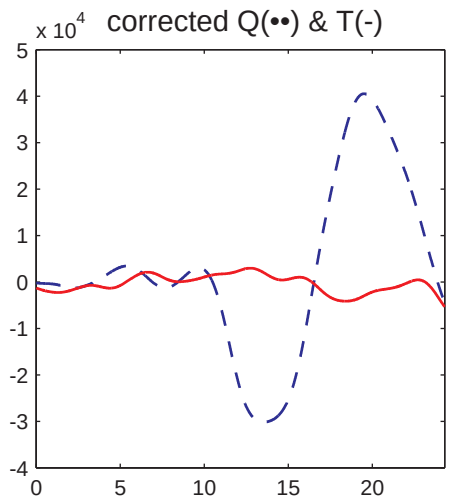


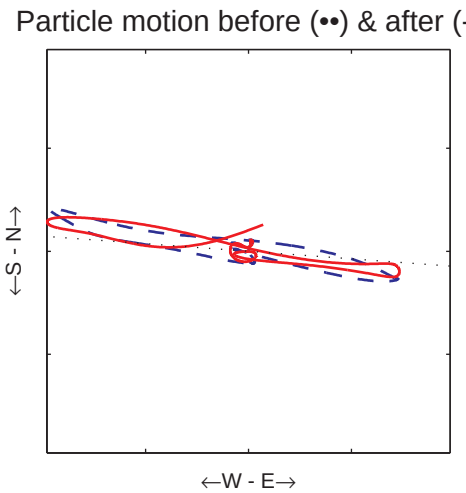


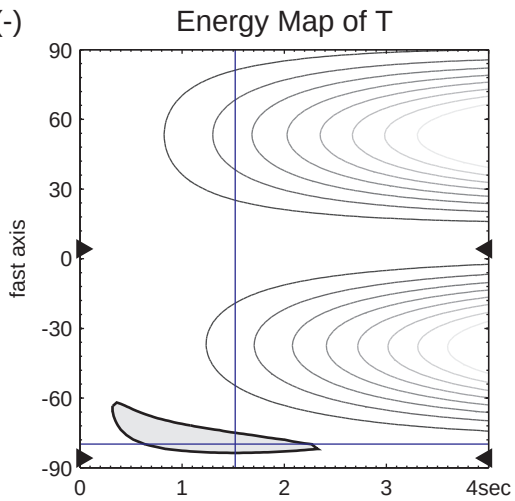


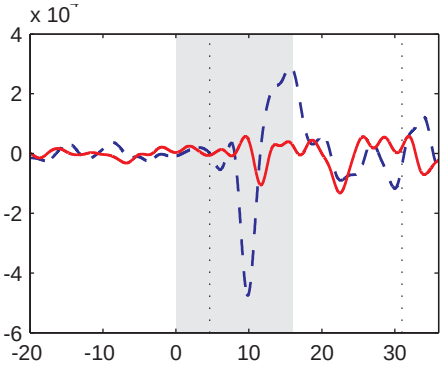








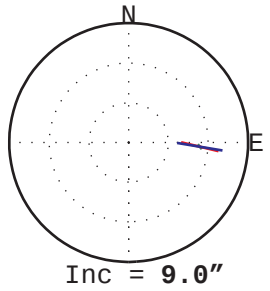


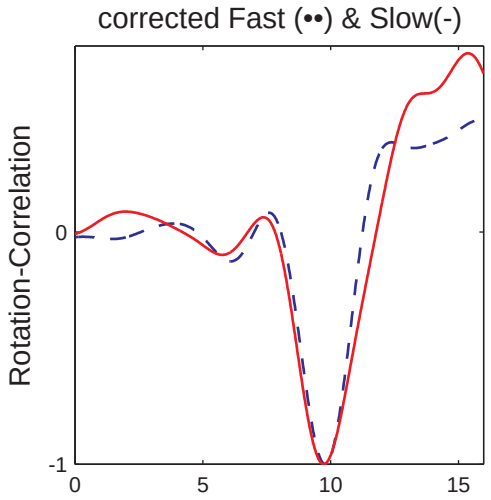


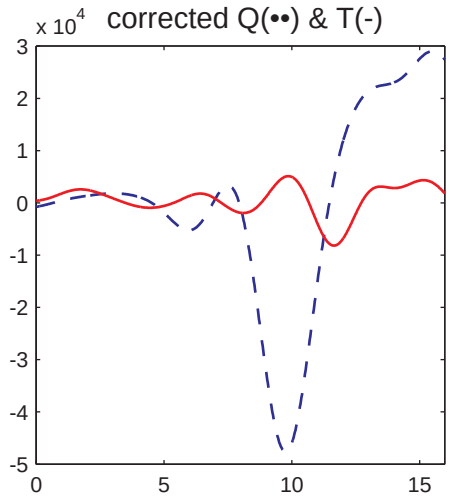
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **LFK** Backazimuth: **93.4”** Distance: **96.29”**
init.Pol.: **268.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.7**

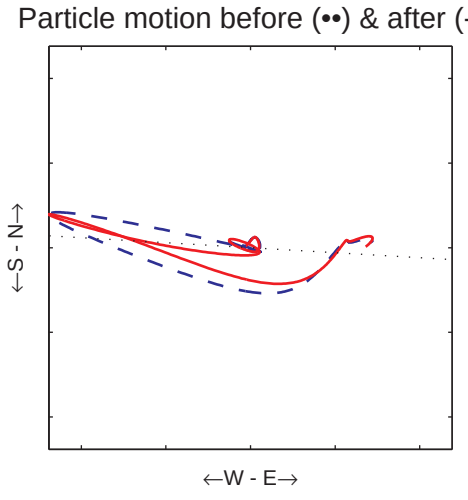
Rotation Correlation:	-53<	-41° <	-31 0.0<0.2s<0.4
Minimum Energy:	-84<	-77° <	-72 0.7<1.2s<1.7
Eigenvalue:	-86<	-81° <	-80 1.0<1.4s<1.8

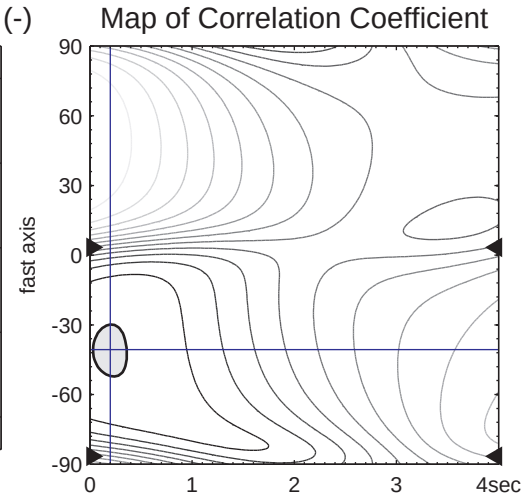
Quality: **fair** IsNull: **Yes** Phase: **SKS**

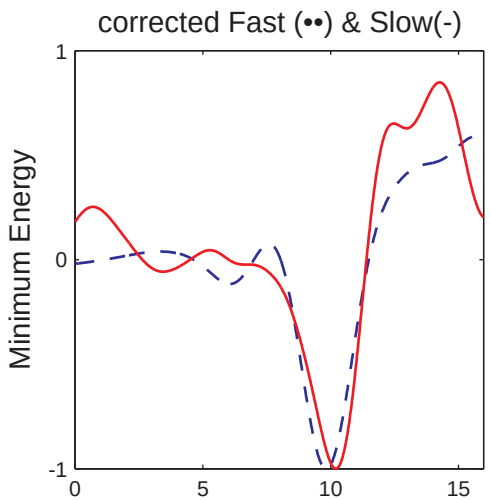


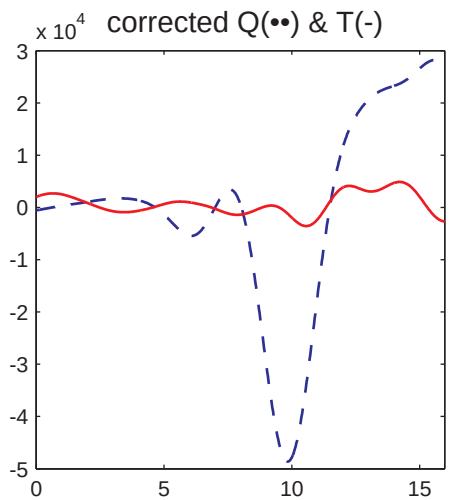


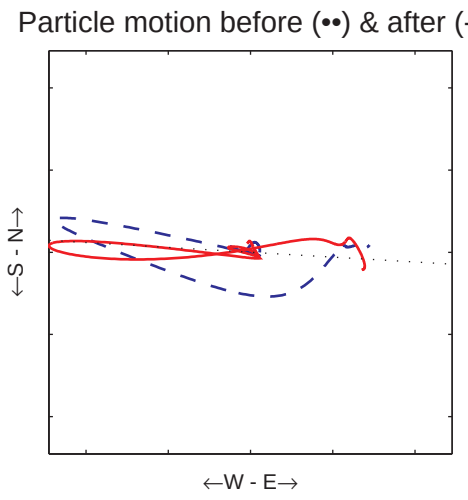


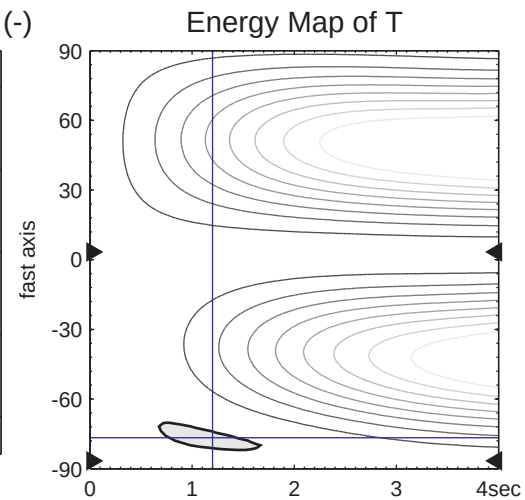


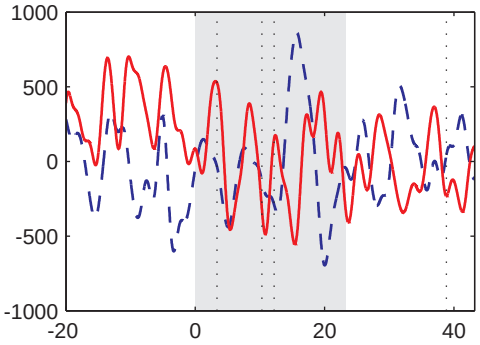








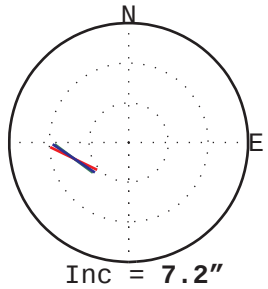


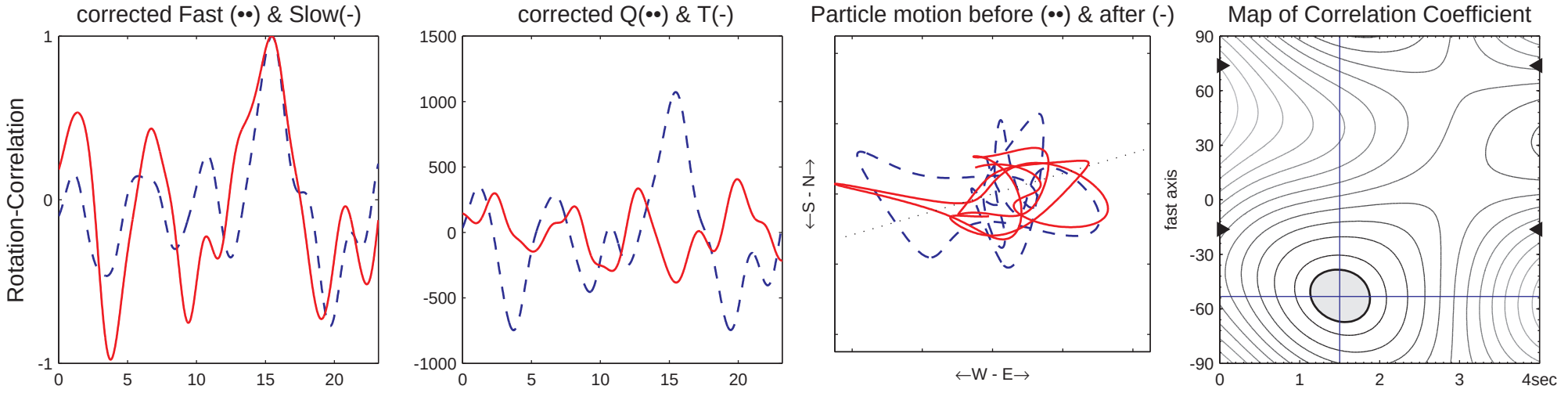


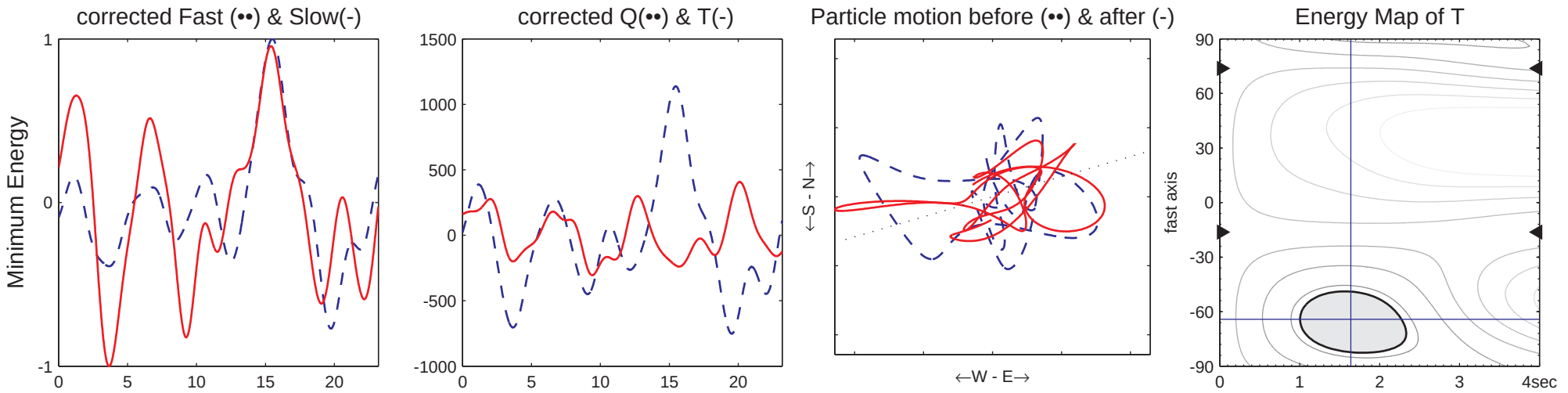
Event: **06-Oct-2011 (279) 11:12 -24.18N -64.22E 15km Mw=5.9**
Station: **LFK** Backazimuth: **253.8”** Distance: **109.70”**
init.Pol.: **84.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.2**

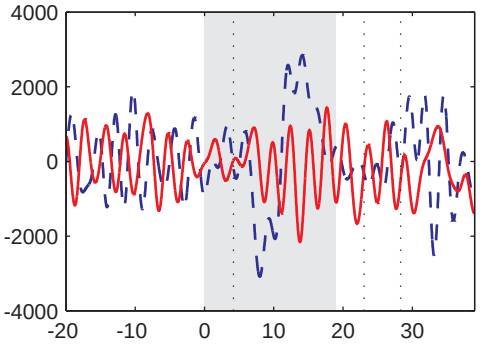
Rotation Correlation:	-68<	-53° <	-40	1.1<1.5s<1.9
Minimum Energy:	-84<	-64° <	-52	1.0<1.6s<2.3
Eigenvalue:	-84<	-56° <	-31	1.0<1.6s<2.2

Quality: **fair** IsNull: **No** Phase: **SKS**





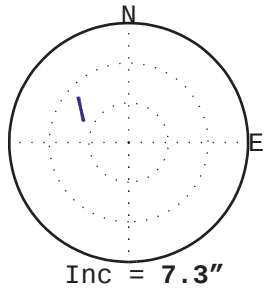


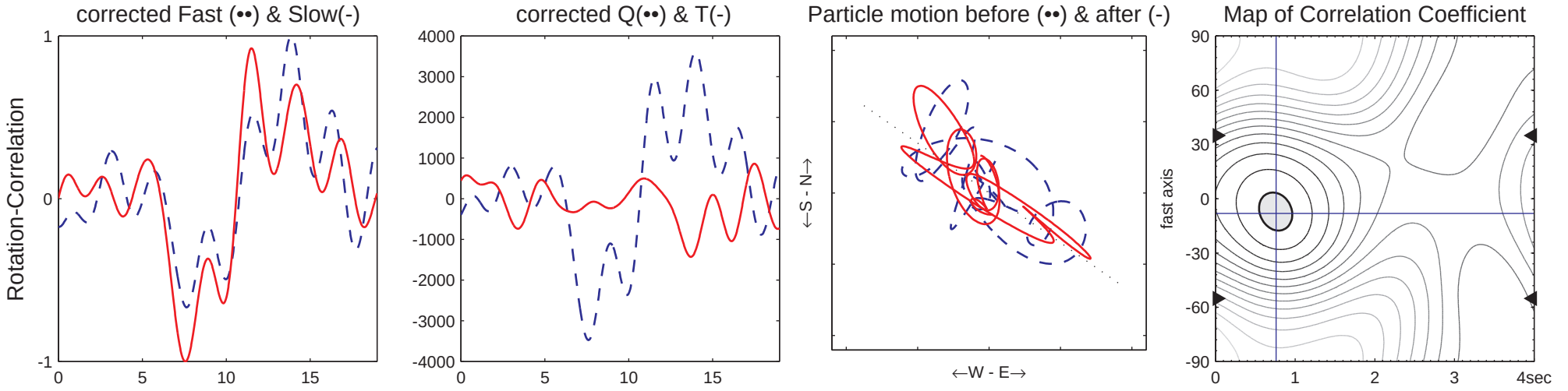


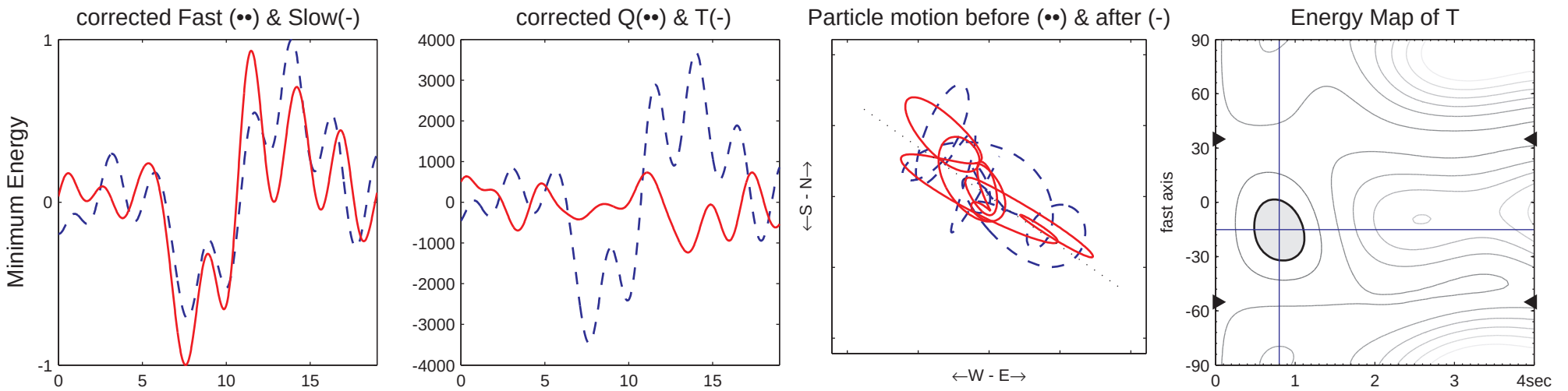
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **LFK** Backazimuth: **304.9”** Distance: **108.75”**
init.Pol.: **129.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

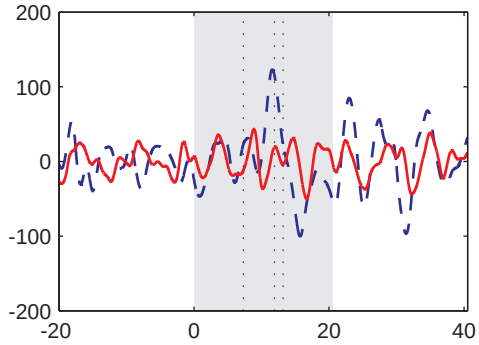
Rotation Correlation:	-19<	-8° <	3	0.6<0.8s<1.0
Minimum Energy:	-33<	-15° <	-1	0.5<0.8s<1.1
Eigenvalue:	-31<	-13° <	5	0.5<0.8s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





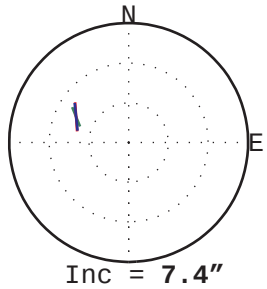


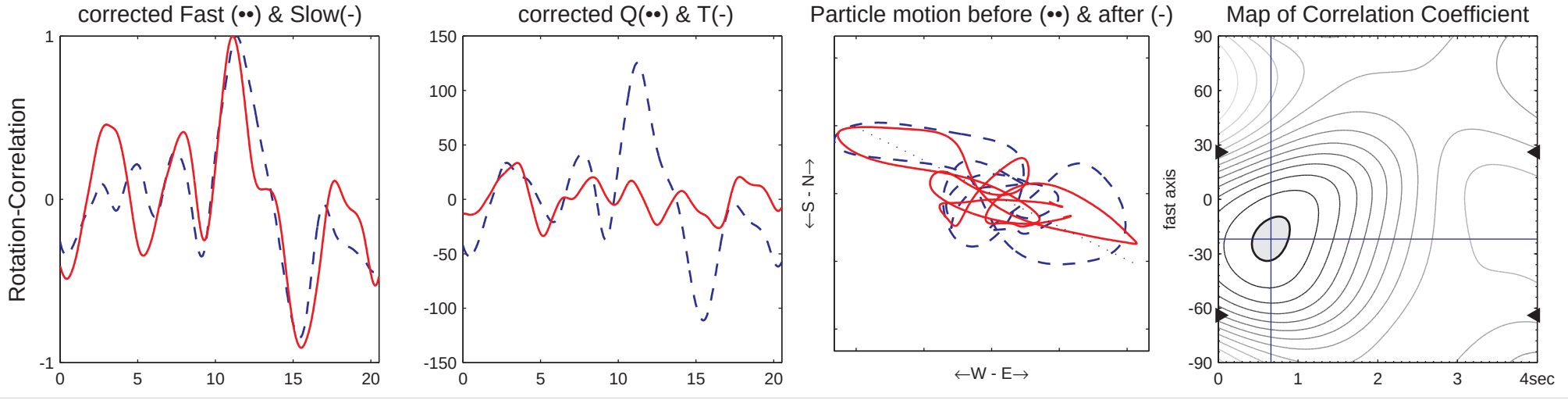


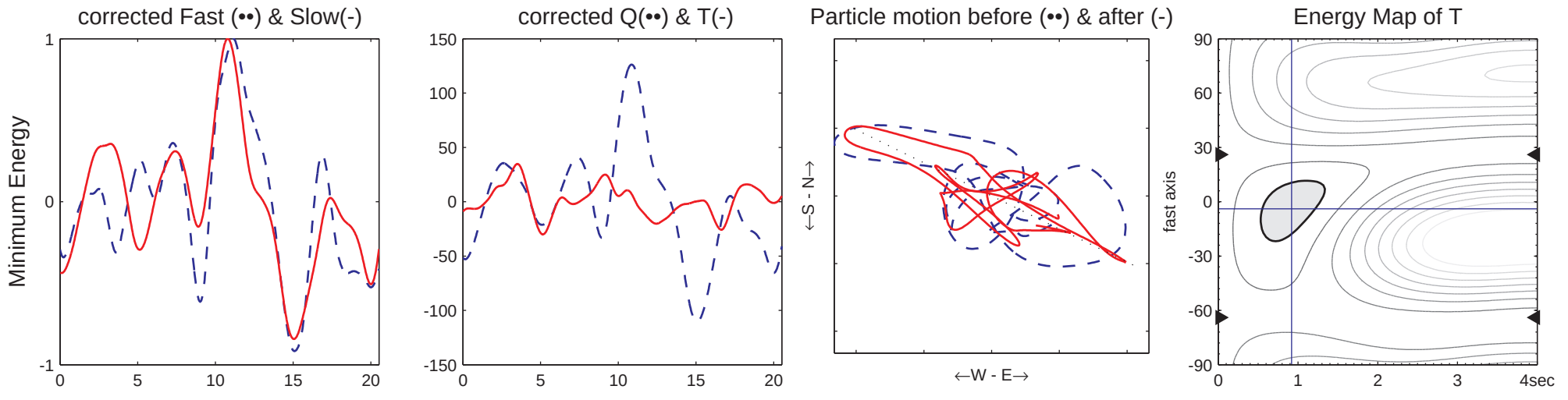
Event: **30-Dec-2005 (364) 18:26 7.53N -82.27E 10km Mw=6.1**
Station: **MALT** Backazimuth: **296.0”** Distance: **108.41”**
init.Pol.: **113.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.5**

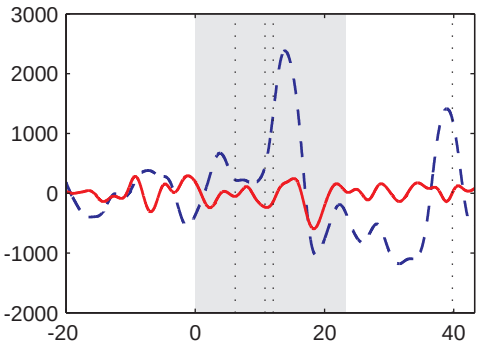
Rotation Correlation:	-35<	-22° < -11	0.4<0.7s<0.9
Minimum Energy:	-23<	-4° < 9	0.5<0.9s<1.3
Eigenvalue:	-37<	-6° < 9	0.5<0.9s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





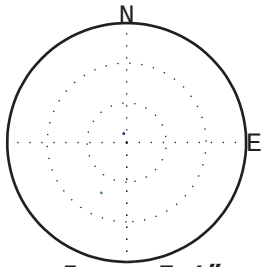


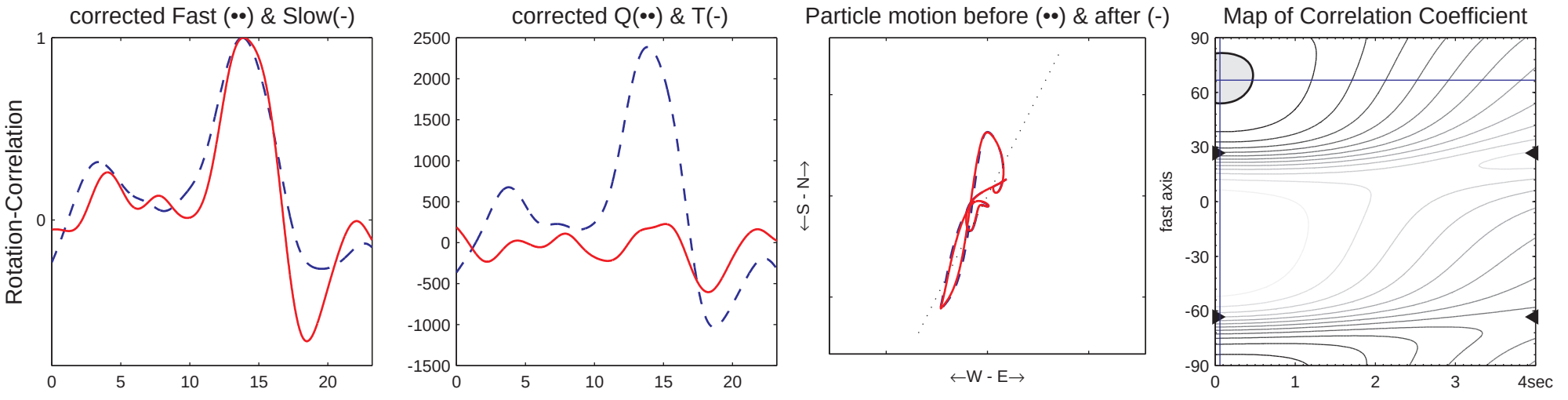


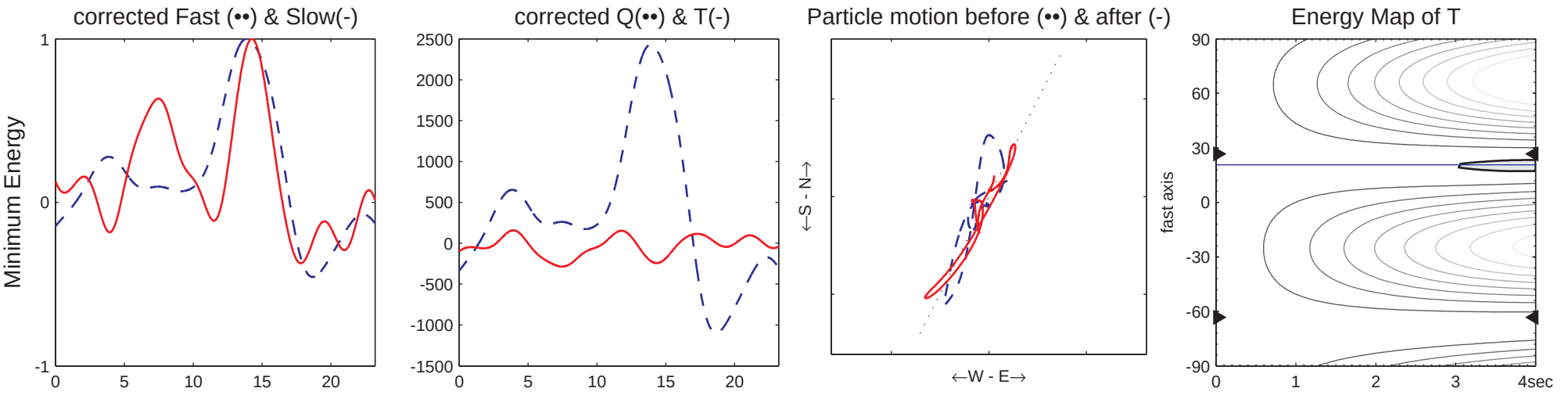
Event: **02-Jan-2006 (002) 06:10 -60.93N -21.58E 10km Mw=7.4**
Station: **MALT** Backazimuth: **206.7”** Distance: **110.57”**
init.Pol.: **28.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.0**

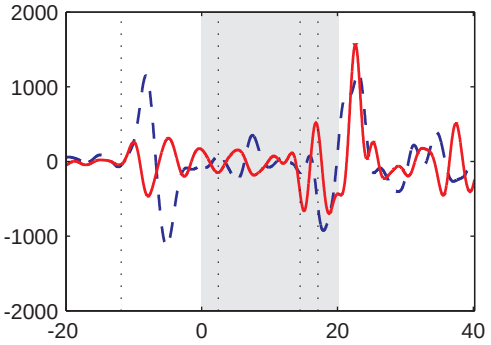
Rotation Correlation:	54<	67° <	82	0.0<0.1s<0.5
Minimum Energy:	17<	21° <	23	3.0<4.0s<4.0
Eigenvalue:	17<	21° <	25	3.2<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





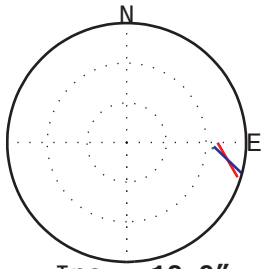




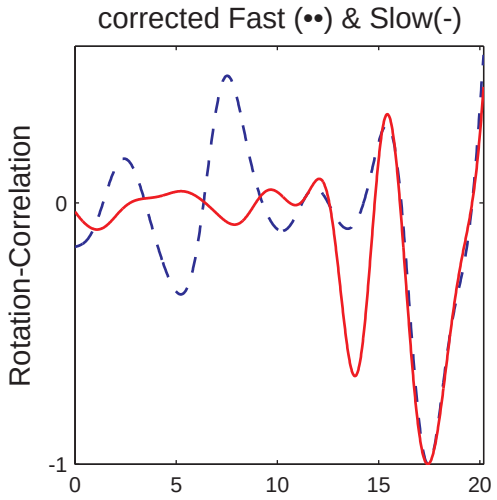
Event: **15-Jan-2006 (015) 11:58 -7.83N 122.60E 264km Mw=6.1**
Station: **MALT** Backazimuth: **99.7”** Distance: **90.32”**
init.Pol.: **262.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.2**

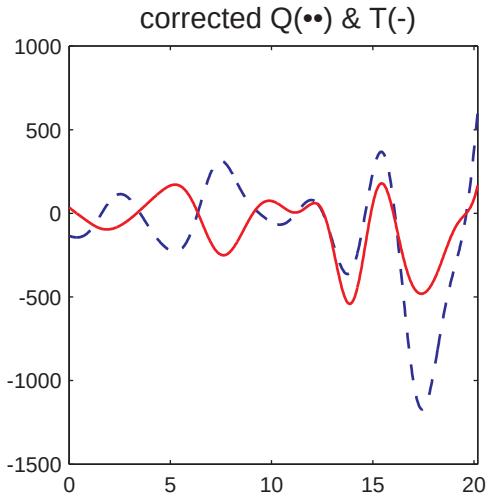
Rotation Correlation:	-61< **-52°** < -45	1.0<1.2s<1.4
Minimum Energy:	-46< **-30°** < -21	0.9<1.2s<1.6
Eigenvalue:	-68< **-46°** < -31	0.9<1.2s<1.5

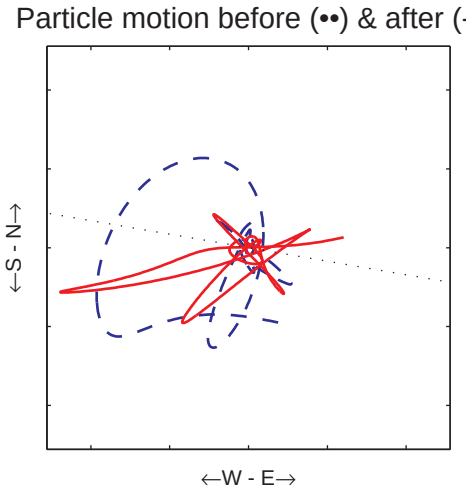
Quality: **fair** IsNull: **No** Phase: **SKKS**

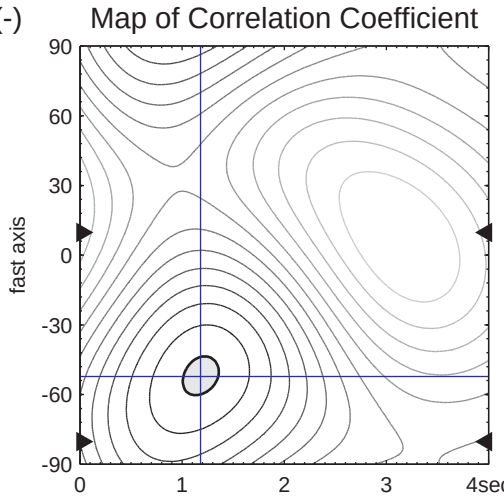


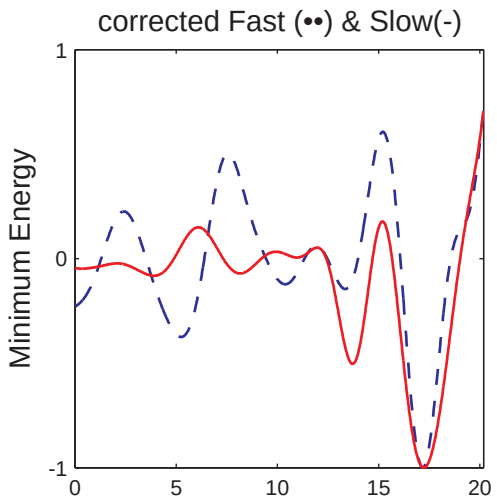
Inc = **12.9”**

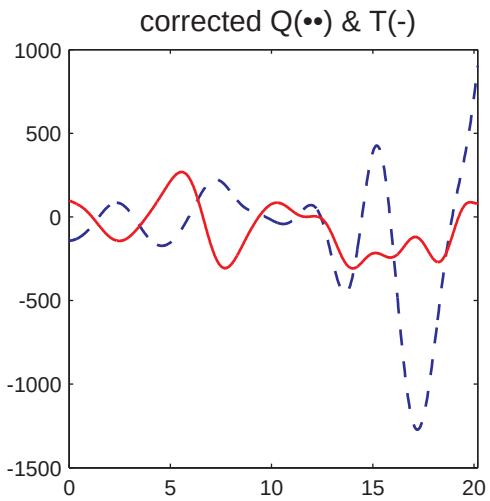


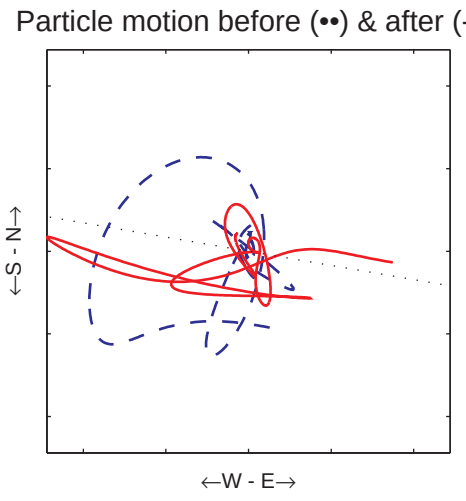


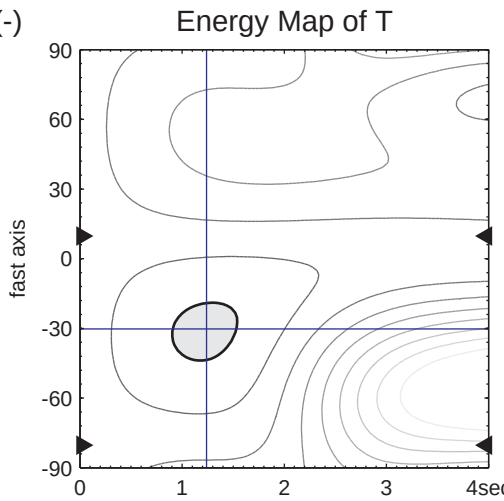


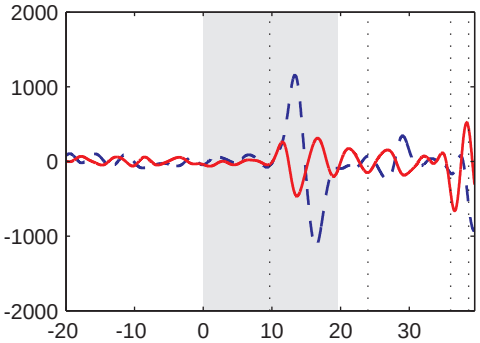








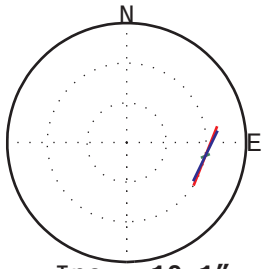




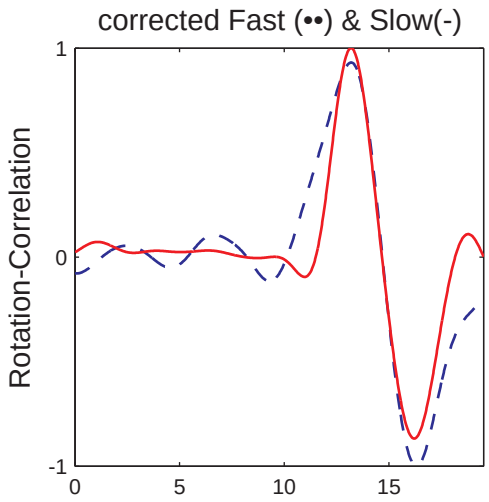
Event: **15-Jan-2006 (015) 11:58 -7.83N 122.60E 264km Mw=6.1**
Station: **MALT** Backazimuth: **99.7”** Distance: **90.32”**
init.Pol.: **284.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.2**

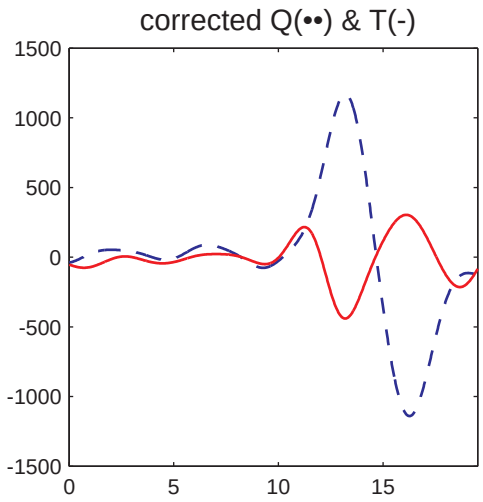
Rotation Correlation:	57<	67° <	79	0.1<0.3s<0.5
Minimum Energy:	19<	22° <	25	1.6<2.0s<2.3
Eigenvalue:	21<	26° <	31	1.3<1.8s<2.2

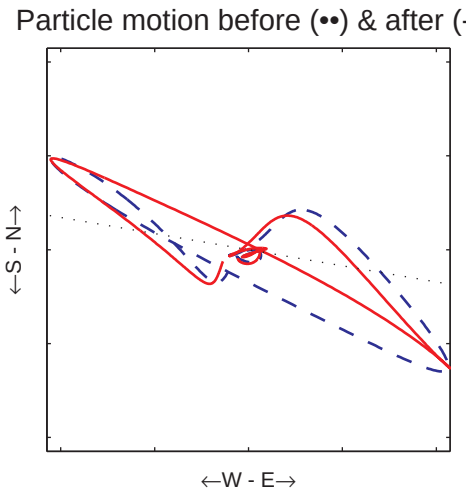
Quality: **good** IsNull: **Yes** Phase: **SKS**

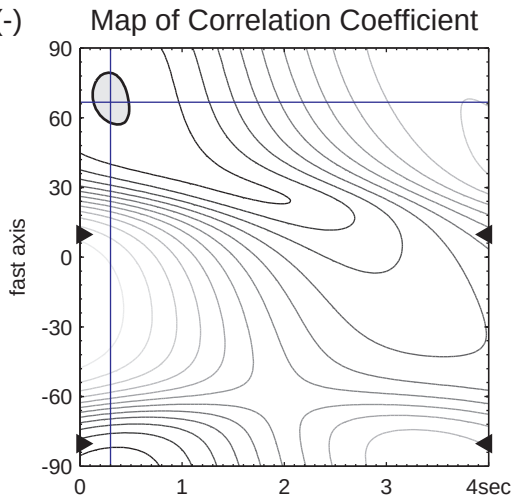


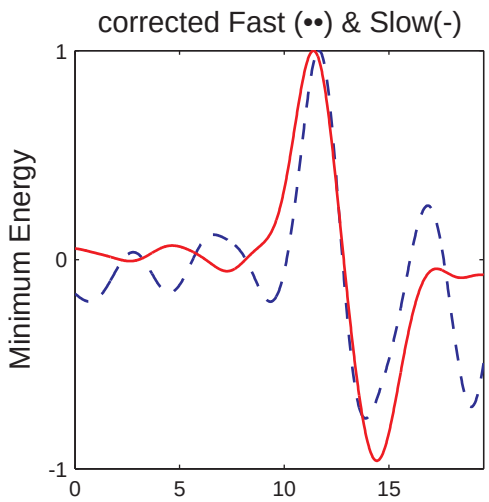
Inc = **10.1”**

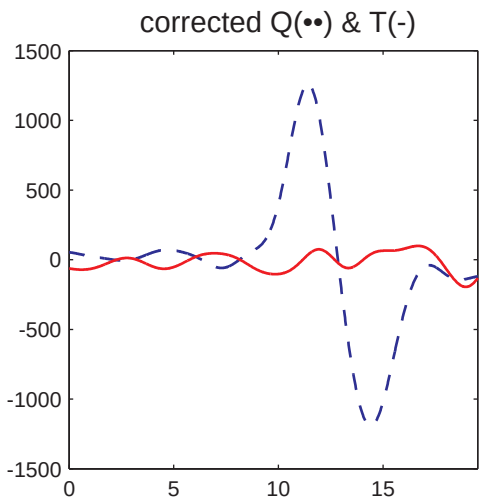


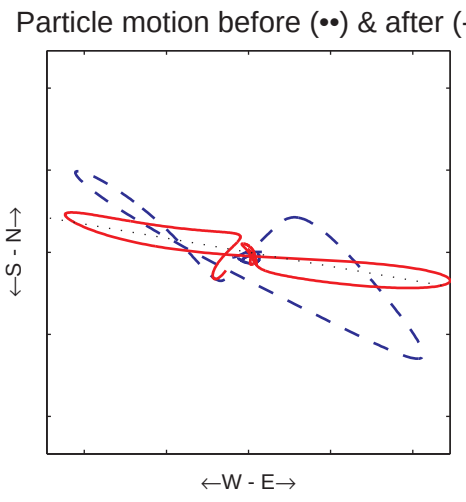


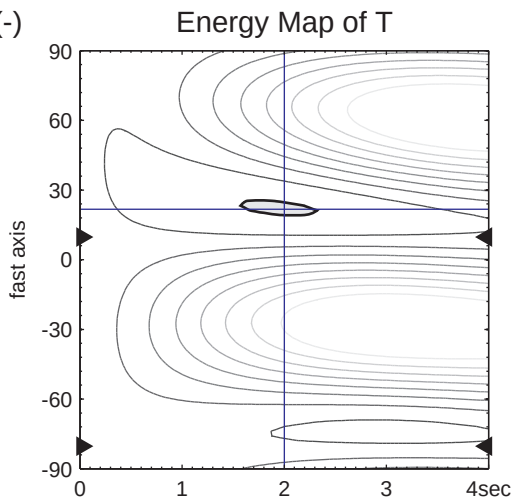


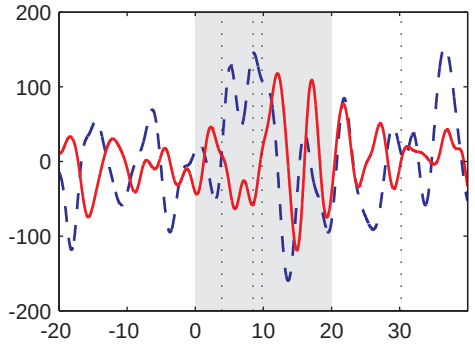








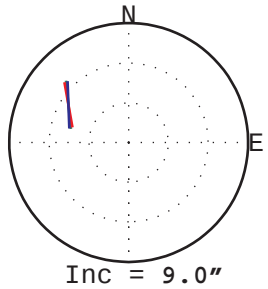


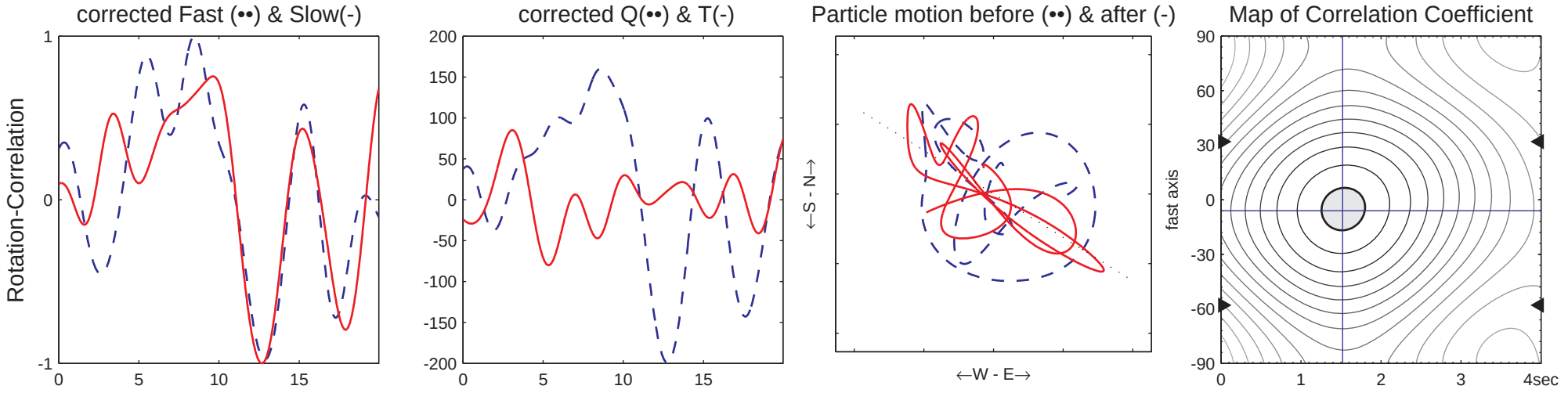


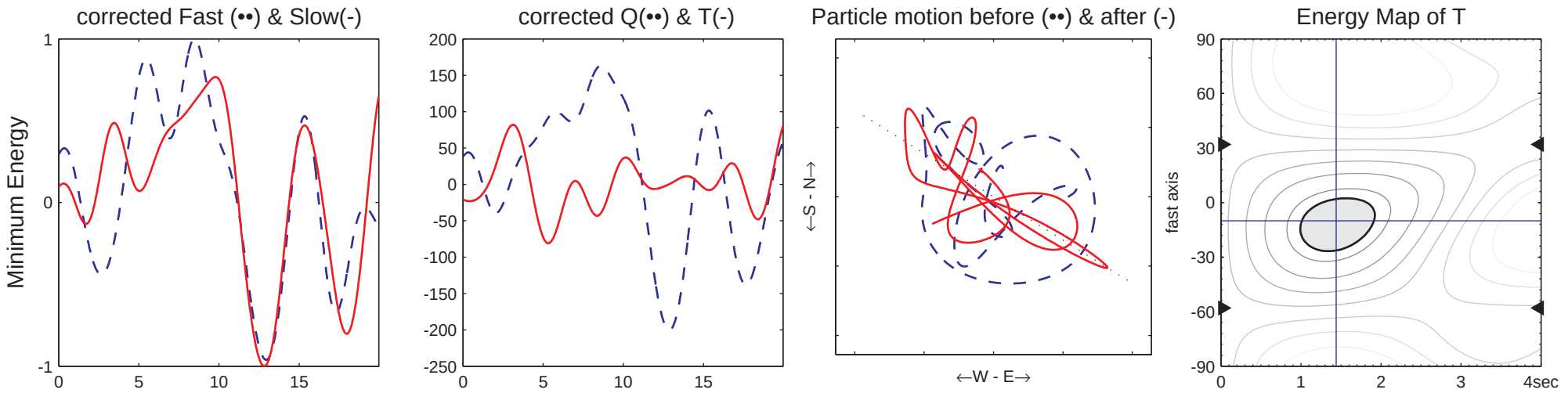
Event: **04-Feb-2007 (035) 20:56 19.37N -78.52E 10km Mw=6.2**
Station: **MALT** Backazimuth: **302.0”** Distance: **97.46”**
init.Pol.: **130.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.9**

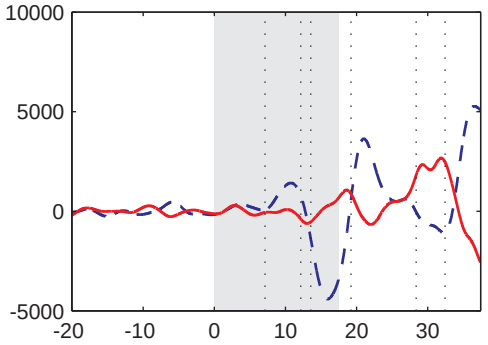
Rotation Correlation:	-18<	-6° <	6	1.2<1.5s<1.8
Minimum Energy:	-29<	-10° <	1	1.0<1.4s<1.9
Eigenvalue:	-29<	-2° <	17	1.0<1.5s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





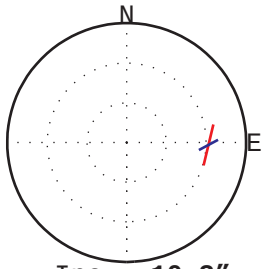




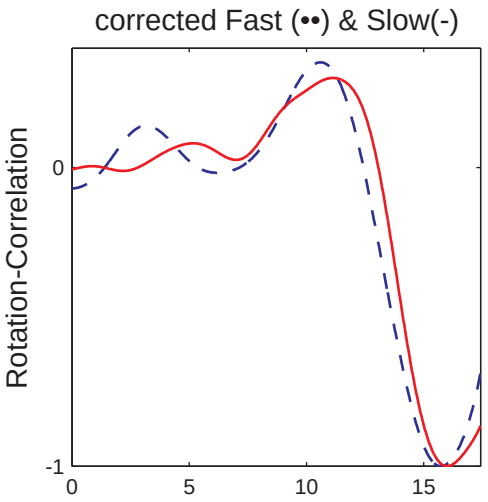
Event: **20-Feb-2007 (051) 08:04 -1.02N 126.99E 11km Mw=6.7**
Station: **MALT** Backazimuth: **91.7”** Distance: **89.51”**
init.Pol.: **276.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.2**

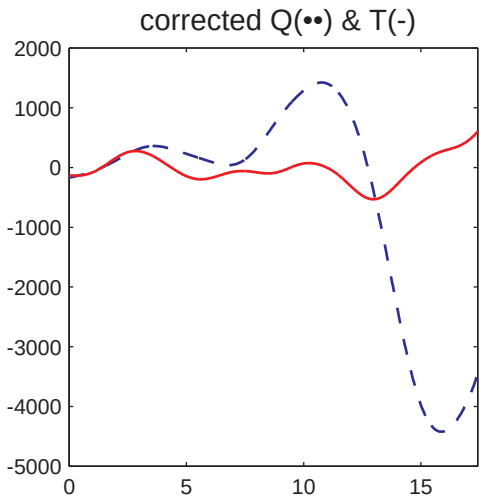
Rotation Correlation:	37<	48° <	60	0.0<0.1s<0.3
Minimum Energy:	7<	14° <	25	0.7<1.3s<2.0
Eigenvalue:	19<	62° <	88	0.5<0.7s<2.1

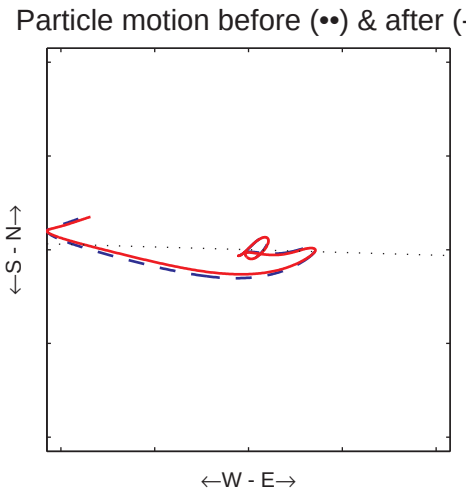
Quality: **fair** IsNull: **Yes** Phase: **SKS**

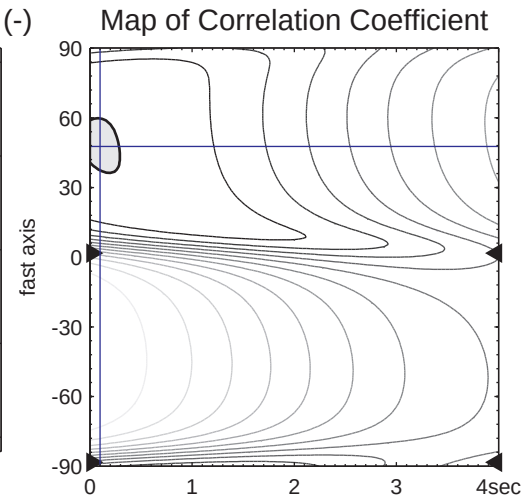


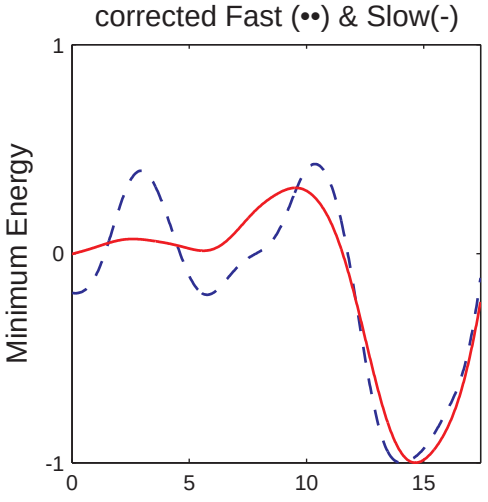
Inc = **10.3”**

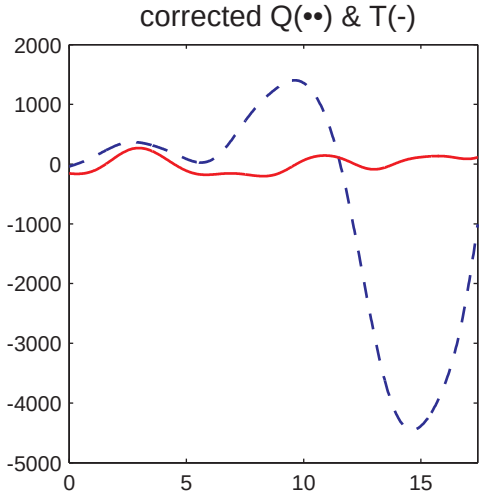


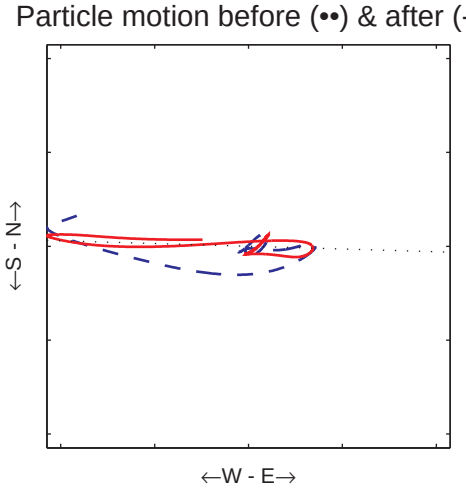


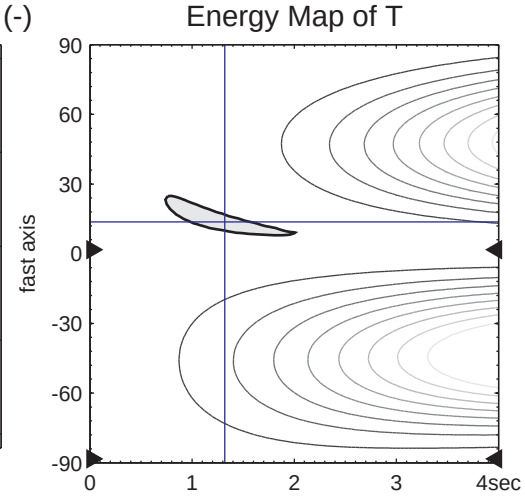


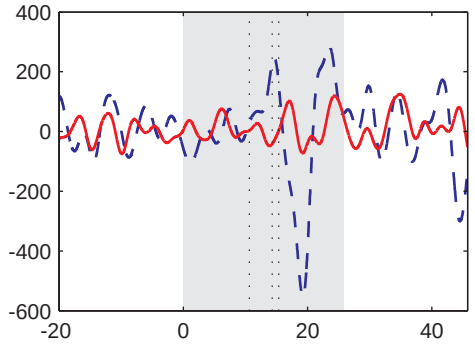








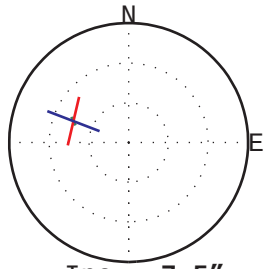




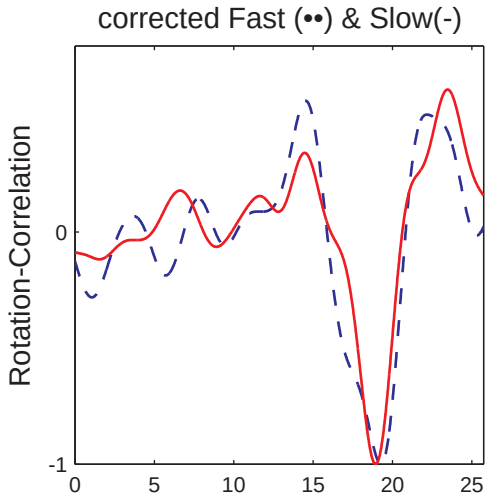
Event: **18-Mar-2007 (077) 02:11 4.58N -78.52E 8km Mw=6.4**
Station: **MALT** Backazimuth: **291.1”** Distance: **107.75”**
init.Pol.: **102.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

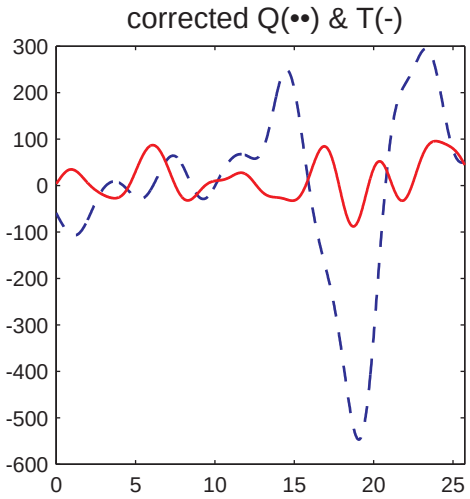
Rotation Correlation:	-38<	-27° <	-19	0.1<0.3s<0.5
Minimum Energy:	-66<	13° <	19	0.1<1.6s<3.0
Eigenvalue:	-78<	-69° <	17	0.2<1.8s<2.6

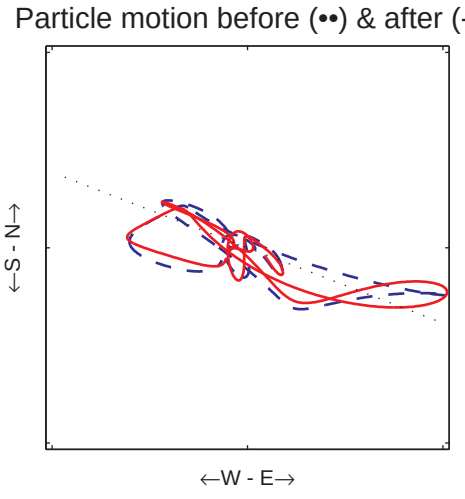
Quality: **good** IsNull: **Yes** Phase: **SKS**

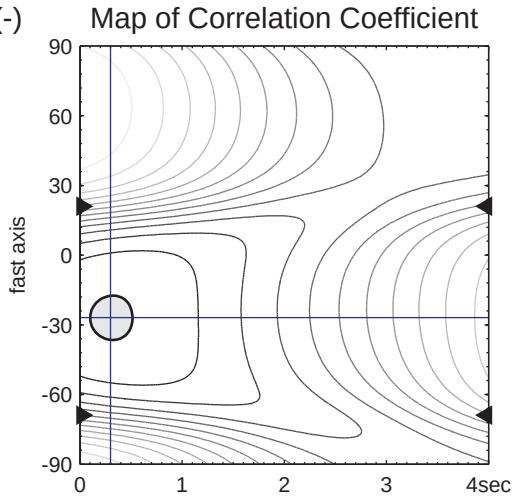


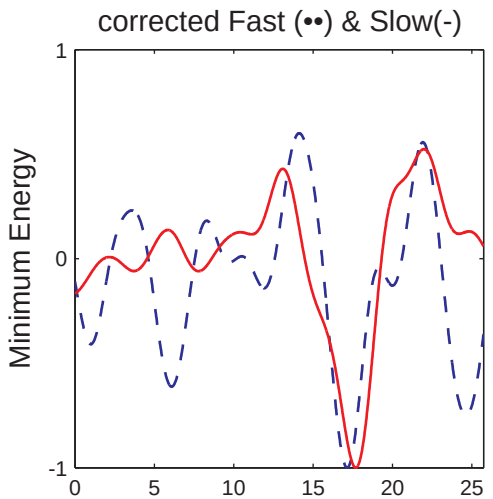
Inc = **7.5”**

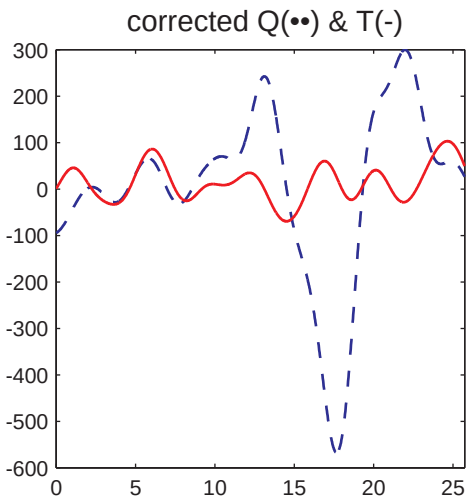


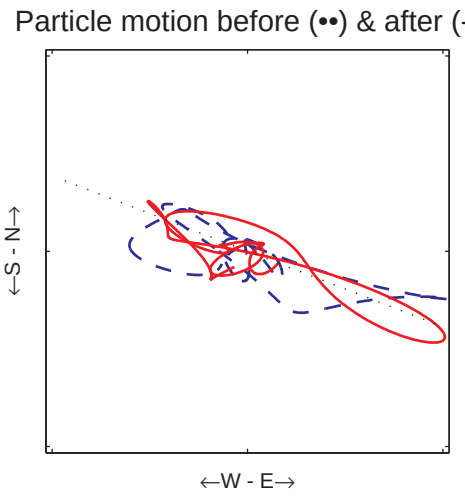


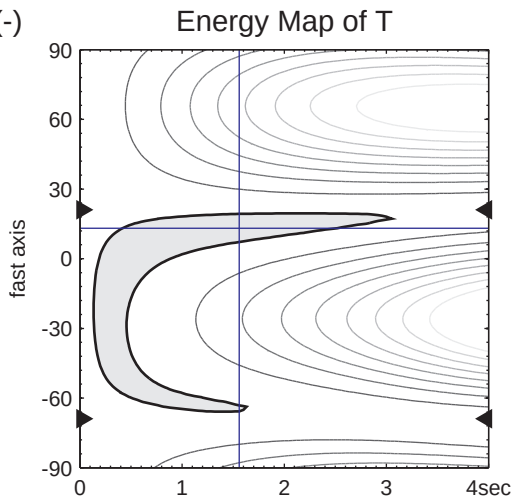


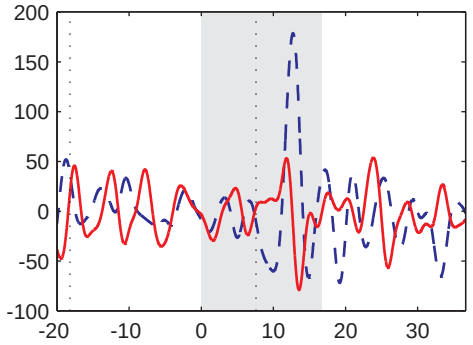








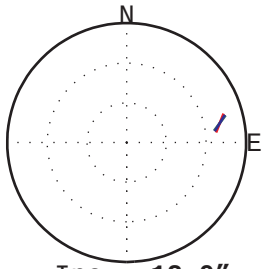




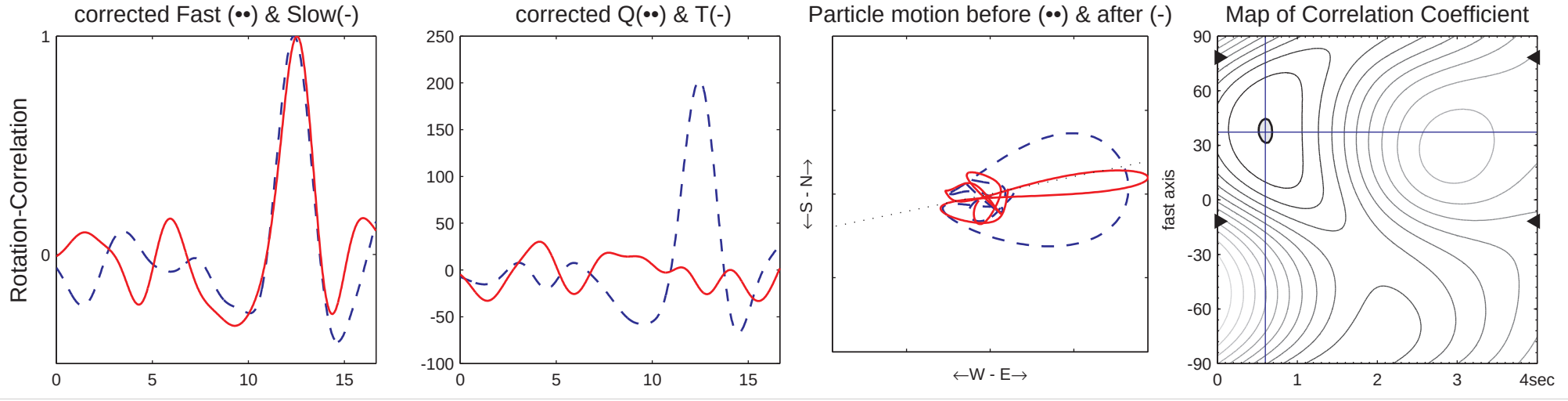
Event: **21-Apr-2007 (111) 07:12 -3.55N 151.27E 407km Mw=6.1**
Station: **MALT** Backazimuth: **78.2”** Distance: **110.02”**
init.Pol.: **262.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

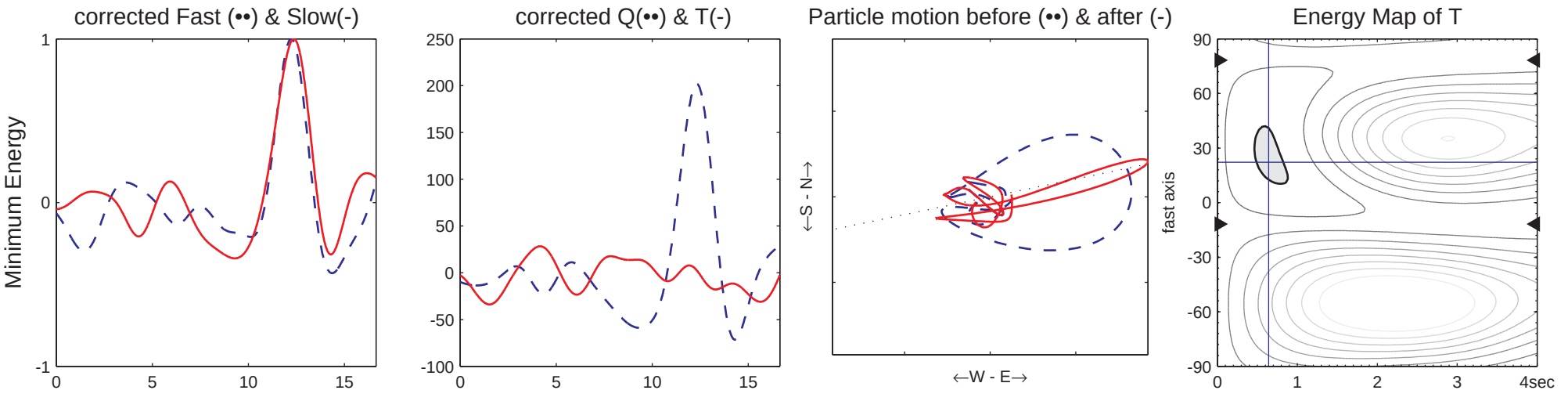
Rotation Correlation:	32<	37° <	45	0.5<0.6s<0.7
Minimum Energy:	11<	22° <	41	0.5<0.6s<0.9
Eigenvalue:	9<	32° <	62	0.4<0.6s<0.8

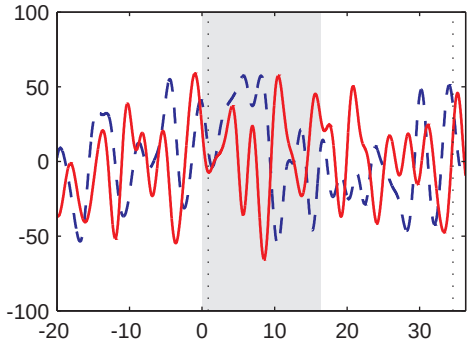
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



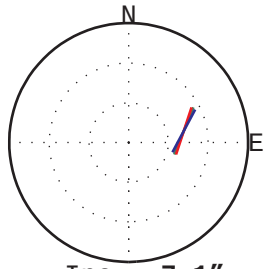




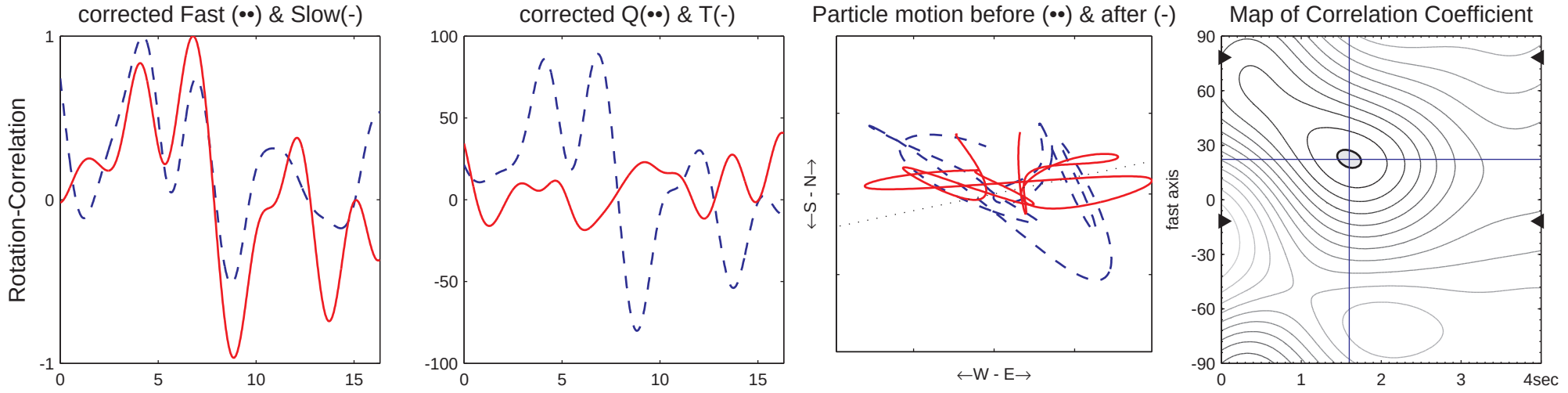
Event: **21-Apr-2007 (111) 07:12 -3.55N 151.27E 407km Mw=6.1**
Station: **MALT** Backazimuth: **78.2”** Distance: **110.02”**
init.Pol.: **275.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

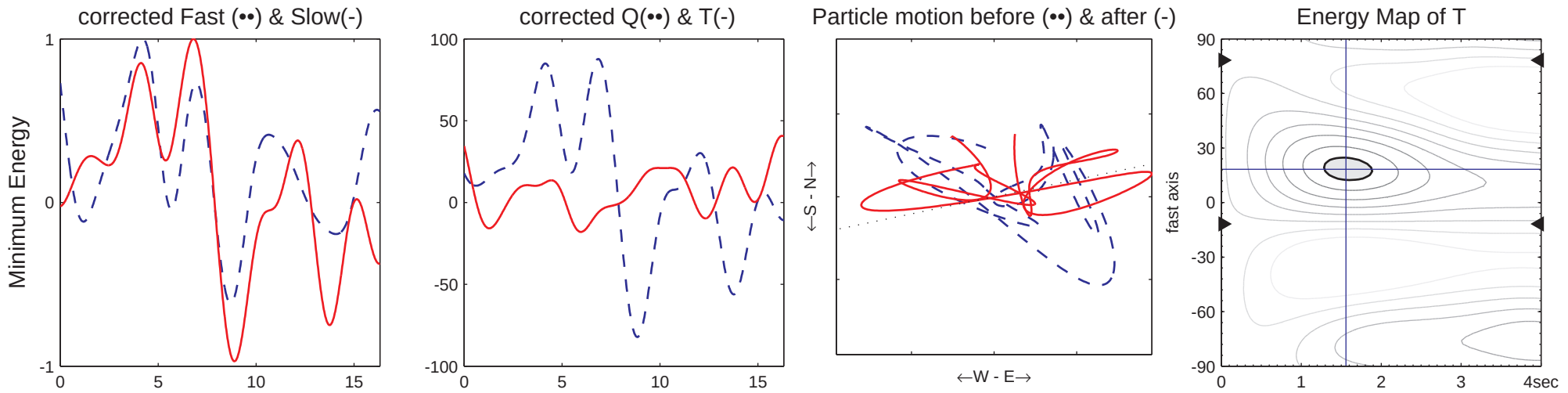
Rotation Correlation:	18<	22° <	28	1.4<1.6s<1.8
Minimum Energy:	13<	18° <	25	1.3<1.6s<1.9
Eigenvalue:	21<	28° <	37	1.2<1.5s<1.8

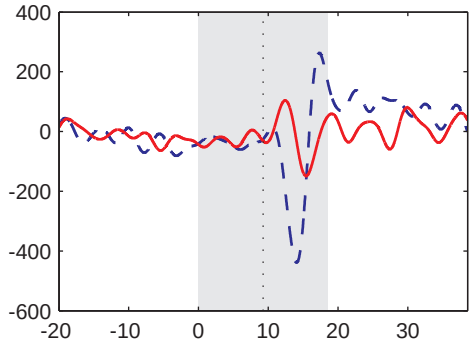
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.1”**



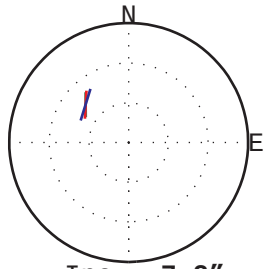




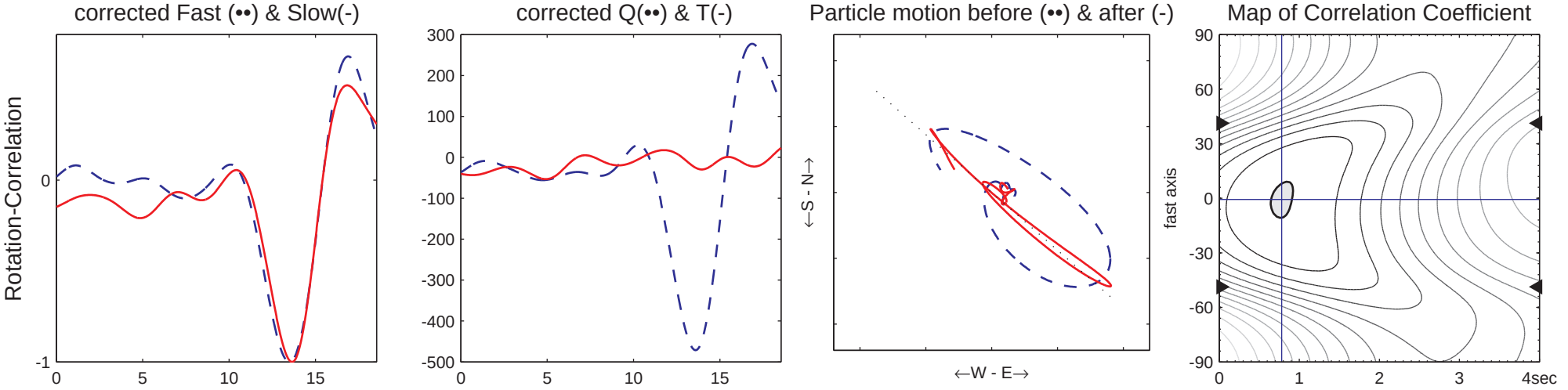
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **MALT** Backazimuth: **311.3”** Distance: **109.47”**
init.Pol.: **135.7”** Filter: **0.010Hz - 0.30Hz** SNR_{SC}:**13.0**

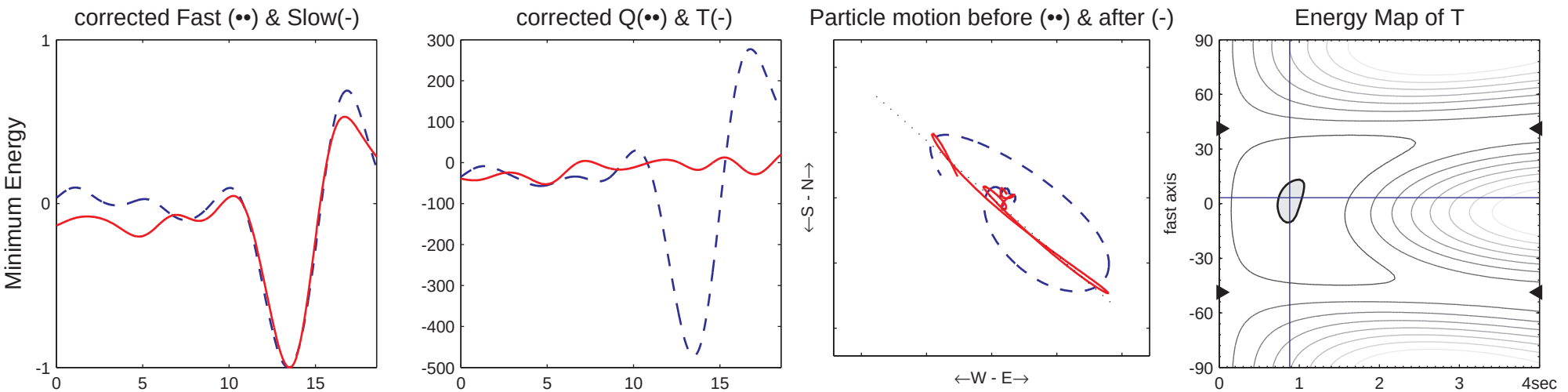
Rotation Correlation:	-12<	-1° <	9	0.6<0.8s<0.9
Minimum Energy:	-11<	3° <	13	0.7<0.9s<1.1
Eigenvalue:	3<	17° <	25	0.8<1.0s<1.3

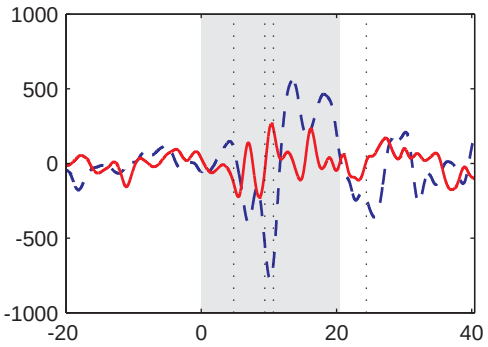
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



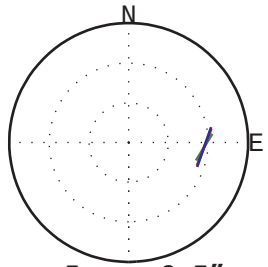




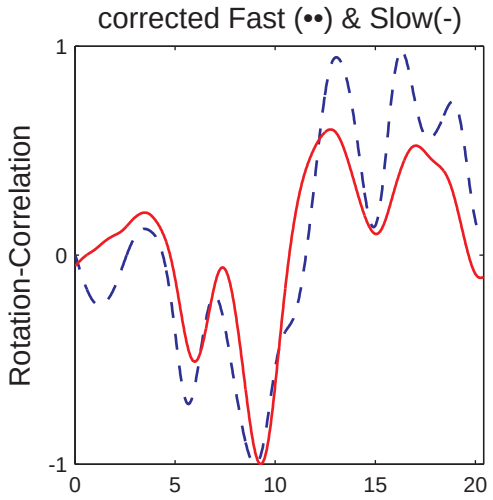
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **MALT** Backazimuth: **93.5”** Distance: **94.04”**
init.Pol.: **270.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.8**

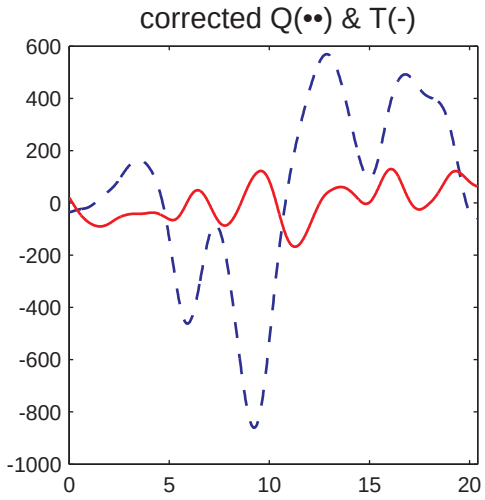
Rotation Correlation:	25<	32° <	48	0.6<1.0s<1.2
Minimum Energy:	15<	22° <	27	0.9<1.2s<1.6
Eigenvalue:	13<	20° <	25	1.0<1.3s<1.6

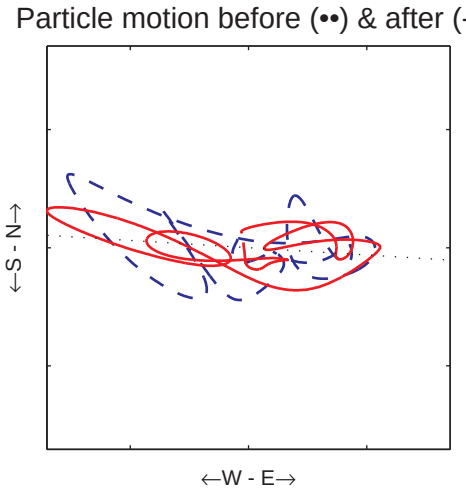
Quality: **fair** IsNull: **No** Phase: **SKS**

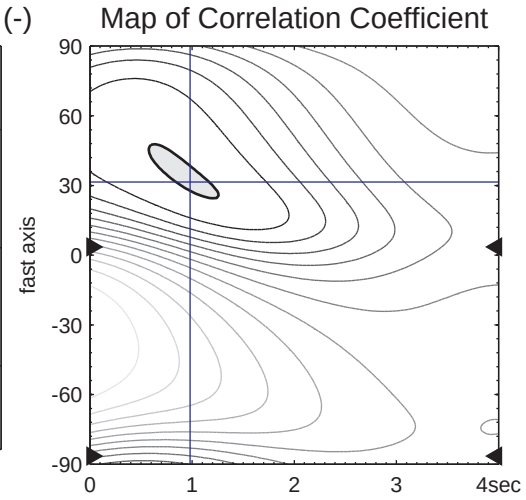


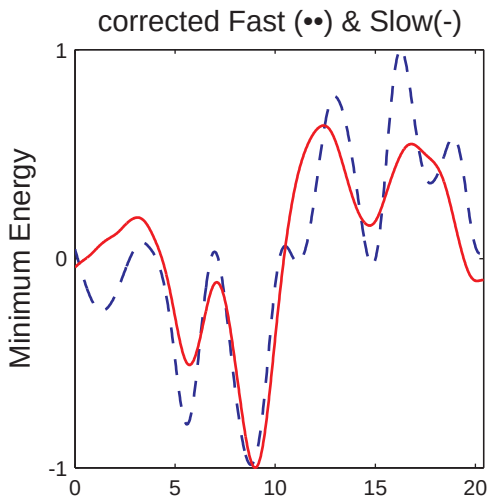
Inc = **9.5”**

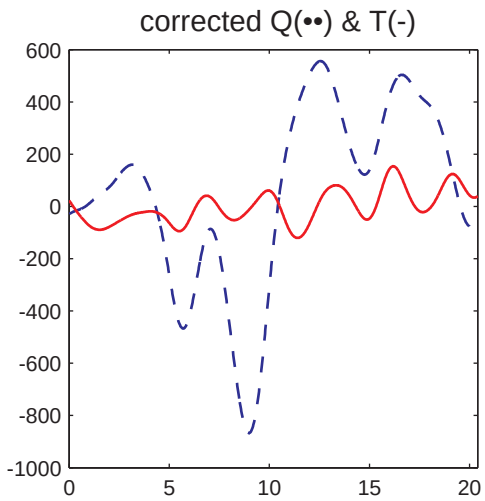


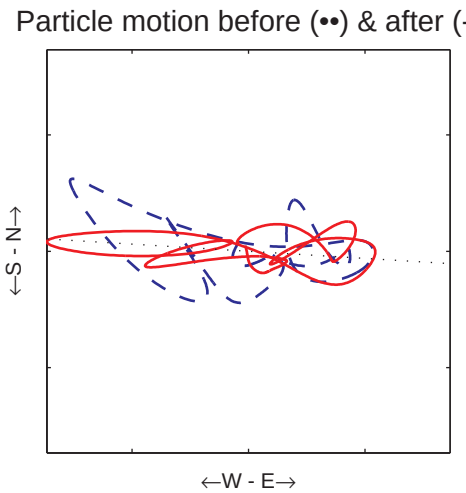


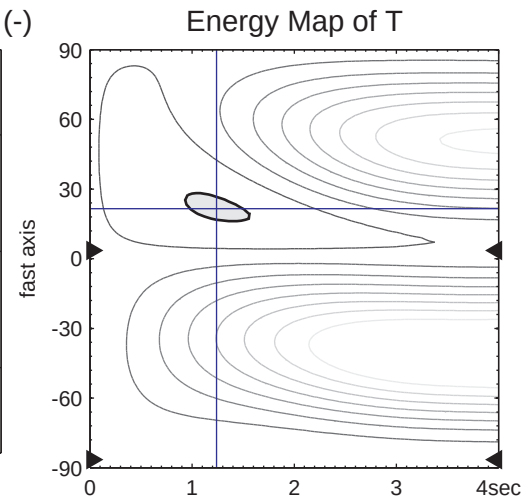


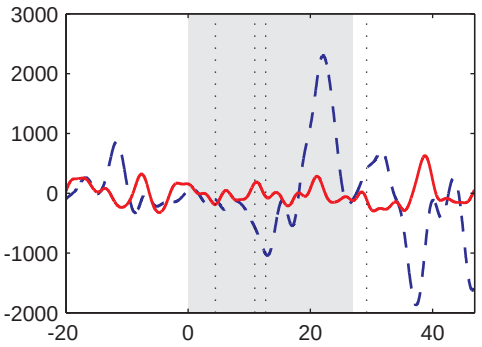








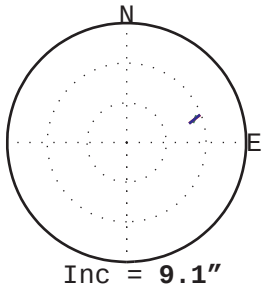


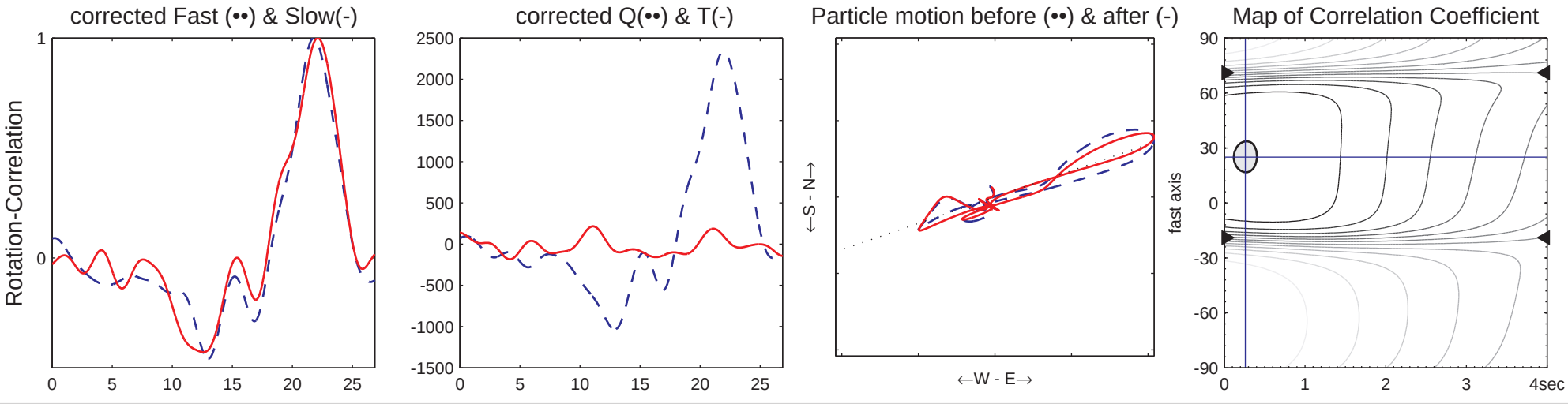


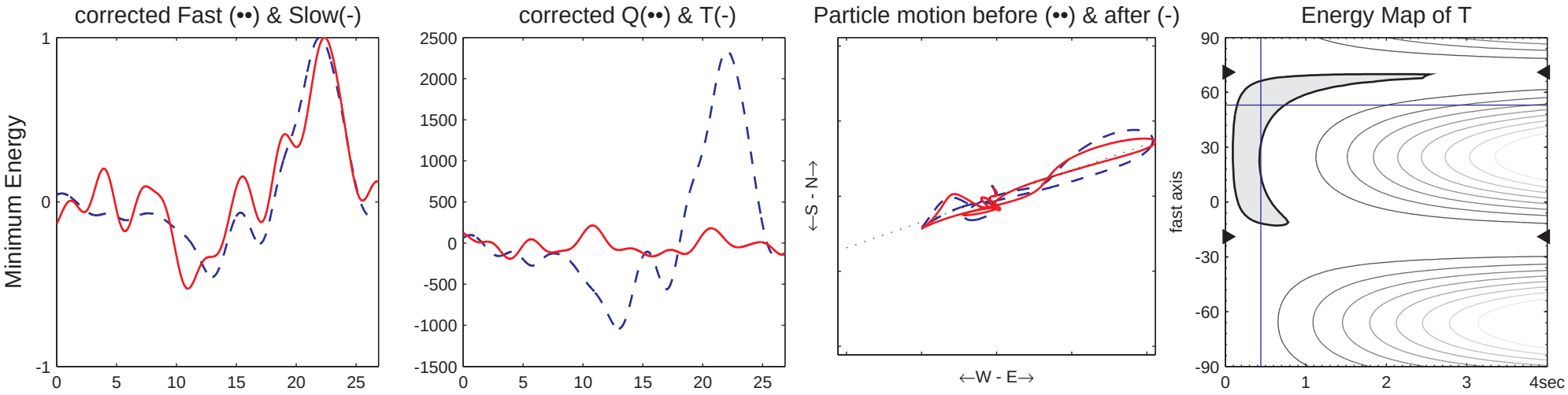
Event: **30-Sep-2007 (273) 02:08 10.46N 145.68E 14km Mw=7.1**
Station: **MALT** Backazimuth: **71.0”** Distance: **96.68”**
init.Pol.: **249.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.1**

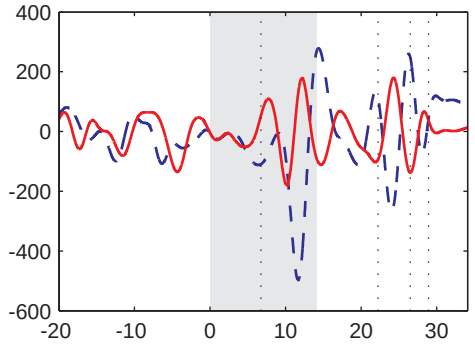
Rotation Correlation:	17<	25° <	34	0.1<0.3s<0.4
Minimum Energy:	-13<	53° <	70	0.1<0.4s<2.5
Eigenvalue:	-17<	51° <	68	0.1<0.4s<2.3

Quality: **fair** IsNull: **No** Phase: **SKS**





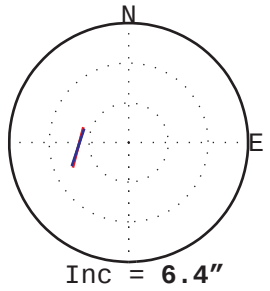


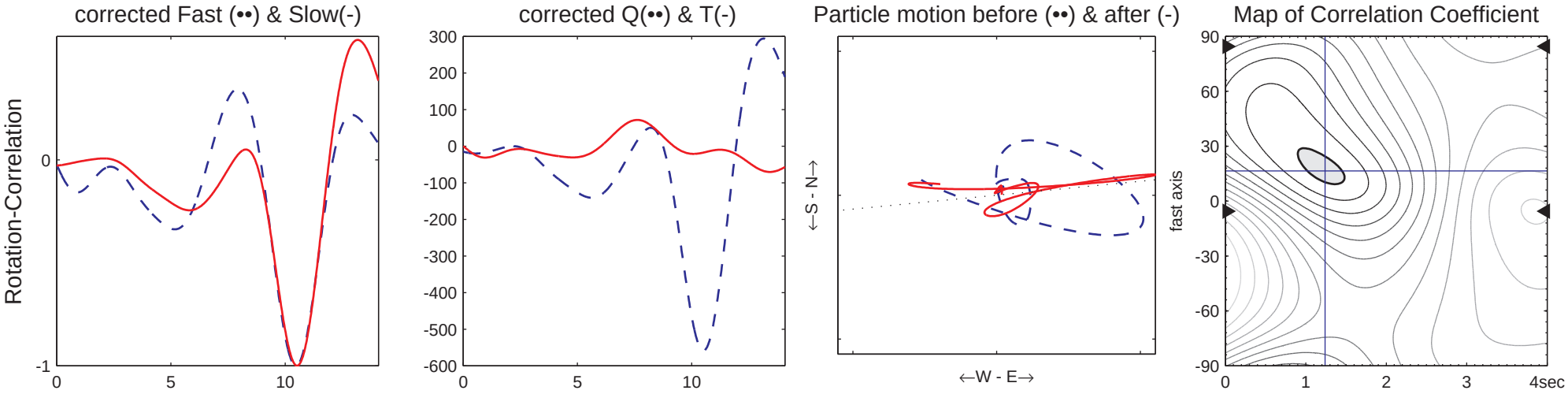


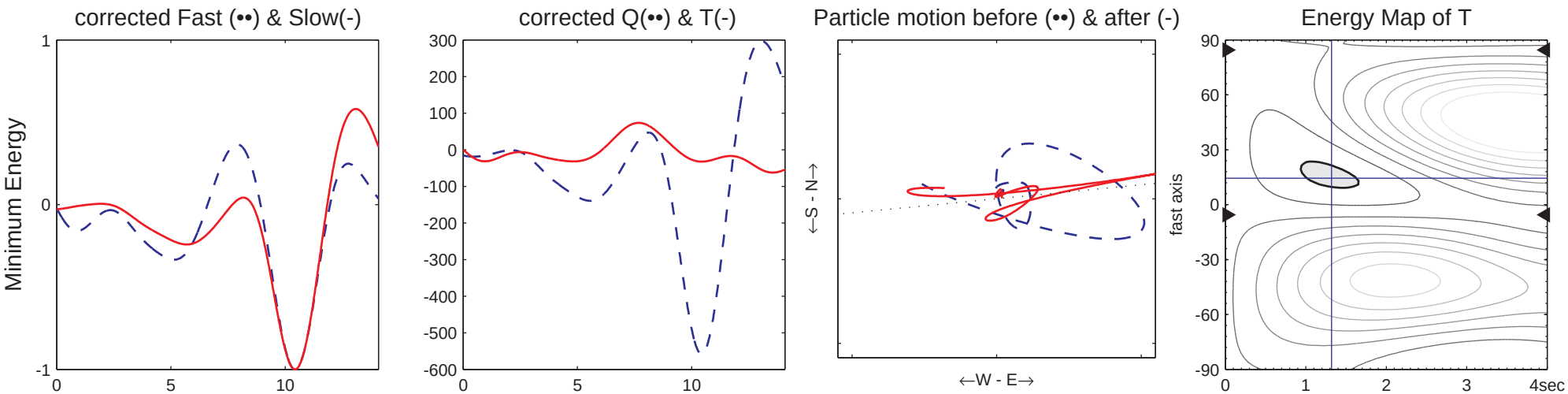
Event: **04-Feb-2008 (035) 17:01 -20.17N -70.04E 35km Mw=6.3**
Station: **MALT** Backazimuth: **264.5”** Distance: **116.55”**
init.Pol.: **87.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.2**

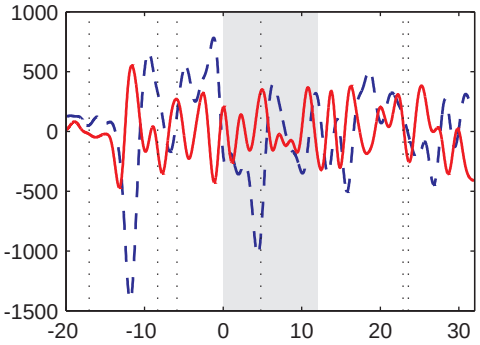
Rotation Correlation:	10<	16° <	29	0.9<1.2s<1.5
Minimum Energy:	9<	14° <	23	0.9<1.3s<1.6
Eigenvalue:	7<	18° <	41	0.7<1.2s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





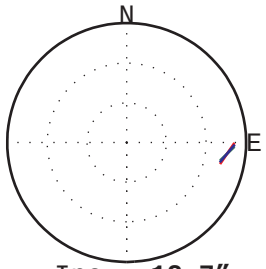




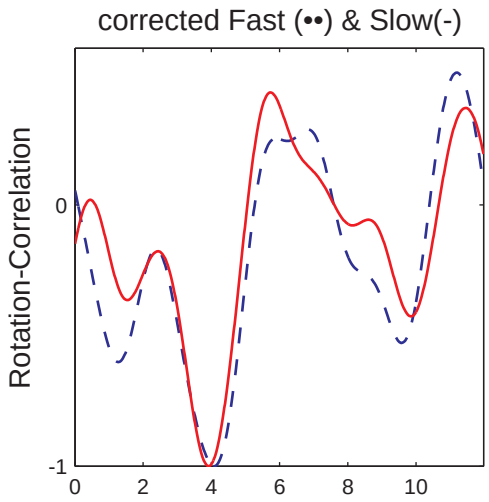
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **MALT** Backazimuth: **96.3”** Distance: **95.22”**
init.Pol.: **281.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.3**

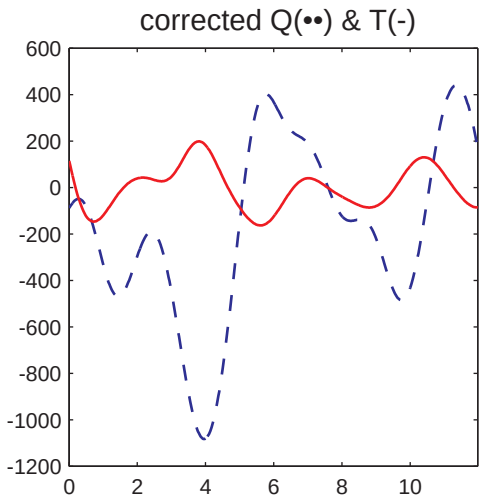
Rotation Correlation:	37<	46° <	60	0.4<0.6s<0.8
Minimum Energy:	27<	34° <	43	0.6<0.8s<1.0
Eigenvalue:	29<	40° <	56	0.5<0.7s<0.9

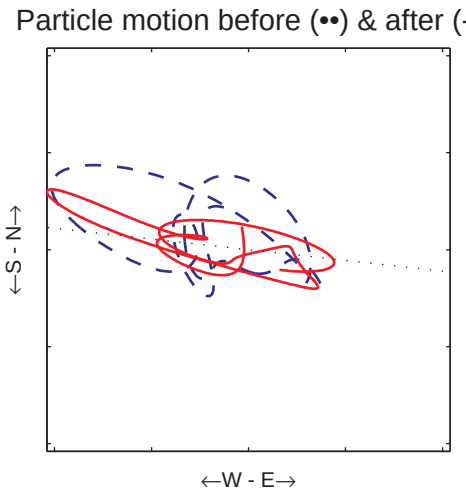
Quality: **fair** IsNull: **No** Phase: **SKKS**

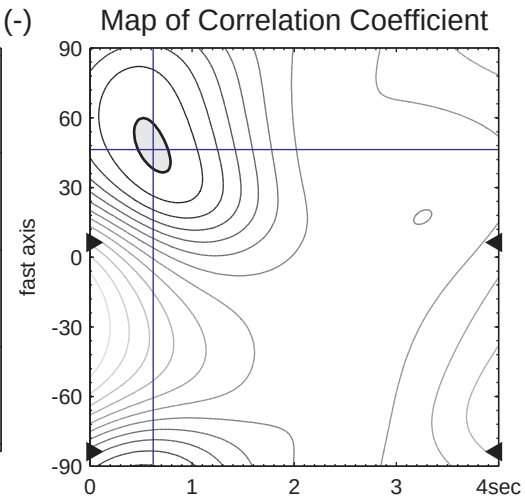


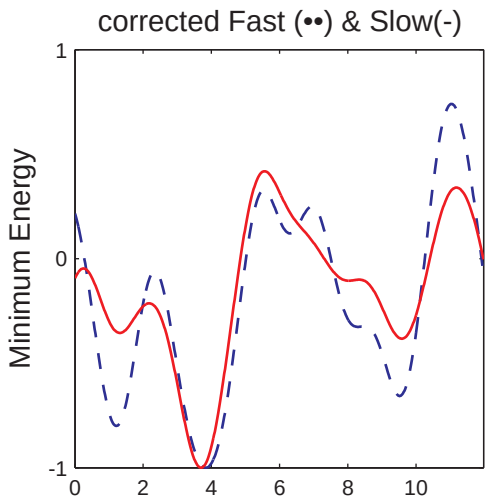
Inc = **12.7”**

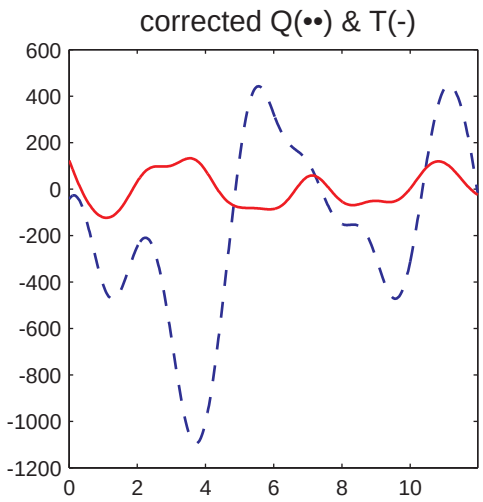


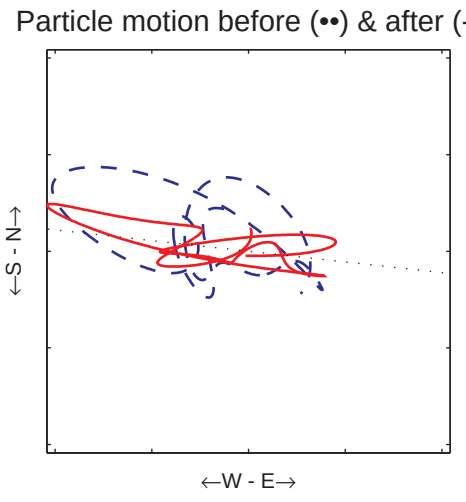


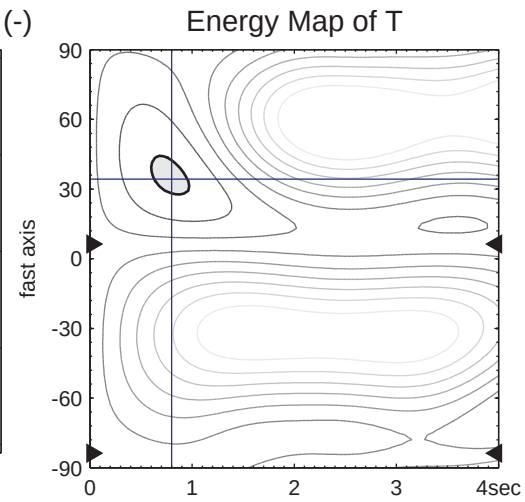


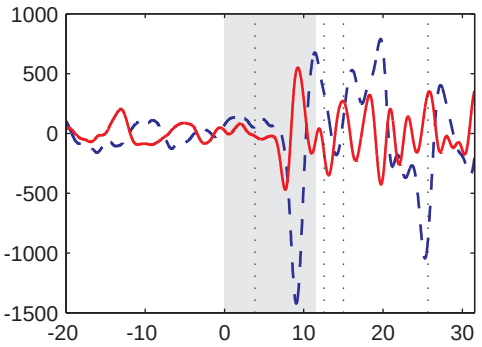








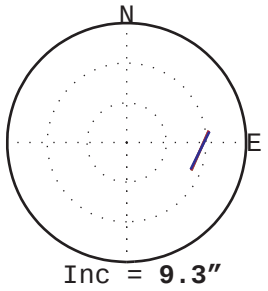


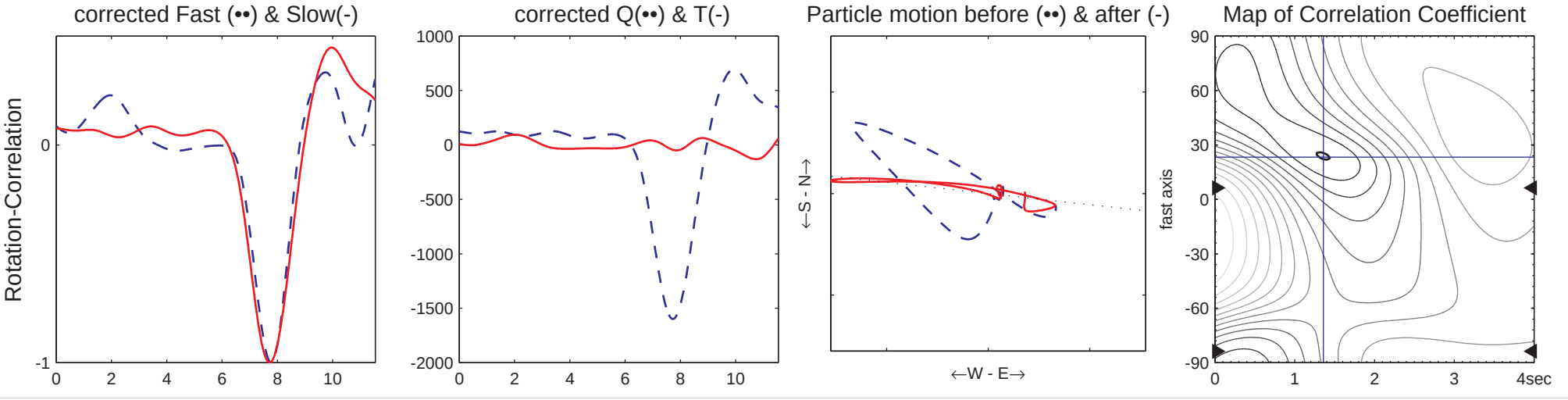


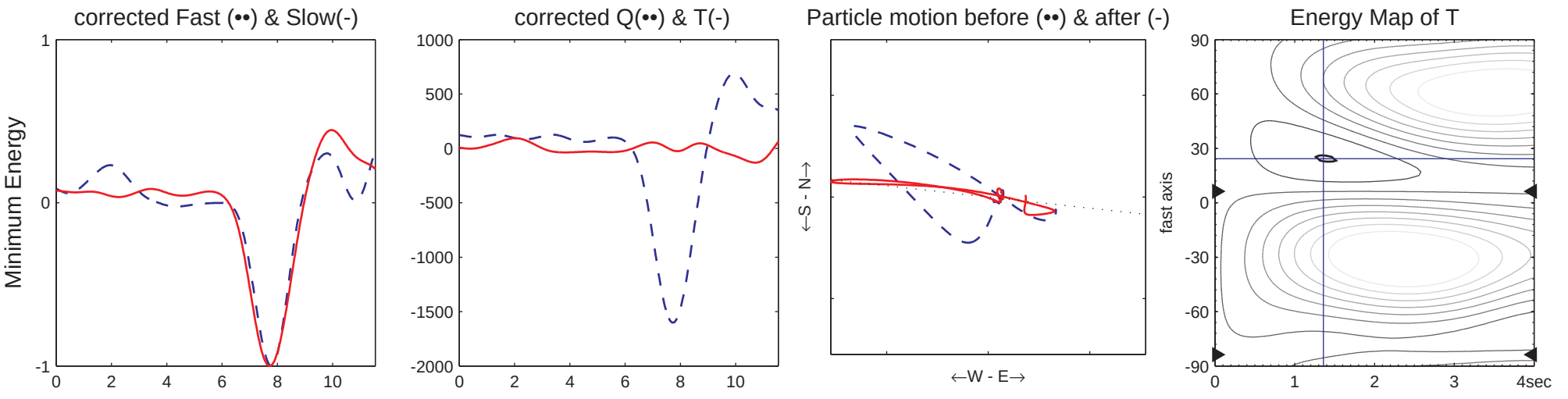
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **MALT** Backazimuth: **96.3”** Distance: **95.22”**
init.Pol.: **279.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**15.6**

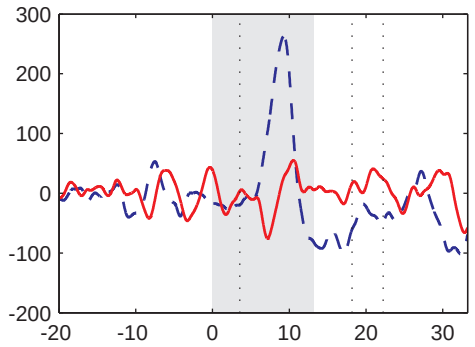
Rotation Correlation:	22<	23° <	26	1.3<1.4s<1.4
Minimum Energy:	23<	24° <	25	1.3<1.4s<1.5
Eigenvalue:	23<	26° <	29	1.2<1.3s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





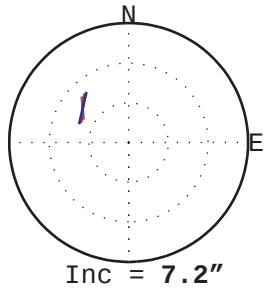


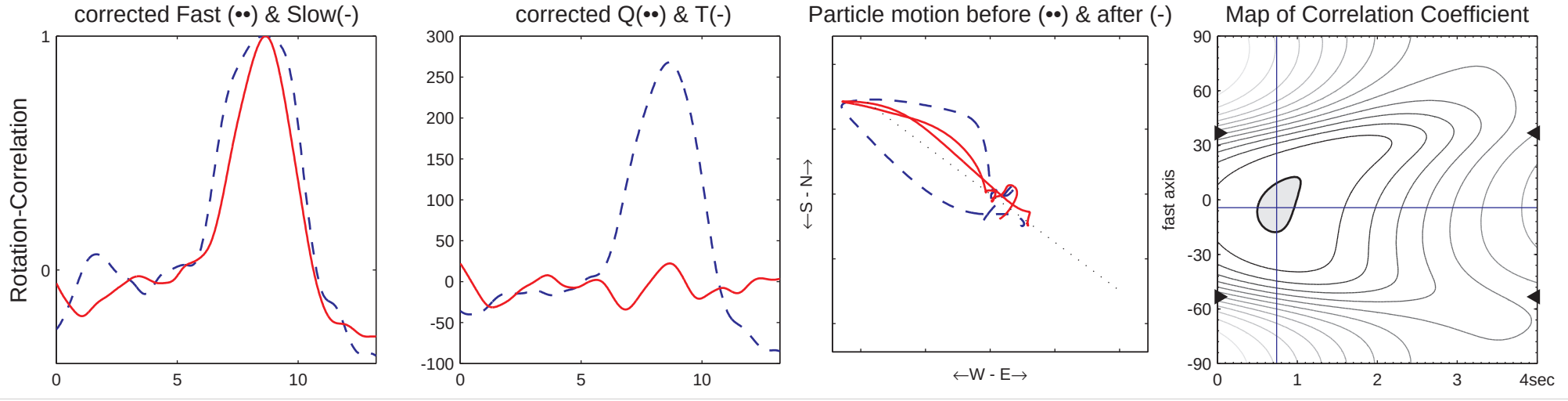


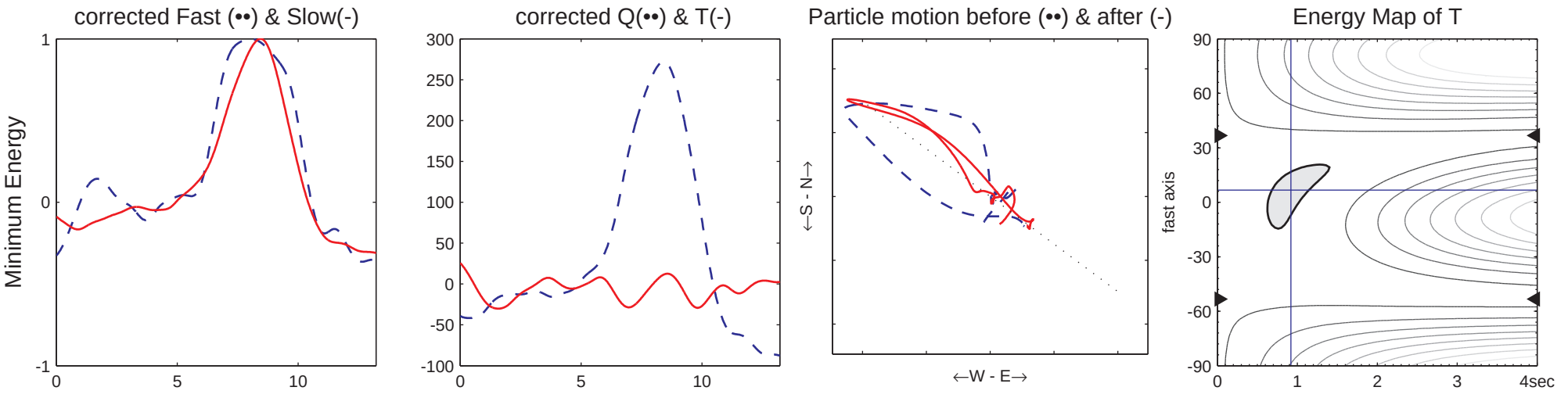
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **MALT** Backazimuth: **306.7”** Distance: **109.57”**
init.Pol.: **128.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.6**

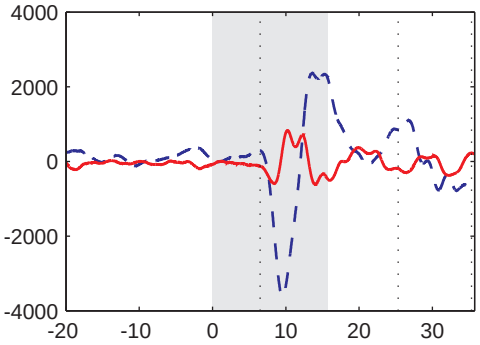
Rotation Correlation:	-19<	-4° <	12	0.5<0.7s<1.0
Minimum Energy:	-15<	7° <	21	0.6<0.9s<1.4
Eigenvalue:	-17<	13° <	27	0.7<1.0s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





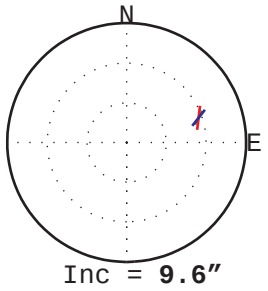


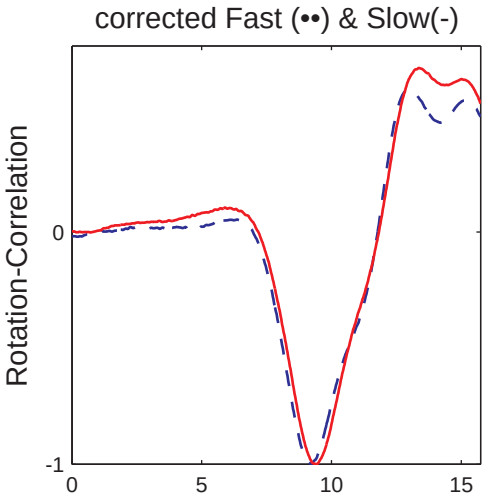


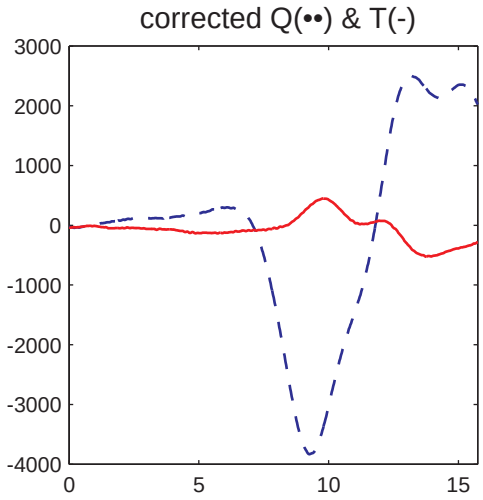
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **MALT** Backazimuth: **71.0”** Distance: **93.48”**
init.Pol.: **258.6”** Filter: **0.000Hz - InfHz** SNR_{SC}:**10.5**

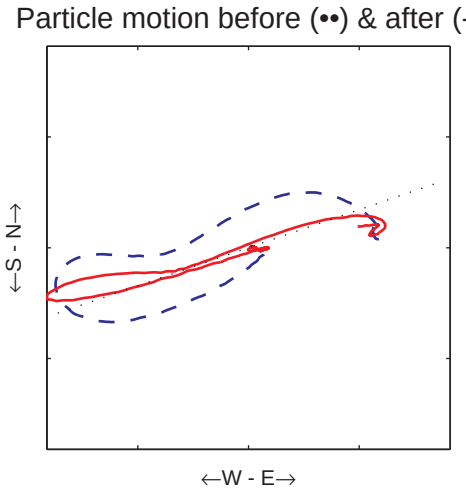
Rotation Correlation:	13<	28° <	48	0.2<0.5s<0.7
Minimum Energy:	-7<	7° <	31	0.4<0.8s<1.4
Eigenvalue:	29<	39° <	46	0.6<0.6s<0.7

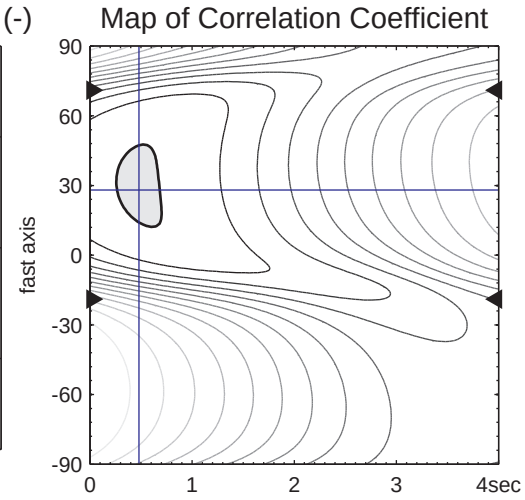
Quality: **fair** IsNull: **No** Phase: **SKS**

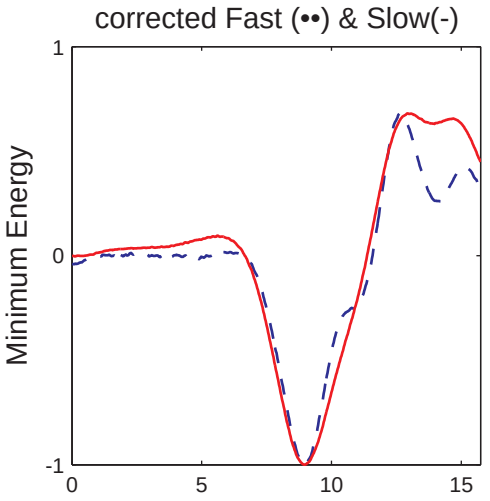


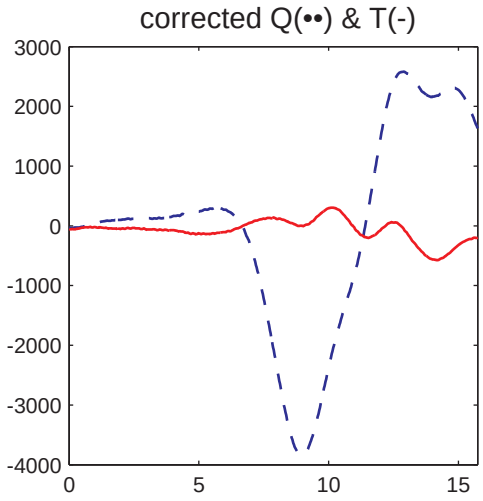


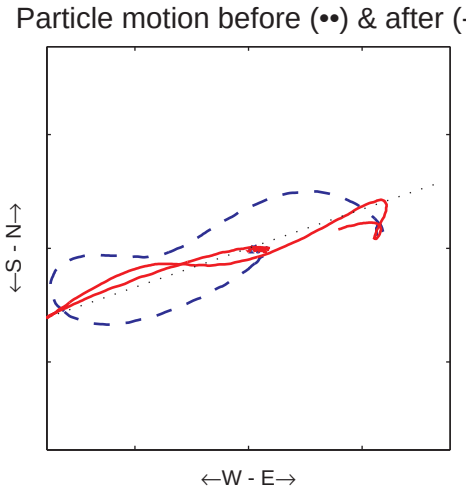


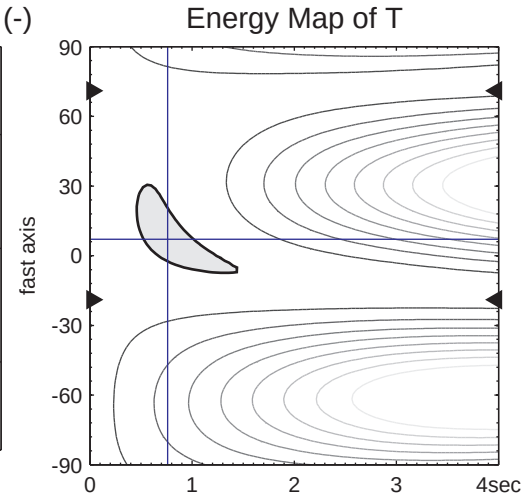


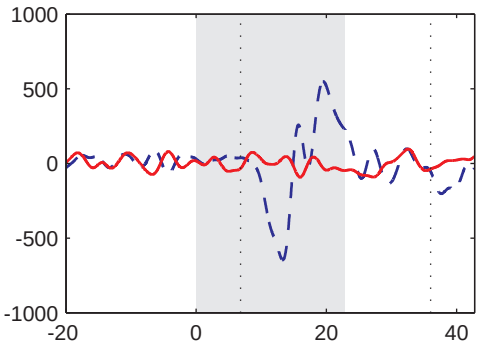








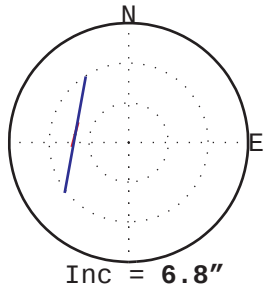


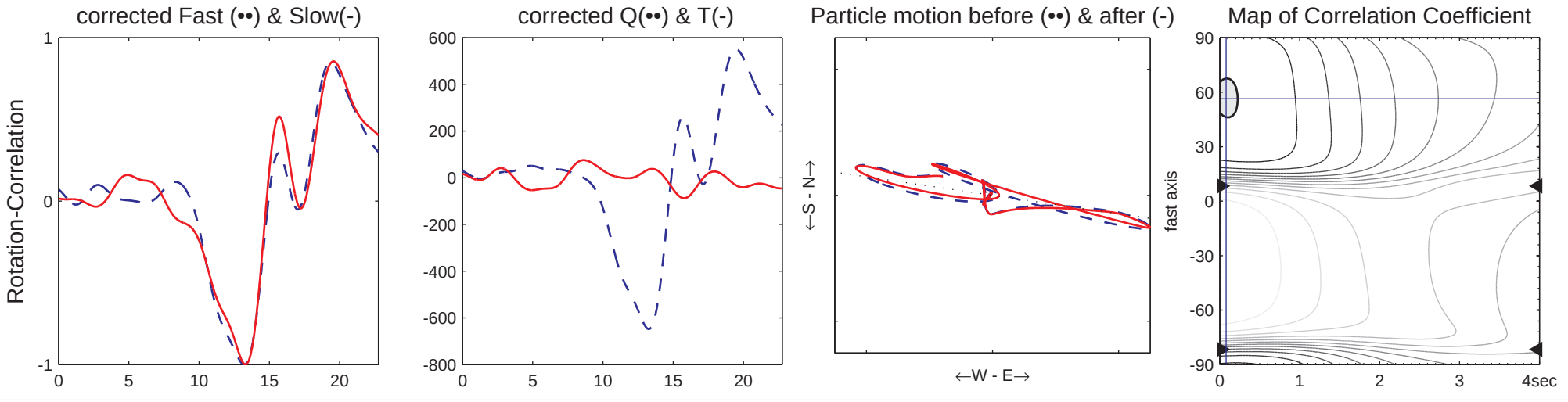


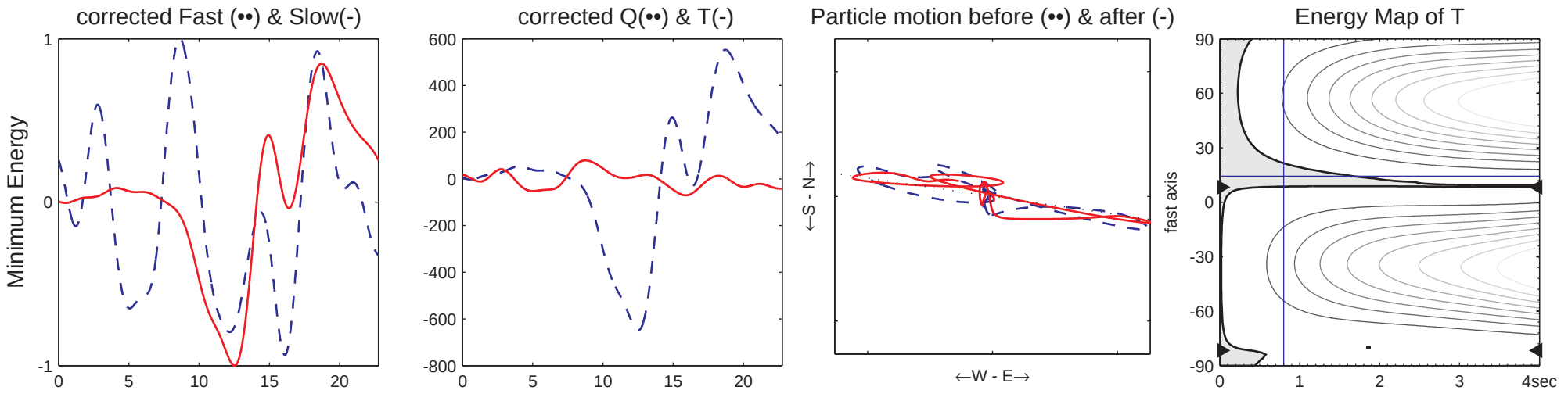
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **MALT** Backazimuth: **278.3”** Distance: **112.57”**
init.Pol.: **103.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.0**

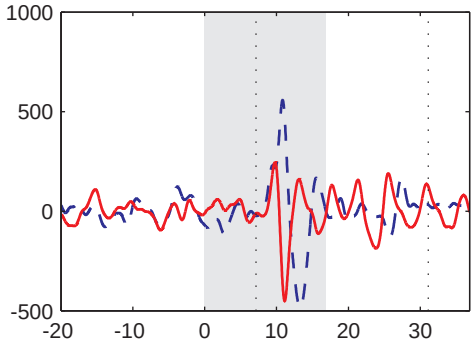
Rotation Correlation:	46<	56° <	68	0.0<0.1s<0.2
Minimum Energy:	-Inf<	14° <	Inf	0.0<0.8s<Inf
Eigenvalue:	9<	10° <	15	2.7<3.7s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





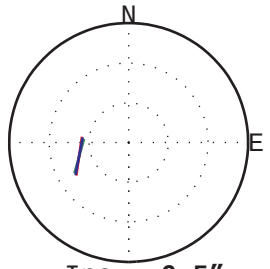




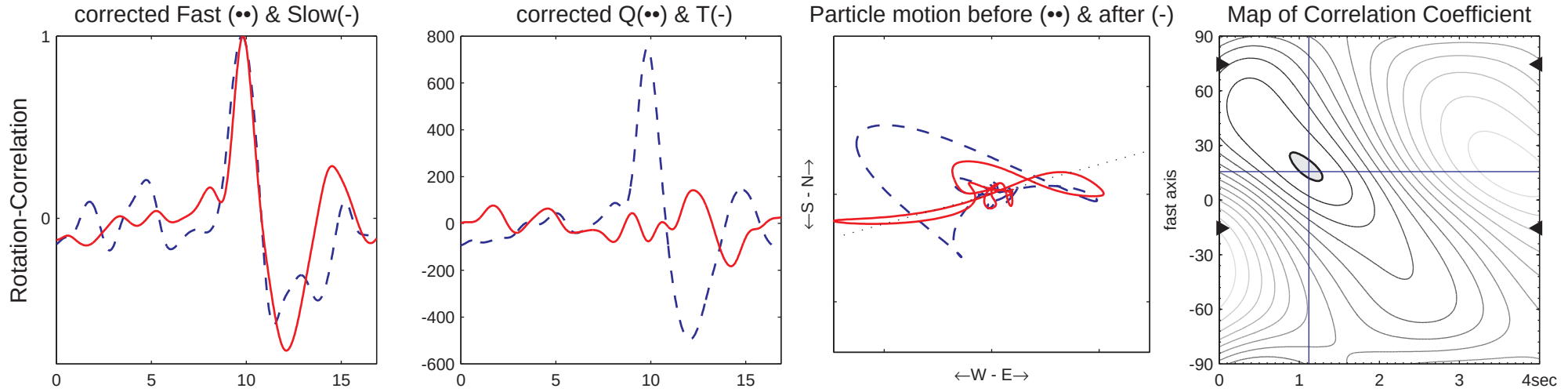
Event: **03-Sep-2008 (247) 11:25 -26.74N -63.23E 569km** Mw=**6.3**
Station: **MALT** Backazimuth: **254.6”** Distance: **114.86”**
init.Pol.: **78.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.5**

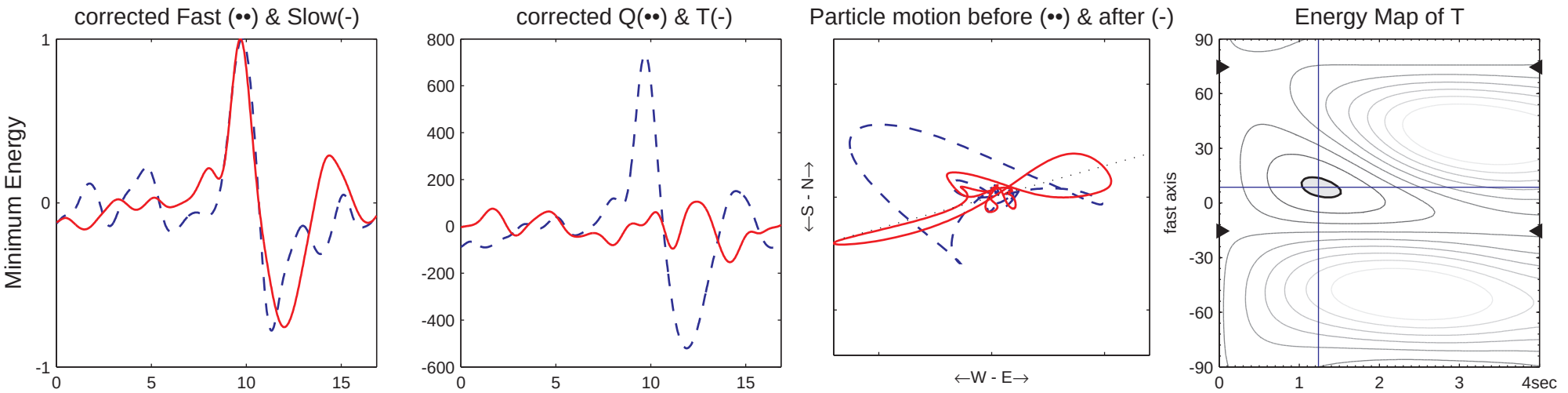
Rotation Correlation:	11<	16° <	27	0.9<1.1s<1.3
Minimum Energy:	3<	9° <	13	1.0<1.2s<1.5
Eigenvalue:	3<	11° <	21	0.9<1.2s<1.5

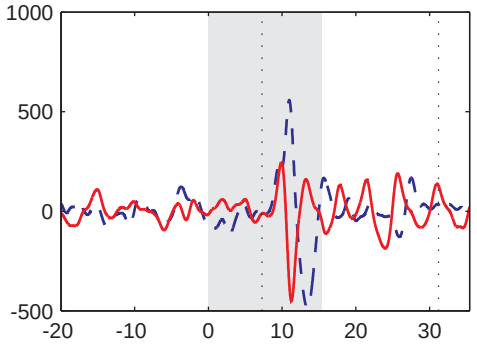
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.5”**



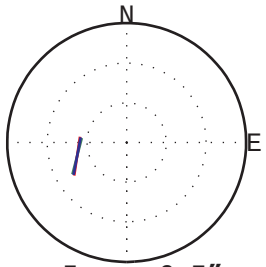




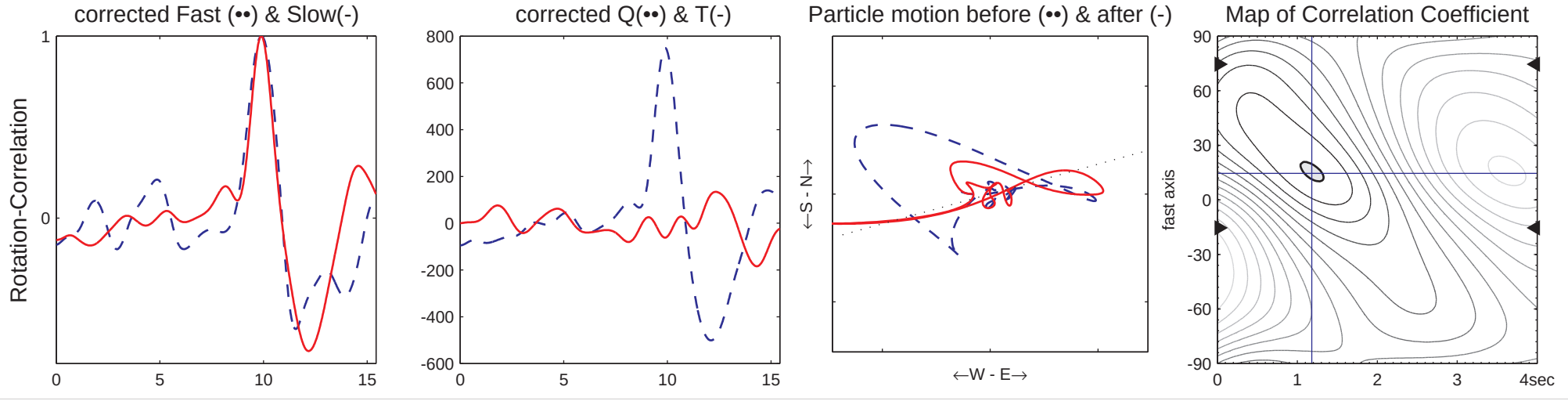
Event: **03-Sep-2008 (247) 11:25 -26.74N -63.23E 569km** Mw=**6.3**
Station: **MALT** Backazimuth: **254.6”** Distance: **114.86”**
init.Pol.: **78.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.3**

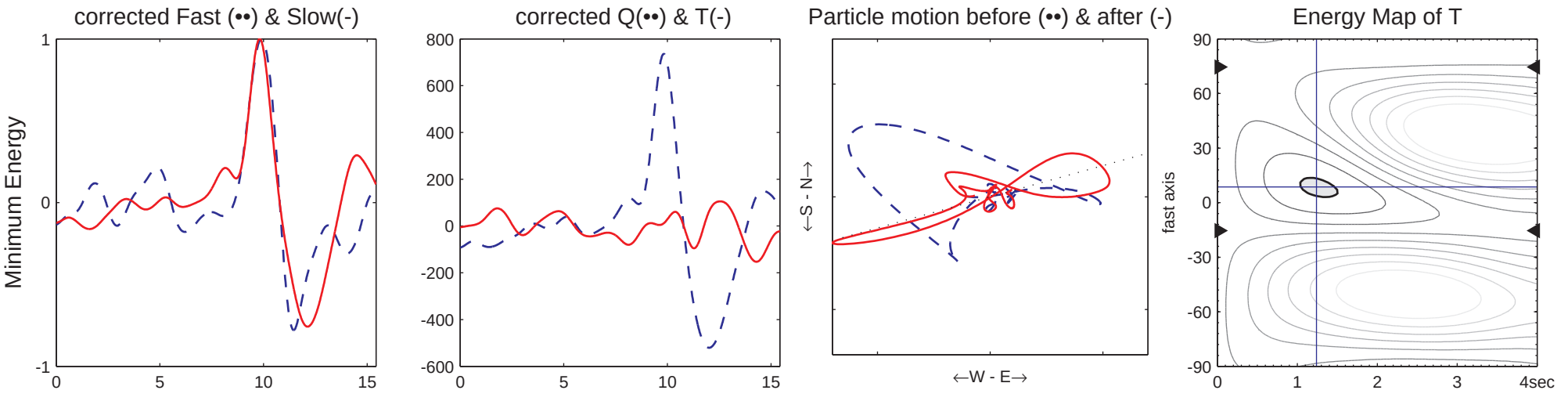
Rotation Correlation:	11<	15° <	21	1.0<1.2s<1.3
Minimum Energy:	3<	9° <	13	1.0<1.2s<1.5
Eigenvalue:	3<	11° <	21	0.9<1.2s<1.4

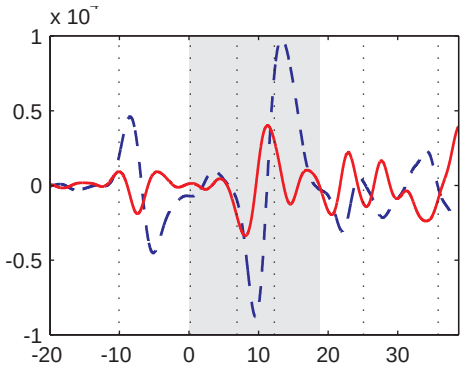
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.5”**



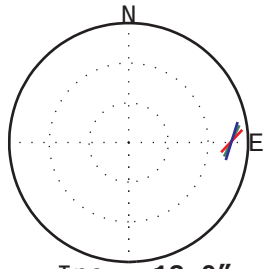




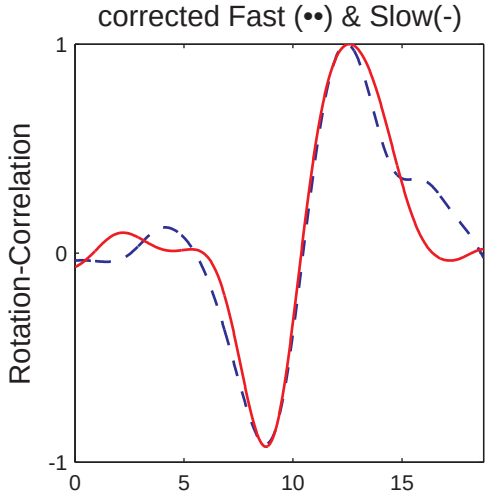
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **MALT** Backazimuth: **89.2”** Distance: **88.00”**
init.Pol.: **258.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.3**

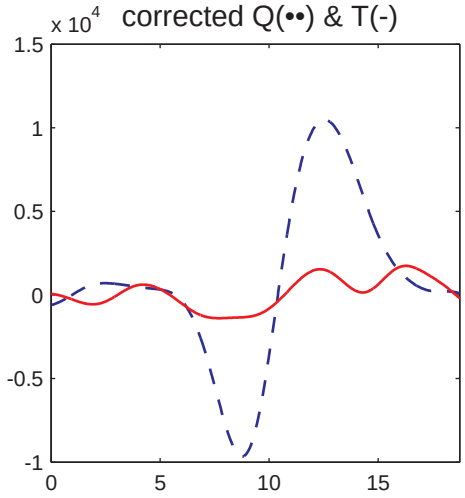
Rotation Correlation:	12<	26° <	46	0.8<1.1s<1.5
Minimum Energy:	23<	43° <	66	0.6<1.0s<1.3
Eigenvalue:	5<	17° <	37	0.9<1.2s<1.7

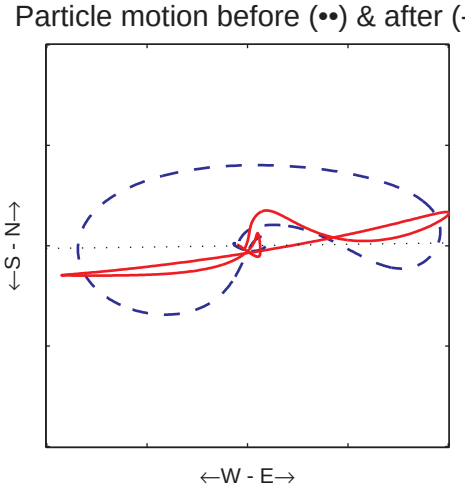
Quality: **fair** IsNull: **No** Phase: **SKKS**

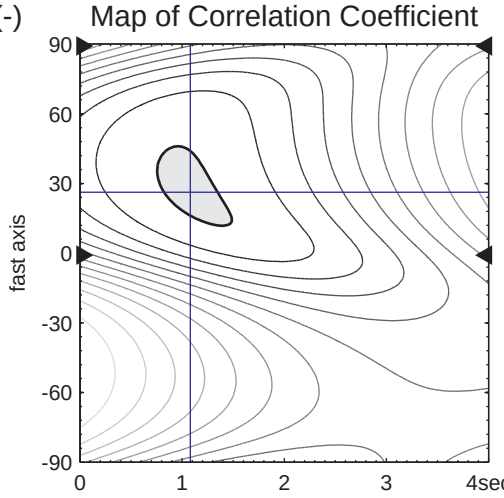


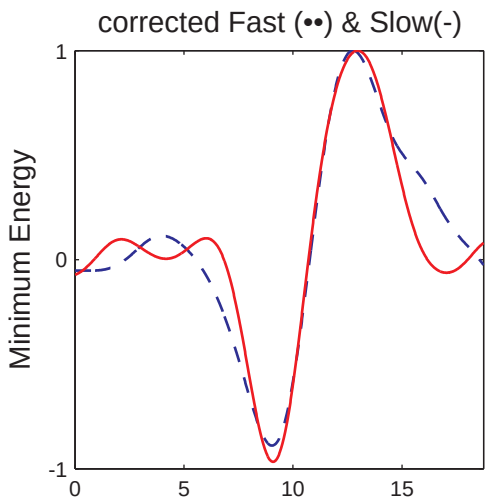
Inc = **13.0”**

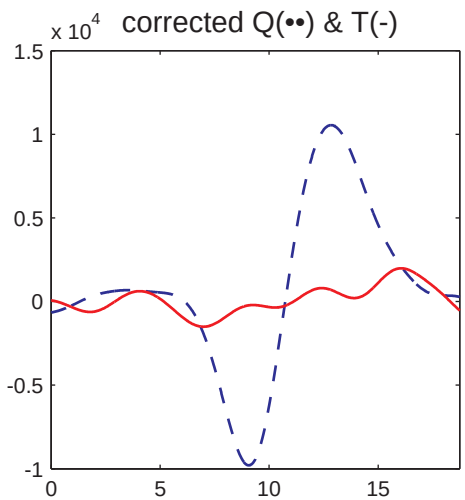


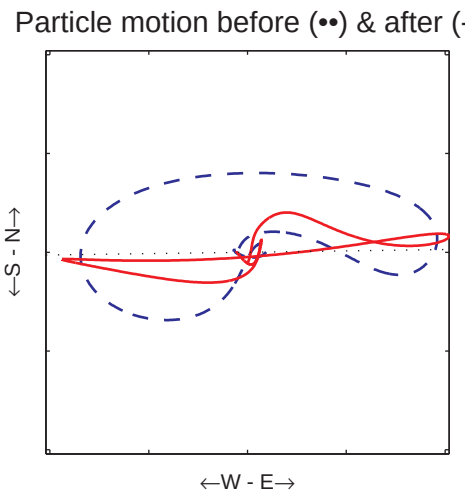


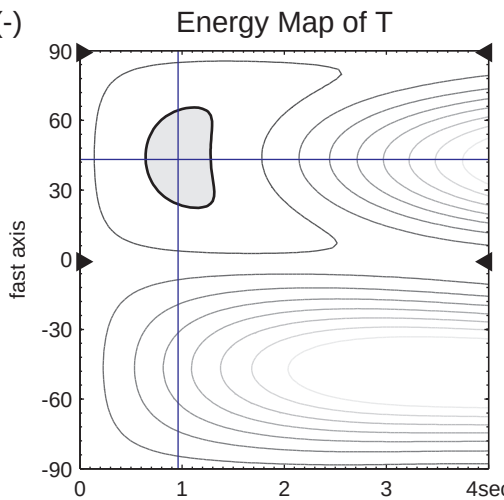


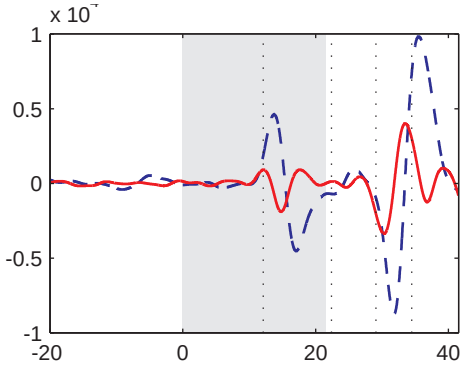








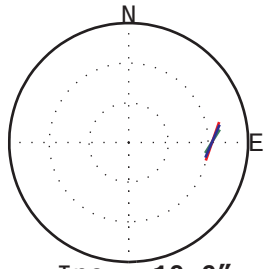




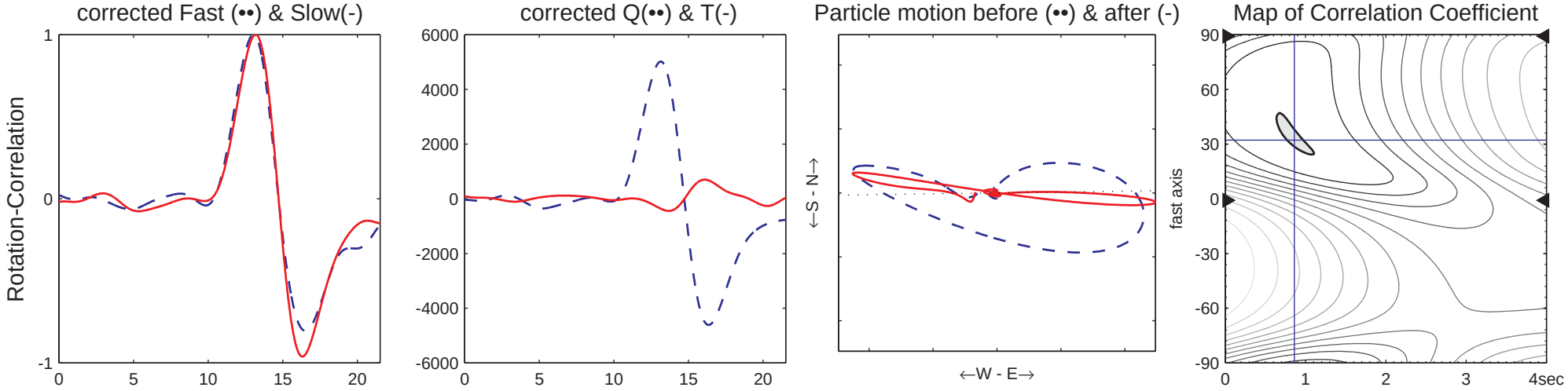
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **MALT** Backazimuth: **89.2”** Distance: **88.00”**
init.Pol.: **272.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**18.3**

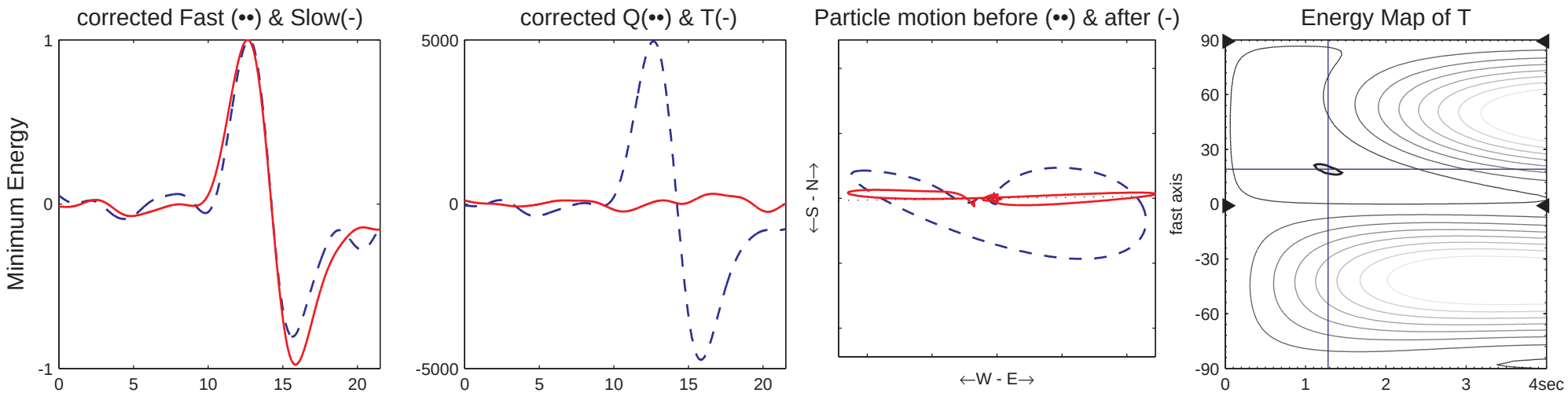
Rotation Correlation:	25<	32° <	47	0.6<0.9s<1.1
Minimum Energy:	15<	19° <	21	1.1<1.3s<1.4
Eigenvalue:	19<	23° <	29	1.0<1.1s<1.3

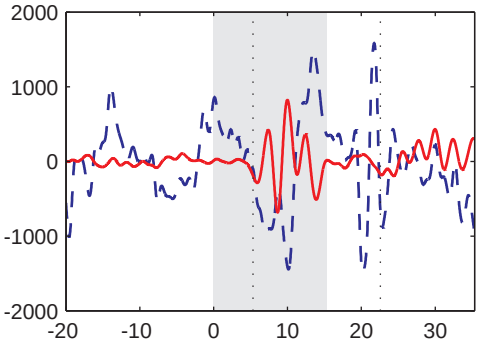
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.6”**



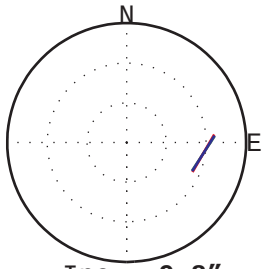


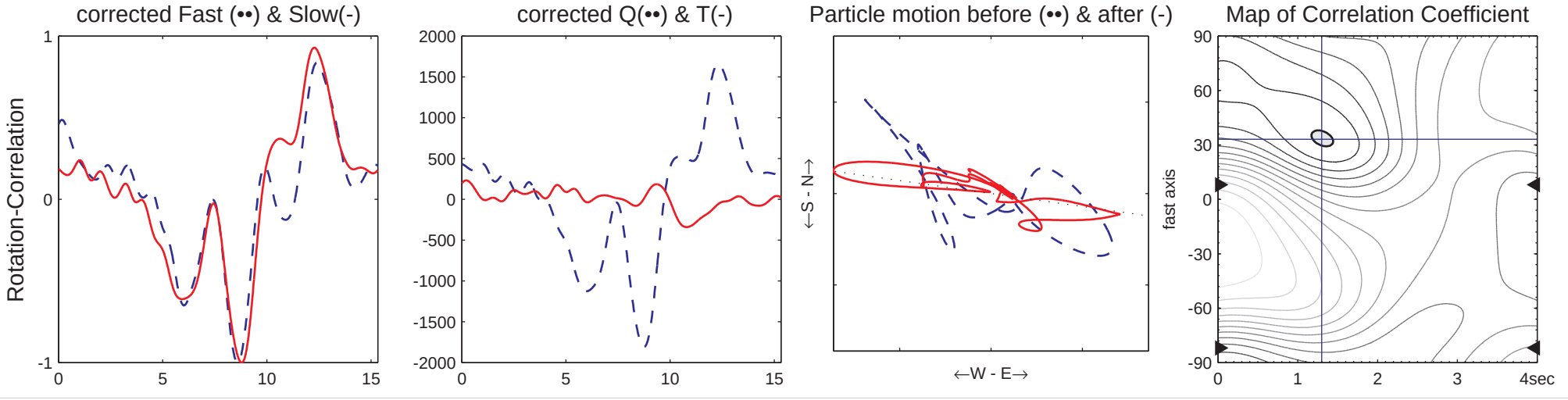


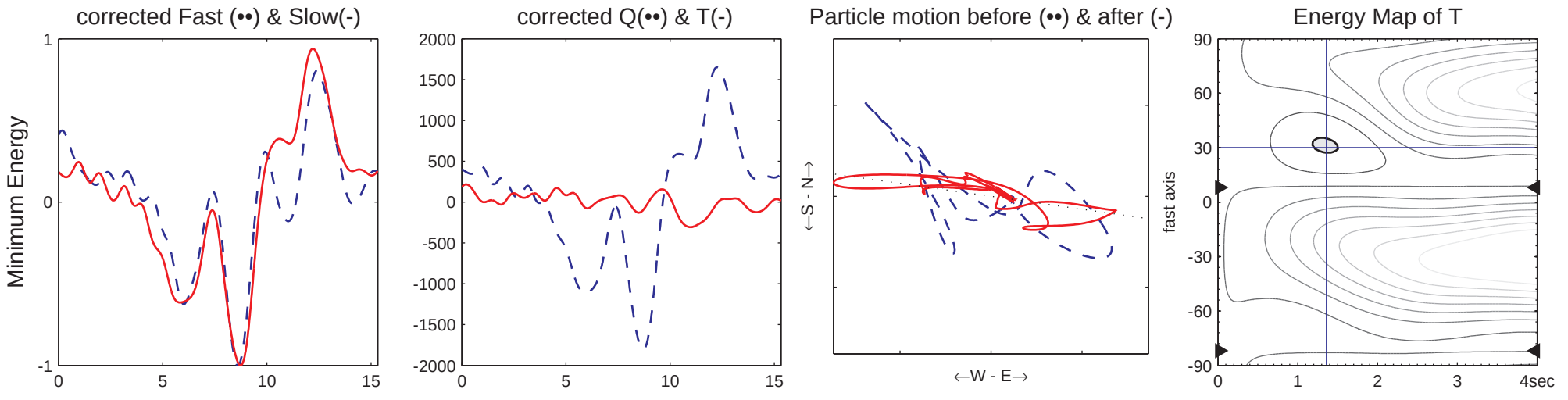
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **MALT** Backazimuth: **98.1”** Distance: **91.71”**
init.Pol.: **280.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.8**

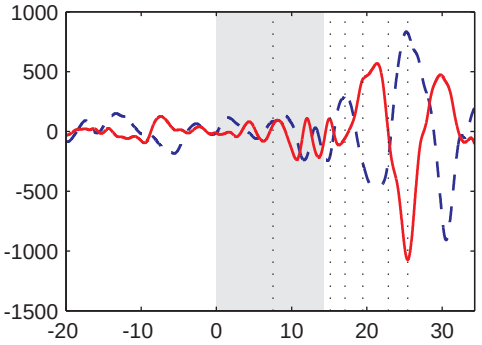
Rotation Correlation:	30<	33° <	38	1.2<1.3s<1.4
Minimum Energy:	27<	30° <	35	1.2<1.4s<1.5
Eigenvalue:	27<	32° <	37	1.2<1.3s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





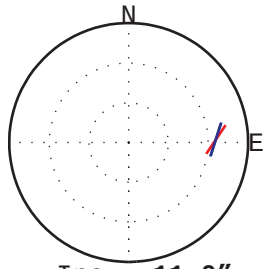




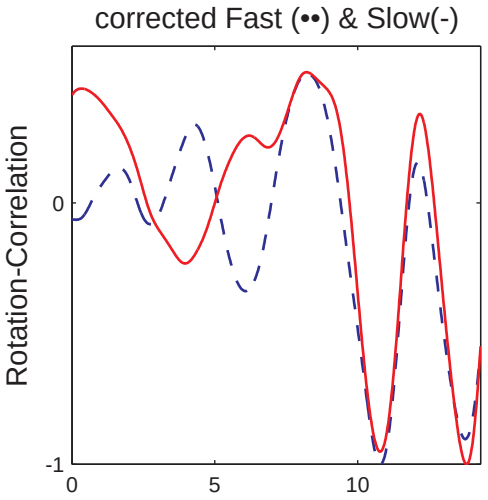
Event: **12-Feb-2009 (043) 13:15 4.04N 126.55E 27km Mw=6.3**
Station: **MALT** Backazimuth: **88.0”** Distance: **86.03”**
init.Pol.: **247.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.3**

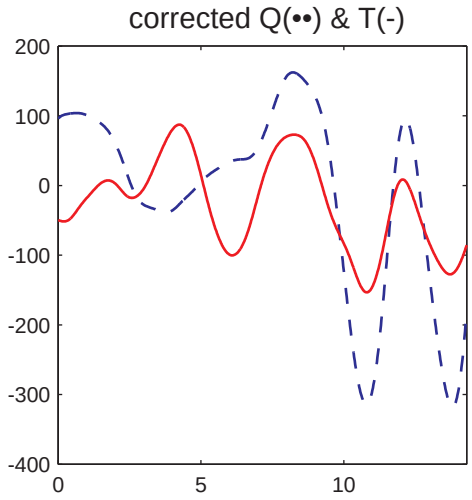
Rotation Correlation:	6<	17° <	31	0.8<1.0s<1.2
Minimum Energy:	21<	34° <	46	0.8<1.1s<1.4
Eigenvalue:	1<	18° <	33	0.8<1.1s<1.3

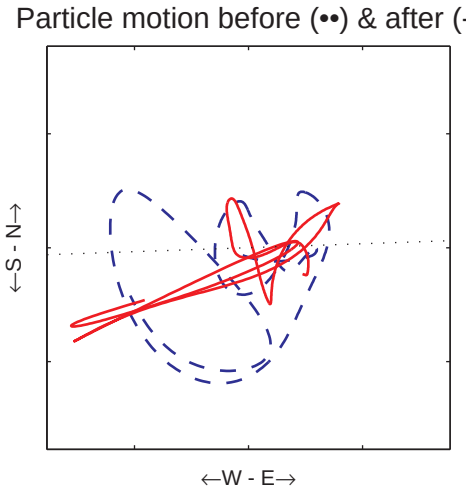
Quality: **fair** IsNull: **No** Phase: **SKS**

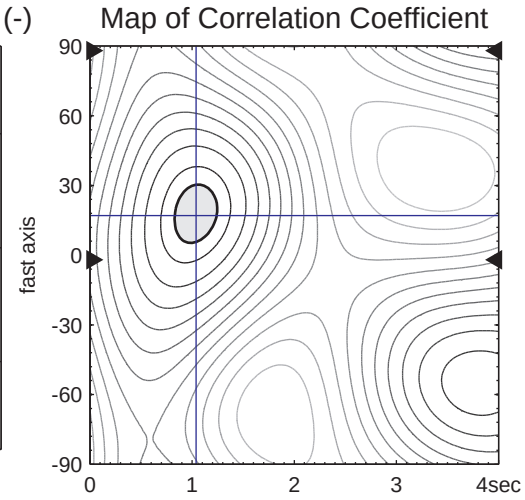


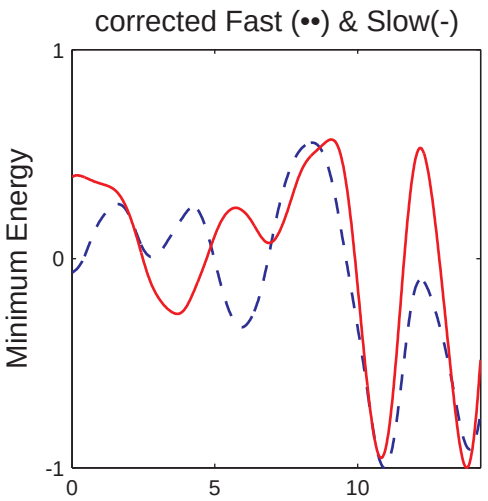
Inc = **11.0”**

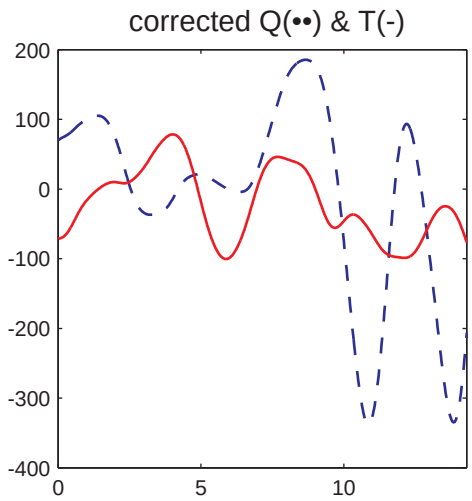


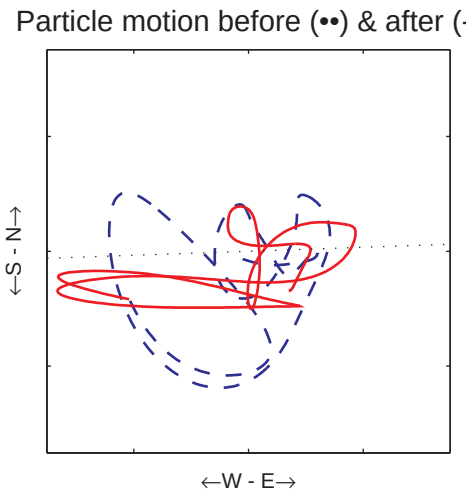


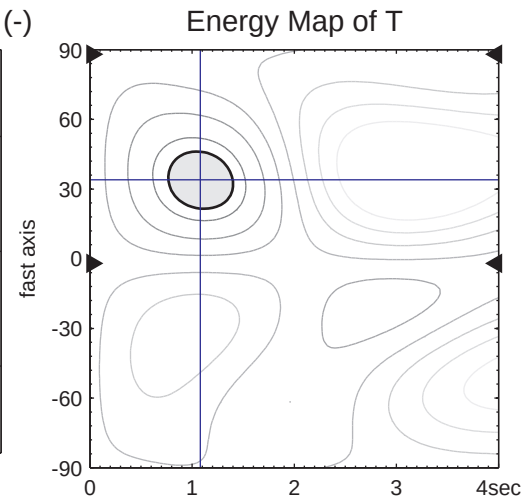


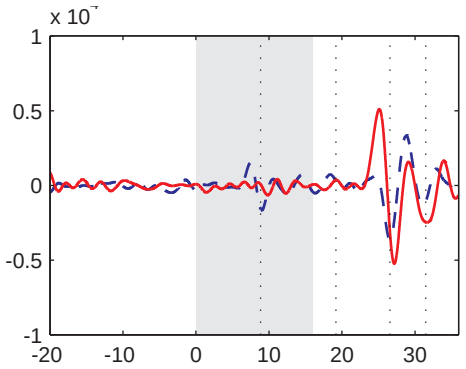










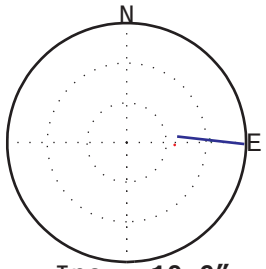


Event: **04-Sep-2005 (247) 23:58 3.00N 123.07E 443km Mw=6.0**
Station: **MERS** Backazimuth: **88.5”** Distance: **87.04”**
init.Pol.: **295.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.1**

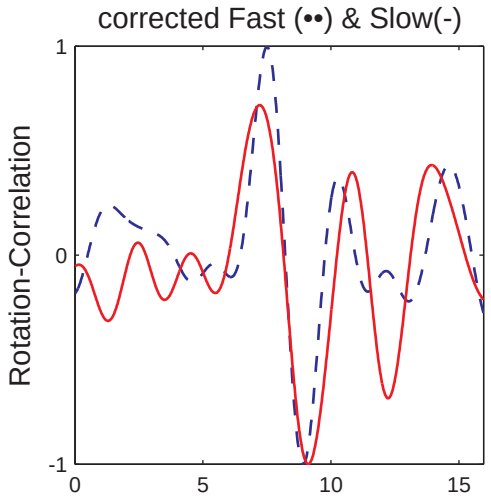
Rotation Correlation:	-62<	-54° <	-47
Minimum Energy:	80<	82° <	-92
Eigenvalue:	88<	-84° <	-74

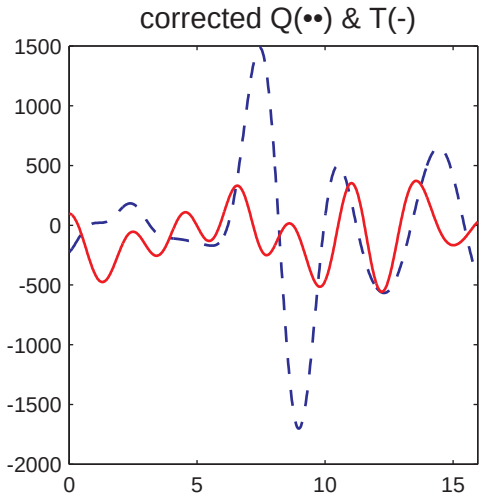
0.0<0.1s<0.2
1.7<2.3s<2.9
1.9<2.1s<2.4

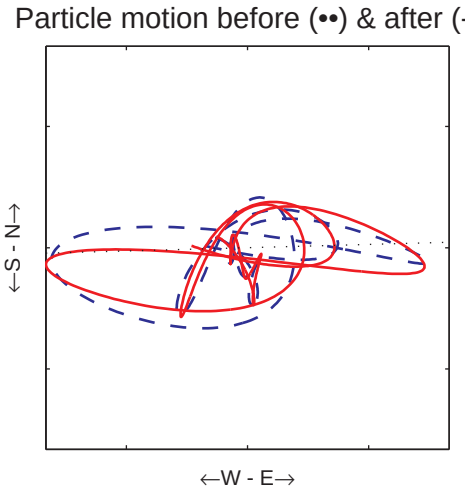
Quality: **good** IsNull: **Yes** Phase: **SKS**

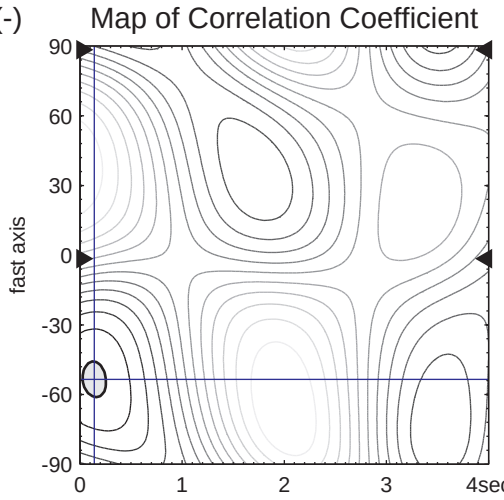


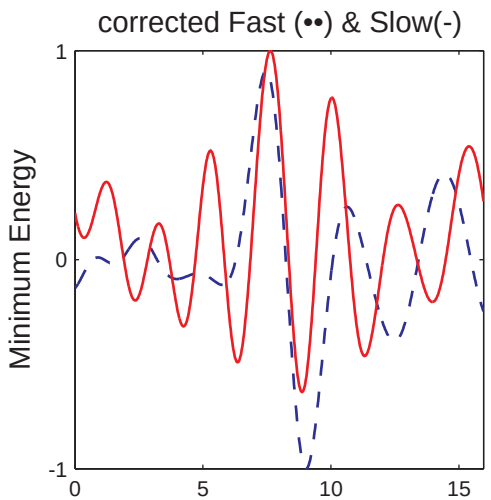
Inc = **10.6”**

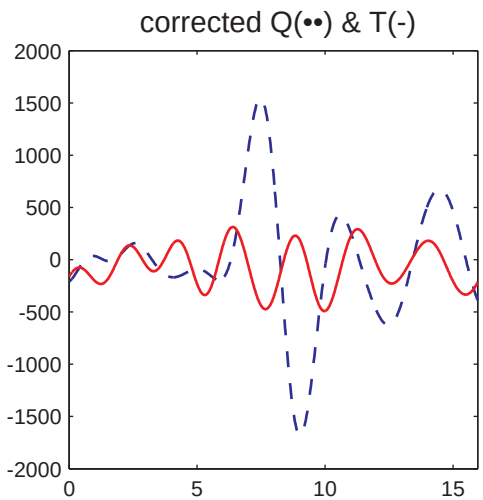


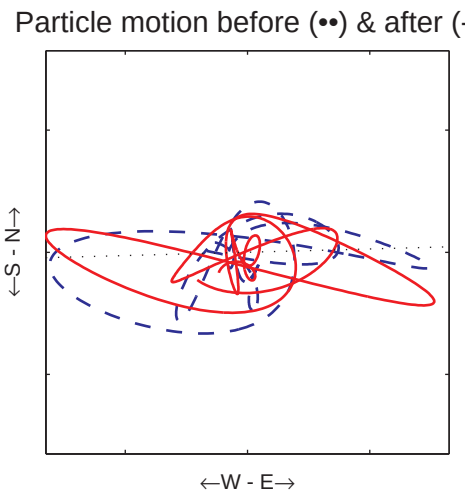


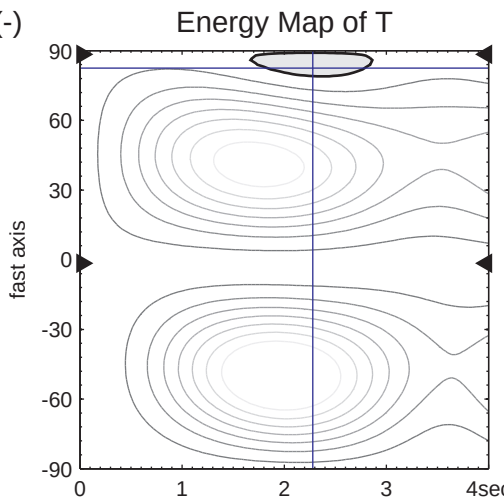


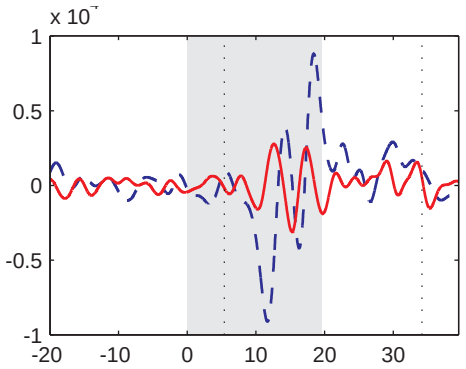








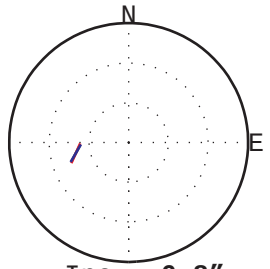


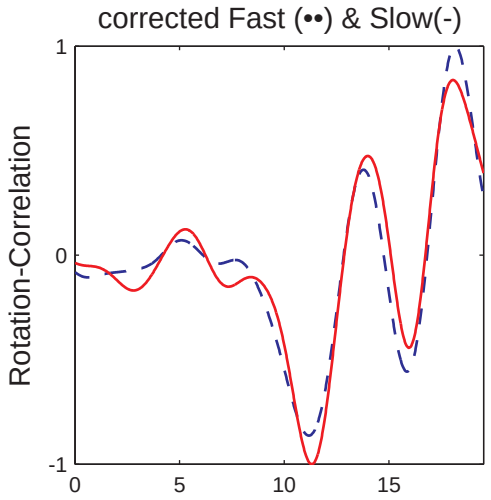


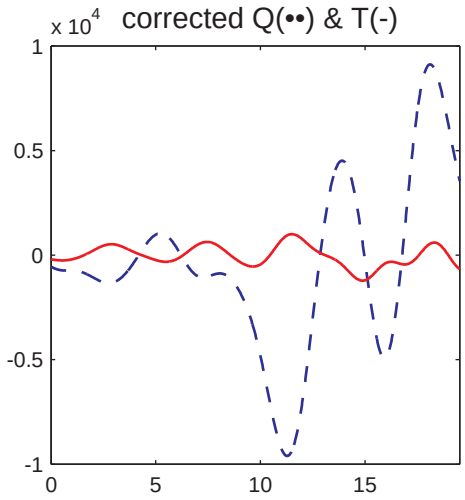
Event: **17-Nov-2005 (321) 19:26 -22.32N -67.89E 162km** Mw=**6.9**
Station: **MERS** Backazimuth: **258.5”** Distance: **112.76”**
init.Pol.: **80.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.5**

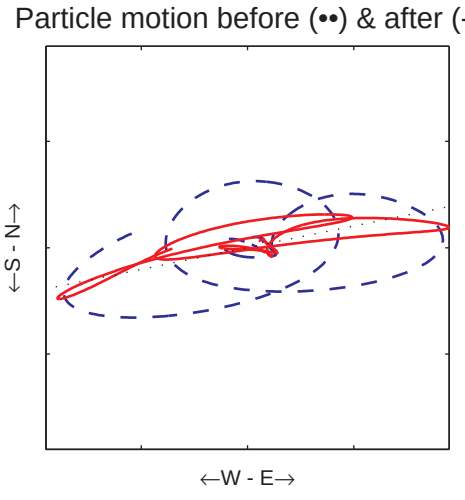
Rotation Correlation:	13<	27° <	46	0.4<0.6s<0.8
Minimum Energy:	13<	24° <	39	0.5<0.7s<0.9
Eigenvalue:	11<	30° <	54	0.5<0.6s<0.9

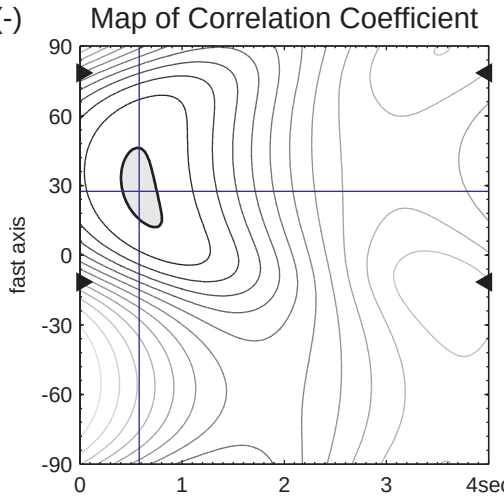
Quality: **good** IsNull: **No** Phase: **SKS**

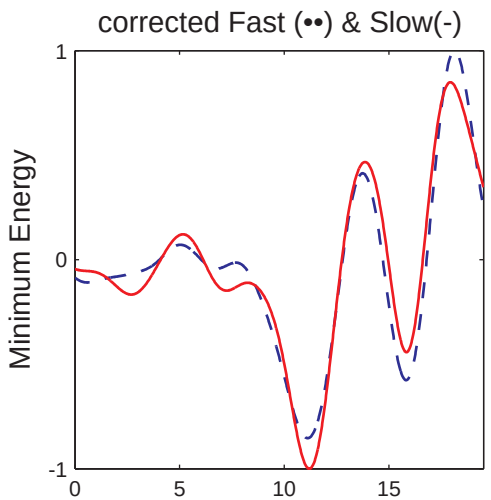


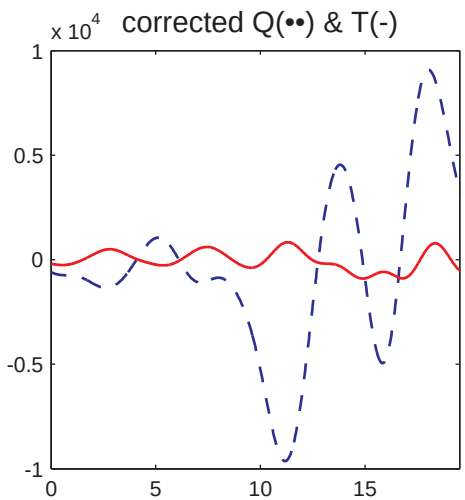


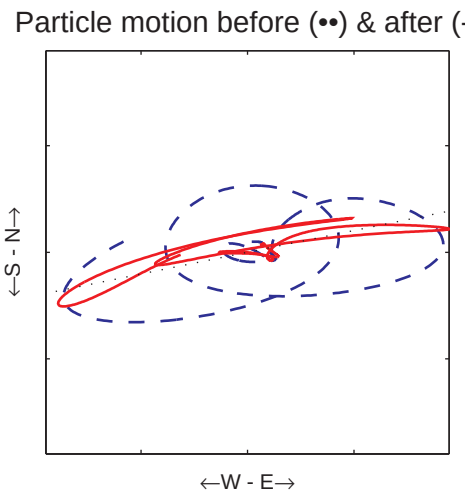


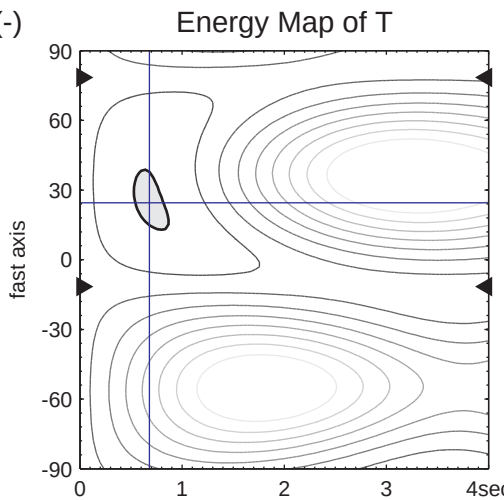


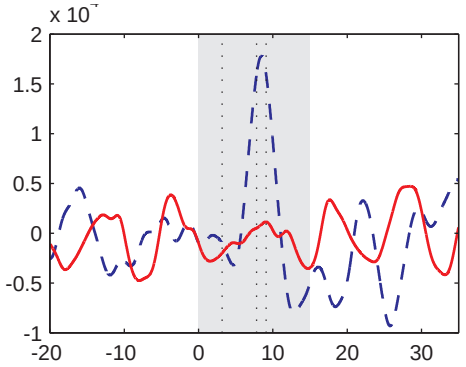








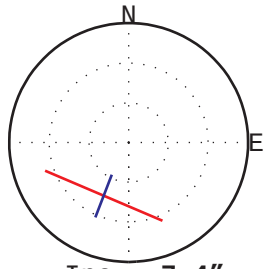


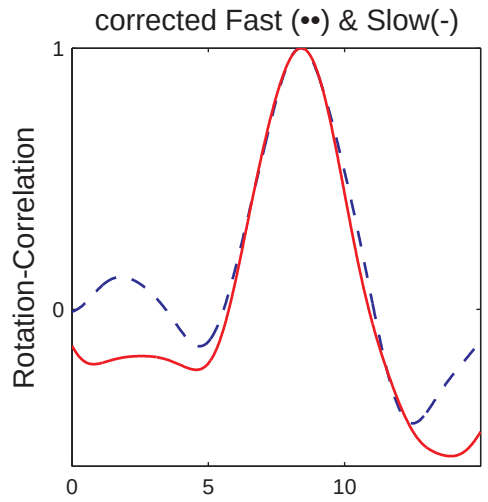


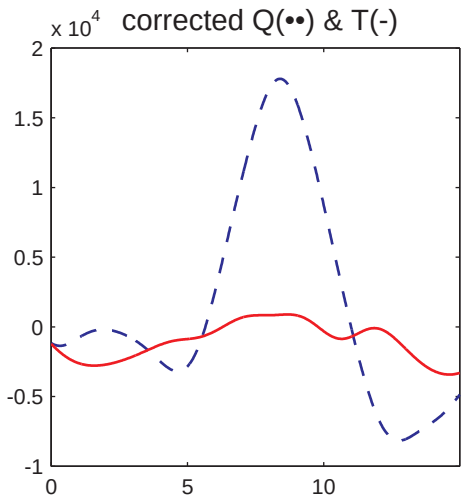
Event: **02-Jan-2006 (002) 06:10 -60.93N -21.58E 10km Mw=7.4**
Station: **MERS** Backazimuth: **205.1”** Distance: **107.91”**
init.Pol.: **16.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.7**

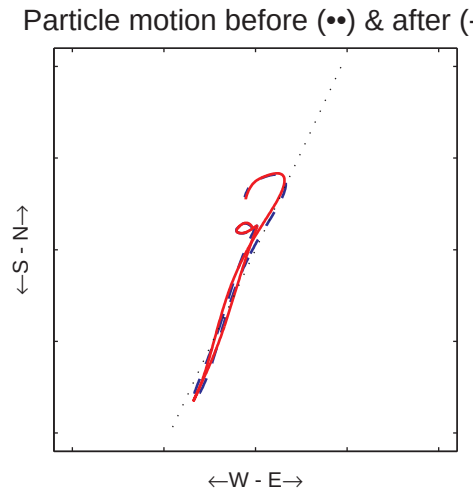
Rotation Correlation:	48<	65° <	84	0.0<0.1s<0.6
Minimum Energy:	-Inf<	-67° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-90<	21° <	88	0.0<1.4s<2.3

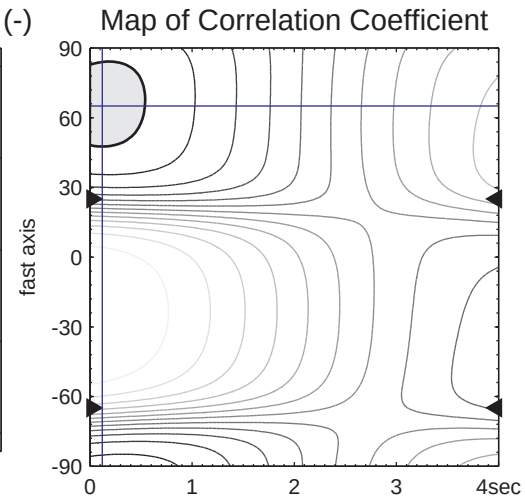
Quality: **good** IsNull: **Yes** Phase: **SKS**

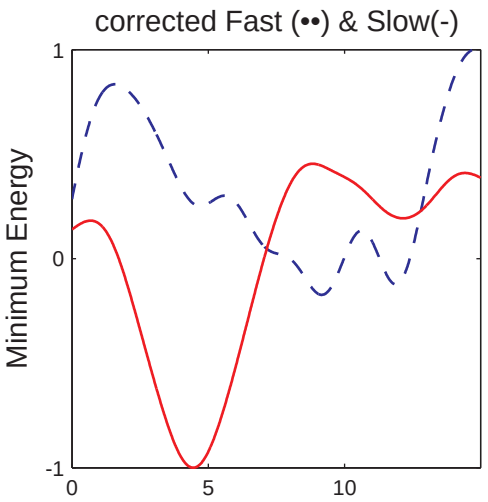


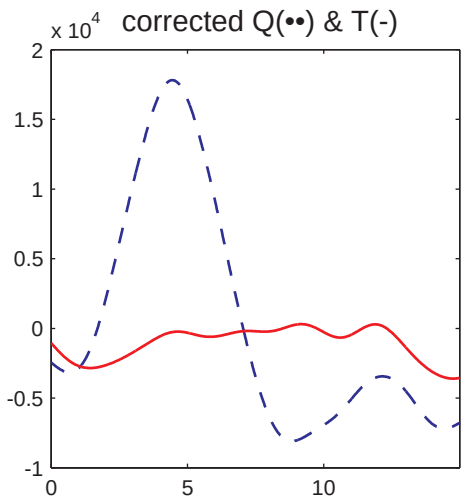


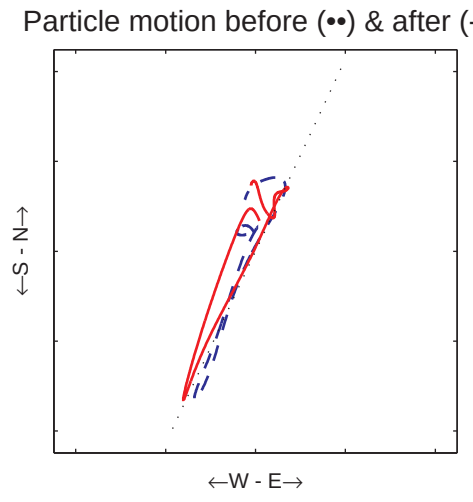


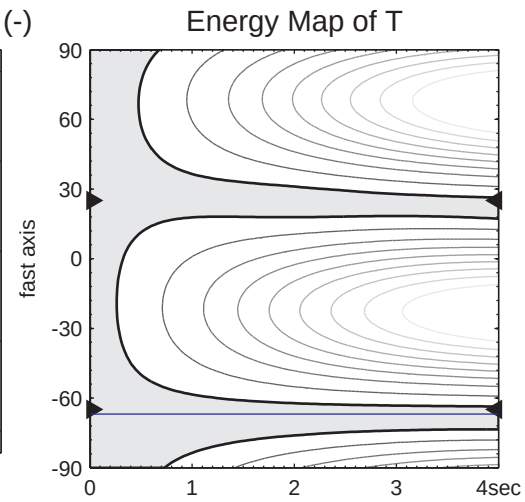


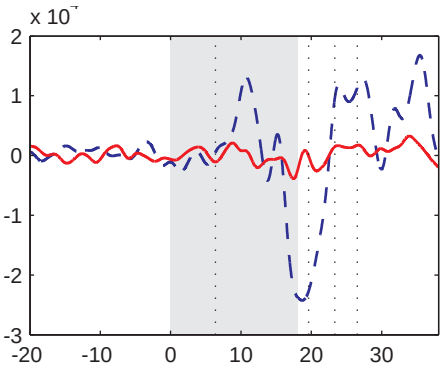








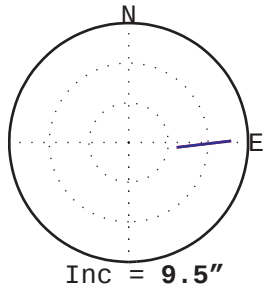


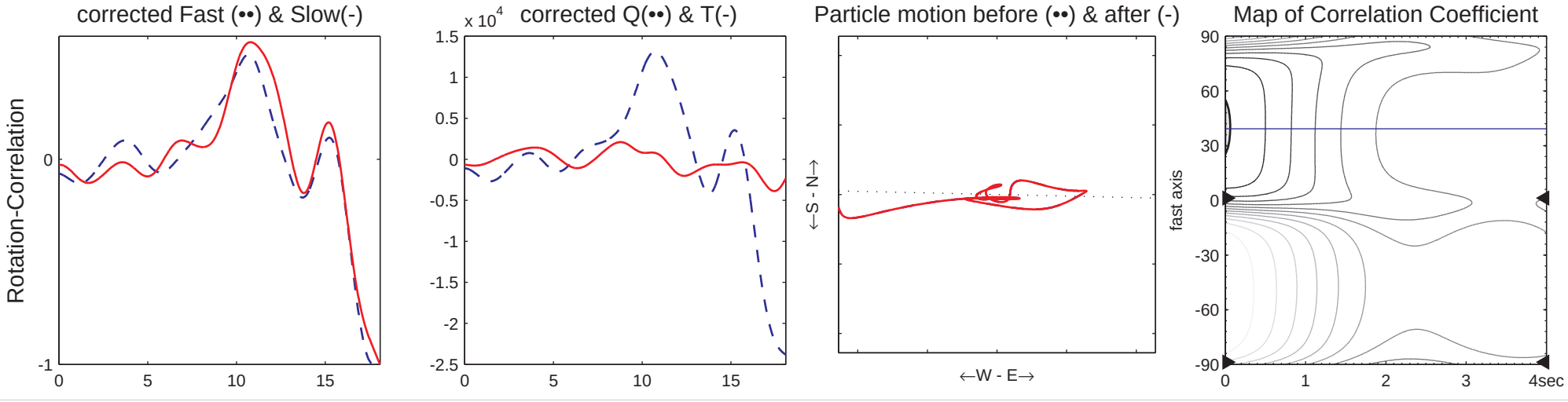


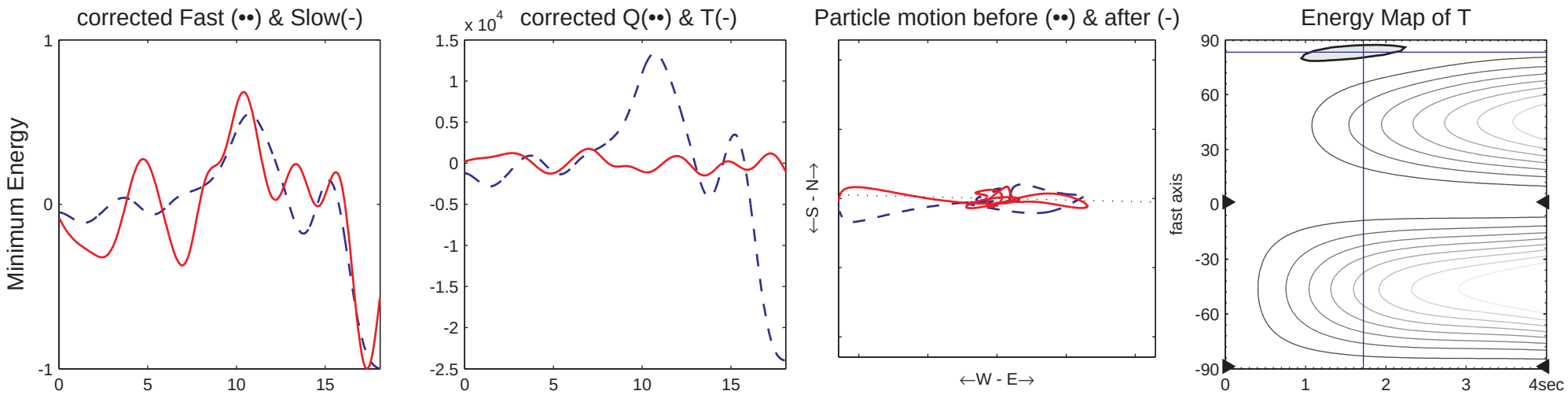
Event: **14-Mar-2006 (073) 06:57 -3.60N 127.21E 30km Mw=6.7**
Station: **MERS** Backazimuth: **91.3”** Distance: **94.31”**
init.Pol.: **272.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.3**

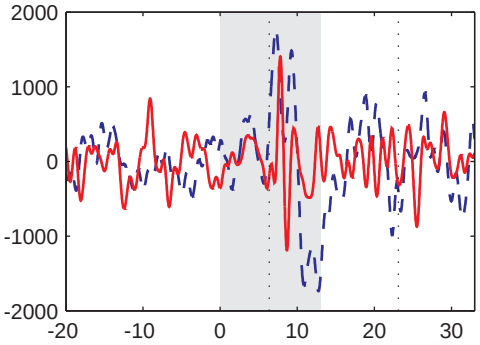
Rotation Correlation:	26<	39° <	55	0.0<0.0s<0.1
Minimum Energy:	78<	83° <	88	1.0<1.7s<2.2
Eigenvalue:	80<	83° <	88	0.9<1.7s<2.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





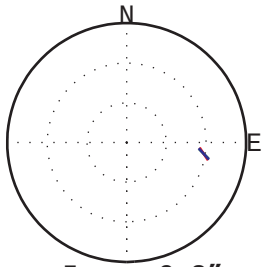




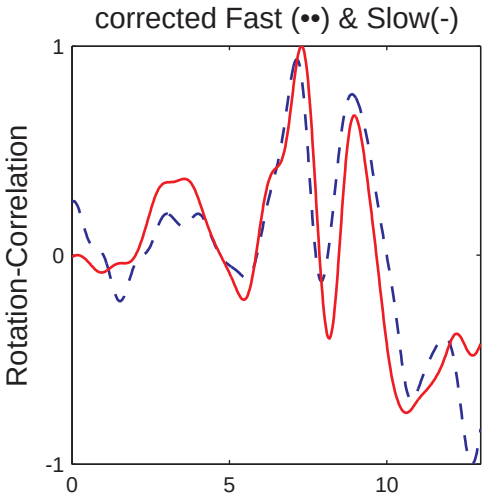
Event: **09-Sep-2006 (252) 04:13 -7.22N 120.10E 571km Mw=6.3**
Station: **MERS** Backazimuth: **98.4”** Distance: **90.81”**
init.Pol.: **270.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

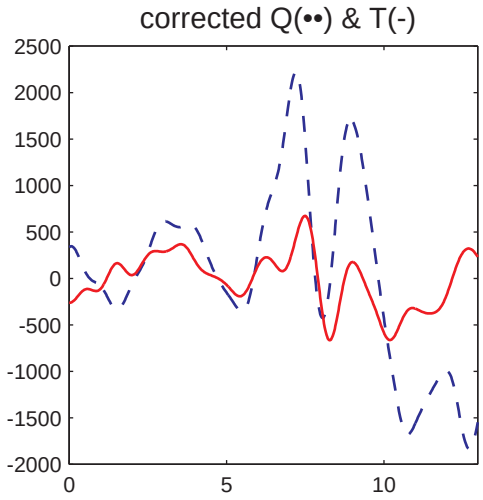
Rotation Correlation:	-52<	-46° <	-41 0.4<0.4s<0.5
Minimum Energy:	-48<	-34° <	-23 0.4<0.5s<0.6
Eigenvalue:	-56<	-42° <	-31 0.4<0.5s<0.6

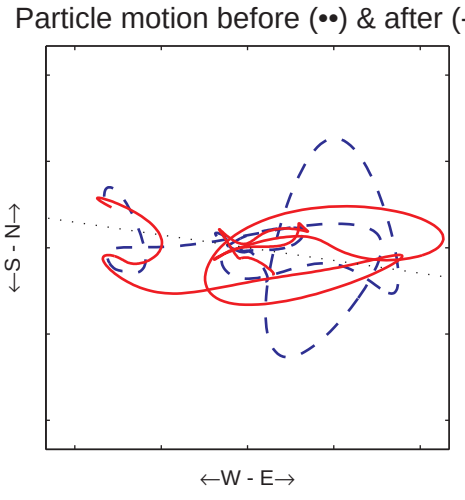
Quality: **fair** IsNull: **No** Phase: **SKS**

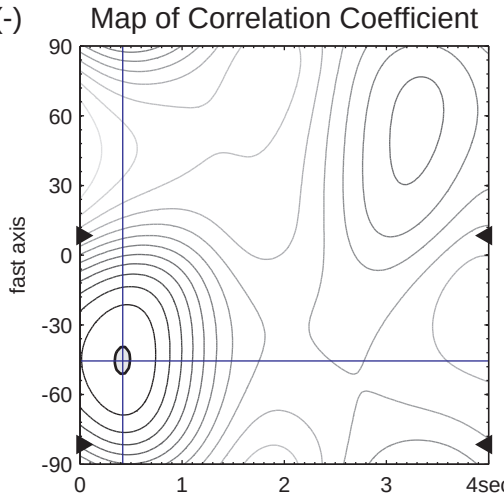


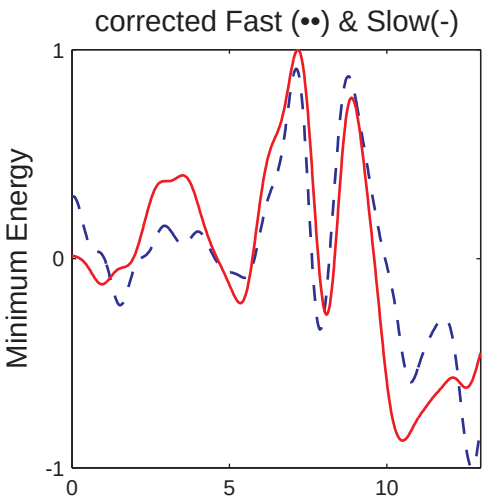
Inc = **9.8”**

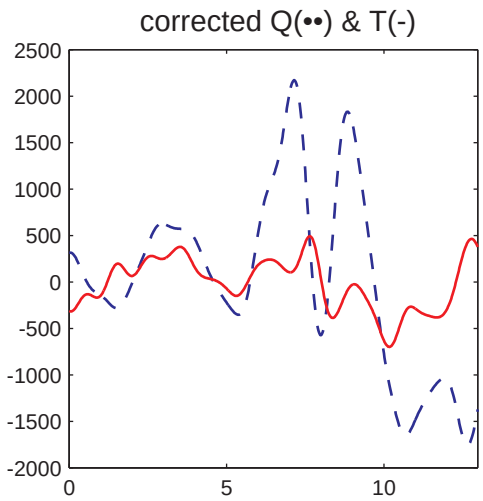


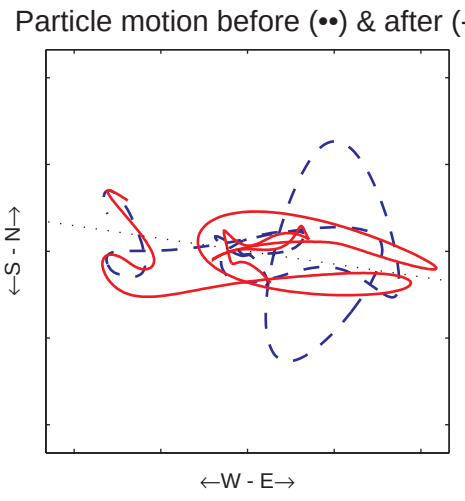


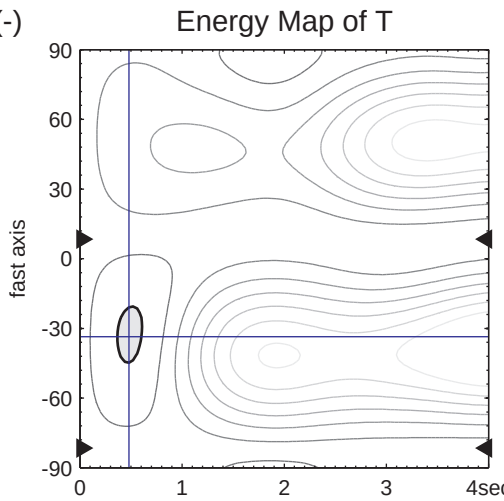


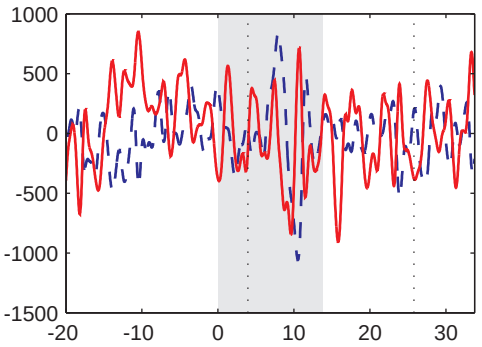








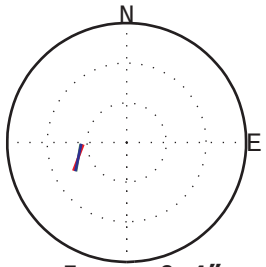




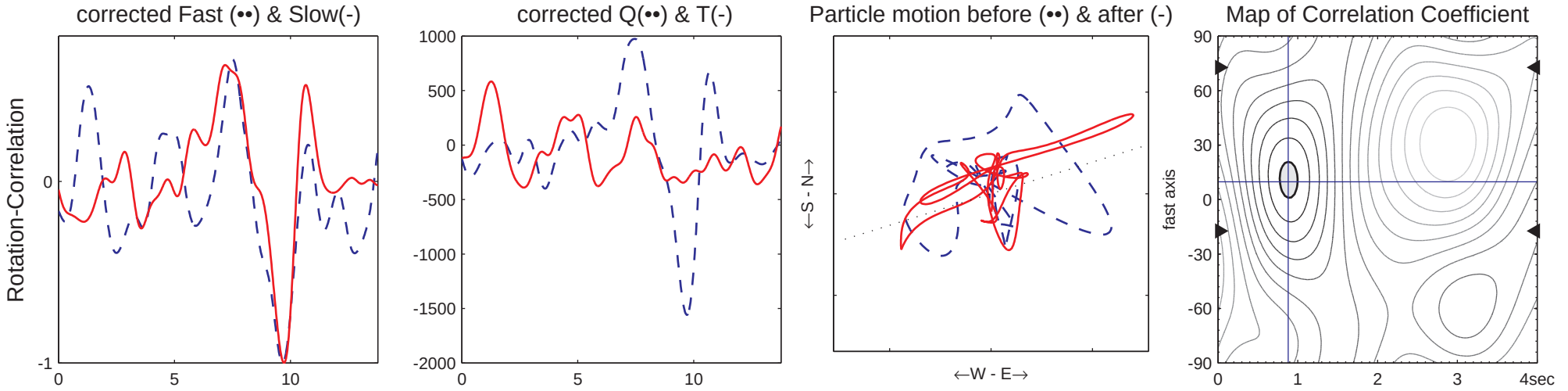
Event: **12-Sep-2006 (255) 13:30 -28.79N -68.64E 123km** Mw=**6.0**
Station: **MERS** Backazimuth: **252.7”** Distance: **116.65”**
init.Pol.: **63.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.6**

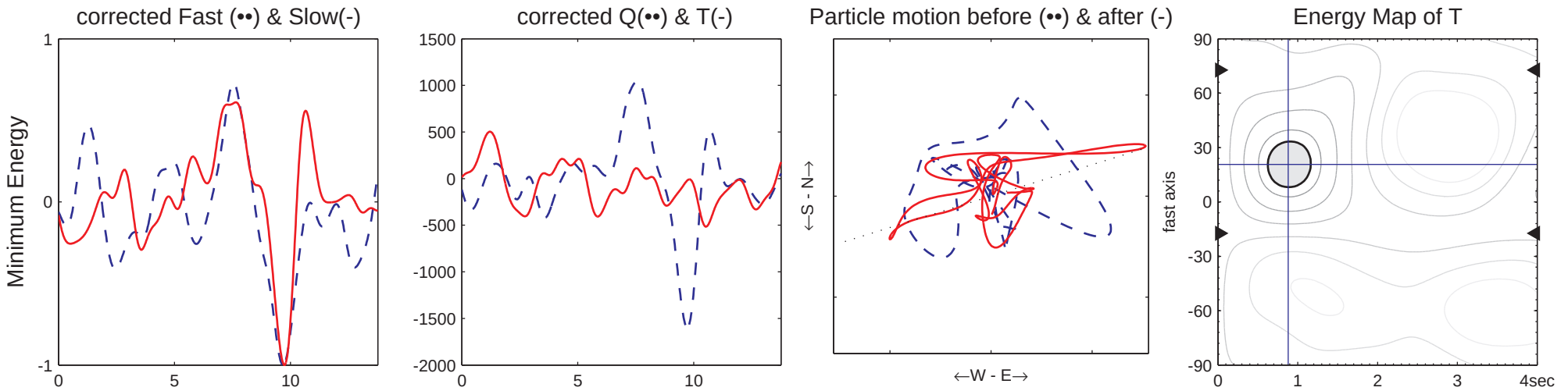
Rotation Correlation:	1<	10° <	21	0.8<0.9s<1.0
Minimum Energy:	9<	21° <	33	0.6<0.9s<1.2
Eigenvalue:	-5<	13° <	33	0.6<0.9s<1.1

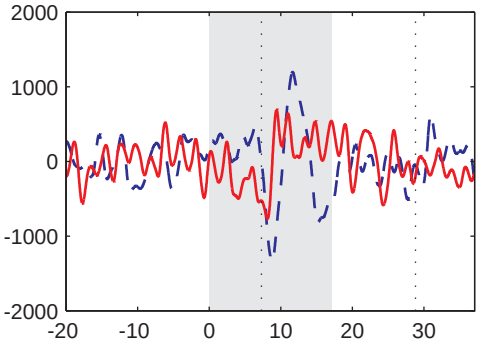
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.4”**



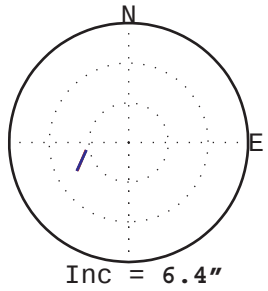


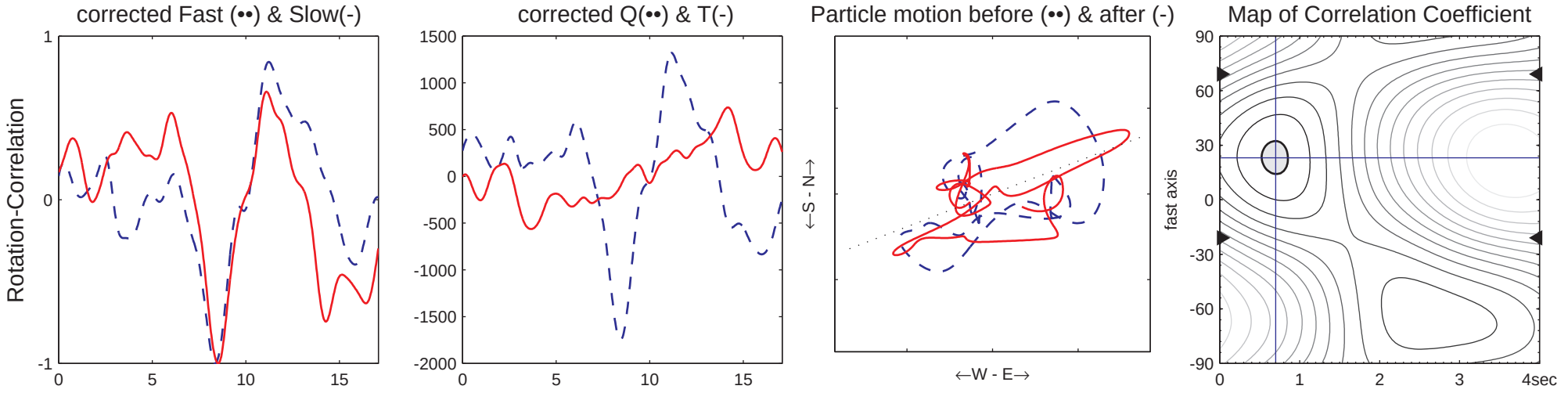


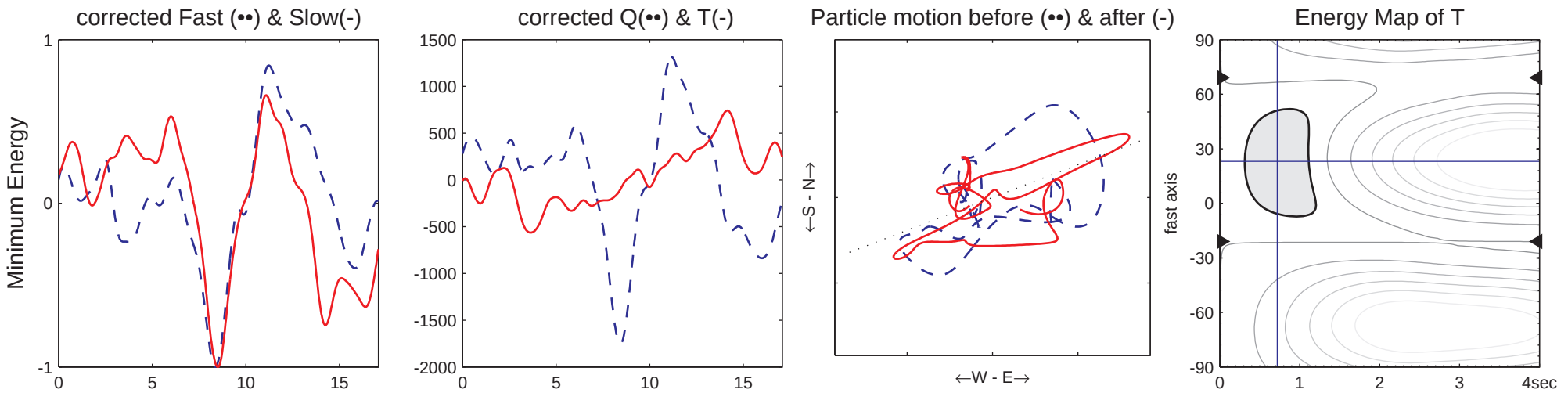
Event: **17-Sep-2006 (260) 09:34 -31.73N -67.00E 141km** Mw=6.2
Station: **MERS** Backazimuth: **249.1”** Distance: **116.84”**
init.Pol.: **70.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.9**

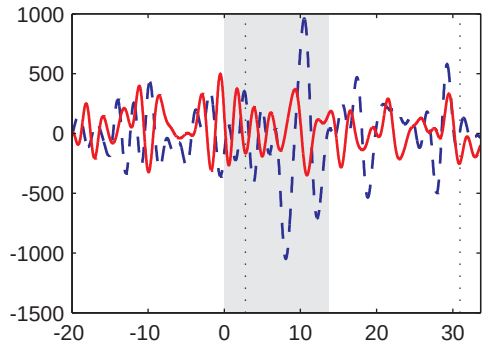
Rotation Correlation:	15<	23° <	33	0.5<0.7s<0.8
Minimum Energy:	-7<	23° <	52	0.3<0.7s<1.2
Eigenvalue:	-19<	25° <	64	0.3<0.7s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





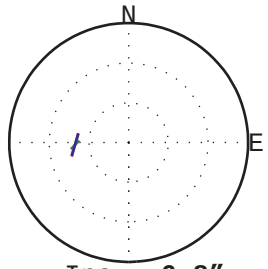


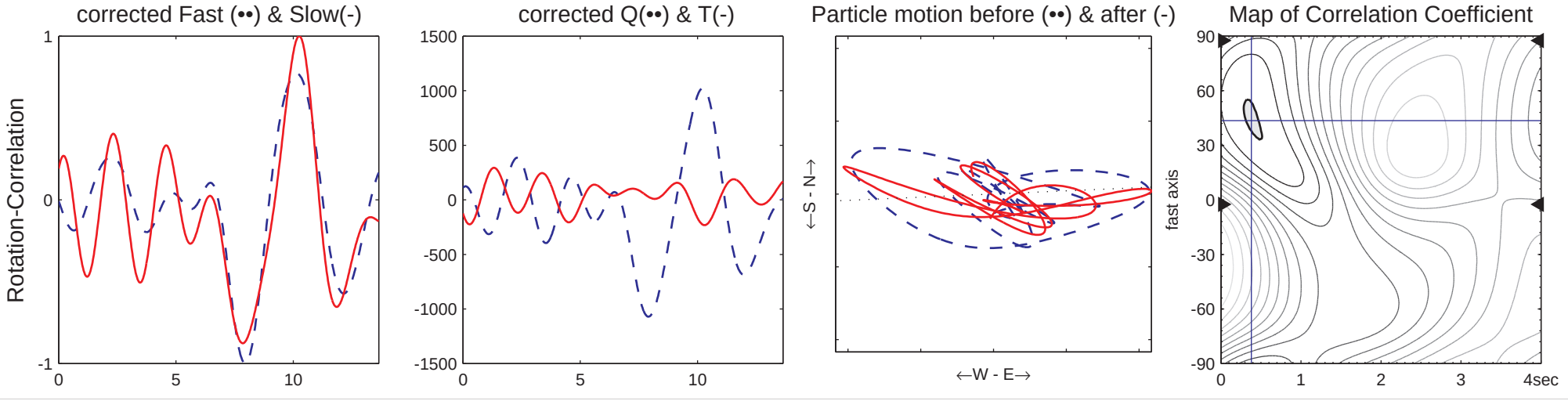


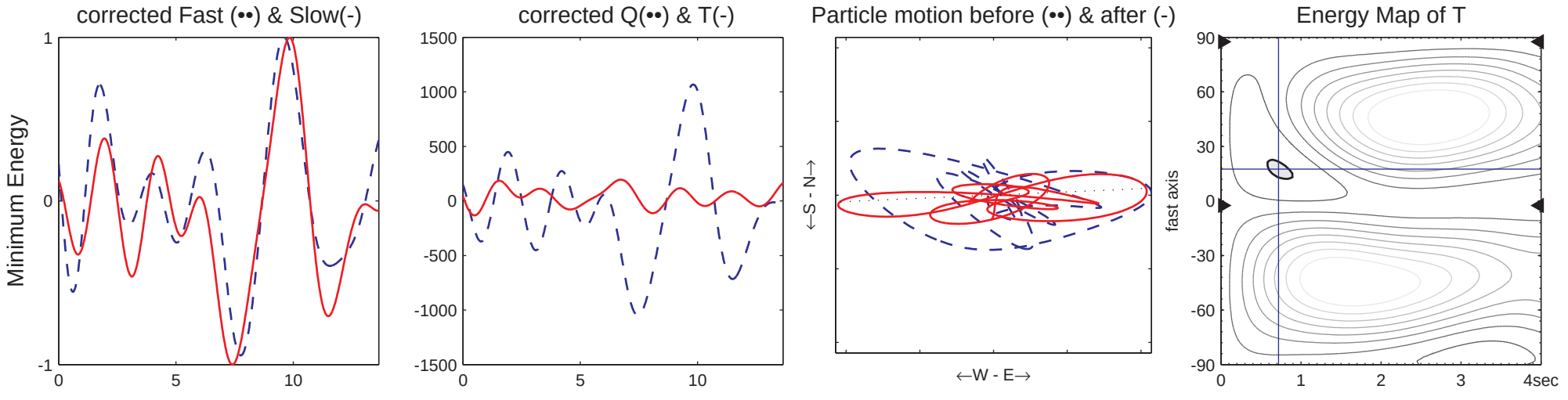
Event: **30-Sep-2006 (273) 16:26 -15.52N -73.05E 106km** Mw=**5.6**
Station: **MERS** Backazimuth: **267.5”** Distance: **113.16”**
init.Pol.: **85.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

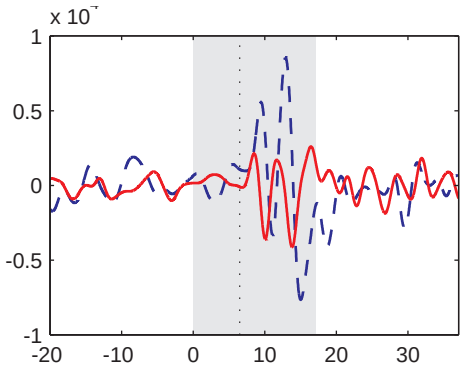
Rotation Correlation:	33<	44° <	55	0.3<0.4s<0.5
Minimum Energy:	13<	18° <	23	0.6<0.7s<0.9
Eigenvalue:	9<	16° <	23	0.6<0.8s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





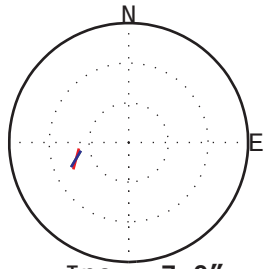


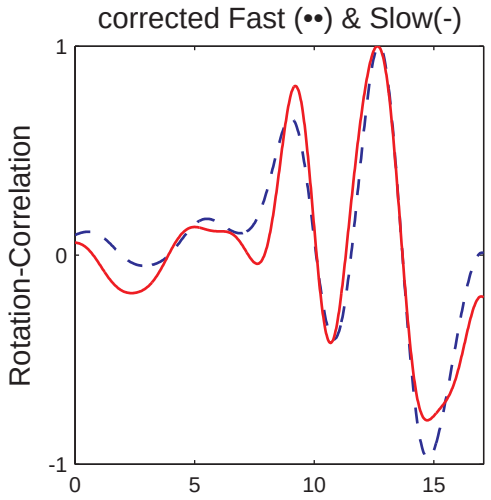


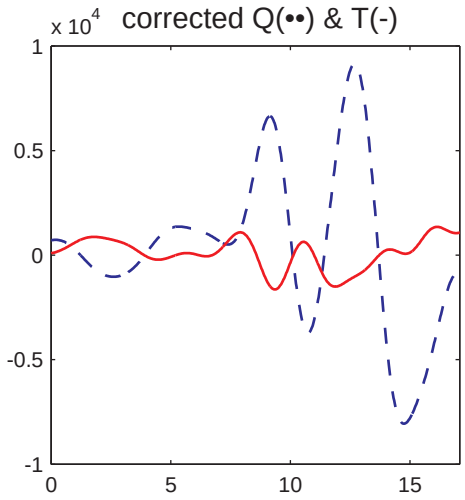
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km** Mw=**6.8**
Station: **MERS** Backazimuth: **252.6”** Distance: **111.11”**
init.Pol.: **79.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.0**

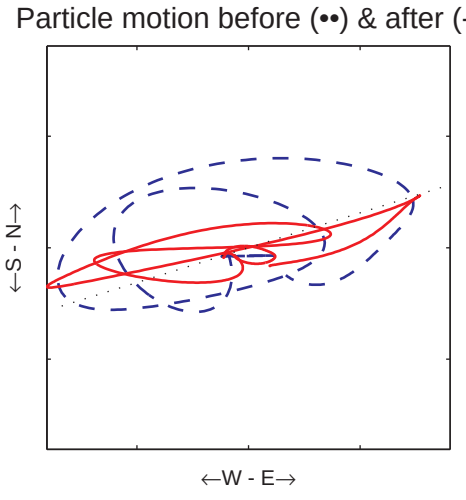
Rotation Correlation:	20<	31° <	44	0.5<0.6s<0.7
Minimum Energy:	7<	15° <	27	0.5<0.7s<0.8
Eigenvalue:	13<	31° <	56	0.5<0.6s<0.7

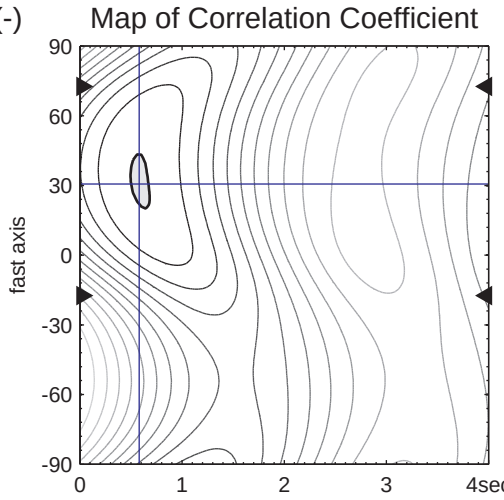
Quality: **fair** IsNull: **No** Phase: **SKS**

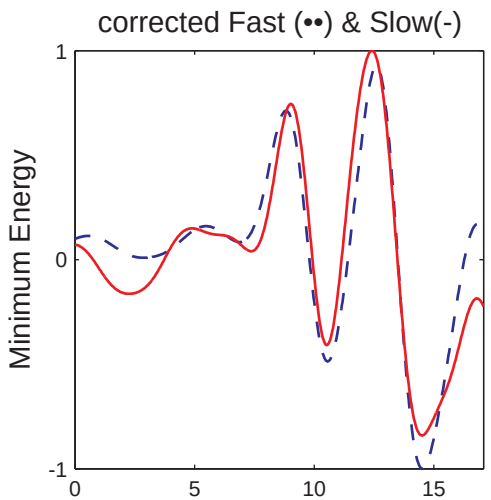


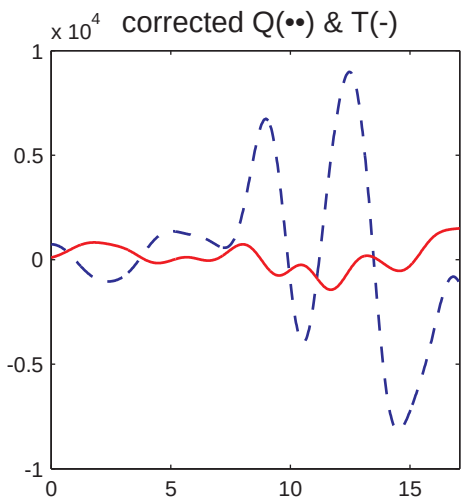


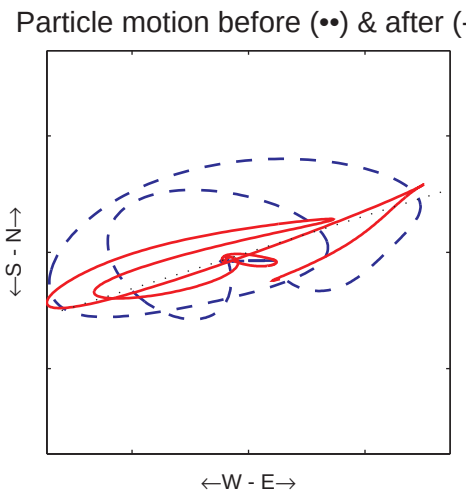


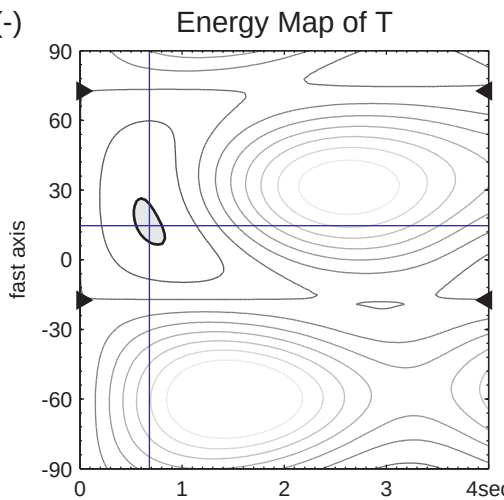


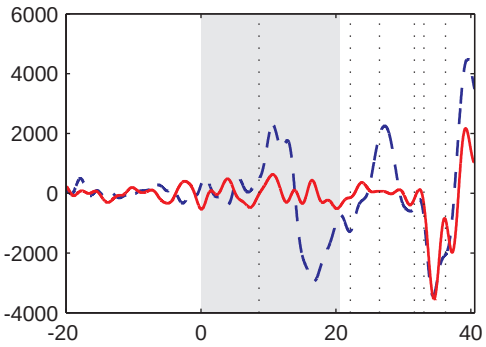








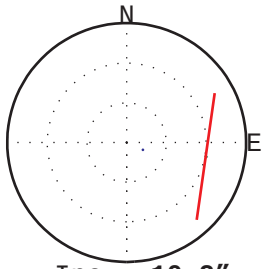




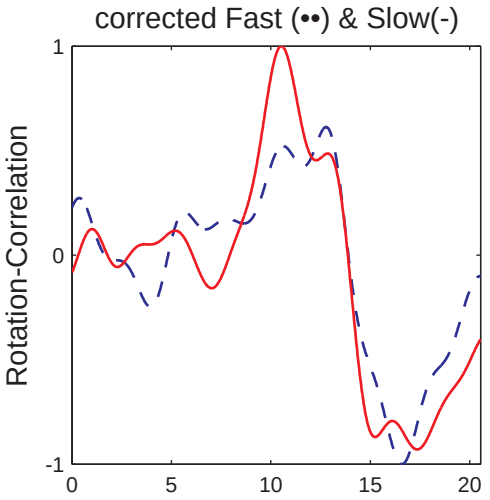
Event: **01-Dec-2006 (335) 14:01 -8.25N 118.78E 43km Mw=6.3**
Station: **MERS** Backazimuth: **100.0”** Distance: **90.39”**
init.Pol.: **272.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

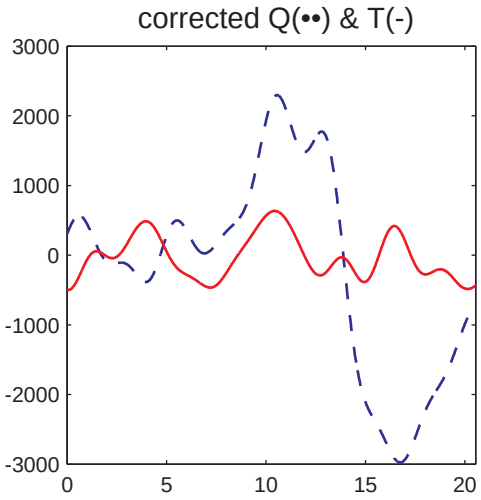
Rotation Correlation:	-53<	-38° < -25	0.0<0.1s<0.5
Minimum Energy:	-Inf<	8° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-84° < Inf	0.0<4.0s<Inf

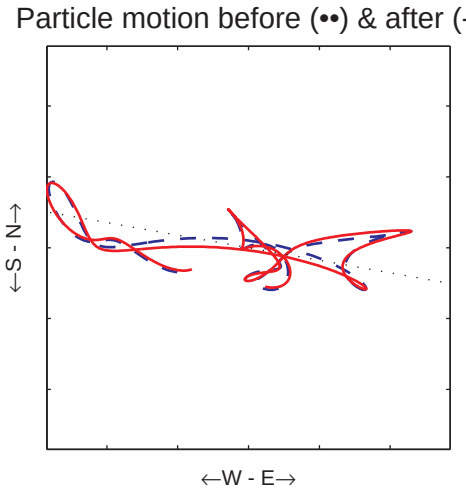
Quality: **good** IsNull: **Yes** Phase: **SKS**

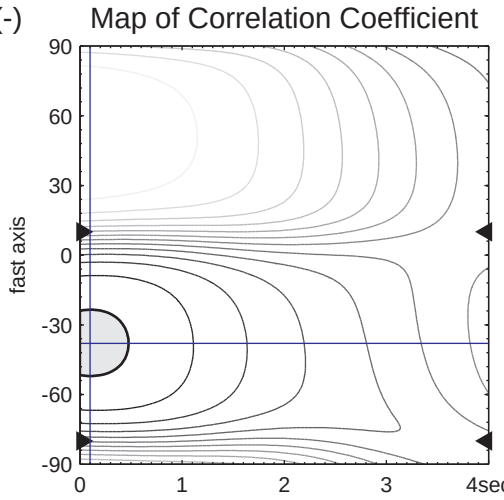


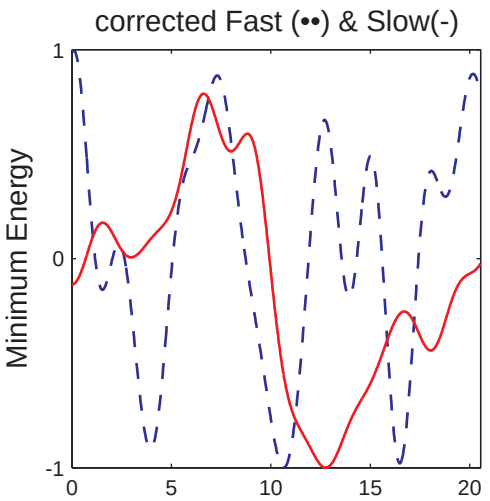
Inc = **10.2”**

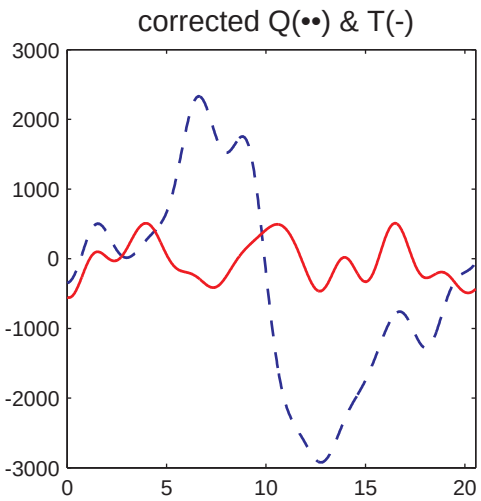


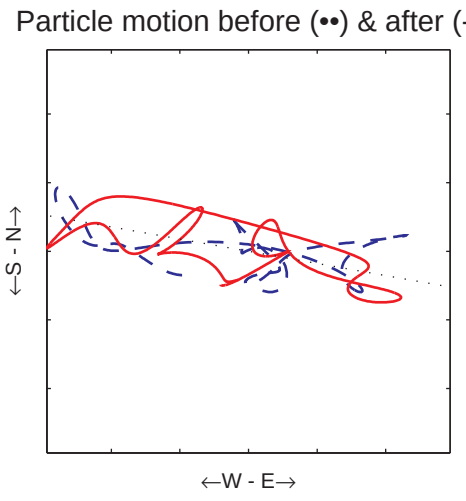


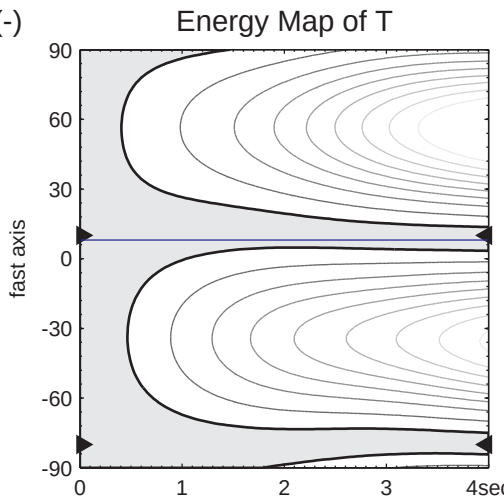


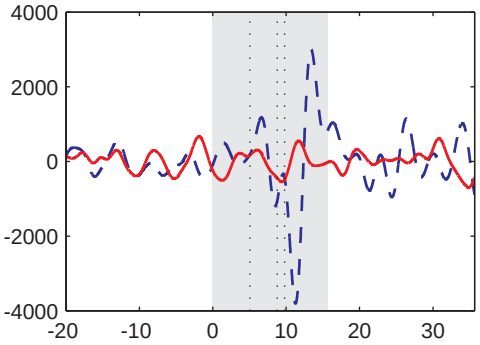








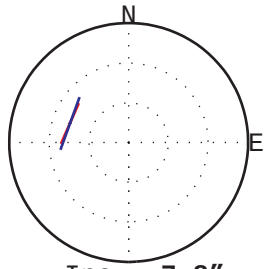




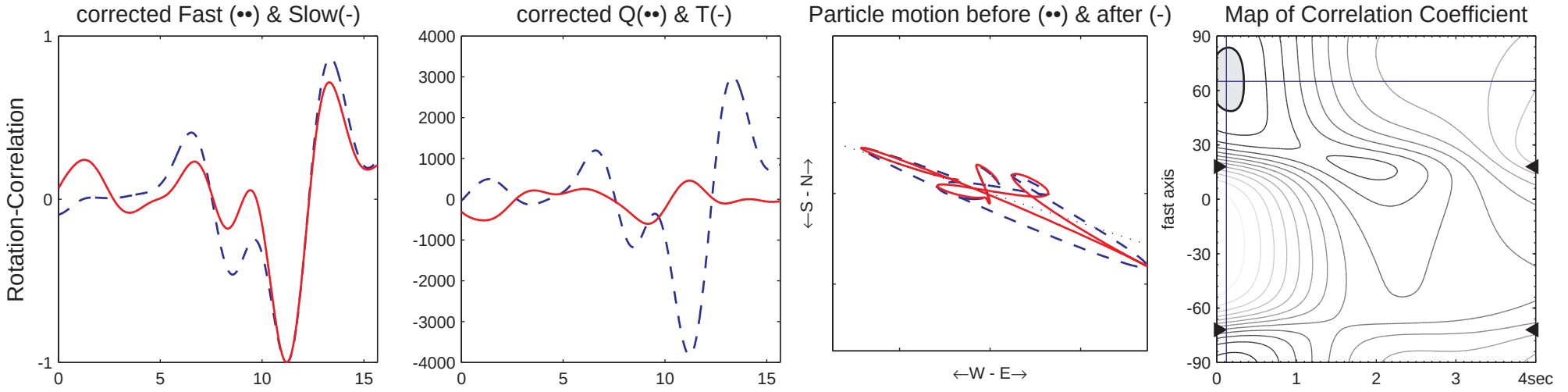
Event: **18-Mar-2007 (077) 02:11 4.58N -78.52E 8km Mw=6.4**
Station: **MERS** Backazimuth: **288.0”** Distance: **105.32”**
init.Pol.: **102.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

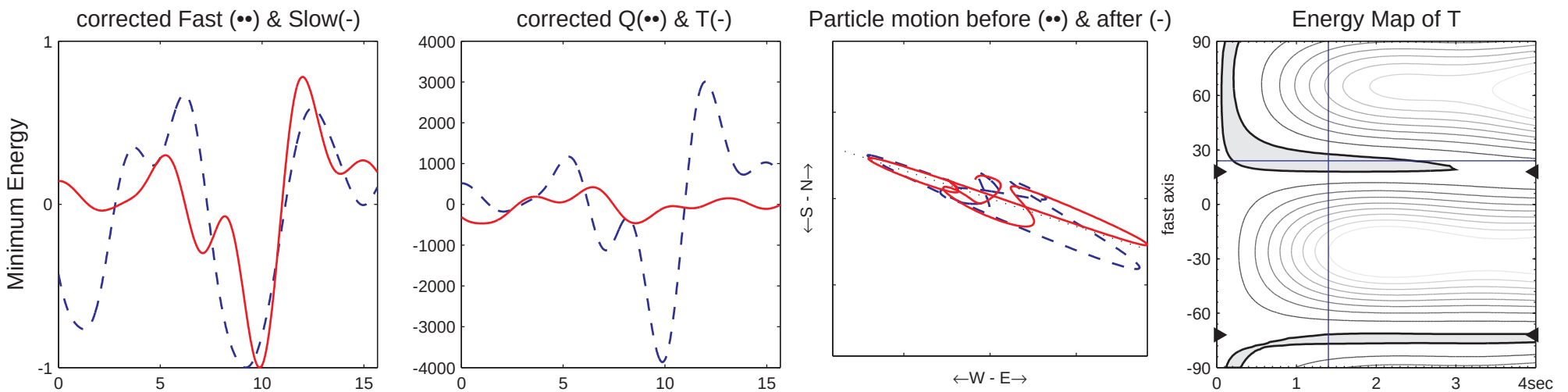
Rotation Correlation:	49<	65° <	84	0.0<0.1s<0.4
Minimum Energy:	17<	24° <	-74	0.0<1.4s<4.0
Eigenvalue:	13<	20° <	27	0.6<1.8s<2.5

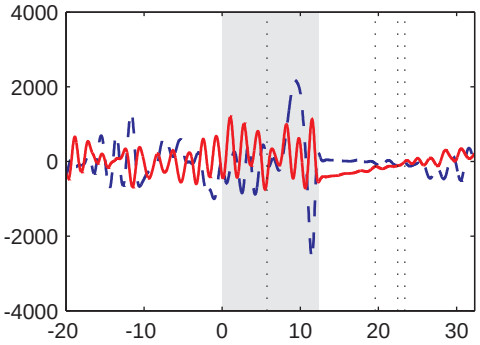
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.8”**



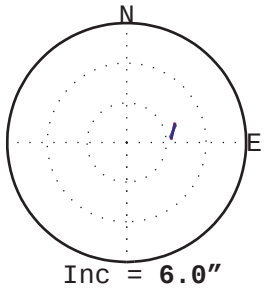


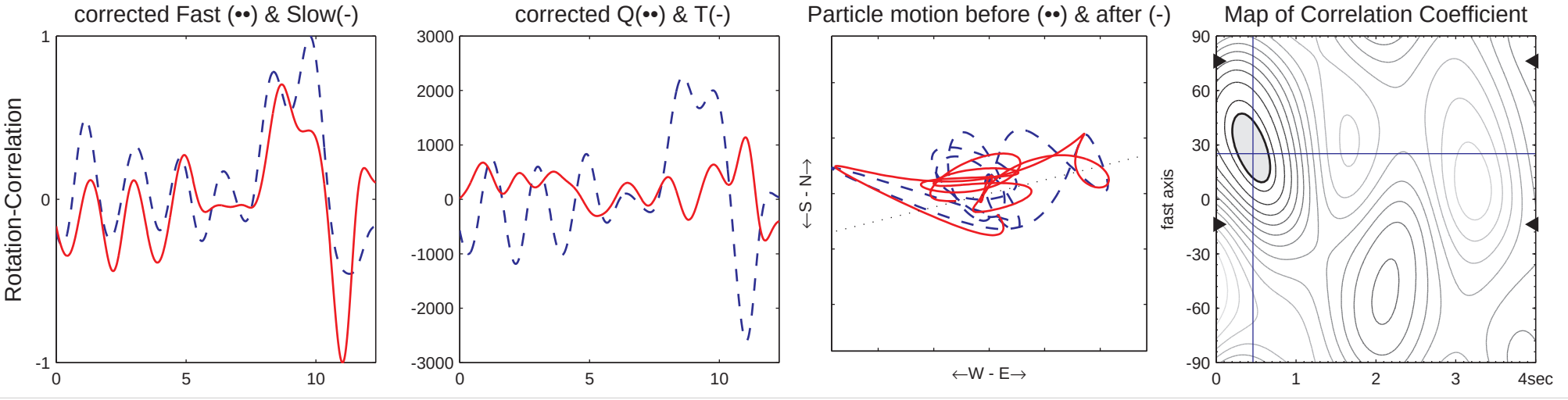


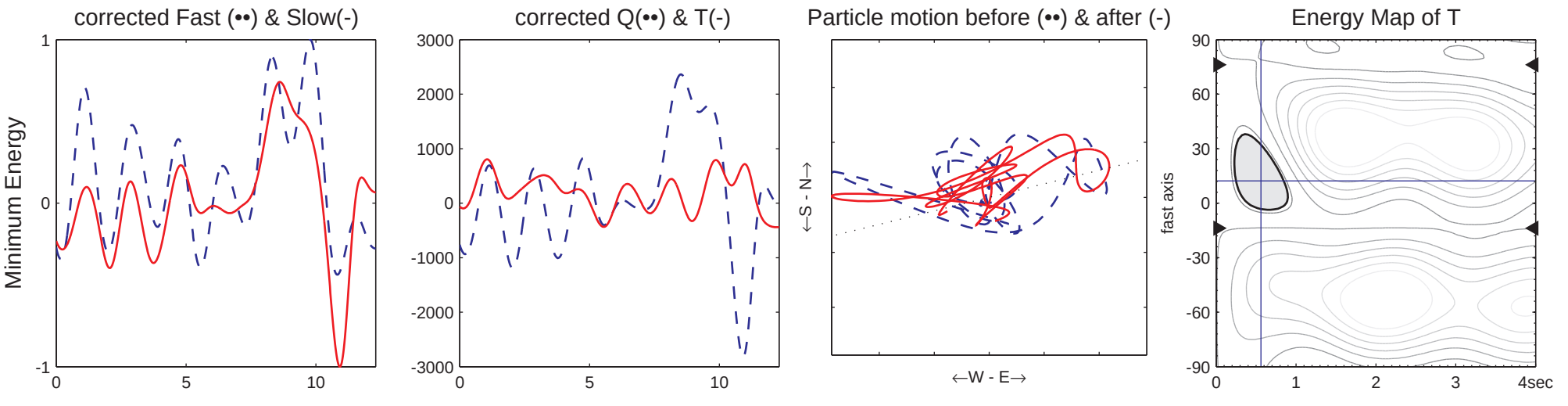
Event: **04-Apr-2007 (094) 06:34 -7.78N 156.49E 31km Mw=6.4**
Station: **MERS** Backazimuth: **76.2”** Distance: **120.06”**
init.Pol.: **258.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.3**

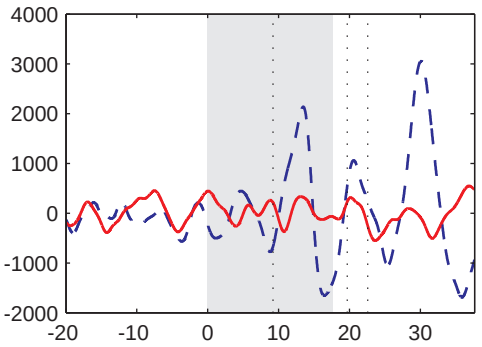
Rotation Correlation:	10<	25° <	48	0.2<0.5s<0.7
Minimum Energy:	-3<	12° <	37	0.2<0.6s<0.9
Eigenvalue:	-3<	14° <	43	0.2<0.5s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





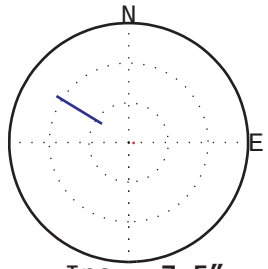




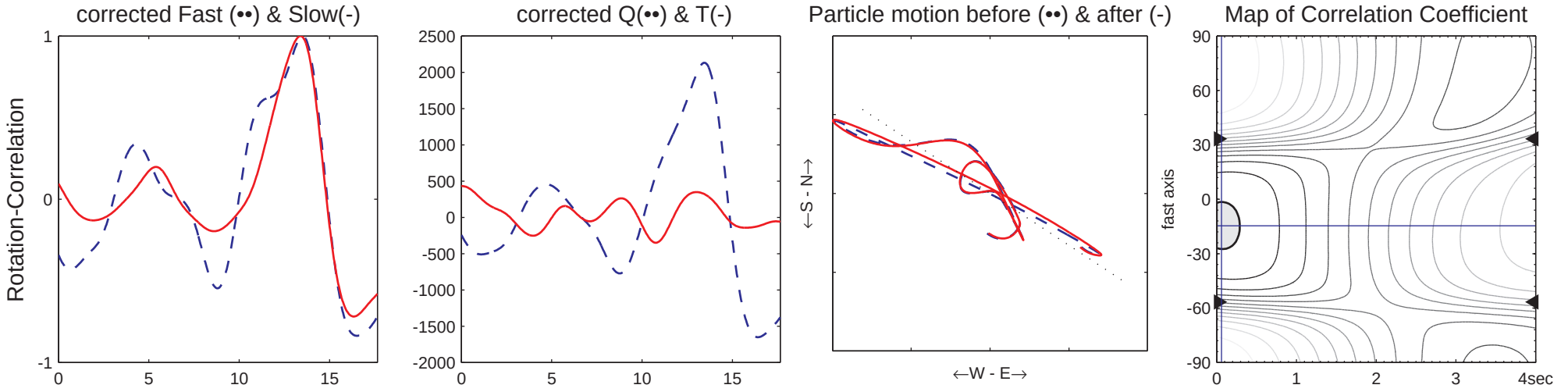
Event: **13-Jun-2007 (164) 19:29 13.55N -90.62E 23km Mw=6.7**
Station: **MERS** Backazimuth: **303.3”** Distance: **107.89”**
init.Pol.: **117.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

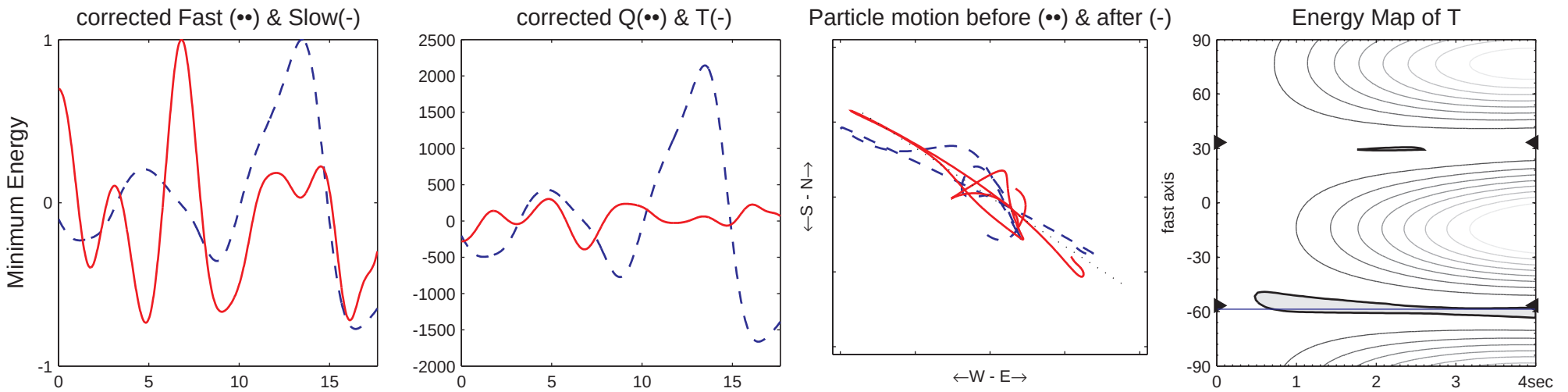
Rotation Correlation:	-29< -15° < -3	0.0<0.1s<0.3
Minimum Energy:	-66< -59° < -52	0.5<4.0s<4.0
Eigenvalue:	-70< -59° < -52	0.4<1.7s<4.0

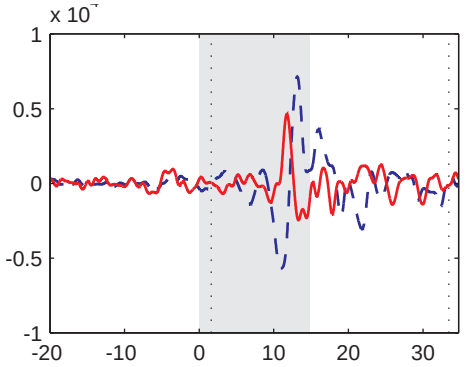
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.5”**



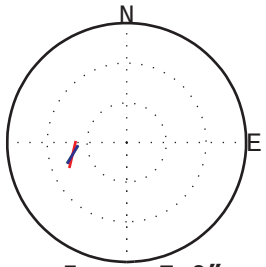


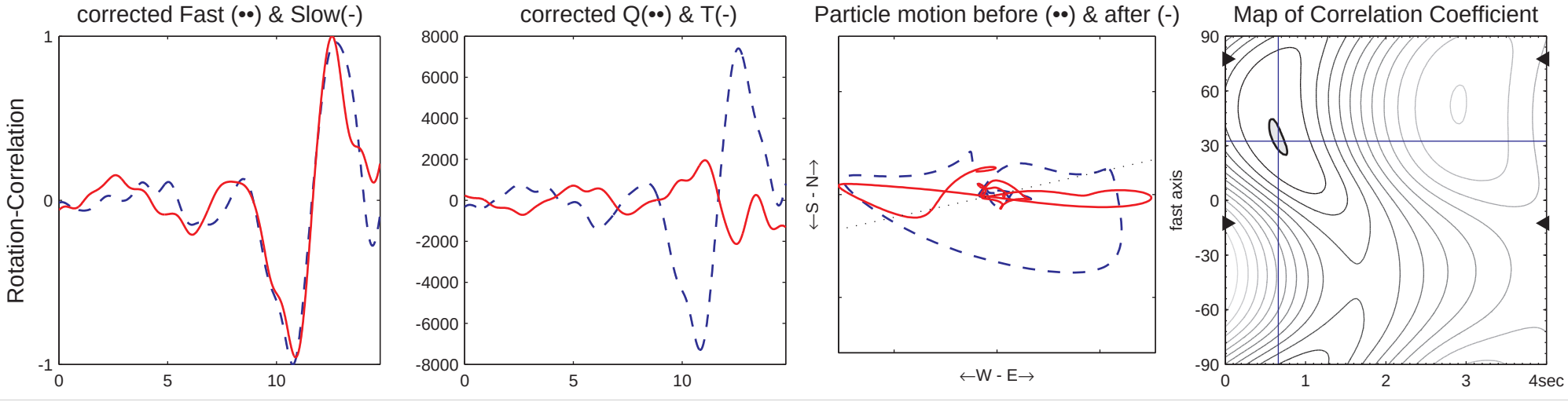


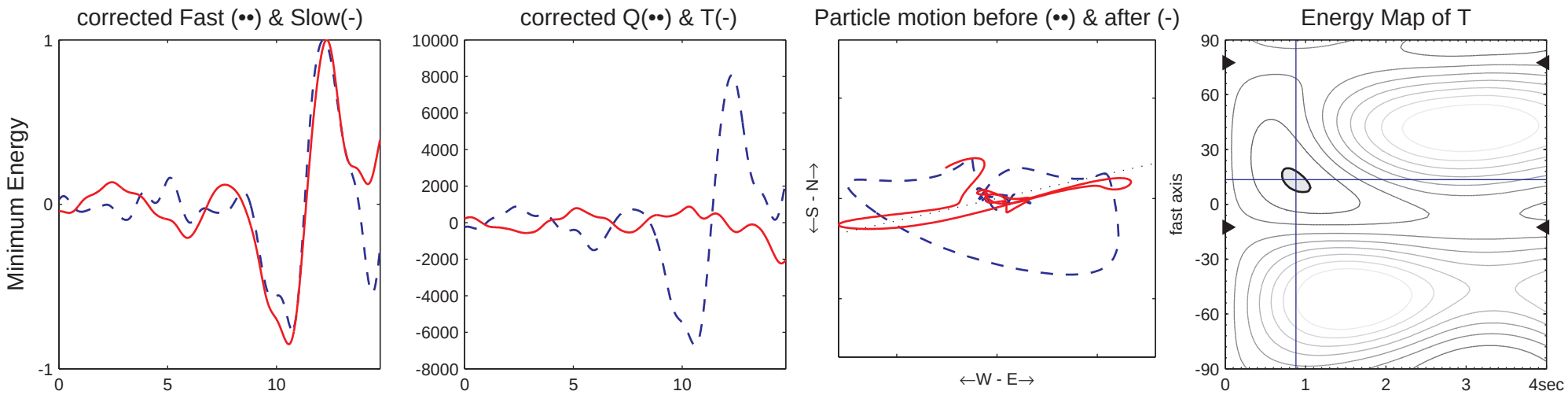
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **MERS** Backazimuth: **257.5”** Distance: **111.09”**
init.Pol.: **89.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.7**

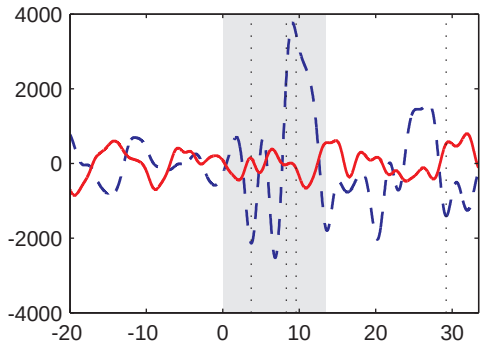
Rotation Correlation:	25<	32° <	45	0.6<0.7s<0.8
Minimum Energy:	7<	13° <	19	0.7<0.9s<1.1
Eigenvalue:	19<	29° <	43	0.6<0.7s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





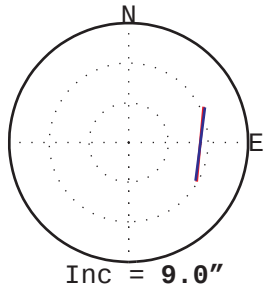


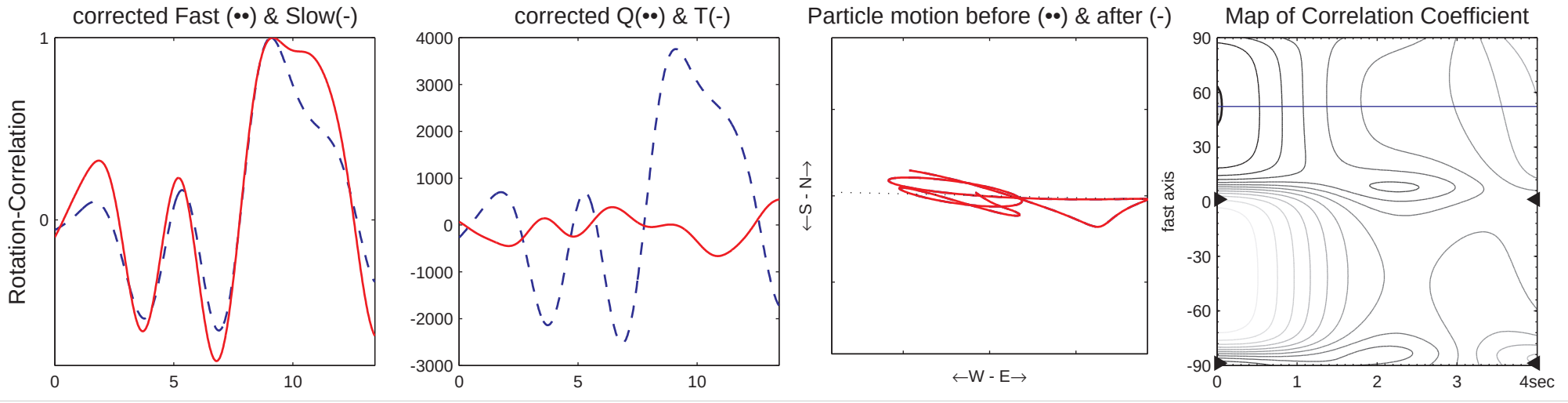


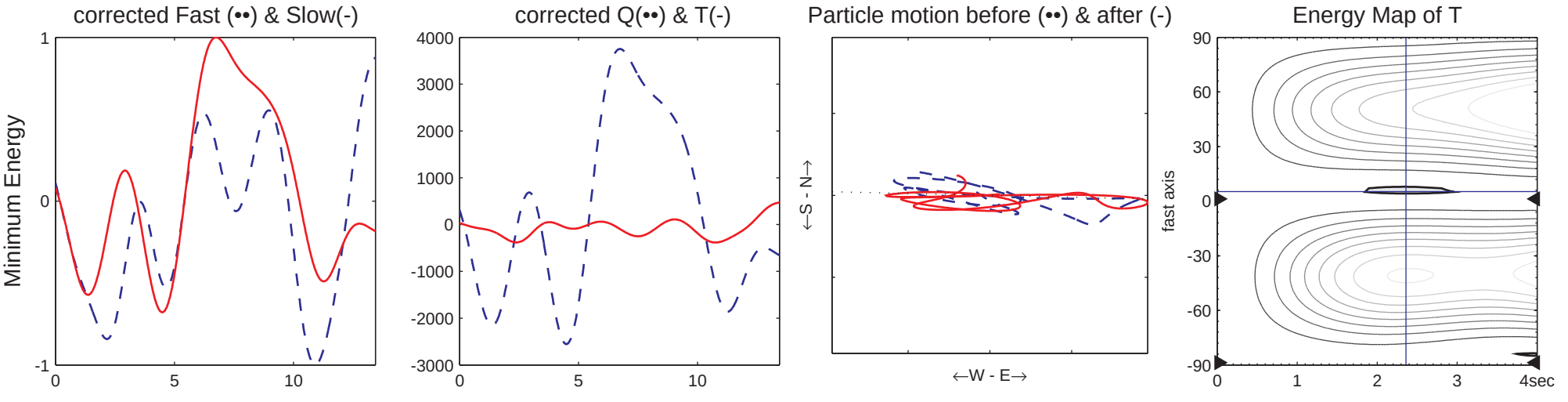
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **MERS** Backazimuth: **91.3”** Distance: **97.07”**
init.Pol.: **272.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.2**

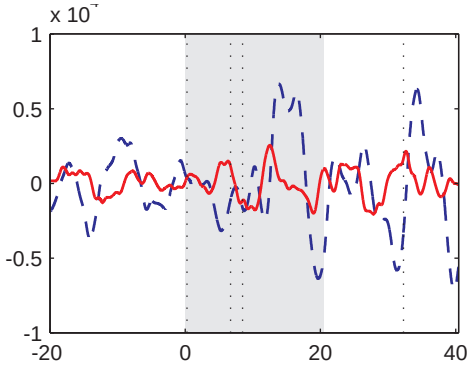
Rotation Correlation:	43<	52° <	64	0.0<0.0s<0.1
Minimum Energy:	5<	5° <	7	1.8<2.4s<3.0
Eigenvalue:	3<	7° <	9	1.8<2.3s<2.8

Quality: **good** IsNull: **Yes** Phase: **SKS**





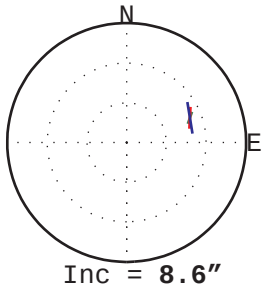


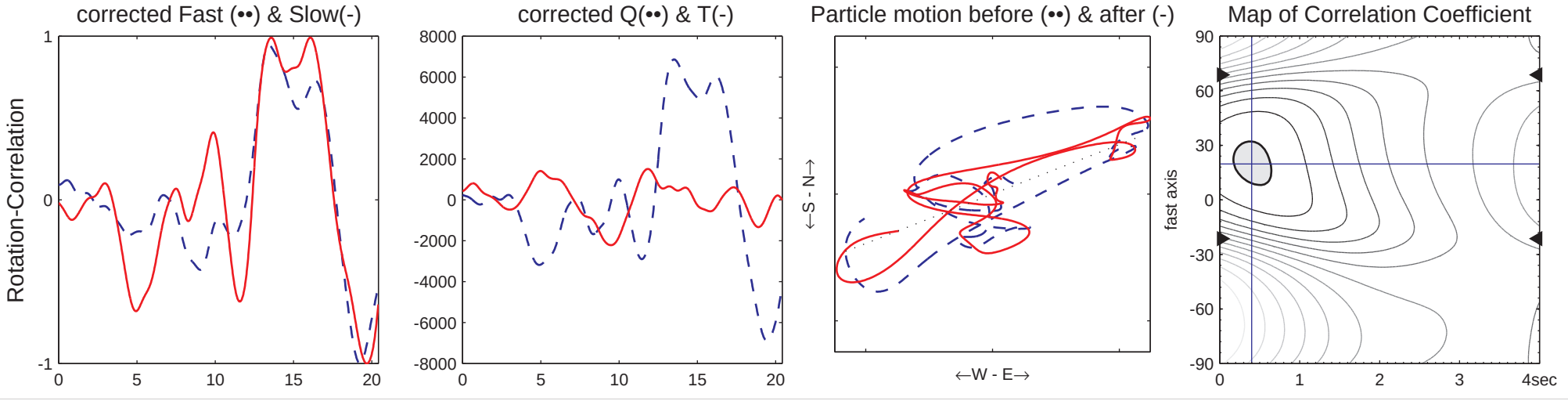


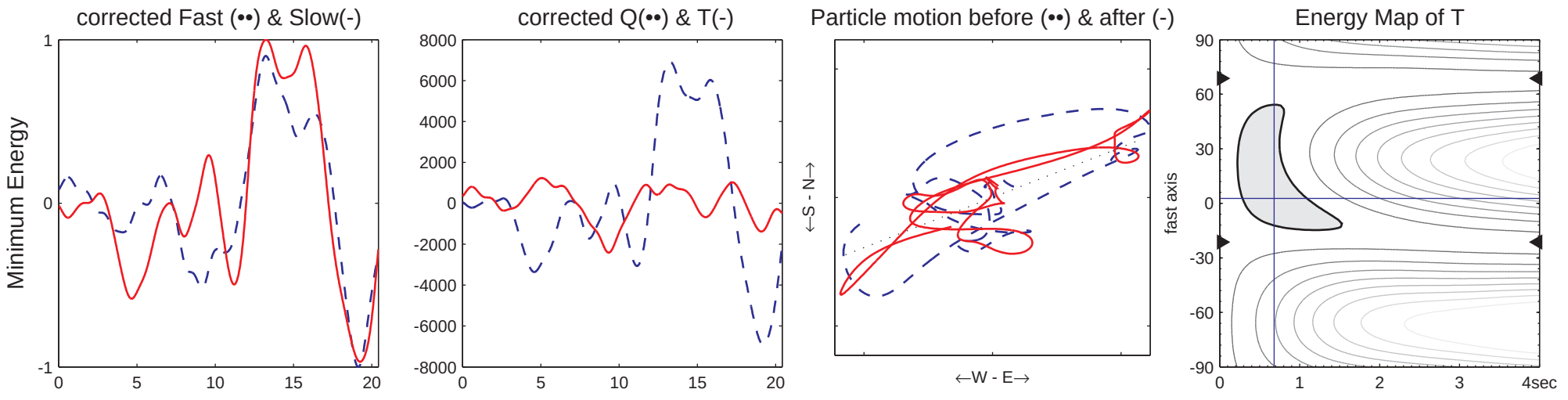
Event: **30-Sep-2007 (273) 02:08 10.46N 145.68E 14km Mw=7.1**
Station: **MERS** Backazimuth: **68.7”** Distance: **100.08”**
init.Pol.: **242.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.0**

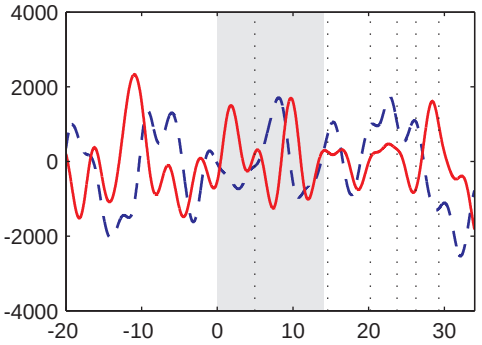
Rotation Correlation:	9<	20° <	32	0.2<0.4s<0.6
Minimum Energy:	-15<	3° <	54	0.2<0.7s<1.5
Eigenvalue:	-25<	-9° <	41	0.3<1.0s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





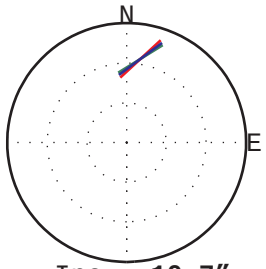




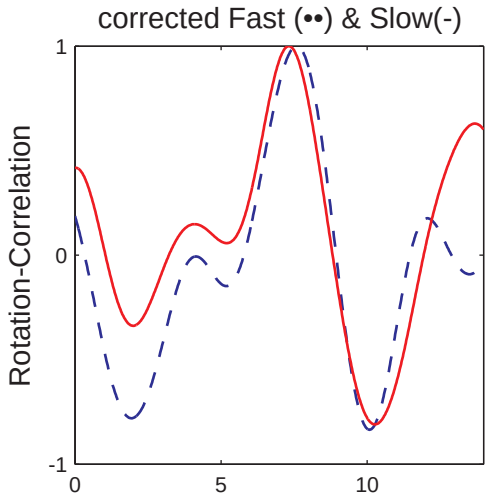
Event: **02-Oct-2007 (275) 18:03 54.44N -161.64E 46km Mw=5.8**
Station: **MERS** Backazimuth: **9.3”** Distance: **87.64”**
init.Pol.: **198.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.9**

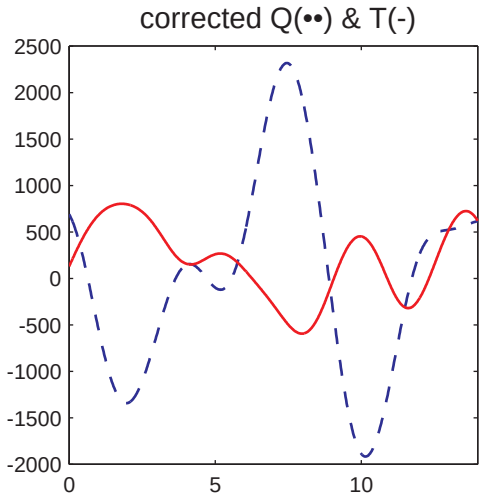
Rotation Correlation:	48<	58° <	71	1.4<1.6s<1.9
Minimum Energy:	37<	47° <	56	1.4<1.7s<2.1
Eigenvalue:	39<	53° <	72	1.3<1.7s<2.0

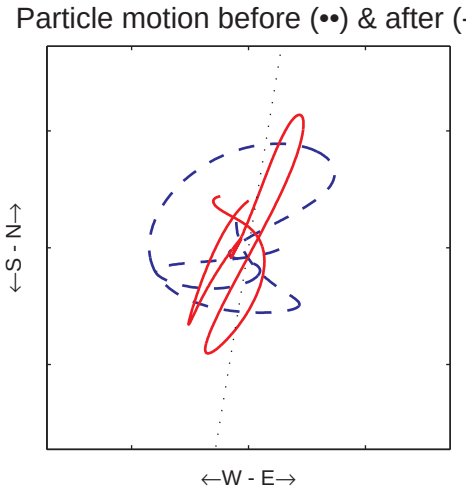
Quality: **fair** IsNull: **No** Phase: **SKS**

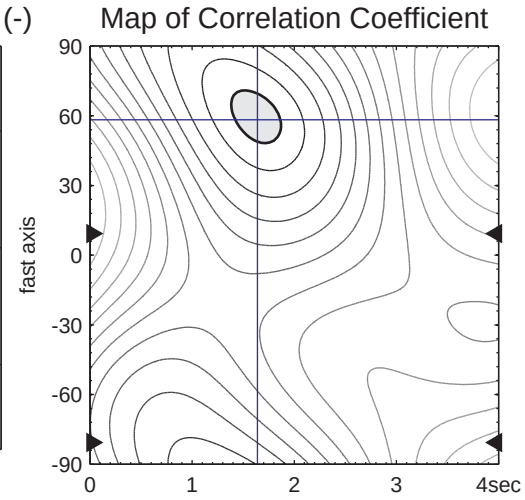


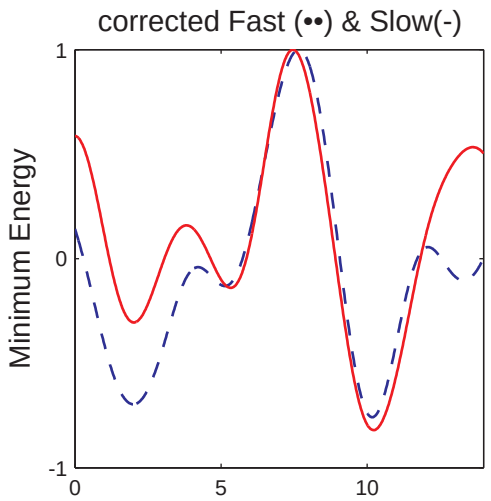
Inc = **10.7”**

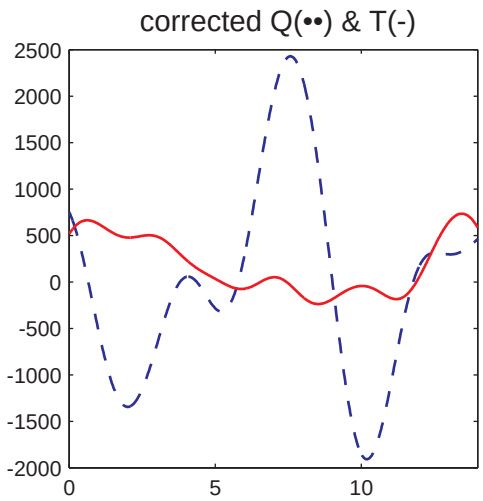


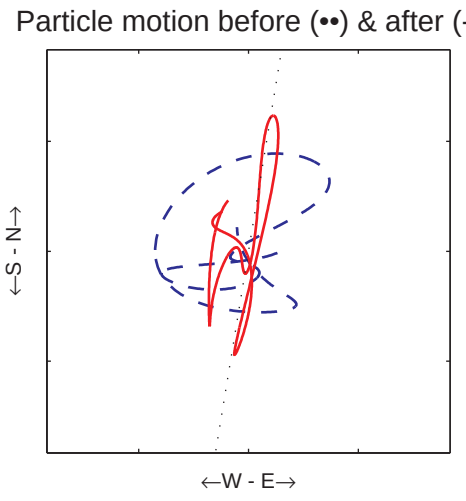


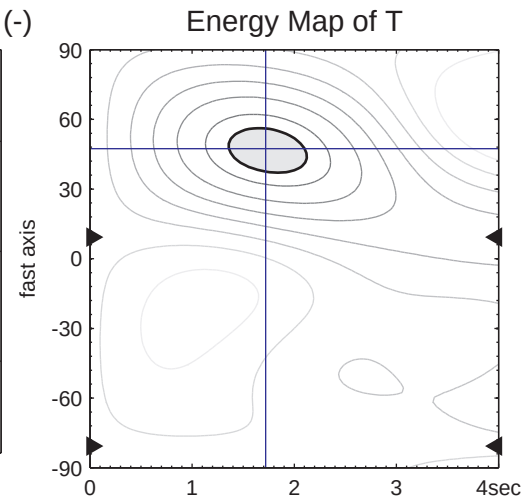


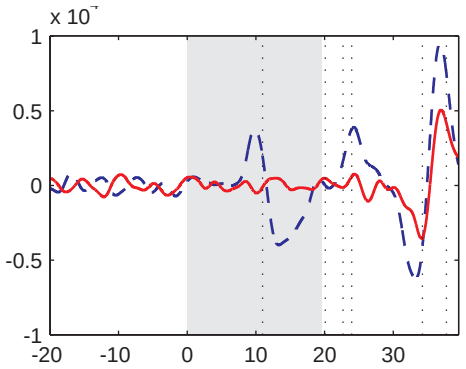








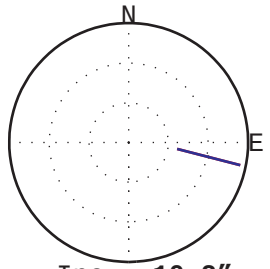




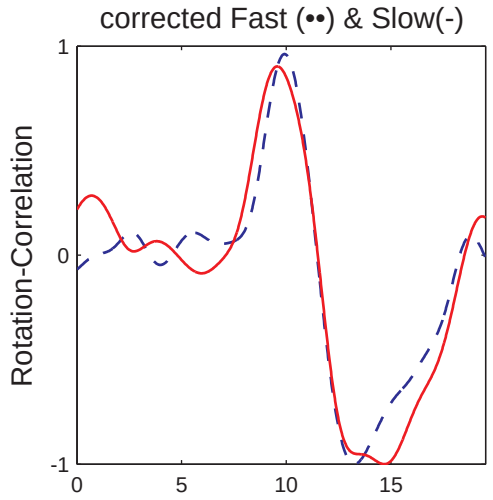
Event: **25-Nov-2007 (329) 16:02 -8.29N 118.37E 20km Mw=6.5**
Station: **MERS** Backazimuth: **100.3”** Distance: **90.10”**
init.Pol.: **279.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.1**

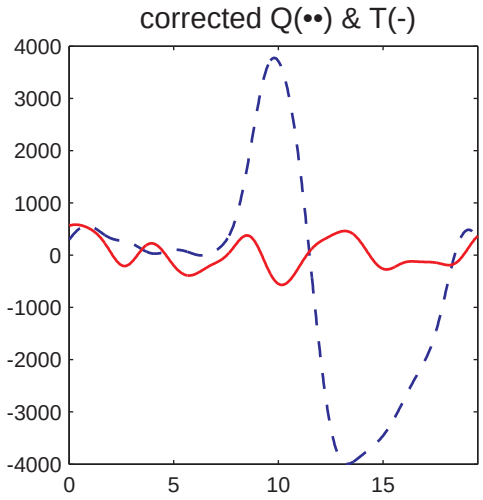
Rotation Correlation:	-44<	-33° <	-24	0.0<0.1s<0.2
Minimum Energy:	-80<	-76° <	-74	1.2<2.0s<2.9
Eigenvalue:	-82<	-76° <	-74	1.2<2.0s<3.1

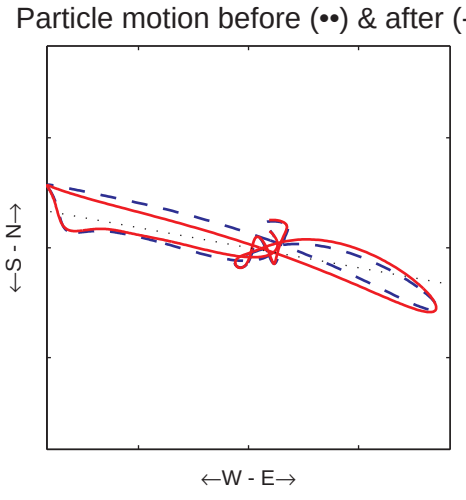
Quality: **good** IsNull: **Yes** Phase: **SKS**

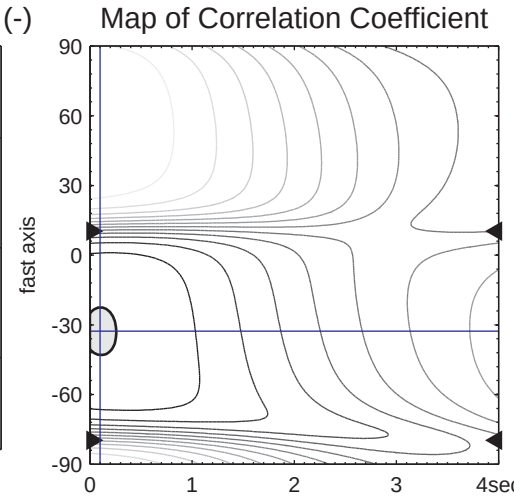


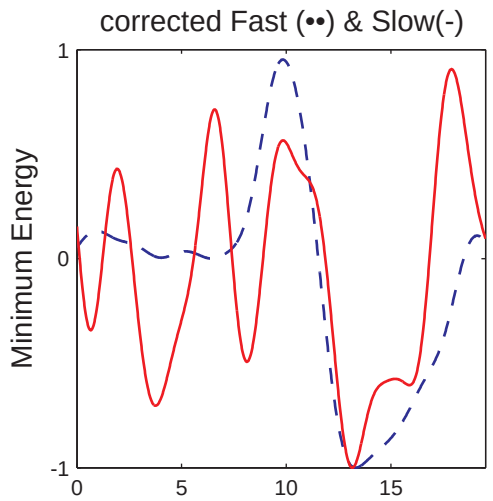
Inc = **10.2”**

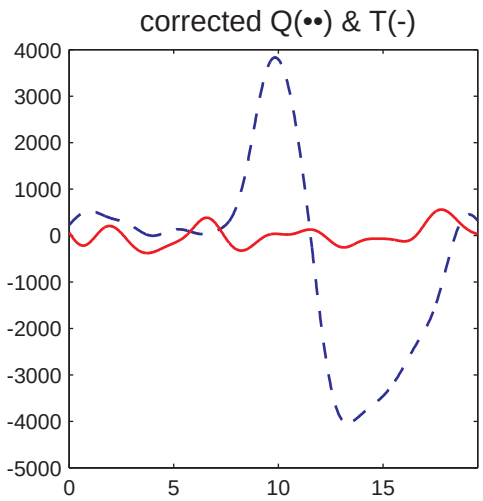


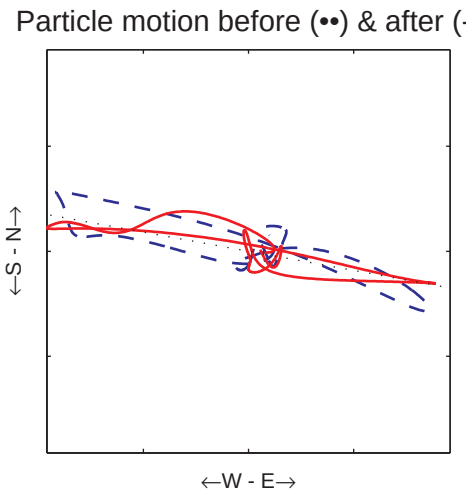


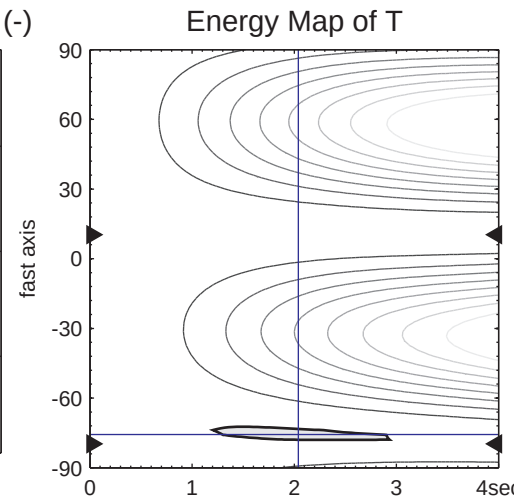


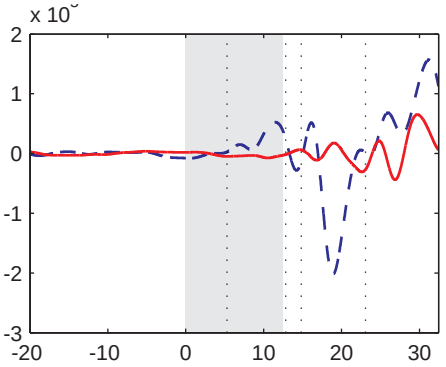








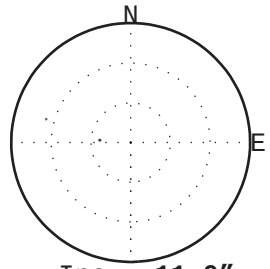




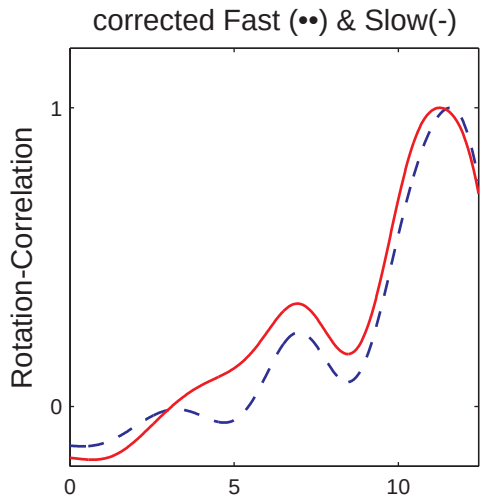
Event: **29-Nov-2007 (333) 19:00 14.94N -61.27E 156km Mw=7.4**
Station: **MERS** Backazimuth: **285.4”** Distance: **85.60”**
init.Pol.: **104.3”** Filter: **0.010Hz - 0.30Hz** SNR_{SC}:**20.2**

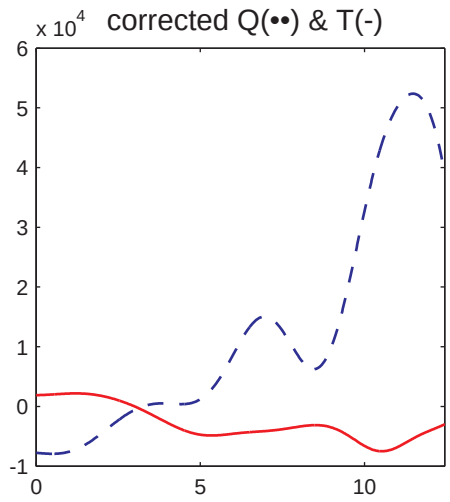
Rotation Correlation:	32<	69° < -75	0.0<0.0s<0.7
Minimum Energy:	-Inf<	-69° < Inf	0.0<3.6s<Inf
Eigenvalue:	-76<	-69° < 23	0.0<3.6s<4.0

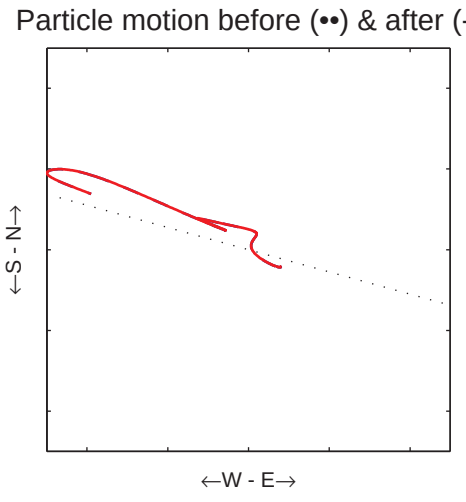
Quality: **good** IsNull: **Yes** Phase: **SKS**

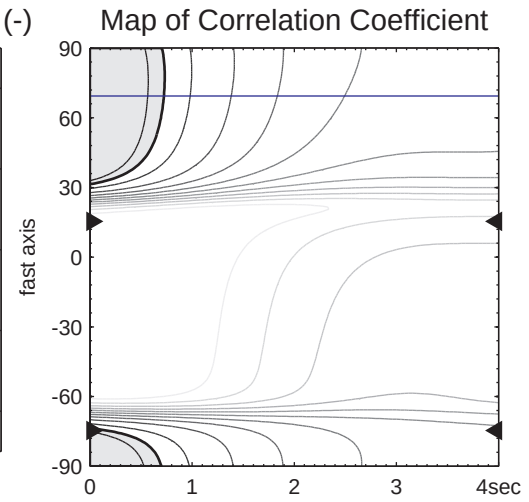


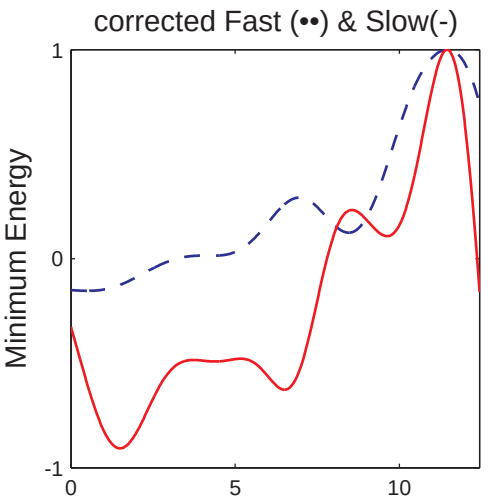
Inc = **11.0”**

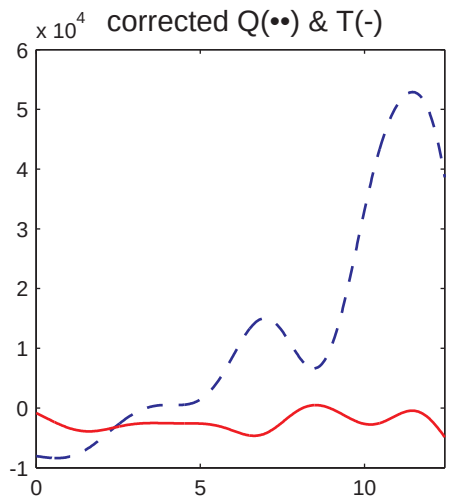


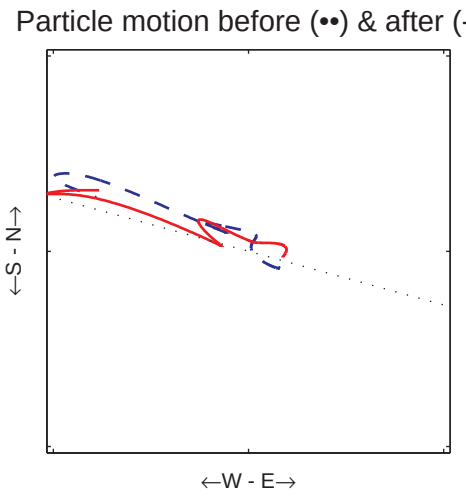


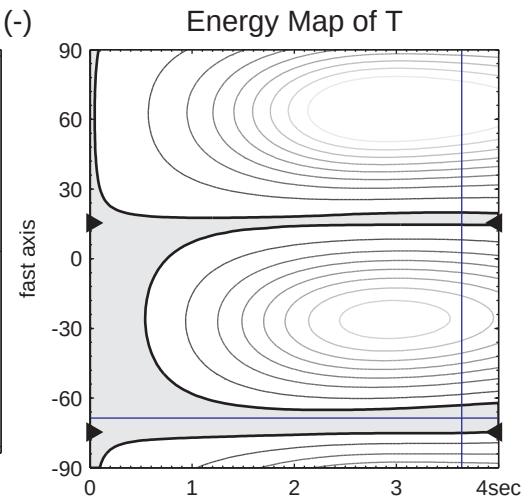


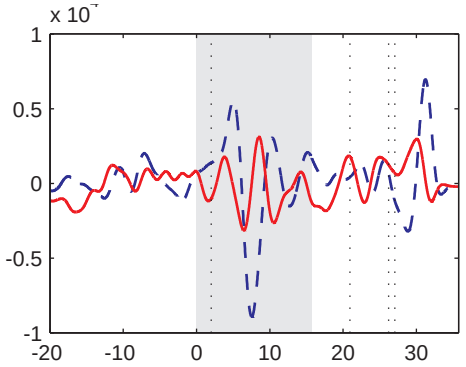








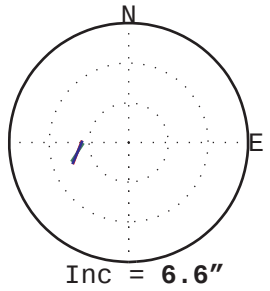


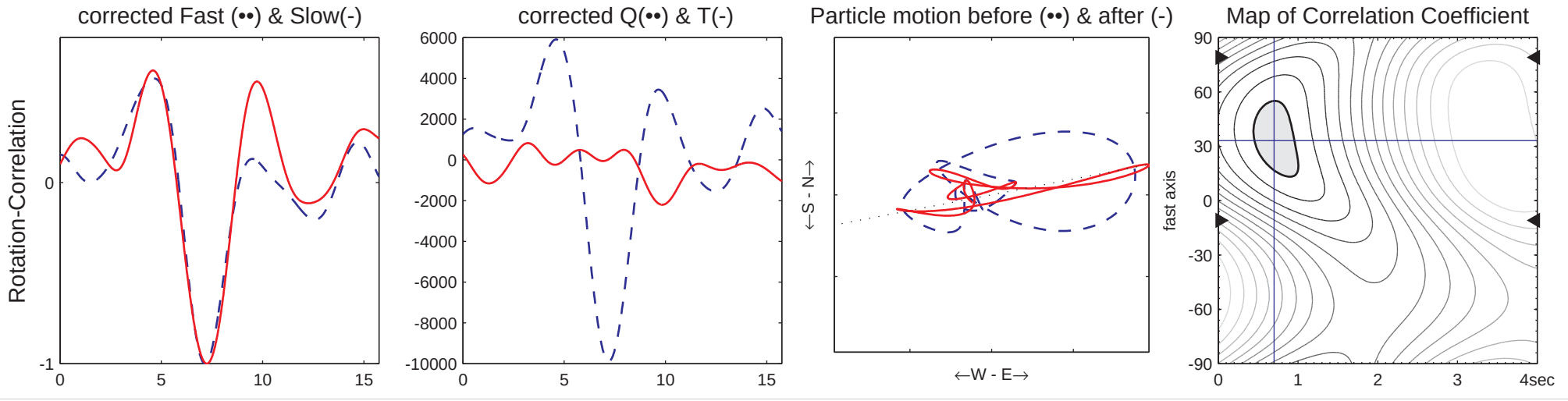


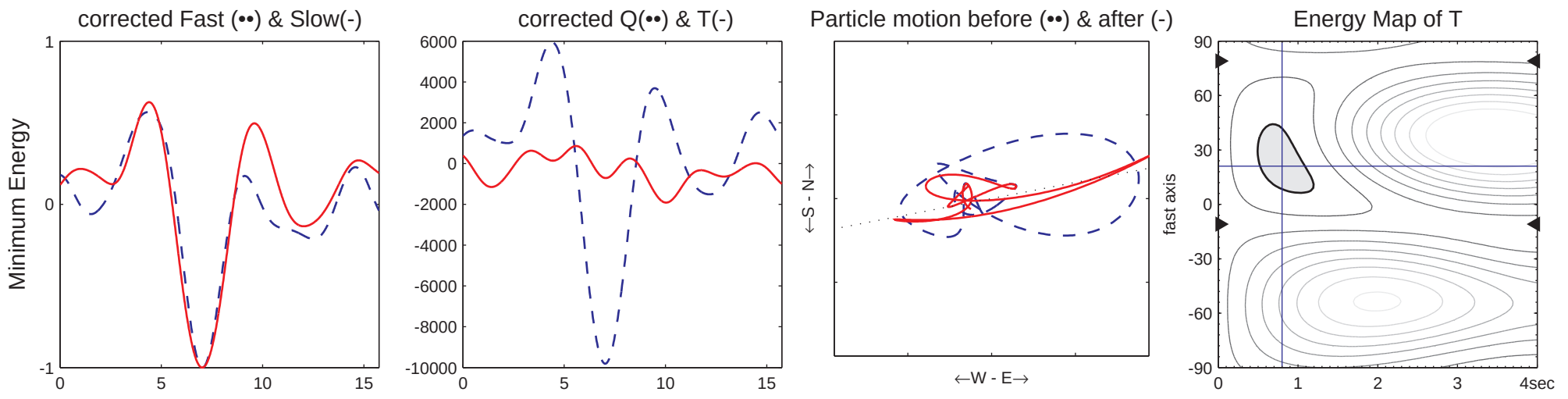
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **MERS** Backazimuth: **259.1”** Distance: **114.90”**
init.Pol.: **79.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

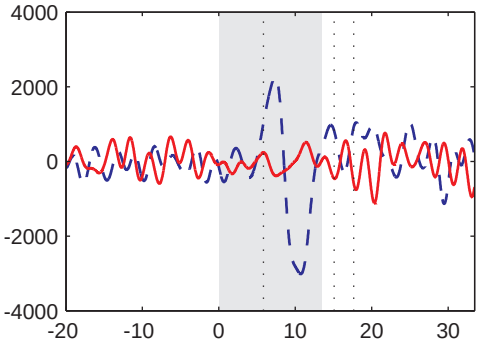
Rotation Correlation:	14<	33° <	55	0.4<0.7s<1.0
Minimum Energy:	7<	21° <	43	0.5<0.8s<1.2
Eigenvalue:	1<	23° <	58	0.5<0.8s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





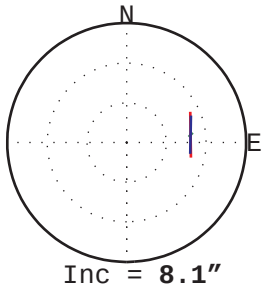




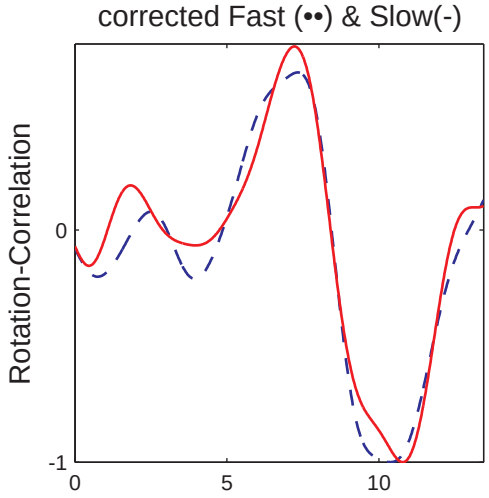
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **MERS** Backazimuth: **83.1”** Distance: **103.06”**
init.Pol.: **265.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.3**

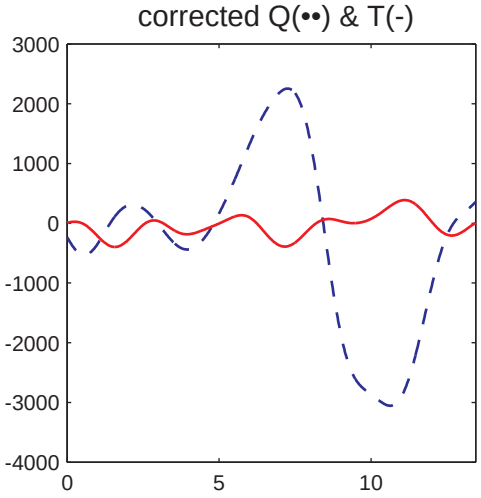
Rotation Correlation:	29<	42° <	57	0.0<0.2s<0.3
Minimum Energy:	-5<	-1° <	3	0.7<1.4s<2.2
Eigenvalue:	-3<	1° <	70	0.2<1.2s<2.0

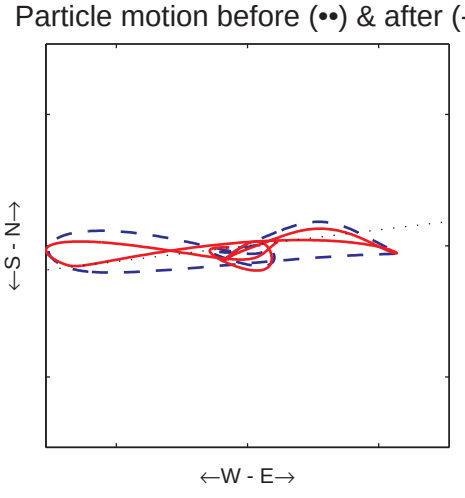
Quality: **good** IsNull: **Yes** Phase: **SKS**

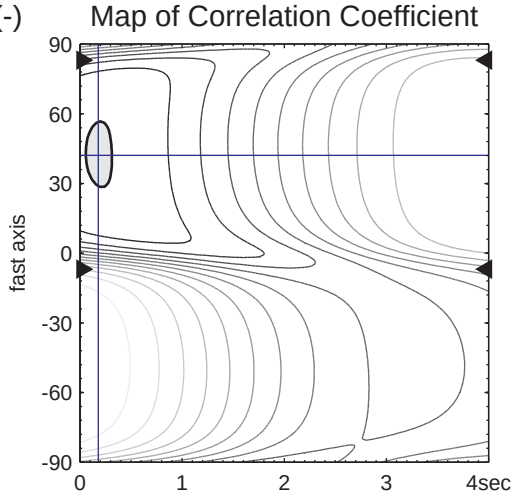


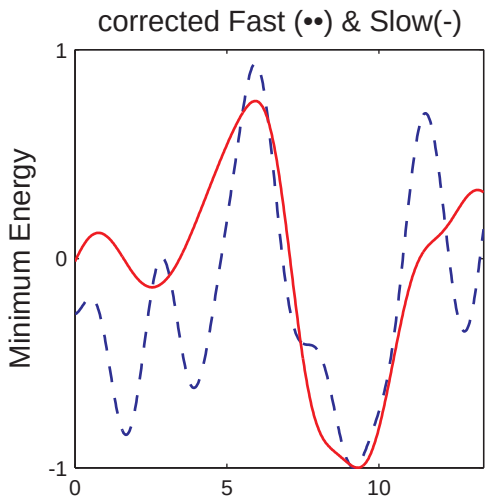
Inc = **8.1”**

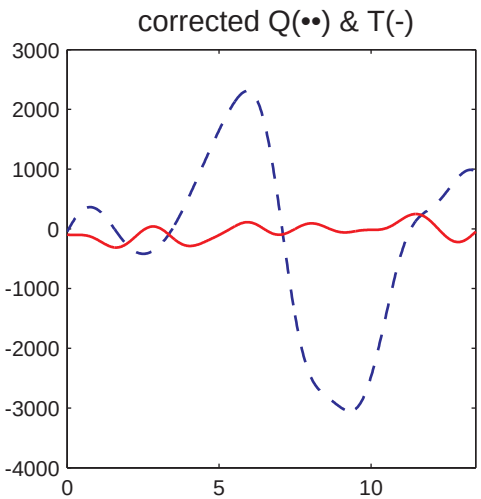


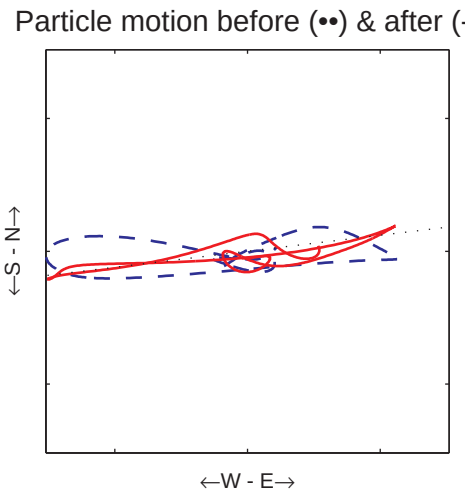


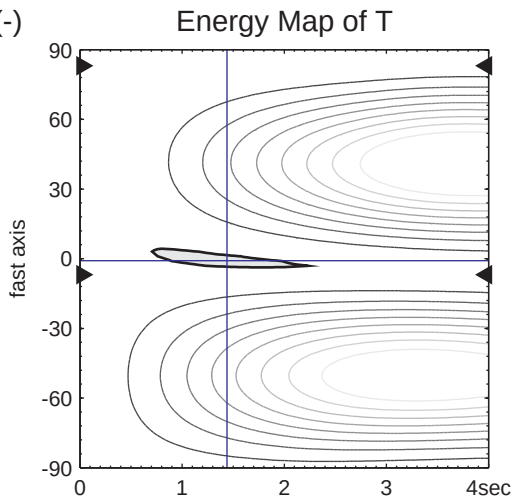


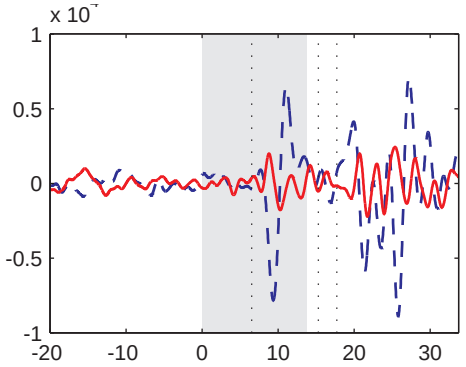








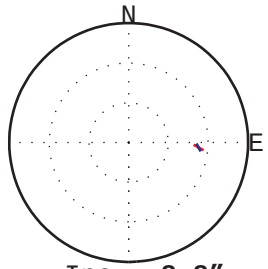


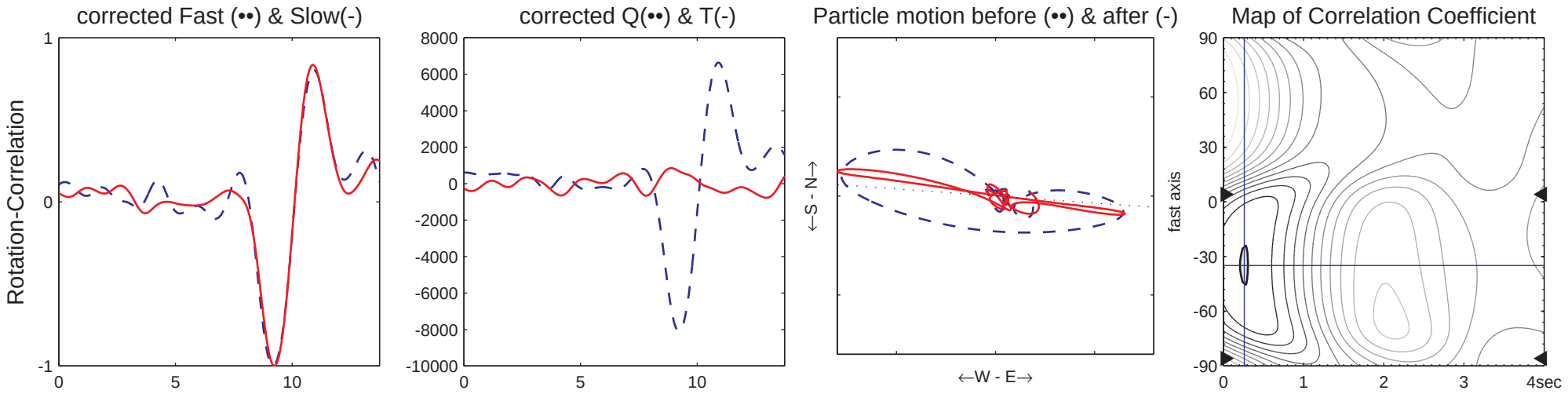


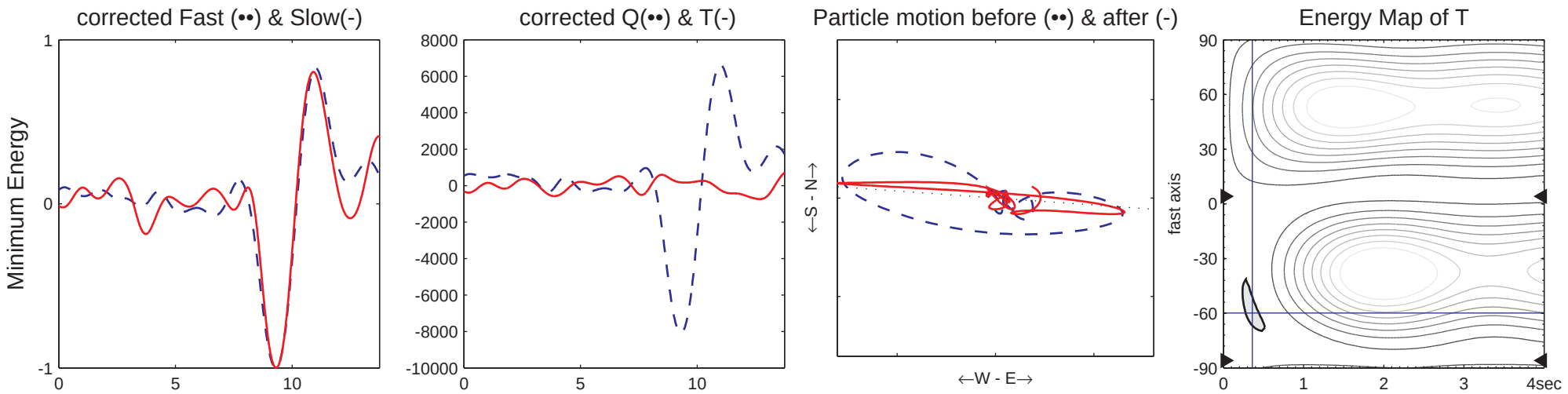
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **MERS** Backazimuth: **94.1”** Distance: **98.17”**
init.Pol.: **280.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.5**

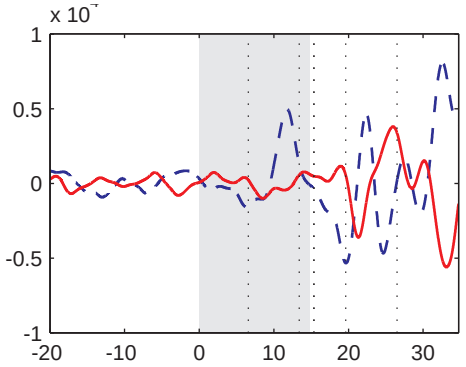
Rotation Correlation:	-47< -35° < -25	0.2<0.3s<0.3
Minimum Energy:	-72< -60° < -43	0.2<0.4s<0.5
Eigenvalue:	-58< -28° < -11	0.2<0.3s<0.4

Quality: **fair** IsNull: **No** Phase: **SKS**





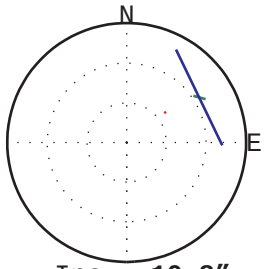




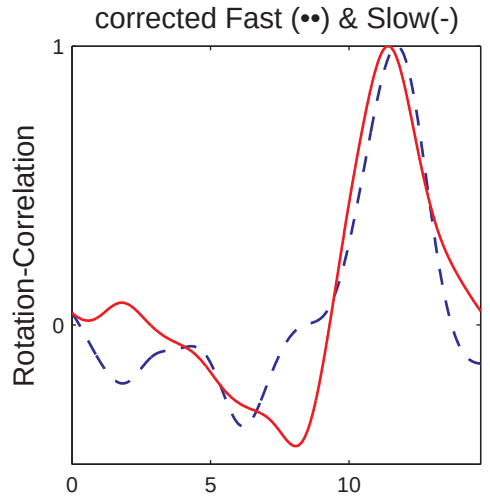
Event: **27-Feb-2008 (058) 06:54 26.82N 142.44E 15km Mw=6.2**
Station: **MERS** Backazimuth: **58.2”** Distance: **87.08”**
init.Pol.: **257.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

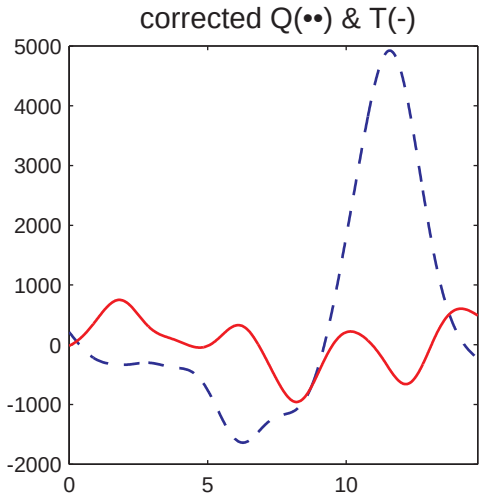
Rotation Correlation:	83<	-75° <	-55	0.0<0.4s<1.0
Minimum Energy:	62<	66° <	88	0.5<2.4s<3.8
Eigenvalue:	-31<	-26° <	-21	2.8<3.3s<3.8

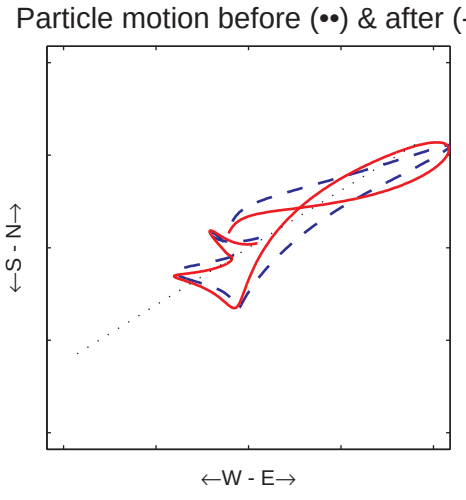
Quality: **good** IsNull: **Yes** Phase: **SKS**

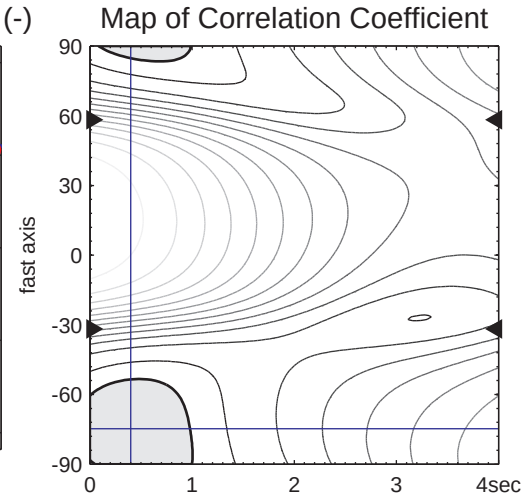


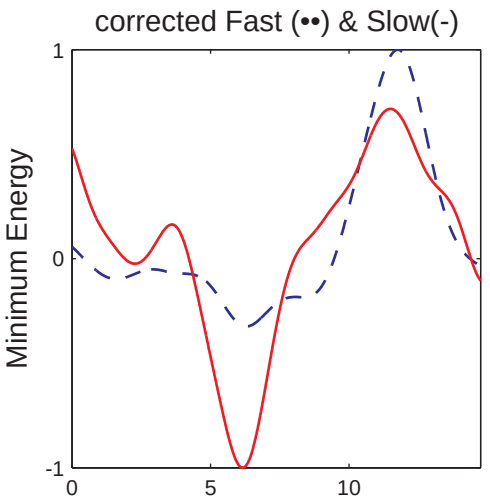
Inc = **10.8”**

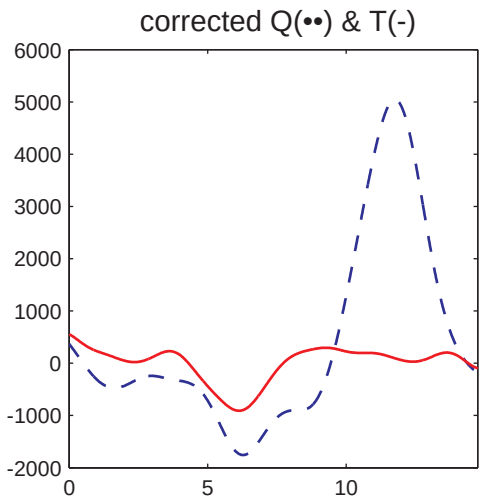


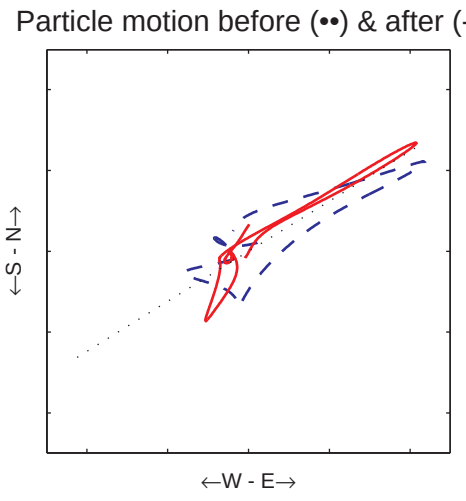


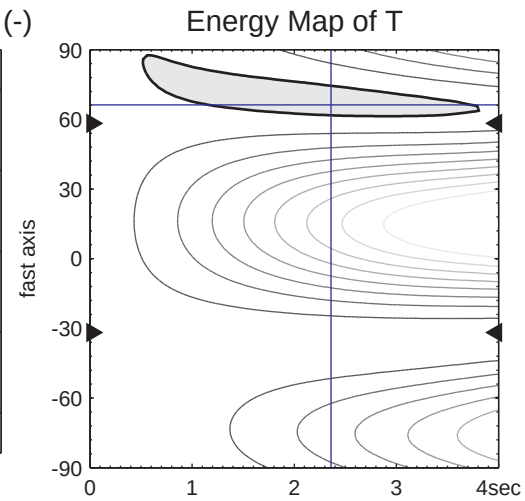


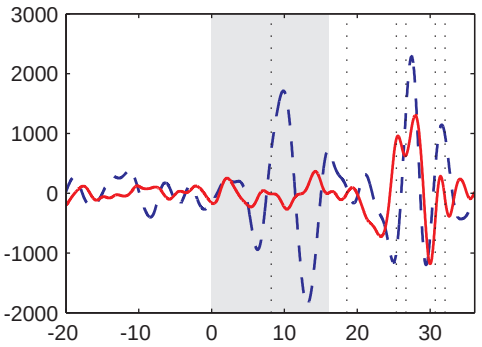








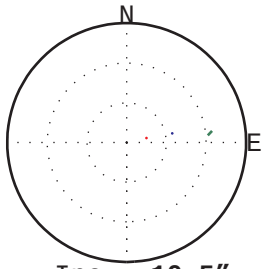




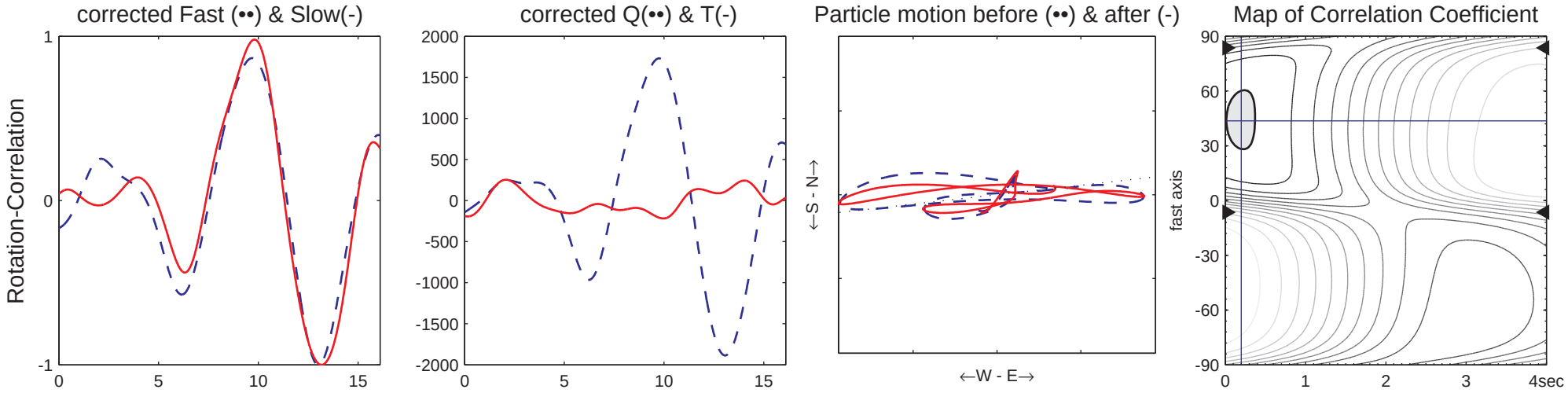
Event: **20-Mar-2008 (080) 14:10 6.19N 126.93E 45km Mw=6.1**
Station: **MERS** Backazimuth: **83.6”** Distance: **88.21”**
init.Pol.: **274.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

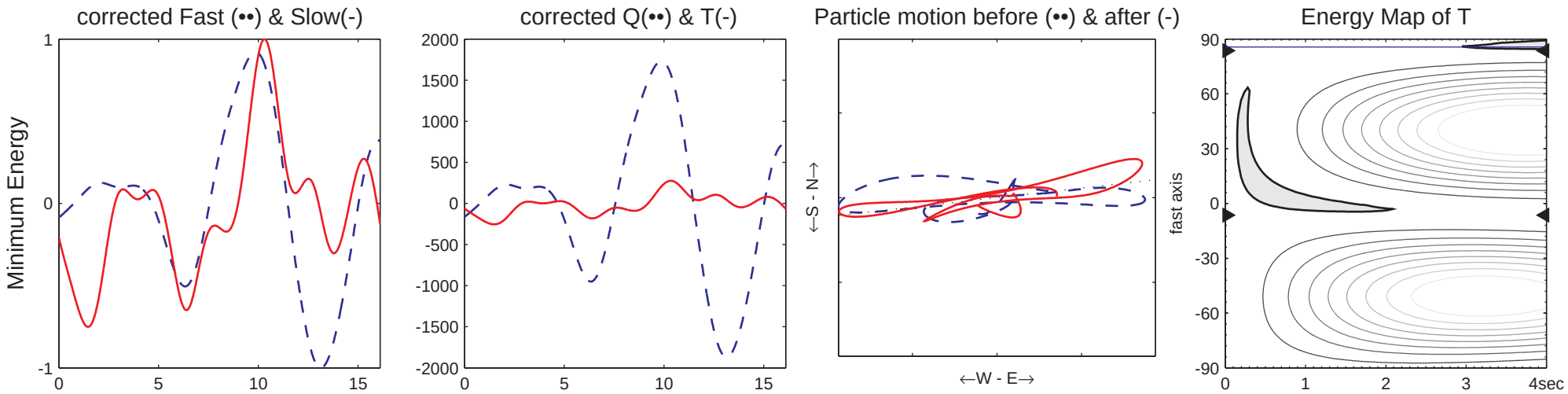
Rotation Correlation:	28<	44° <	61	0.0<0.2s<0.4
Minimum Energy:	84<	86° <	-92	3.0<4.0s<4.0
Eigenvalue:	5<	90° <	-88	0.2<2.4s<3.2

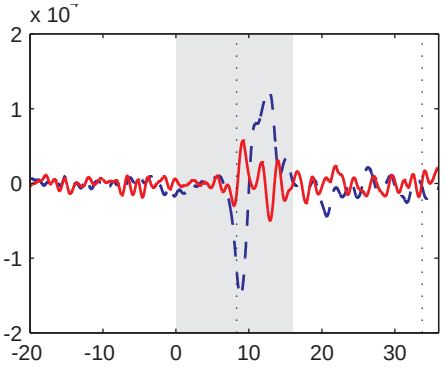
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.5”**



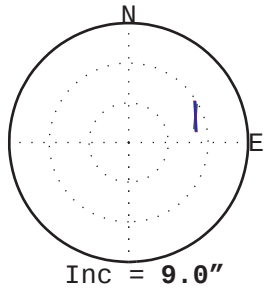


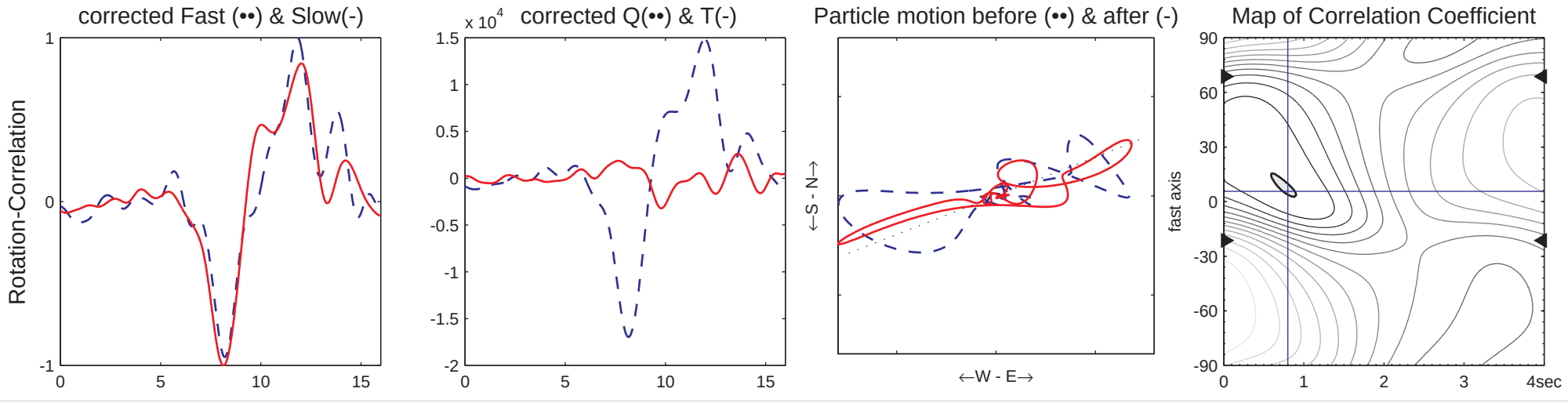


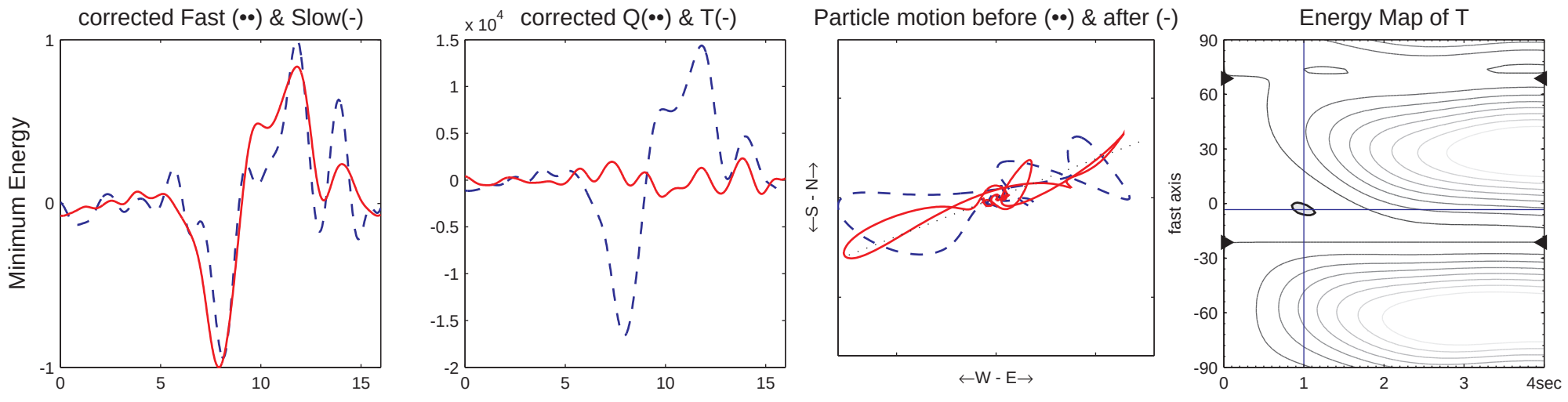
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **MERS** Backazimuth: **68.7”** Distance: **96.88”**
init.Pol.: **251.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.4**

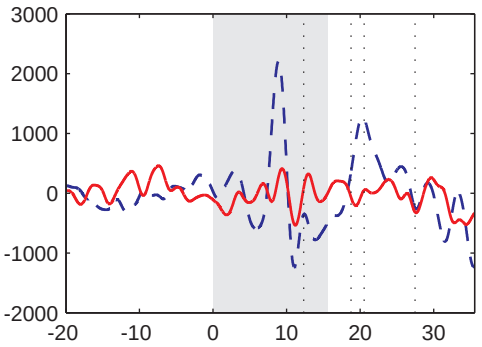
Rotation Correlation:	3<	6° <	16	0.6<0.8s<0.9
Minimum Energy:	-9<	-3° <	-1	0.8<1.0s<1.2
Eigenvalue:	-7<	-1° <	1	0.8<1.0s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





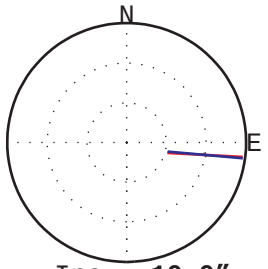




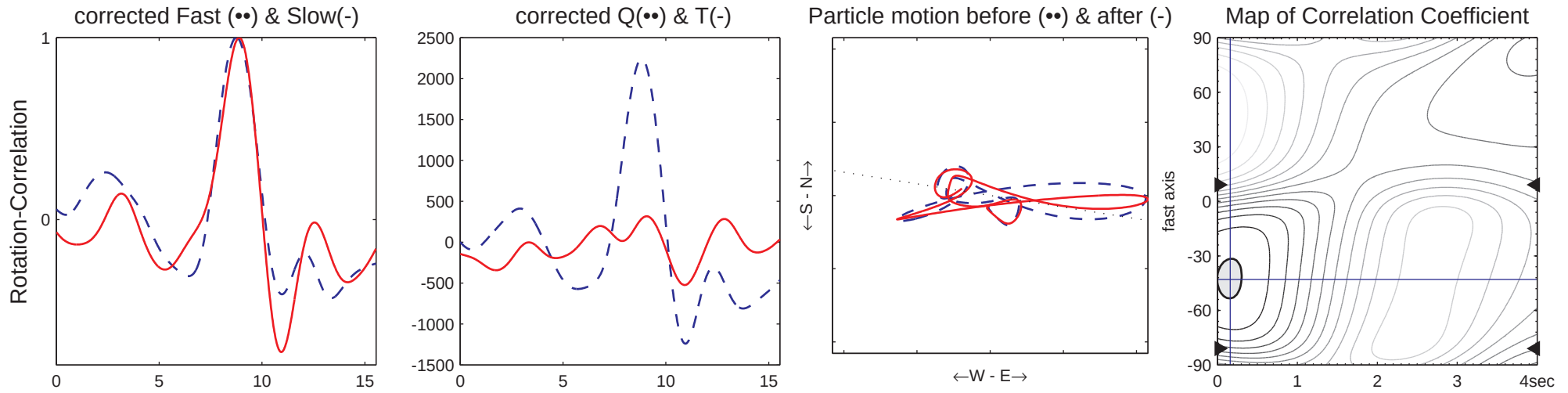
Event: **03-Jun-2008 (155) 22:04 -8.10N 120.23E 14km Mw=6.0**
Station: **MERS** Backazimuth: **99.0”** Distance: **91.45”**
init.Pol.: **284.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

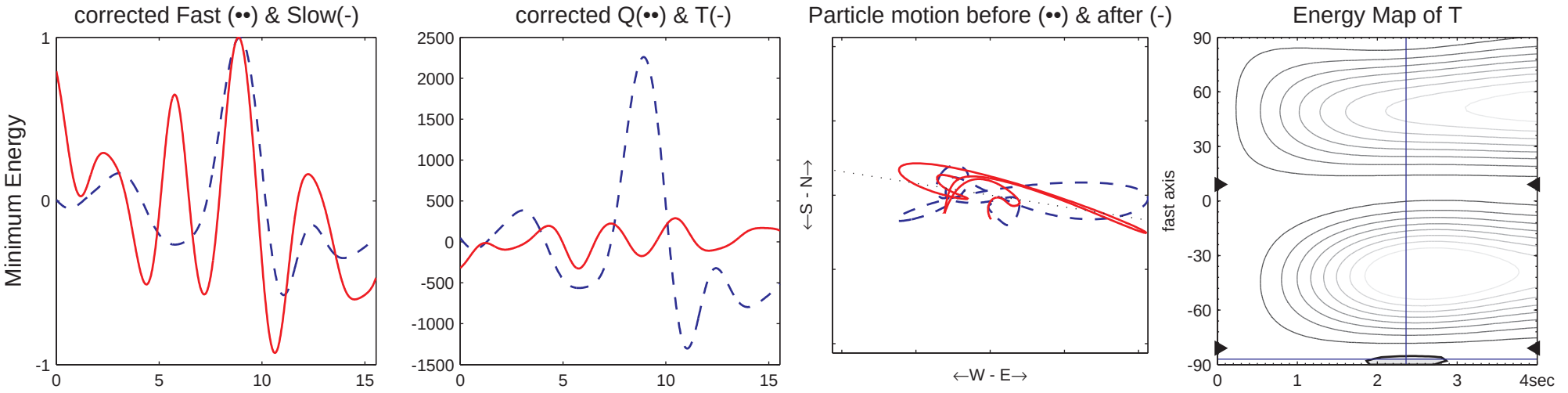
Rotation Correlation:	-55<	-43° <	-33	0.0<0.2s<0.3
Minimum Energy:	-92<	-87° <	-88	1.9<2.4s<2.9
Eigenvalue:	-92<	-85° <	-82	2.0<2.4s<2.8

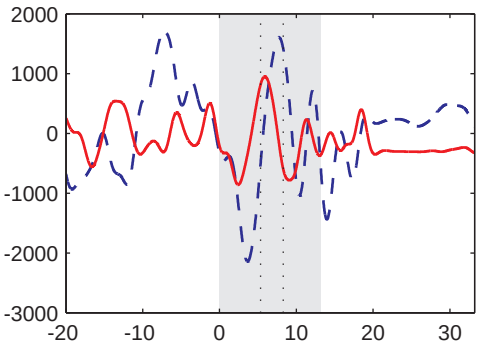
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.0”**



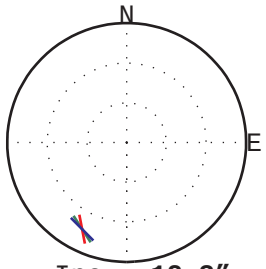




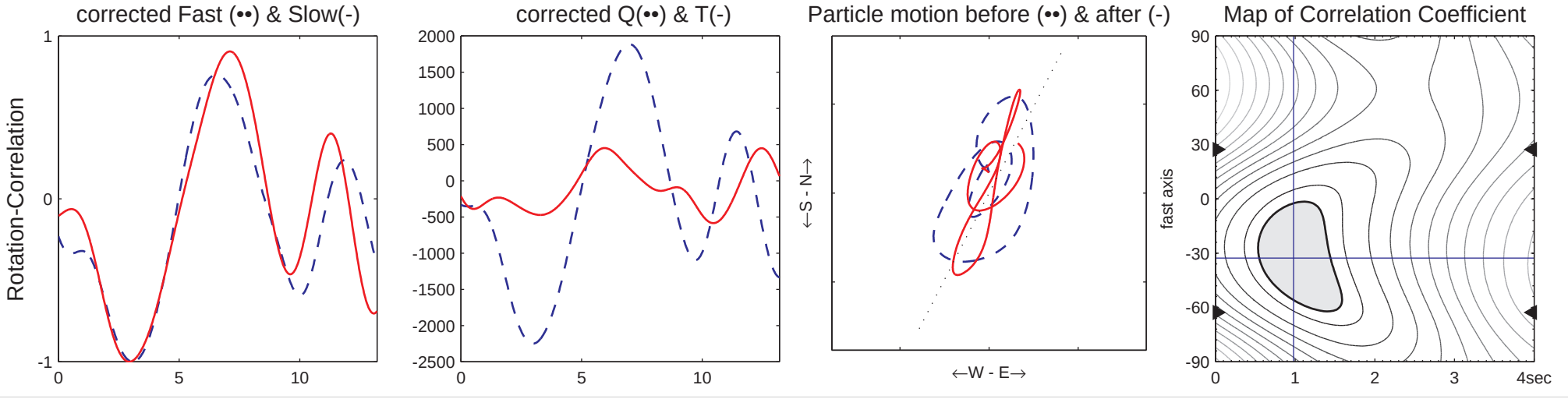
Event: **30-Jun-2008 (182) 06:17 -58.23N -22.10E 8km Mw=7.0**
Station: **MERS** Backazimuth: **207.2”** Distance: **106.16”**
init.Pol.: **13.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

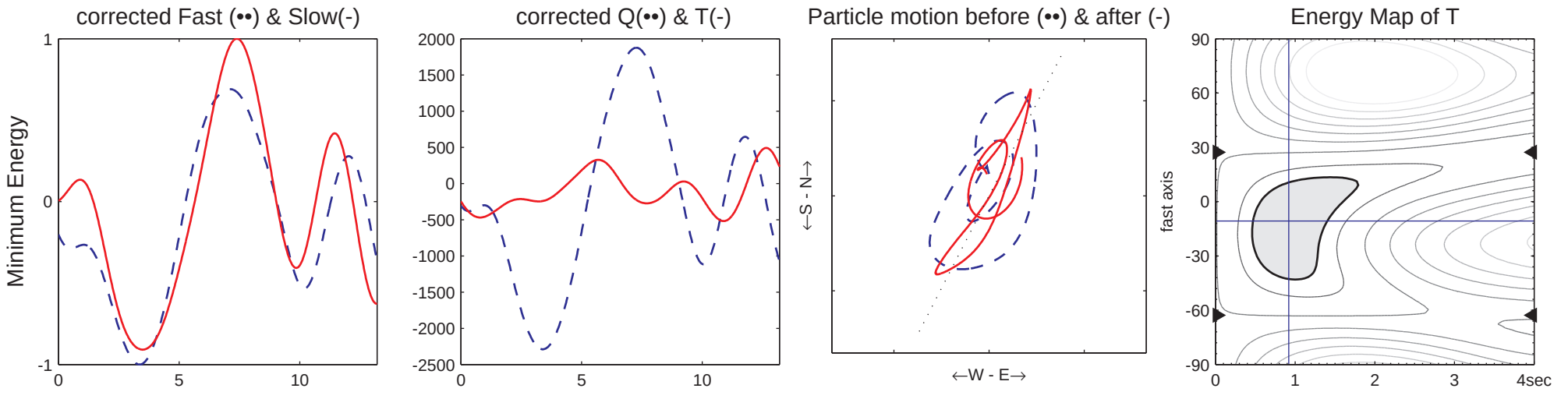
Rotation Correlation:	-63<	-33° <	-3	0.5<1.0s<1.6
Minimum Energy:	-46<	-11° <	11	0.4<0.9s<1.8
Eigenvalue:	-76<	-45° <	13	0.5<1.0s<1.8

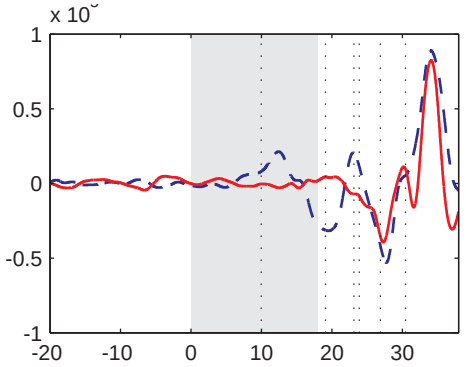
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.3”**



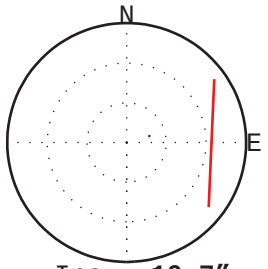




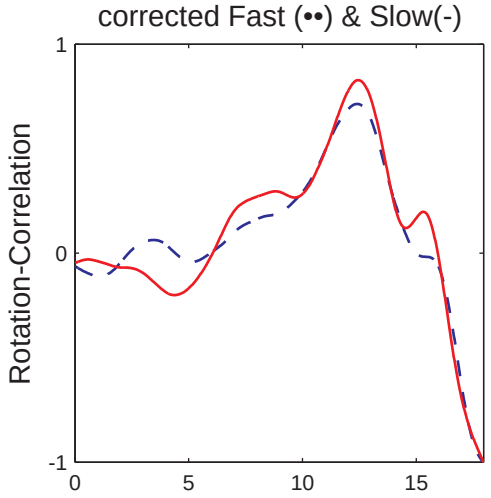
Event: **16-Nov-2008 (321) 17:02 1.27N 122.09E 30km Mw=7.4**
Station: **MERS** Backazimuth: **90.4”** Distance: **87.29”**
init.Pol.: **278.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.2**

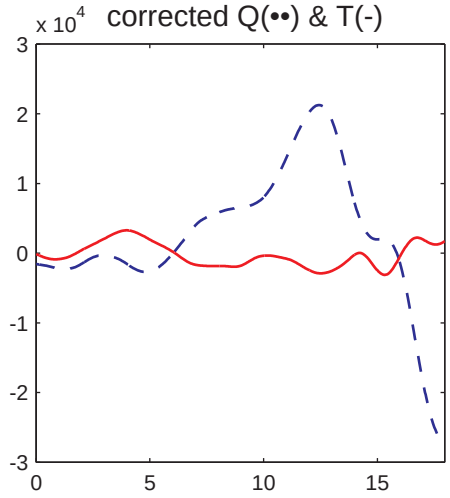
Rotation Correlation:	32<	51° <	73	0.0<0.0s<0.1
Minimum Energy:	-Inf<	2° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	-84° <	Inf	0.0<4.0s<Inf

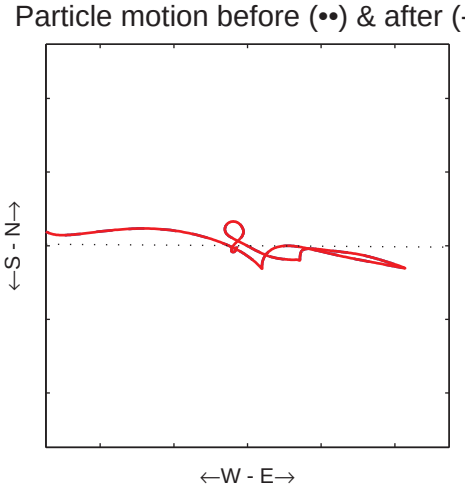
Quality: **good** IsNull: **Yes** Phase: **SKS**

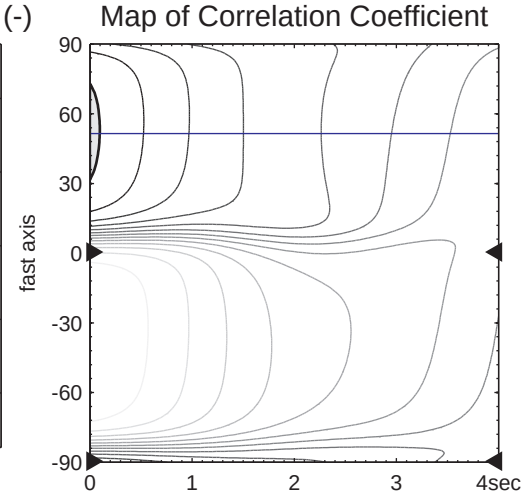


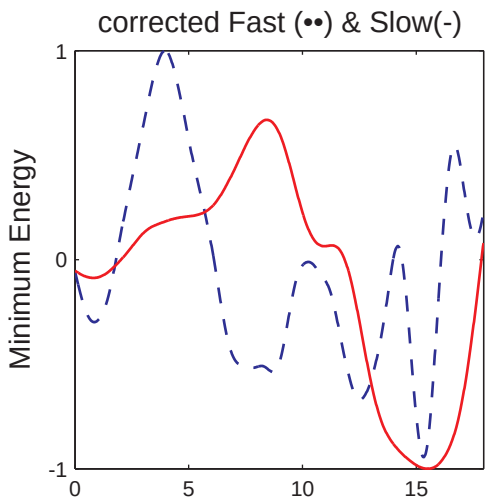
Inc = **10.7”**

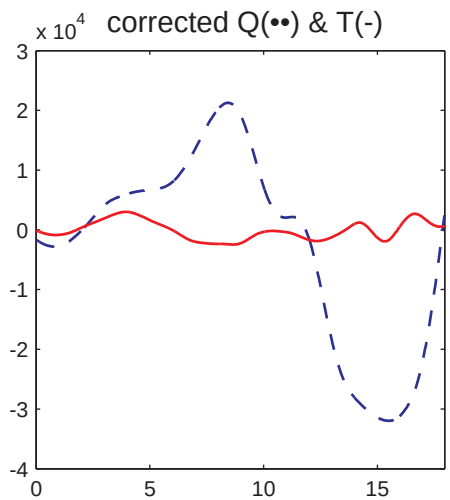


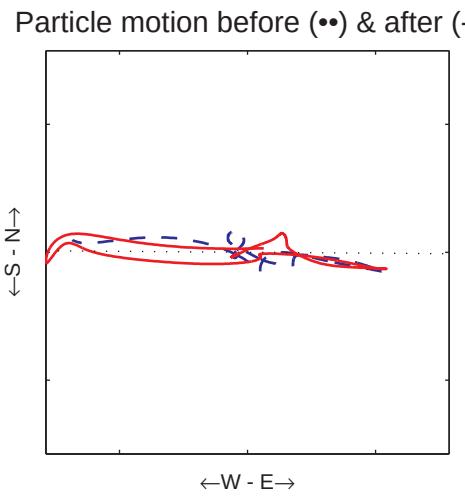


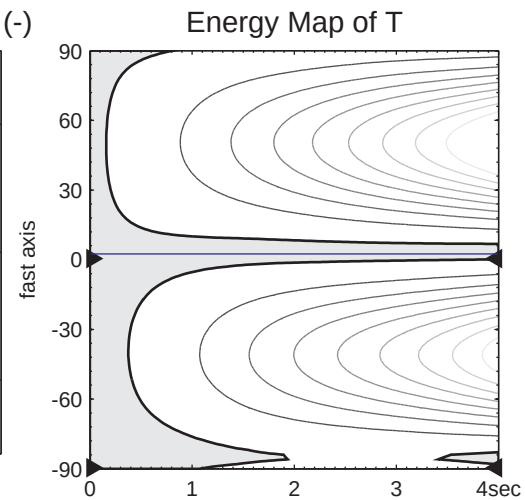


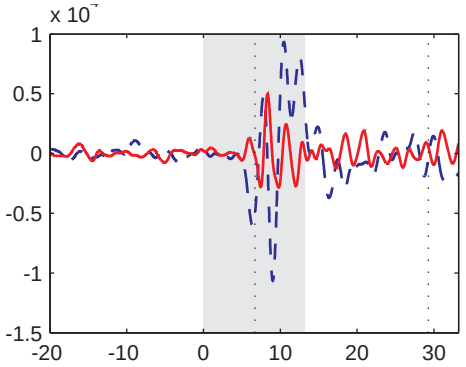








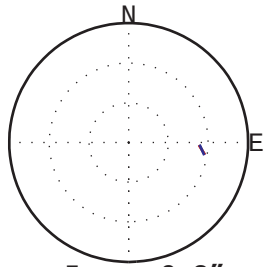


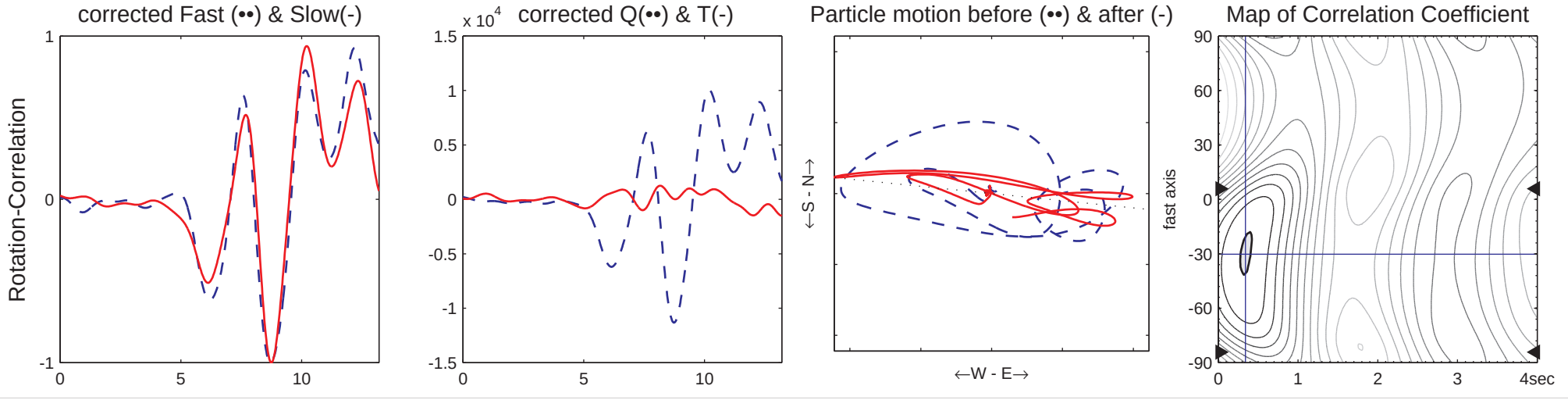


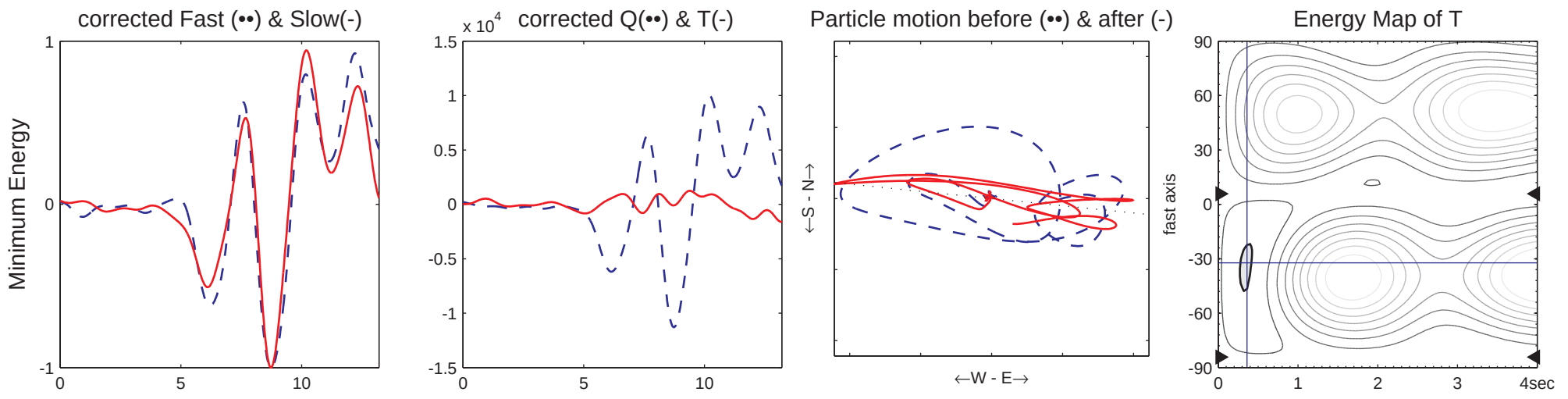
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **MERS** Backazimuth: **95.8”** Distance: **94.61”**
init.Pol.: **279.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.9**

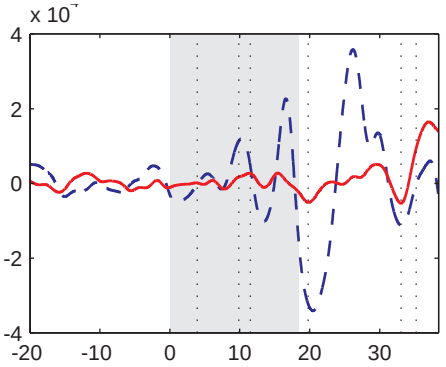
Rotation Correlation:	-43< **-30°** < -19	0.3<0.3s<0.4
Minimum Energy:	-50< **-32°** < -23	0.3<0.4s<0.4
Eigenvalue:	-41< **-24°** < -15	0.3<0.4s<0.5

Quality: **good** IsNull: **No** Phase: **SKS**





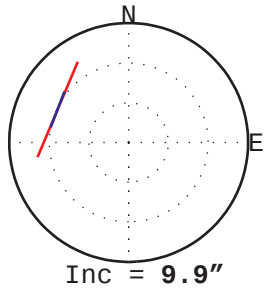


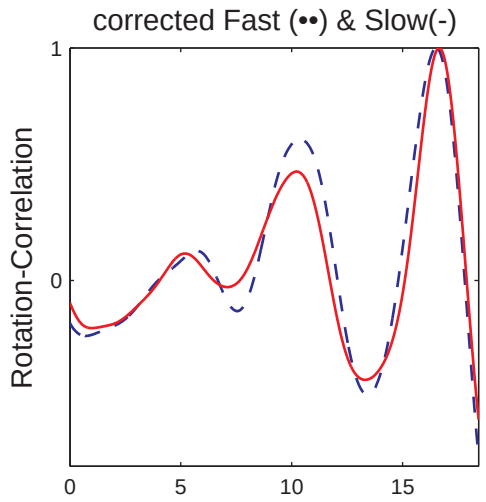


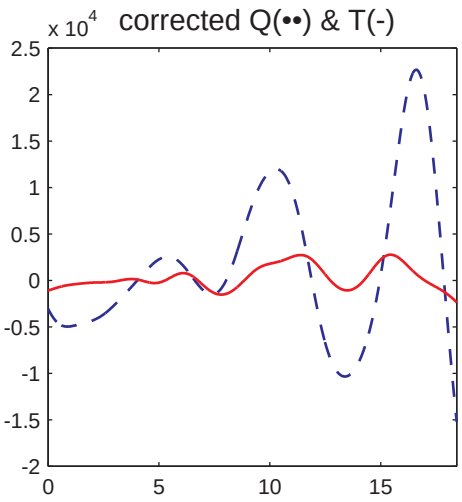
Event: **12-Jan-2010 (012) 21:53 18.44N -72.57E 13km Mw=7.0**
Station: **MERS** Backazimuth: **294.9”** Distance: **91.91”**
init.Pol.: **108.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.5**

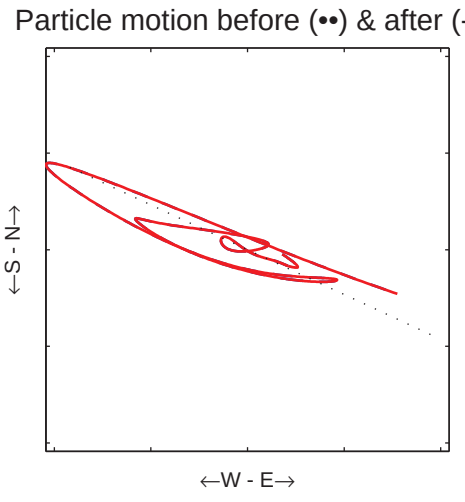
Rotation Correlation:	56<	65° <	76	0.0<0.0s<0.1
Minimum Energy:	-Inf<	23° <	Inf	0.0<3.2s<Inf
Eigenvalue:	-Inf<	21° <	Inf	0.0<1.2s<Inf

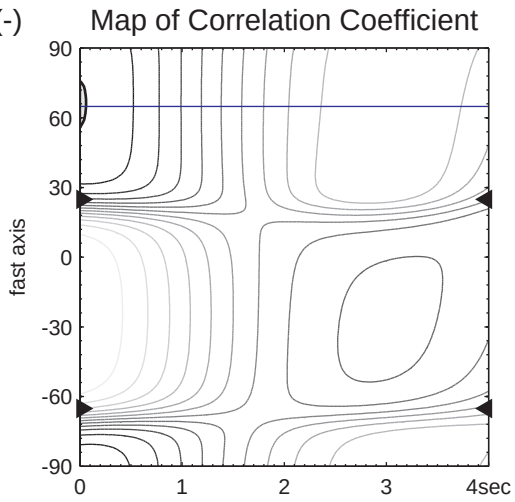
Quality: **good** IsNull: **Yes** Phase: **SKS**

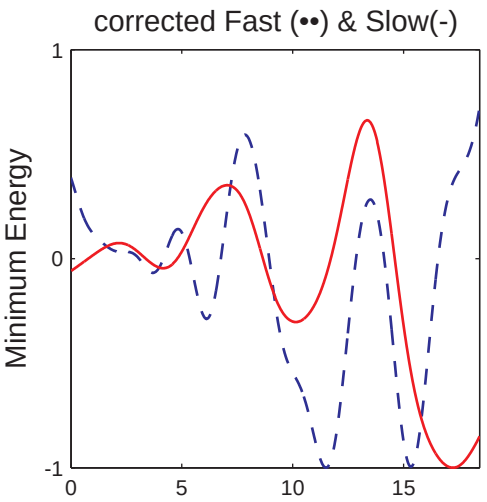


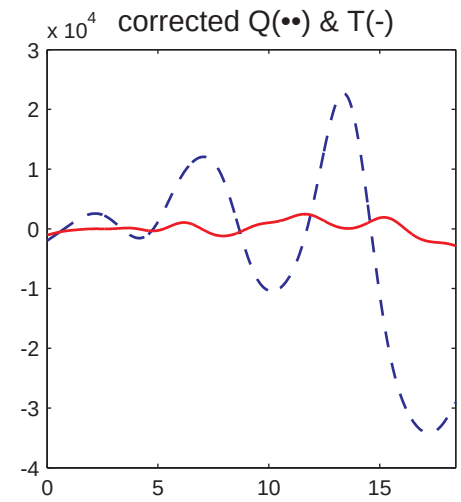


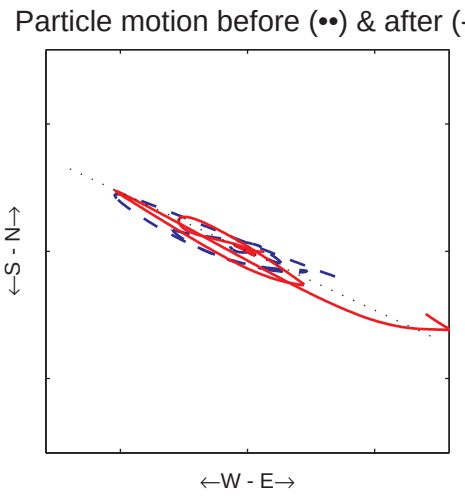


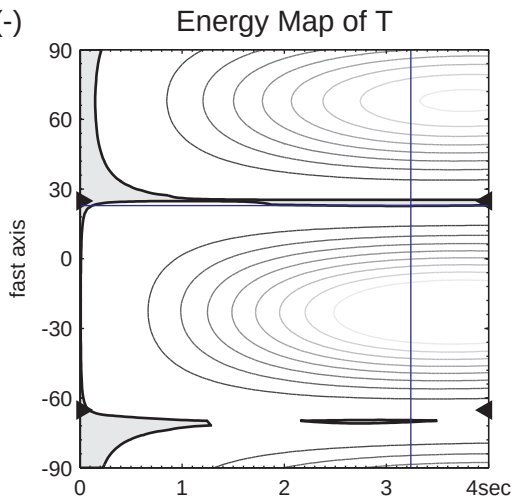


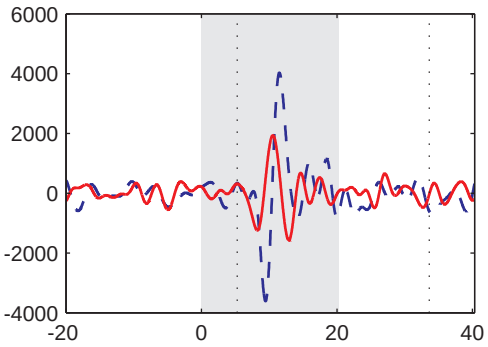








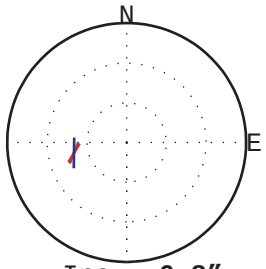




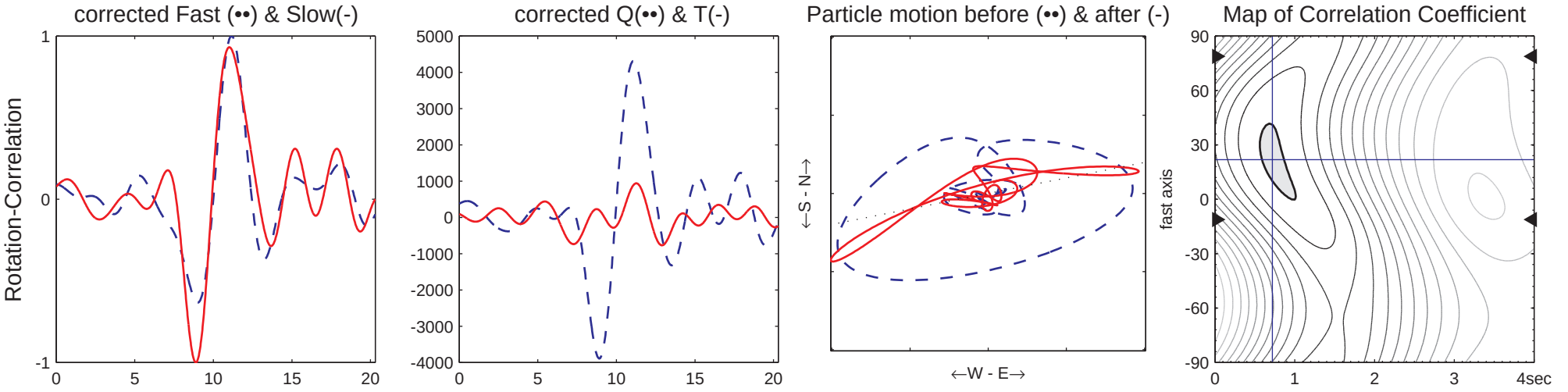
Event: **04-Mar-2010 (063) 22:39 -22.23N -68.33E 114km** Mw=**6.3**
Station: **MERS** Backazimuth: **258.8”** Distance: **113.06”**
init.Pol.: **62.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.7**

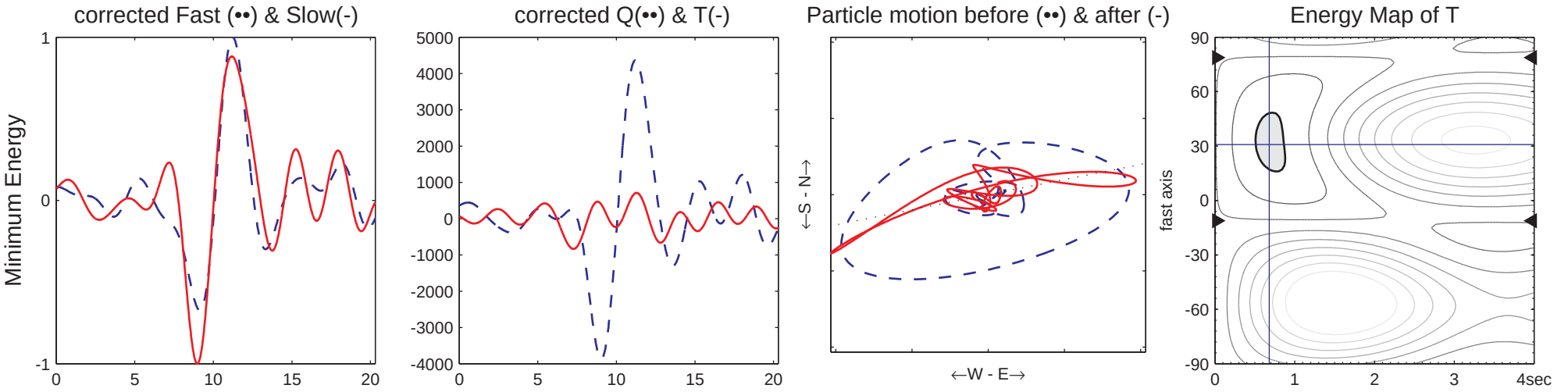
Rotation Correlation:	-1<	22° <	42	0.6<0.7s<1.0
Minimum Energy:	15<	31° <	48	0.5<0.7s<0.9
Eigenvalue:	-15<	1° <	29	0.6<1.0s<1.3

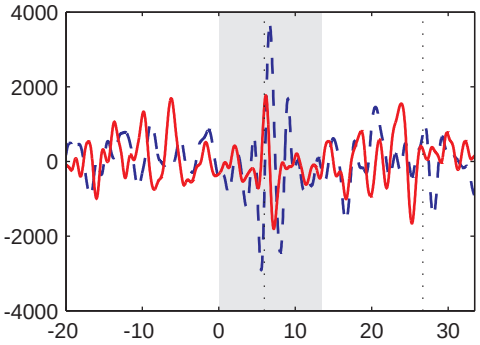
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



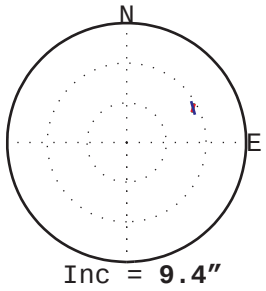


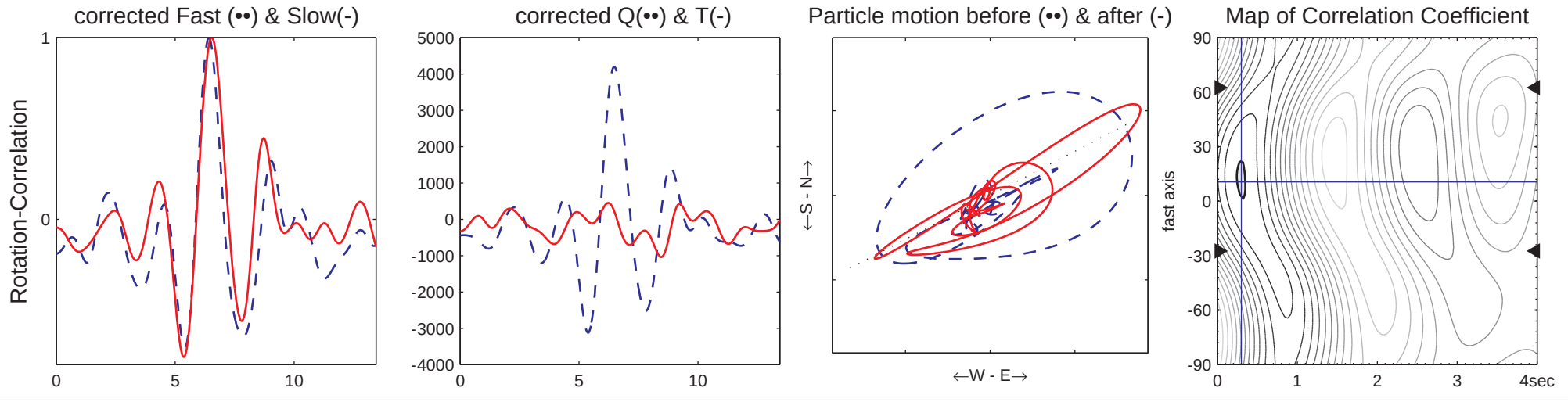


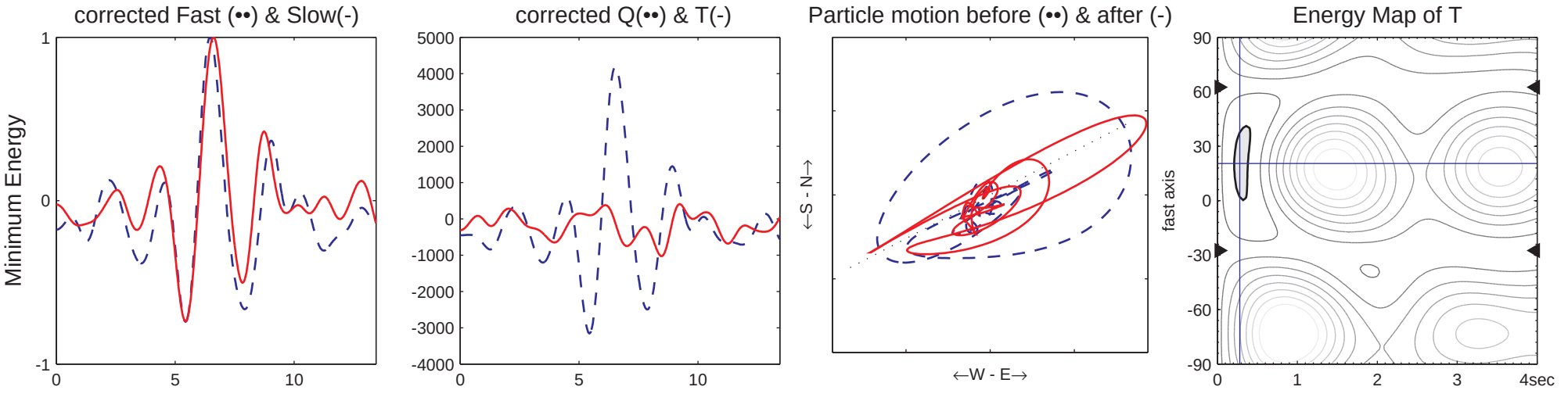
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **MERS** Backazimuth: **62.5”** Distance: **93.56”**
init.Pol.: **229.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.5**

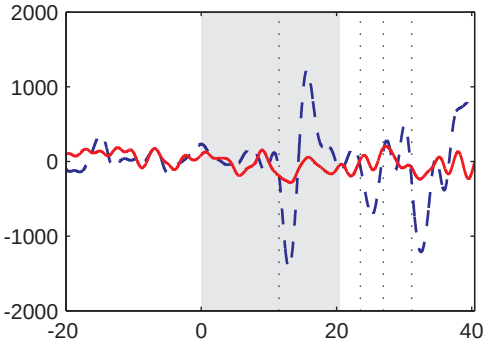
Rotation Correlation:	2<	11° <	22	0.2<0.3s<0.4
Minimum Energy:	1<	21° <	41	0.2<0.3s<0.4
Eigenvalue:	-41<	-15° <	50	0.2<0.4s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





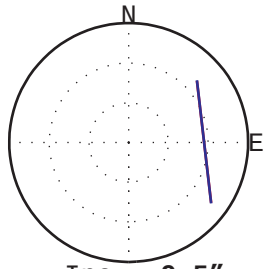


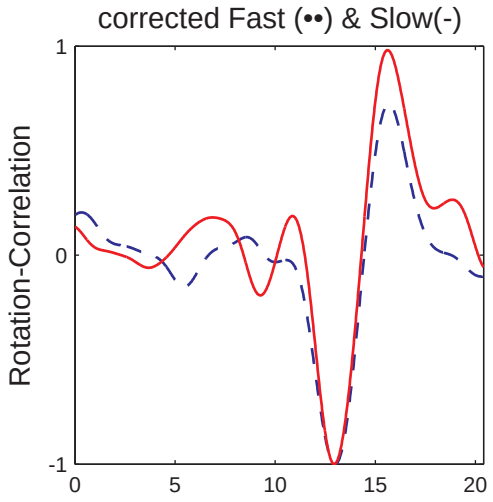


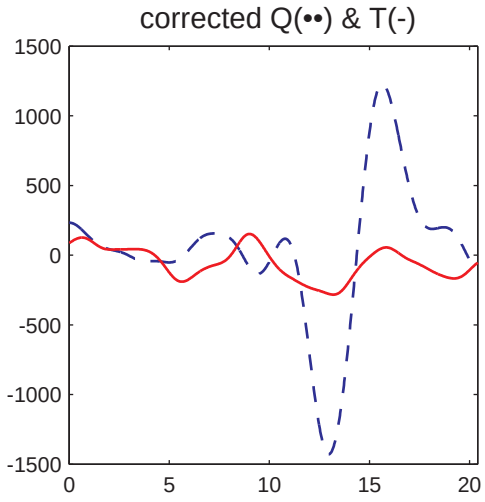
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **MERS** Backazimuth: **89.4”** Distance: **94.03”**
init.Pol.: **269.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.7**

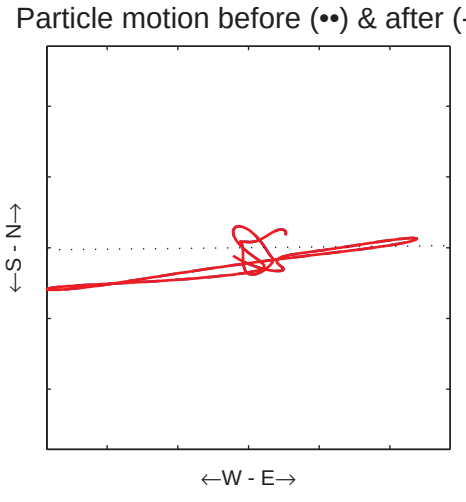
Rotation Correlation:	17<	37° <	59	0.0<0.0s<0.3
Minimum Energy:	-15<	-7° <	-3	1.9<3.8s<4.0
Eigenvalue:	-15<	-7° <	-1	2.4<3.9s<4.0

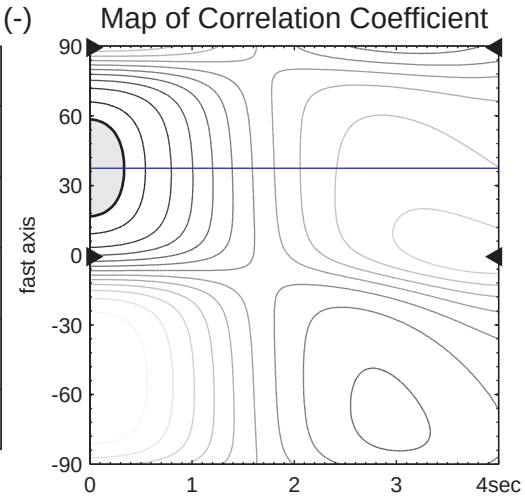
Quality: **good** IsNull: **Yes** Phase: **SKS**

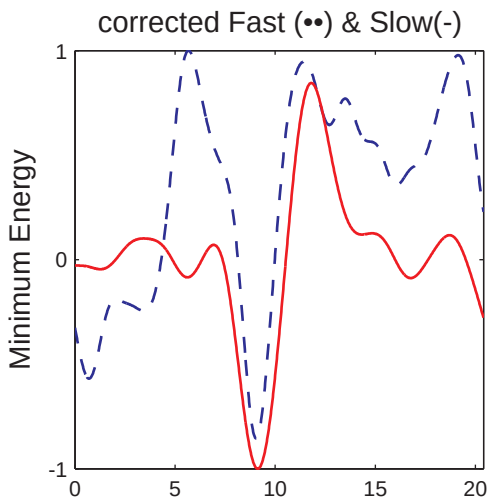


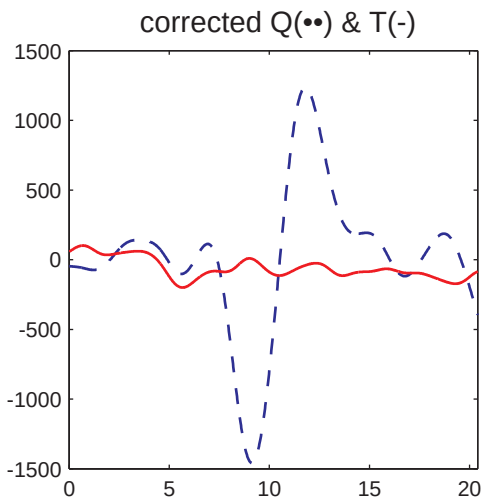


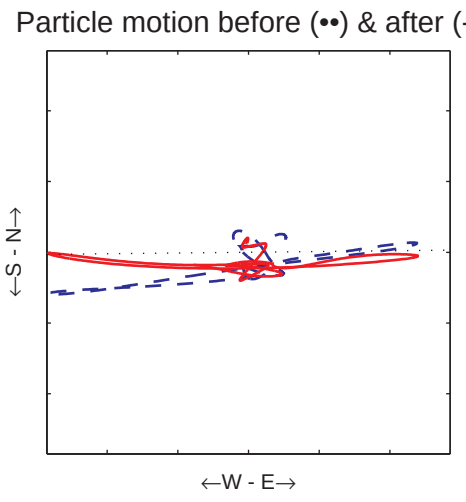


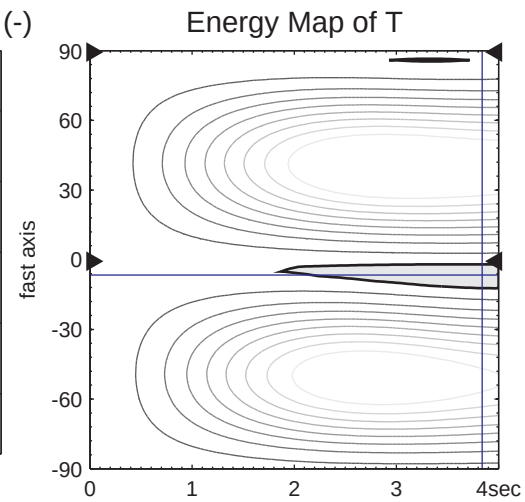


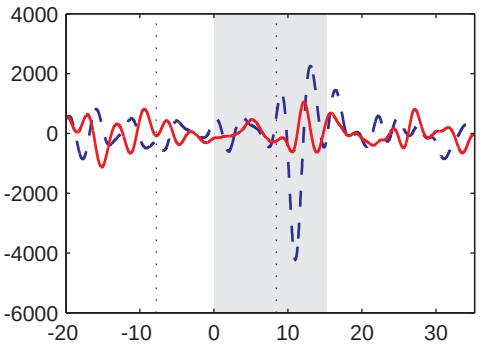








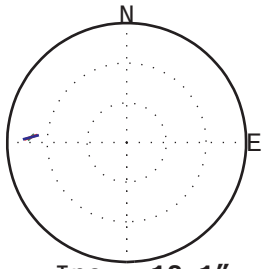


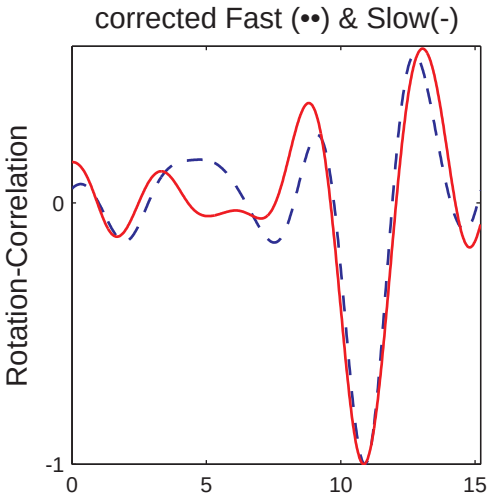


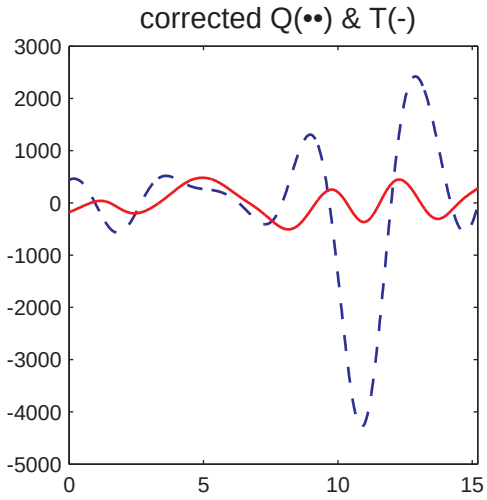
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **MERS** Backazimuth: **273.1”** Distance: **107.69”**
init.Pol.: **94.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.8**

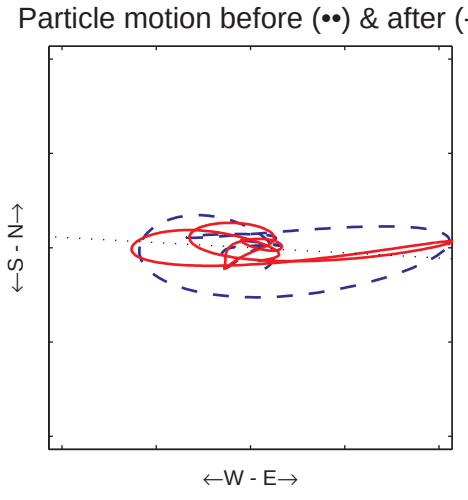
Rotation Correlation:	40<	47° <	56	0.2<0.3s<0.4
Minimum Energy:	48<	71° <	82	0.2<0.4s<0.8
Eigenvalue:	35<	75° <	88	0.2<0.5s<0.9

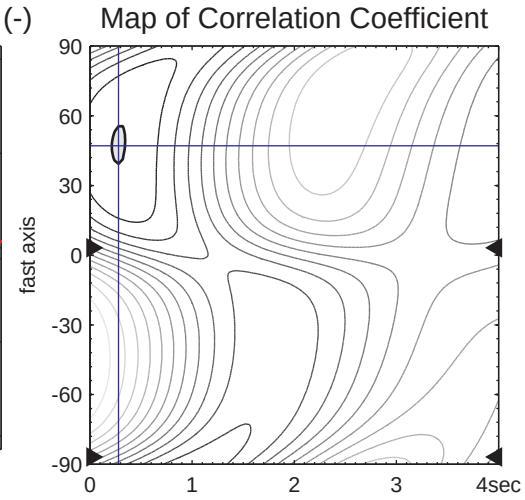
Quality: **fair** IsNull: **No** Phase: **SKKS**

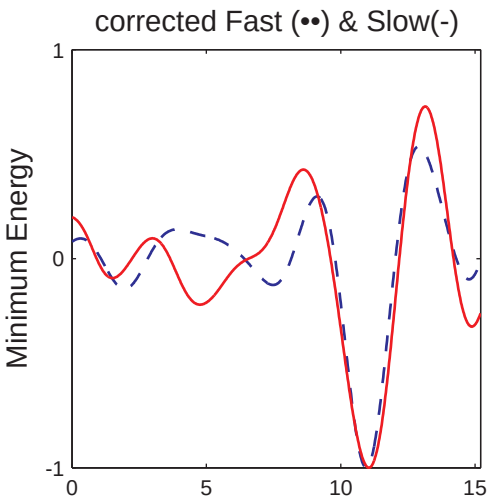


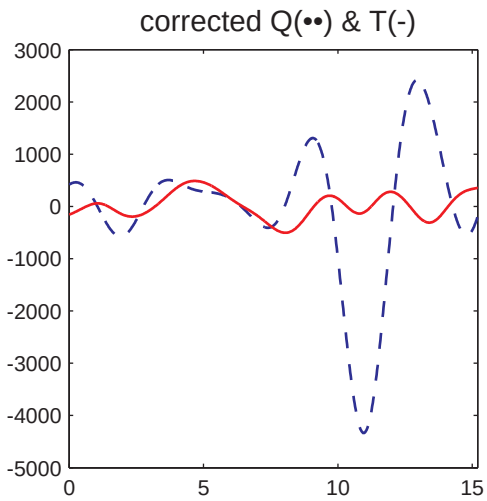


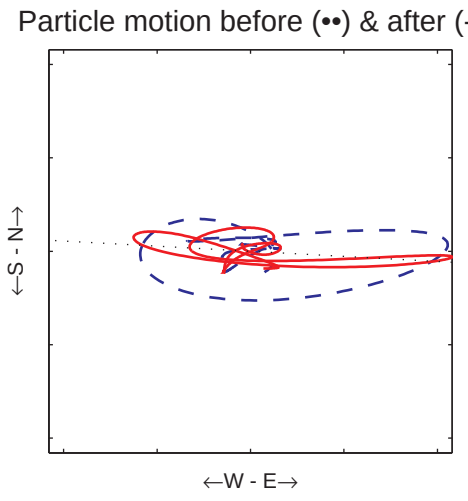


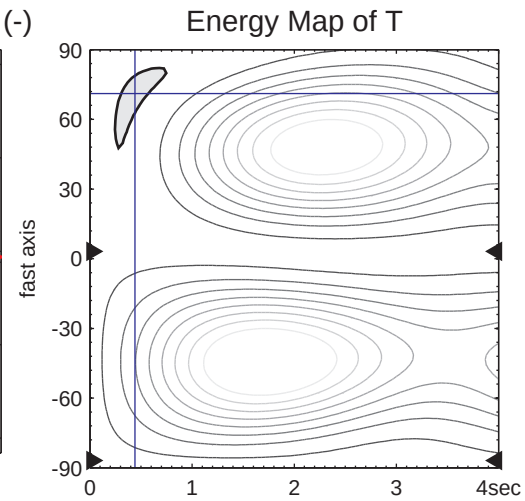


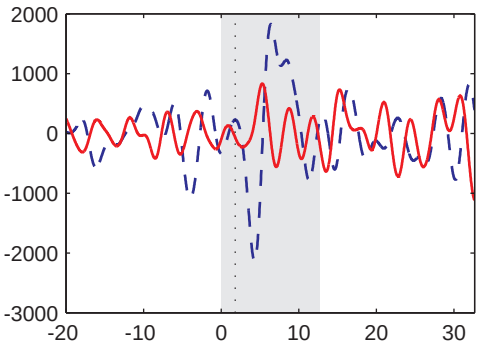








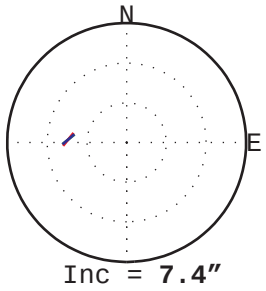


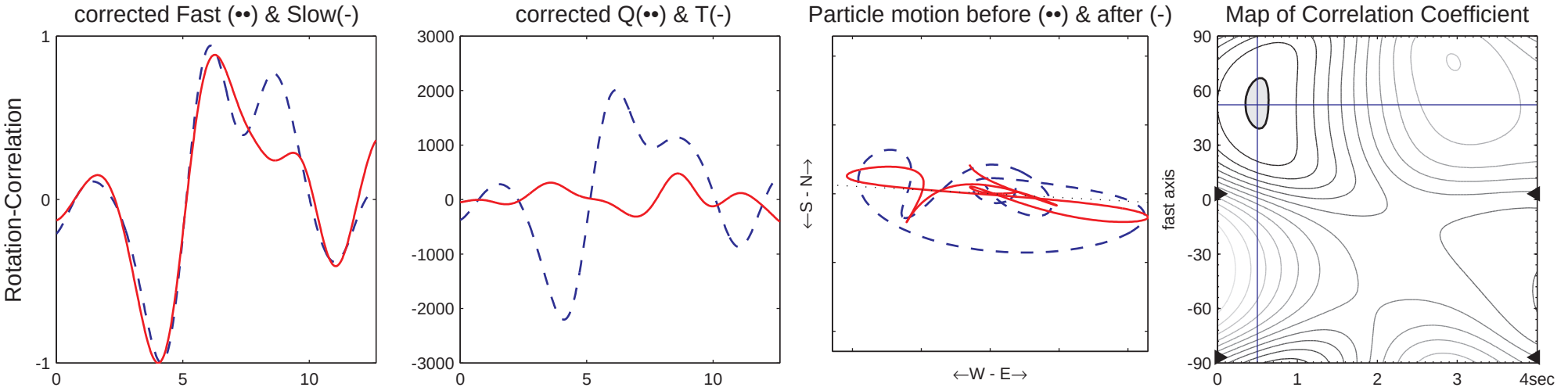


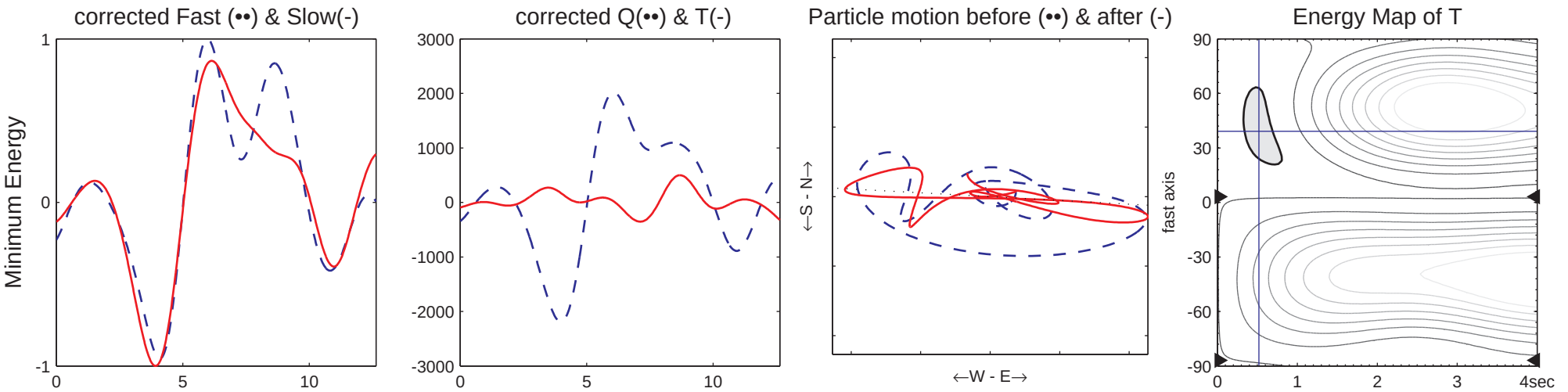
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **MERS** Backazimuth: **273.1”** Distance: **107.69”**
init.Pol.: **96.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

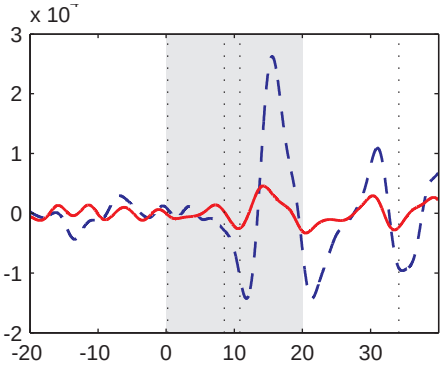
Rotation Correlation:	39<	52° <	67	0.4<0.5s<0.6
Minimum Energy:	21<	39° <	64	0.3<0.5s<0.8
Eigenvalue:	21<	49° <	76	0.3<0.5s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





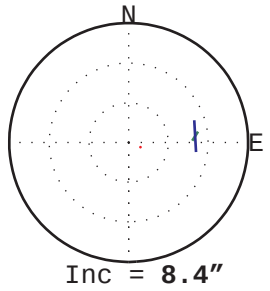


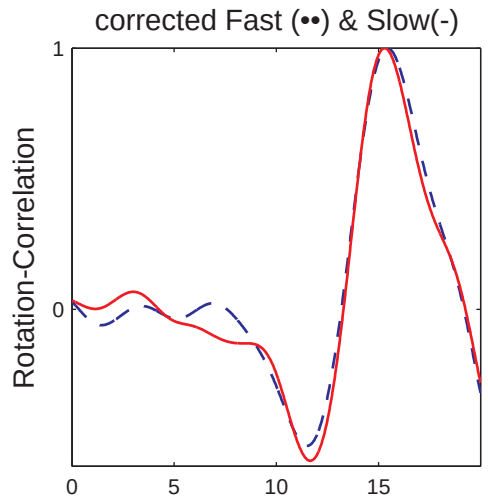


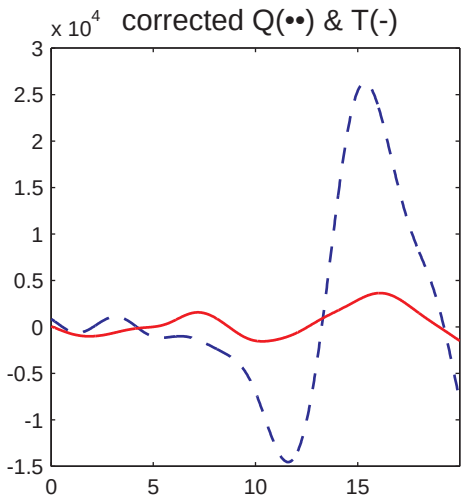
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **MERS** Backazimuth: **84.5”** Distance: **100.91”**
init.Pol.: **255.4”** Filter: **0.010Hz - 0.30Hz** SNR_{SC}:**11.2**

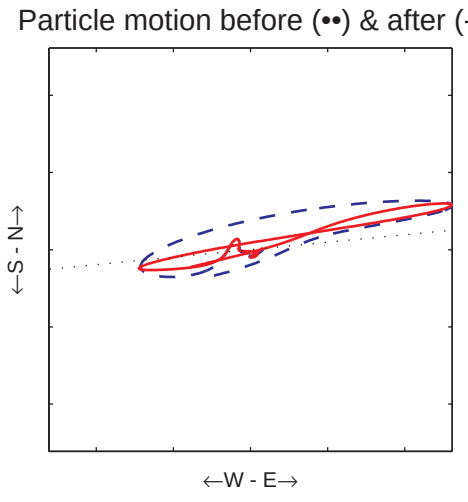
Rotation Correlation:	16<	32° <	50	0.2<0.3s<0.5
Minimum Energy:	70<	78° <	82	0.8<3.5s<4.0
Eigenvalue:	-11<	-4° <	35	0.3<1.0s<1.8

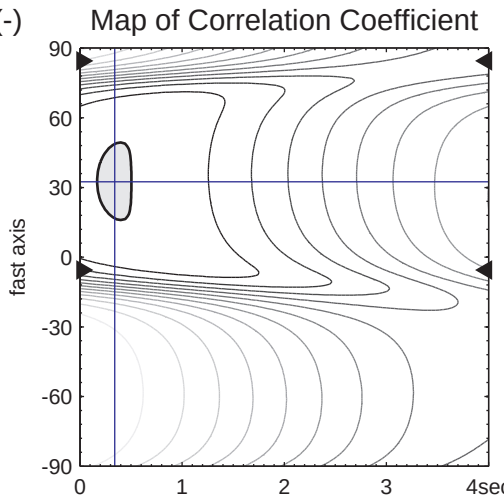
Quality: **good** IsNull: **Yes** Phase: **SKS**

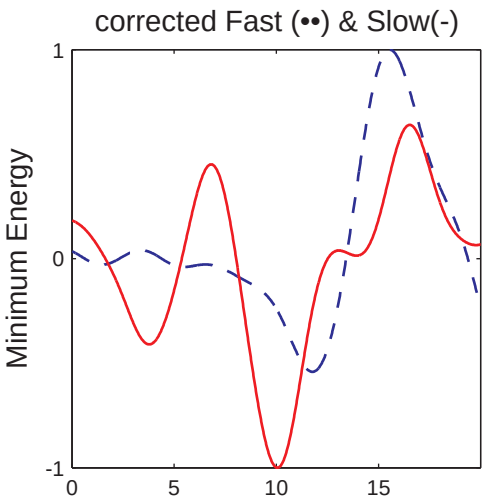


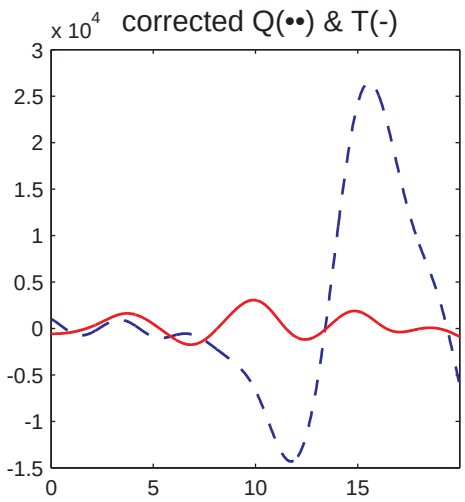


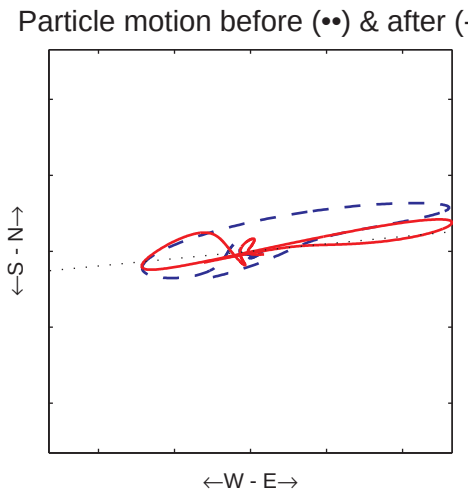


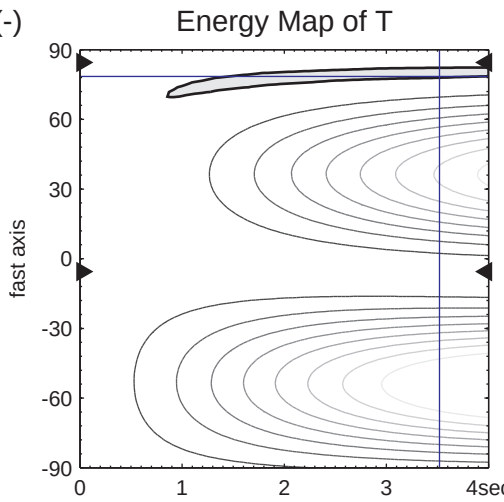


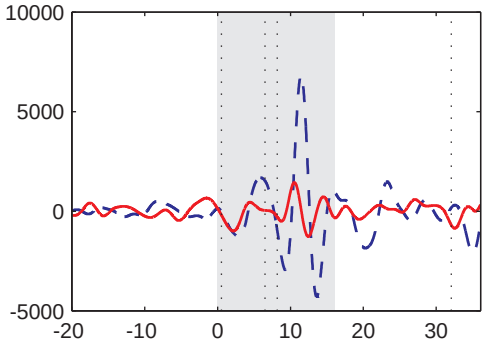








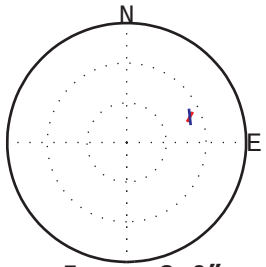




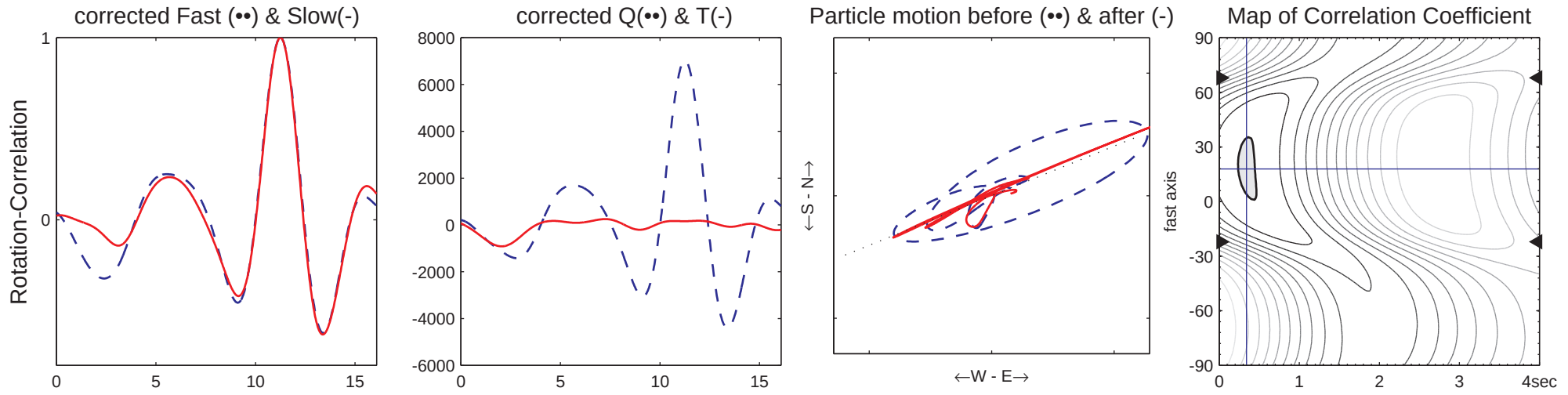
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **MERS** Backazimuth: **67.9”** Distance: **99.87”**
init.Pol.: **241.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.0**

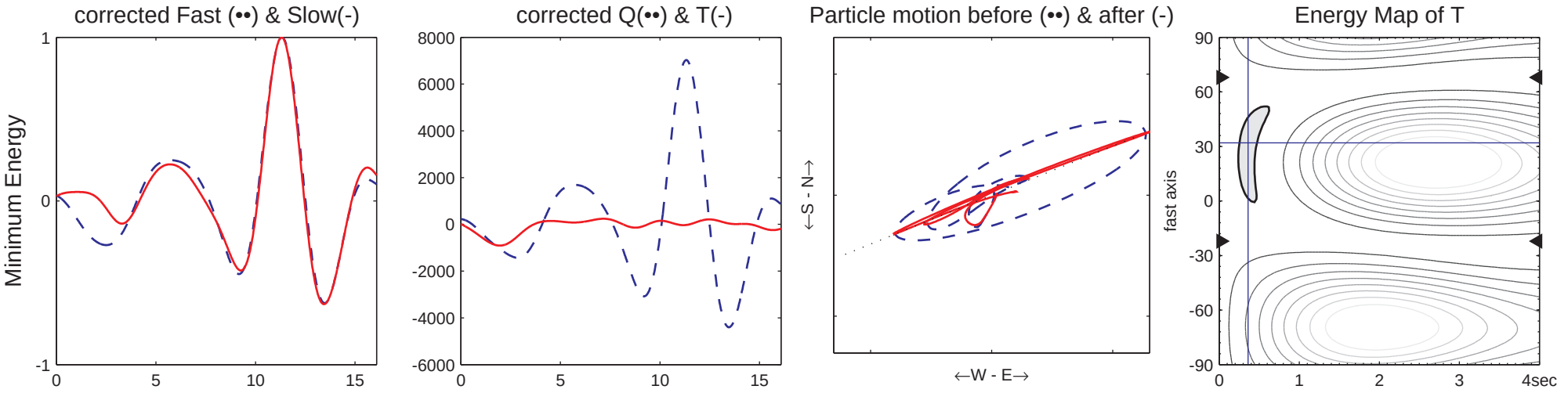
Rotation Correlation:	1<	18° <	36	0.2<0.3s<0.5
Minimum Energy:	-1<	32° <	52	0.2<0.4s<0.6
Eigenvalue:	-25<	-6° <	41	0.3<0.5s<1.0

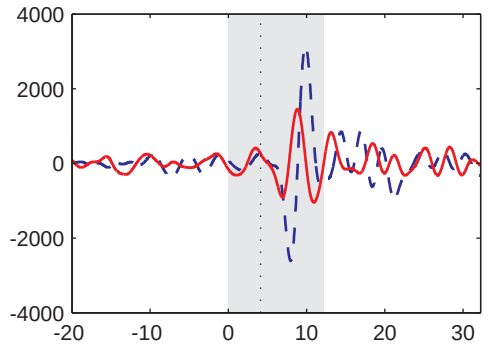
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **8.6”**



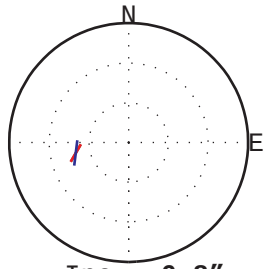


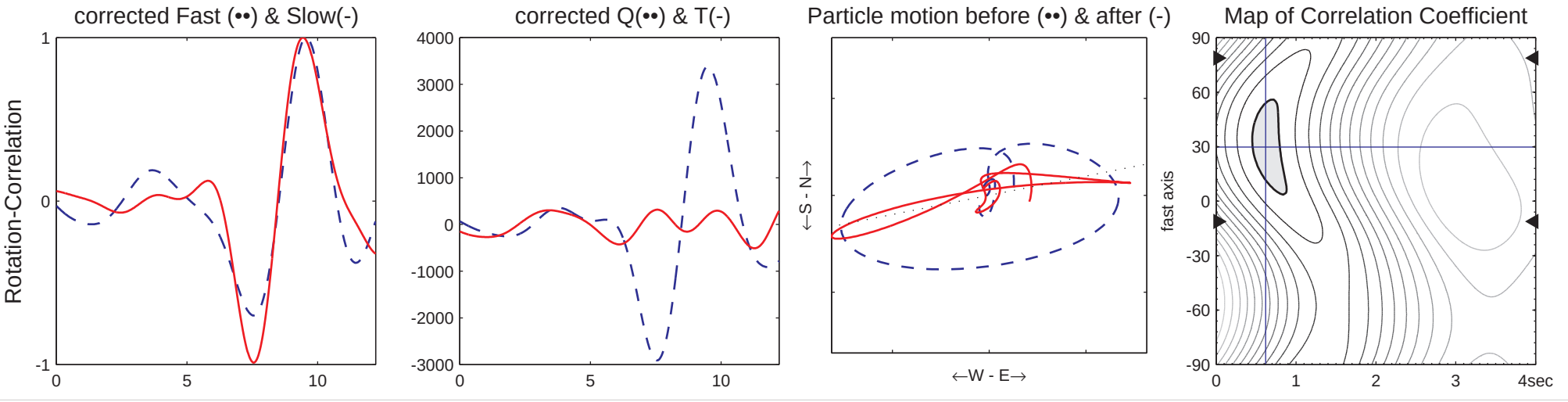


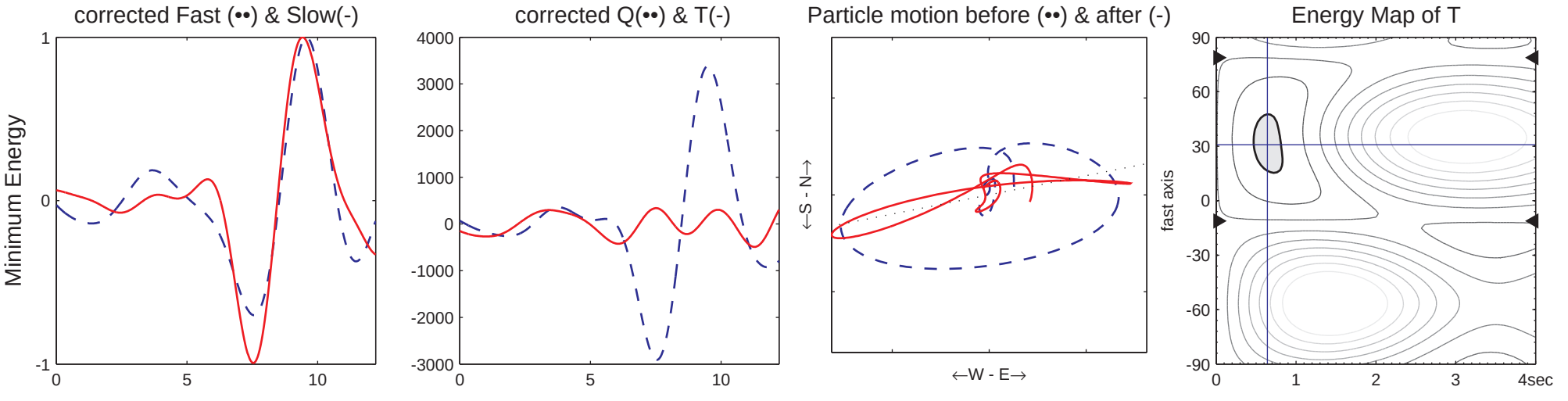
Event: **12-Jul-2010 (193) 00:11 -22.15N -68.22E 115km Mw=6.3**
Station: **MERS** Backazimuth: **258.8”** Distance: **112.93”**
init.Pol.: **67.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.0**

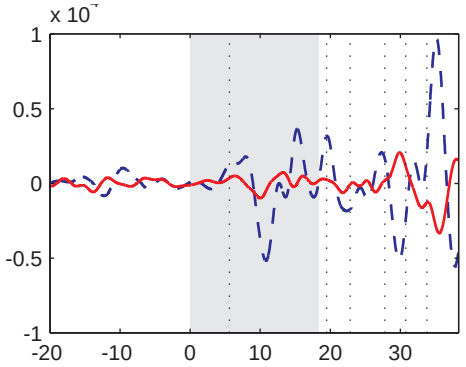
Rotation Correlation:	4<	30° <	56	0.4<0.6s<0.9
Minimum Energy:	15<	31° <	48	0.5<0.6s<0.8
Eigenvalue:	-13<	7° <	54	0.5<0.8s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





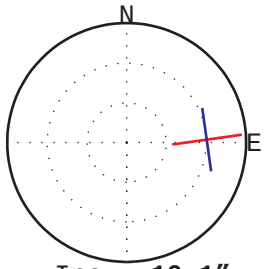




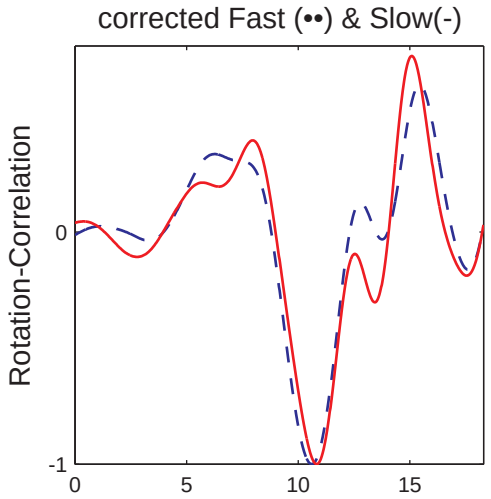
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **MERS** Backazimuth: **88.0”** Distance: **90.61”**
init.Pol.: **255.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.7**

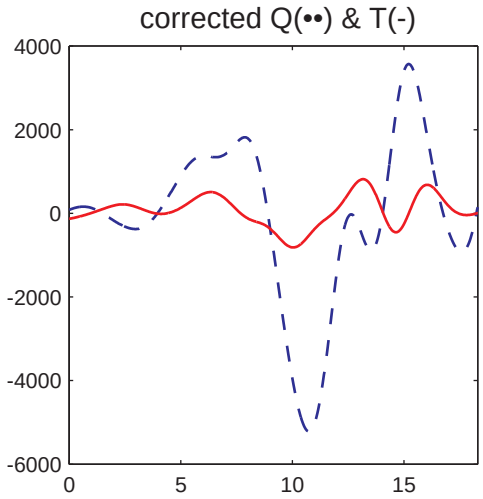
Rotation Correlation:	24<	37° <	53	0.0<0.1s<0.3
Minimum Energy:	80<	82° <	86	1.4<2.2s<3.0
Eigenvalue:	-15<	-8° <	-5	1.0<2.0s<2.8

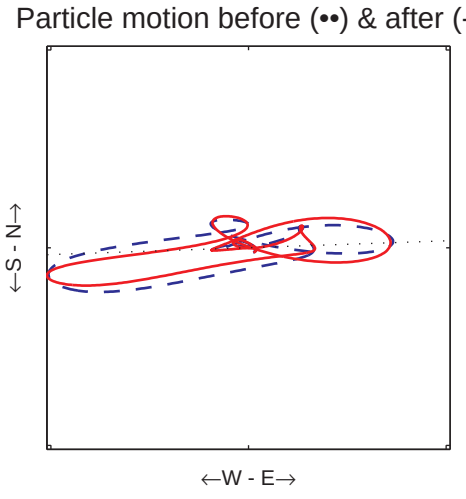
Quality: **good** IsNull: **Yes** Phase: **SKS**

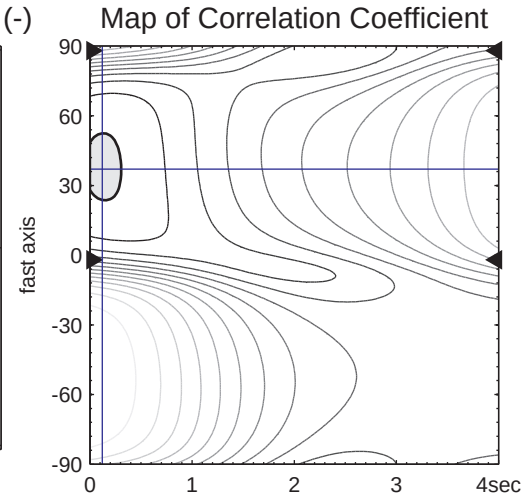


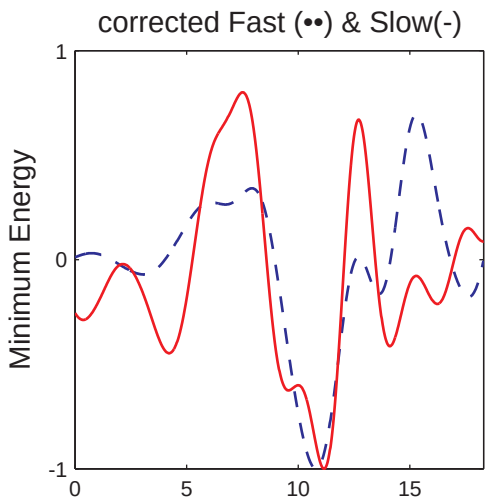
Inc = **10.1”**

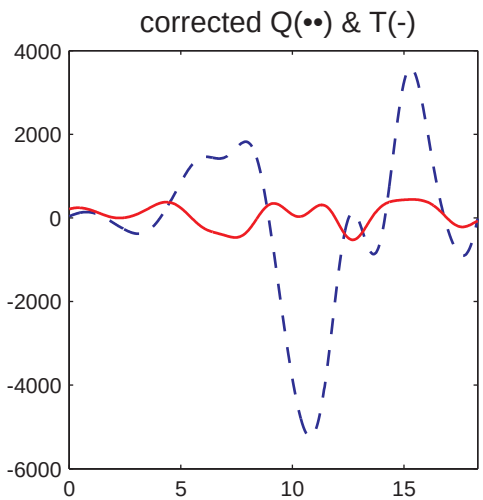


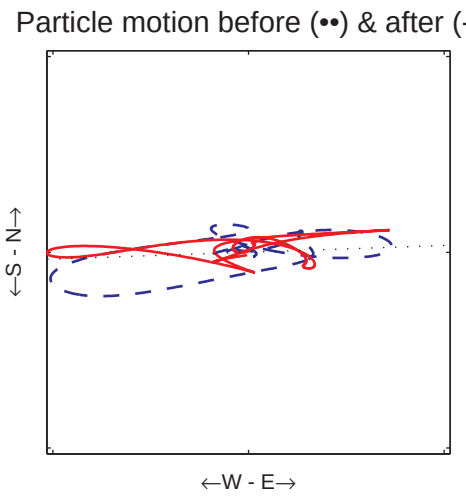


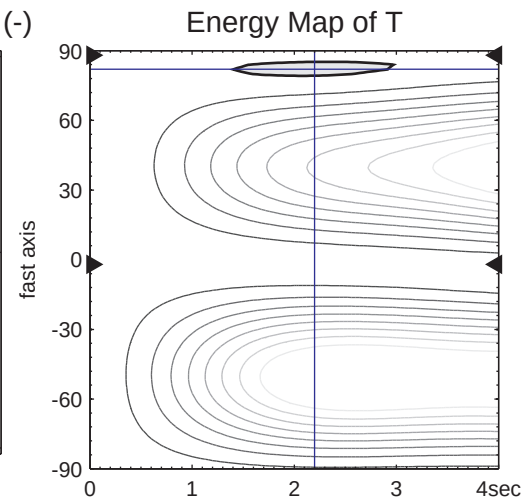


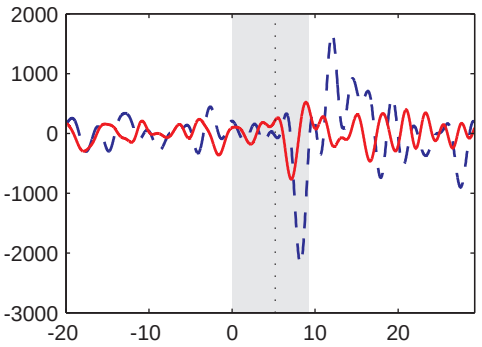








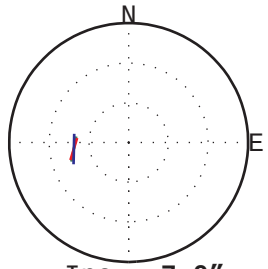




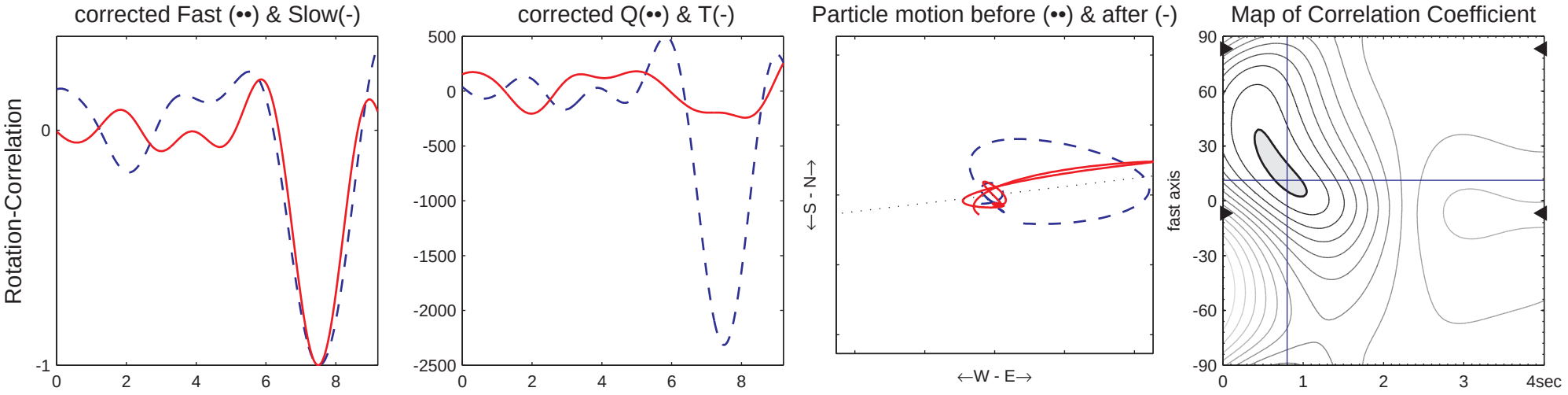
Event: **06-Mar-2011 (065) 12:31 -18.02N -69.36E 118km Mw=6.3**
Station: **MERS** Backazimuth: **263.2”** Distance: **111.60”**
init.Pol.: **68.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

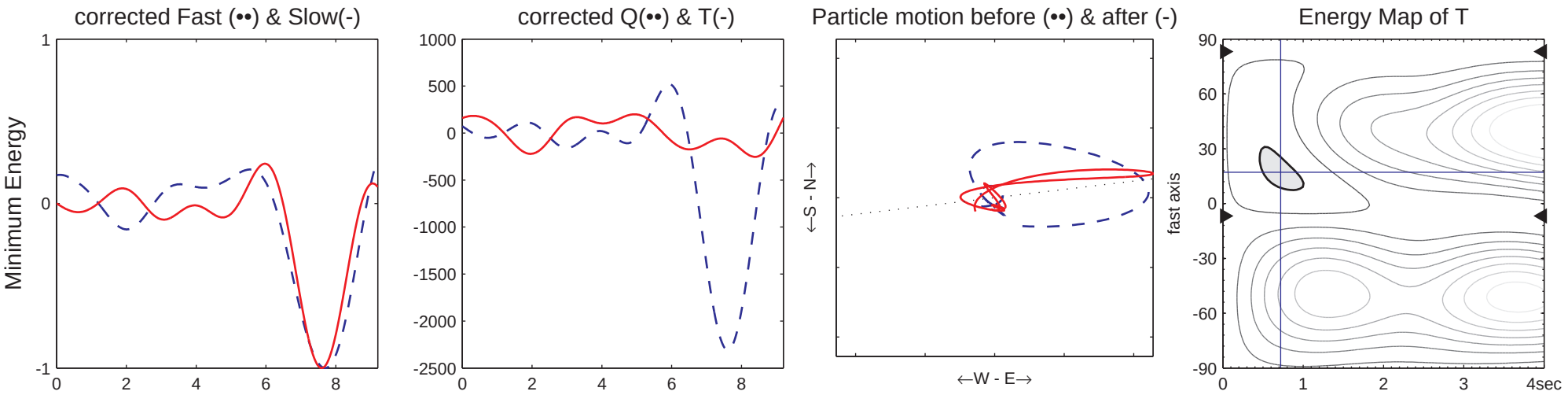
Rotation Correlation:	3<	11° <	39	0.4<0.8s<1.0
Minimum Energy:	7<	17° <	31	0.4<0.7s<1.0
Eigenvalue:	-5<	1° <	11	0.8<1.0s<1.1

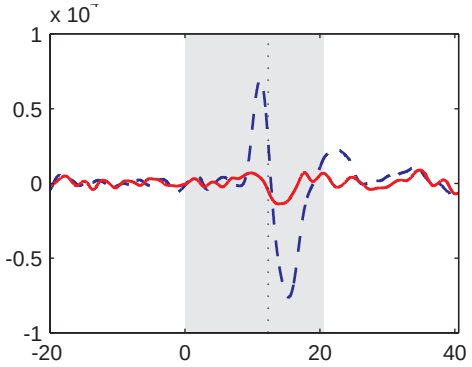
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



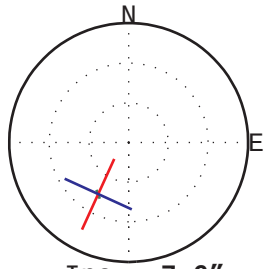




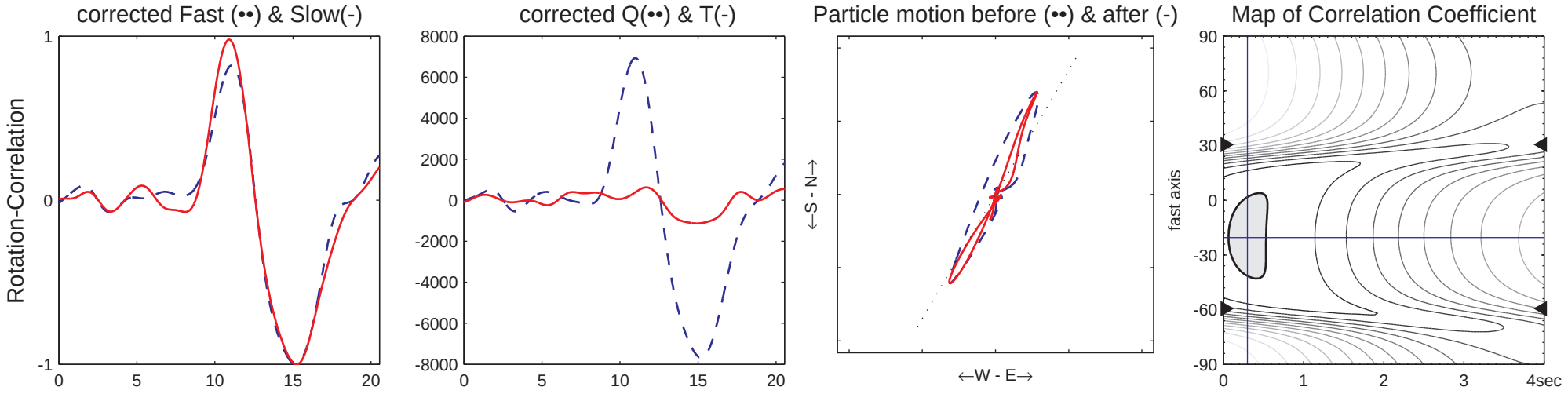
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **MERS** Backazimuth: **210.5”** Distance: **106.82”**
init.Pol.: **18.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.9**

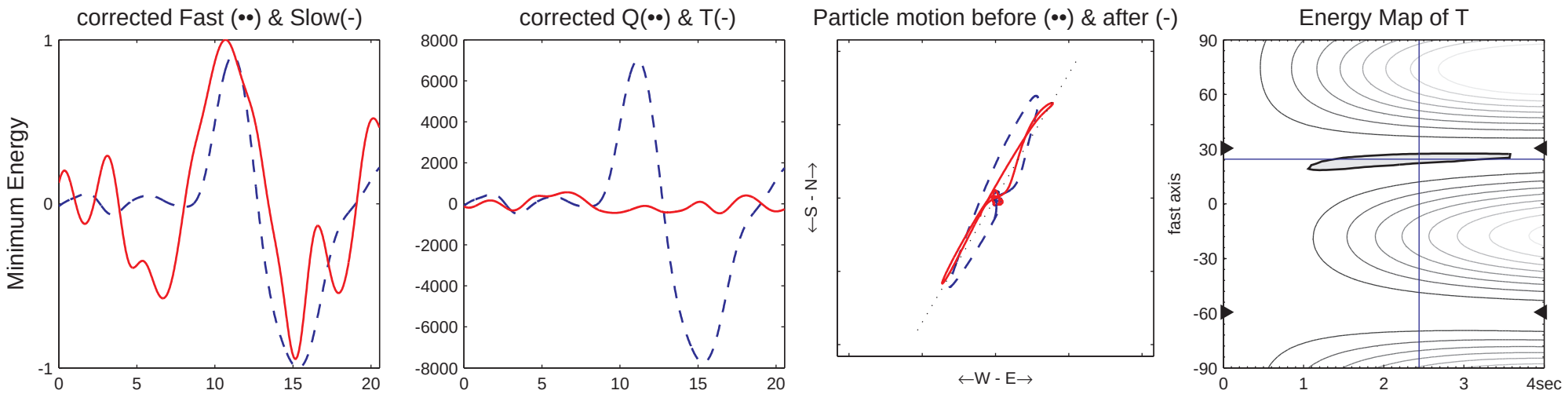
Rotation Correlation:	-44<	-20° <	3	0.1<0.3s<0.6
Minimum Energy:	19<	25° <	27	1.0<2.4s<3.6
Eigenvalue:	-72<	-65° <	21	0.2<2.3s<3.3

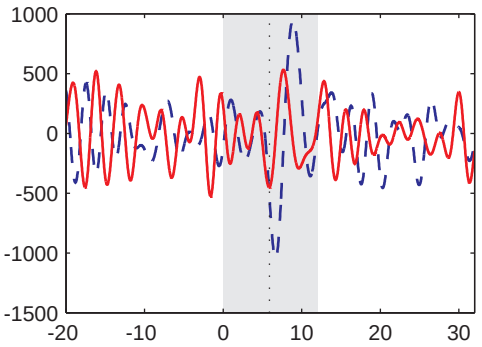
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.6”**



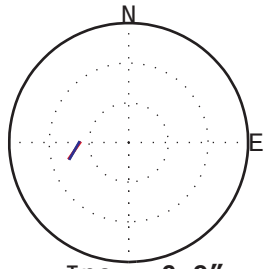




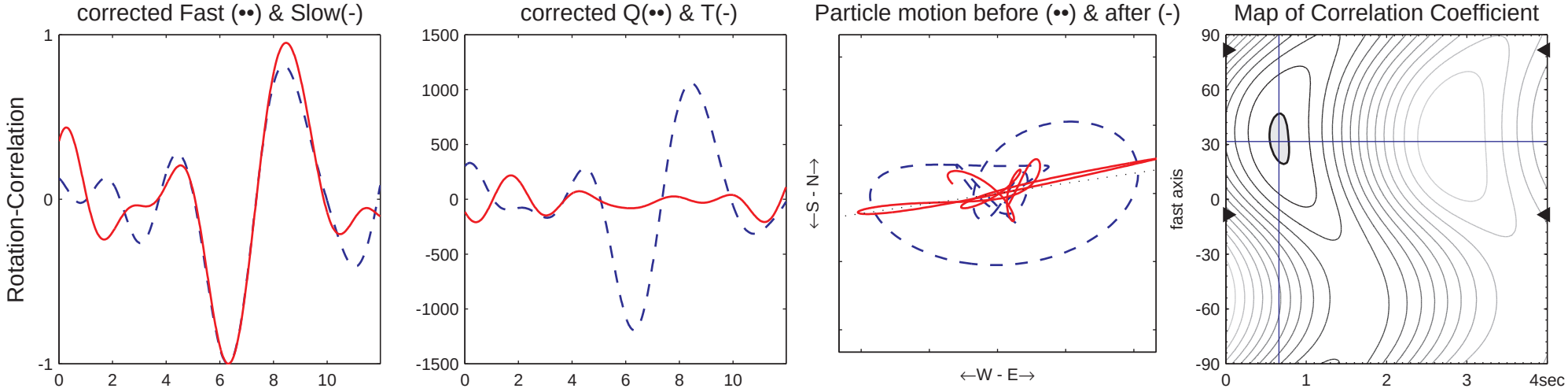
Event: **02-Apr-2011 (092) 10:59 -19.58N -69.06E 84km Mw=5.9**
Station: **MERS** Backazimuth: **261.6”** Distance: **112.22”**
init.Pol.: **78.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.4**

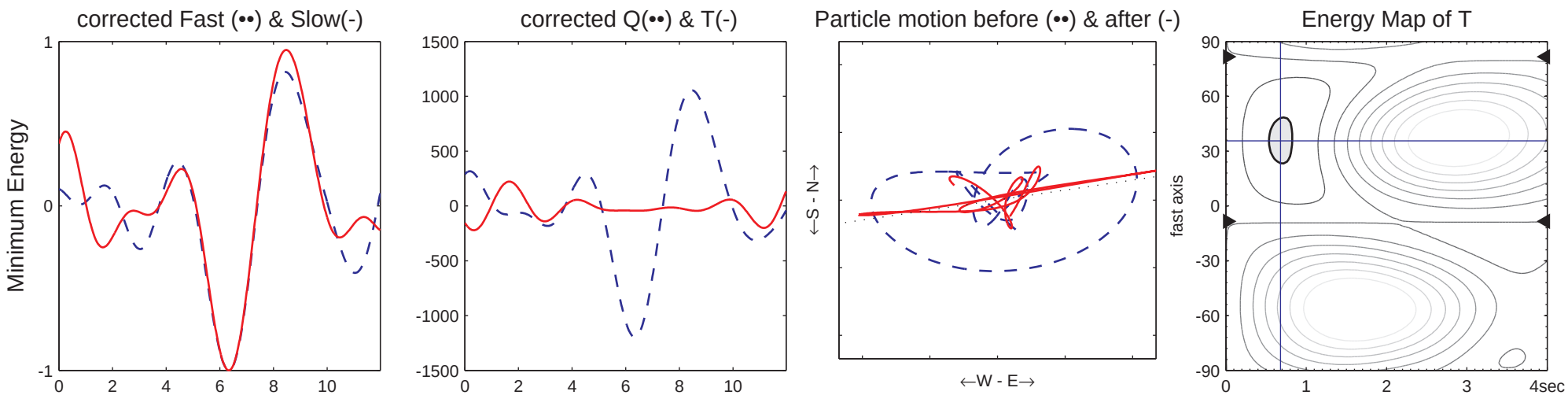
Rotation Correlation:	20<	32° <	47	0.6<0.7s<0.8
Minimum Energy:	23<	36° <	48	0.5<0.7s<0.8
Eigenvalue:	9<	30° <	52	0.6<0.7s<0.8

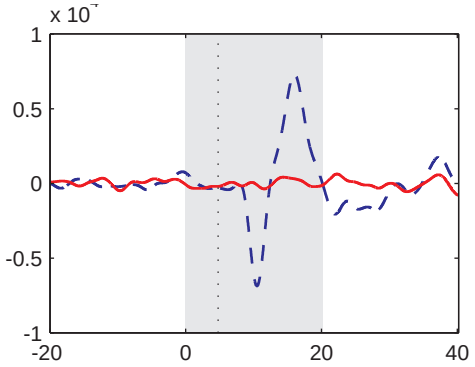
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.9”**



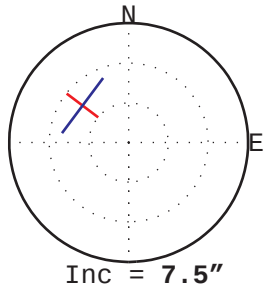


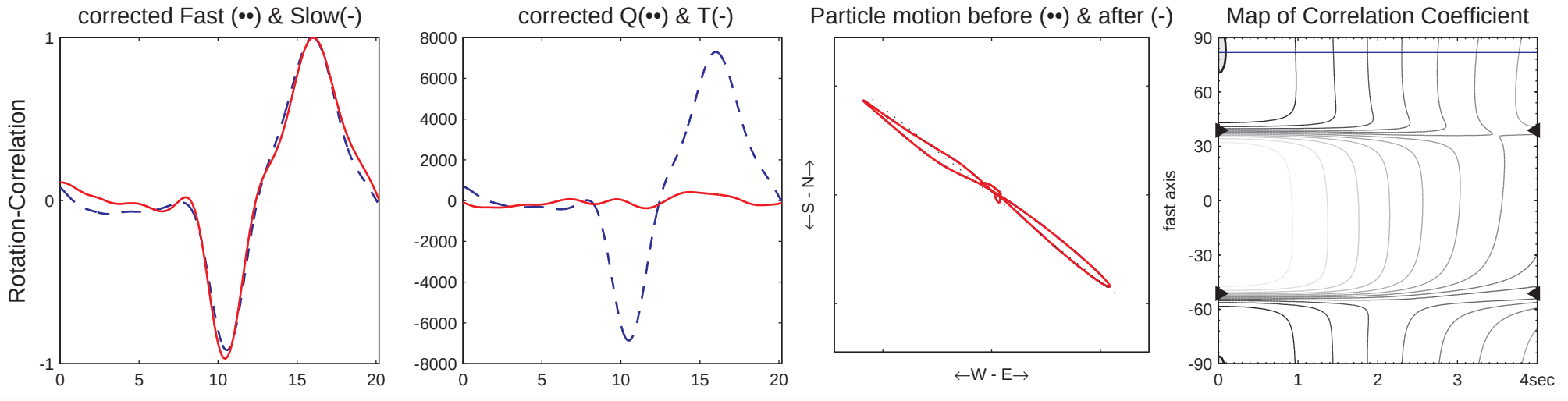


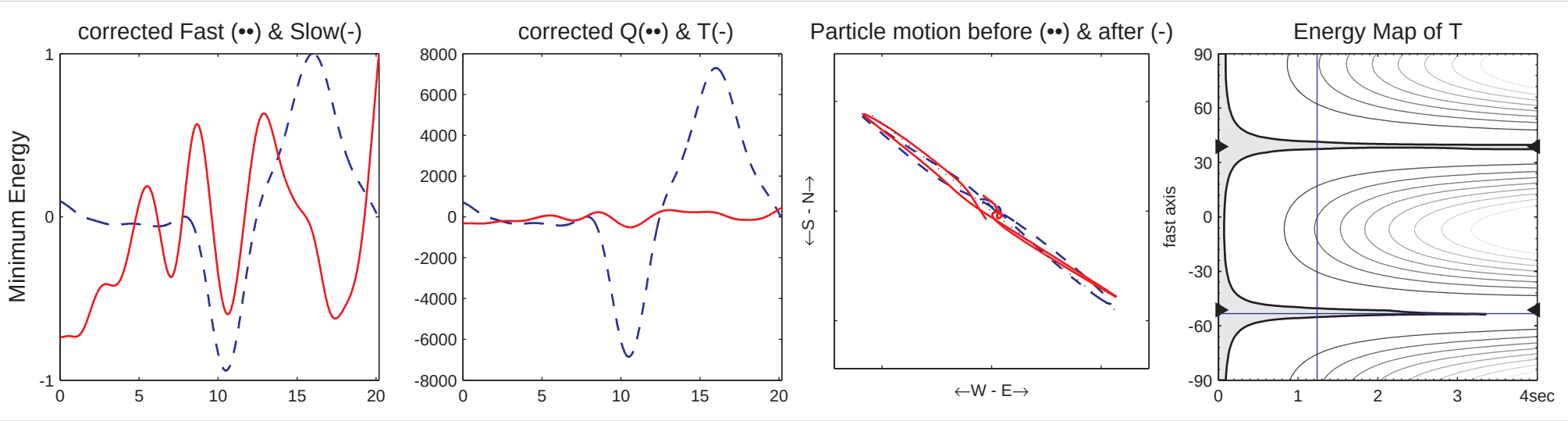
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **MERS** Backazimuth: **308.7”** Distance: **107.58”**
init.Pol.: **125.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.2**

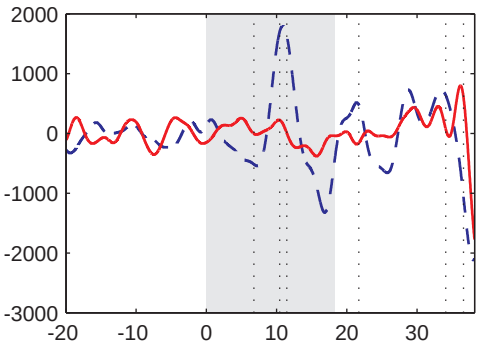
Rotation Correlation:	71<	82° < -87	0.0<0.0s<0.1
Minimum Energy:	-Inf<	-53° < Inf	0.0<1.2s<Inf
Eigenvalue:	-Inf<	37° < Inf	0.0<2.2s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





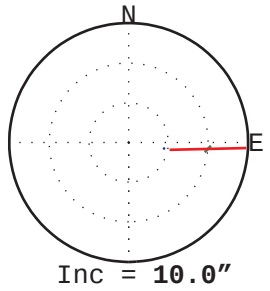




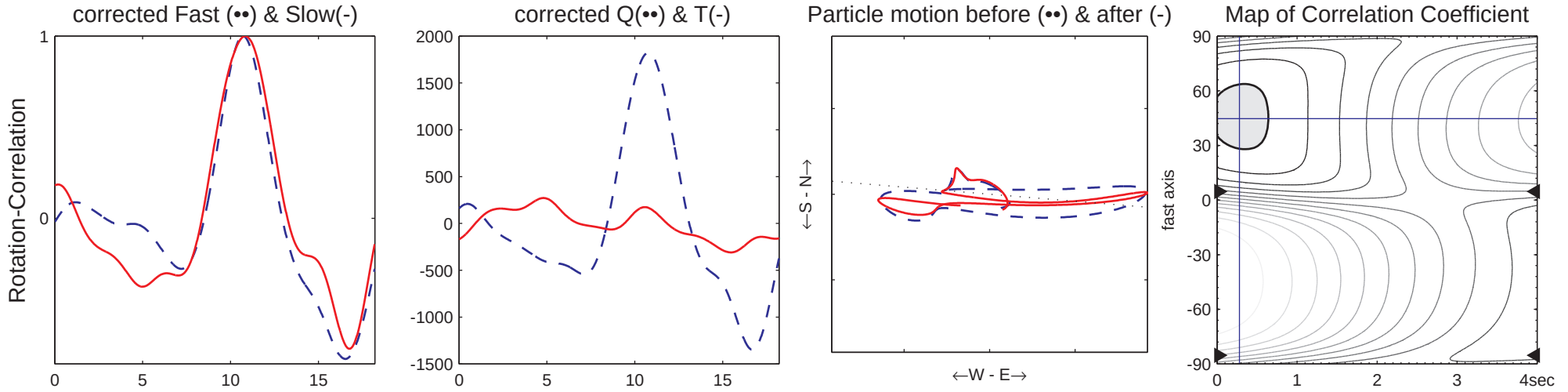
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **MERS** Backazimuth: **94.7”** Distance: **91.35”**
init.Pol.: **276.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

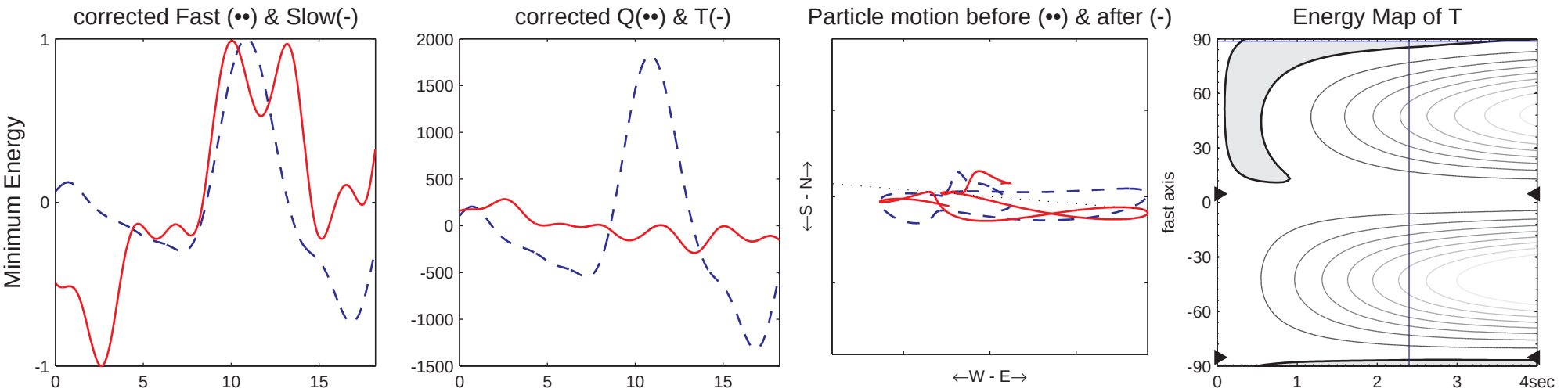
Rotation Correlation:	28<	45° <	64	0.0<0.3s<0.6
Minimum Energy:	11<	89° <	-88	0.1<2.4s<4.0
Eigenvalue:	-Inf<	-89° <	Inf	0.0<2.8s<Inf

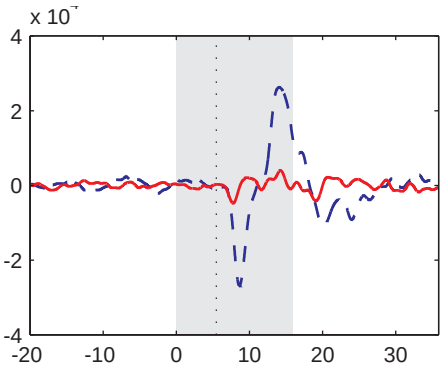
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.0”**



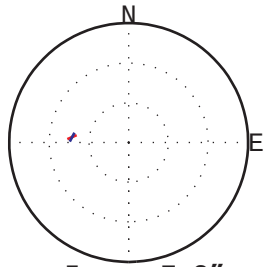


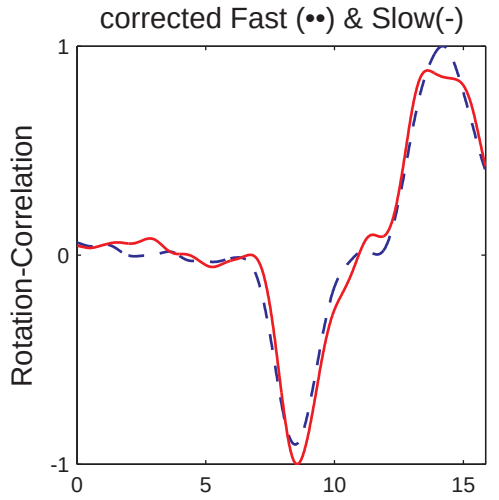


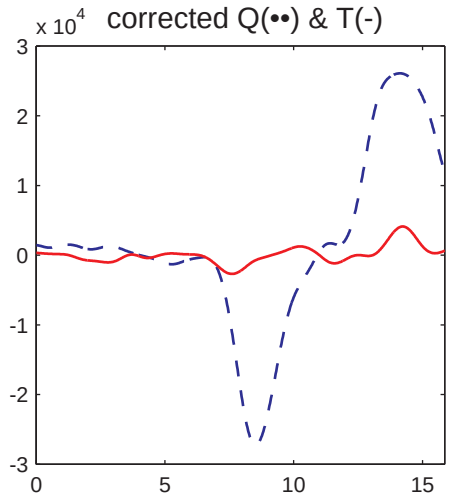
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **MERS** Backazimuth: **275.3”** Distance: **109.79”**
init.Pol.: **91.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.4**

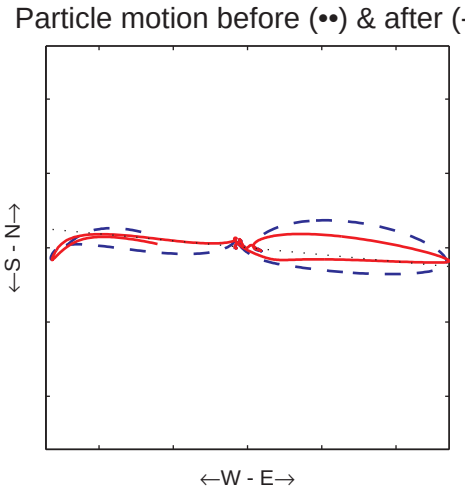
Rotation Correlation:	32<	44° <	57	0.1<0.2s<0.3
Minimum Energy:	23<	67° <	88	0.2<0.3s<1.0
Eigenvalue:	11<	27° <	70	0.2<0.3s<0.6

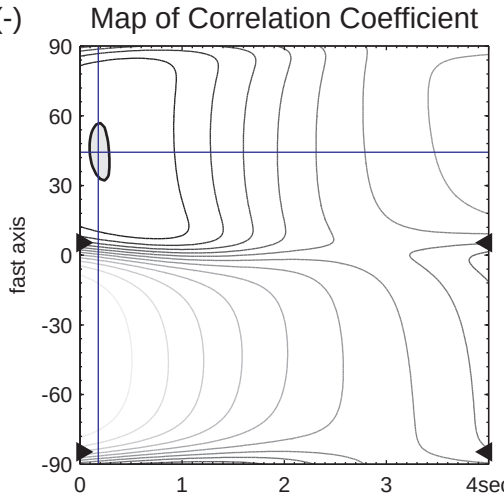
Quality: **fair** IsNull: **No** Phase: **SKS**

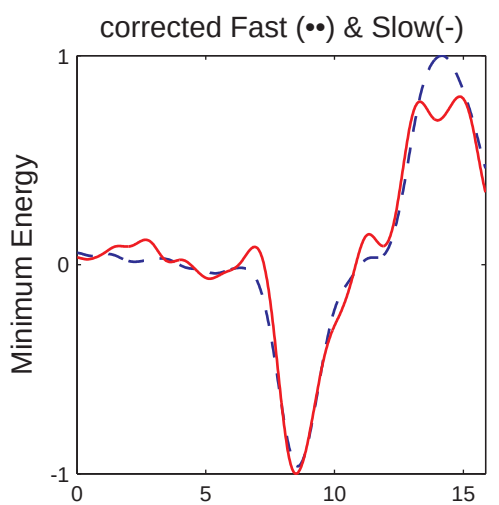


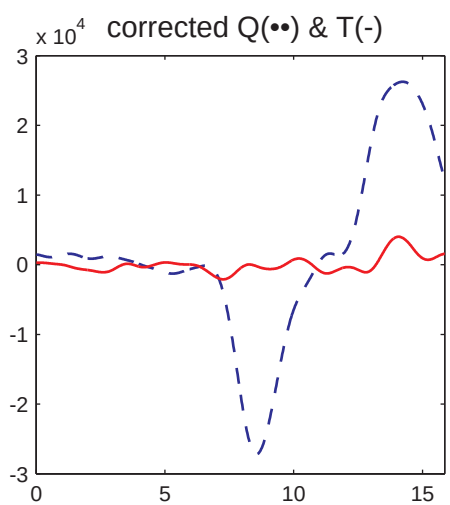


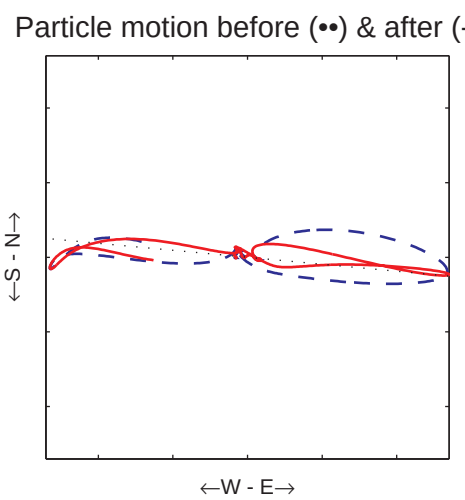


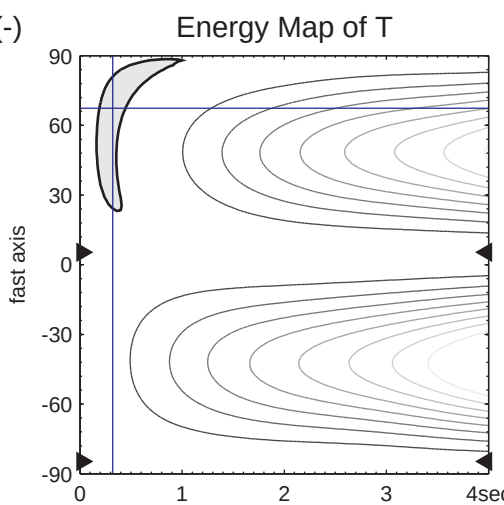


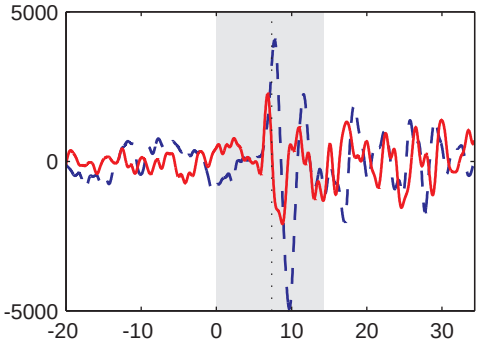








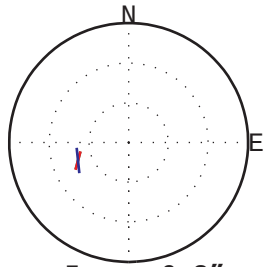




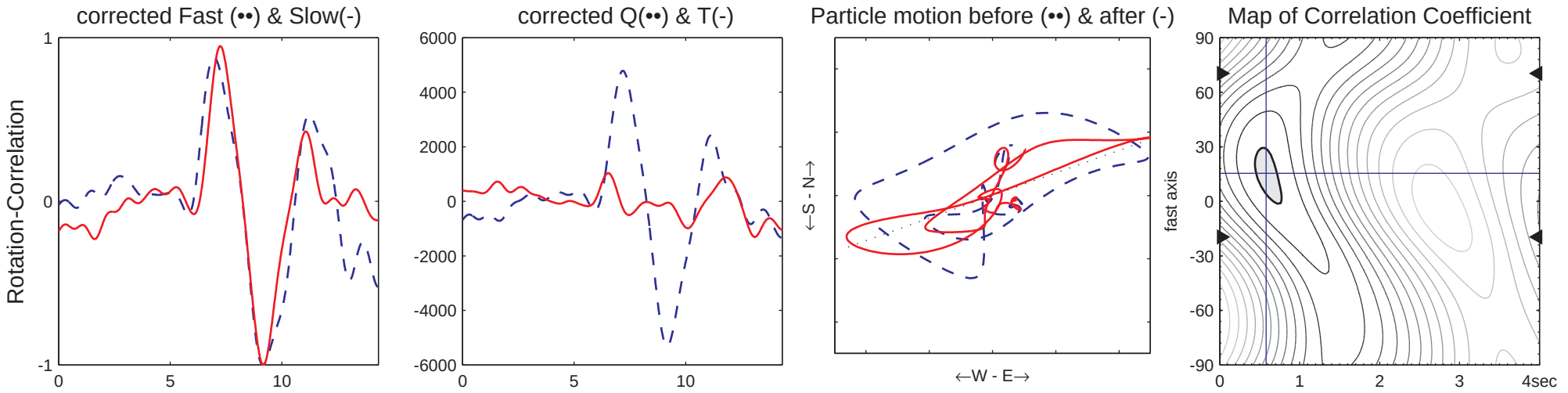
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **MERS** Backazimuth: **250.4”** Distance: **112.20”**
init.Pol.: **56.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.0**

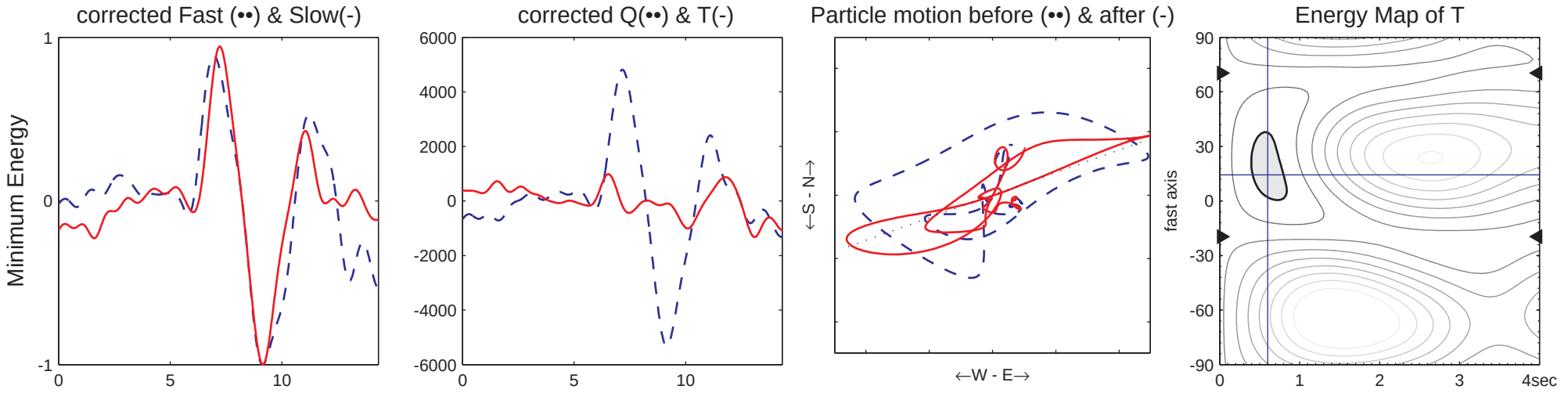
Rotation Correlation:	-2<	15° <	30	0.4<0.6s<0.8
Minimum Energy:	1<	14° <	37	0.4<0.6s<0.8
Eigenvalue:	-29<	-6° <	17	0.5<0.8s<1.2

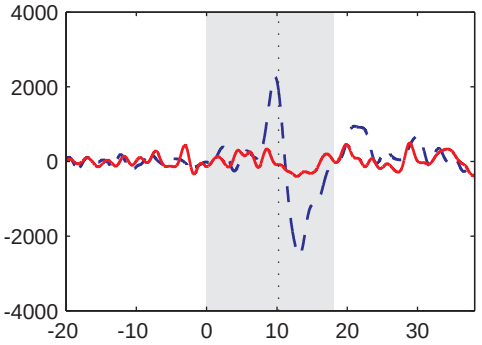
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



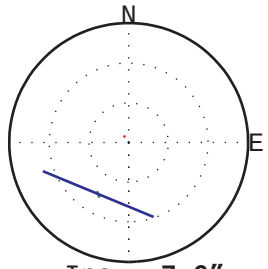




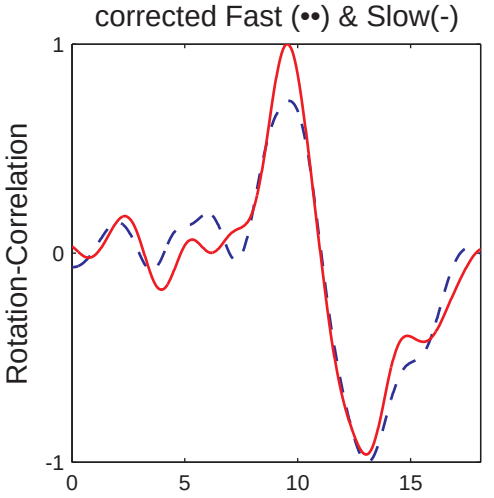
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **MERS** Backazimuth: **210.4”** Distance: **106.75”**
init.Pol.: **17.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

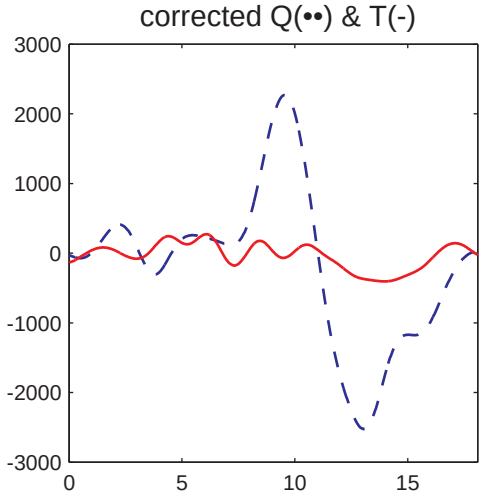
Rotation Correlation:	-35<	-22° < -11	0.1<0.2s<0.4
Minimum Energy:	23<	24° < 29	3.2<4.0s<4.0
Eigenvalue:	-74<	-68° < 5	0.1<3.8s<4.0

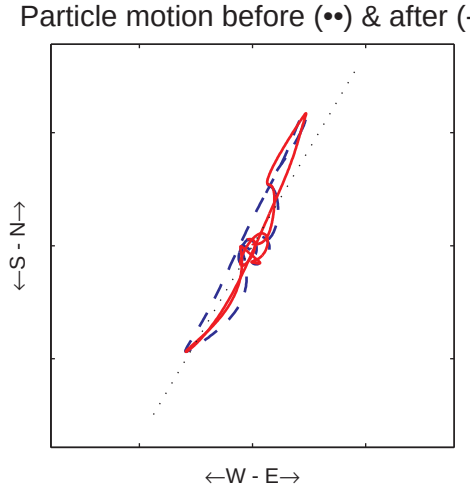
Quality: **good** IsNull: **Yes** Phase: **SKS**

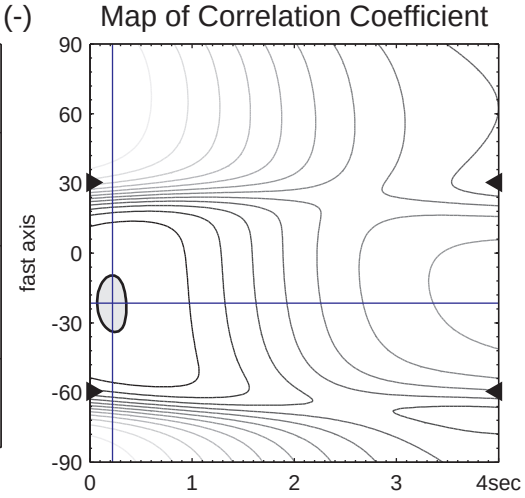


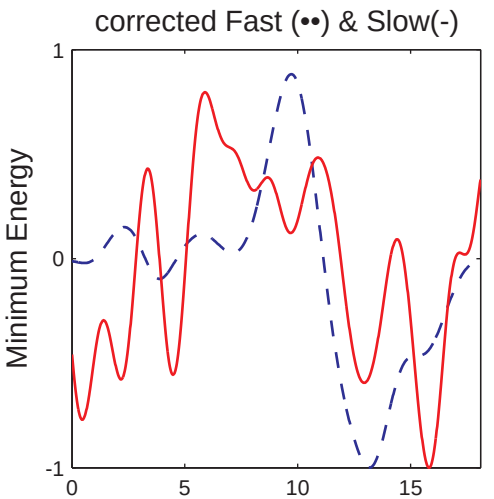
Inc = **7.6”**

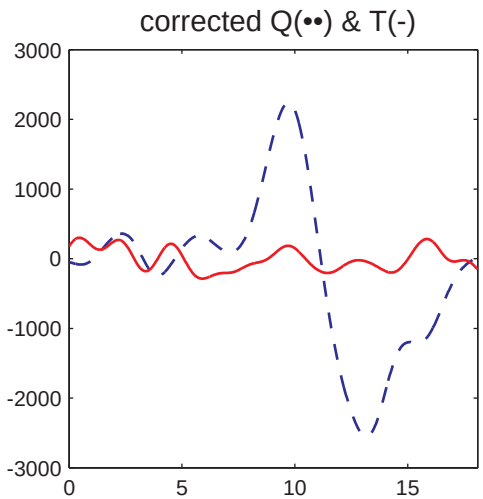


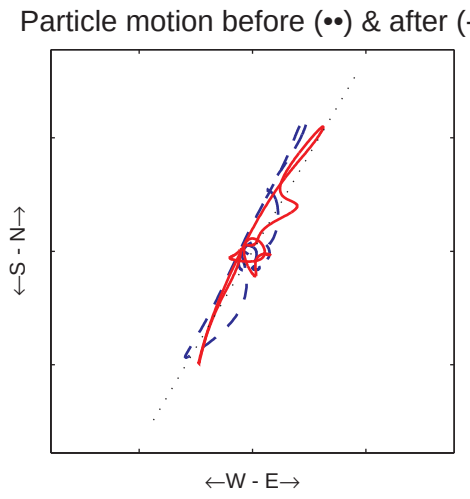


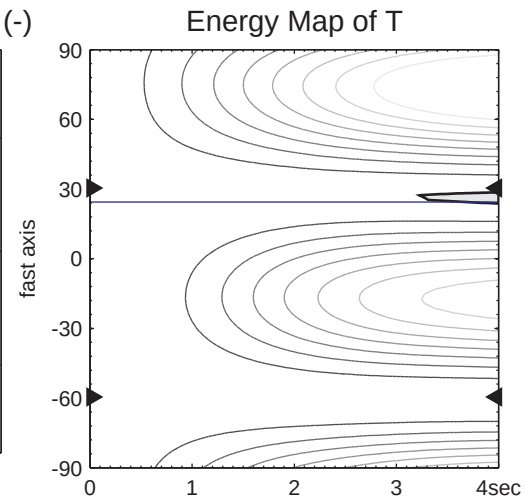


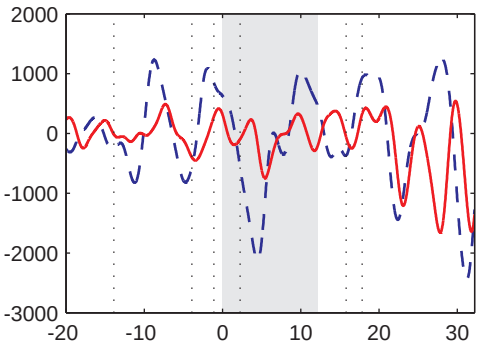








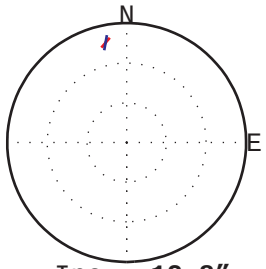




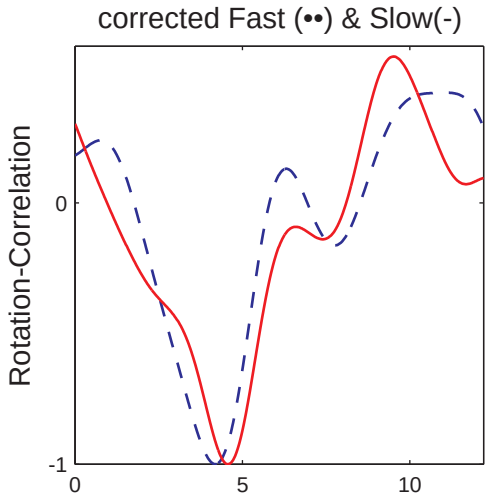
Event: **09-Sep-2011 (252) 19:41 49.53N -126.89E 22km Mw=6.4**
Station: **MERS** Backazimuth: **348.1”** Distance: **92.04”**
init.Pol.: **162.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

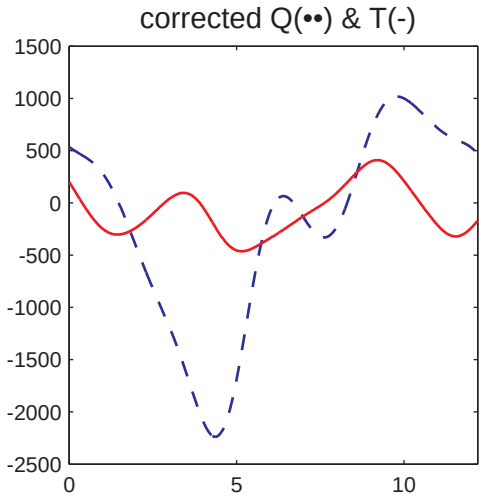
Rotation Correlation:	14<	26° <	41	0.0<0.3s<0.6
Minimum Energy:	-Inf<	40° <	Inf	0.0<0.4s<Inf
Eigenvalue:	-17<	10° <	74	0.0<0.5s<2.2

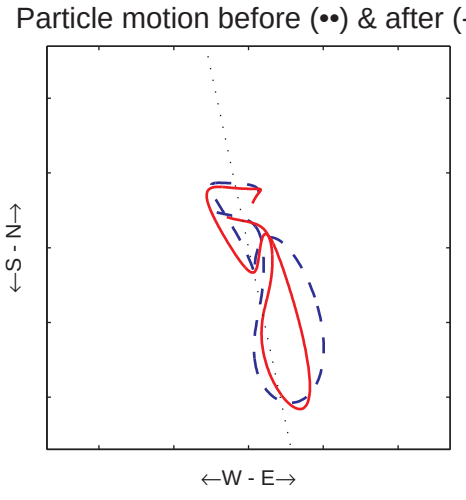
Quality: **fair** IsNull: **No** Phase: **SKKS**

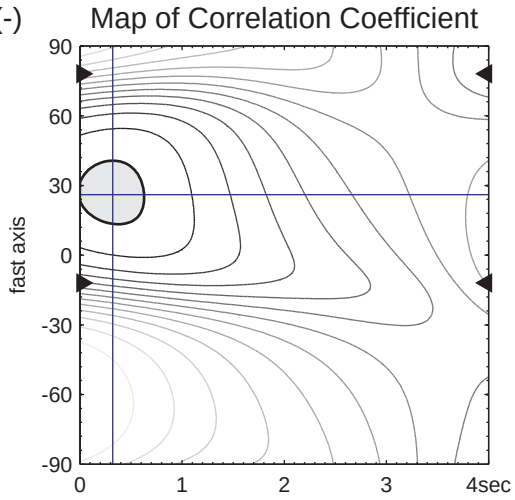


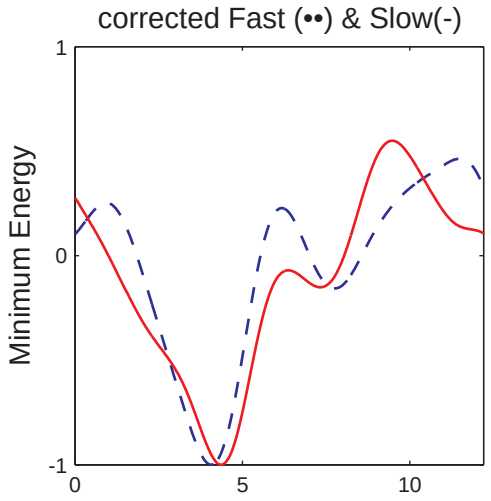
Inc = **12.8”**

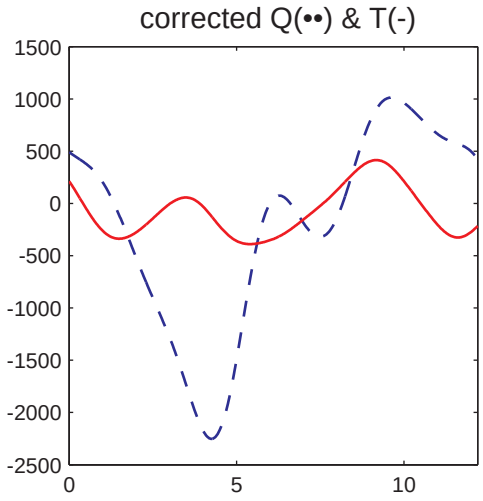


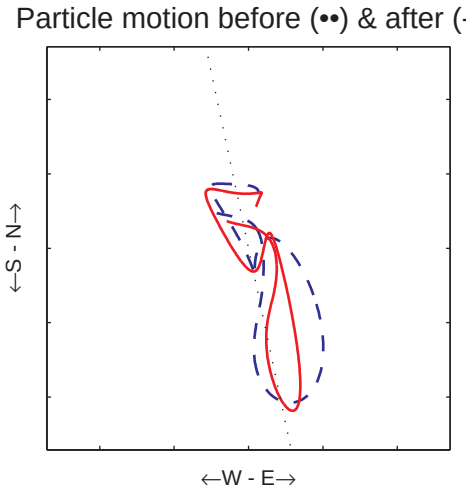


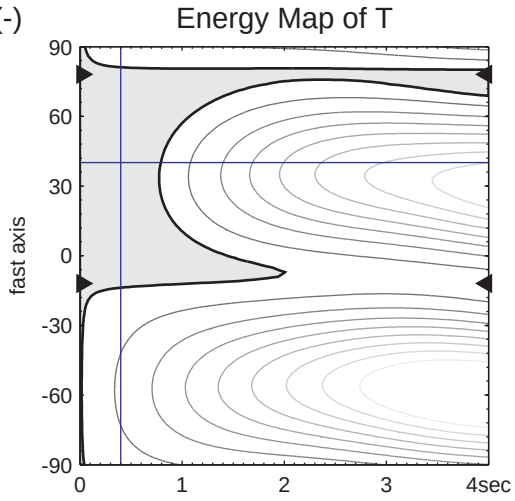


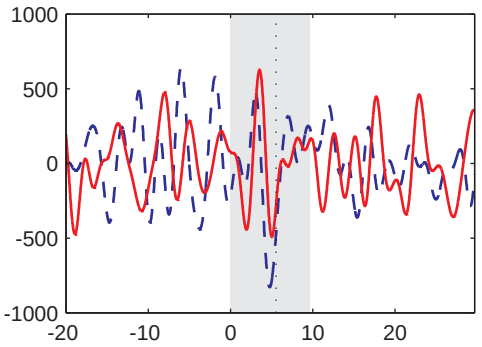








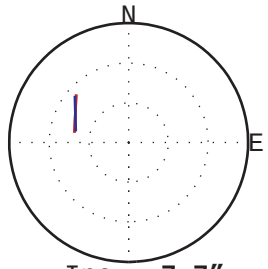




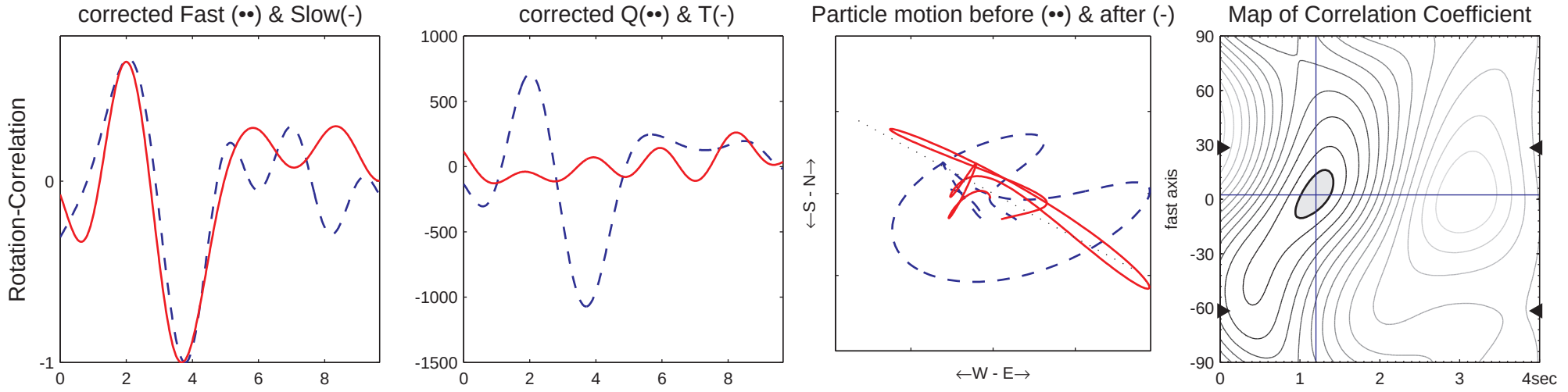
Event: **07-Nov-2011 (311) 22:35 11.56N -85.86E 177km Mw=6.0**
Station: **MERS** Backazimuth: **298.4”** Distance: **106.03”**
init.Pol.: **113.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.2**

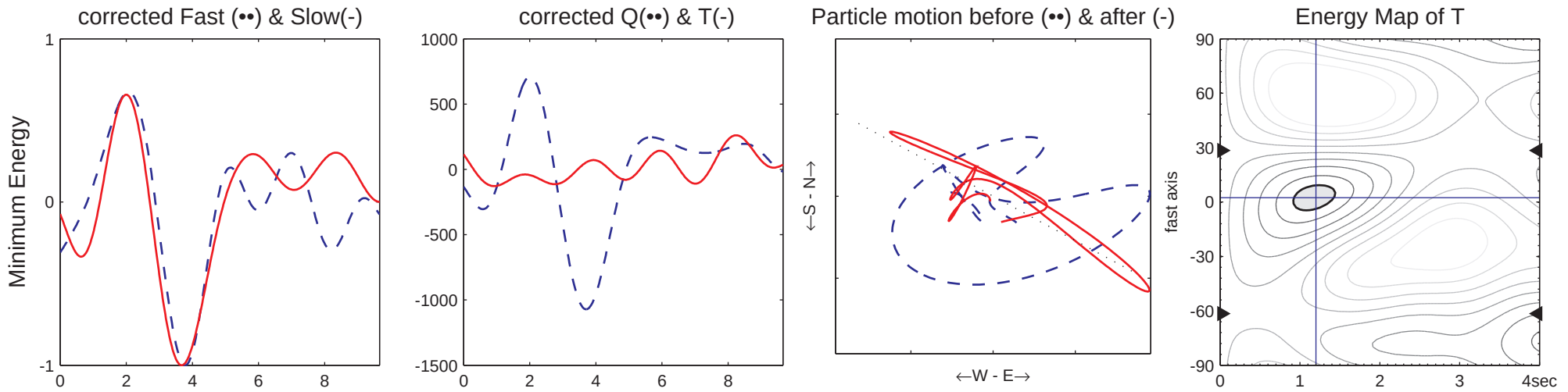
Rotation Correlation:	-11<	2° <	17	1.0<1.2s<1.4
Minimum Energy:	-5<	2° <	9	0.9<1.2s<1.4
Eigenvalue:	-21<	-2° <	11	0.7<1.1s<1.4

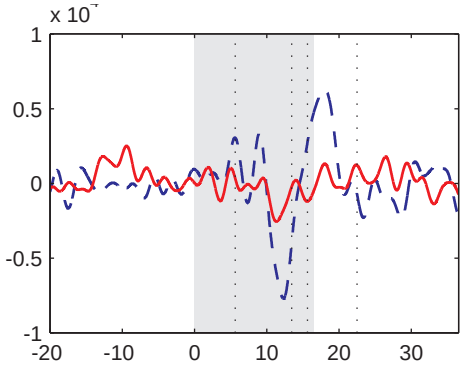
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.7”**



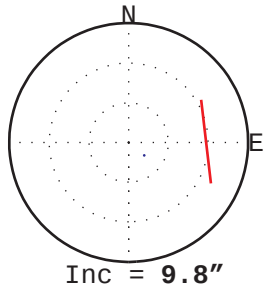


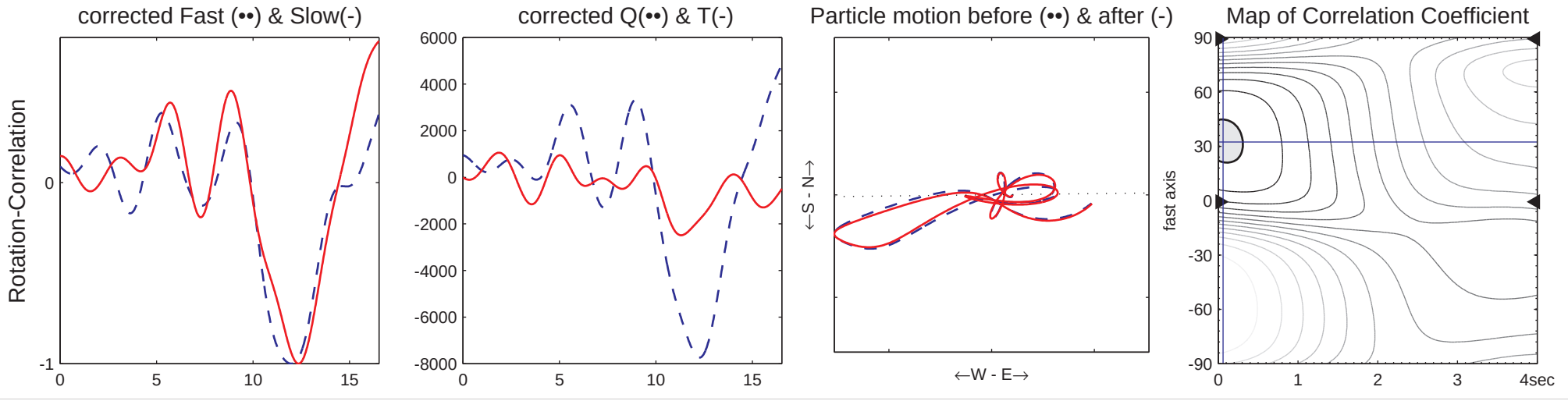


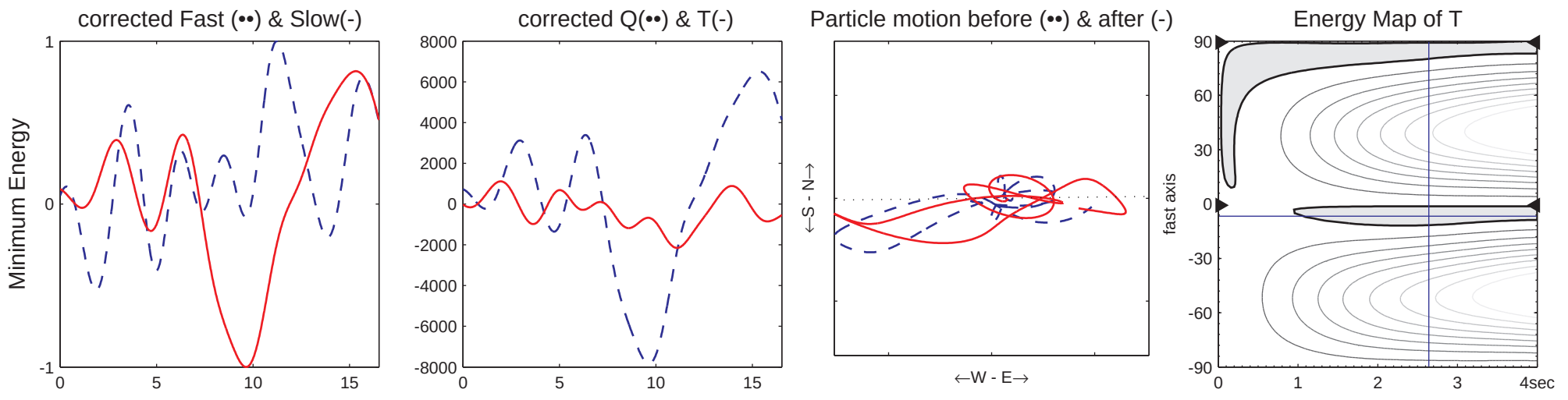
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **MERS** Backazimuth: **89.3”** Distance: **92.48”**
init.Pol.: **250.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

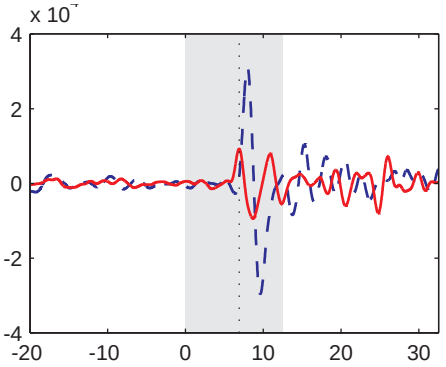
Rotation Correlation:	21<	32° <	45	0.0<0.1s<0.3
Minimum Energy:	-13<	-7° <	-3	1.0<2.6s<4.0
Eigenvalue:	74<	77° <	82	3.6<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





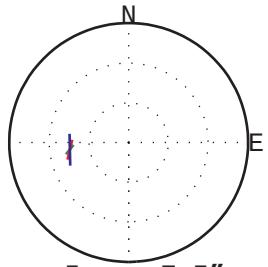


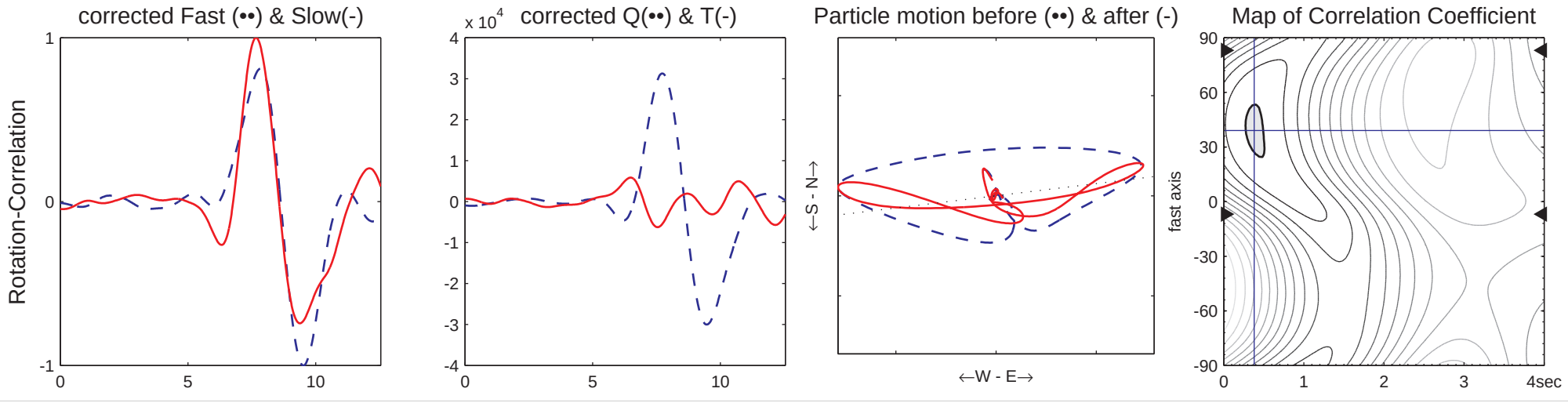


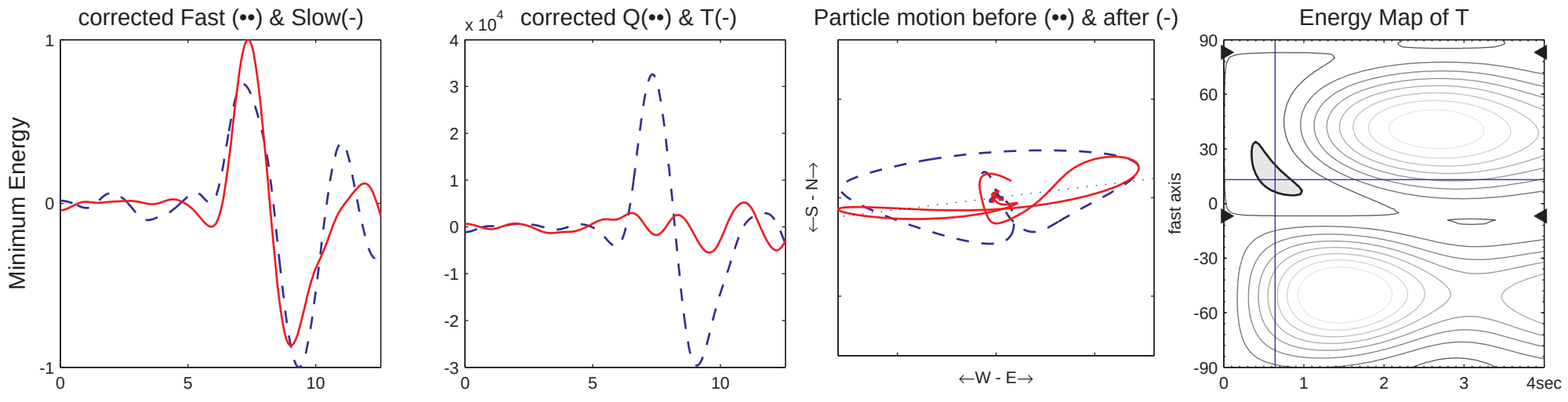
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **MERS** Backazimuth: **263.1”** Distance: **106.72”**
init.Pol.: **71.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.0**

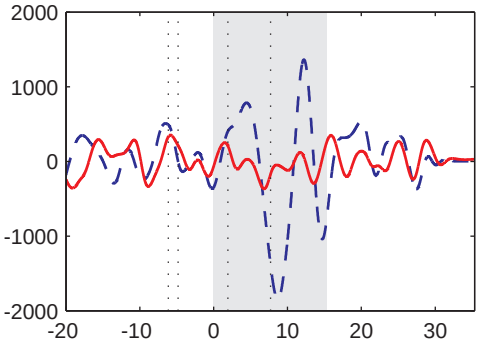
Rotation Correlation:	25<	39° <	54	0.3<0.4s<0.5
Minimum Energy:	5<	13° <	33	0.4<0.6s<1.0
Eigenvalue:	-11<	-1° <	11	0.6<1.0s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





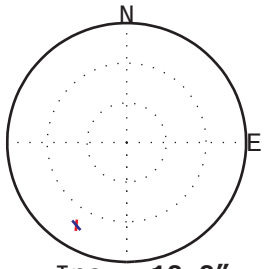




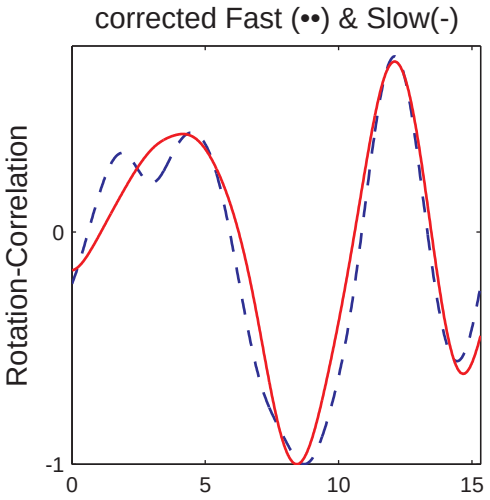
Event: **11-Dec-2011 (345) 09:54 -56.01N -28.18E 116km** Mw=**6.2**
Station: **MERS** Backazimuth: **211.3”** Distance: **107.00”**
init.Pol.: **27.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

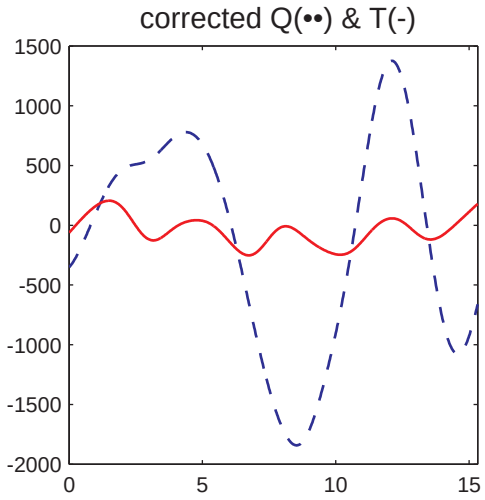
Rotation Correlation:	-31<	-19° <	-8	0.1<0.2s<0.4
Minimum Energy:	-50<	5° <	23	0.1<0.4s<1.0
Eigenvalue:	-66<	-41° <	13	0.2<0.4s<2.3

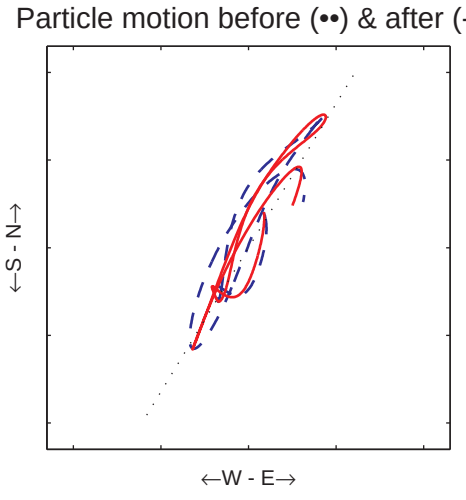
Quality: **fair** IsNull: **No** Phase: **SKKS**

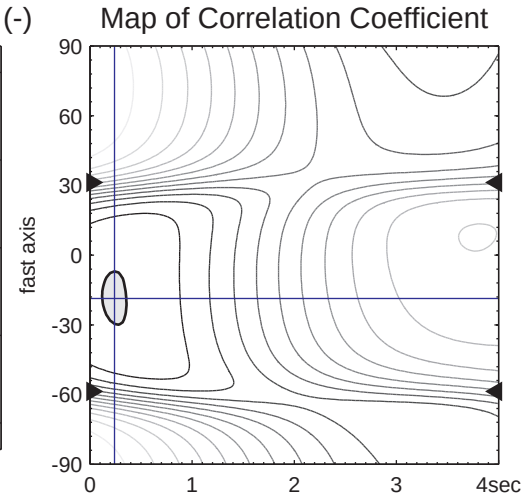


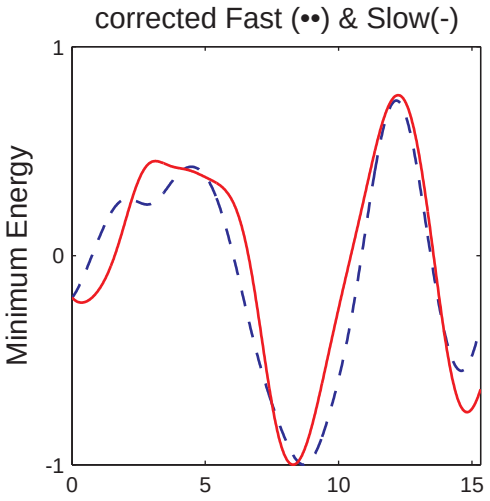
Inc = **12.2”**

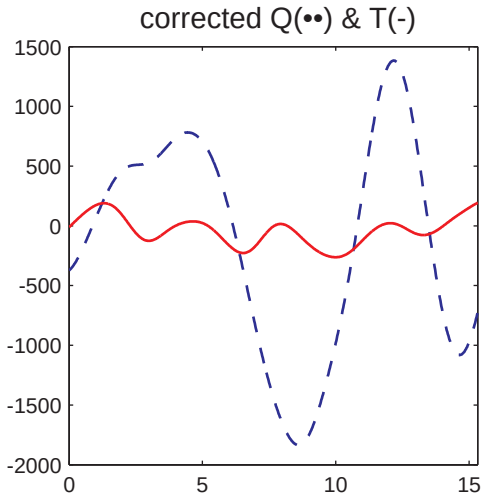


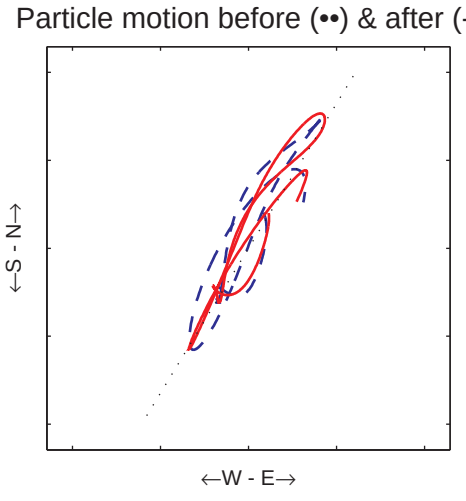


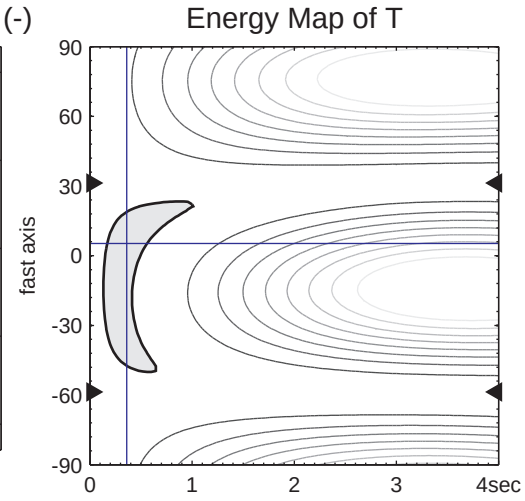


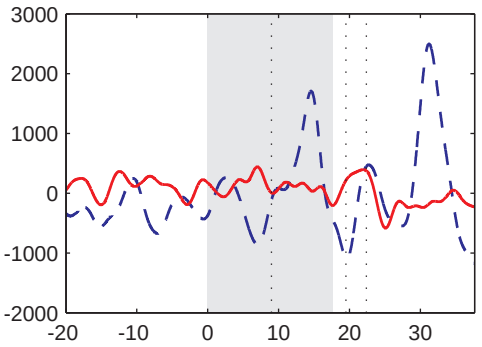








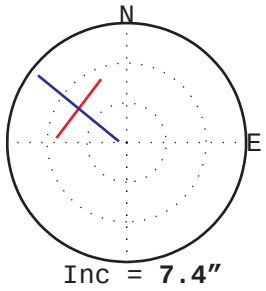


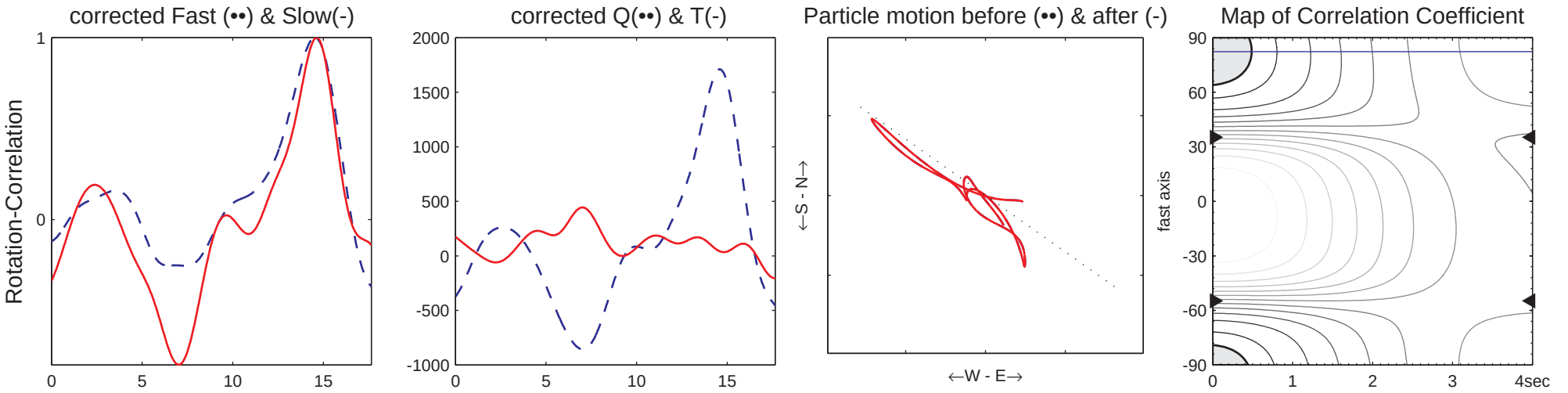


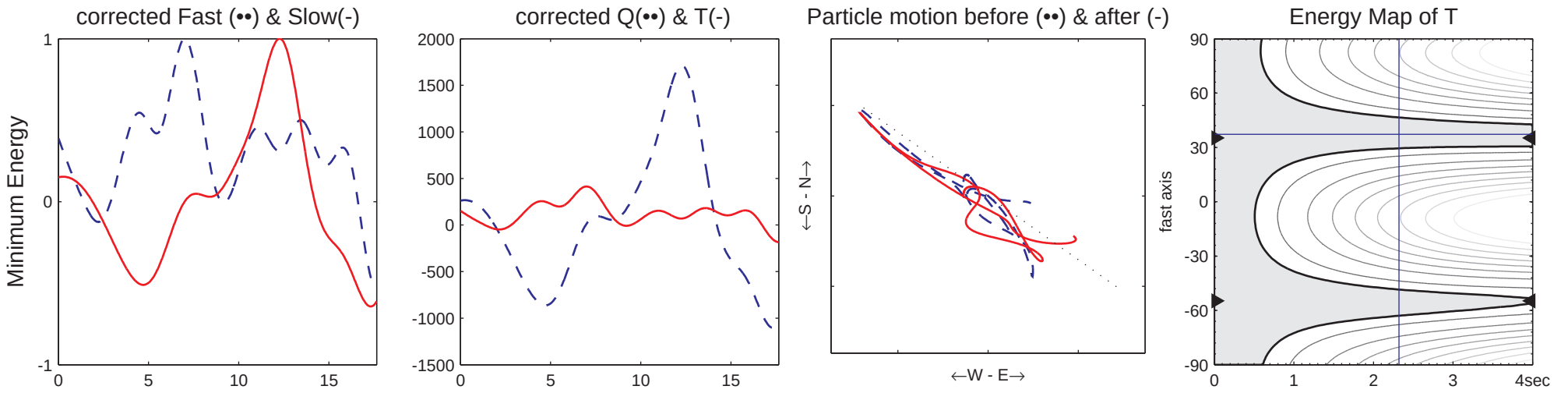
Event: **13-Jun-2007 (164) 19:29 13.55N -90.62E 23km Mw=6.7**
Station: **PINB** Backazimuth: **305.3”** Distance: **108.09”**
init.Pol.: **136.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

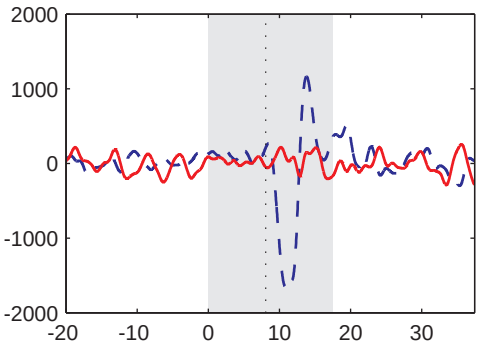
Rotation Correlation:	64<	82° <	-80	0.0<0.0s<0.5
Minimum Energy:	-Inf<	37° <	Inf	0.0<2.3s<Inf
Eigenvalue:	-Inf<	-51° <	Inf	0.0<3.3s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





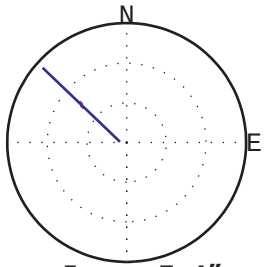


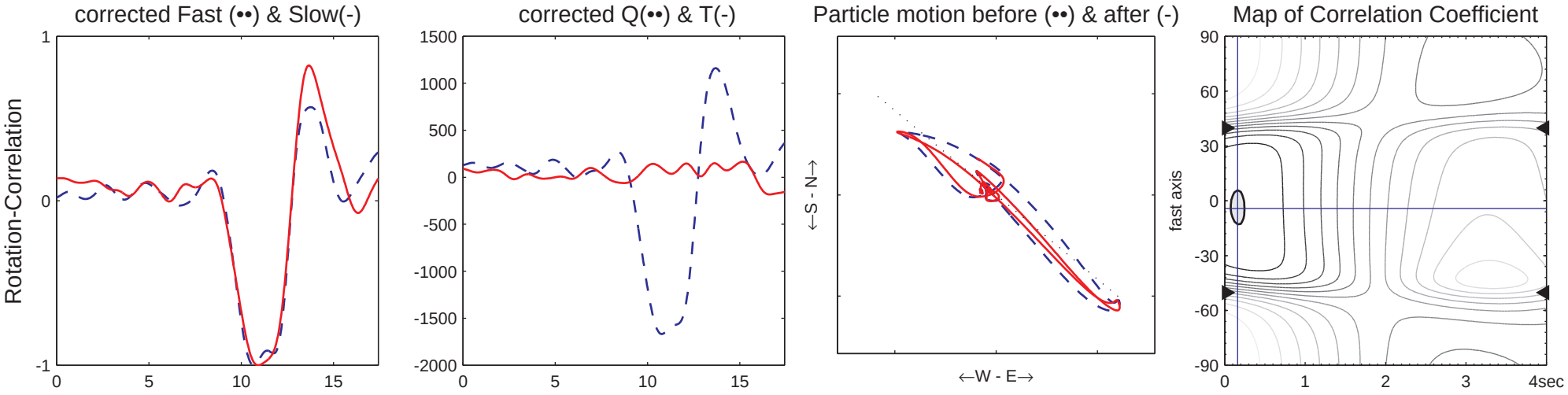


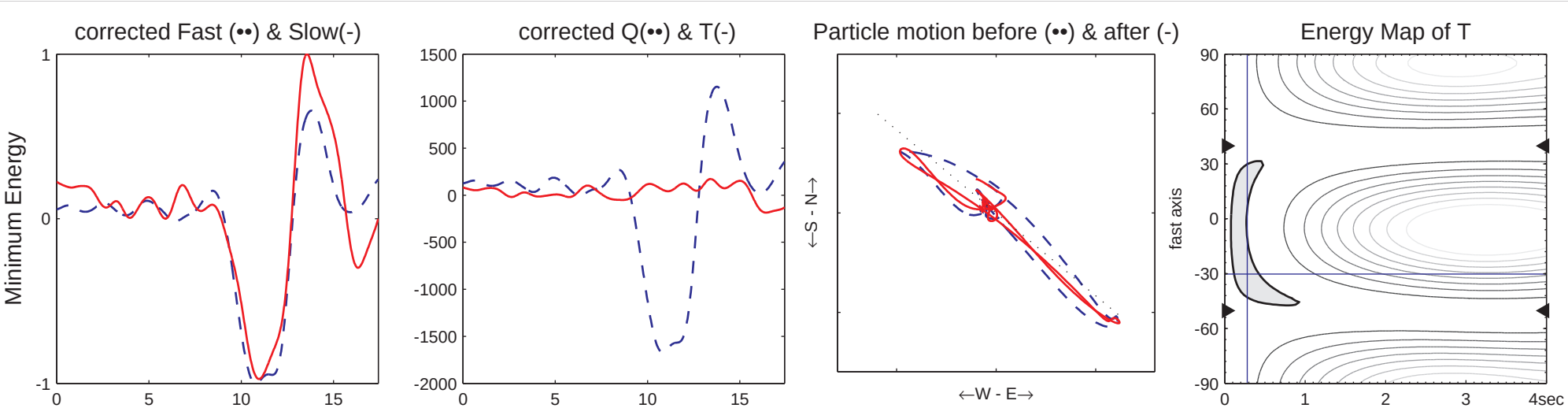
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **PINB** Backazimuth: **309.8”** Distance: **108.03”**
init.Pol.: **140.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.4**

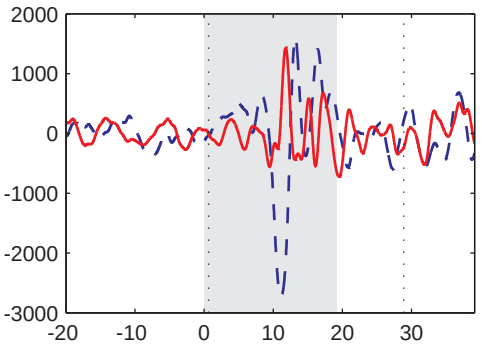
Rotation Correlation:	-14<	-4° <	5	0.1<0.2s<0.2
Minimum Energy:	-50<	-30° <	29	0.1<0.3s<0.9
Eigenvalue:	-52<	-46° <	-48	3.1<3.4s<3.6

Quality: **fair** IsNull: **Yes** Phase: **SKS**





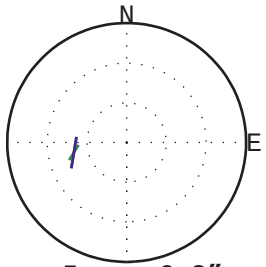




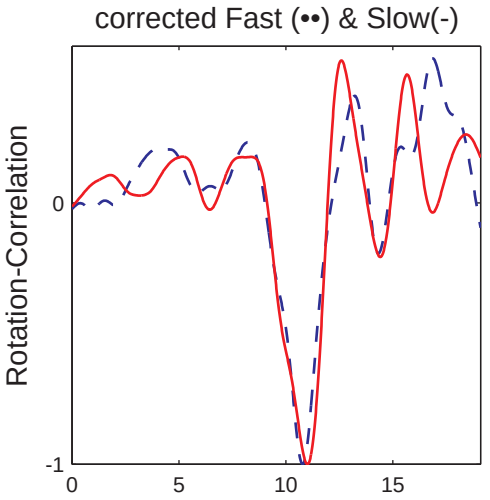
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **PINB** Backazimuth: **259.2”** Distance: **112.91”**
init.Pol.: **80.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.5**

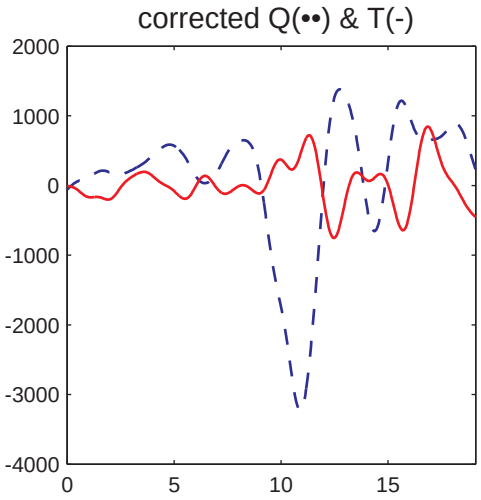
Rotation Correlation:	19<	32° <	44	0.4<0.6s<0.8
Minimum Energy:	5<	9° <	13	0.8<1.0s<1.2
Eigenvalue:	3<	9° <	17	0.8<1.0s<1.2

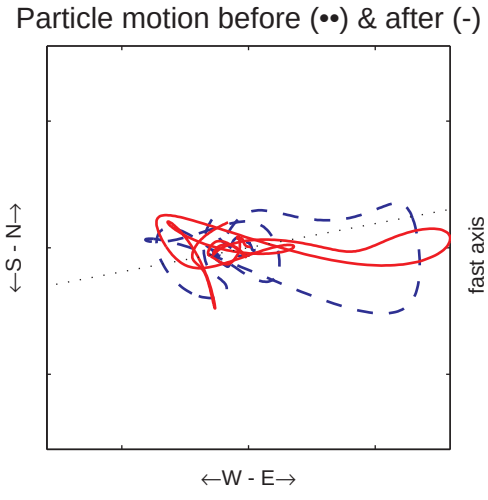
Quality: **fair** IsNull: **No** Phase: **SKS**

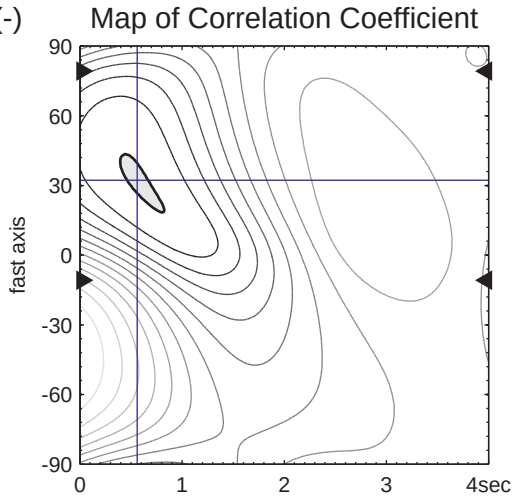


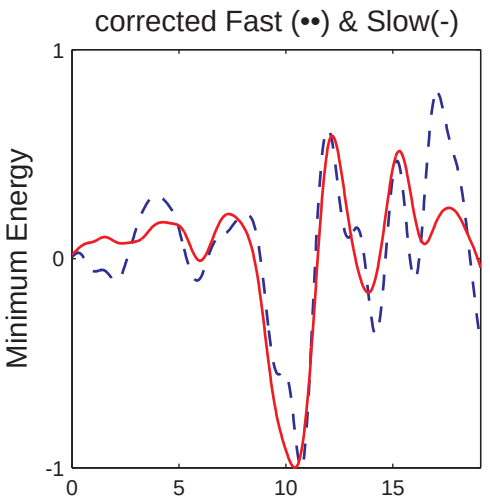
Inc = **6.8”**

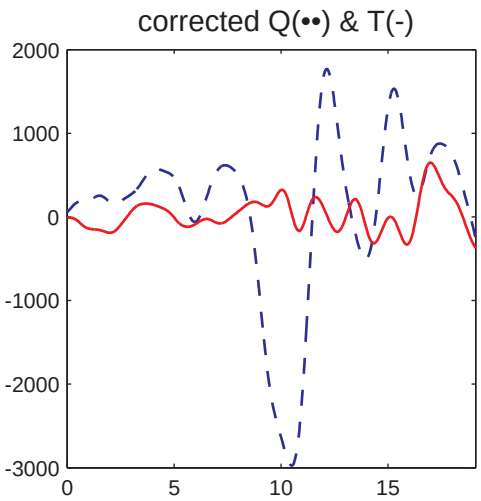


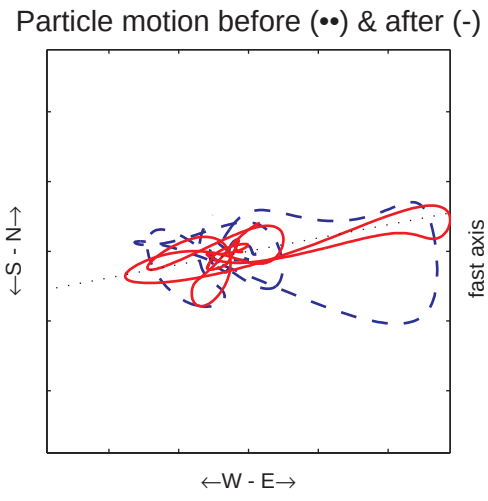


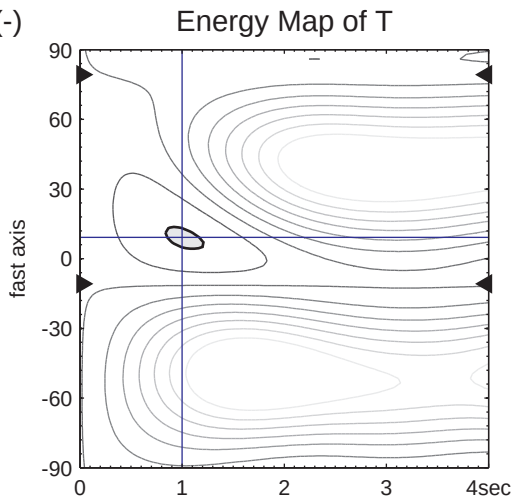


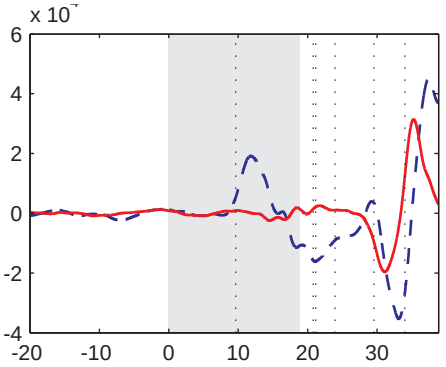








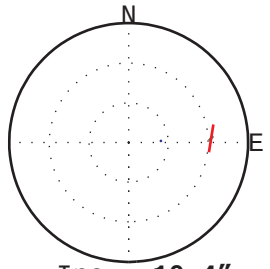




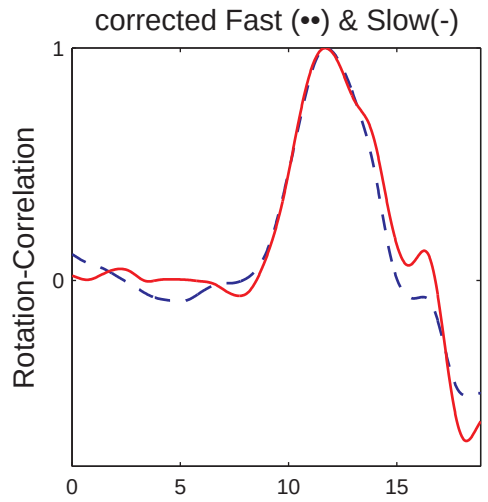
Event: **26-Jul-2007 (207) 05:40 2.82N 127.48E 25km Mw=6.9**
Station: **PINB** Backazimuth: **87.1”** Distance: **89.08”**
init.Pol.: **274.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**12.9**

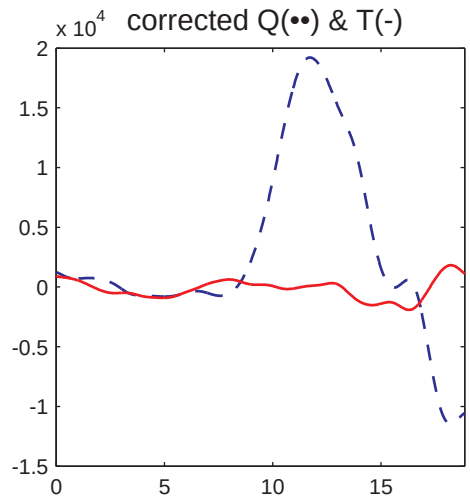
Rotation Correlation:	20<	41° <	63	0.0<0.2s<0.6
Minimum Energy:	-1<	9° <	78	0.1<0.9s<3.3
Eigenvalue:	86<	87° < -92		2.3<3.2s<4.0

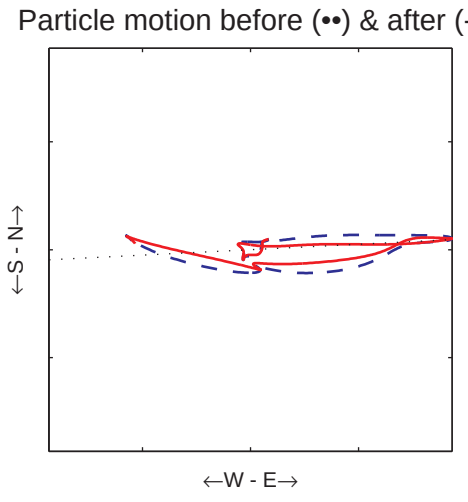
Quality: **fair** IsNull: **Yes** Phase: **SKS**

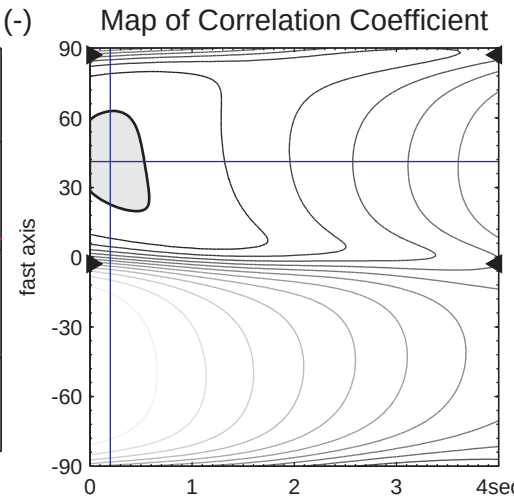


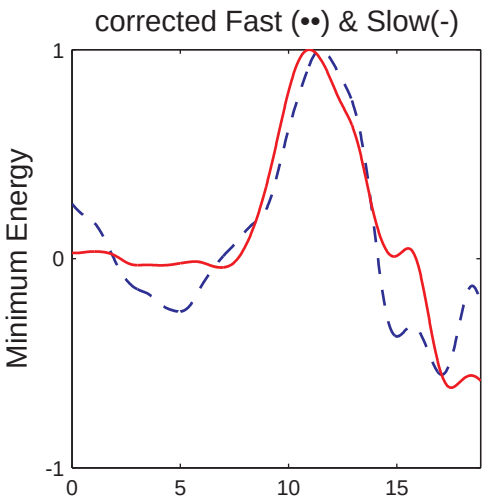
Inc = **10.4”**

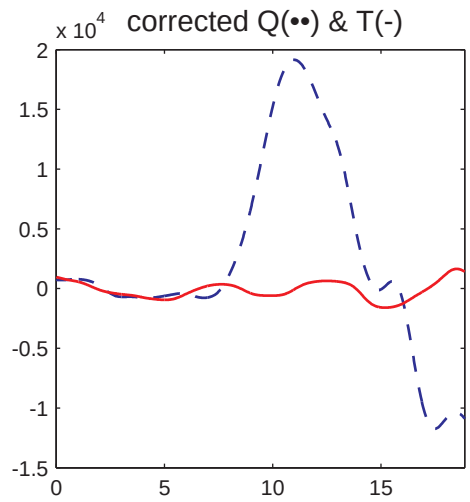


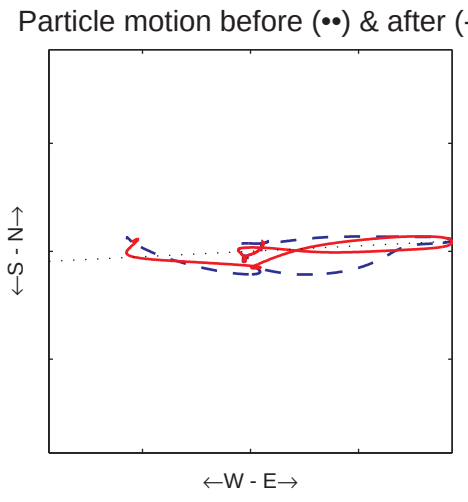


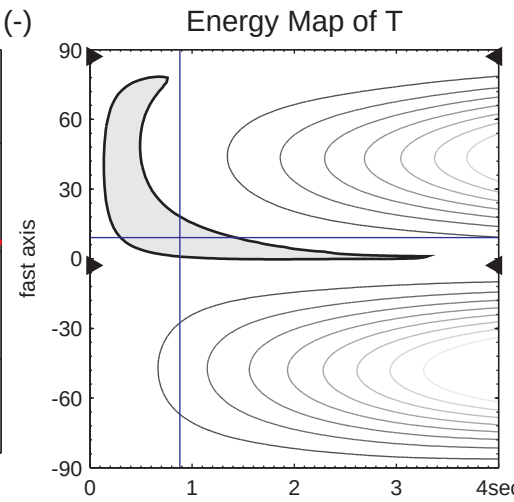


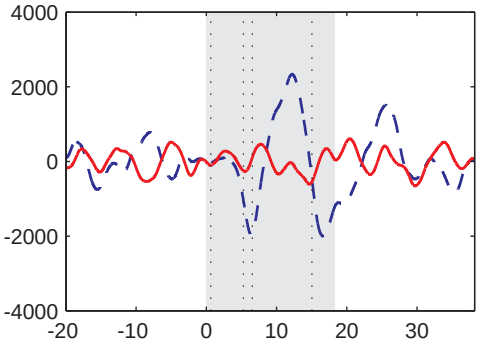








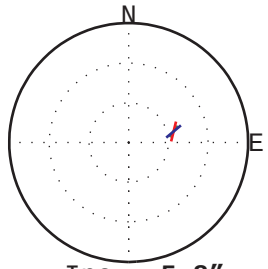


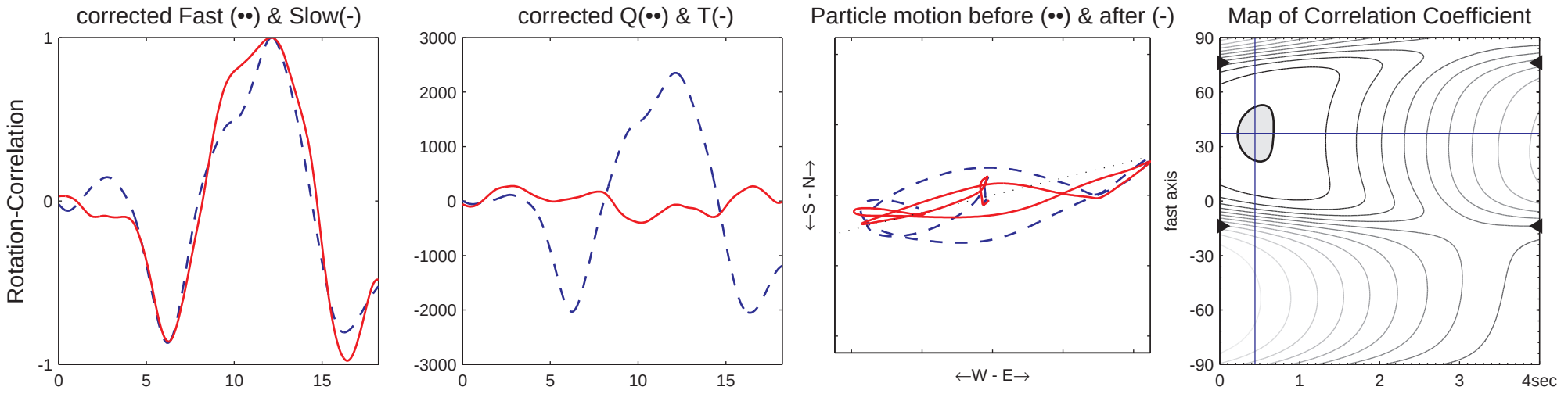


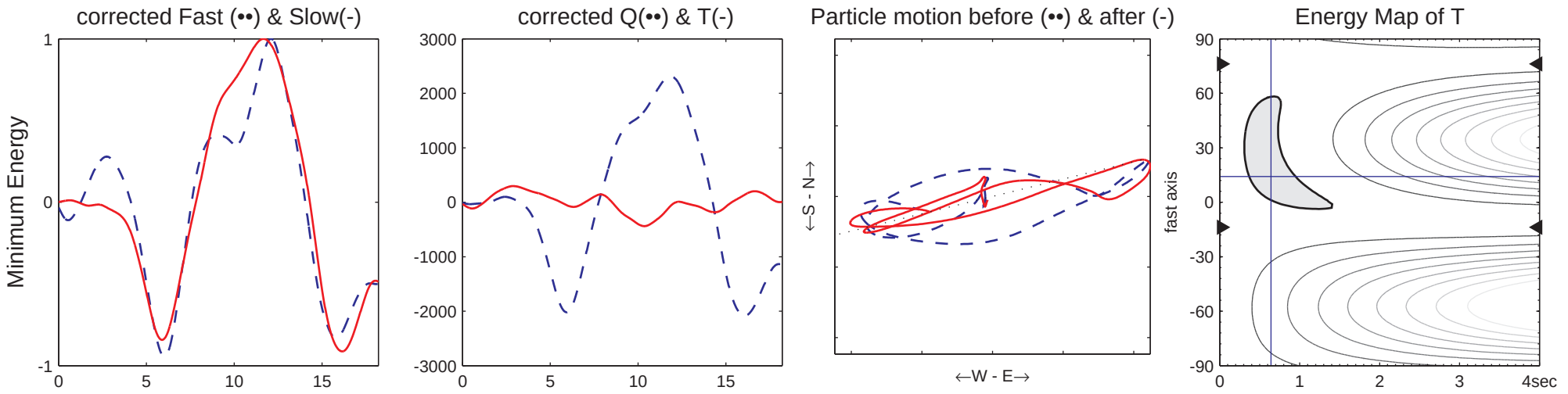
Event: **16-Aug-2007 (228) 08:39 -9.83N 159.47E 10km Mw=6.7**
Station: **PINB** Backazimuth: **76.2”** Distance: **121.76”**
init.Pol.: **262.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

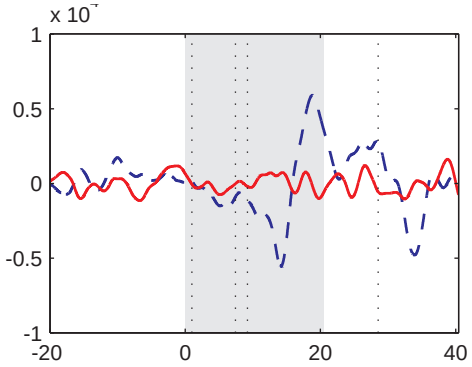
Rotation Correlation:	22<	37° <	53	0.2<0.4s<0.7
Minimum Energy:	-3<	14° <	58	0.3<0.6s<1.4
Eigenvalue:	13<	50° <	74	0.4<0.6s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





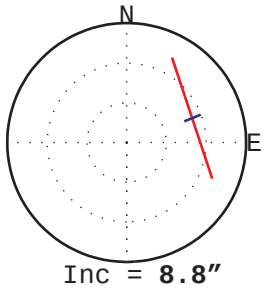


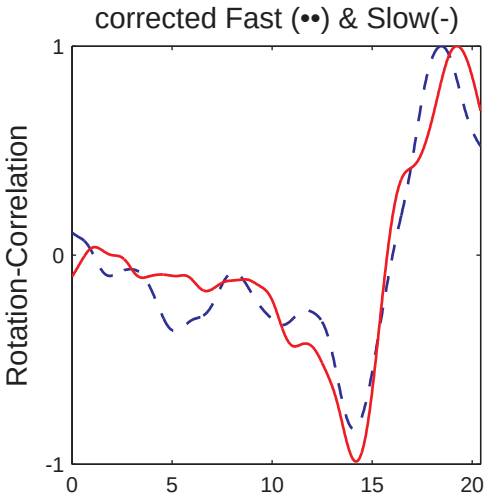


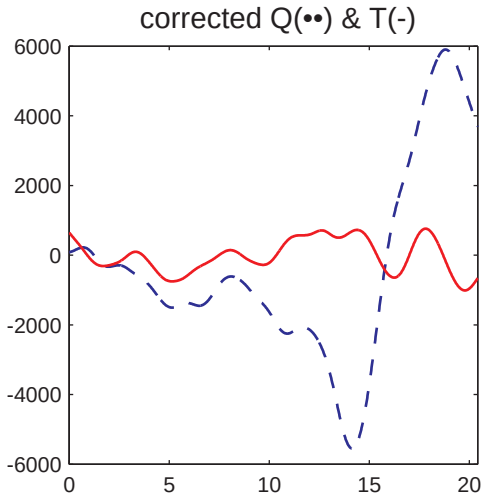
Event: **30-Sep-2007 (273) 02:08 10.46N 145.68E 14km Mw=7.1**
Station: **PINB** Backazimuth: **69.6”** Distance: **98.05”**
init.Pol.: **253.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.7**

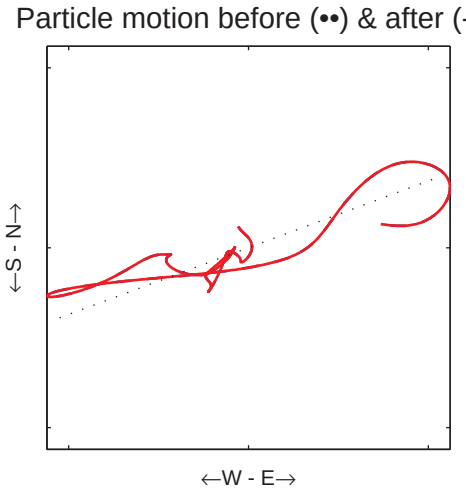
Rotation Correlation:	18<	29° <	41	0.0<0.0s<0.2
Minimum Energy:	-Inf<	-18° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	68° <	Inf	0.0<0.6s<Inf

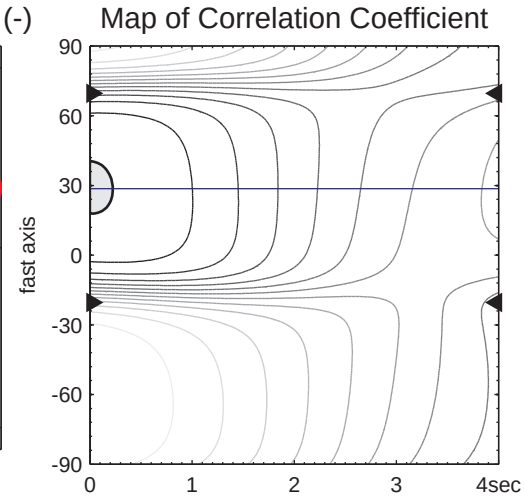
Quality: **good** IsNull: **Yes** Phase: **SKS**

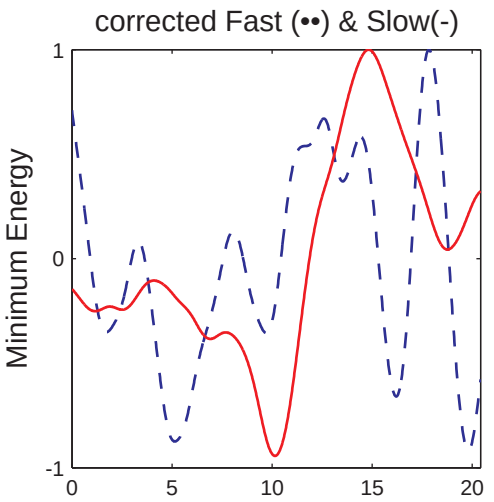


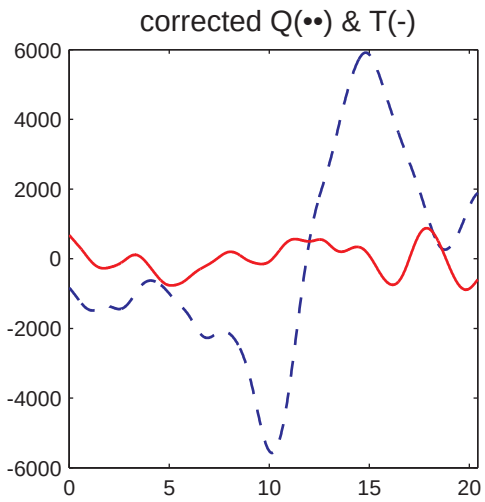


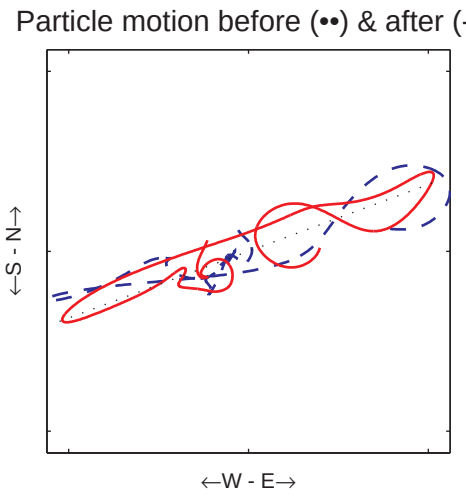


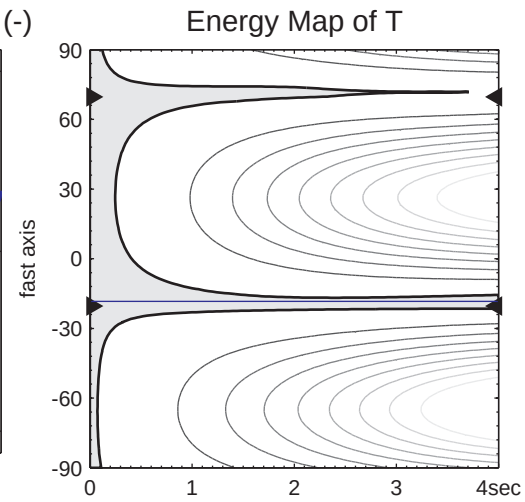


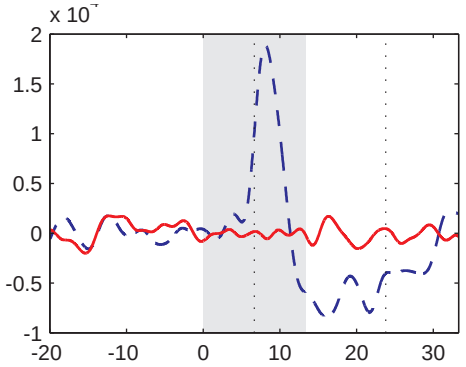








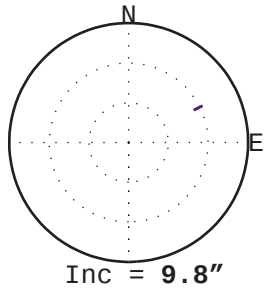


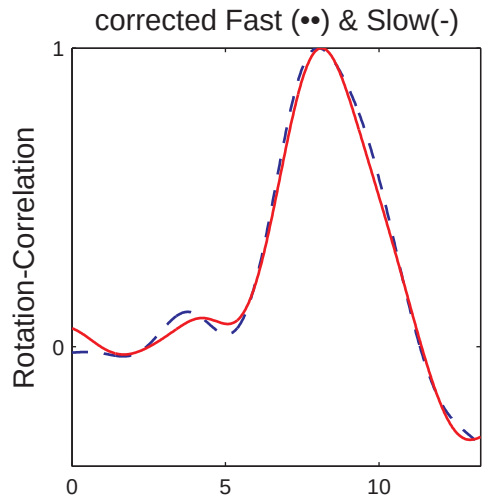


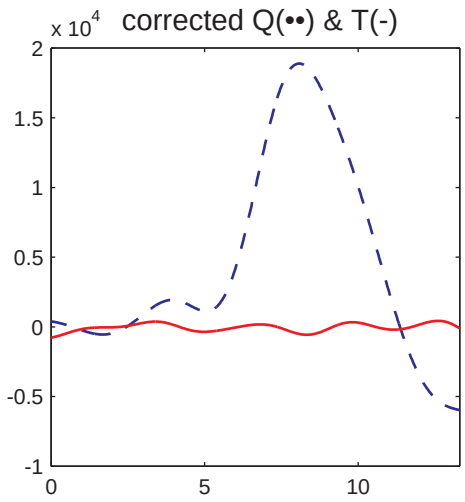
Event: **31-Oct-2007 (304) 03:30 18.90N 145.39E 207km Mw=7.2**
Station: **PINB** Backazimuth: **63.5”** Distance: **92.17”**
init.Pol.: **244.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**36.0**

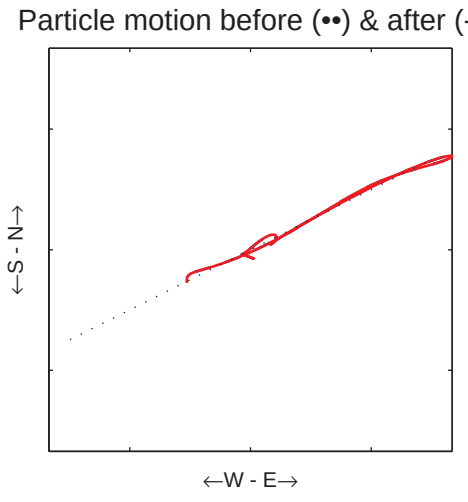
Rotation Correlation:	-2<	20° <	42	0.0<0.0s<0.1
Minimum Energy:	-Inf<	64° <	Inf	0.0<0.3s<Inf
Eigenvalue:	-Inf<	64° <	Inf	0.0<0.3s<Inf

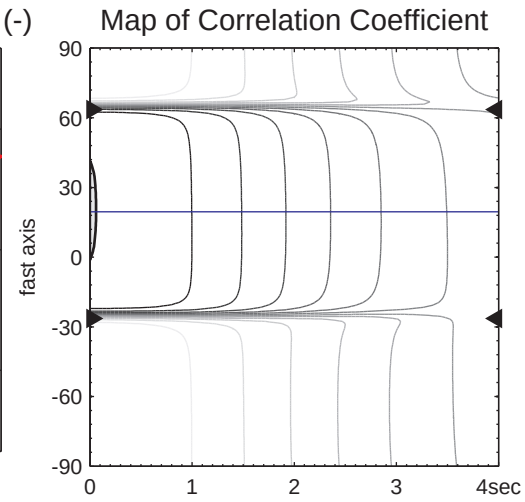
Quality: **good** IsNull: **Yes** Phase: **SKS**

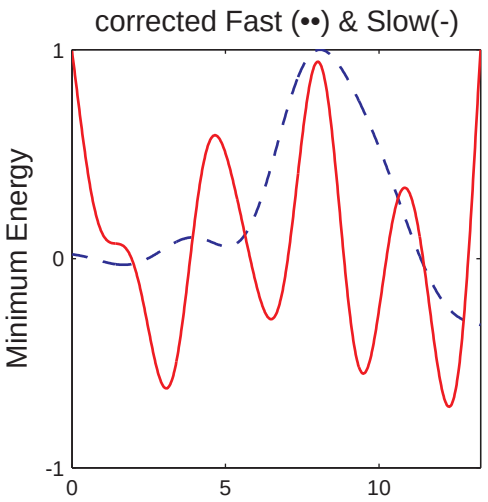


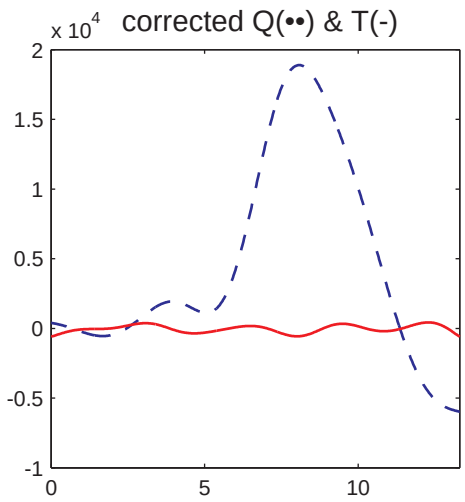


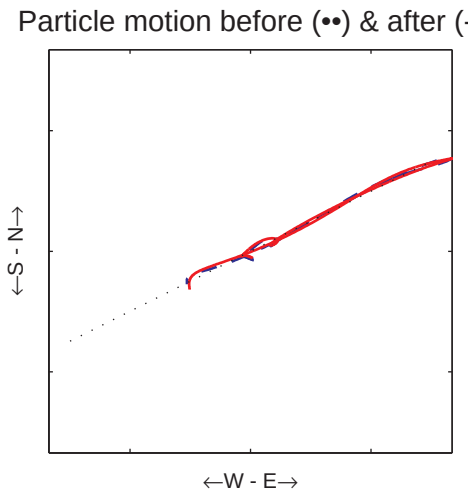


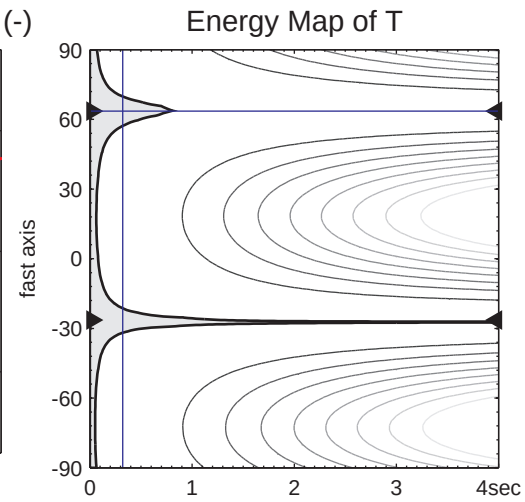


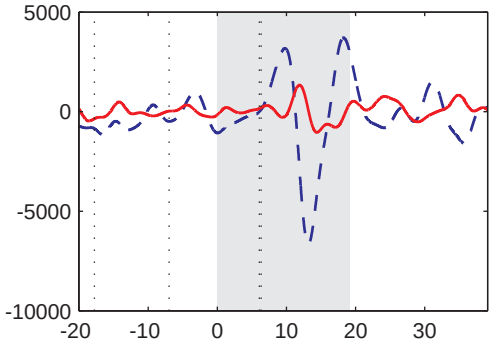








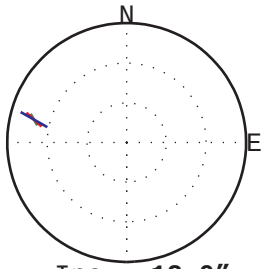




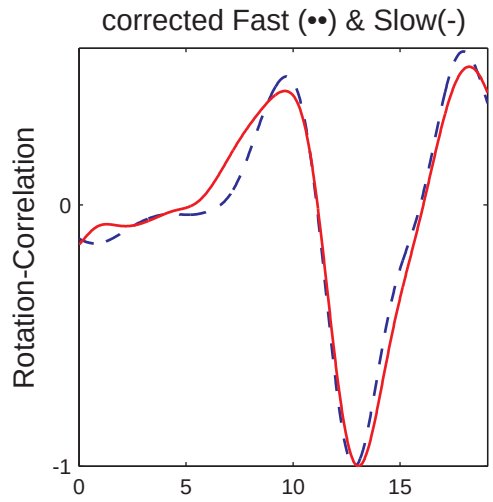
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **PINB** Backazimuth: **283.9”** Distance: **110.21”**
init.Pol.: **100.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**17.2**

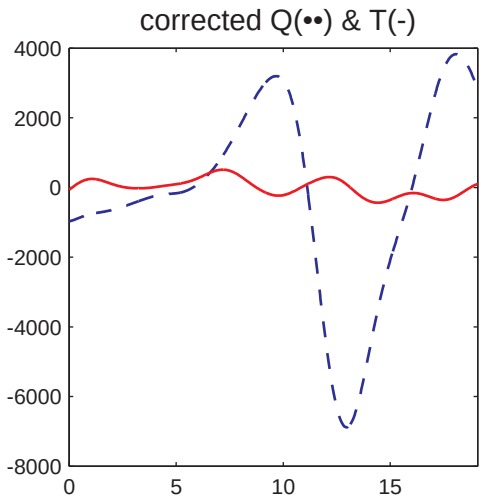
Rotation Correlation:	-43< **-30°** < -20	0.3<**0.4s**<0.6
Minimum Energy:	-62< **-48°** < -35	0.5<**0.6s**<0.9
Eigenvalue:	-70< **-60°** < -50	0.6<**1.0s**<1.3

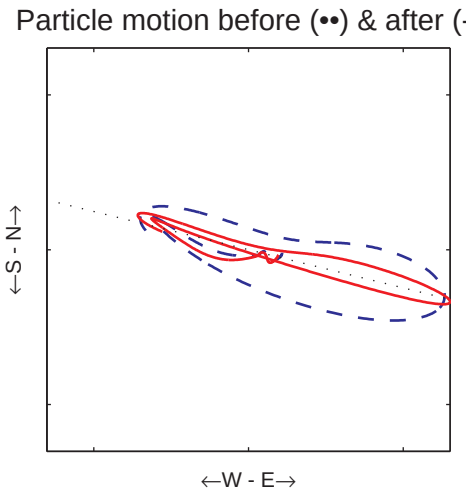
Quality: **fair** IsNull: **No** Phase: **SKKS**

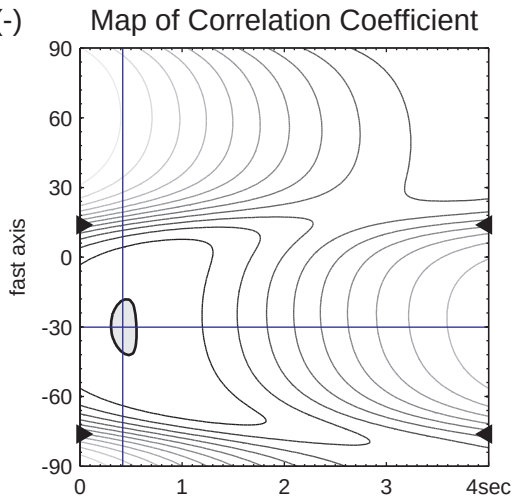


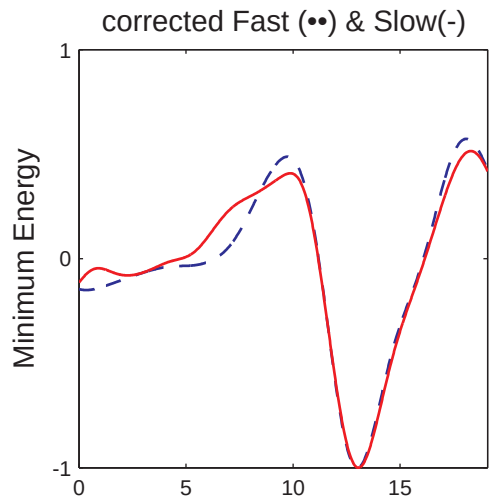
Inc = **12.0”**

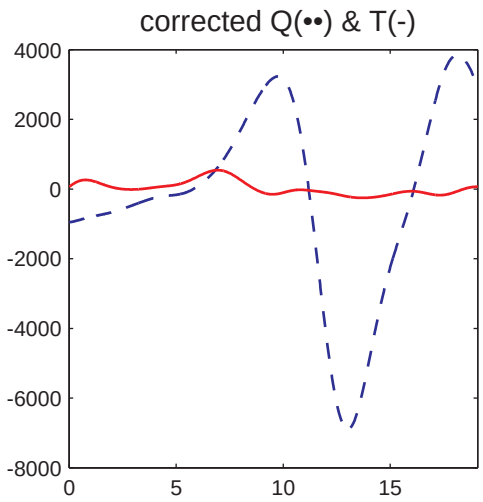


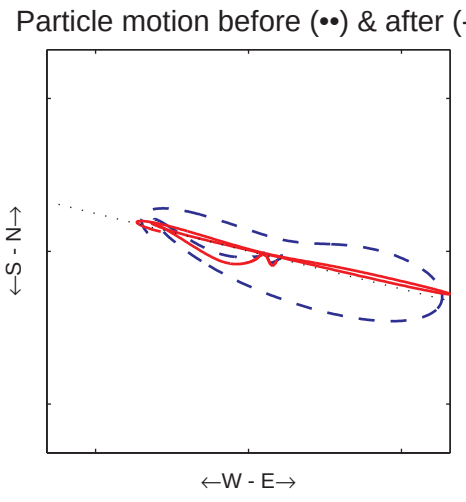


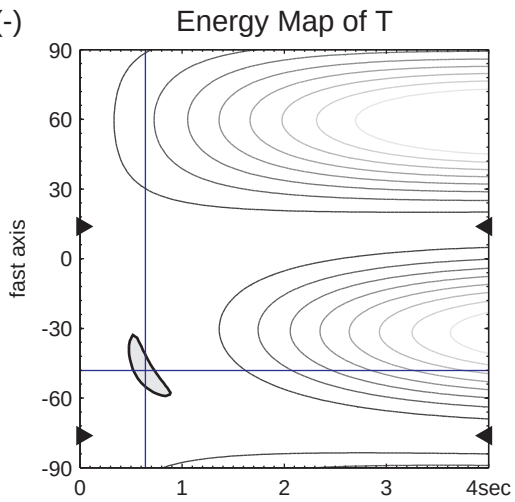


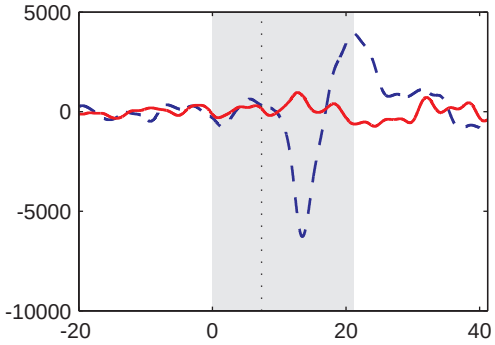








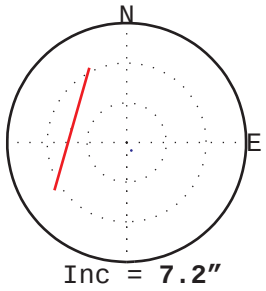


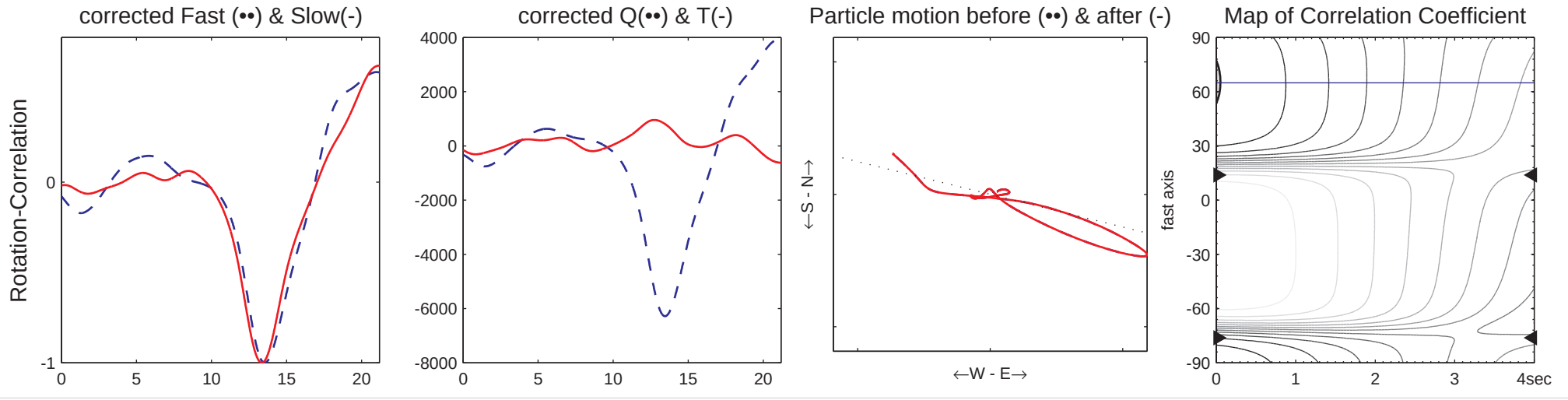


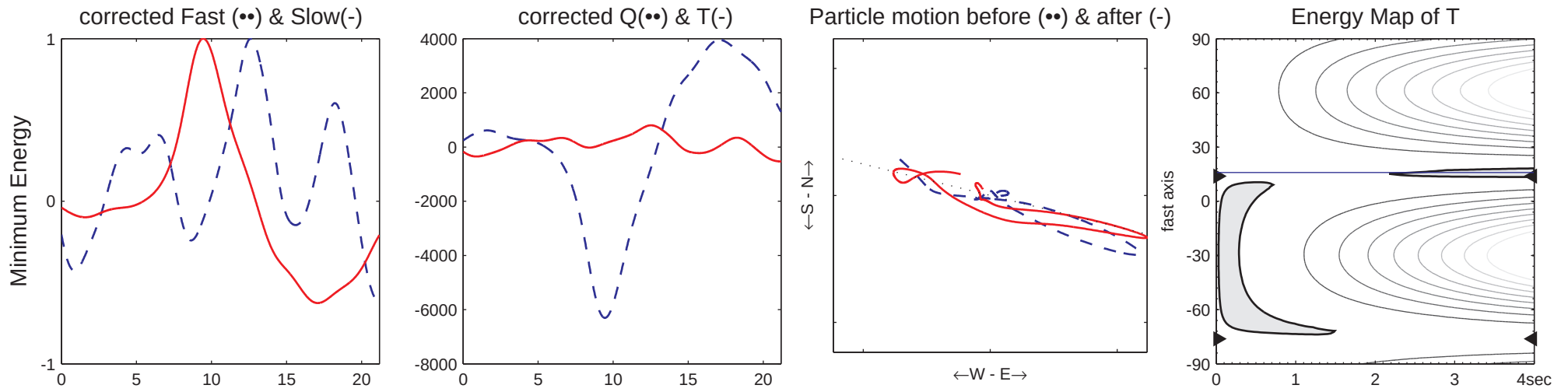
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **PINB** Backazimuth: **283.9”** Distance: **110.21”**
init.Pol.: **113.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.2**

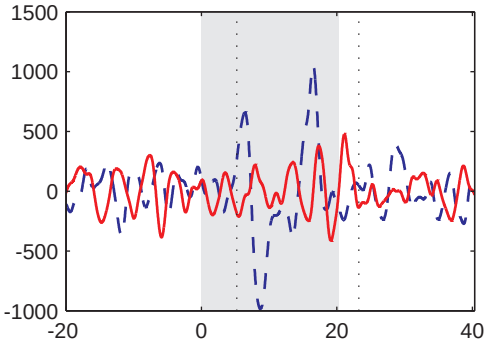
Rotation Correlation:	54<	65° <	77	0.0<0.0s<0.0
Minimum Energy:	13<	16° <	17	2.2<4.0s<4.0
Eigenvalue:	-76<	-70° <	17	0.0<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





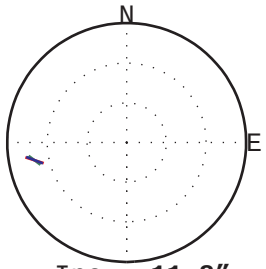




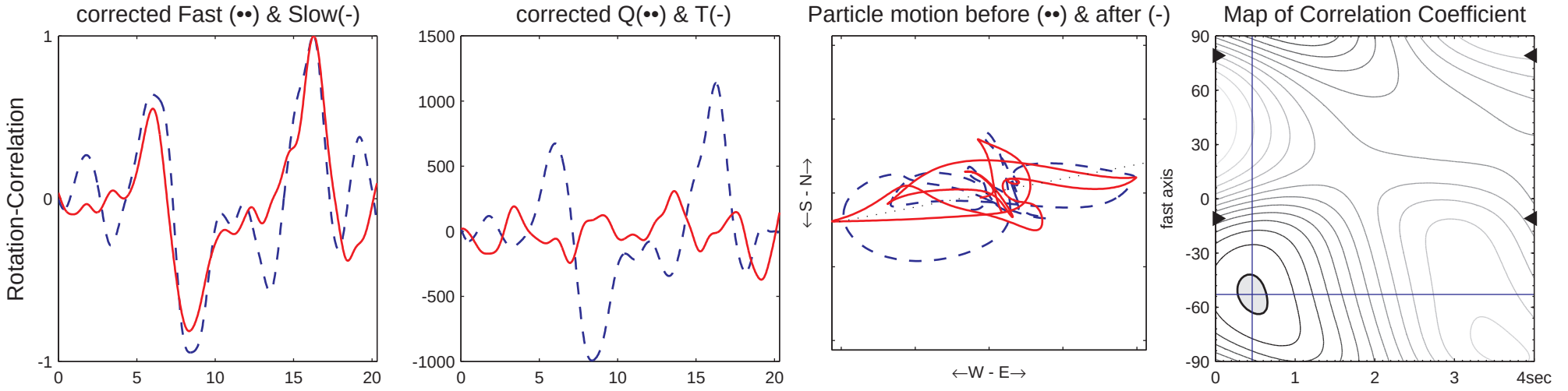
Event: **18-Nov-2007 (322) 05:40 -22.64N -66.32E 246km Mw=6.0**
Station: **PINB** Backazimuth: **259.1”** Distance: **113.53”**
init.Pol.: **82.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.4**

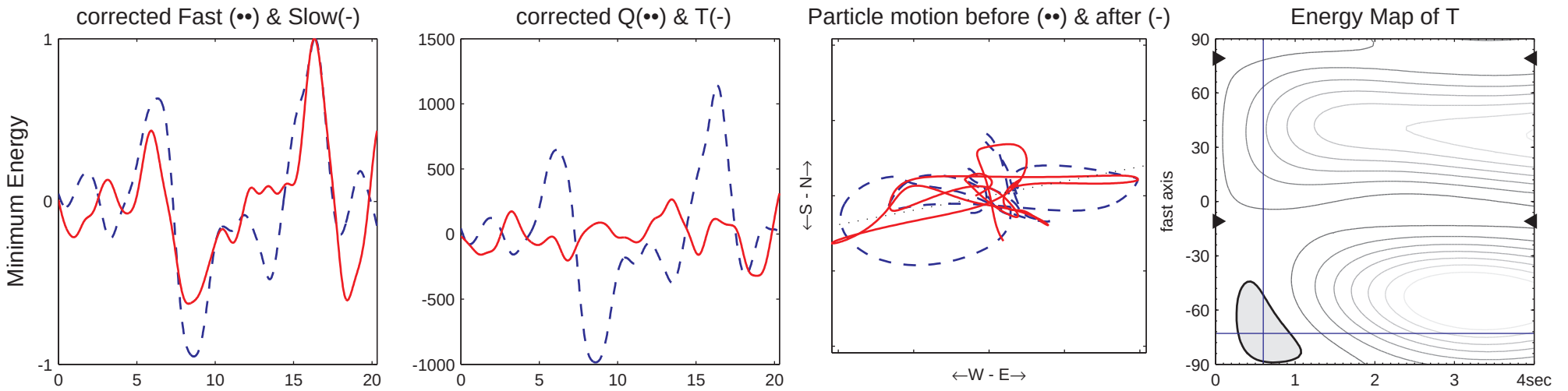
Rotation Correlation:	-65<	-53° <	-43	0.3<0.5s<0.6
Minimum Energy:	-90<	-73° <	-46	0.3<0.6s<1.1
Eigenvalue:	-90<	-69° <	-29	0.2<0.6s<1.0

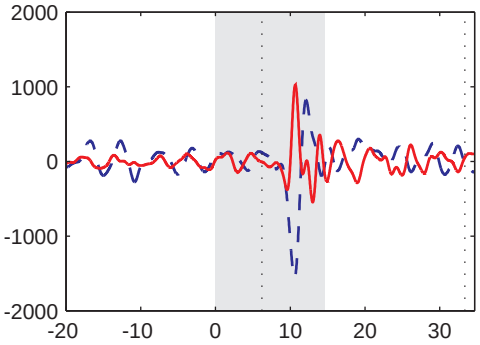
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.8”**



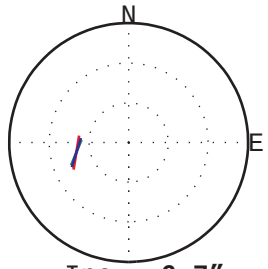


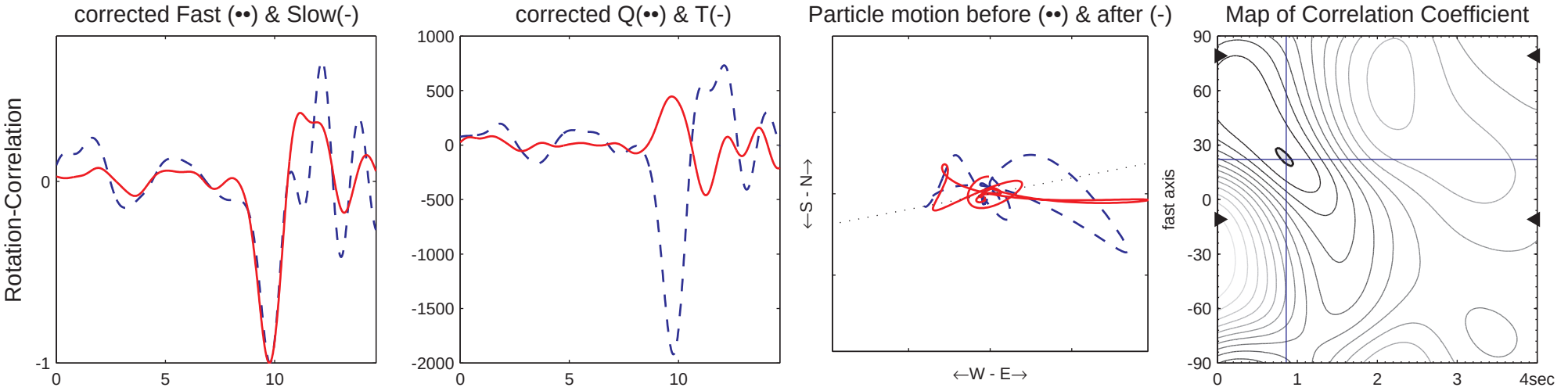


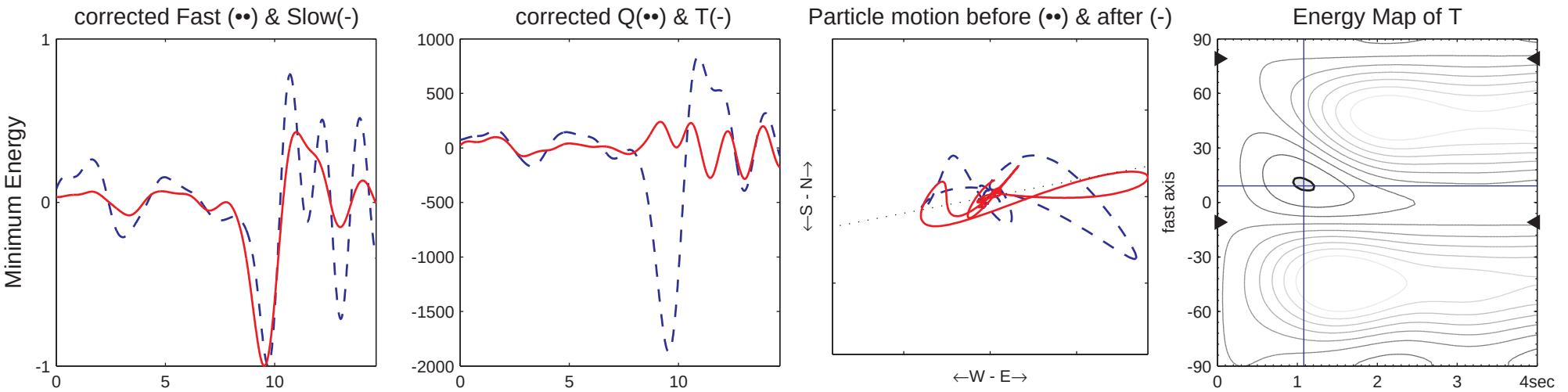
Event: **18-Nov-2007 (322) 05:40 -22.64N -66.32E 246km Mw=6.0**
Station: **PINB** Backazimuth: **259.1”** Distance: **113.53”**
init.Pol.: **89.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.5**

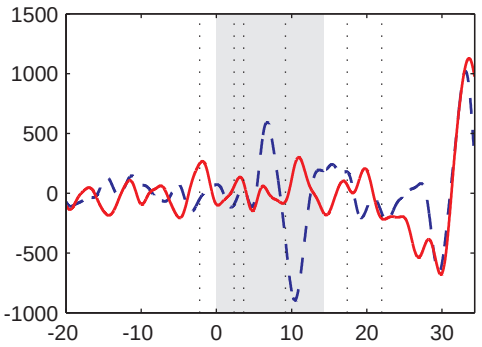
Rotation Correlation:	19<	22° <	29	0.7<0.9s<1.0
Minimum Energy:	7<	9° <	13	1.0<1.1s<1.2
Eigenvalue:	11<	17° <	23	0.8<1.0s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





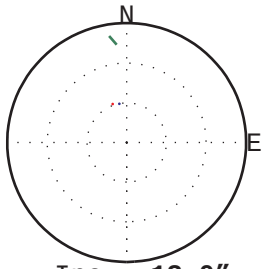




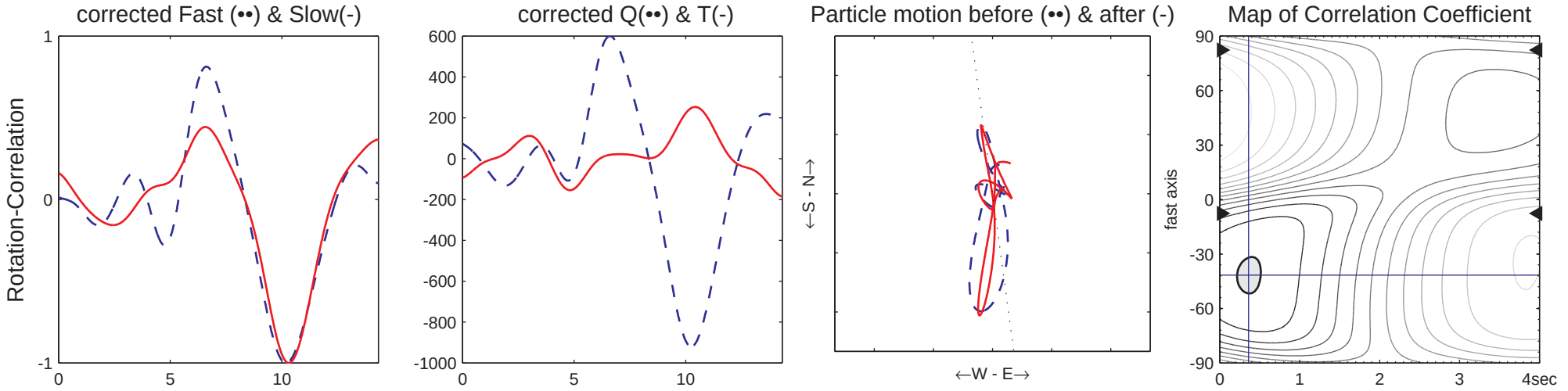
Event: **09-Jan-2008 (009) 14:40 51.65N -131.18E 10km Mw=6.1**
Station: **PINB** Backazimuth: **352.3”** Distance: **89.03”**
init.Pol.: **160.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

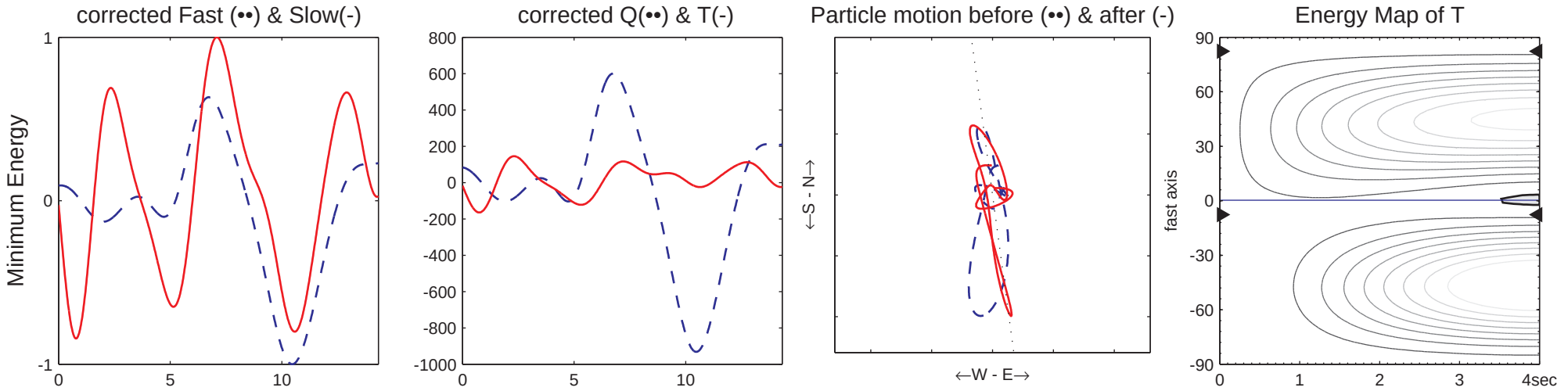
Rotation Correlation:	-53<	-42° <	-33	0.2<0.4s<0.5
Minimum Energy:	-3<	0° <	3	3.5<4.0s<4.0
Eigenvalue:	-15<	-6° <	-1	3.7<4.0s<4.0

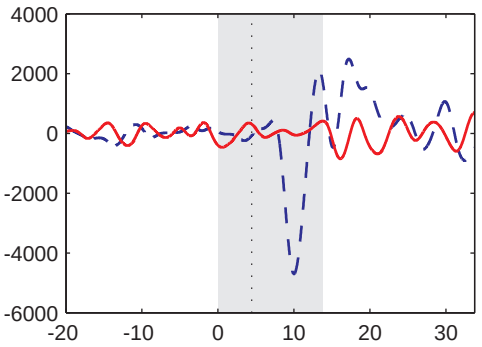
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **13.0”**



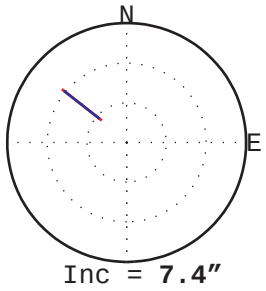


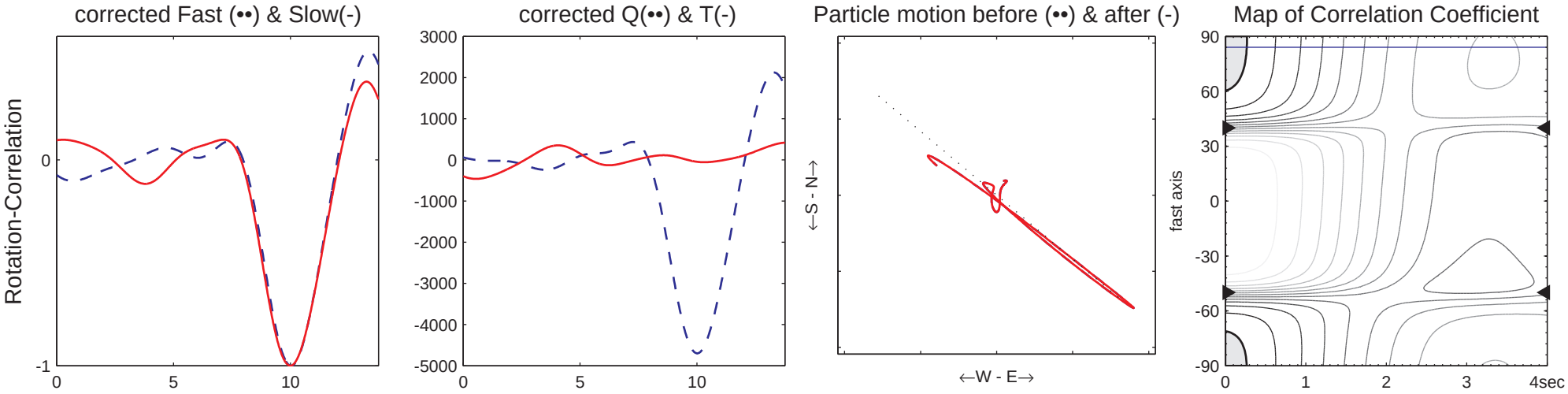


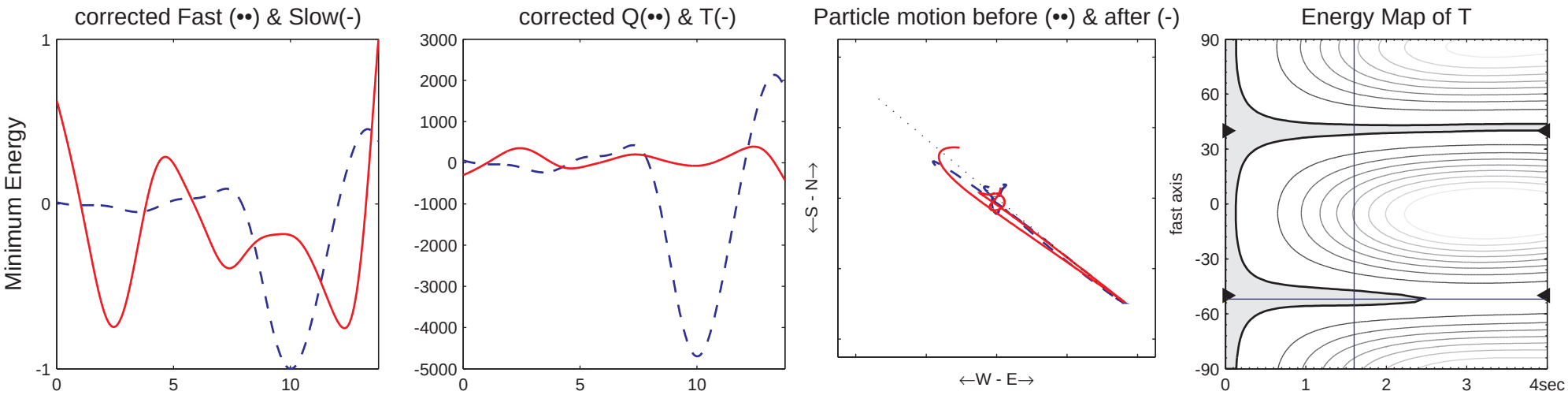
Event: **12-Feb-2008 (043) 12:50 16.36N -94.30E 83km Mw=6.5**
Station: **PINB** Backazimuth: **310.0”** Distance: **108.21”**
init.Pol.: **128.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.7**

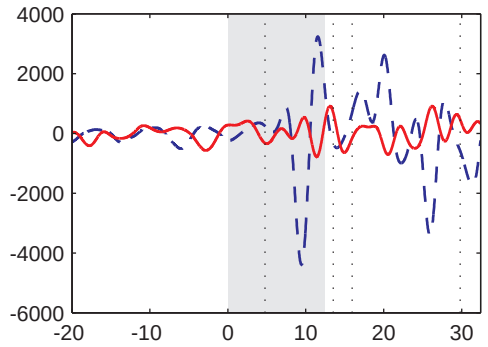
Rotation Correlation:	60<	84° < -72	0.0<0.0s<0.3
Minimum Energy:	-Inf<	-52° < Inf	0.0<1.6s<Inf
Eigenvalue:	-60<	-52° < -48	0.3<1.4s<2.2

Quality: **good** IsNull: **Yes** Phase: **SKS**





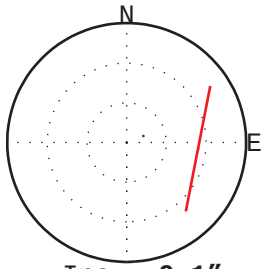


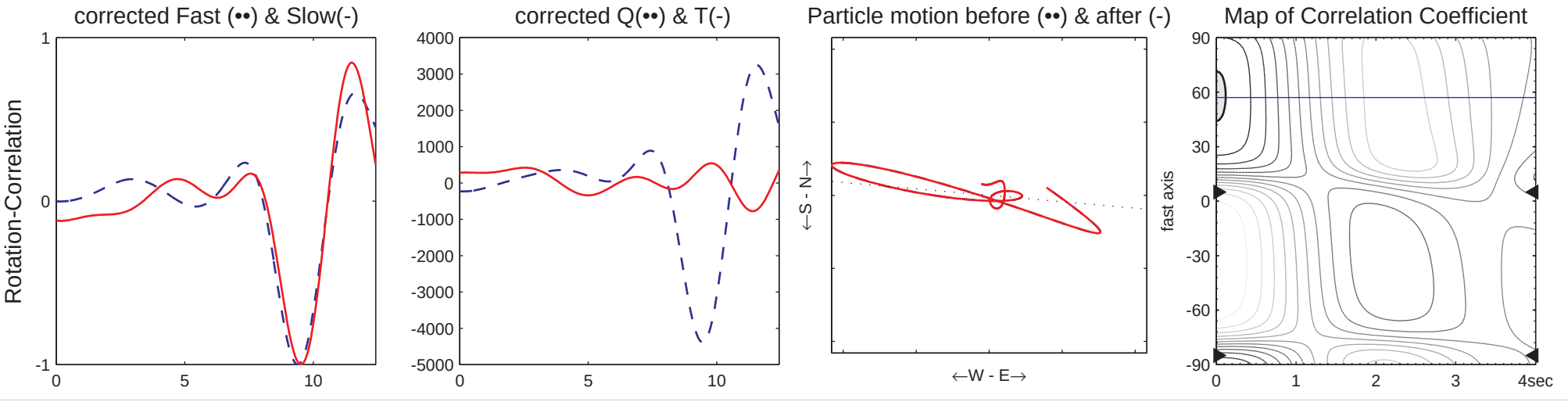


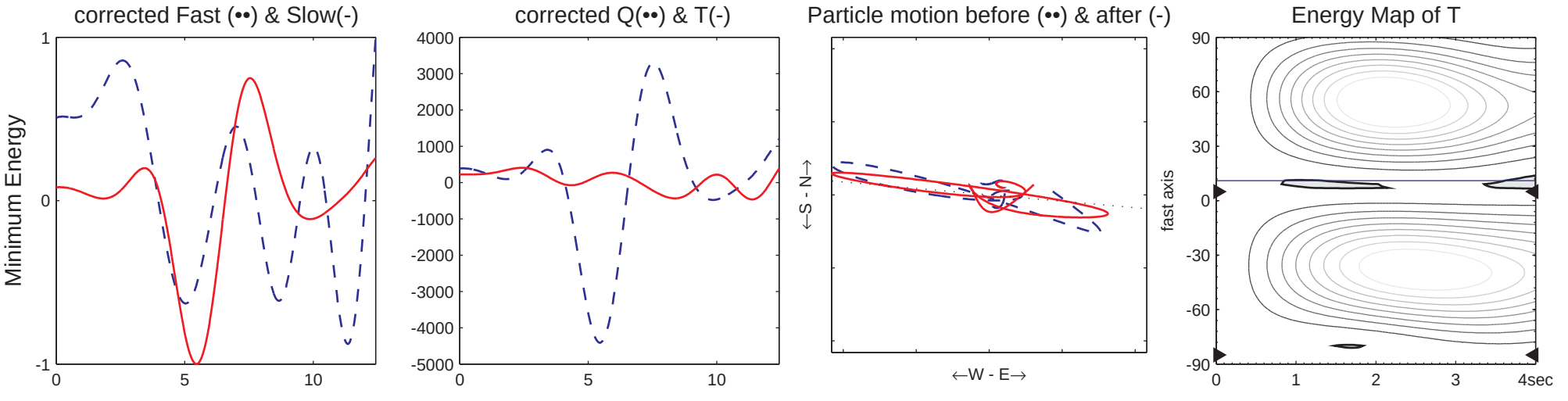
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **PINB** Backazimuth: **95.0”** Distance: **96.83”**
init.Pol.: **293.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.6**

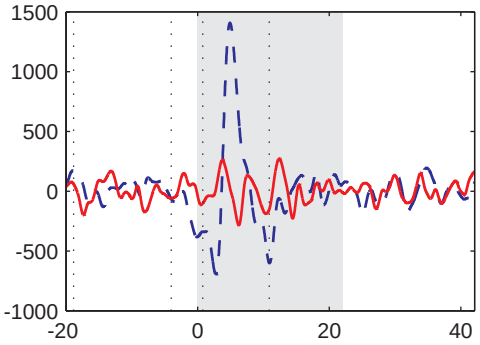
Rotation Correlation:	44<	57° <	71	0.0<0.0s<0.1
Minimum Energy:	7<	11° <	13	3.4<4.0s<4.0
Eigenvalue:	-84<	-77° <	-78	3.4<3.6s<3.8

Quality: **good** IsNull: **Yes** Phase: **SKS**





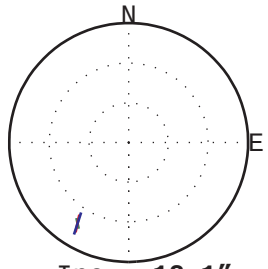




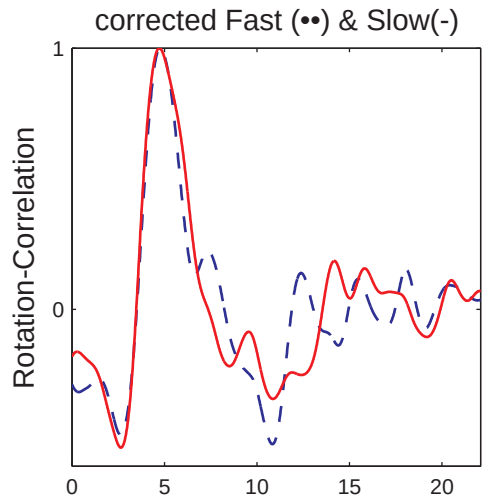
Event: **14-Apr-2008 (105) 09:45 -56.02N -28.04E 140km Mw=6.0**
Station: **PINB** Backazimuth: **212.3”** Distance: **109.27”**
init.Pol.: **34.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.3**

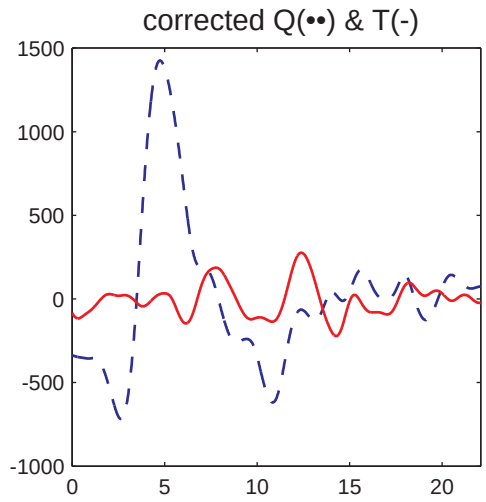
Rotation Correlation:	-24<	-12° <	-2	0.2<0.3s<0.5
Minimum Energy:	-41<	12° <	27	0.2<0.6s<1.3
Eigenvalue:	-46<	18° <	33	0.2<0.7s<1.5

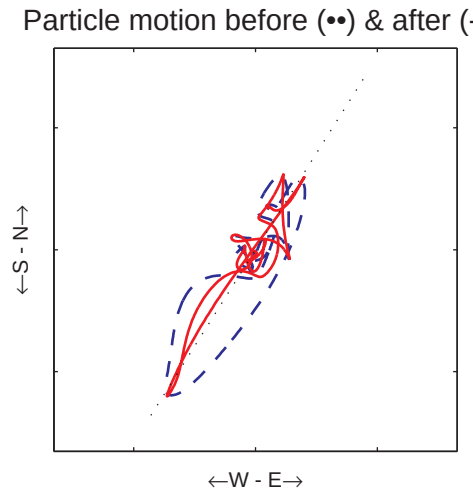
Quality: **fair** IsNull: **No** Phase: **SKKS**

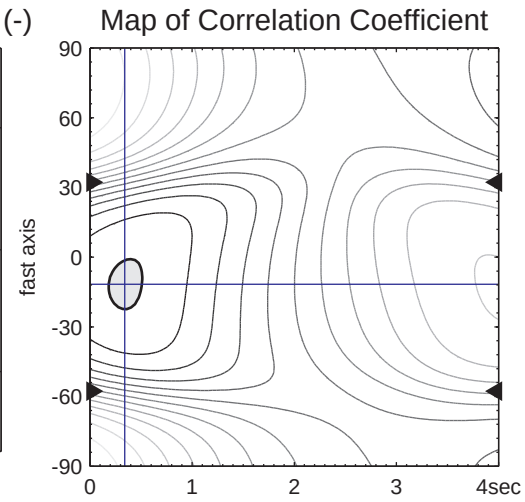


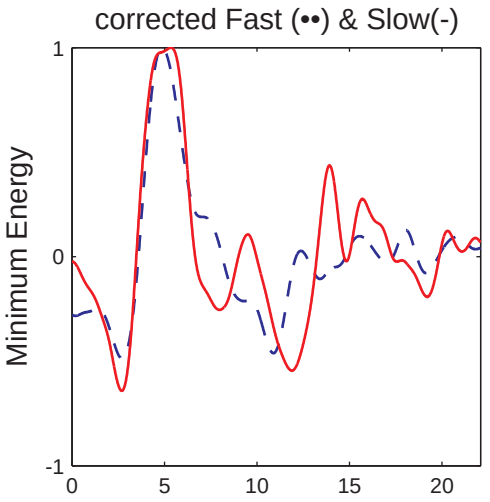
Inc = **12.1”**

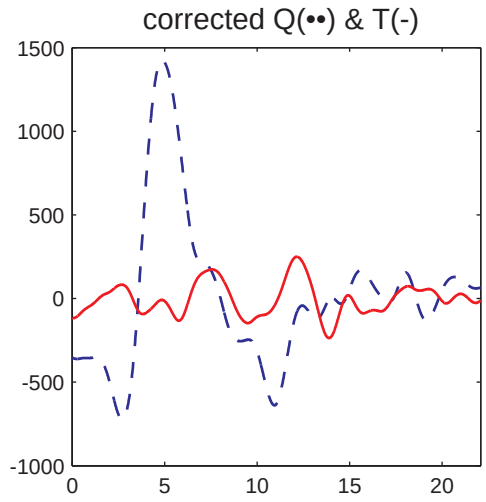


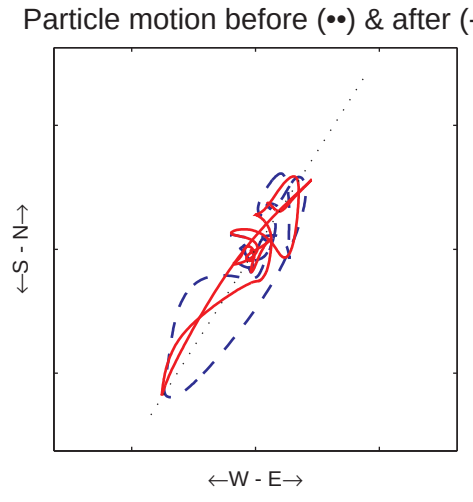


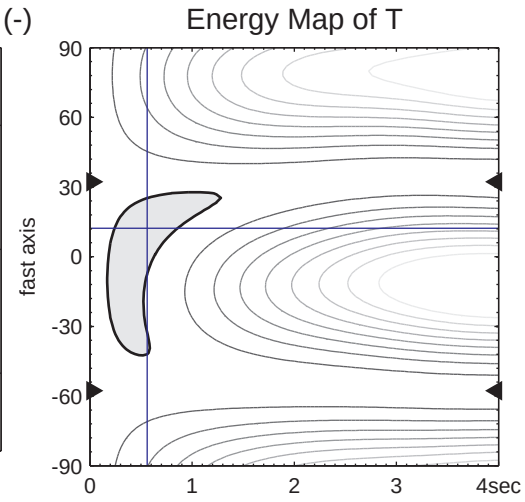


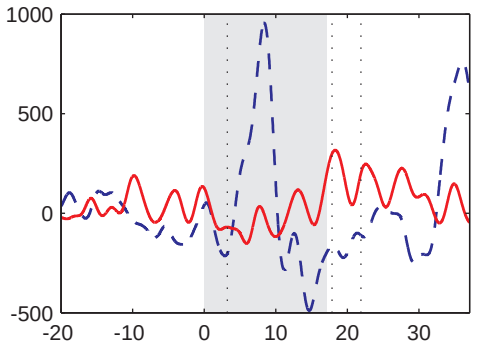






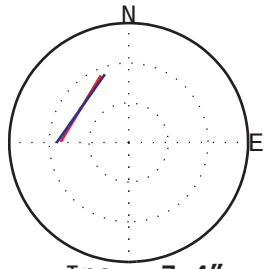


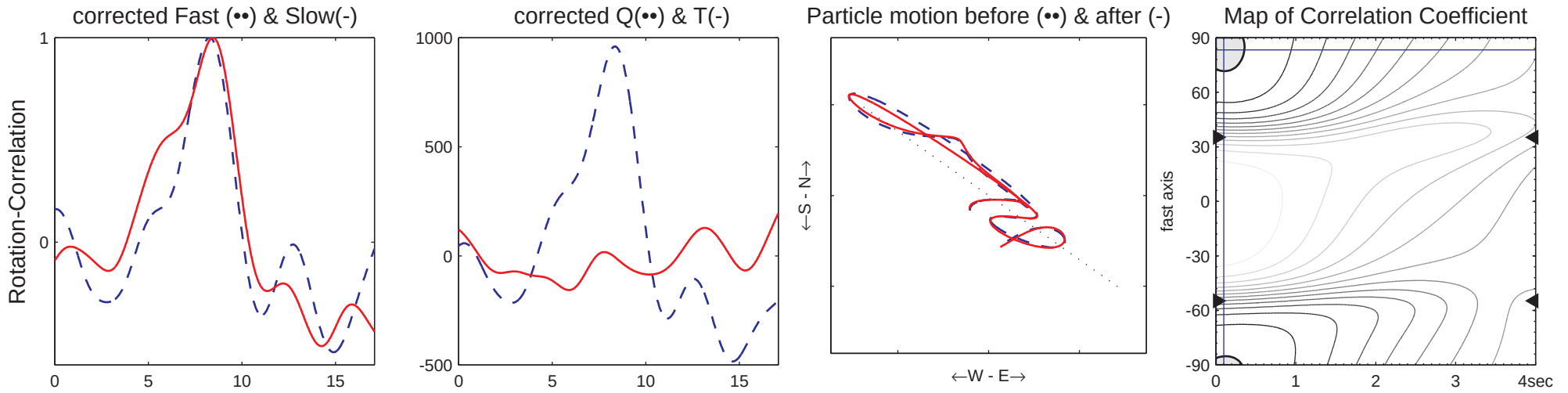


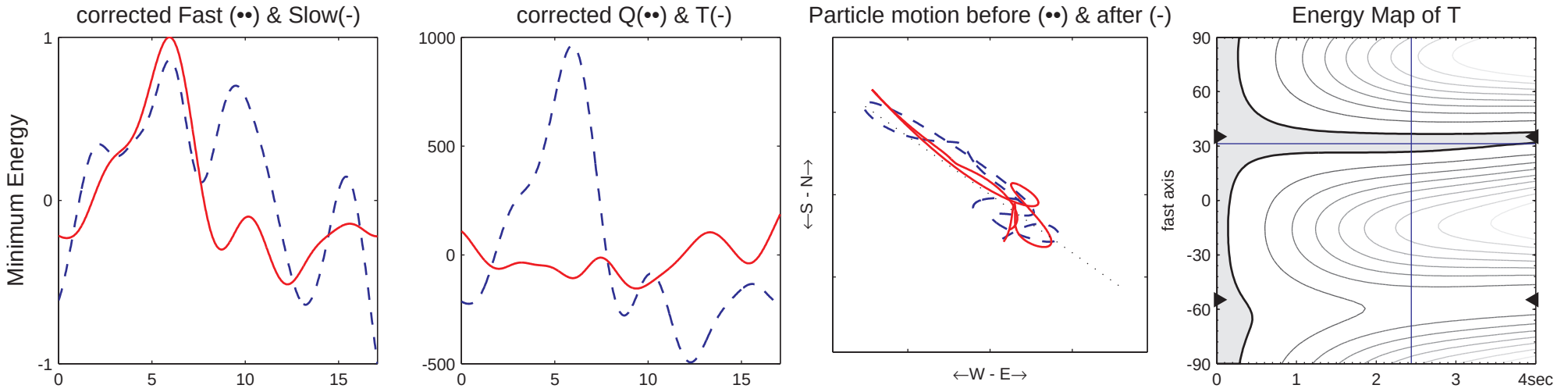


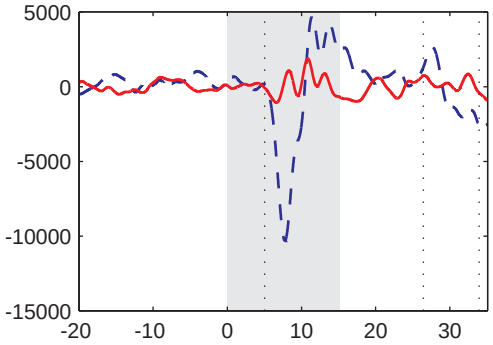
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **PINB** Backazimuth: **305.3”** Distance: **108.07”**
init.Pol.: **132.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.6**

Rotation Correlation:	72<	83° < -86		0.0<0.1s<0.4
Minimum Energy:	-Inf<	31° < Inf		0.0<2.4s<Inf
Eigenvalue:	31<	35° < 41		1.8<2.6s<3.5
Quality: **good**		IsNull: **Yes**	Phase: **SKS**	





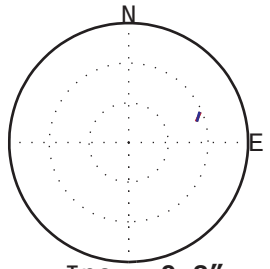




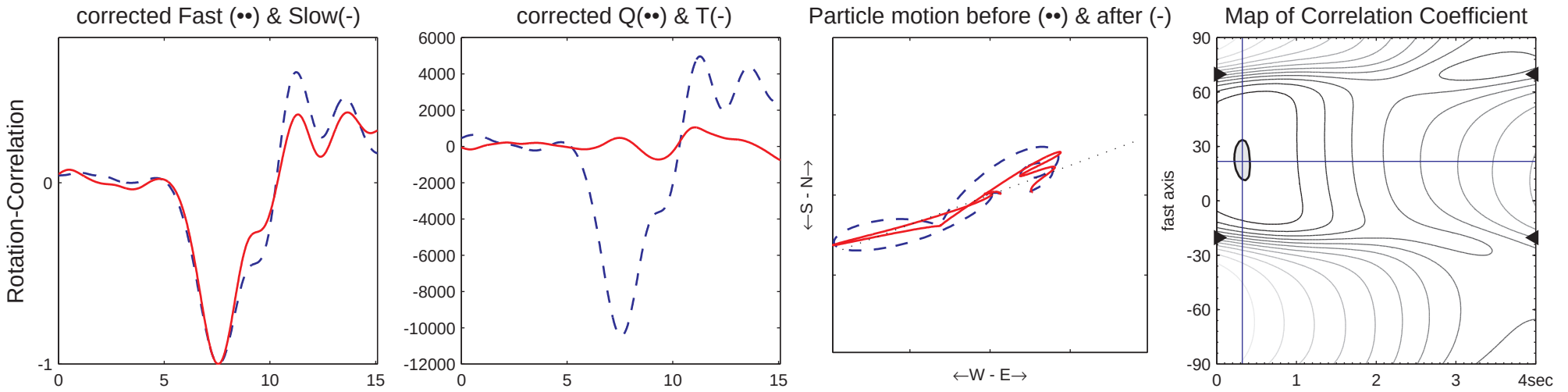
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **PINB** Backazimuth: **69.7”** Distance: **94.85”**
init.Pol.: **248.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.3**

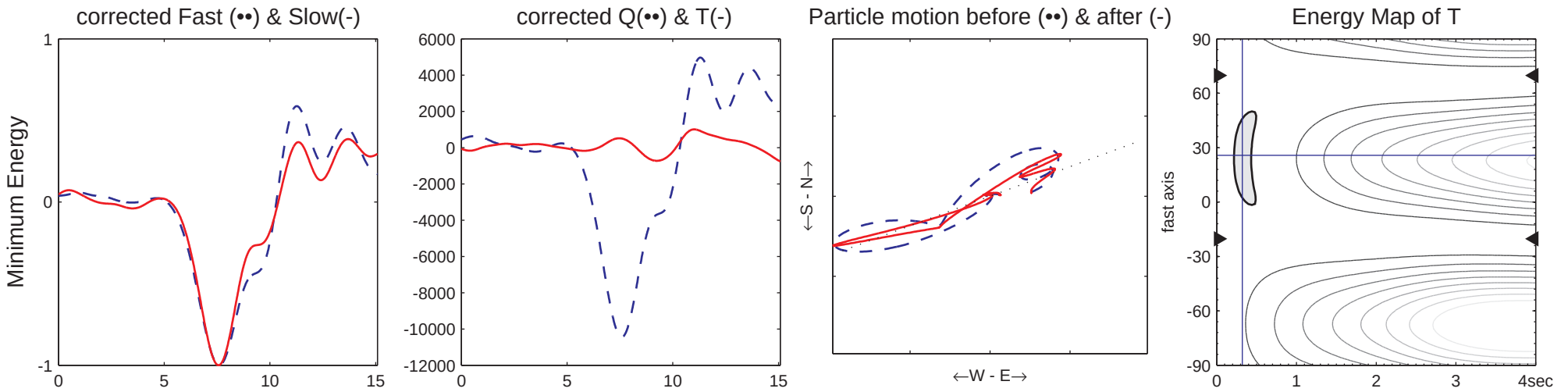
Rotation Correlation:	12<	22° <	34	0.2<0.3s<0.4
Minimum Energy:	-1<	26° <	50	0.2<0.3s<0.5
Eigenvalue:	-7<	16° <	43	0.2<0.3s<0.6

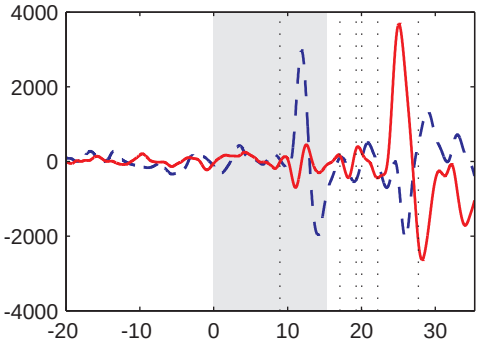
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **9.3”**



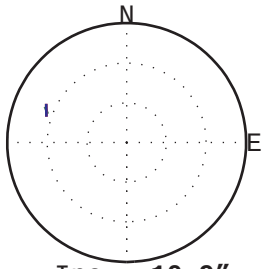




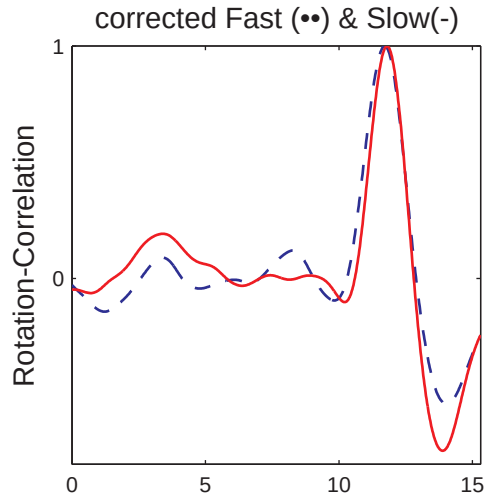
Event: **11-Oct-2008 (285) 10:40 19.16N -64.83E 23km Mw=6.1**
Station: **PINB** Backazimuth: **291.8”** Distance: **86.48”**
init.Pol.: **112.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.9**

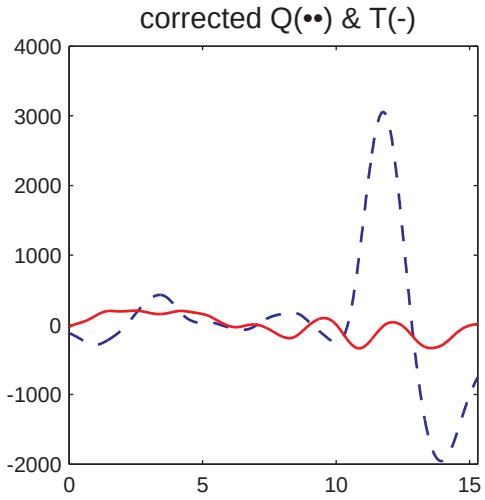
Rotation Correlation:	-35<	-23° < -12	0.2<0.2s<0.4
Minimum Energy:	-43<	-0° < 9	0.2<0.4s<0.8
Eigenvalue:	-54<	-0° < 13	0.2<0.4s<0.8

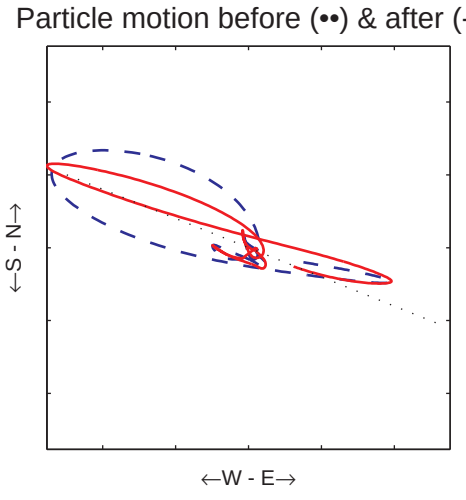
Quality: **fair** IsNull: **No** Phase: **SKS**

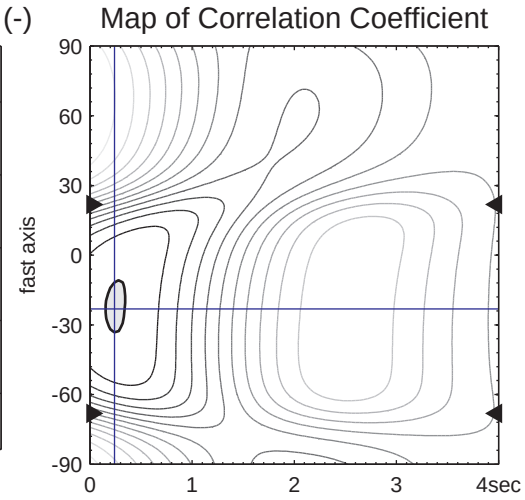


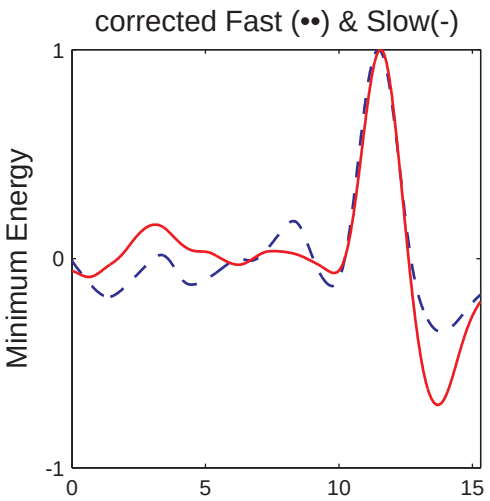
Inc = **10.9”**

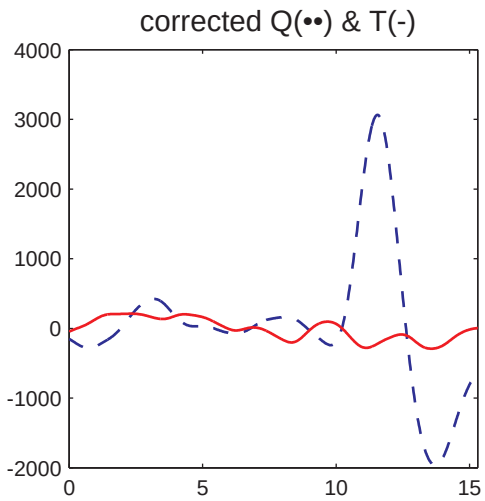


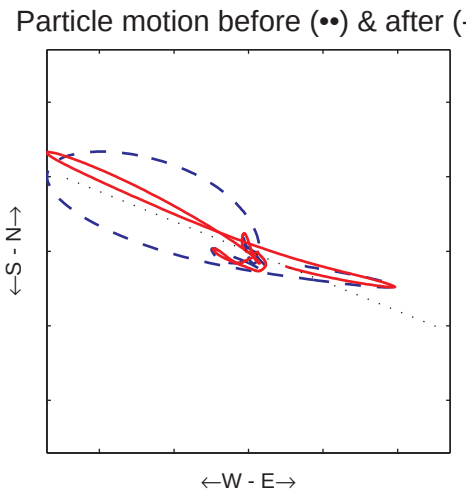


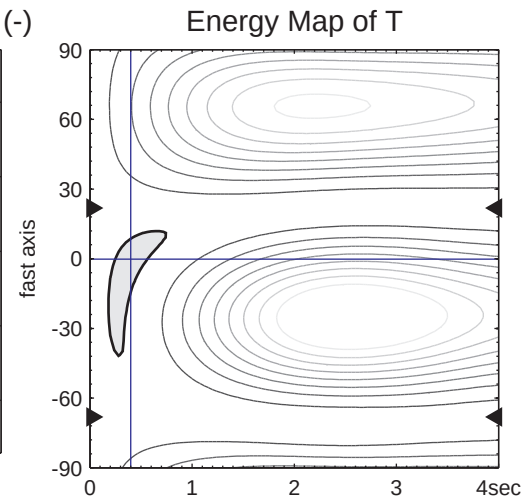


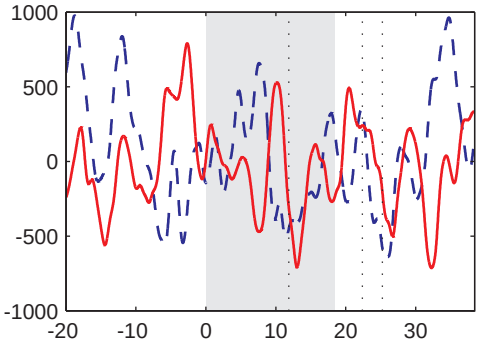








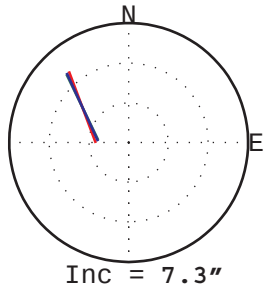


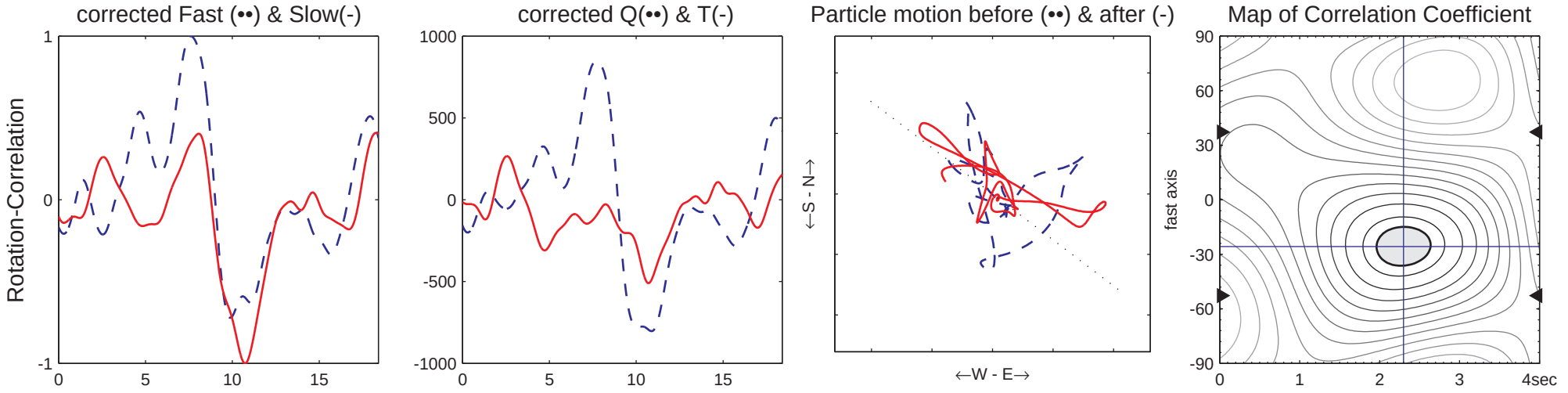


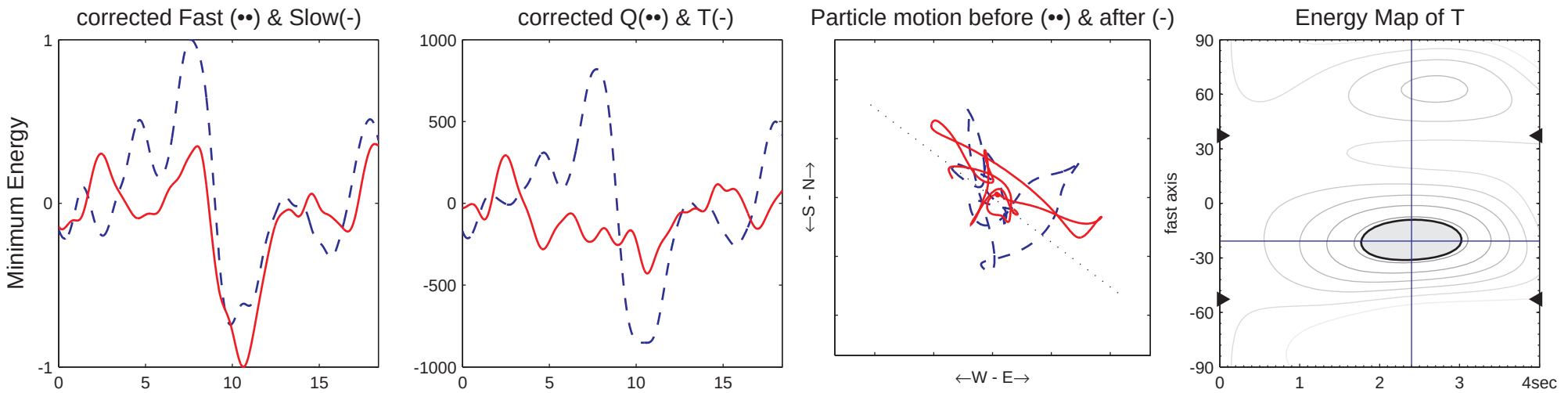
Event: **16-Oct-2008 (290) 19:43 14.26N -92.55E 23km Mw=5.8**
Station: **PINB** Backazimuth: **307.2”** Distance: **108.77”**
init.Pol.: **119.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.9**

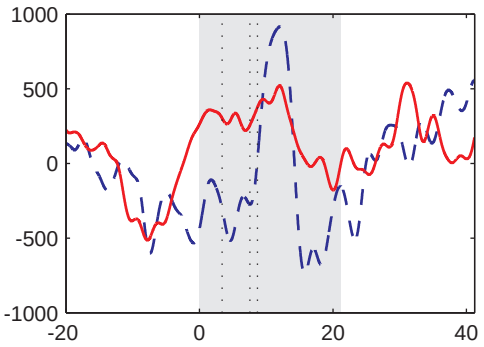
Rotation Correlation:	-38<	-26° <	-16 2.0<2.3s<2.6
Minimum Energy:	-33<	-21° <	-11 1.8<2.4s<3.0
Eigenvalue:	-41<	-25° <	-11 1.8<2.4s<2.8

Quality: **fair** IsNull: **No** Phase: **SKS**



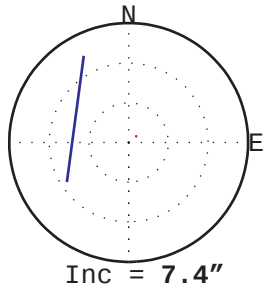


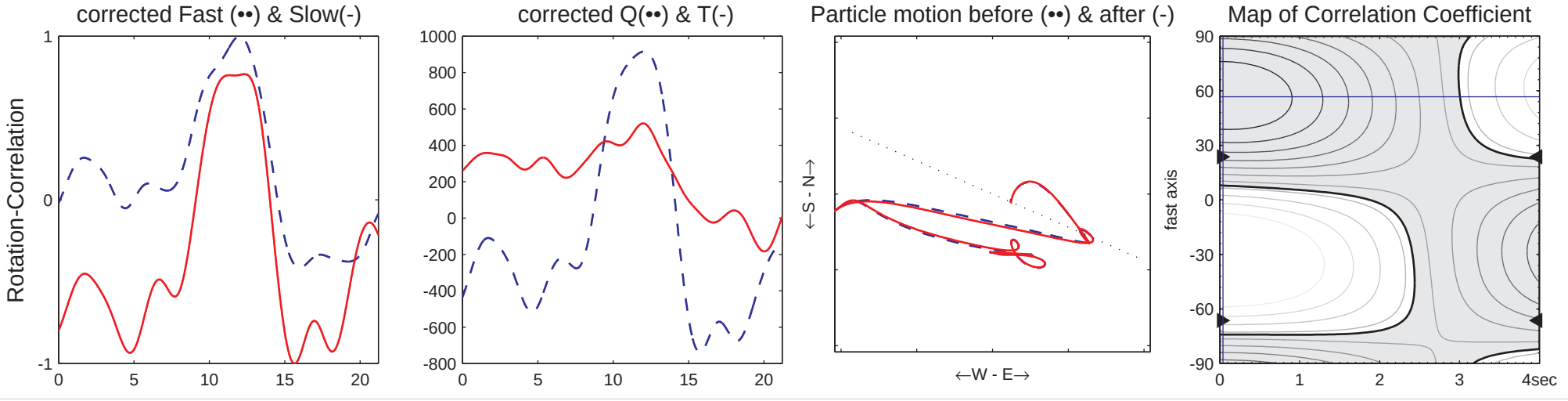


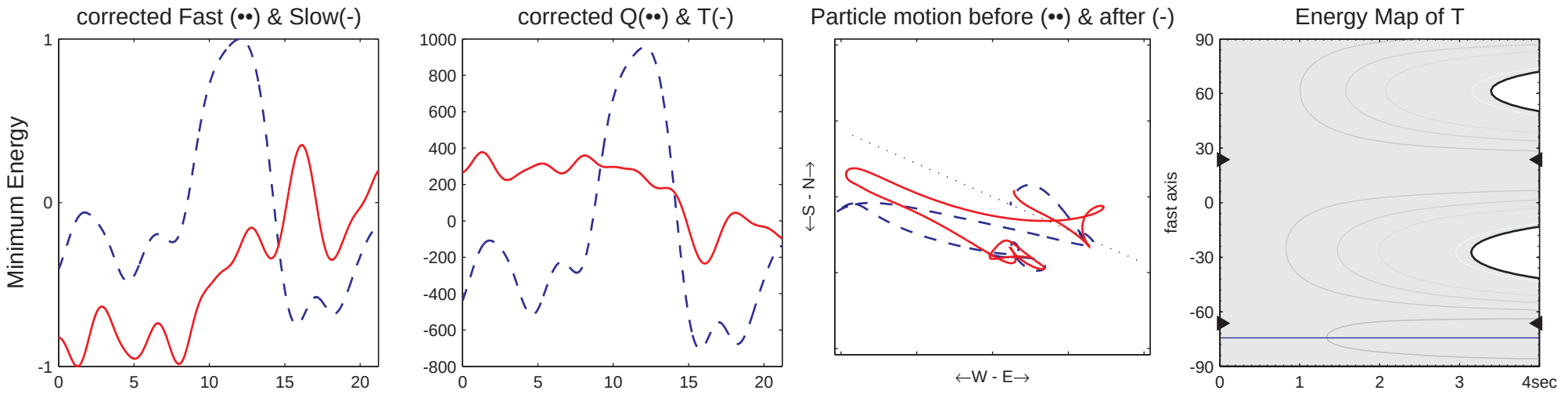


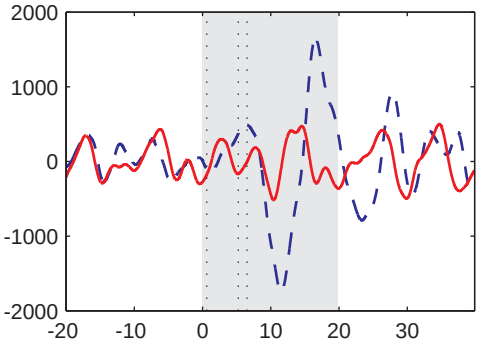
Event: **12-Mar-2009 (071) 23:23 5.69N -82.77E 9km Mw=6.3**
Station: **PINB** Backazimuth: **293.6”** Distance: **108.46”**
init.Pol.: **91.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.8**

Rotation Correlation: -Inf< 57° < Inf 0.0<0.0s<Inf
Minimum Energy: -Inf< -74° < Inf 0.0<4.0s<Inf
Eigenvalue: -Inf< 8° < Inf 0.0<4.0s<Inf
Quality: **good** IsNull: **Yes** Phase: **SKS**





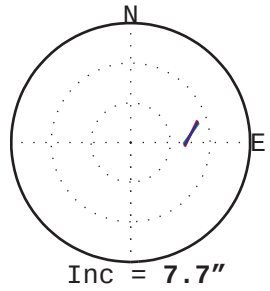


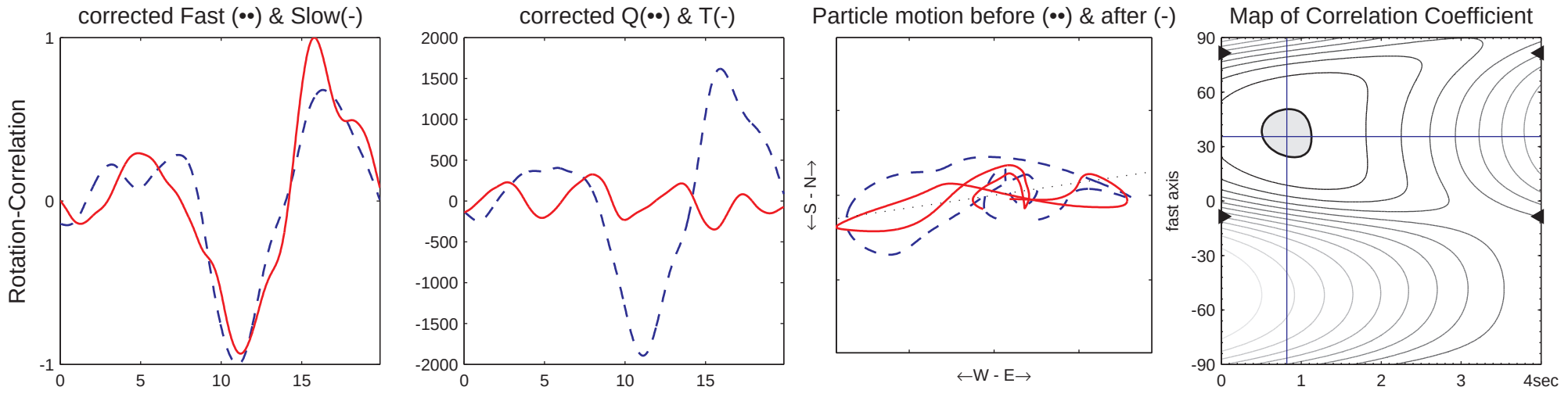


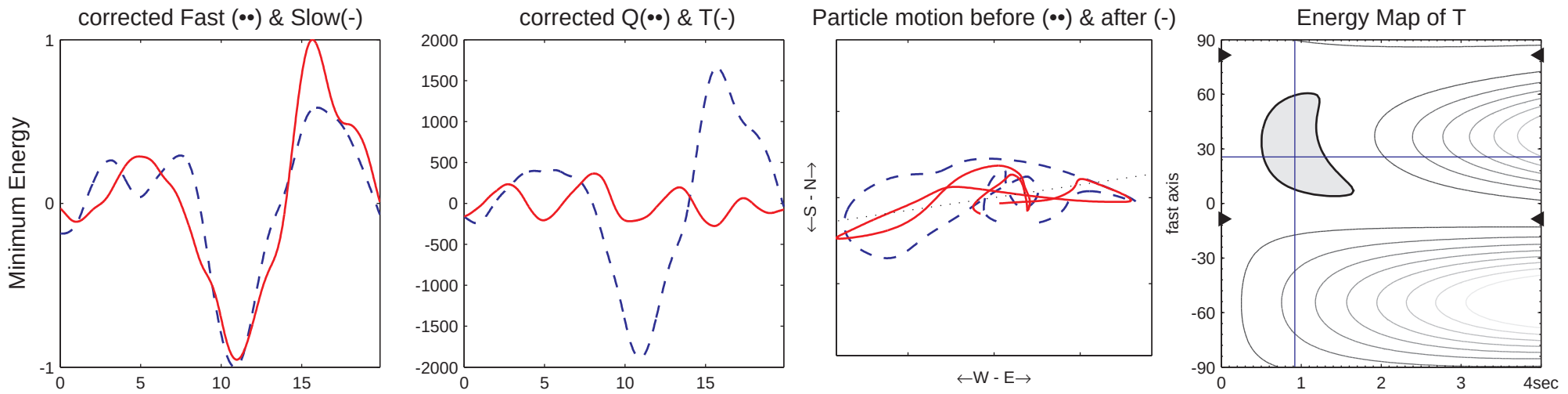
Event: **01-Apr-2009 (091) 03:54 -3.52N 144.10E 10km Mw=6.4**
Station: **PINB** Backazimuth: **81.5”** Distance: **105.98”**
init.Pol.: **262.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.6**

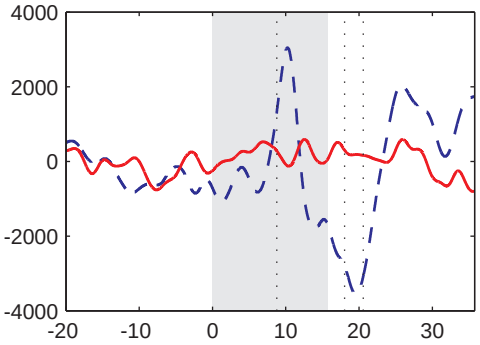
Rotation Correlation:	24<	36° <	51	0.5<0.8s<1.1
Minimum Energy:	3<	26° <	60	0.5<0.9s<1.6
Eigenvalue:	1<	30° <	88	0.5<0.9s<3.6

Quality: **fair** IsNull: **No** Phase: **SKS**





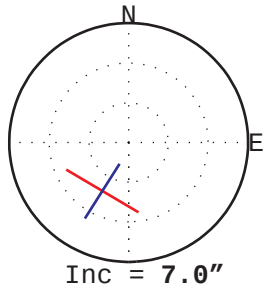


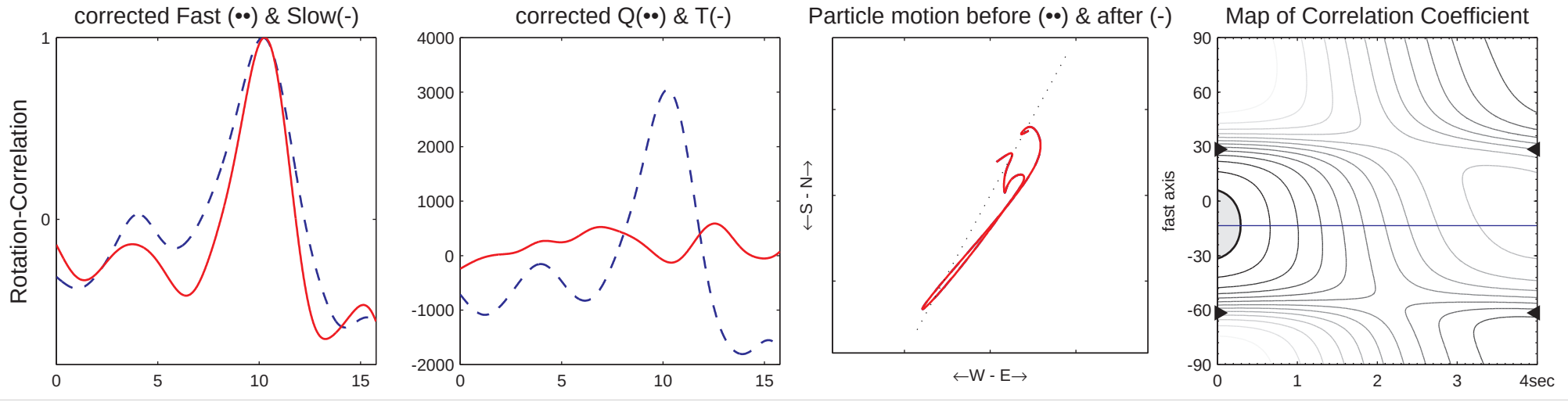


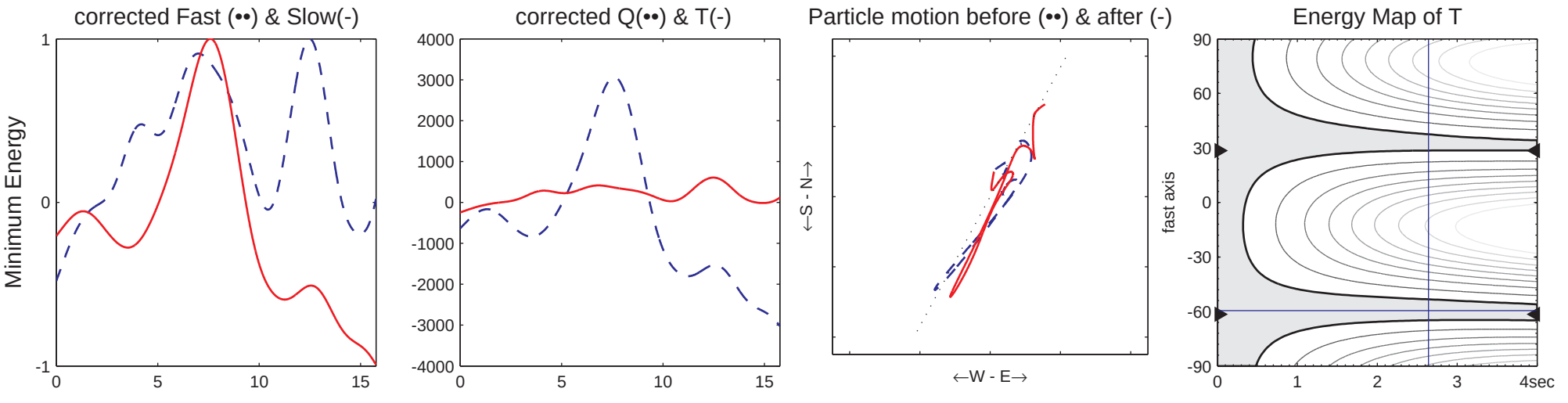
Event: **16-Apr-2009 (106) 14:57 -60.20N -26.86E 20km** Mw=**6.7**
Station: **PINB** Backazimuth: **208.5”** Distance: **111.58”**
init.Pol.: **29.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.9**

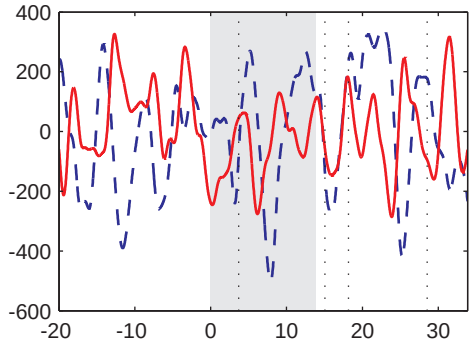
Rotation Correlation:	-33<	-13° <	5	0.0<0.0s<0.3
Minimum Energy:	-Inf<	-59° <	Inf	0.0<2.6s<Inf
Eigenvalue:	27<	33° <	48	0.1<2.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





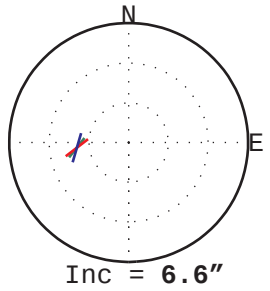


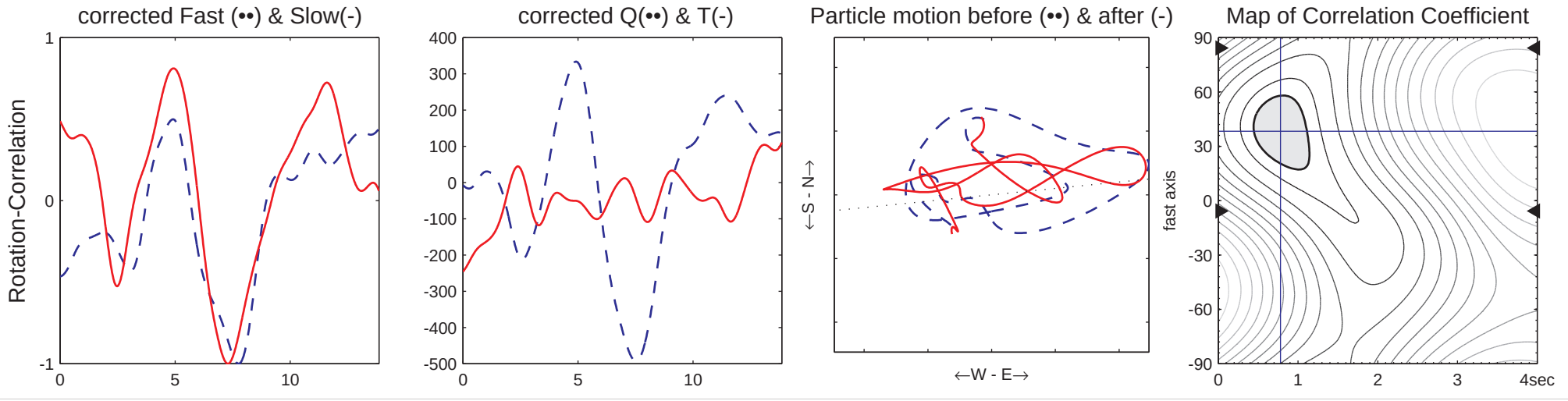


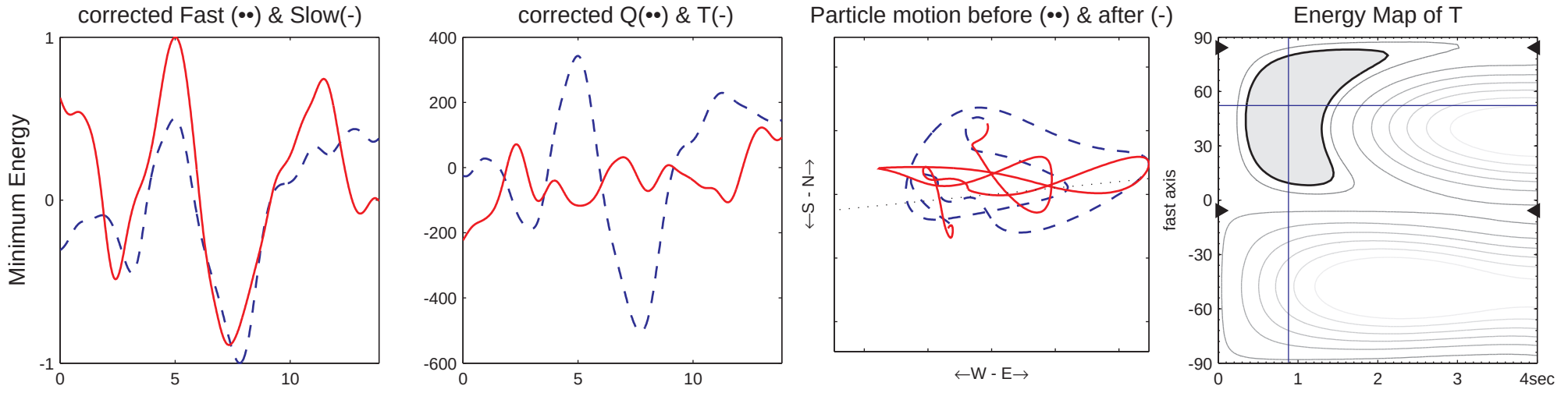
Event: **17-Apr-2009 (107) 02:08 -19.58N -70.48E 25km Mw=6.1**
Station: **PINB** Backazimuth: **264.3”** Distance: **115.03”**
init.Pol.: **76.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

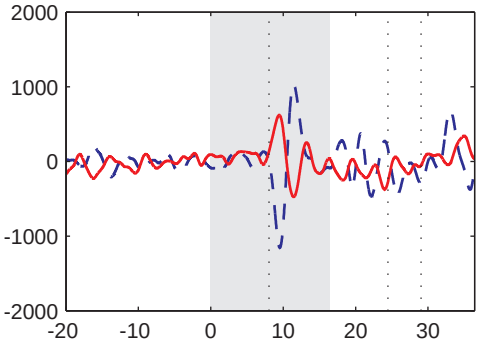
Rotation Correlation:	18<	38° <	58	0.4<0.8s<1.2
Minimum Energy:	9<	52° <	84	0.4<0.9s<2.1
Eigenvalue:	-11<	16° <	86	0.4<1.0s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





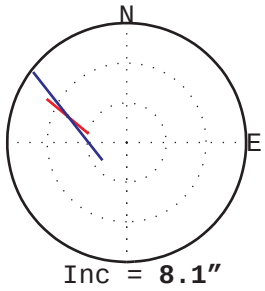


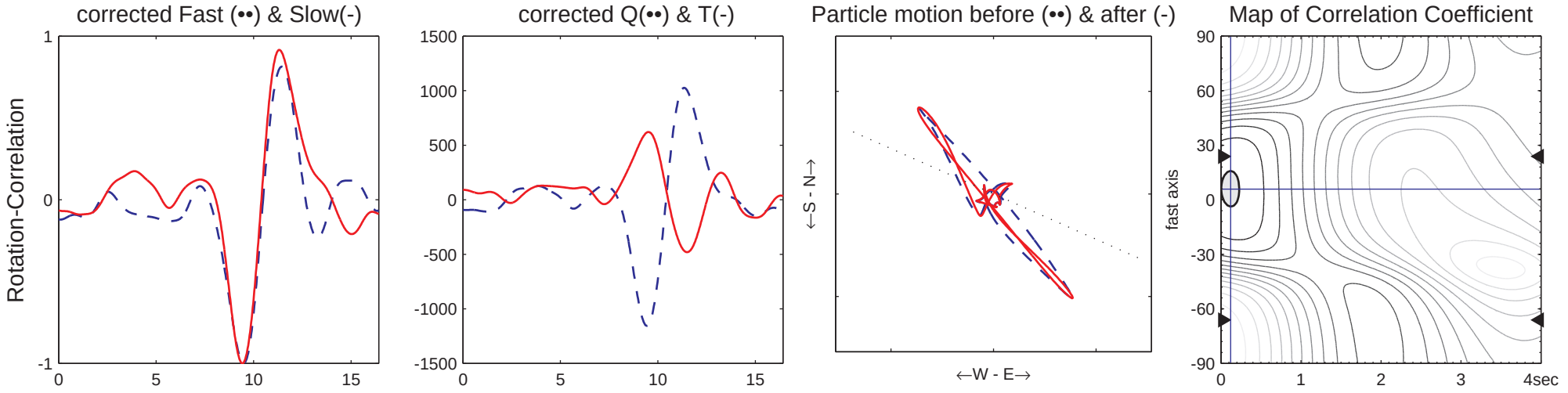


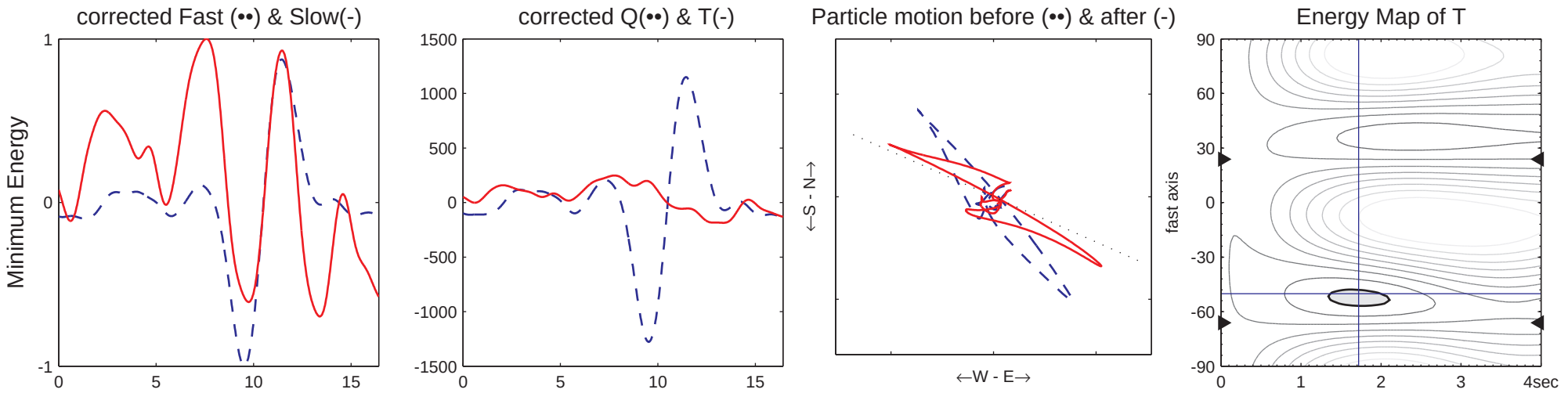
Event: **04-Jul-2009 (185) 06:49 9.59N -78.97E 38km Mw=6.1**
Station: **PINB** Backazimuth: **293.9”** Distance: **103.04”**
init.Pol.: **153.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.3**

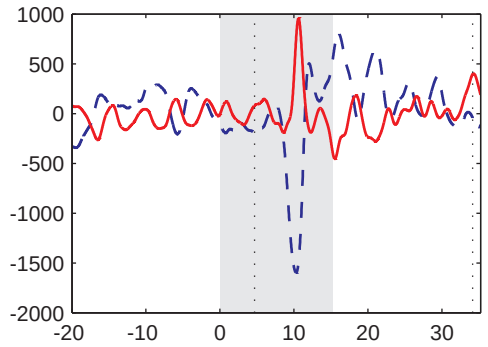
Rotation Correlation:	-4<	6° < 16	0.0<0.1s<0.2
Minimum Energy:	-60<	-50° < -50	1.4<1.7s<2.1
Eigenvalue:	-46<	-38° < -37	3.2<3.5s<3.8

Quality: **fair** IsNull: **Yes** Phase: **SKS**





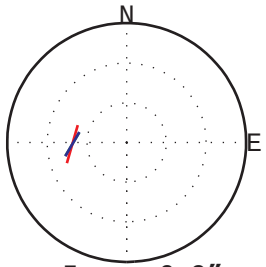




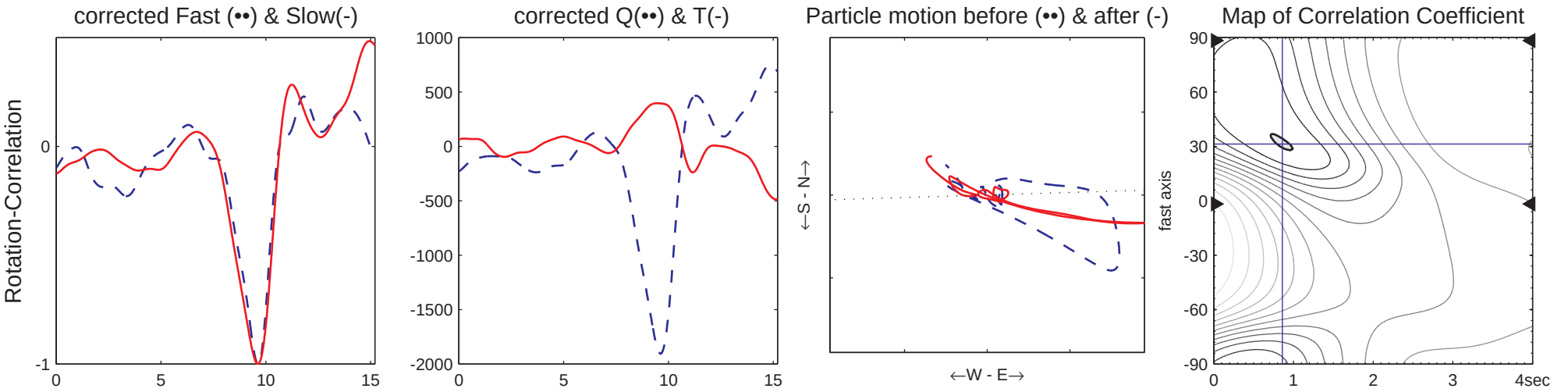
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km** Mw=**6.1**
Station: **PINB** Backazimuth: **268.3”** Distance: **112.38”**
init.Pol.: **103.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.8**

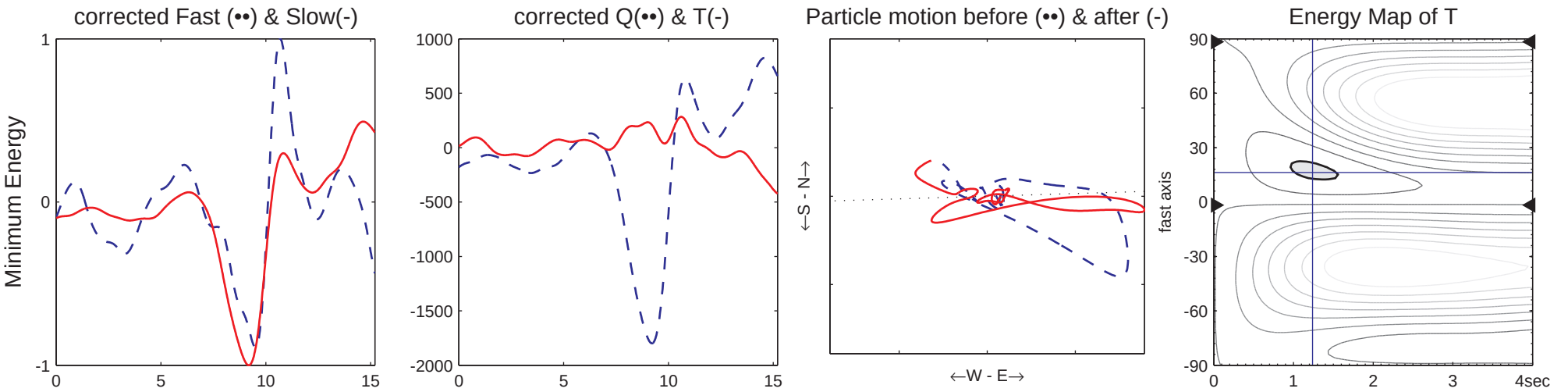
Rotation Correlation:	28<	31° <	37	0.7<0.9s<1.0
Minimum Energy:	13<	16° <	23	1.0<1.2s<1.6
Eigenvalue:	25<	30° <	37	0.7<0.9s<1.1

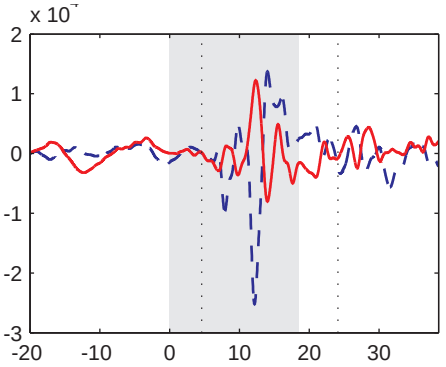
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.9”**



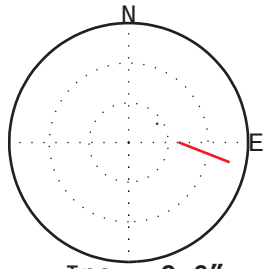


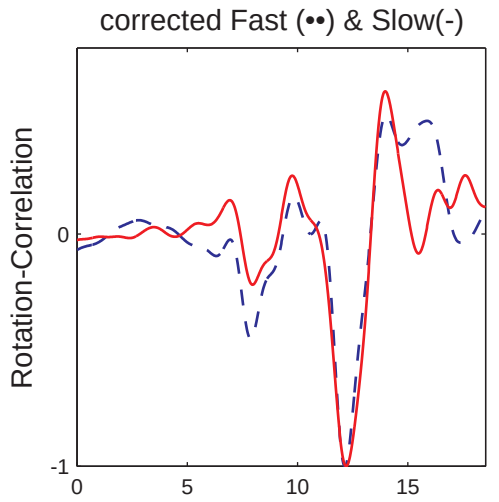


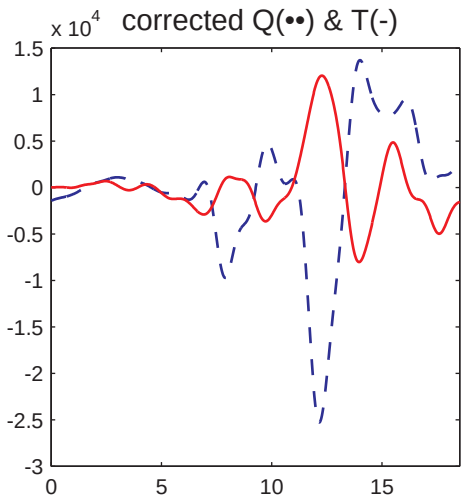
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **PINB** Backazimuth: **97.4”** Distance: **92.15”**
init.Pol.: **315.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.4**

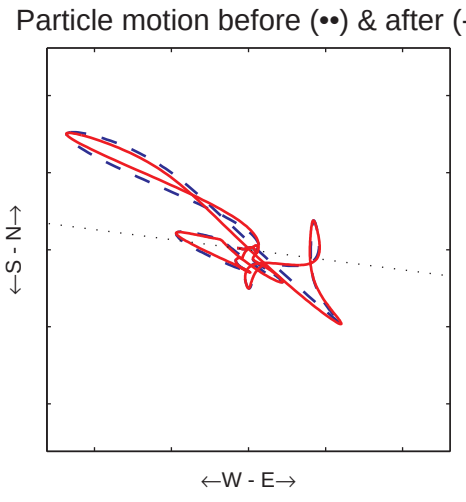
Rotation Correlation:	68<	76° <	85	0.0<0.0s<0.2
Minimum Energy:	-76<	-69° <	-66	1.3<1.7s<2.1
Eigenvalue:	-66<	-59° <	-56	3.2<3.4s<3.6

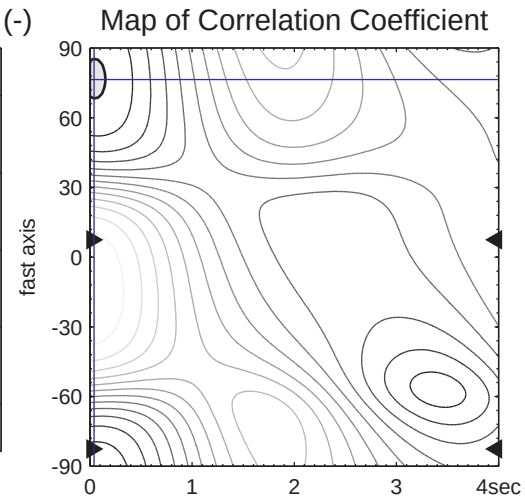
Quality: **fair** IsNull: **Yes** Phase: **SKS**

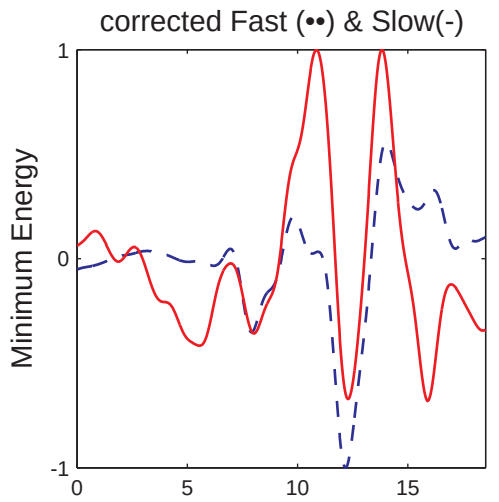


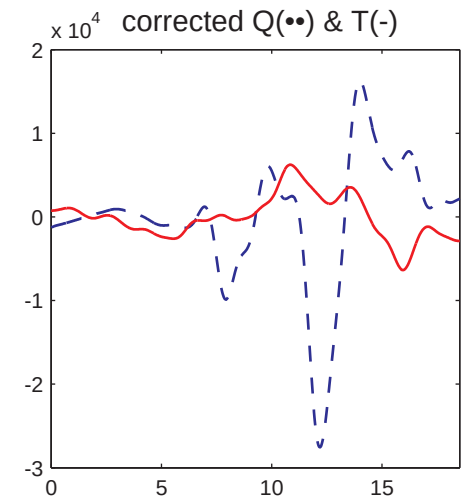


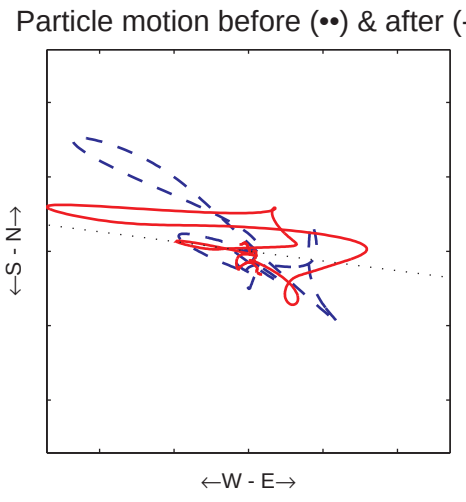


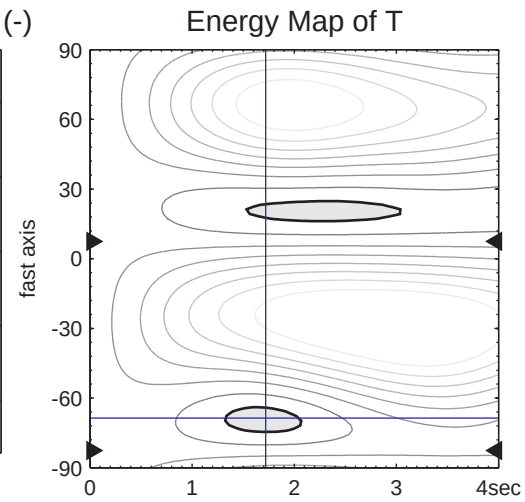


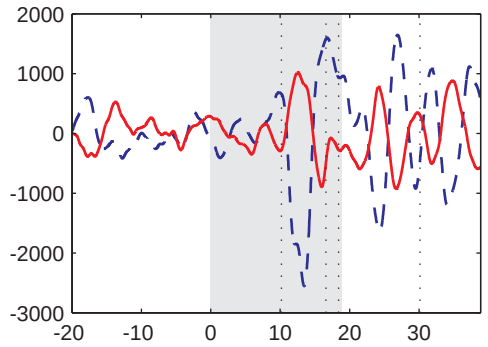








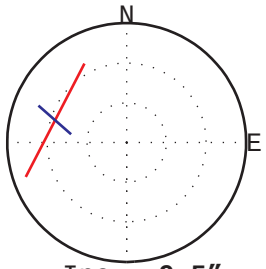


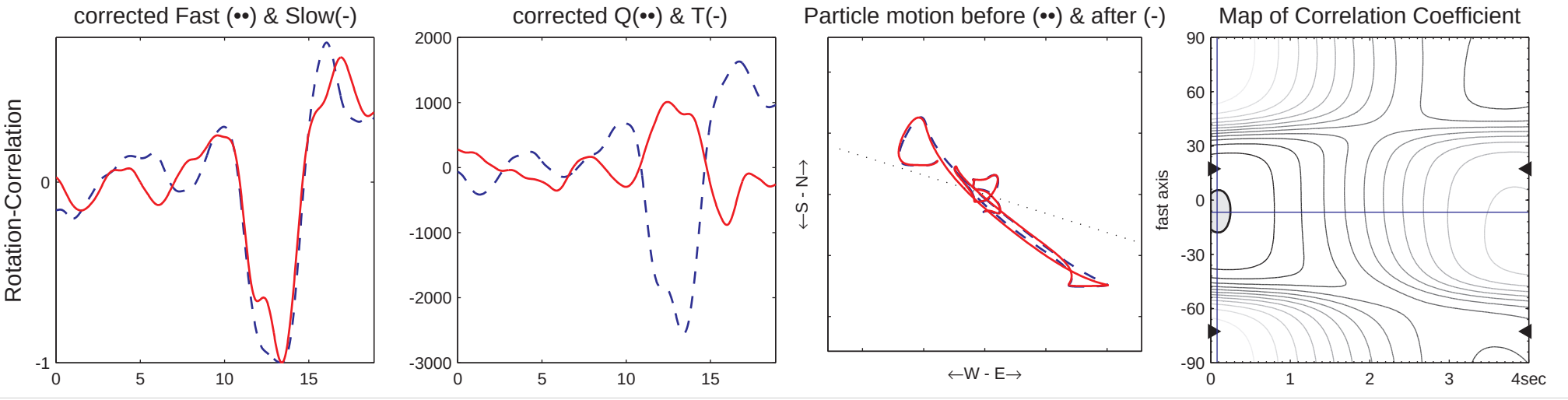


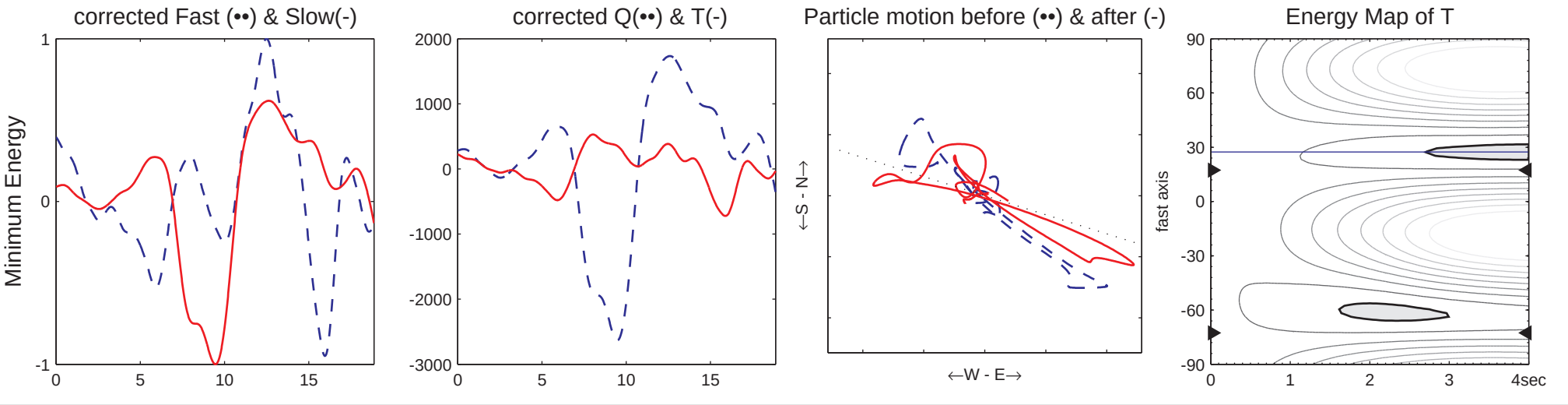
Event: **12-Sep-2009 (255) 20:06 10.71N -67.93E 14km Mw=6.4**
Station: **PINB** Backazimuth: **287.3”** Distance: **94.23”**
init.Pol.: **126.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

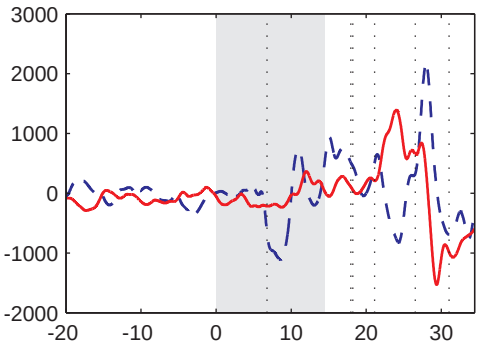
Rotation Correlation:	-19<	-7° <	5	0.0<0.1s<0.2
Minimum Energy:	23<	27° <	31	2.7<4.0s<4.0
Eigenvalue:	-58<	-49° <	37	0.0<1.4s<4.0

Quality: **fair** IsNull: **Yes** Phase: **SKS**





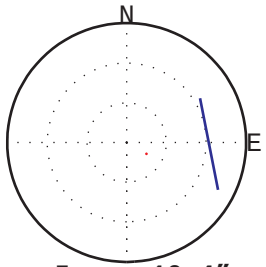




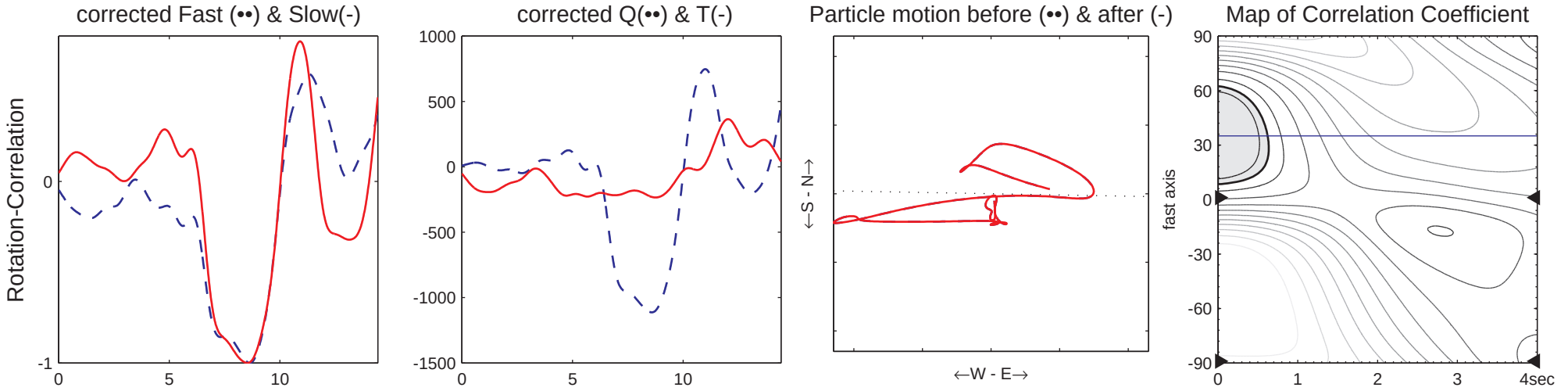
Event: **05-Apr-2010 (095) 10:05 -0.18N 125.01E 25km Mw=6.2**
Station: **PINB** Backazimuth: **91.0”** Distance: **89.03”**
init.Pol.: **247.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.9**

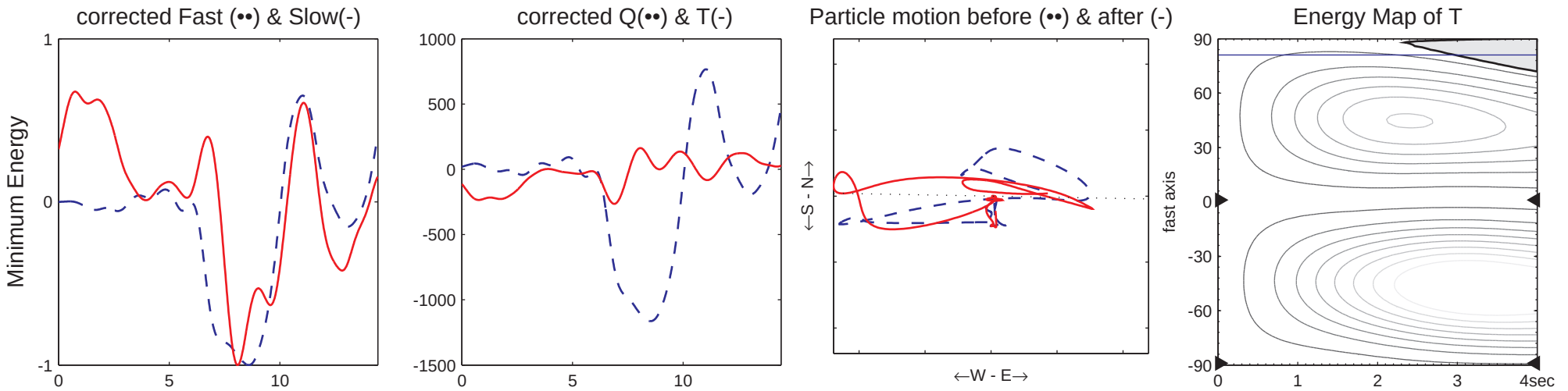
Rotation Correlation:	9<	35° <	63	0.0<0.0s<0.6
Minimum Energy:	72<	81° <	-92	2.4<4.0s<4.0
Eigenvalue:	-25<	-11° <	-3	1.9<2.9s<4.0

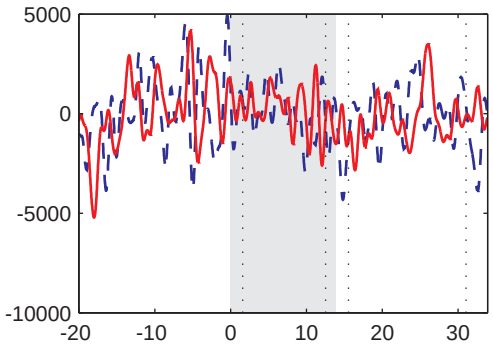
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.4”**



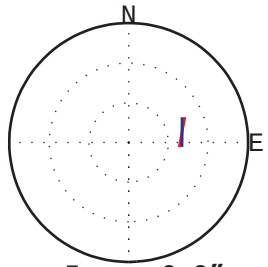


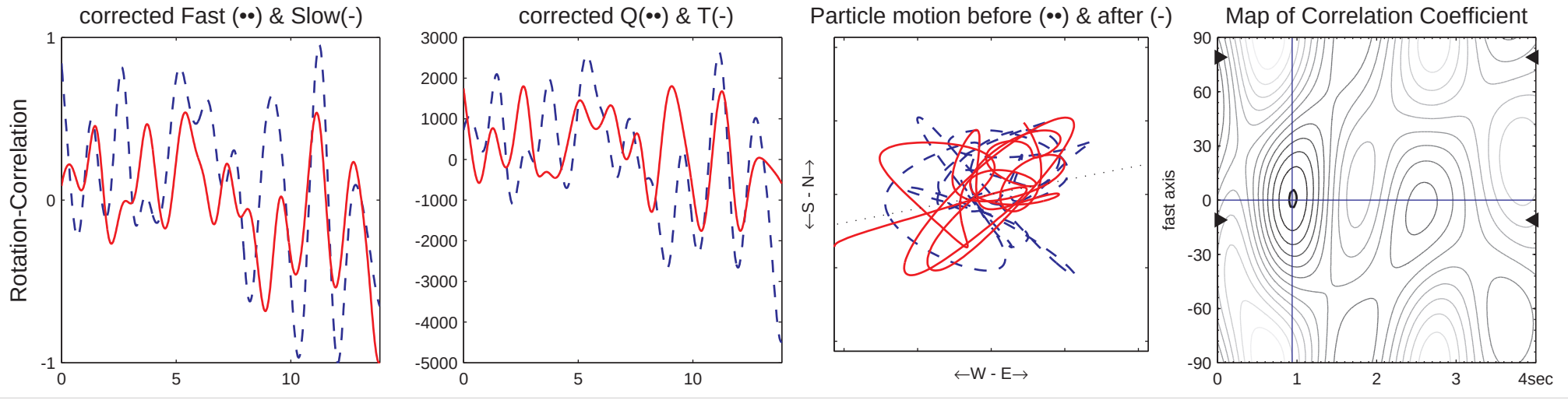


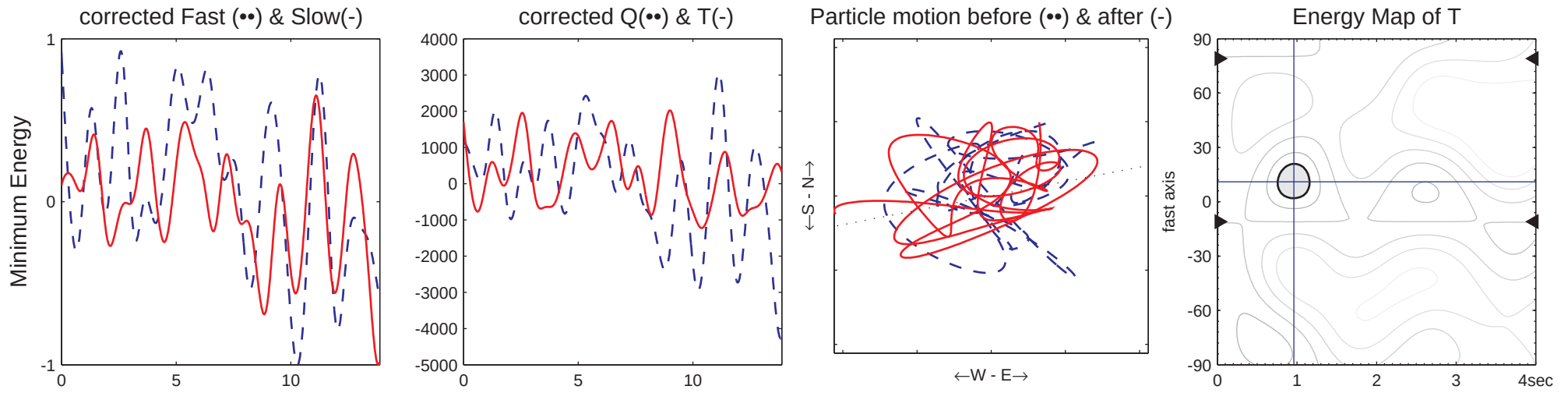
Event: **20-Jul-2010 (201) 19:18 -5.90N 150.71E 24km Mw=6.3**
Station: **PINB** Backazimuth: **79.0”** Distance: **112.58”**
init.Pol.: **241.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.6**

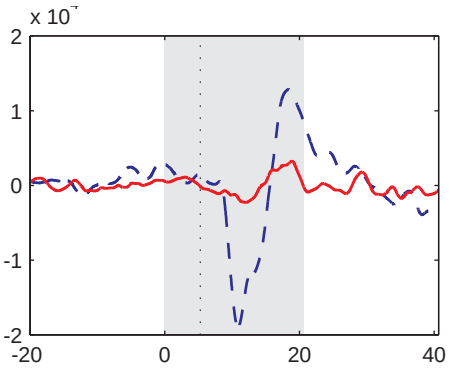
Rotation Correlation:	-4<	0° <	6	0.9<0.9s<1.0
Minimum Energy:	1<	11° <	21	0.8<1.0s<1.2
Eigenvalue:	-13<	1° <	15	0.8<0.9s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





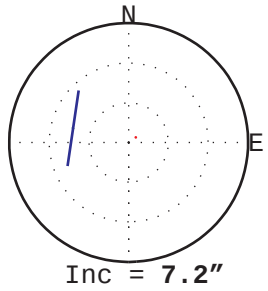


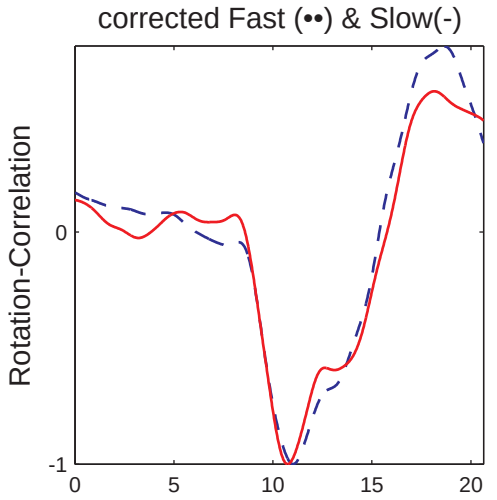


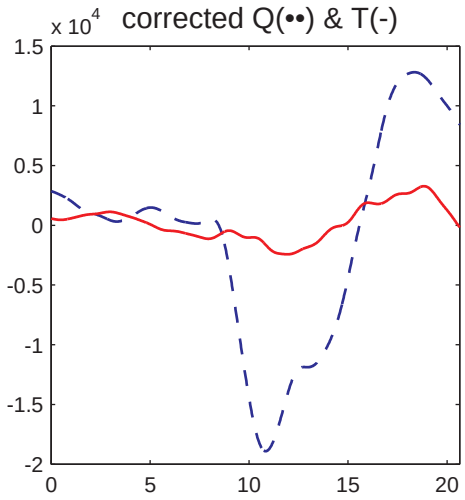
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **PINB** Backazimuth: **284.3”** Distance: **109.13”**
init.Pol.: **94.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**14.2**

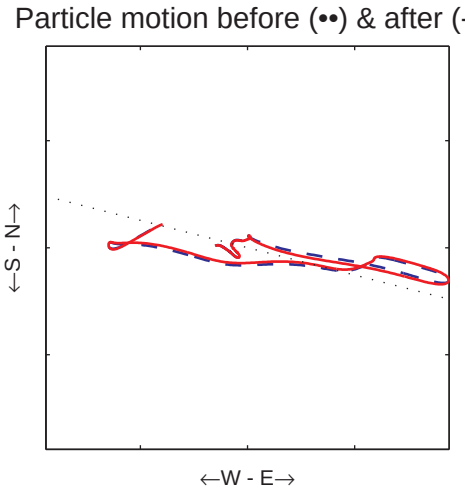
Rotation Correlation:	28<	50° <	75	0.0<0.1s<0.4
Minimum Energy:	-86<	-82° <	-82	3.4<4.0s<4.0
Eigenvalue:	5<	8° <	17	0.5<2.4s<4.0

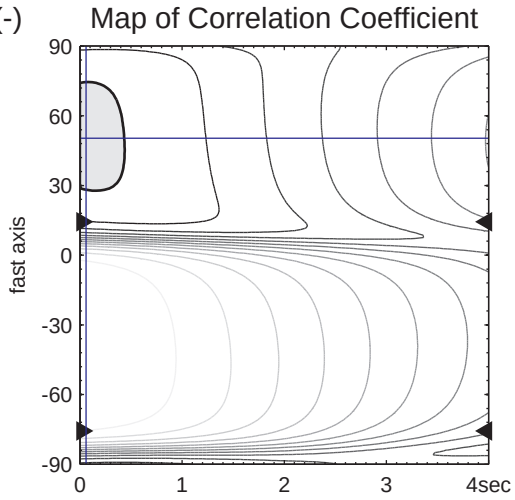
Quality: **good** IsNull: **Yes** Phase: **SKS**

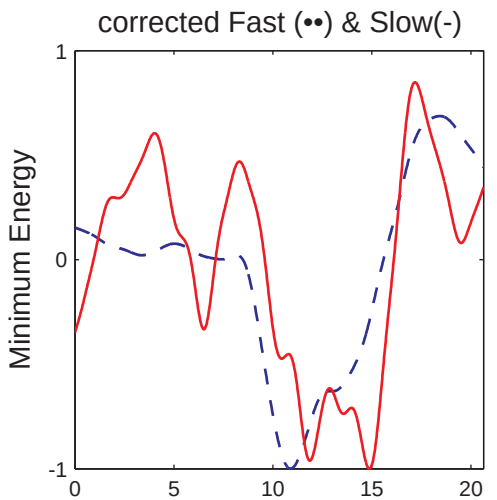


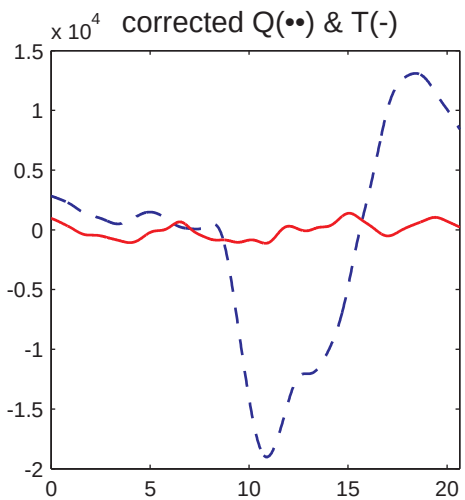


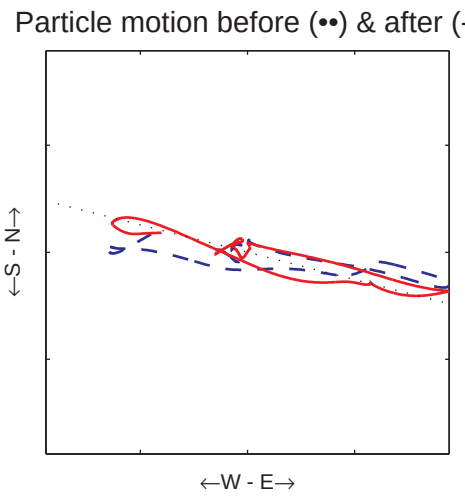


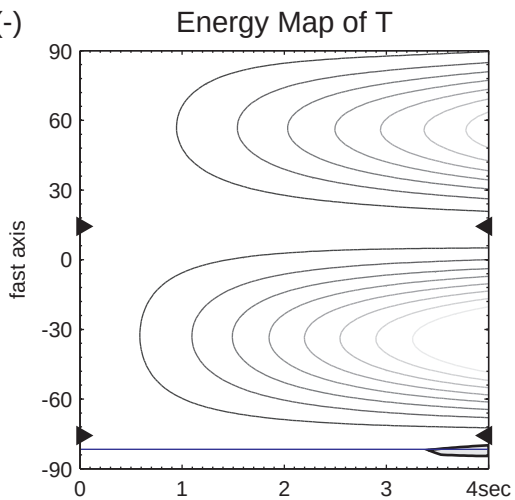


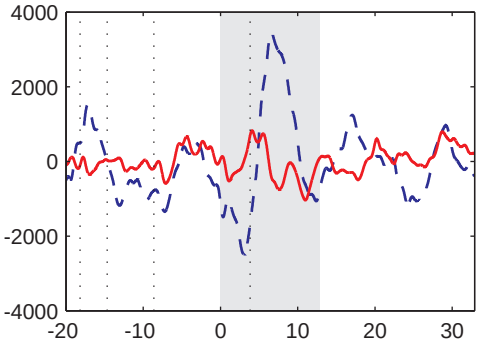








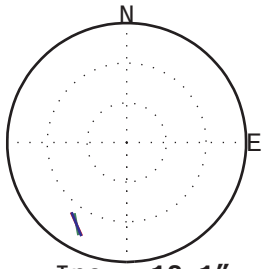




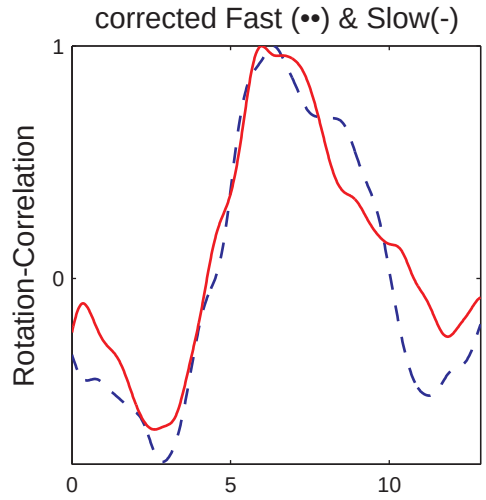
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **PINB** Backazimuth: **211.6”** Distance: **109.13”**
init.Pol.: **31.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.1**

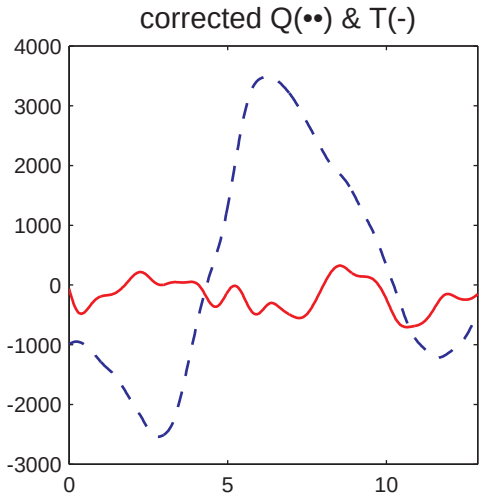
Rotation Correlation:	-26<	-10° < 5	0.4<0.7s<1.0
Minimum Energy:	-48<	-24° < 11	0.5<0.8s<1.4
Eigenvalue:	-48<	-22° < 19	0.5<0.8s<1.3

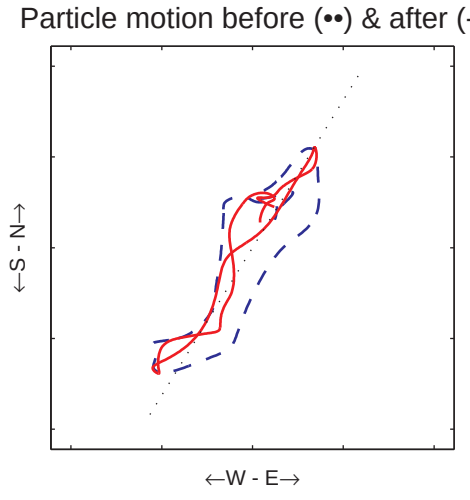
Quality: **fair** IsNull: **No** Phase: **SKKS**

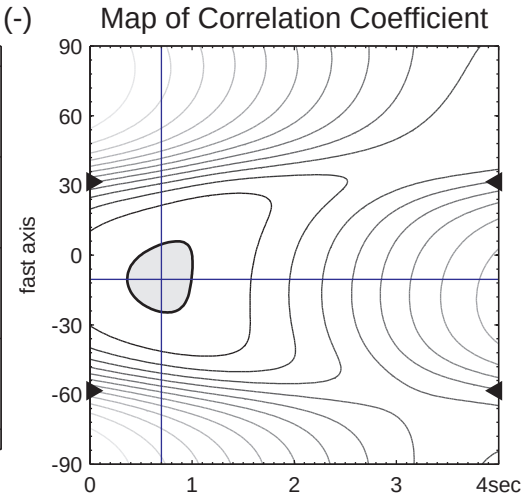


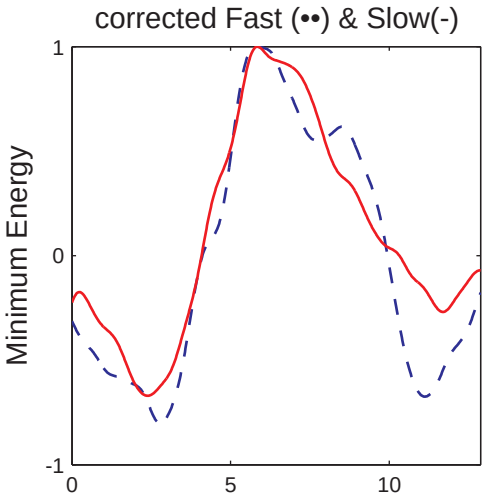
Inc = **12.1”**

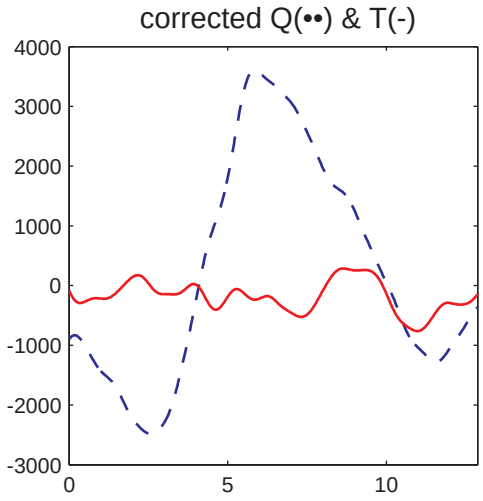


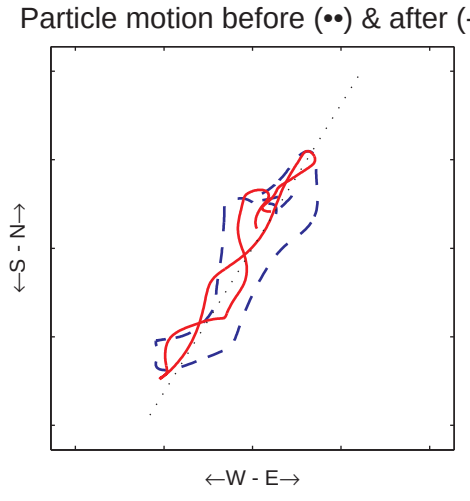


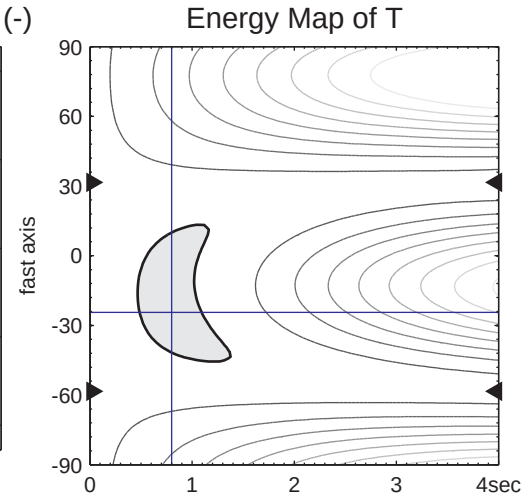


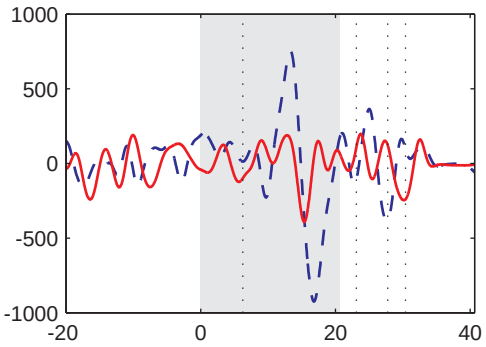








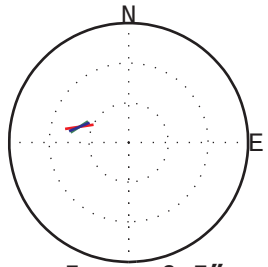


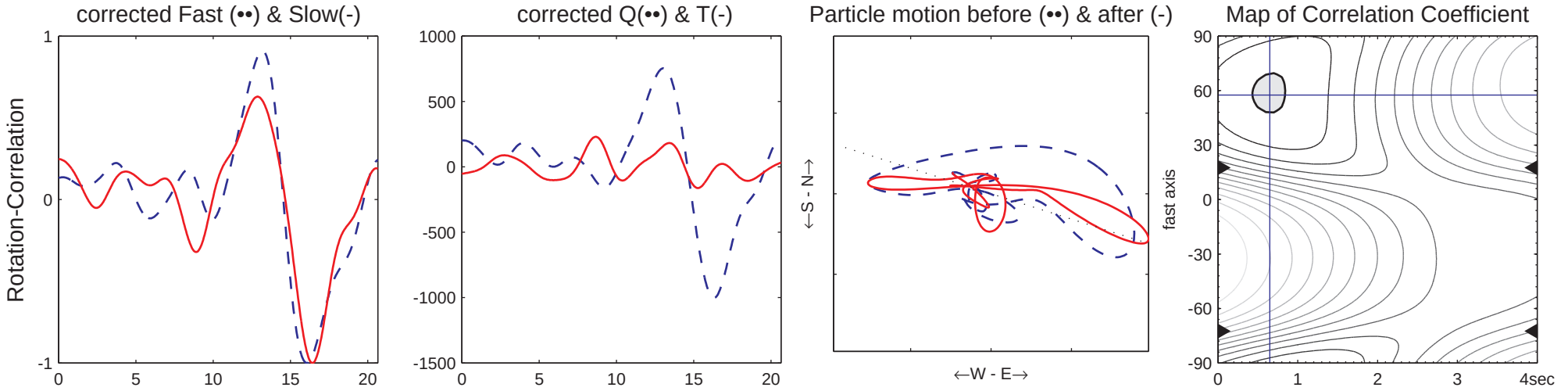


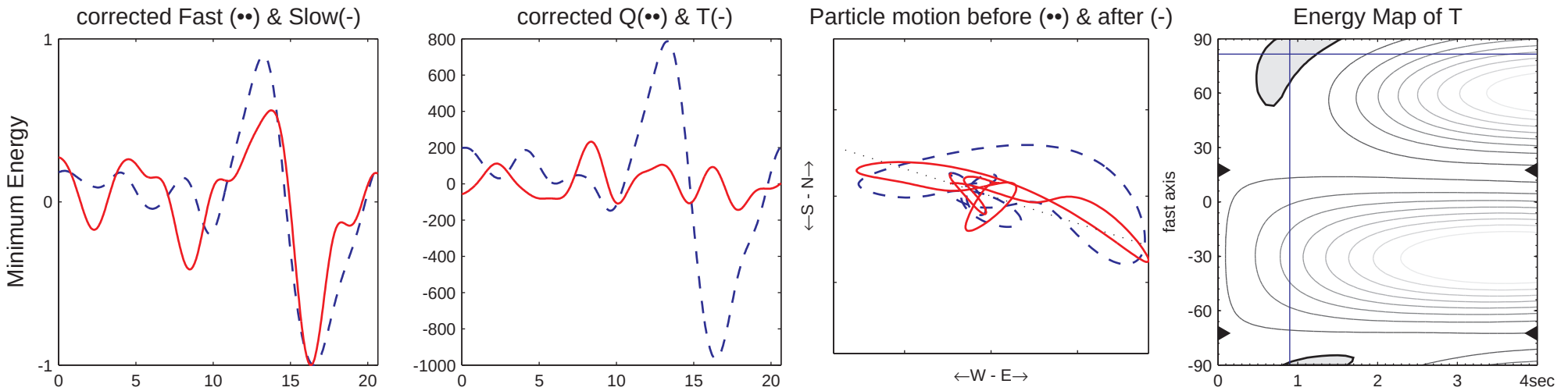
Event: **21-May-2005 (141) 05:11 -3.29N -80.99E 39km Mw=6.3**
Station: **PTK** Backazimuth: **287.5”** Distance: **115.41”**
init.Pol.: **102.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.6**

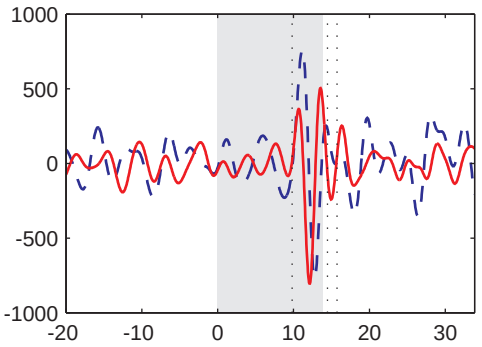
Rotation Correlation:	48<	58° <	70	0.4<0.7s<0.8
Minimum Energy:	54<	82° <	-86	0.5<0.9s<1.7
Eigenvalue:	25<	68° <	-88	0.4<0.7s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





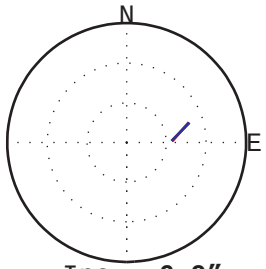


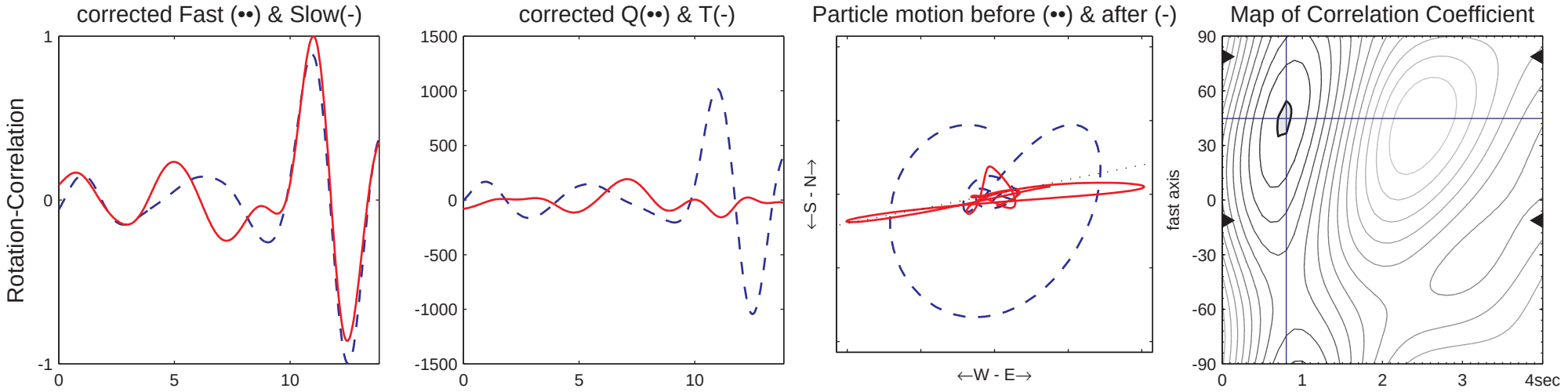


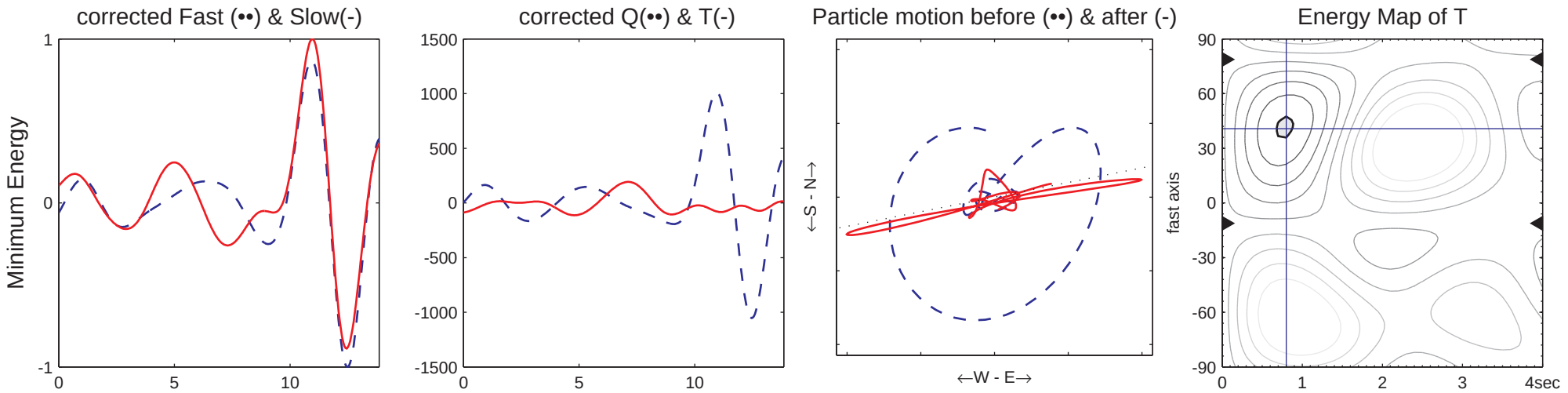
Event: **16-Sep-2005 (259) 00:31 -5.62N 153.59E 10km Mw=6.1**
Station: **PTK** Backazimuth: **78.8”** Distance: **112.27”**
init.Pol.: **262.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.0**

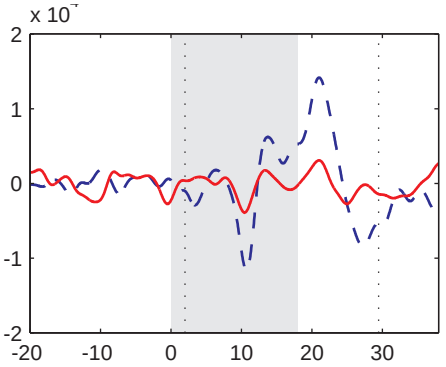
Rotation Correlation:	35<	45° <	55	0.7<0.8s<0.9
Minimum Energy:	35<	41° <	48	0.7<0.8s<0.9
Eigenvalue:	33<	45° <	58	0.7<0.8s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





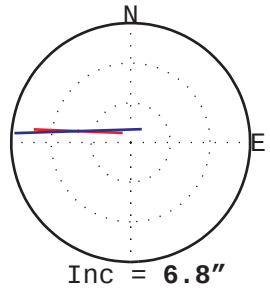


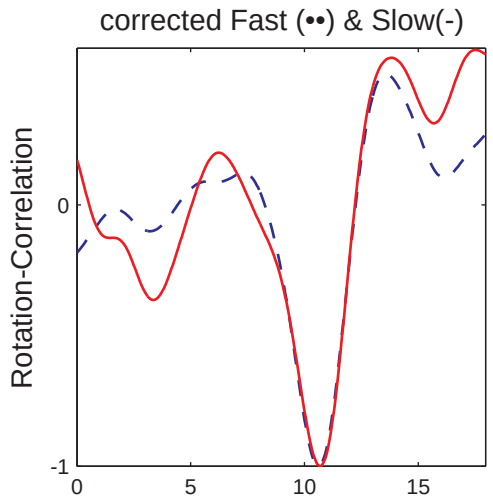


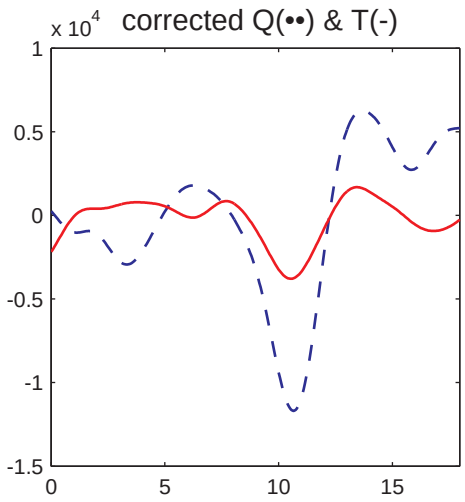
Event: **26-Sep-2005 (269) 01:55 -5.68N -76.40E 115km Mw=7.5**
Station: **PTK** Backazimuth: **282.3”** Distance: **113.52”**
init.Pol.: **91.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.1**

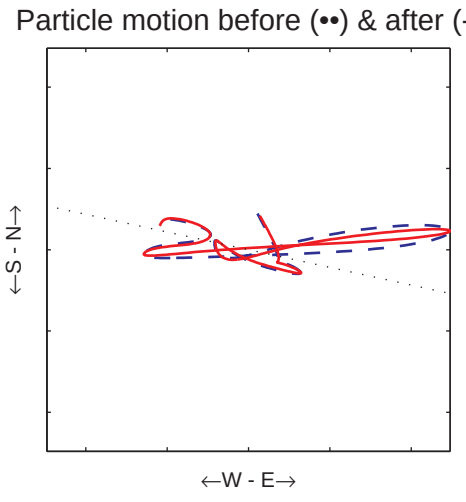
Rotation Correlation:	33<	44° <	57	0.0<0.1s<0.3
Minimum Energy:	-92<	-88° <	-86	1.8<2.8s<4.0
Eigenvalue:	88<	88° <	-90	2.0<4.0s<4.0

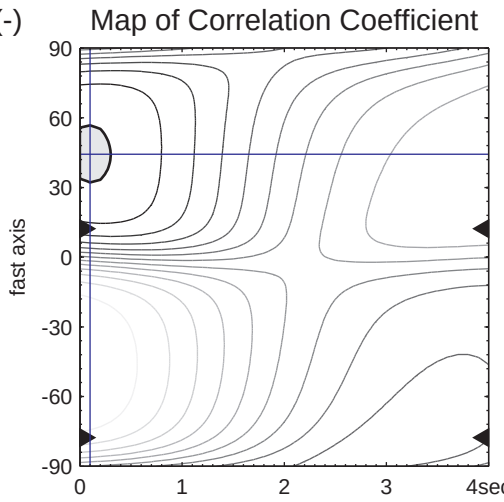
Quality: **good** IsNull: **Yes** Phase: **SKS**

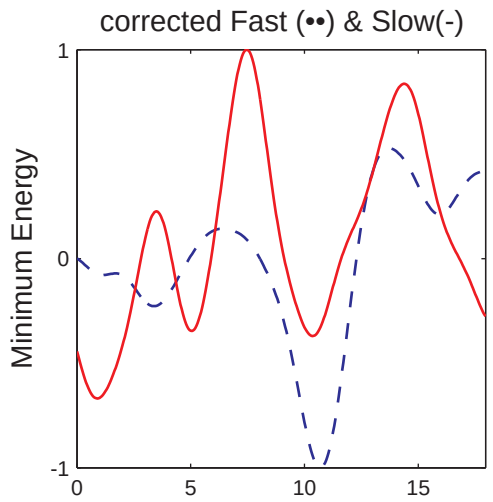


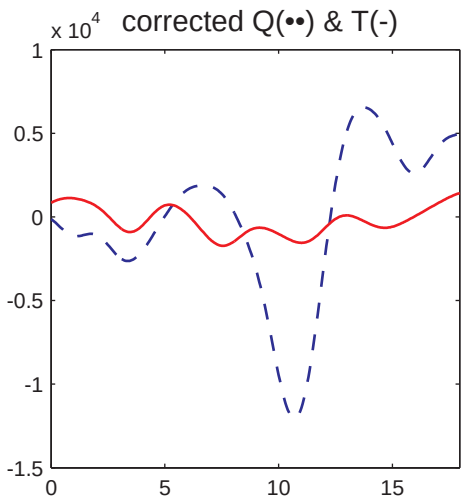


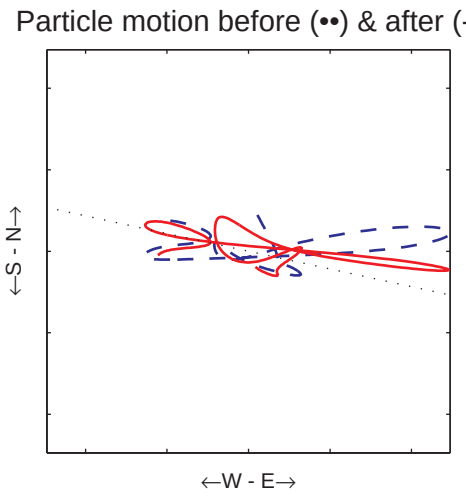


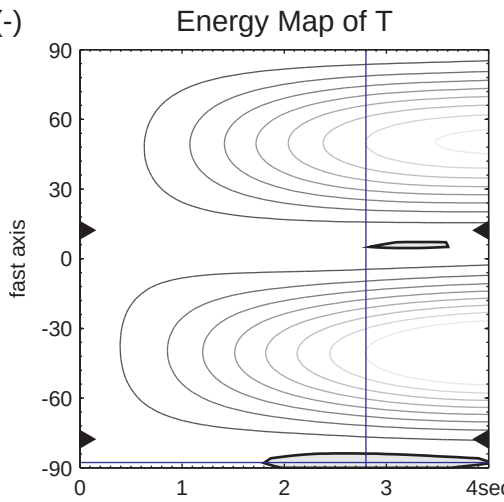


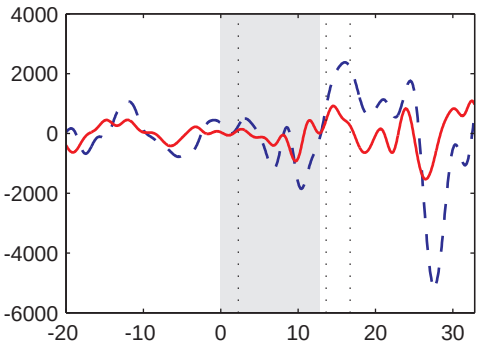








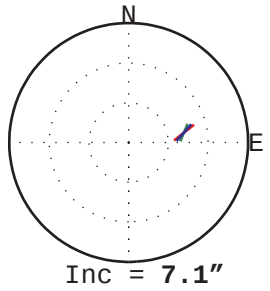


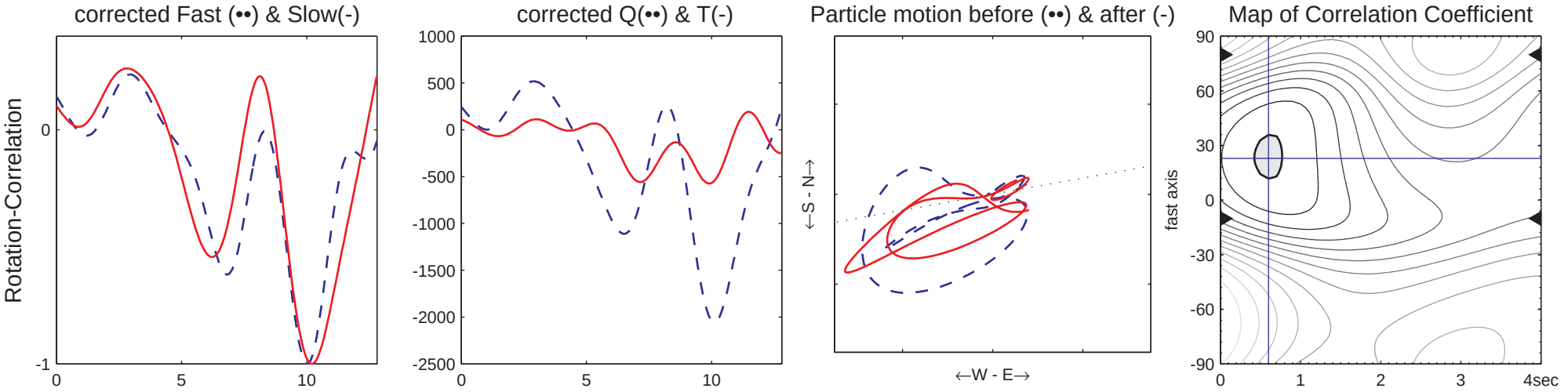


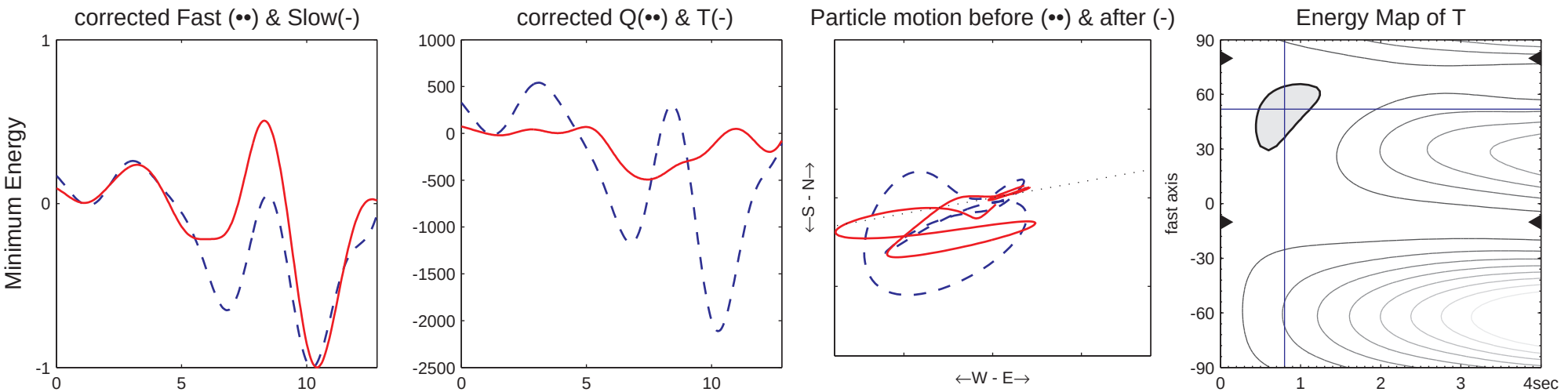
Event: **29-Sep-2005 (272) 15:50 -5.44N 151.84E 25km Mw=6.7**
Station: **PTK** Backazimuth: **79.8”** Distance: **110.82”**
init.Pol.: **253.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

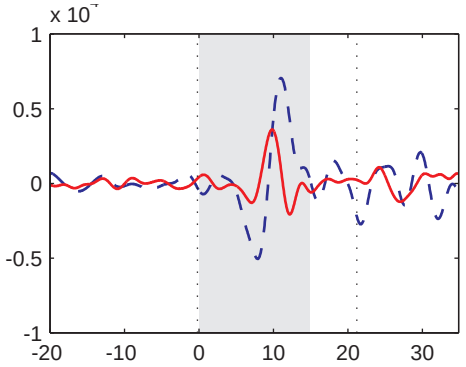
Rotation Correlation:	12<	23° <	36	0.4<0.6s<0.8
Minimum Energy:	29<	52° <	66	0.4<0.8s<1.2
Eigenvalue:	3<	42° <	60	0.4<0.7s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





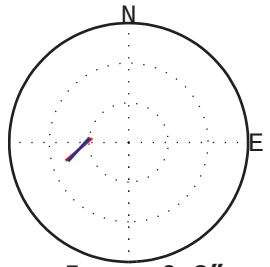




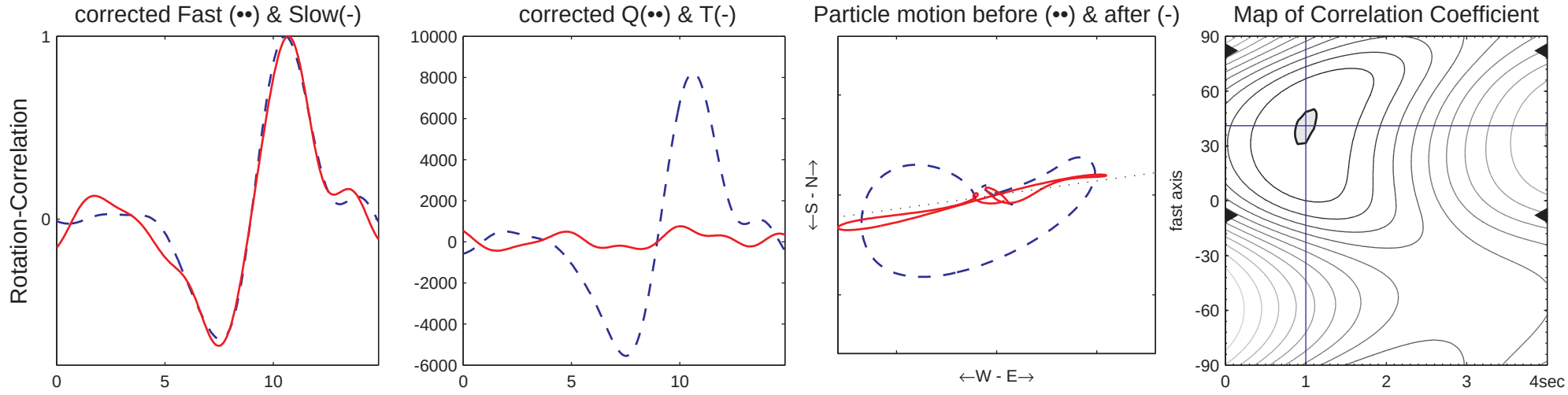
Event: **17-Nov-2005 (321) 19:26 -22.32N -67.89E 162km** Mw=**6.9**
Station: **PTK** Backazimuth: **262.1”** Distance: **116.89”**
init.Pol.: **79.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**15.8**

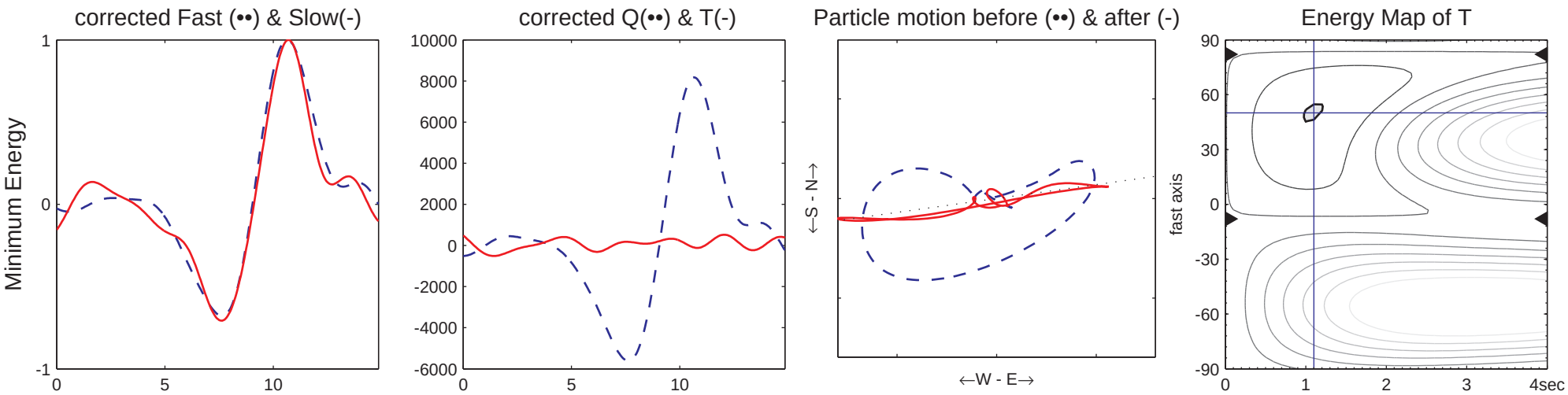
Rotation Correlation:	31<	41° <	50	0.9<1.0s<1.1
Minimum Energy:	46<	50° <	56	1.0<1.1s<1.2
Eigenvalue:	37<	44° <	54	0.9<1.0s<1.2

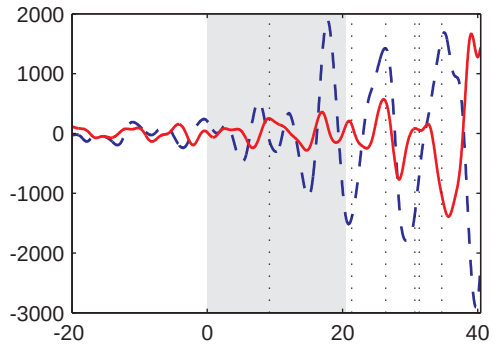
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.3”**



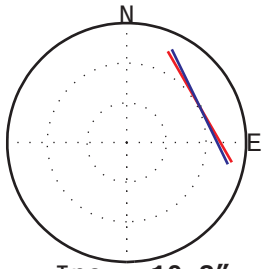




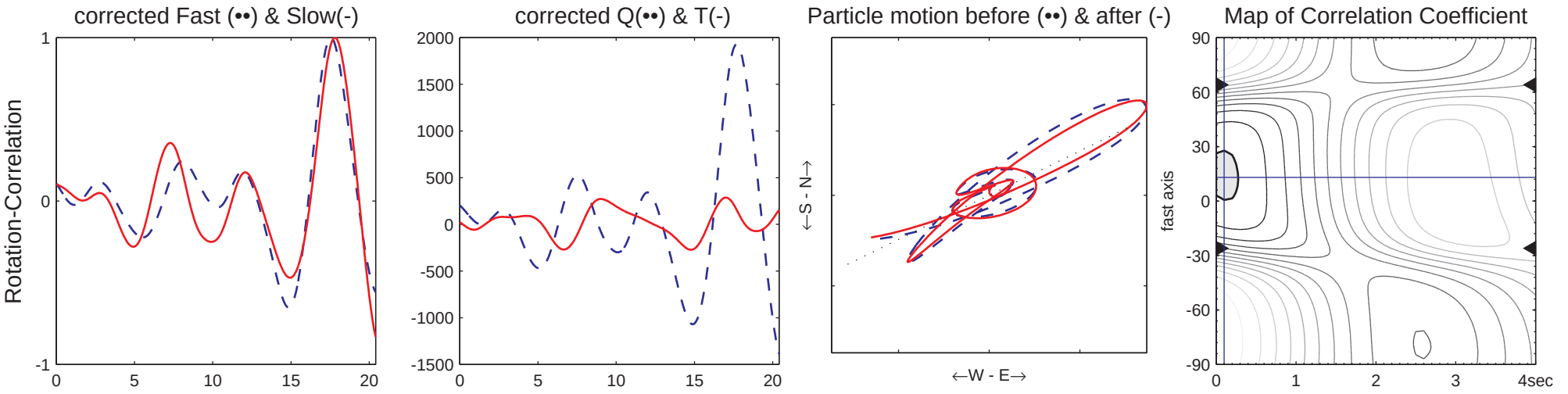
Event: **28-Nov-2005 (332) 16:41 20.29N 146.04E 41km Mw=6.1**
Station: **PTK** Backazimuth: **64.0”** Distance: **89.51”**
init.Pol.: **250.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

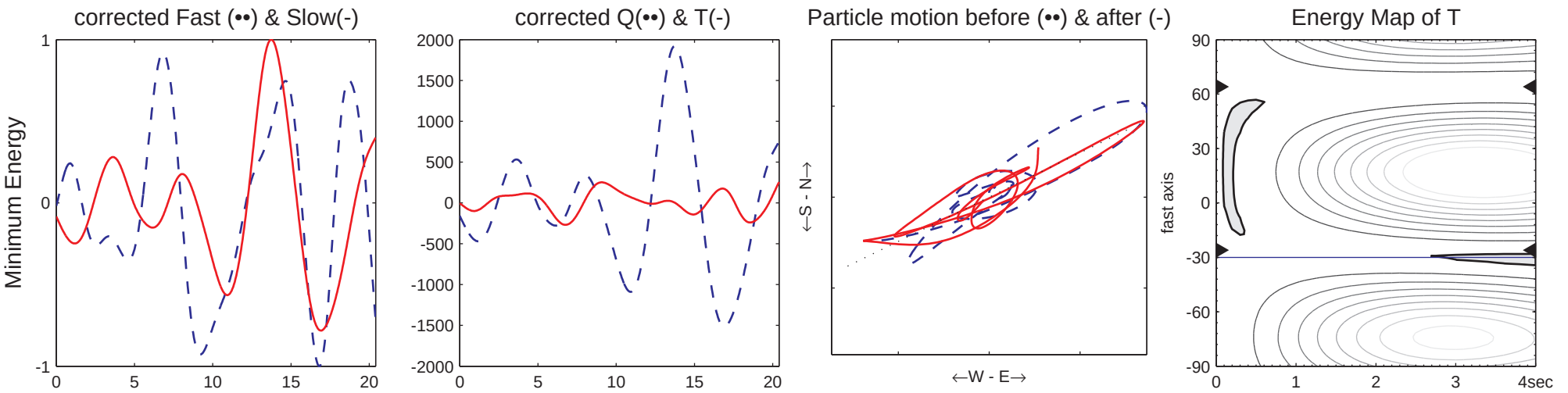
Rotation Correlation:	1<	13° <	28	0.0<0.1s<0.3
Minimum Energy:	-35<	-30° <	-29	2.7<4.0s<4.0
Eigenvalue:	-37<	-26° <	-19	3.1<4.0s<4.0

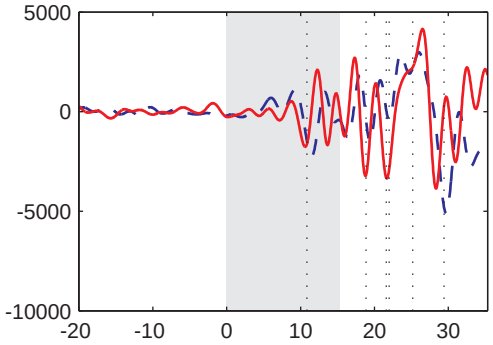
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.3”**



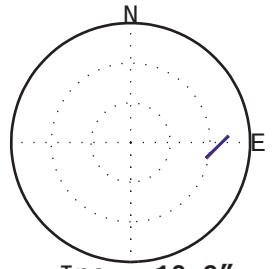




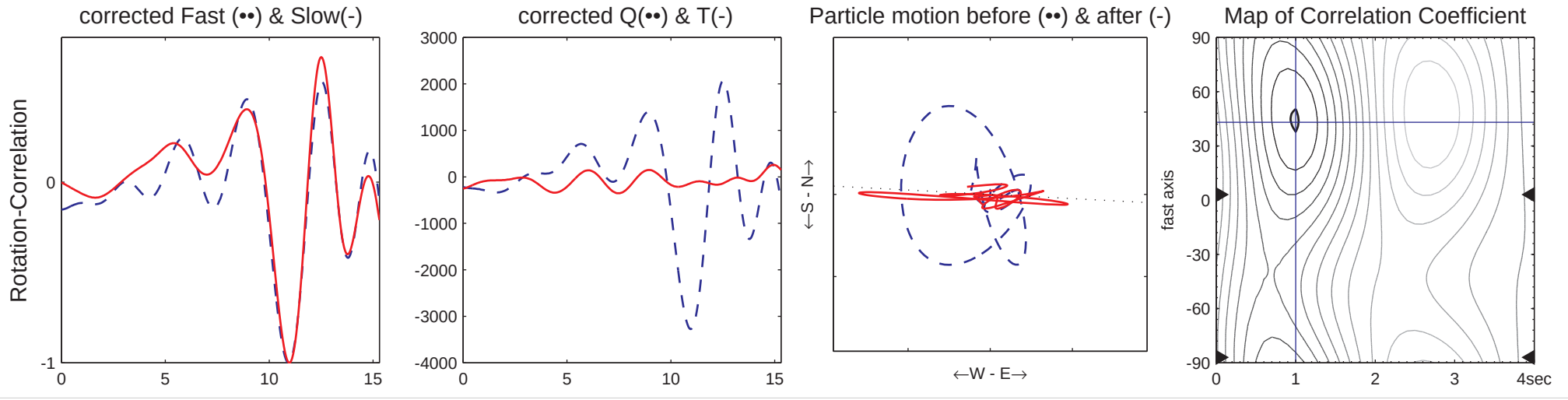
Event: **21-Dec-2005 (355) 07:09 -0.07N 124.67E 25km Mw=6.3**
Station: **PTK** Backazimuth: **93.0”** Distance: **86.37”**
init.Pol.: **275.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.4**

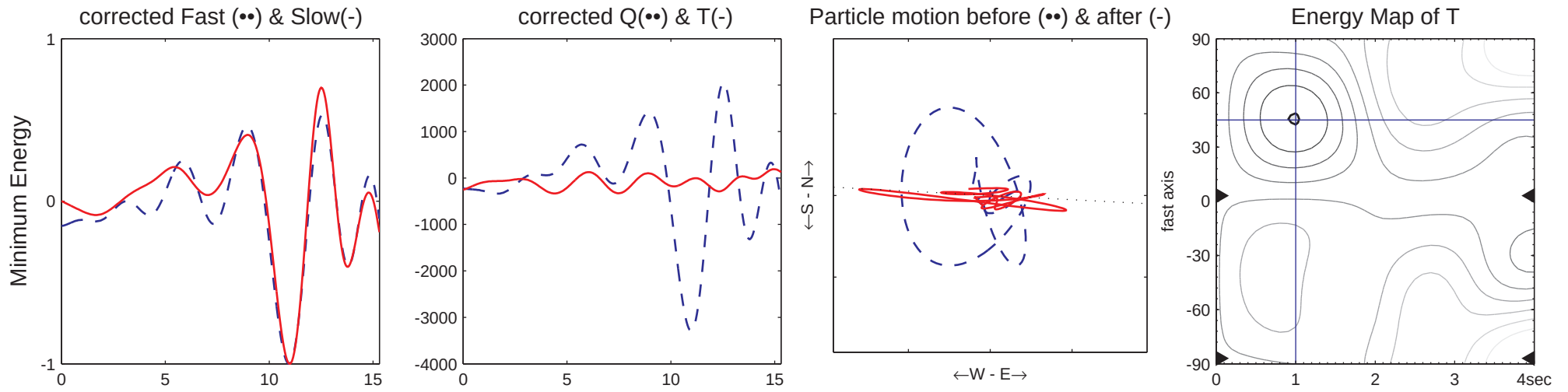
Rotation Correlation:	38<	43° <	51	0.9<1.0s<1.0
Minimum Energy:	41<	45° <	50	0.9<1.0s<1.0
Eigenvalue:	41<	47° <	52	0.9<1.0s<1.0

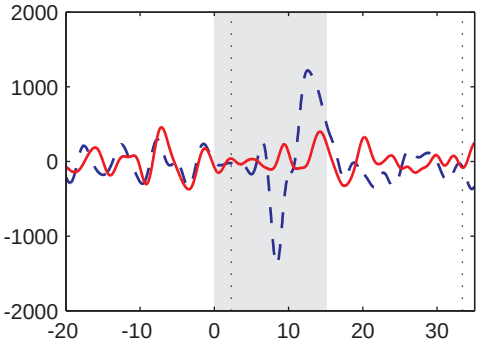
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.9”**



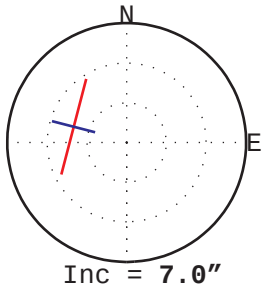


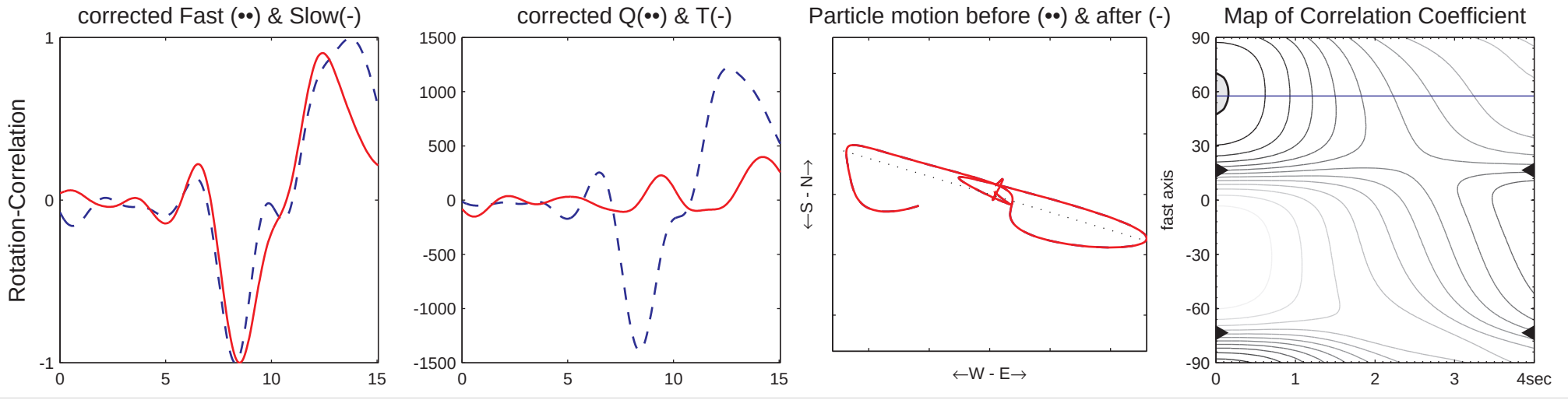


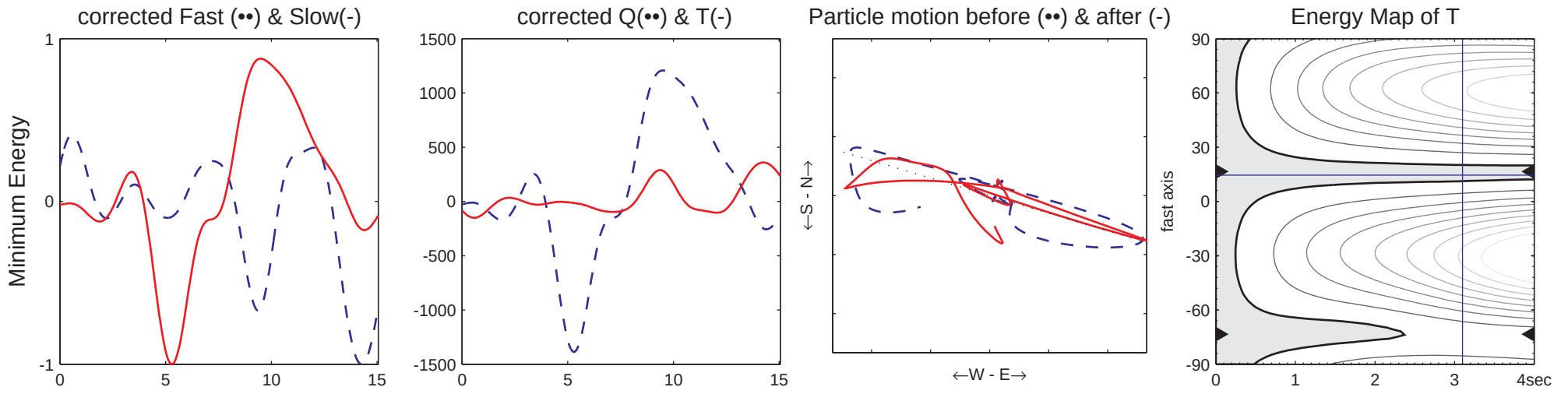
Event: **23-Dec-2005 (357) 21:47 -1.39N -77.52E 192km Mw=6.1**
Station: **PTK** Backazimuth: **286.6”** Distance: **111.56”**
init.Pol.: **100.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

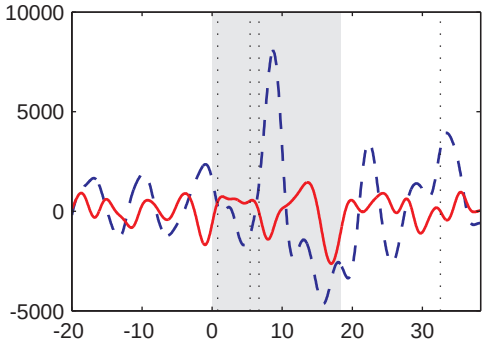
Rotation Correlation:	48<	58° <	70	0.0<0.0s<0.2
Minimum Energy:	-Inf<	15° <	Inf	0.0<3.1s<Inf
Eigenvalue:	-Inf<	-75° <	Inf	0.0<1.4s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





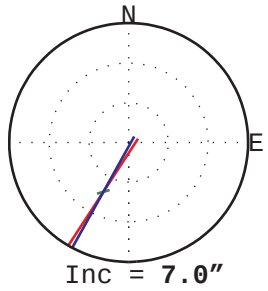


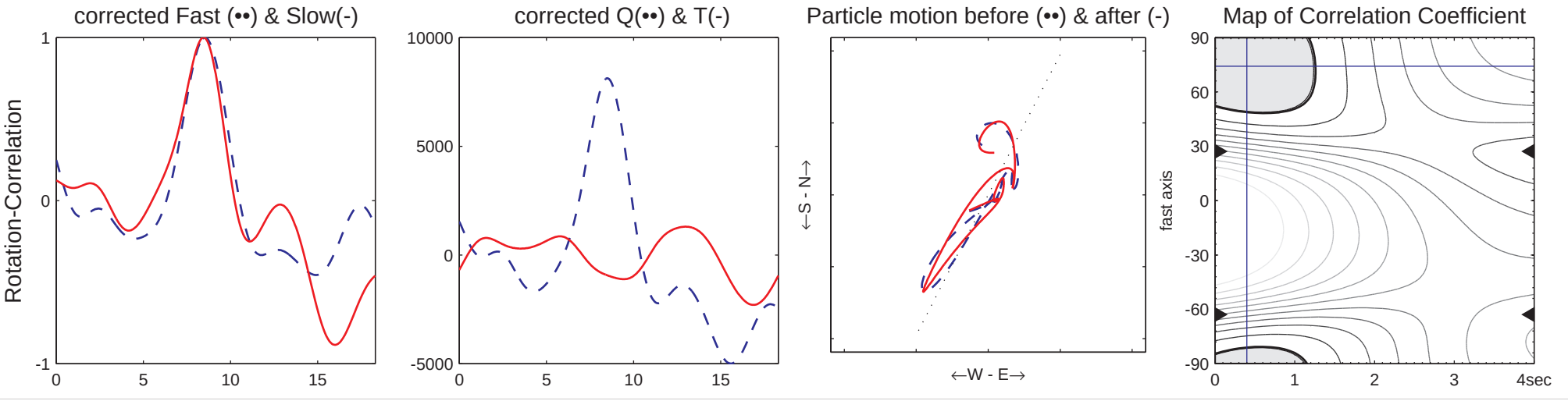


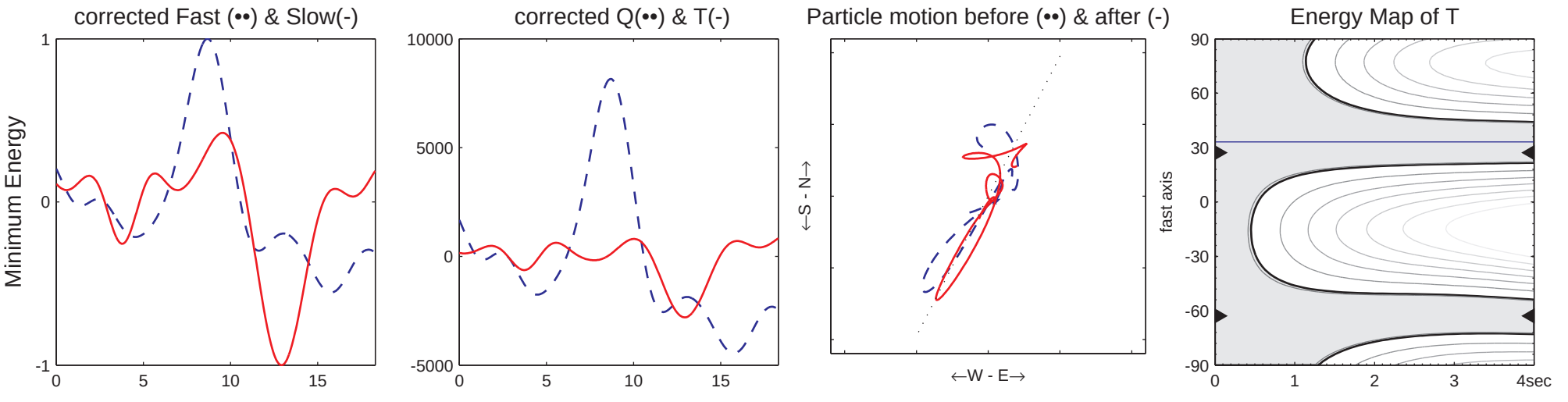
Event: **02-Jan-2006 (002) 06:10 -60.93N -21.58E 10km Mw=7.4**
Station: **PTK** Backazimuth: **207.2”** Distance: **111.42”**
init.Pol.: **19.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

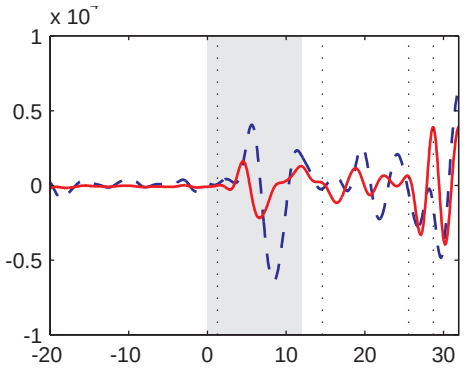
Rotation Correlation:	48<	74° < -82	0.0<0.4s<1.3
Minimum Energy:	-Inf<	33° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	29° < Inf	0.0<4.0s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





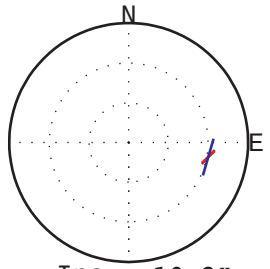


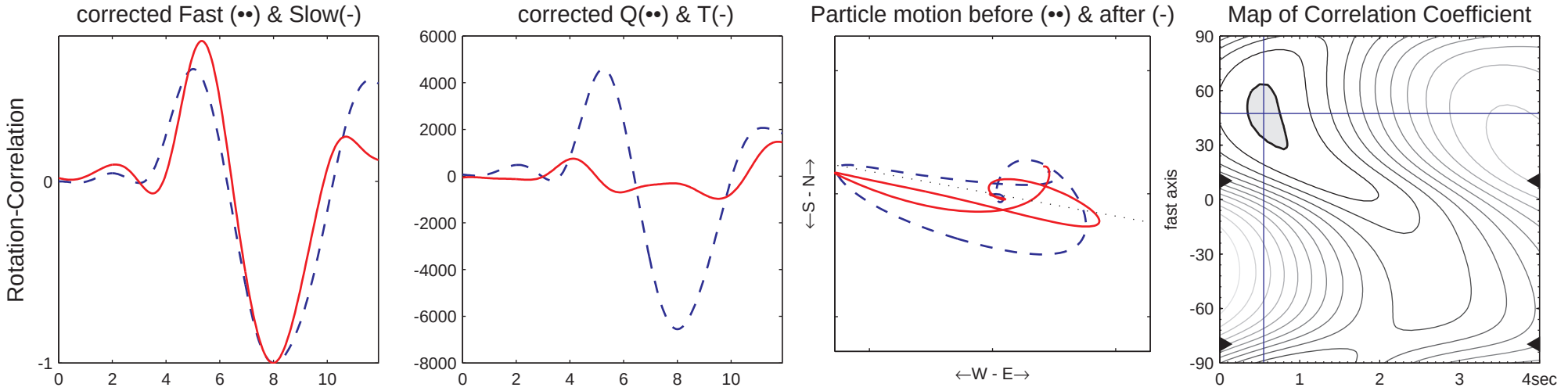


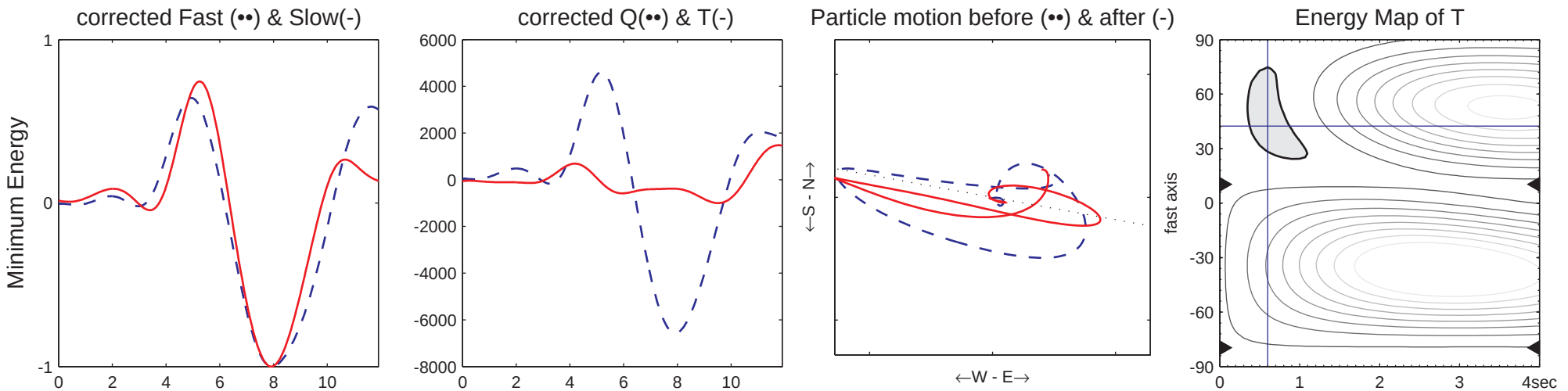
Event: **15-Jan-2006 (015) 11:58 -7.83N 122.60E 264km Mw=6.1**
Station: **PTK** Backazimuth: **100.3”** Distance: **89.68”**
init.Pol.: **267.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.7**

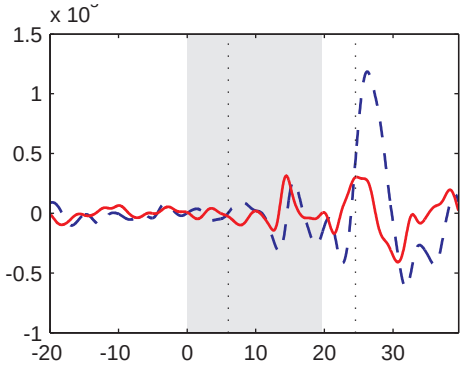
Rotation Correlation:	28<	47° <	64	0.3<0.6s<0.8
Minimum Energy:	25<	42° <	74	0.3<0.6s<1.1
Eigenvalue:	7<	16° <	29	0.8<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





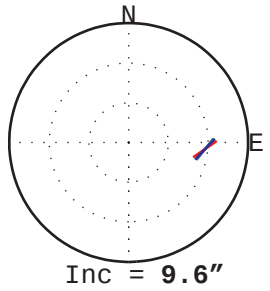


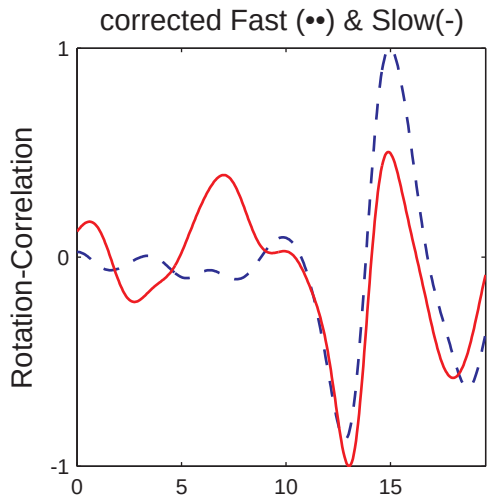


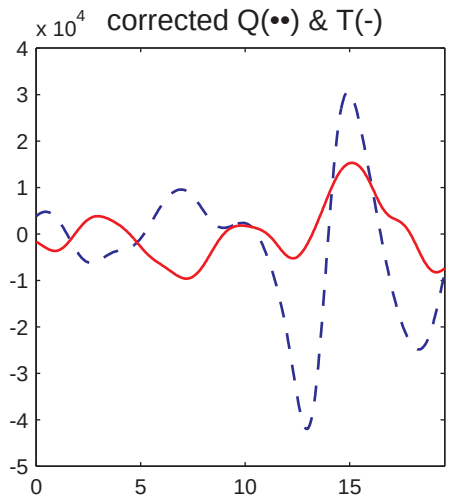
Event: **27-Jan-2006 (027) 16:58 -5.47N 128.13E 397km Mw=7.6**
Station: **PTK** Backazimuth: **95.1”** Distance: **92.45”**
init.Pol.: **266.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

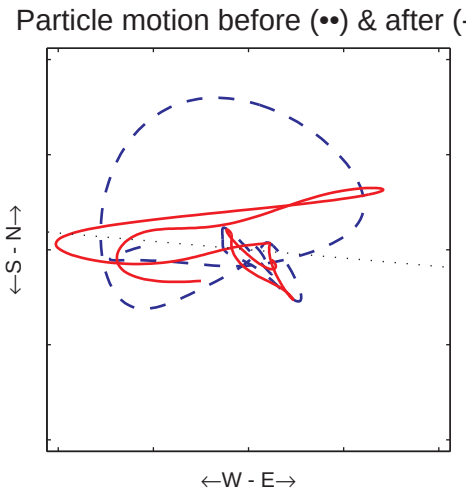
Rotation Correlation:	29<	39° <	53	0.7<0.9s<1.0
Minimum Energy:	39<	55° <	70	0.6<0.9s<1.2
Eigenvalue:	11<	43° <	72	0.6<0.9s<1.2

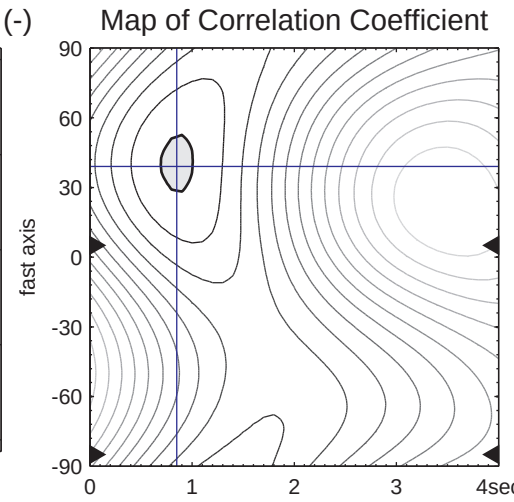
Quality: **fair** IsNull: **No** Phase: **SKS**

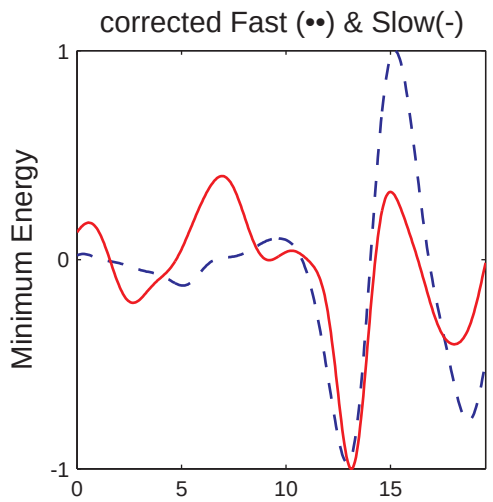


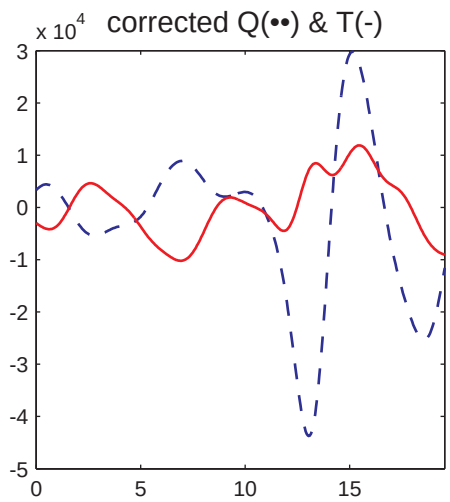


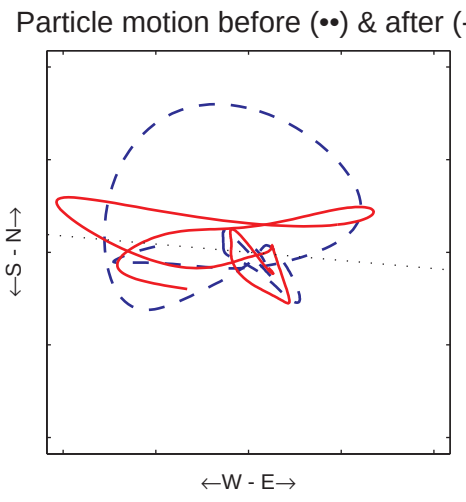


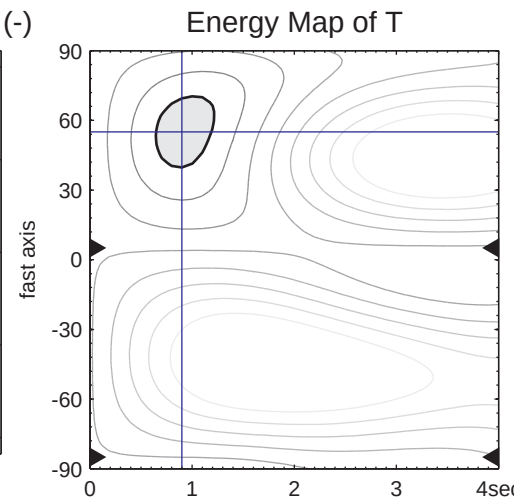


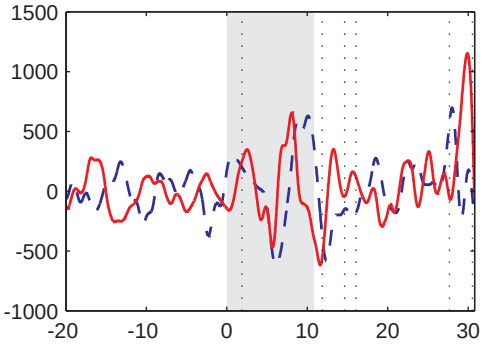








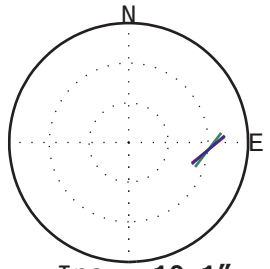




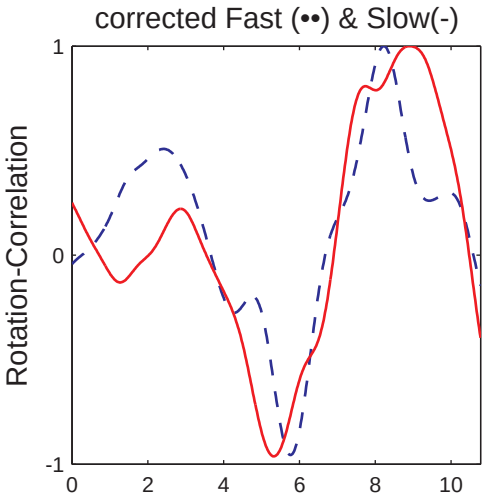
Event: **15-Aug-2006 (227) 03:05 -4.68N 126.71E 22km Mw=5.9**
Station: **PTK** Backazimuth: **95.3”** Distance: **90.86”**
init.Pol.: **274.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.4**

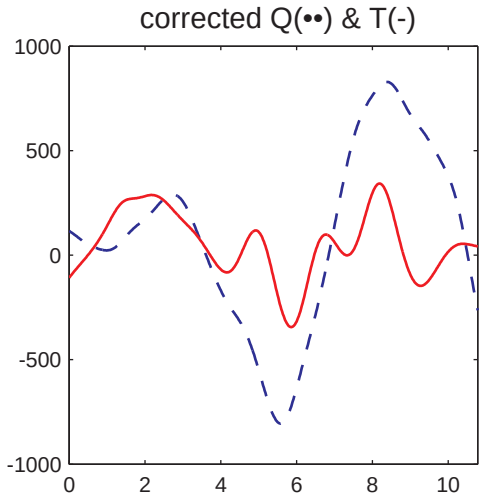
Rotation Correlation:	2<	37° <	73	0.6<1.3s<2.0
Minimum Energy:	31<	51° <	70	0.7<1.3s<2.0
Eigenvalue:	-1<	49° <	-92	0.8<1.4s<2.0

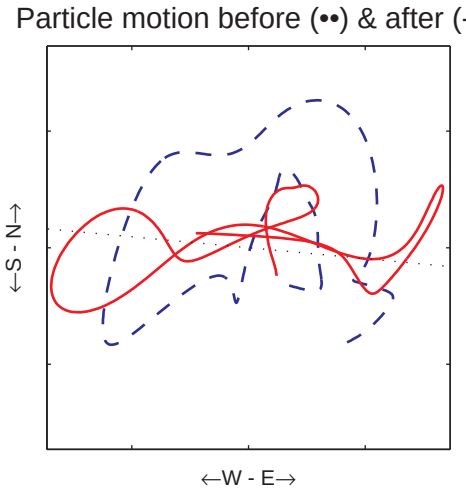
Quality: **fair** IsNull: **No** Phase: **SKS**

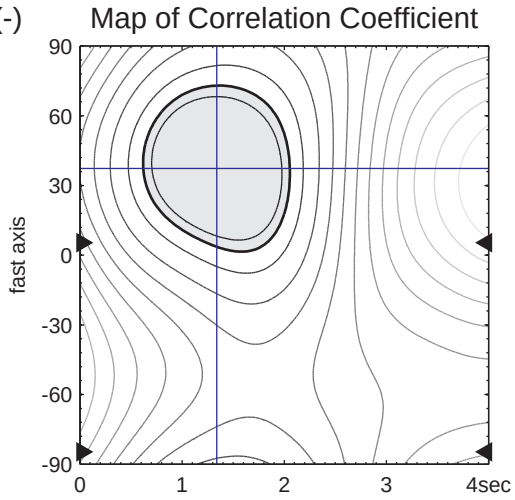


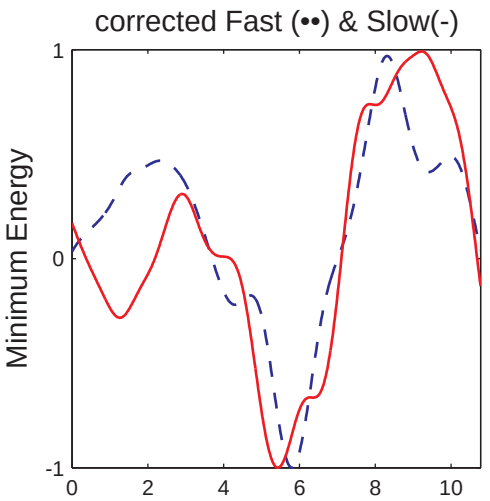
Inc = **10.1”**

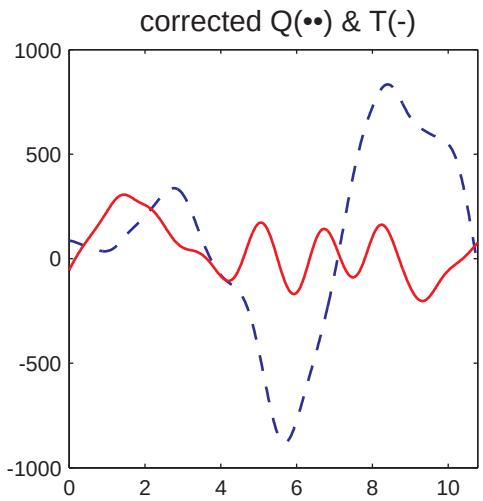


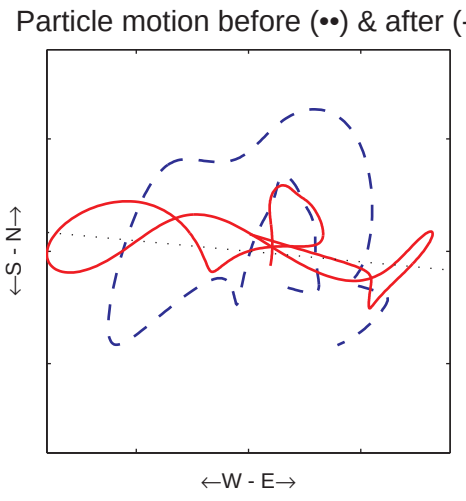


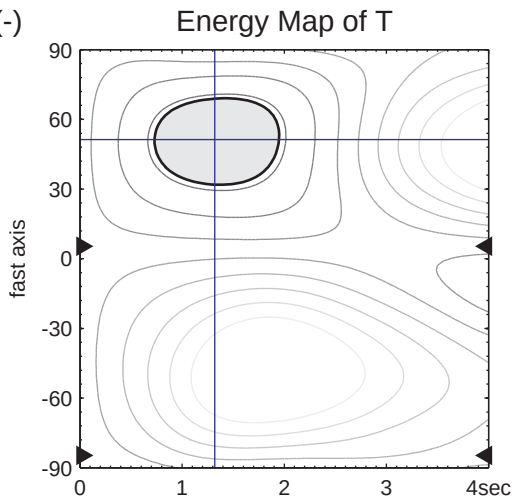


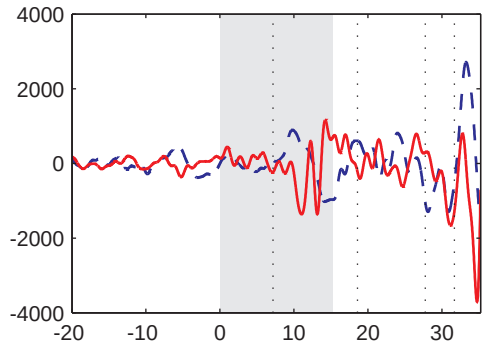








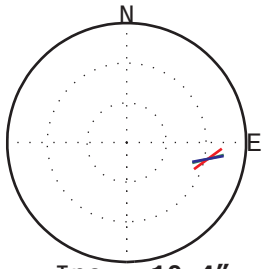




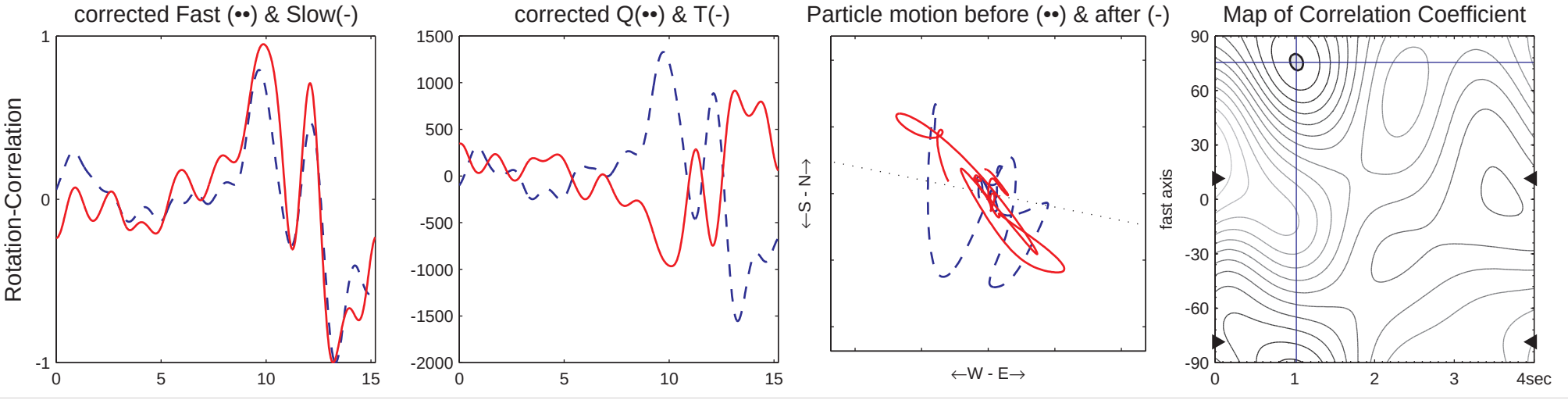
Event: **09-Sep-2006 (252) 04:13 -7.22N 120.10E 571km Mw=6.3**
Station: **PTK** Backazimuth: **101.5”** Distance: **87.38”**
init.Pol.: **320.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.8**

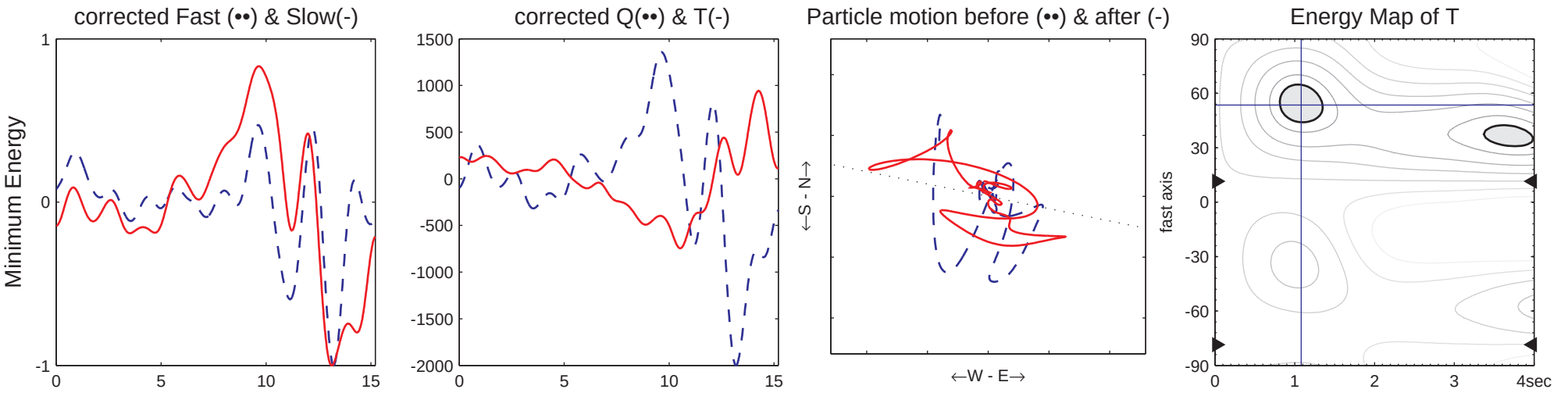
Rotation Correlation:	71<	75° <	80	0.9<1.0s<1.1
Minimum Energy:	43<	53° <	66	0.8<1.1s<1.4
Eigenvalue:	74<	79° <	84	0.9<1.0s<1.1

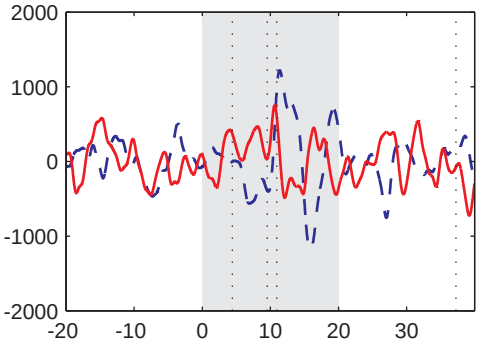
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



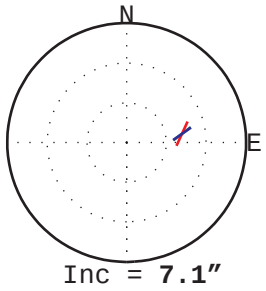


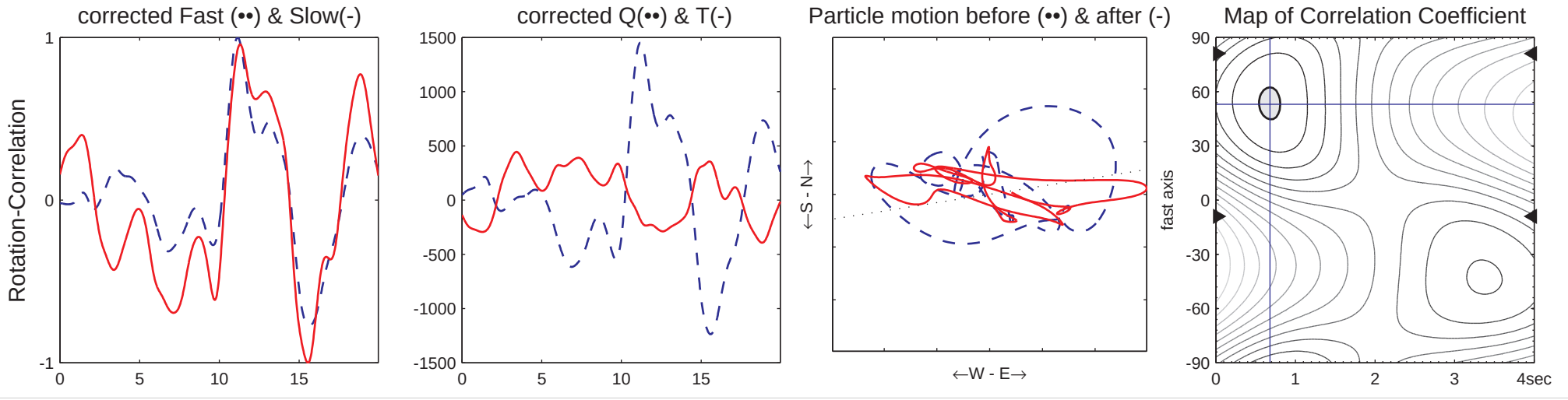


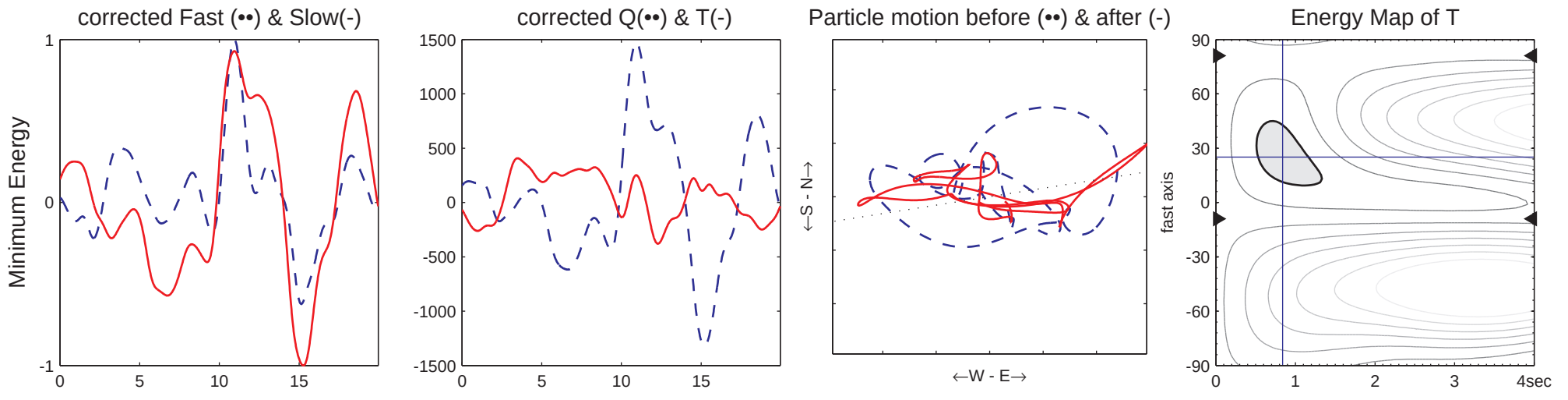
Event: **13-Nov-2006 (317) 16:12 -6.38N 151.23E 11km Mw=6.2**
Station: **PTK** Backazimuth: **81.0”** Distance: **110.95”**
init.Pol.: **279.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

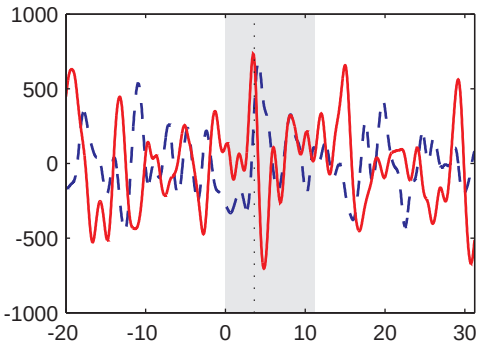
Rotation Correlation:	45<	53° <	63	0.6<0.7s<0.8
Minimum Energy:	9<	25° <	46	0.5<0.8s<1.3
Eigenvalue:	33<	55° <	76	0.5<0.7s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





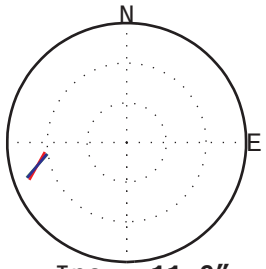




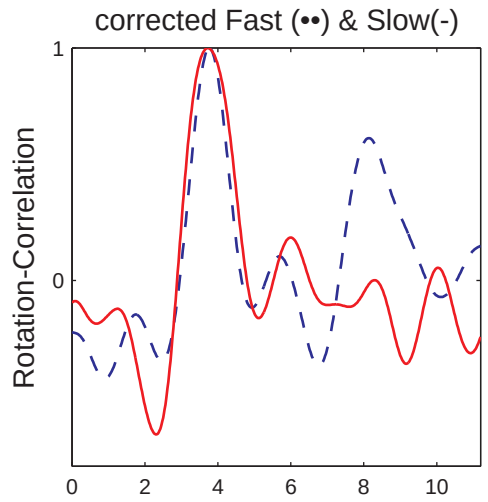
Event: **03-Sep-2008 (247) 11:25 -26.74N -63.23E 569km** Mw=**6.3**
Station: **PTK** Backazimuth: **255.4”** Distance: **115.74”**
init.Pol.: **89.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.4**

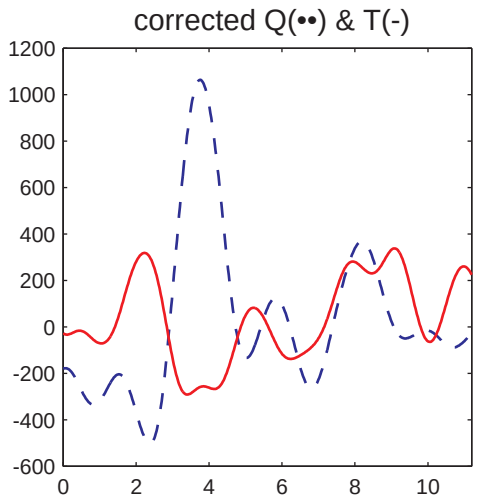
Rotation Correlation:	31<	41° <	52	0.8<1.0s<1.1
Minimum Energy:	19<	29° <	39	0.8<1.0s<1.3
Eigenvalue:	17<	39° <	62	0.7<1.0s<1.2

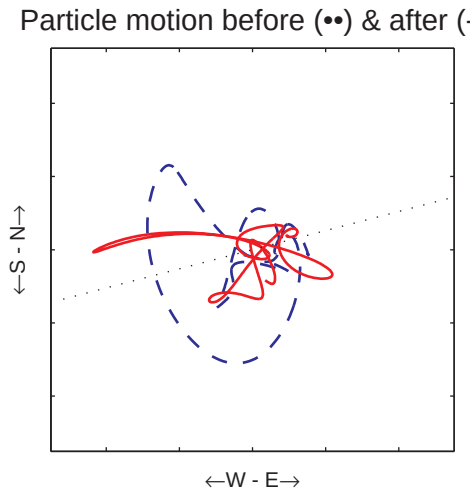
Quality: **fair** IsNull: **No** Phase: **SKKS**

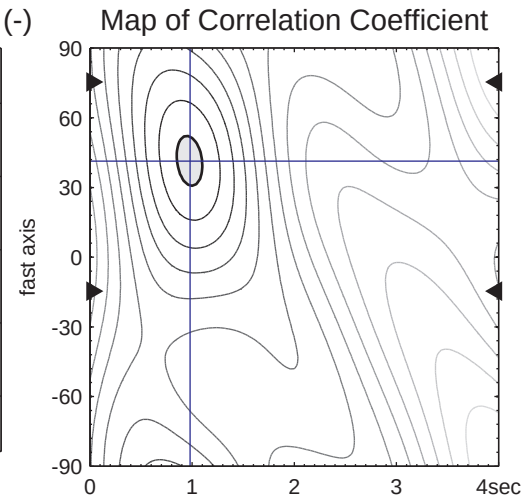


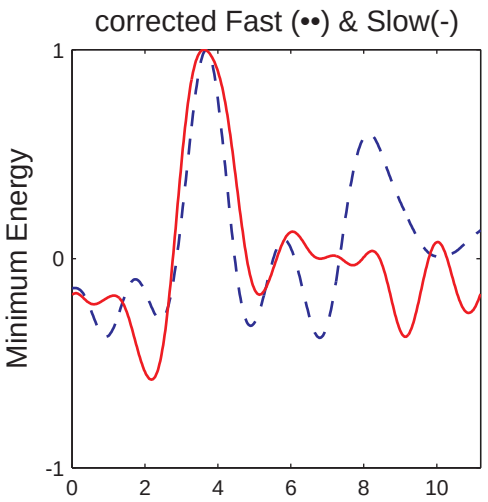
Inc = **11.6”**

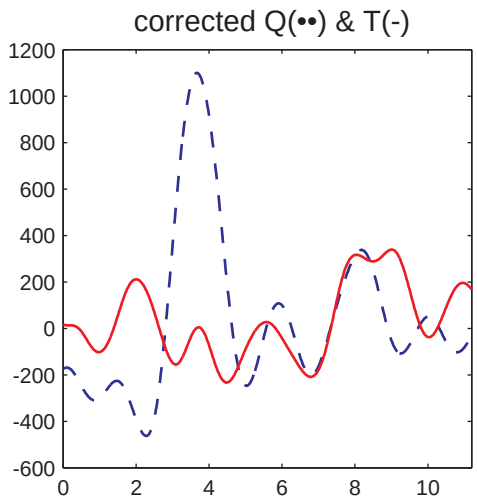


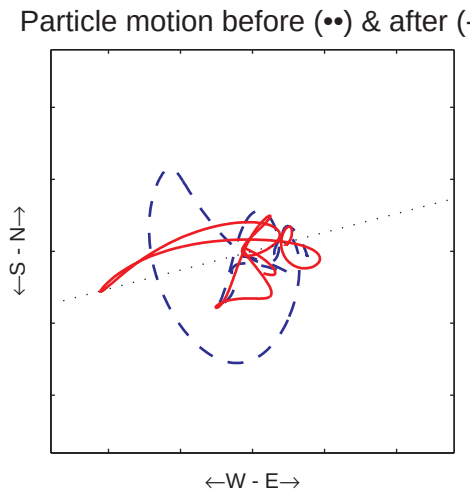


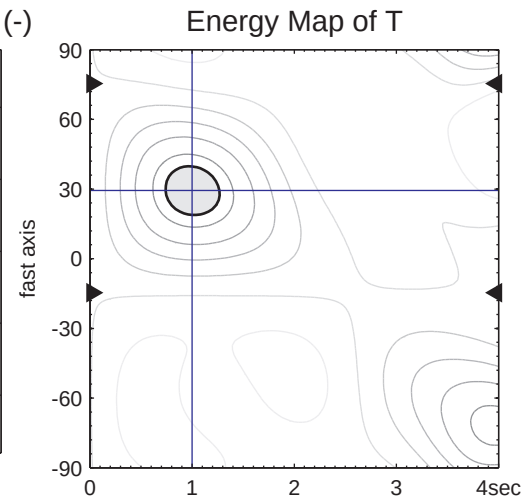


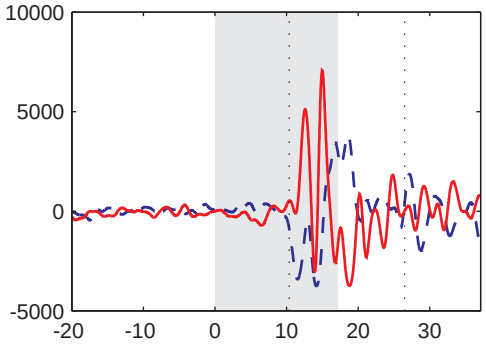








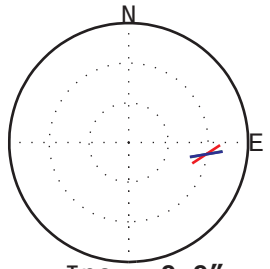




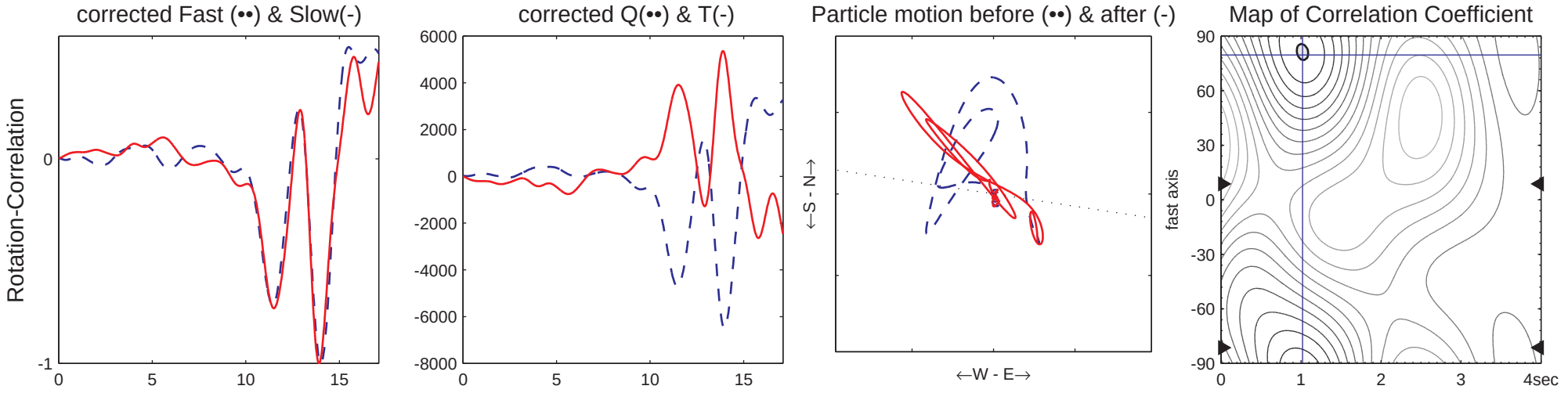
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **PTK** Backazimuth: **98.7”** Distance: **91.05”**
init.Pol.: **316.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.6**

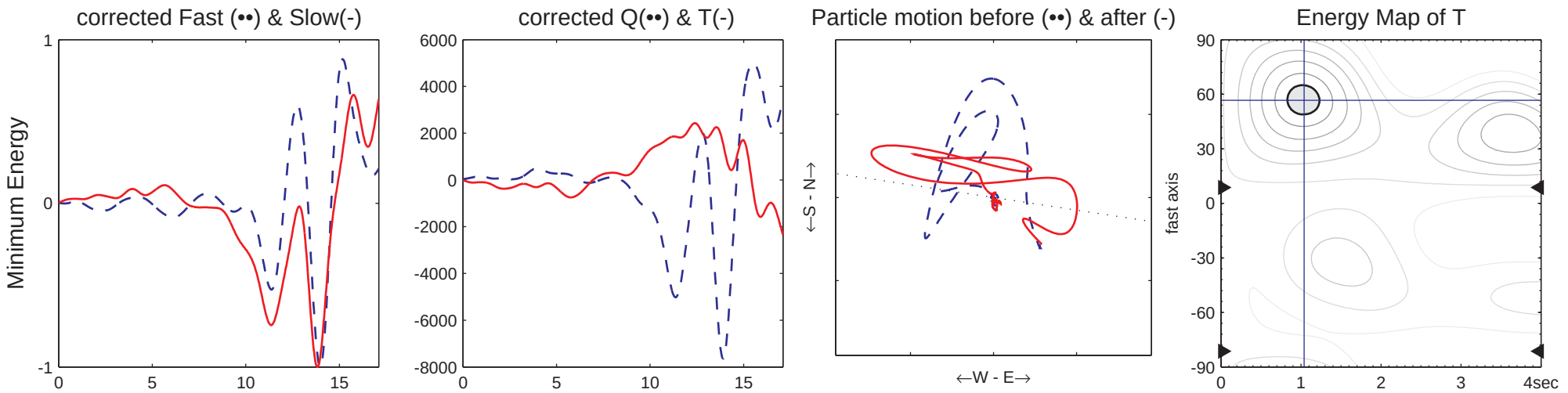
Rotation Correlation:	77<	80° <	86	1.0<1.0s<1.1
Minimum Energy:	50<	57° <	66	0.8<1.0s<1.2
Eigenvalue:	78<	81° <	86	1.0<1.0s<1.1

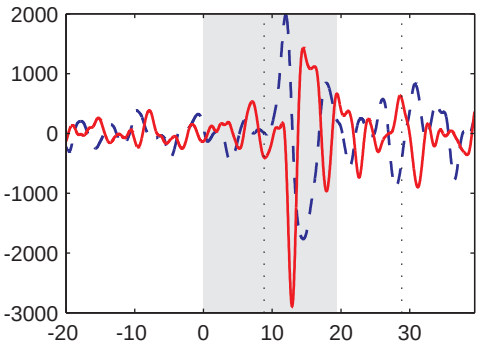
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **9.9”**



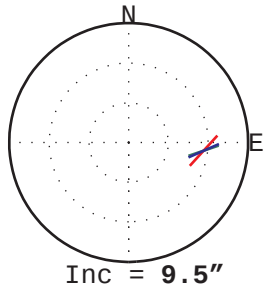


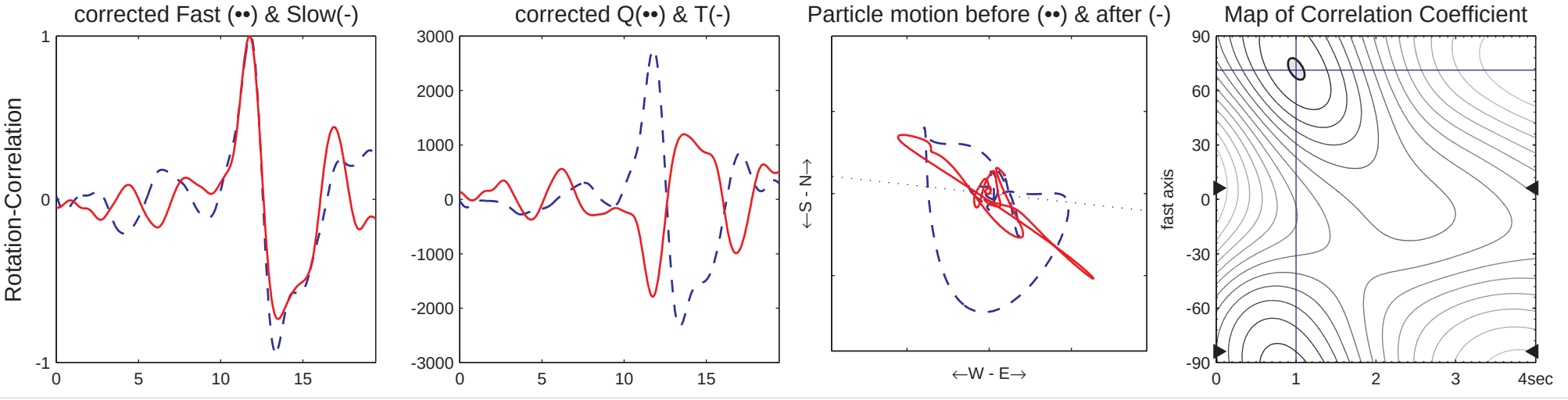


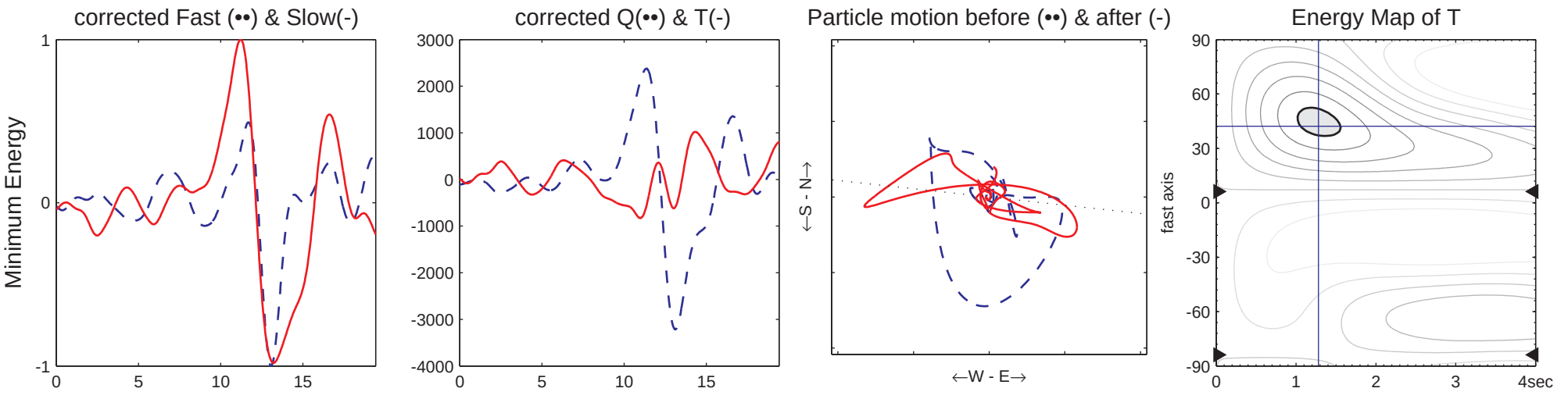
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **PTK** Backazimuth: **96.2”** Distance: **93.94”**
init.Pol.: **305.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

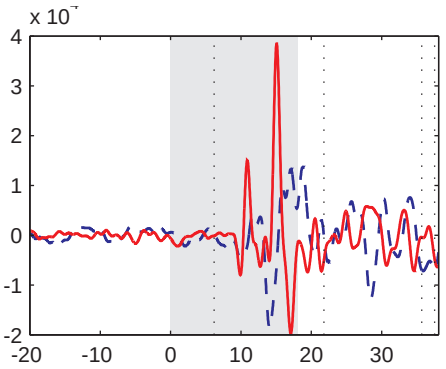
Rotation Correlation:	66<	71° <	78	0.9<1.0s<1.1
Minimum Energy:	37<	42° <	52	1.0<1.3s<1.6
Eigenvalue:	60<	66° <	78	0.8<1.0s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





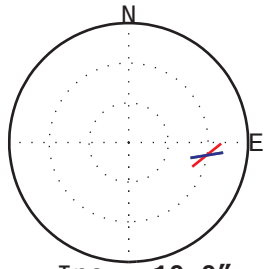


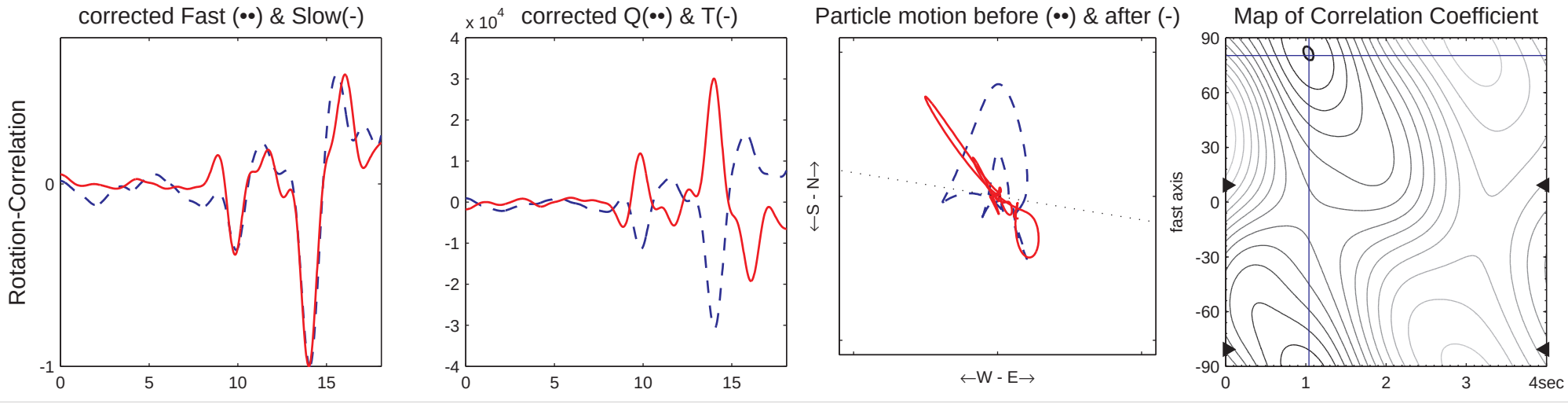


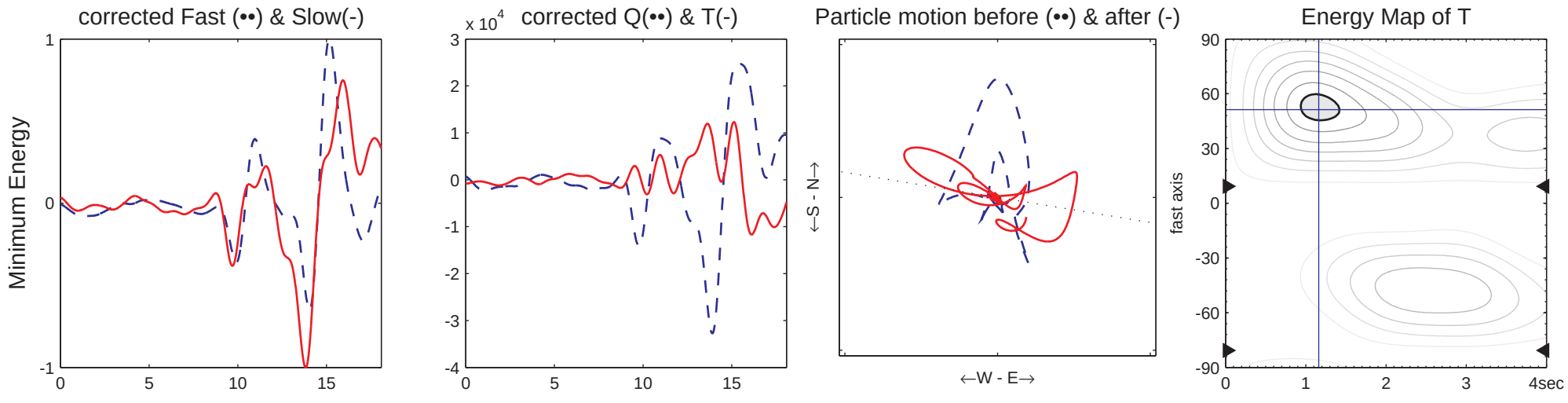
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **PTK** Backazimuth: **99.3”** Distance: **89.88”**
init.Pol.: **323.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.4**

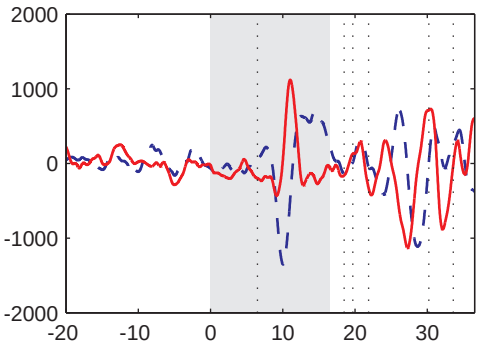
Rotation Correlation:	78<	80° <	85	1.0<1.0s<1.1
Minimum Energy:	46<	51° <	60	0.9<1.2s<1.4
Eigenvalue:	78<	81° <	86	1.0<1.0s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





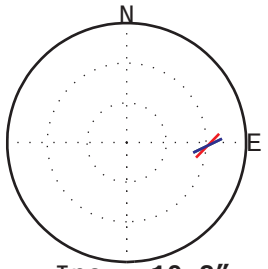




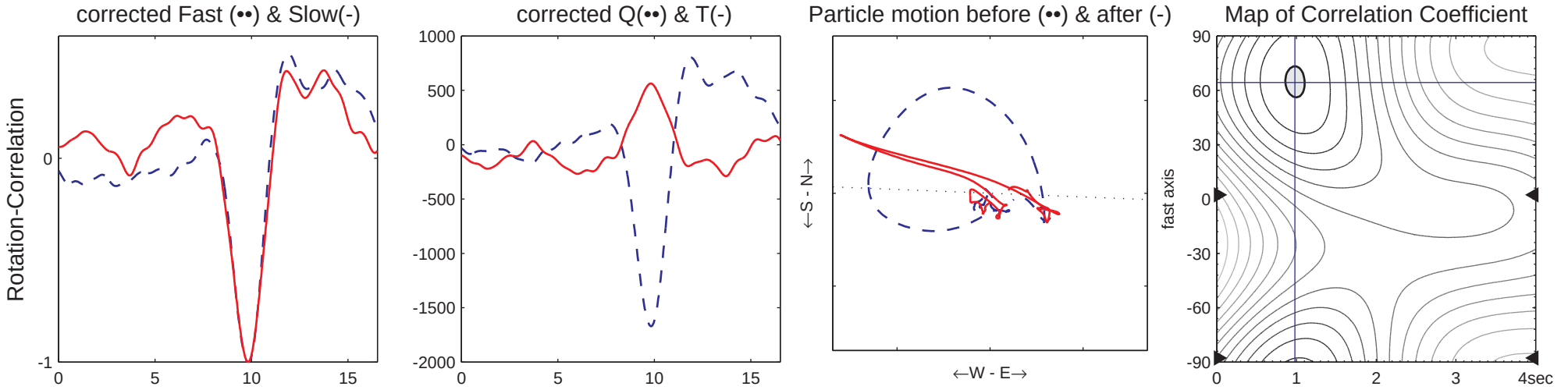
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **PTK** Backazimuth: **92.3”** Distance: **90.21”**
init.Pol.: **289.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.3**

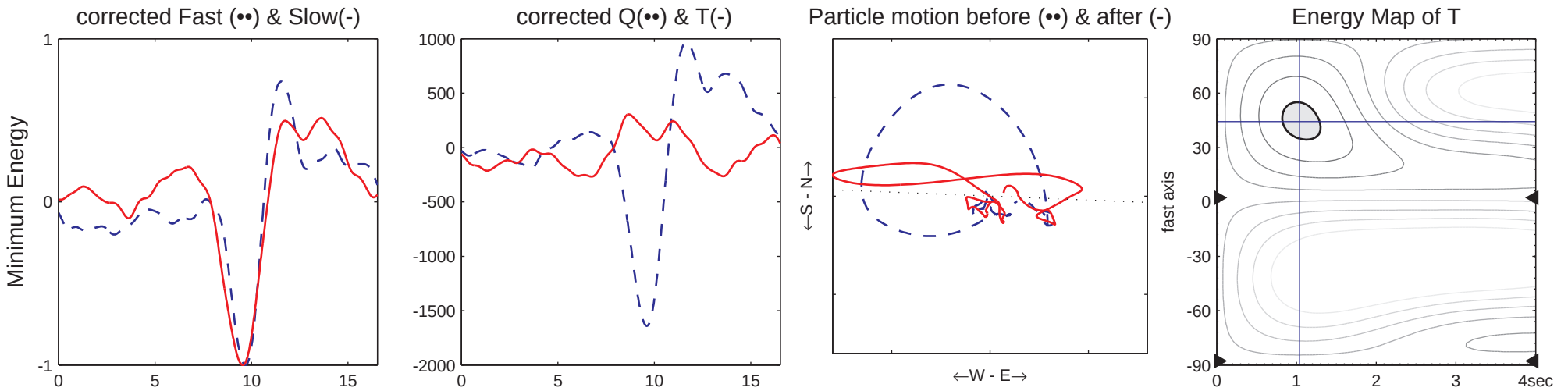
Rotation Correlation:	56<	64° <	73	0.9<1.0s<1.1
Minimum Energy:	35<	44° <	56	0.8<1.0s<1.3
Eigenvalue:	52<	64° <	78	0.8<1.0s<1.2

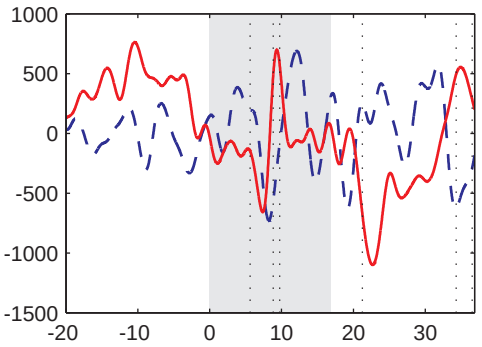
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.2”**



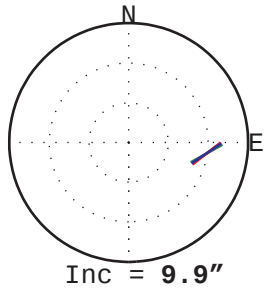


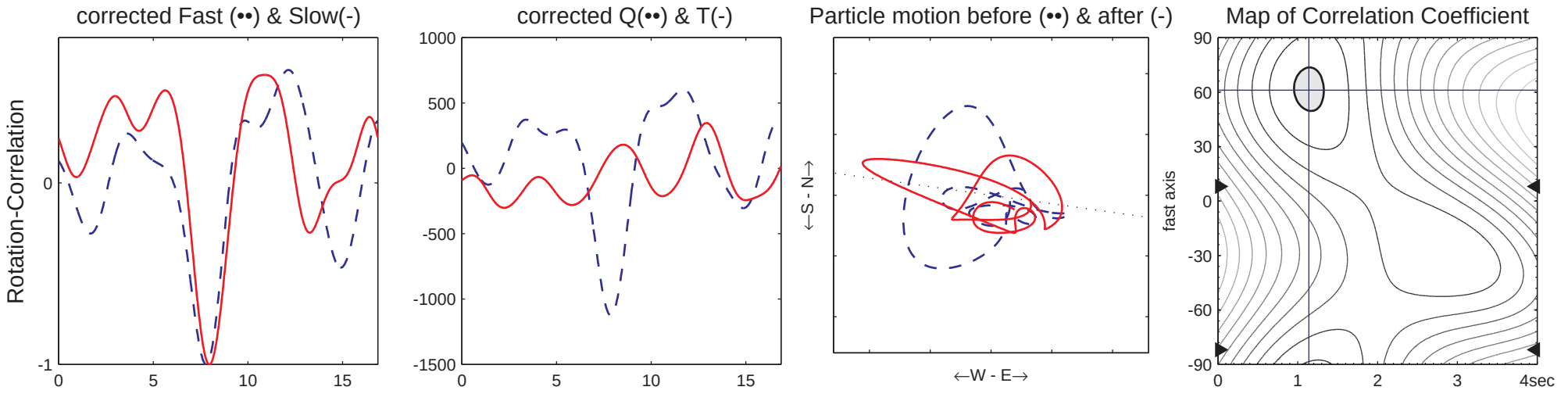


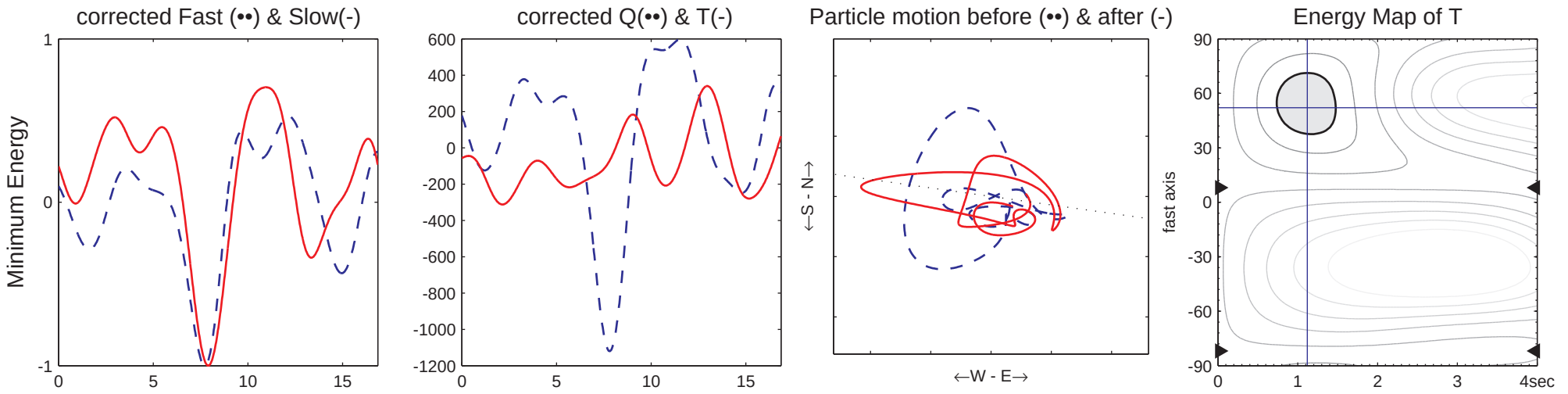
Event: **16-Oct-2010 (289) 15:44 -7.37N 125.70E 7km Mw=5.9**
Station: **PTK** Backazimuth: **98.0”** Distance: **91.76”**
init.Pol.: **281.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

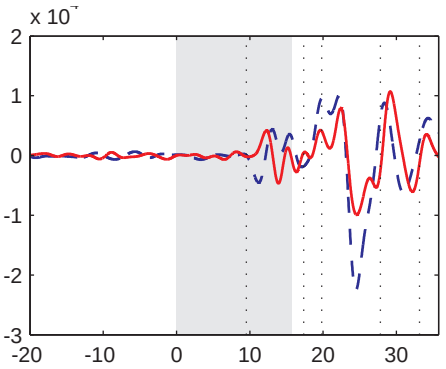
Rotation Correlation:	50<	61° <	74	1.0<1.1s<1.3
Minimum Energy:	37<	52° <	72	0.7<1.1s<1.5
Eigenvalue:	31<	56° <	86	0.8<1.1s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





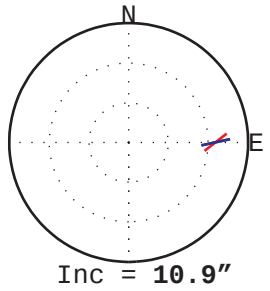


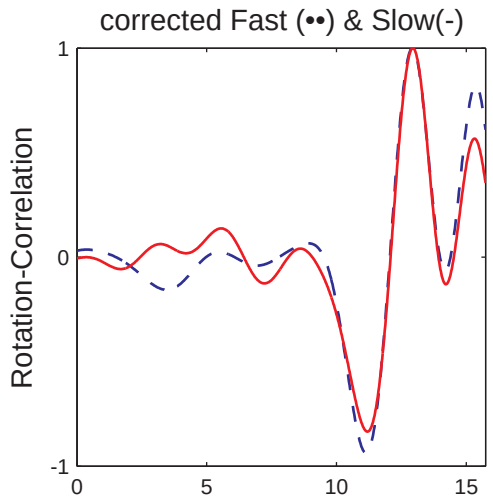


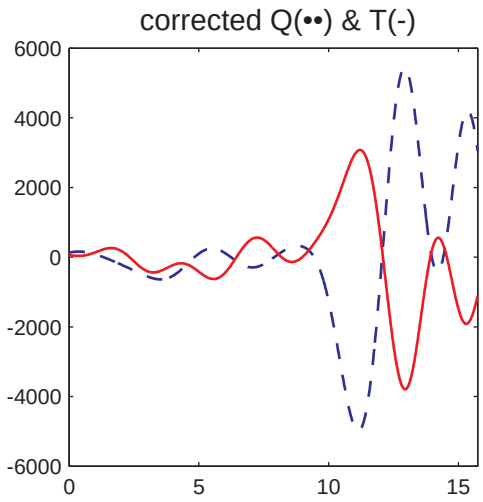
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **PTK** Backazimuth: **89.9”** Distance: **86.14”**
init.Pol.: **301.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.0**

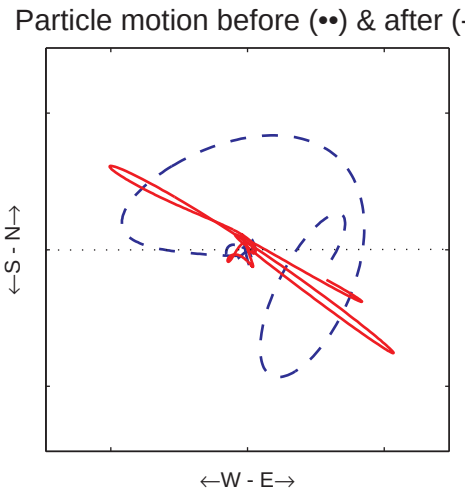
Rotation Correlation:	73<	78° <	85	0.8<0.9s<1.0
Minimum Energy:	41<	52° <	60	0.7<0.9s<1.0
Eigenvalue:	72<	78° <	82	0.9<0.9s<1.0

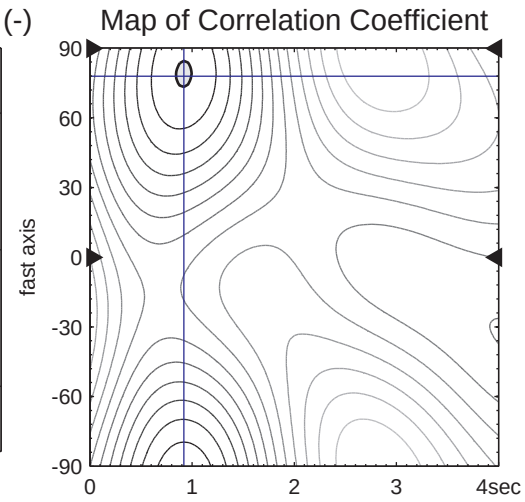
Quality: **fair** IsNull: **No** Phase: **SKS**

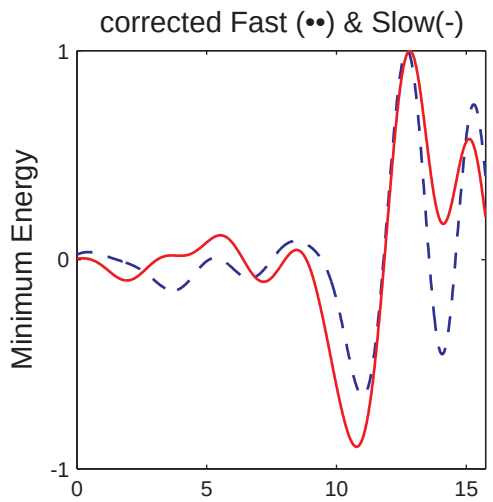


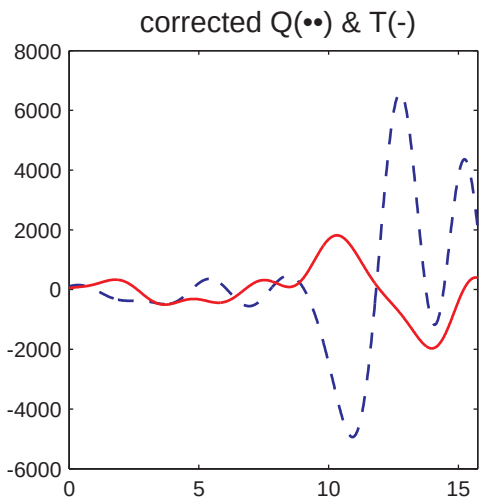


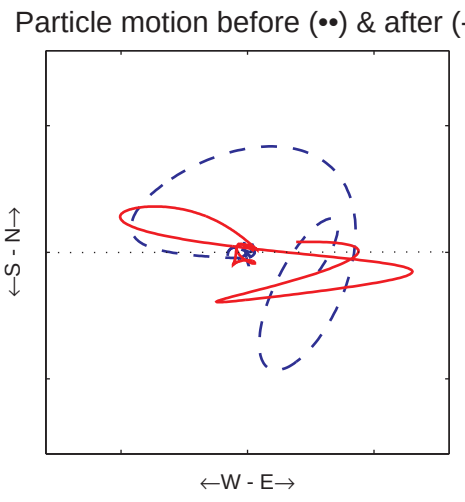


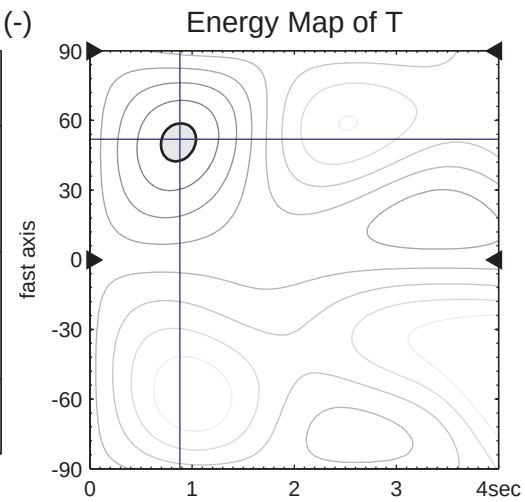


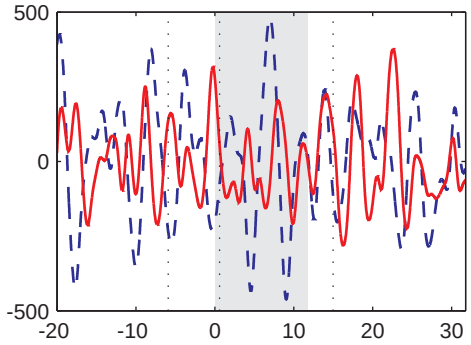








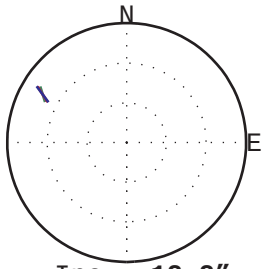




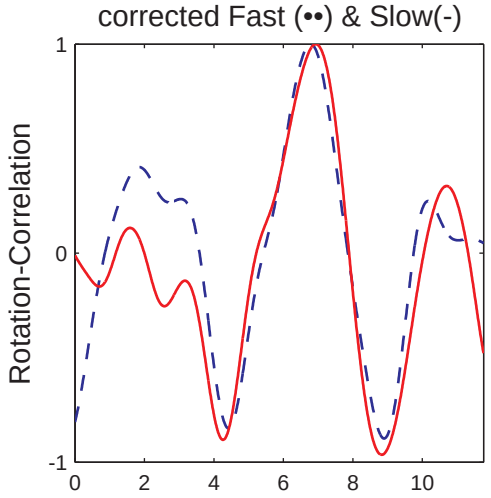
Event: **07-Nov-2011 (311) 22:35 11.56N -85.86E 177km Mw=6.0**
Station: **SAIM** Backazimuth: **299.8”** Distance: **106.58”**
init.Pol.: **118.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.6**

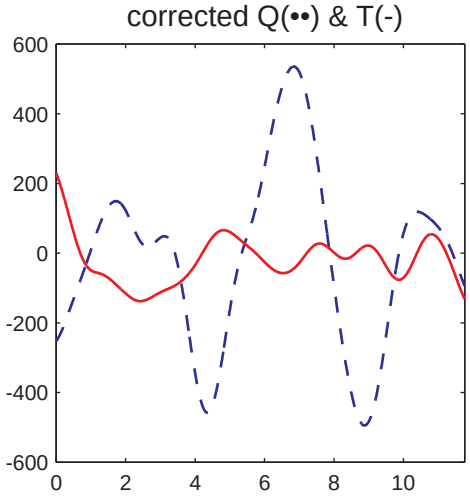
Rotation Correlation:	-35<	-17° <	-1	0.3<0.5s<0.7
Minimum Energy:	-50<	-32° <	-13	0.3<0.6s<0.9
Eigenvalue:	-60<	-36° <	-7	0.4<0.6s<1.1

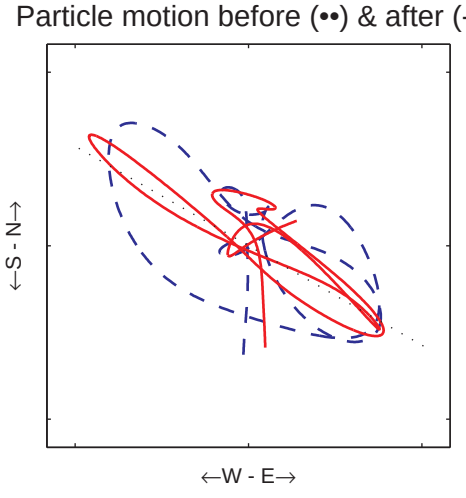
Quality: **fair** IsNull: **No** Phase: **SKKS**

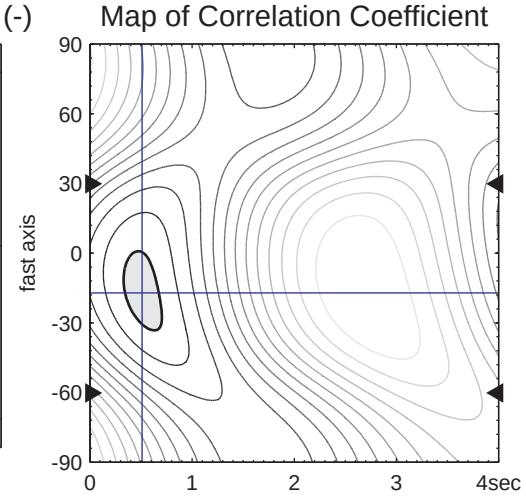


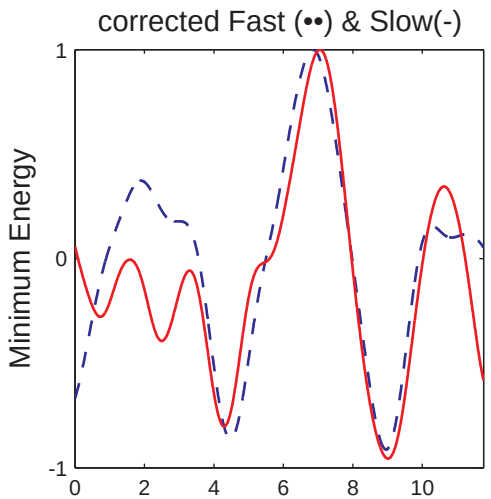
Inc = **12.2”**

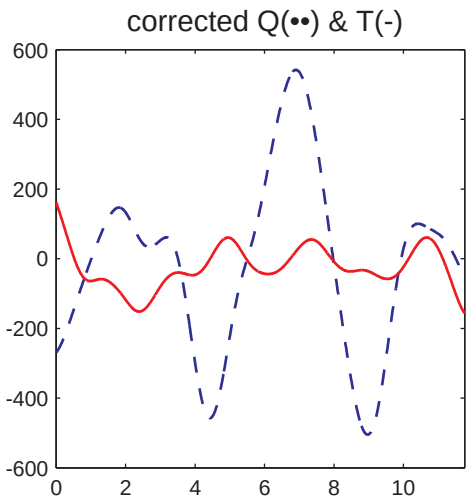


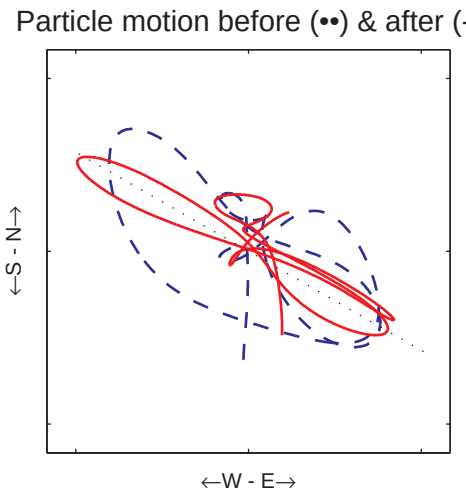


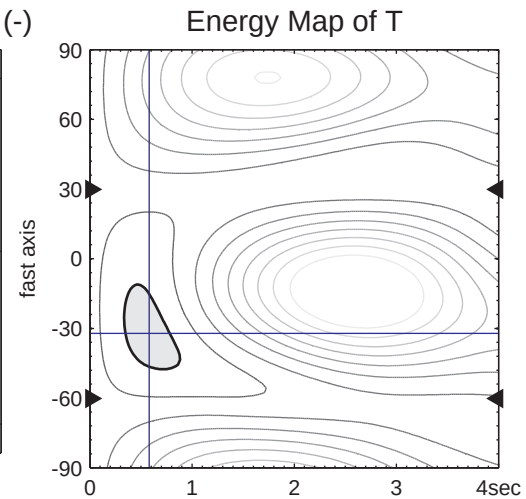


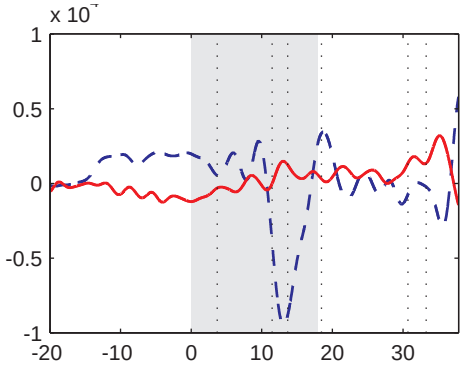








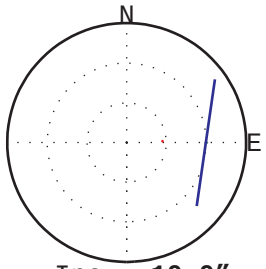




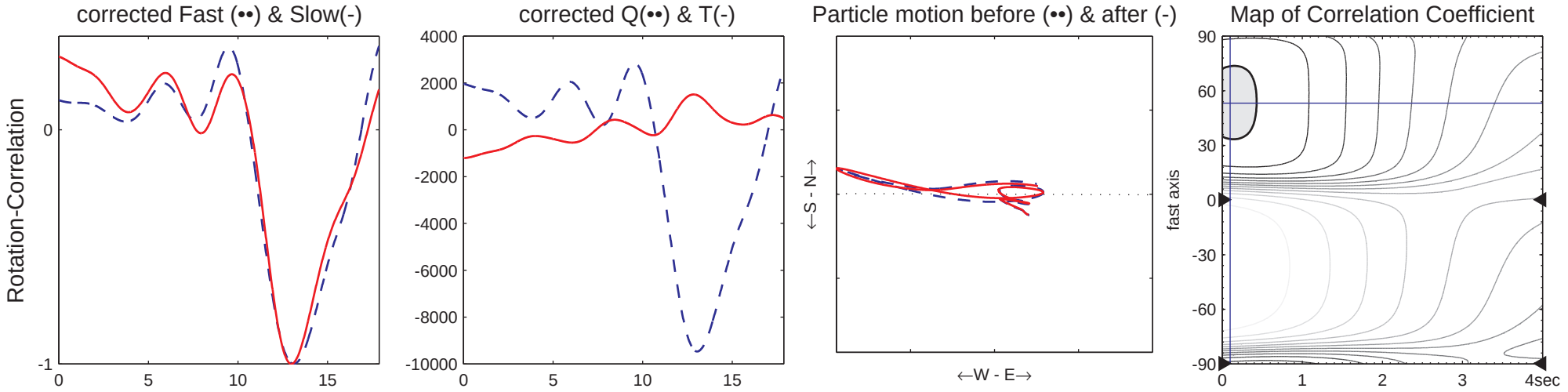
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **SAIM** Backazimuth: **90.2”** Distance: **91.24”**
init.Pol.: **281.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.0**

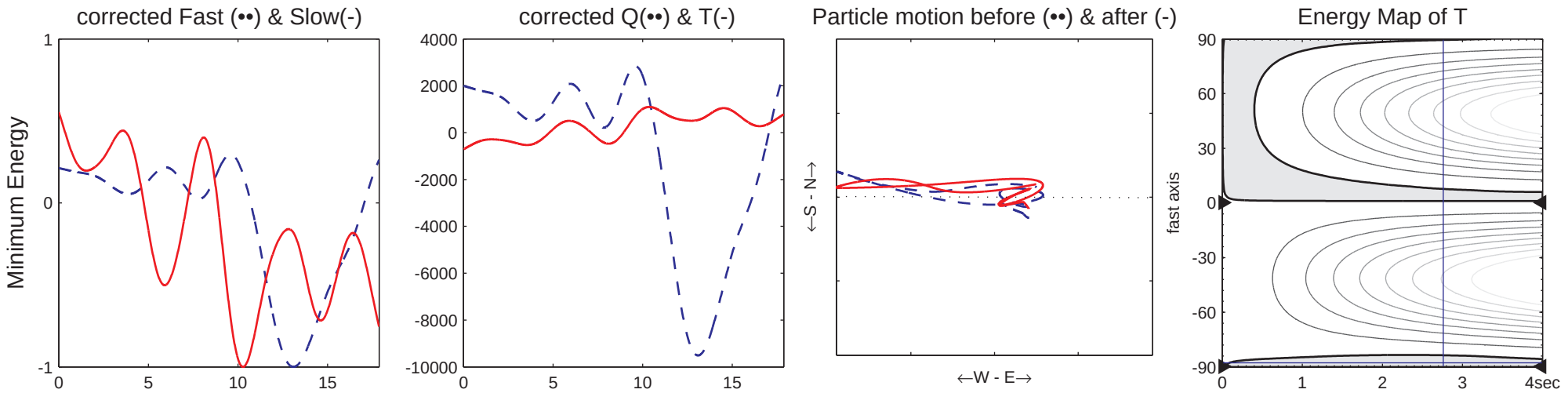
Rotation Correlation:	34<	53° < 74	0.0<0.1s<0.4
Minimum Energy:	1<	-88° < -86	0.0<2.8s<4.0
Eigenvalue:	-Inf<	8° < Inf	0.0<4.0s<Inf

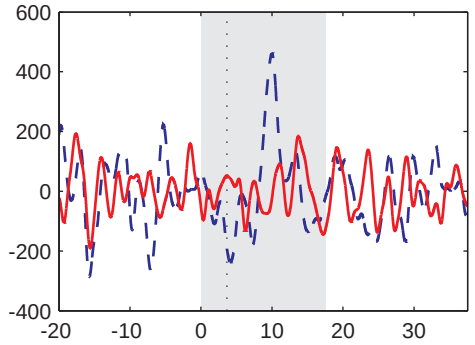
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.0”**



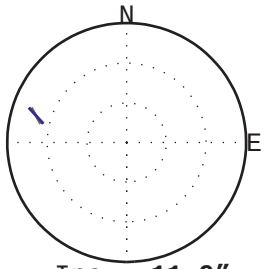




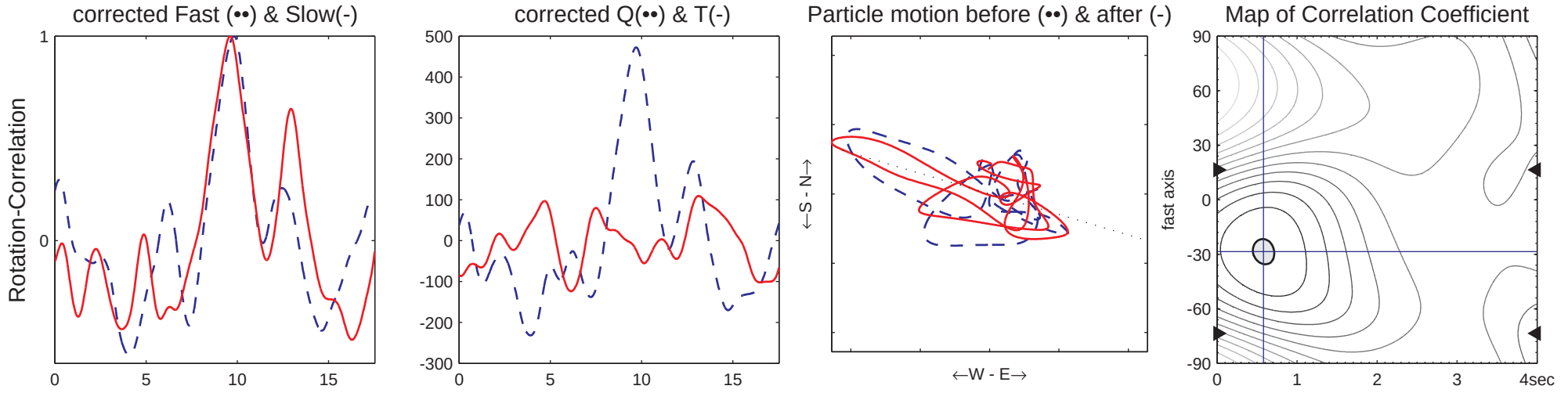
Event: **17-Nov-2011 (321) 01:57 -1.70N -81.55E 26km Mw=6.0**
Station: **SAIM** Backazimuth: **286.5”** Distance: **112.56”**
init.Pol.: **105.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

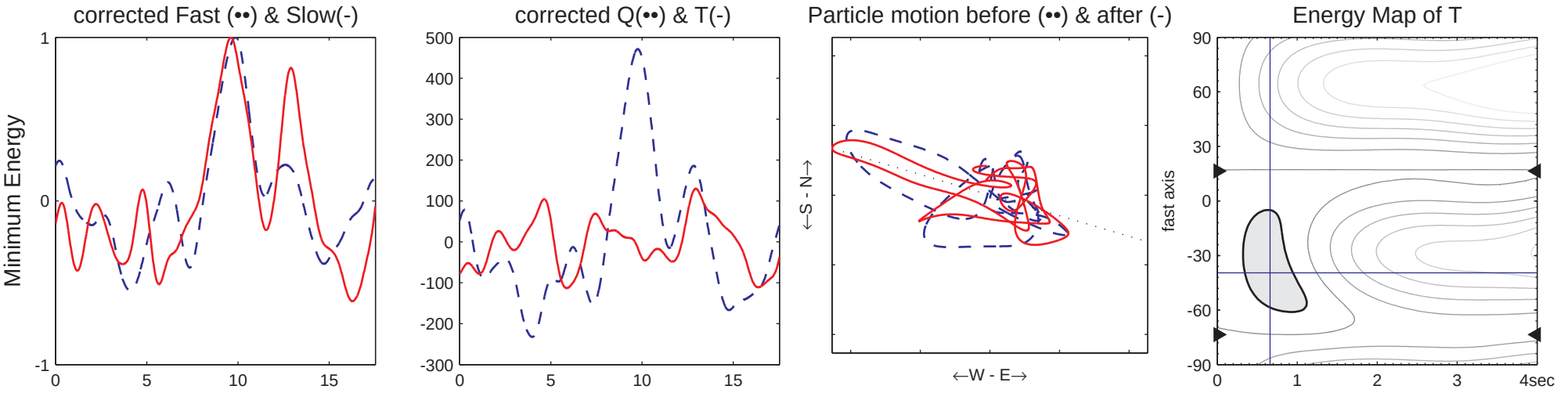
Rotation Correlation:	-37< -29° < -23	0.4<0.6s<0.7
Minimum Energy:	-64< -40° < -7	0.3<0.7s<1.1
Eigenvalue:	-70< -44° < -1	0.3<0.7s<1.2

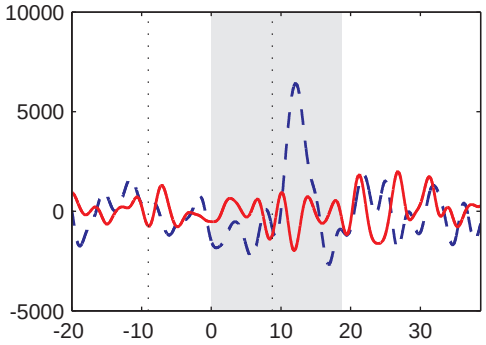
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.9”**



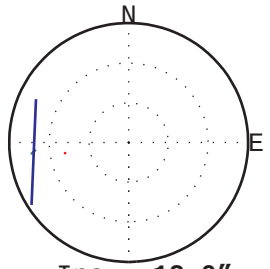




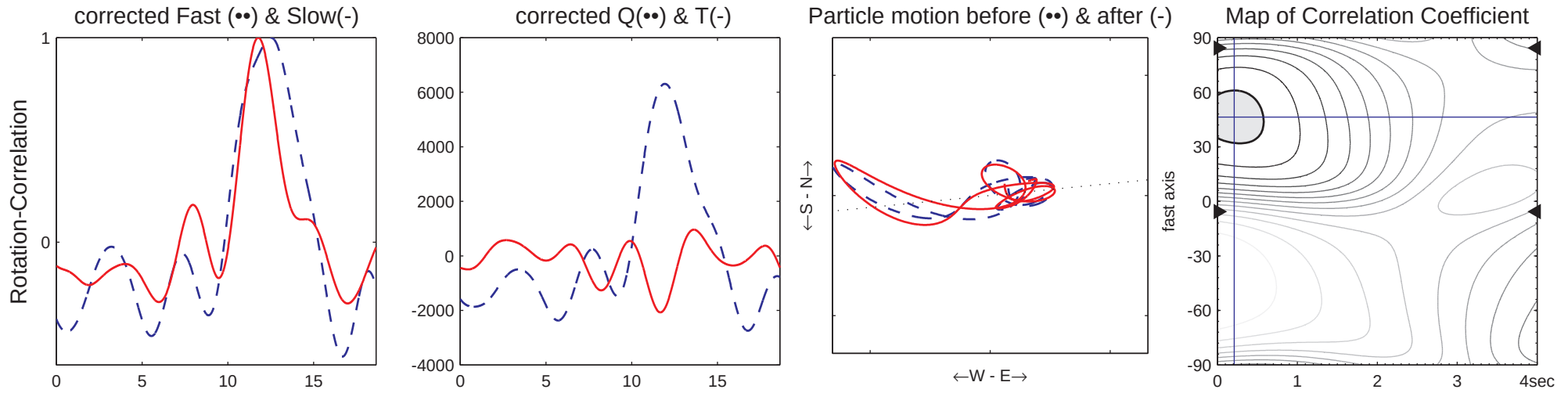
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **SAIM** Backazimuth: **264.3”** Distance: **108.08”**
init.Pol.: **98.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

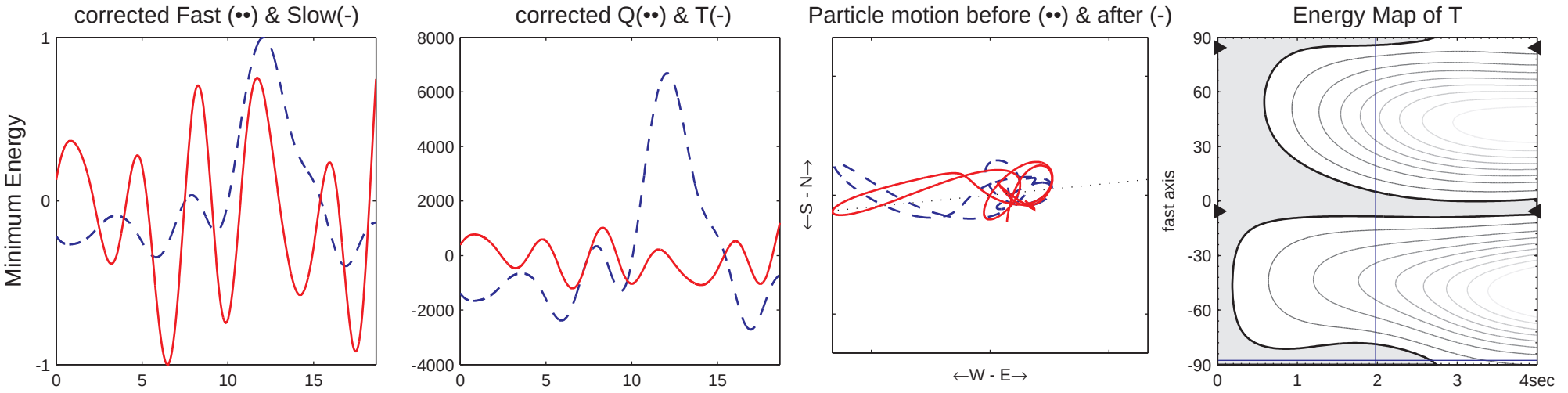
Rotation Correlation:	32<	46° <	61	0.0<0.2s<0.6
Minimum Energy:	-Inf<	-88° <	Inf	0.0<2.0s<Inf
Eigenvalue:	-Inf<	2° <	Inf	0.0<3.3s<Inf

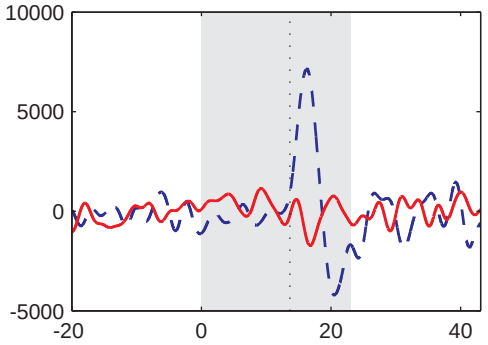
Quality: **fair** IsNull: **Yes** Phase: **SKKS**



Inc = **12.0”**



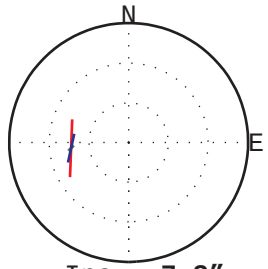




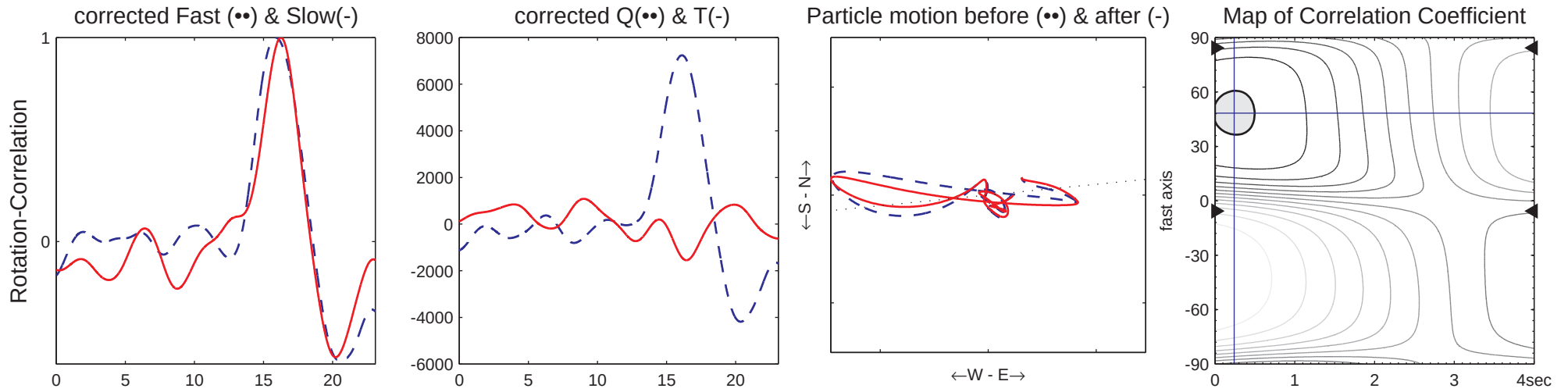
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **SAIM** Backazimuth: **264.3”** Distance: **108.08”**
init.Pol.: **91.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

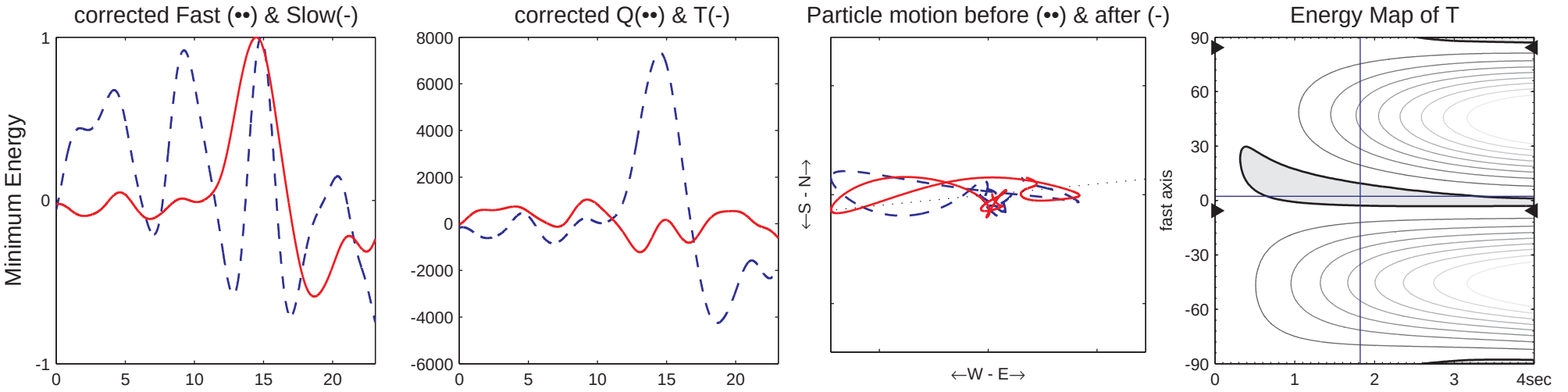
Rotation Correlation:	37<	48° <	61	0.0<0.2s<0.5
Minimum Energy:	-3<	2° <	29	0.3<1.8s<4.0
Eigenvalue:	3<	12° <	86	0.0<0.9s<2.7

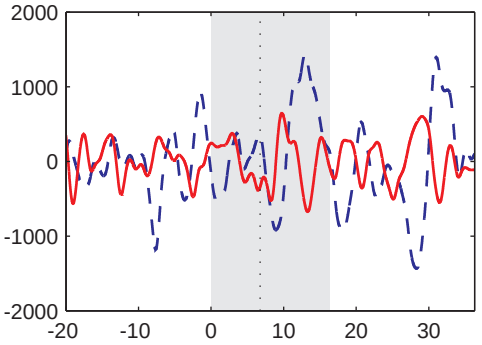
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.3”**



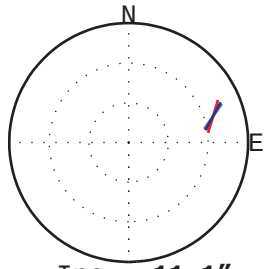




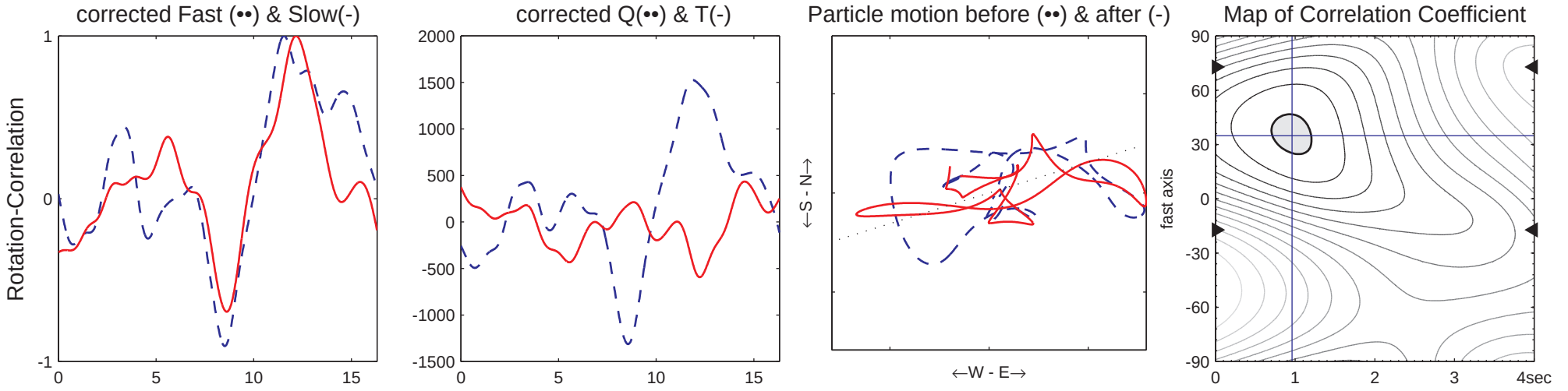
Event: **09-Jan-2012 (009) 04:07 -10.62N 165.16E 28km Mw=6.4**
Station: **SAIM** Backazimuth: **72.8”** Distance: **127.00”**
init.Pol.: **261.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.7**

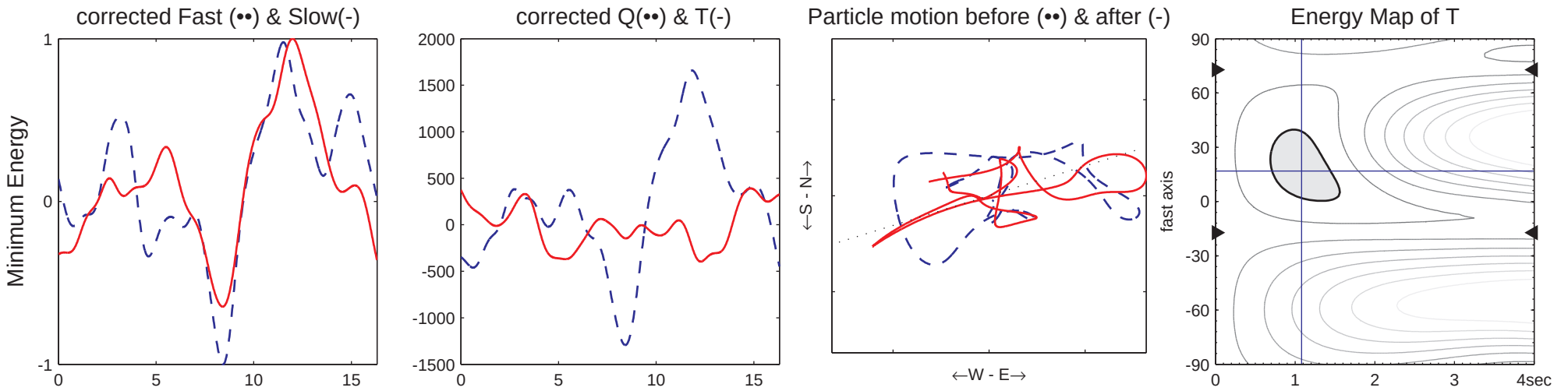
Rotation Correlation:	25<	35° <	47	0.7<1.0s<1.2
Minimum Energy:	1<	17° <	39	0.7<1.1s<1.6
Eigenvalue:	7<	29° <	62	0.6<1.0s<1.4

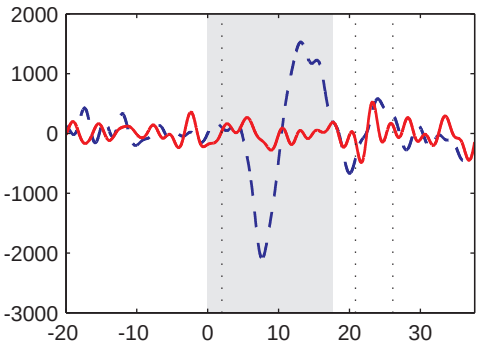
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.1”**



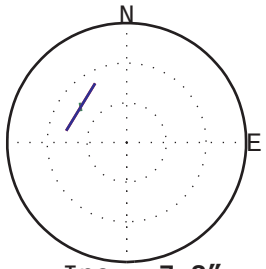




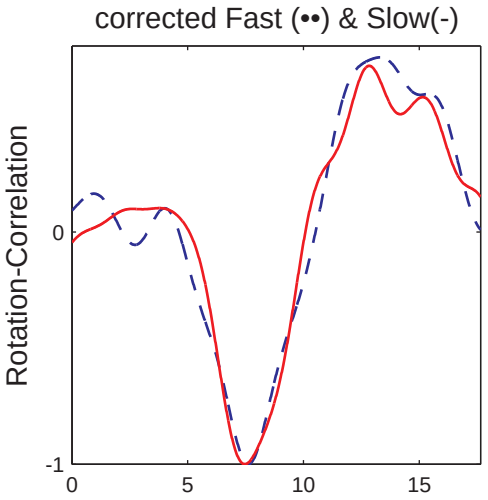
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **SAIM** Backazimuth: **307.6”** Distance: **108.81”**
init.Pol.: **128.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.3**

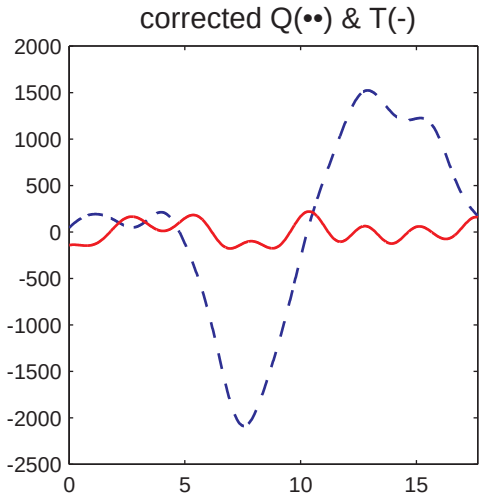
Rotation Correlation:	-18<	-8° <	2	0.1<0.3s<0.4
Minimum Energy:	25<	32° <	33	0.9<1.7s<2.8
Eigenvalue:	25<	32° <	37	0.9<1.7s<3.9

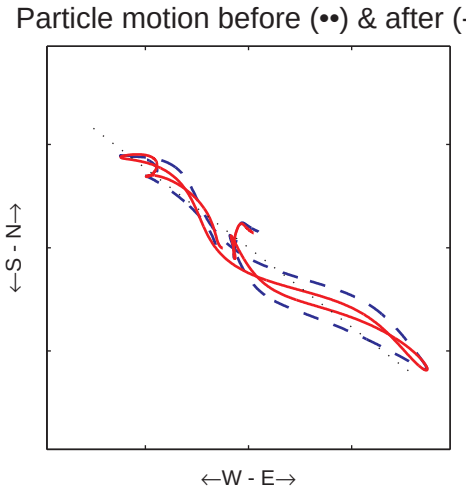
Quality: **good** IsNull: **Yes** Phase: **SKS**

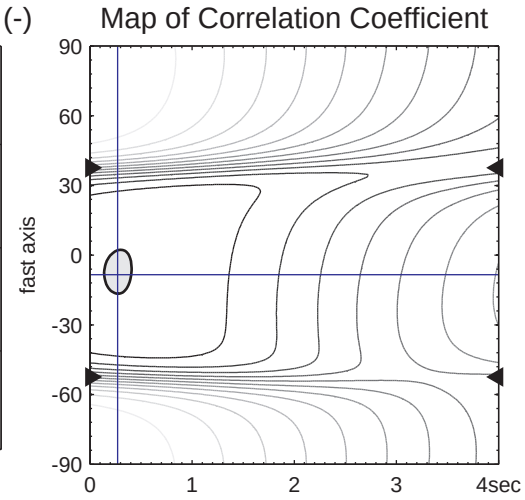


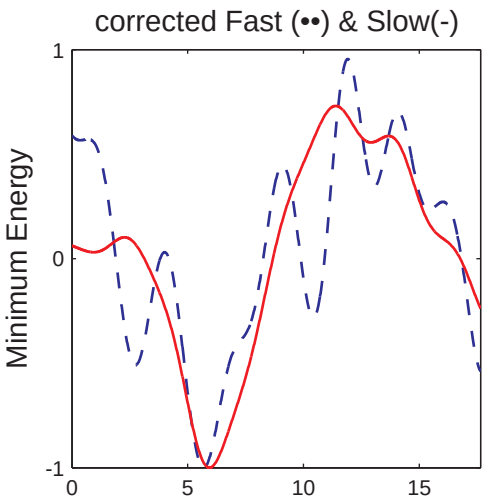
Inc = **7.3”**

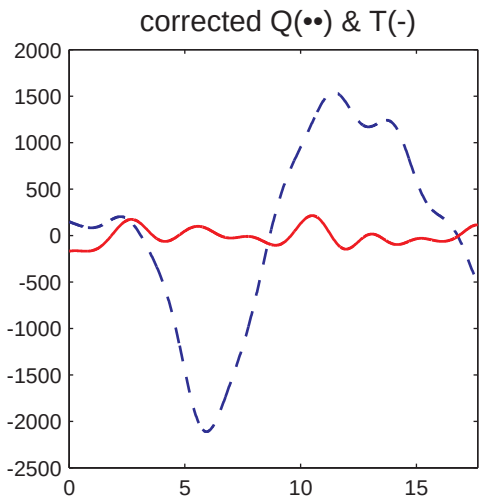


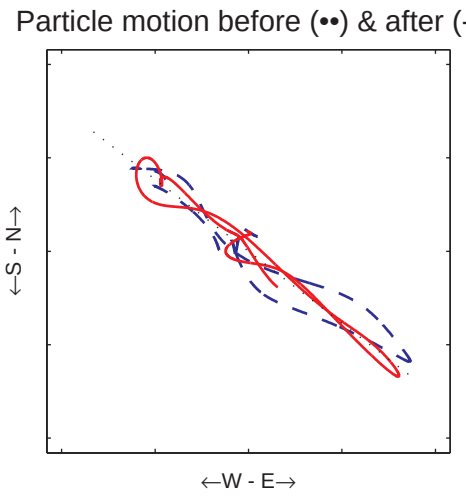


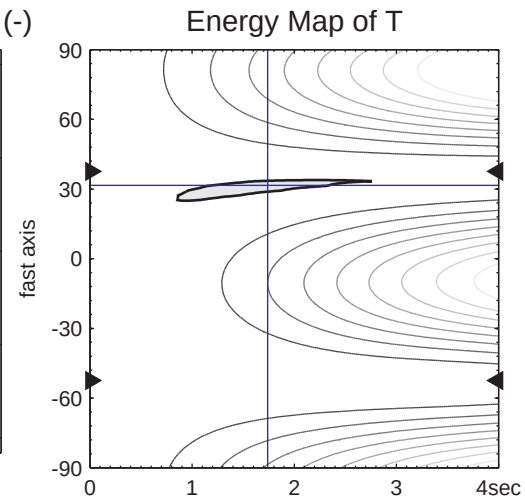


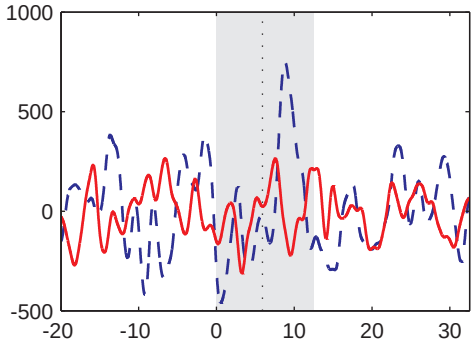








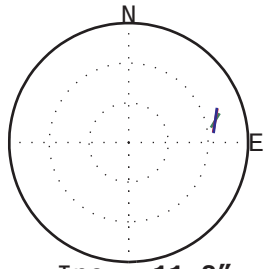




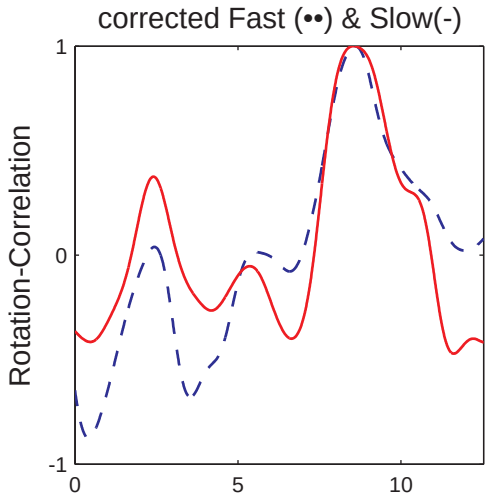
Event: **14-Feb-2012 (045) 08:19 -10.39N 161.10E 51km** Mw=**6.4**
Station: **SAIM** Backazimuth: **75.7”** Distance: **123.77”**
init.Pol.: **253.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.8**

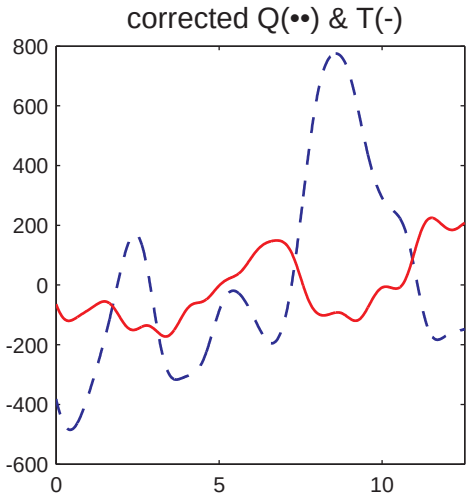
Rotation Correlation:	16<	32° <	50	0.2<0.5s<0.8
Minimum Energy:	-9<	10° <	50	0.2<0.8s<1.7
Eigenvalue:	-15<	8° <	62	0.2<0.8s<1.8

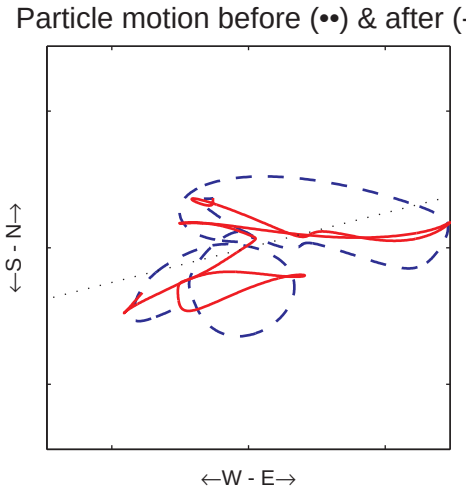
Quality: **fair** IsNull: **No** Phase: **SKKS**

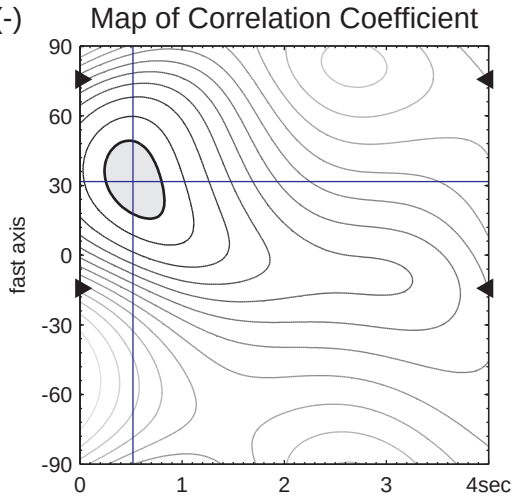


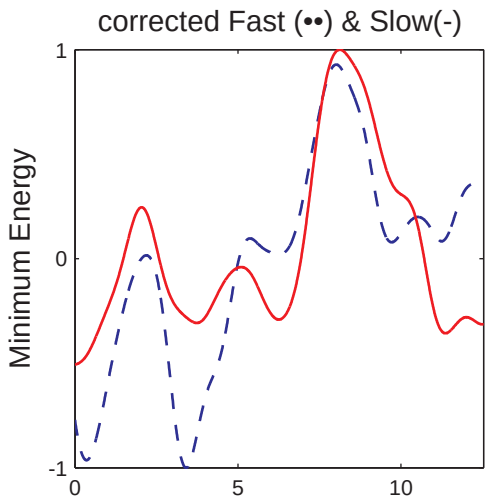
Inc = **11.2”**

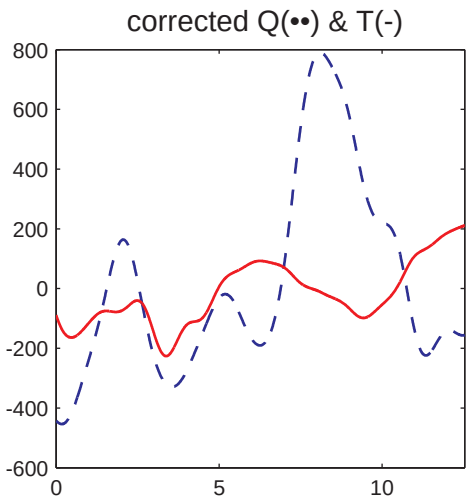


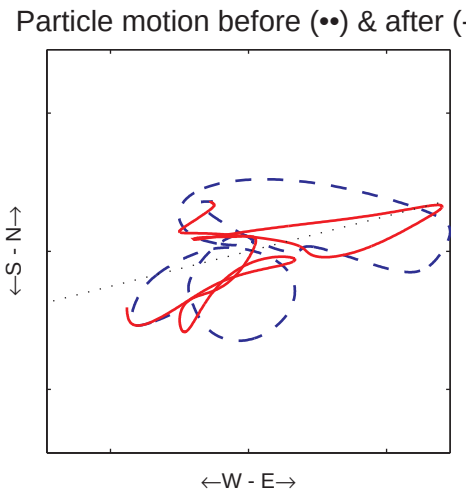


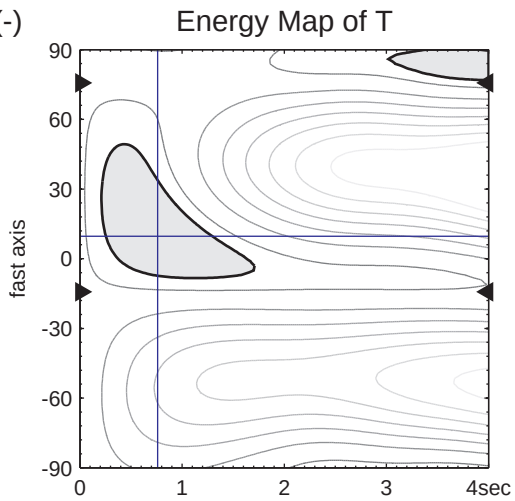


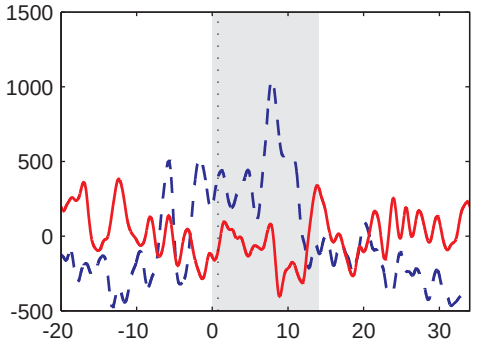








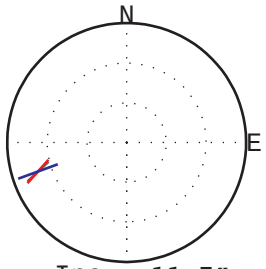




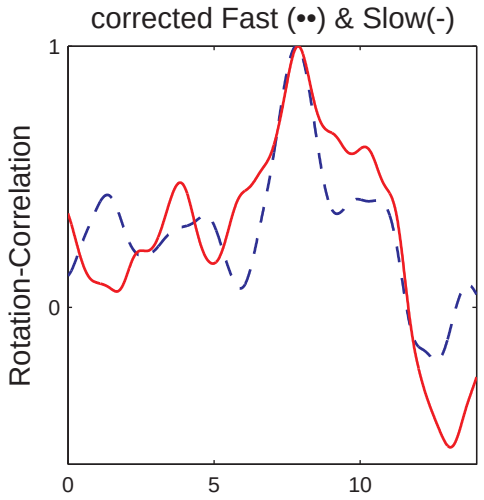
Event: **05-Mar-2012 (065) 07:46 -28.25N -63.29E 553km** Mw=6.1
Station: **SAIM** Backazimuth: **251.9”** Distance: **113.85”**
init.Pol.: **100.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.1**

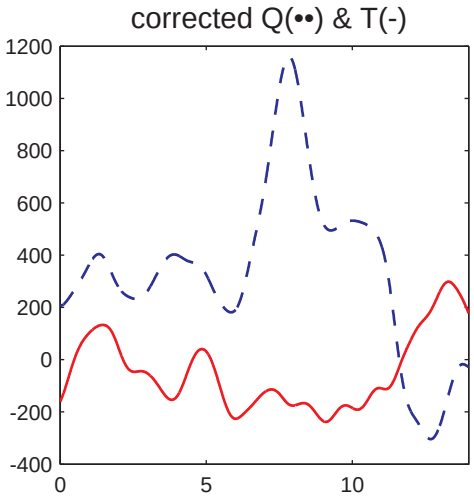
Rotation Correlation:	38<	47° <	57	0.6<0.9s<1.1
Minimum Energy:	-1<	42° <	62	0.3<1.0s<1.6
Eigenvalue:	60<	70° <	78	1.1<1.3s<1.5

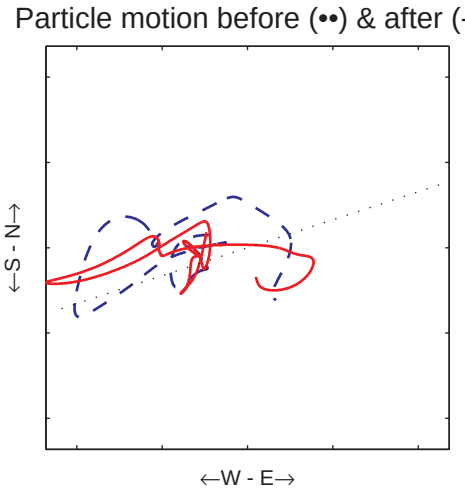
Quality: **fair** IsNull: **No** Phase: **SKKS**

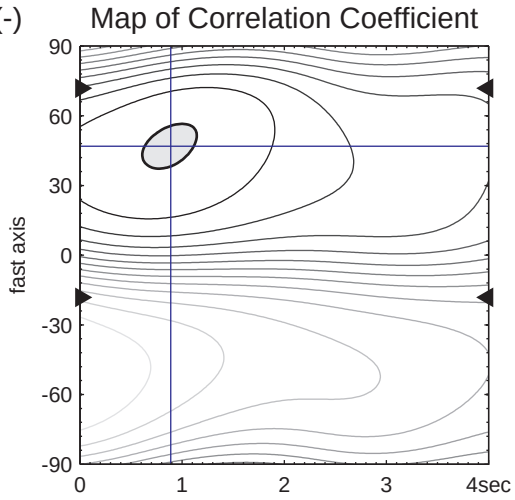


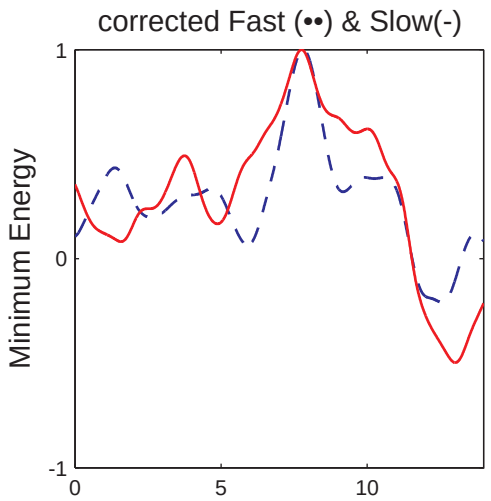
Inc = **11.7”**

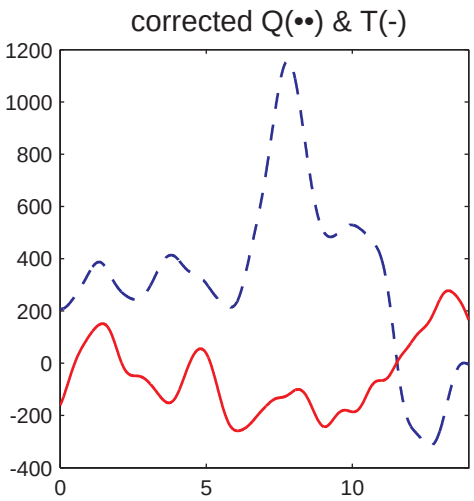


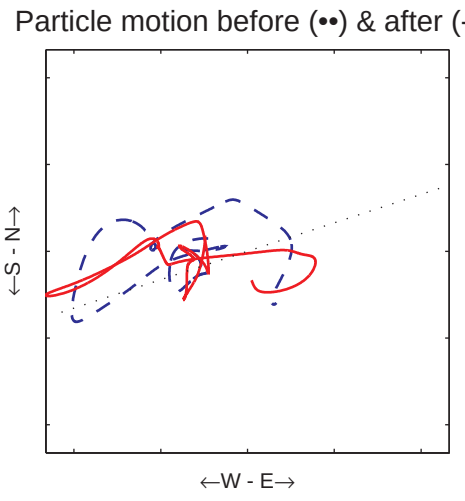


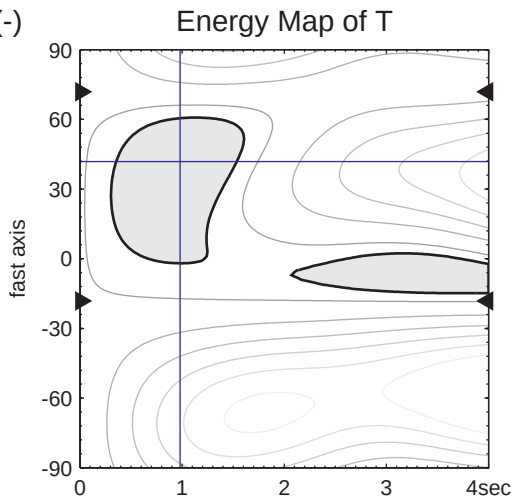


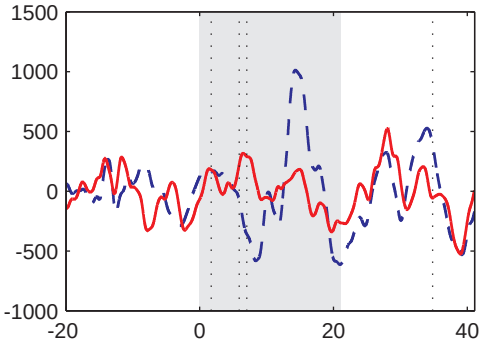








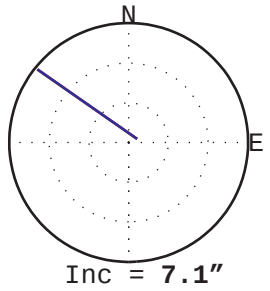


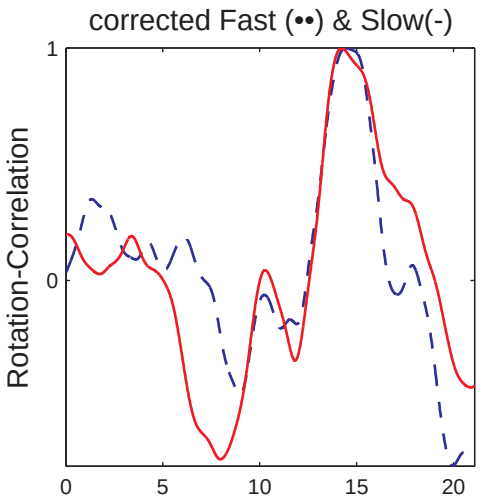


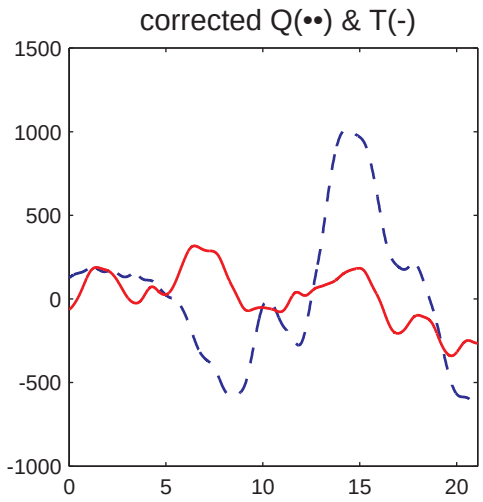
Event: **02-Apr-2012 (093) 17:36 16.40N -98.32E 9km Mw=6.0**
Station: **SAIM** Backazimuth: **312.8”** Distance: **110.82”**
init.Pol.: **133.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

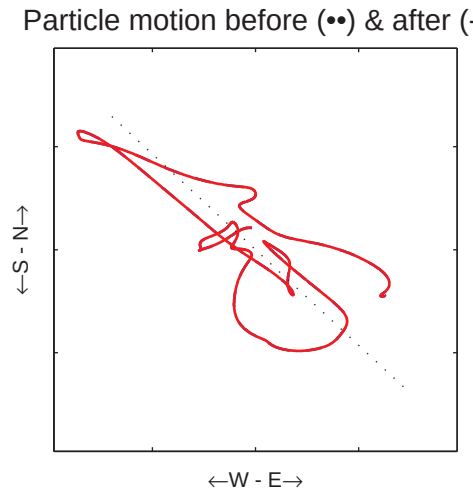
Rotation Correlation:	74<	81° <	89	0.0<0.0s<0.2
Minimum Energy:	-64<	-55° <	-52	2.2<3.8s<4.0
Eigenvalue:	-Inf<	-55° <	Inf	0.0<3.8s<Inf

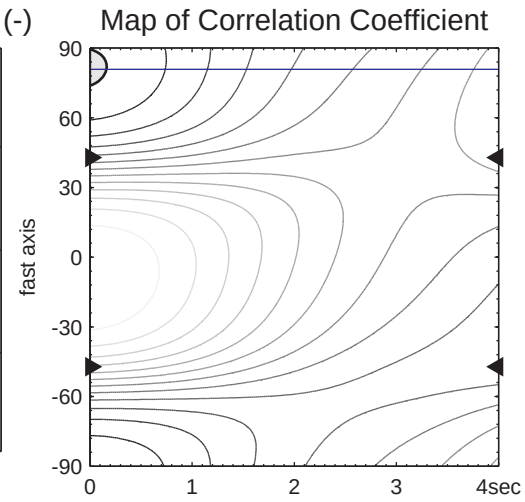
Quality: **good** IsNull: **Yes** Phase: **SKS**

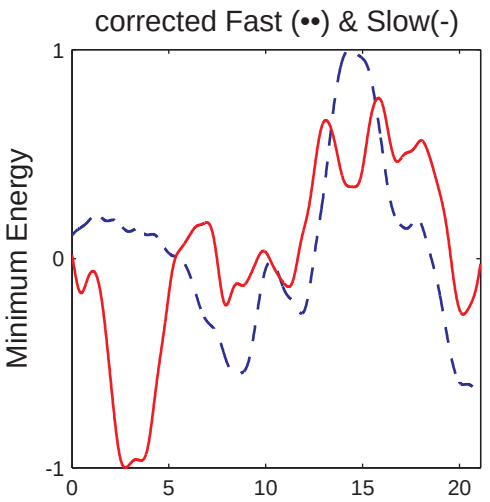


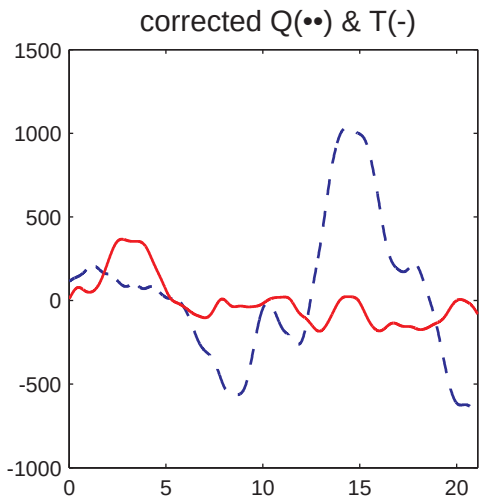


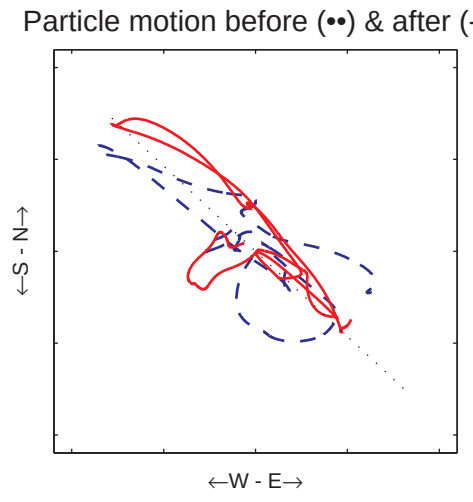


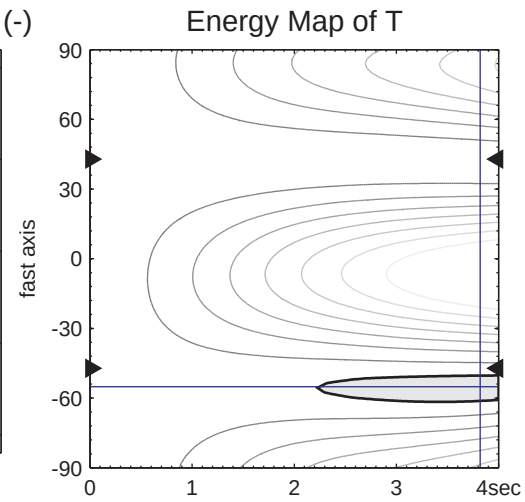


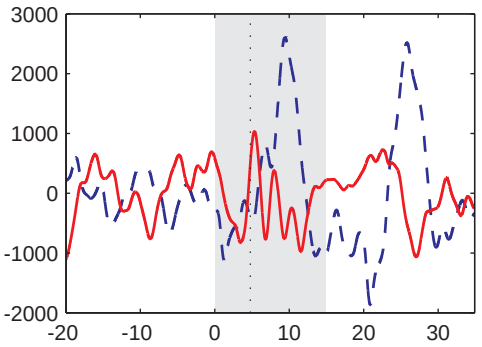








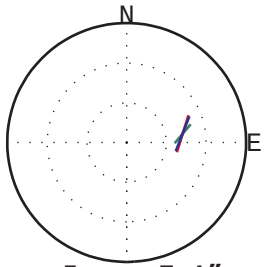


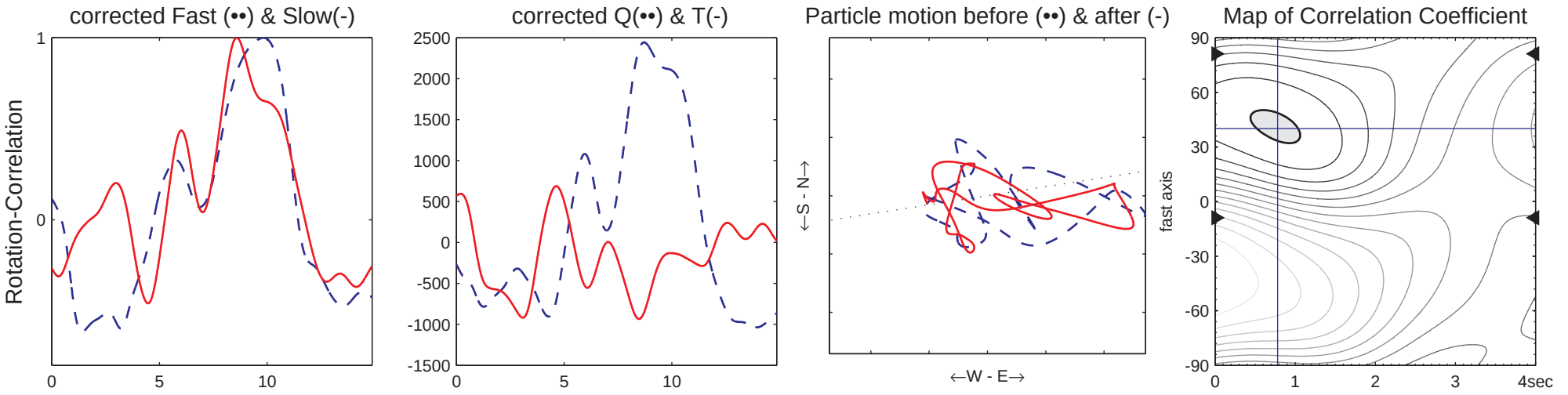


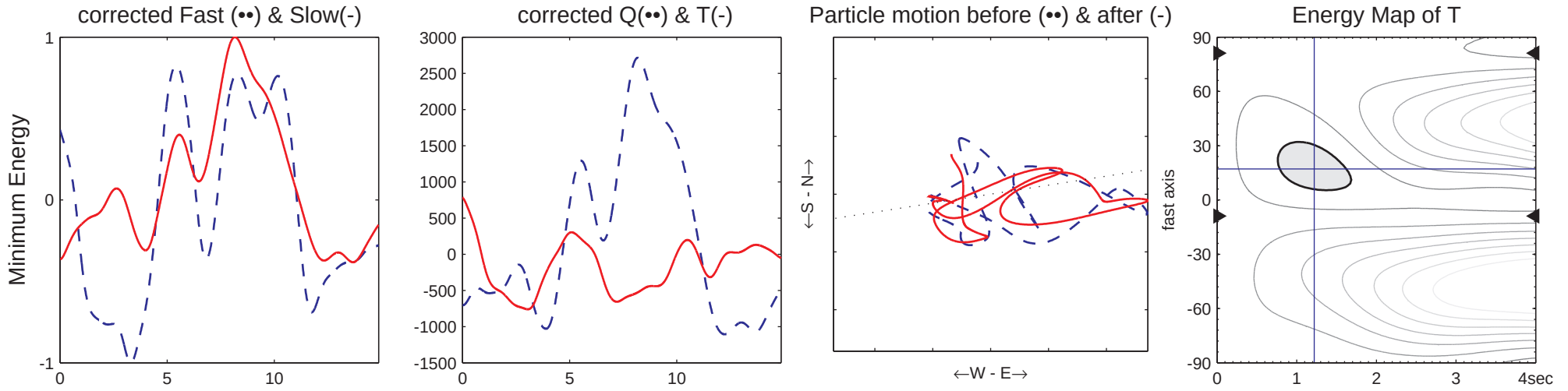
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **SAIM** Backazimuth: **81.1”** Distance: **109.89”**
init.Pol.: **266.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.9**

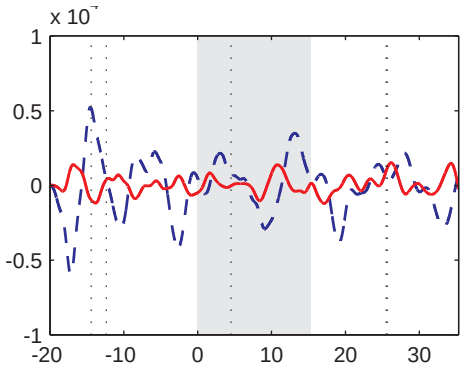
Rotation Correlation:	32<	40° <	50	0.4<0.8s<1.1
Minimum Energy:	5<	17° <	31	0.8<1.2s<1.7
Eigenvalue:	9<	21° <	37	0.7<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





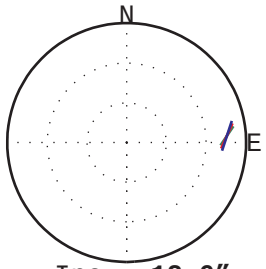




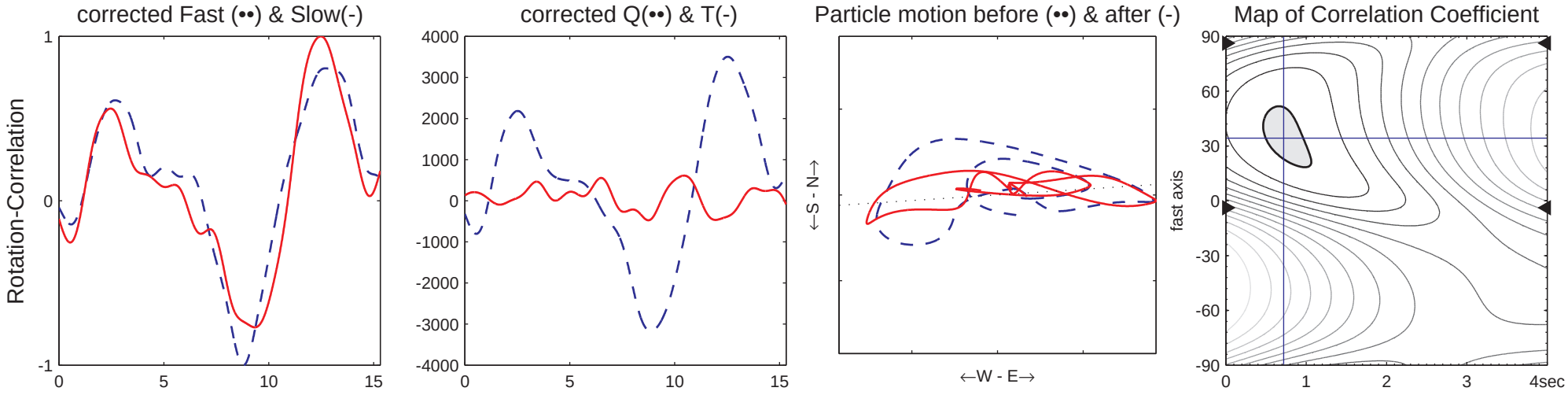
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **SAIM** Backazimuth: **86.2”** Distance: **97.45”**
init.Pol.: **263.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

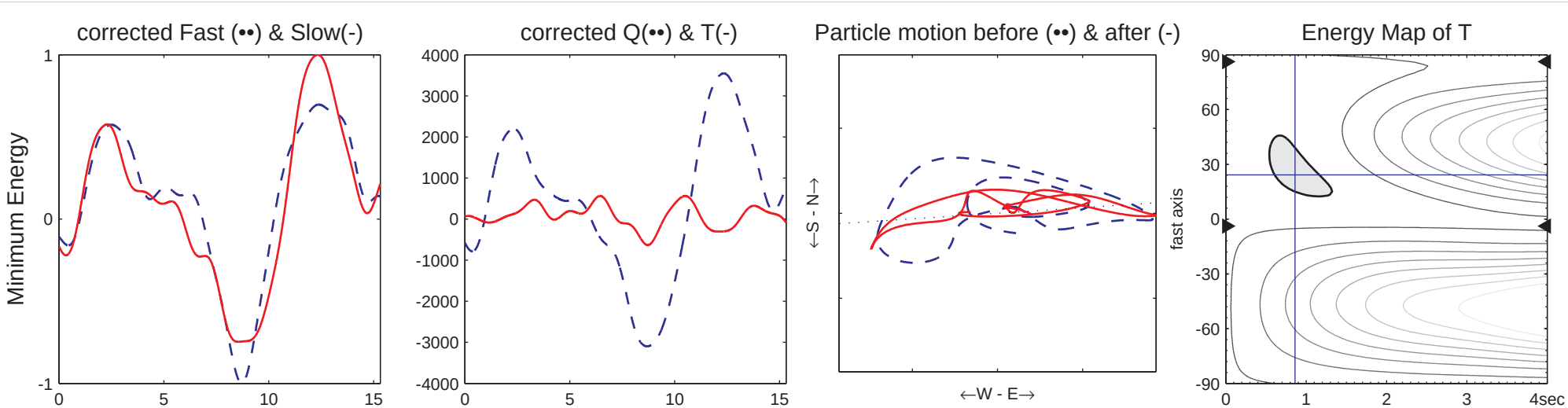
Rotation Correlation:	19<	34° <	52	0.5<0.7s<1.1
Minimum Energy:	13<	24° <	46	0.5<0.9s<1.3
Eigenvalue:	7<	18° <	46	0.6<1.0s<1.5

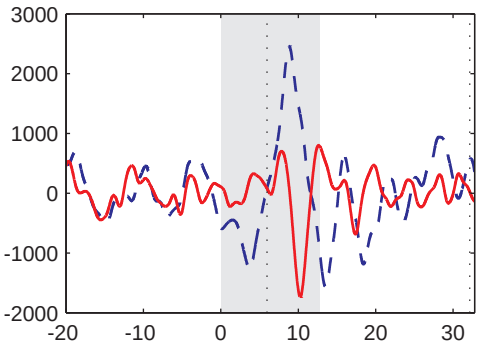
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.6”**



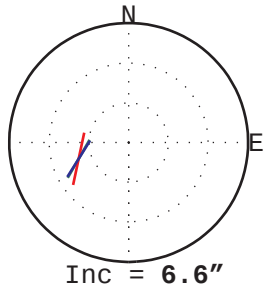


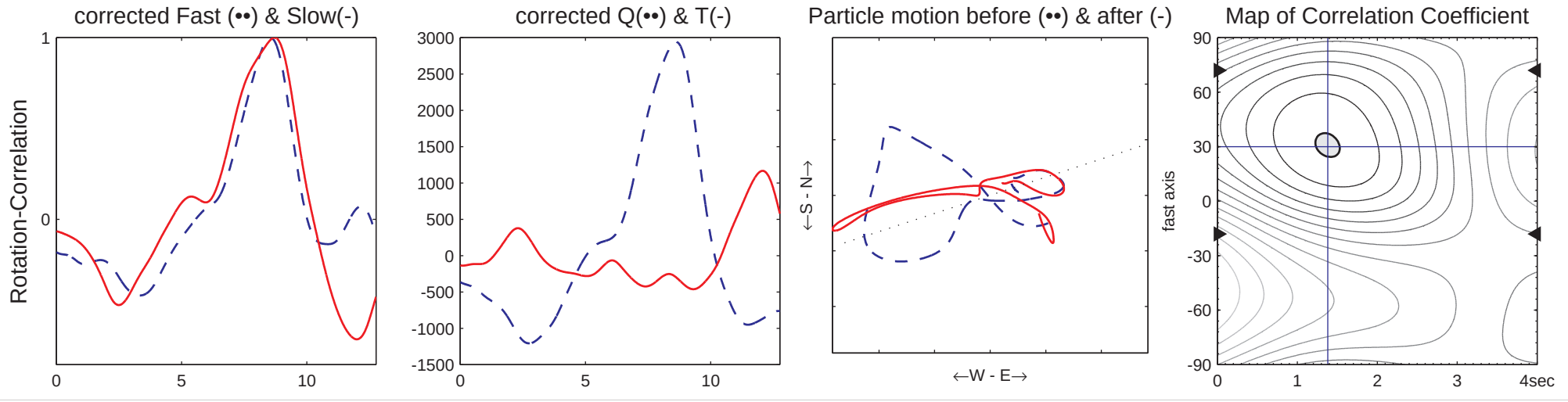


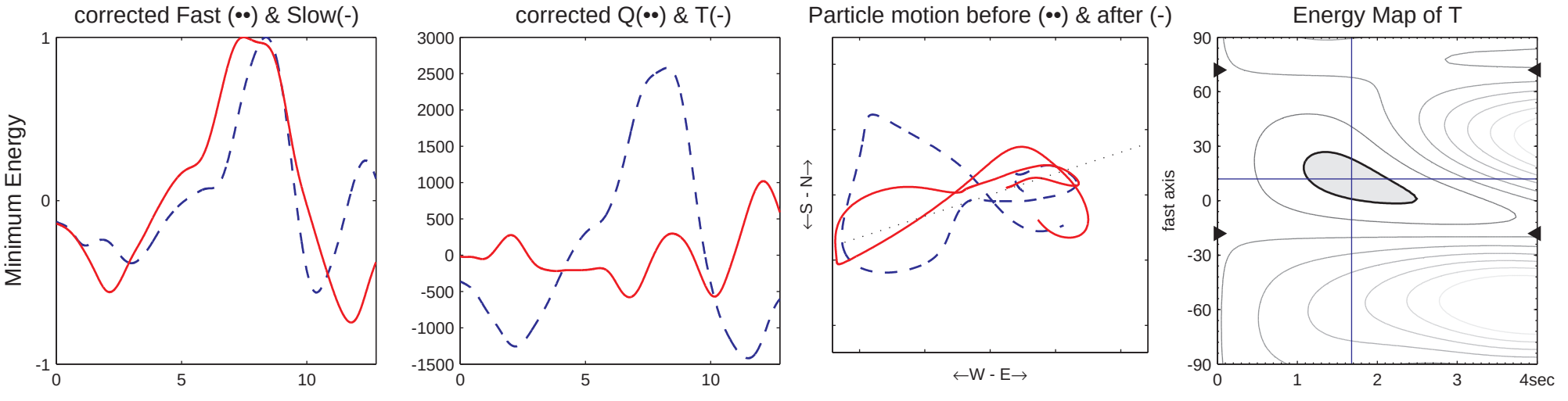
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km Mw=6.7**
Station: **SAIM** Backazimuth: **251.9”** Distance: **113.59”**
init.Pol.: **85.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.4**

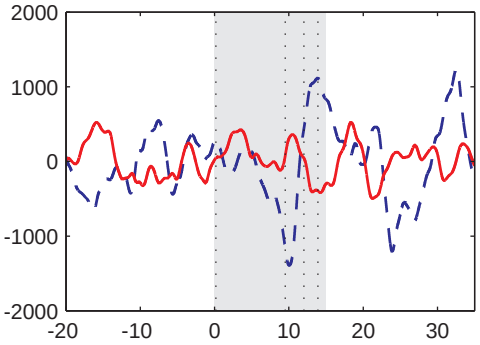
Rotation Correlation:	25<	30° <	38	1.2<1.4s<1.5
Minimum Energy:	-1<	12° <	27	1.1<1.7s<2.5
Eigenvalue:	13<	32° <	52	1.0<1.3s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





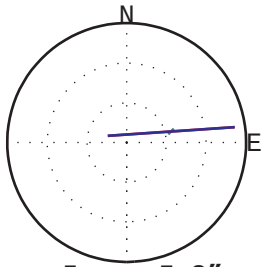




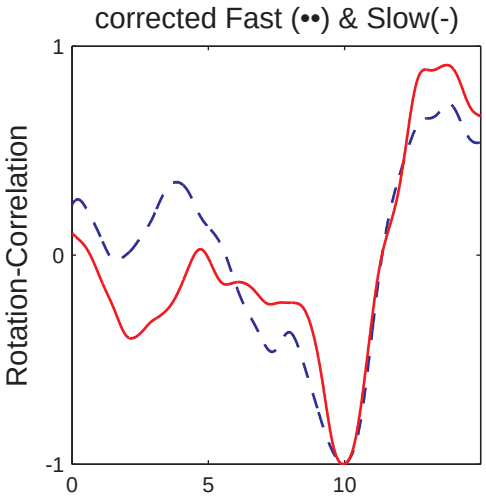
Event: **25-Jul-2012 (207) 11:20 -9.69N 159.73E 20km Mw=6.4**
Station: **SAIM** Backazimuth: **76.1”** Distance: **122.28”**
init.Pol.: **254.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

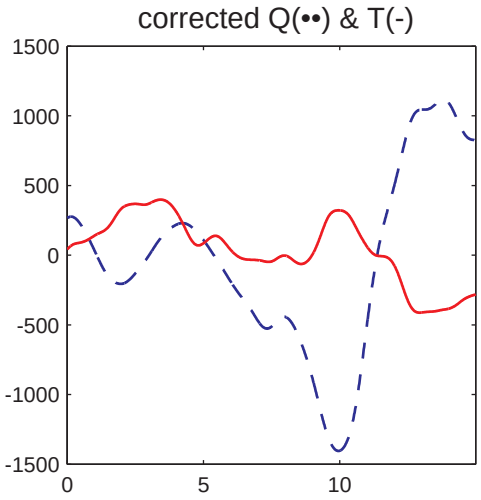
Rotation Correlation:	22<	44° <	67	0.0<0.3s<0.8
Minimum Energy:	82<	86° <	-88	2.9<4.0s<4.0
Eigenvalue:	-Inf<	86° <	Inf	0.0<4.0s<Inf

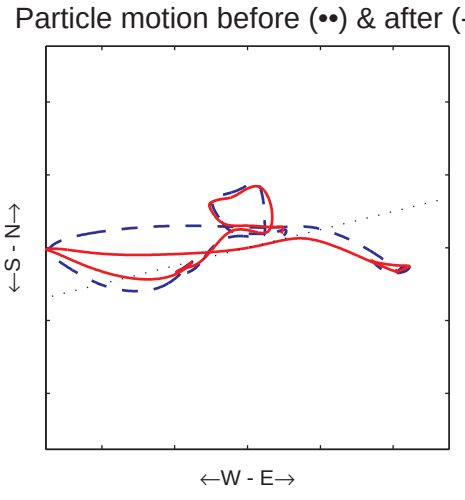
Quality: **good** IsNull: **Yes** Phase: **SKS**

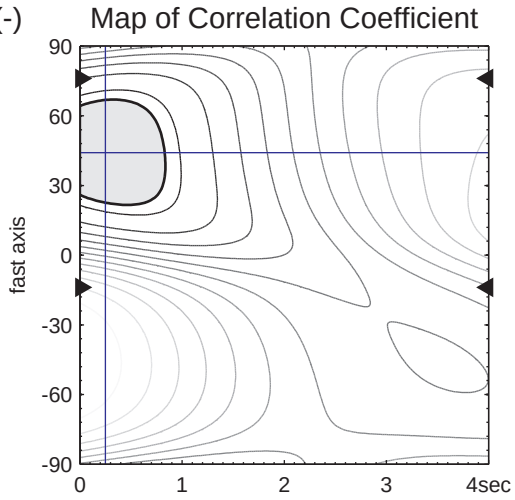


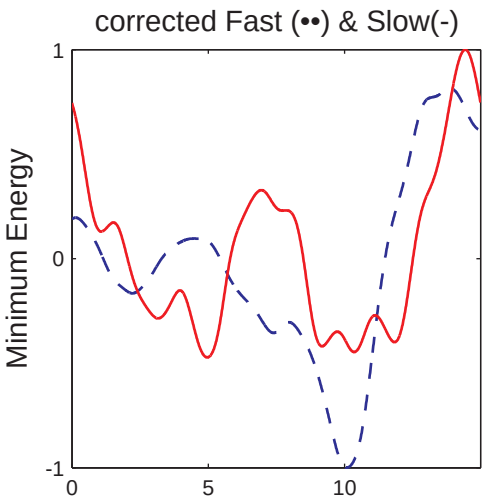
Inc = **5.8”**

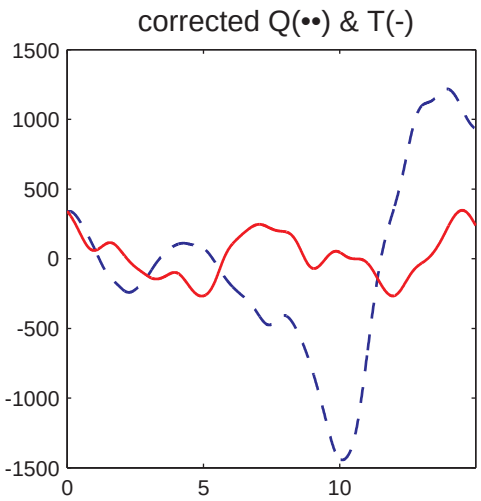


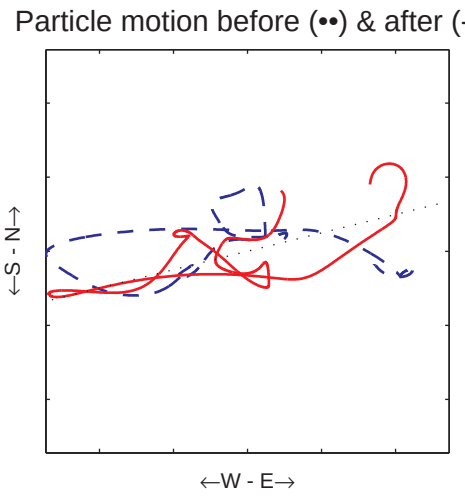


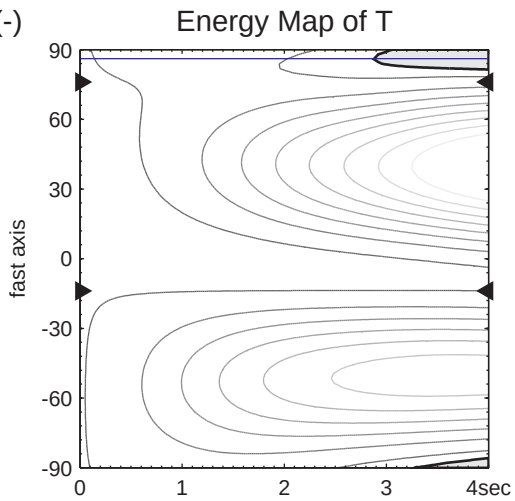


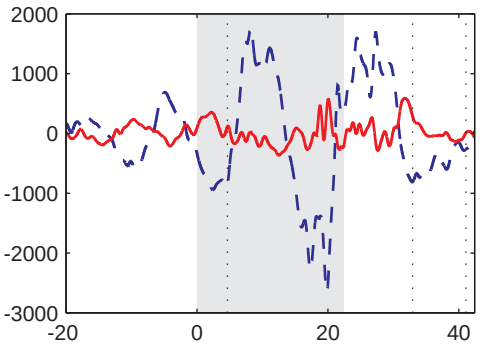








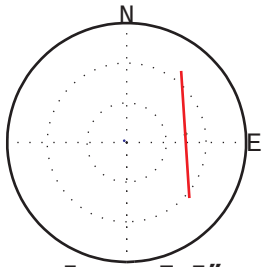


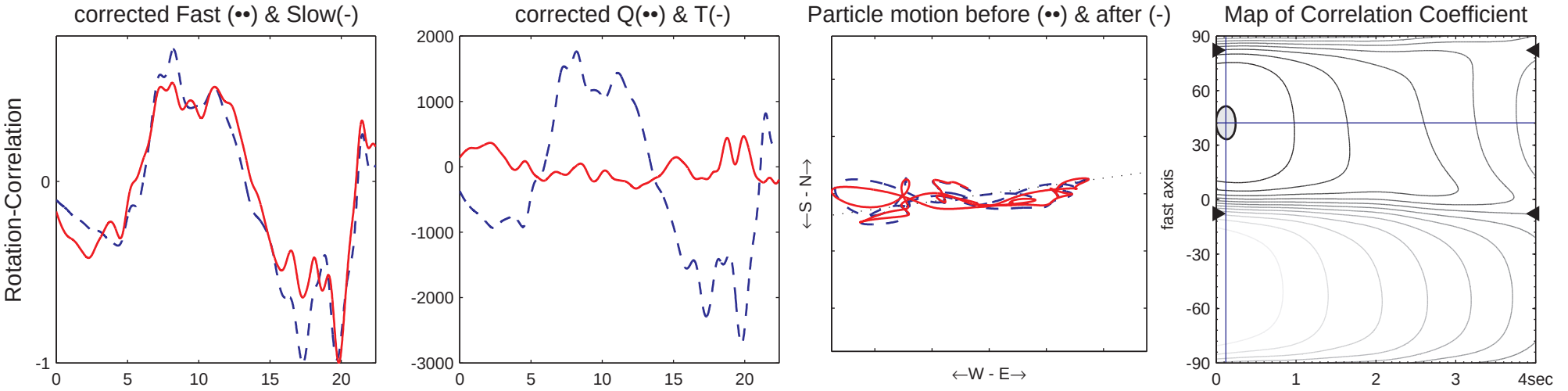


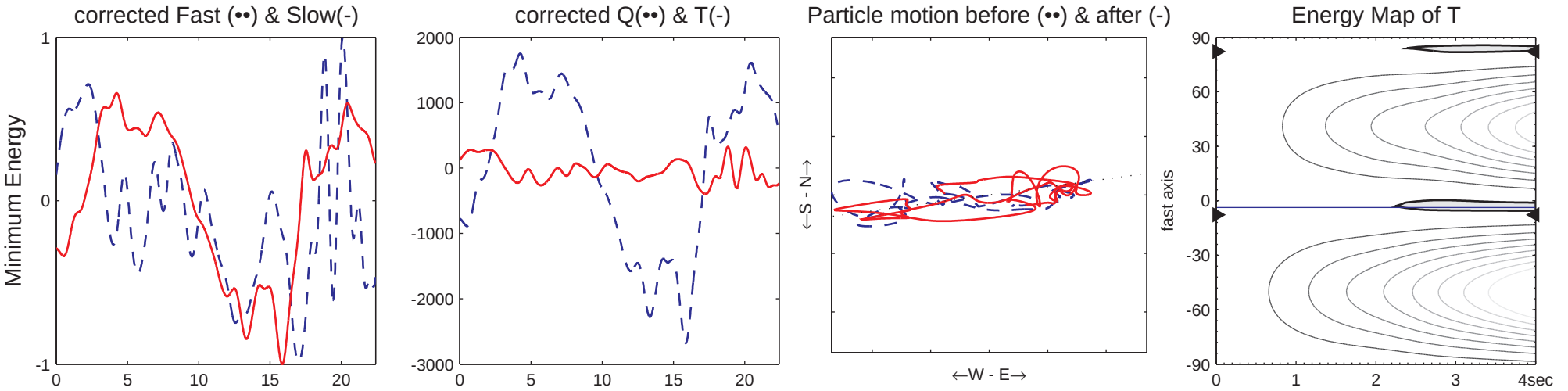
Event: **19-Aug-2012 (232) 22:41 -4.77N 144.57E 73km Mw=6.2**
Station: **SAIM** Backazimuth: **82.2”** Distance: **107.47”**
init.Pol.: **268.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.7**

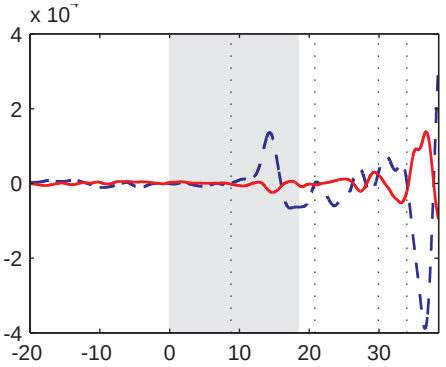
Rotation Correlation:	34<	42° <	52	0.0<0.1s<0.2
Minimum Energy:	-7<	-4° <	-1	2.2<4.0s<4.0
Eigenvalue:	84<	84° < -92		2.6<3.9s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





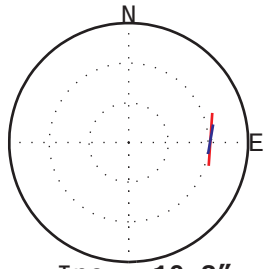




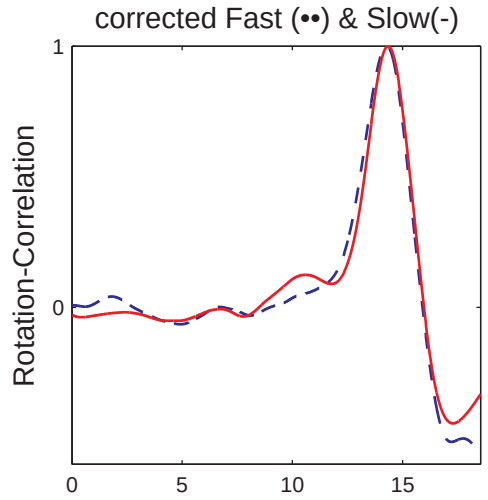
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **SAIM** Backazimuth: **87.8”** Distance: **89.25”**
init.Pol.: **273.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**16.1**

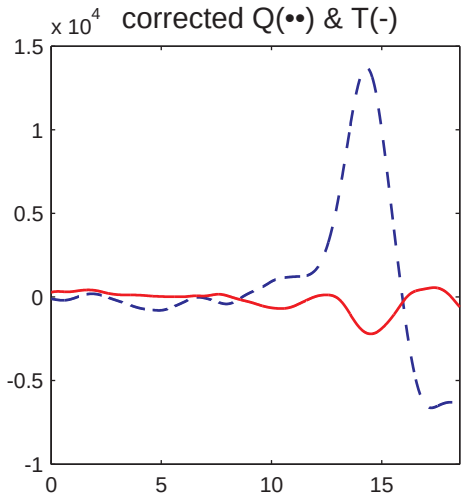
Rotation Correlation:	44<	51° <	61	0.0<0.1s<0.2
Minimum Energy:	1<	4° <	5	1.2<1.7s<2.0
Eigenvalue:	7<	10° <	17	0.5<0.9s<1.3

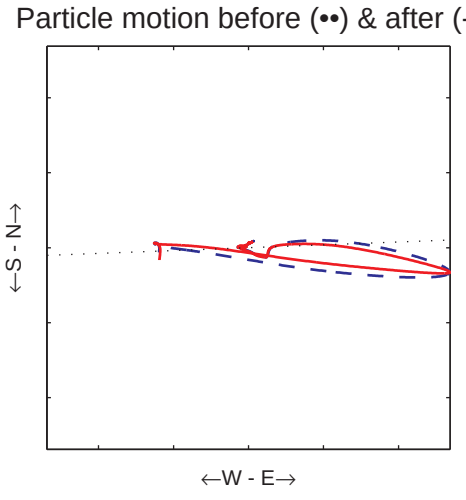
Quality: **good** IsNull: **Yes** Phase: **SKS**

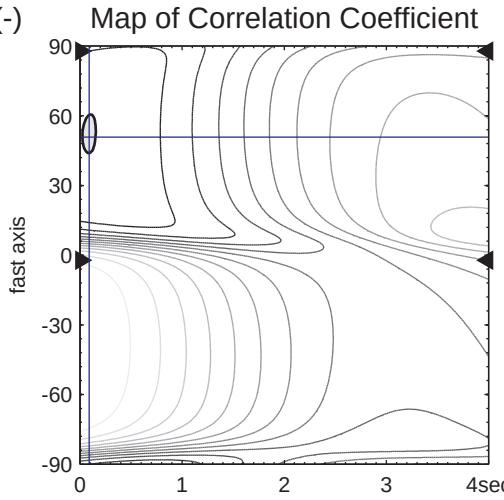


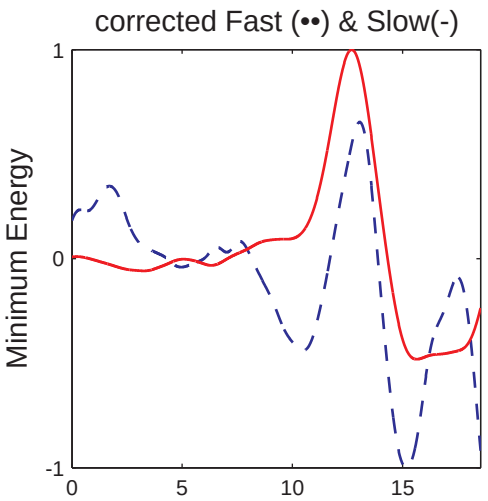
Inc = **10.3”**

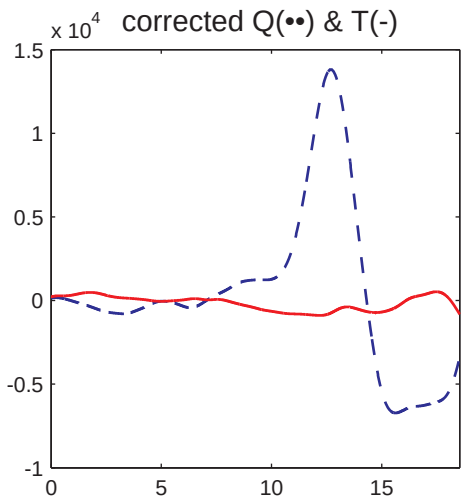


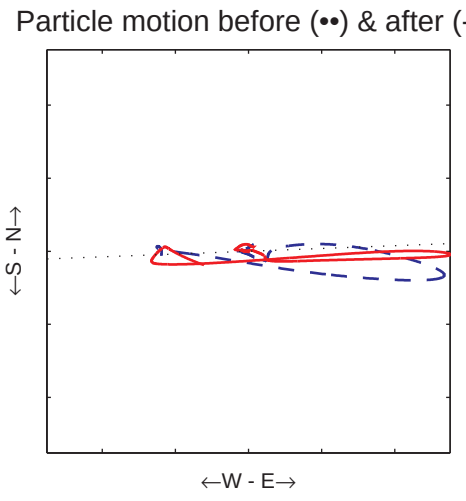


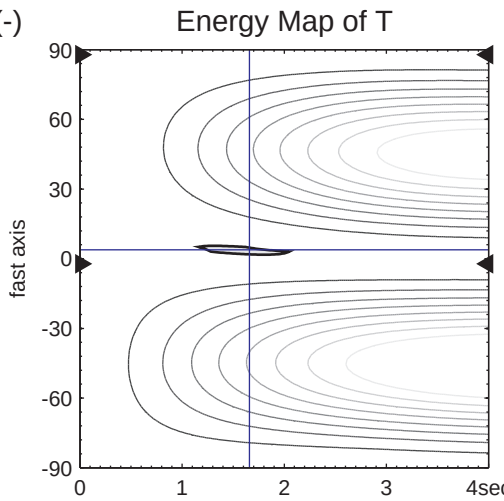


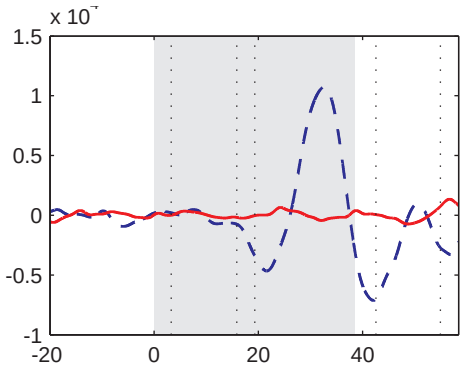








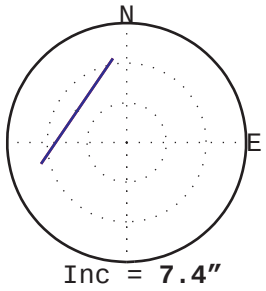


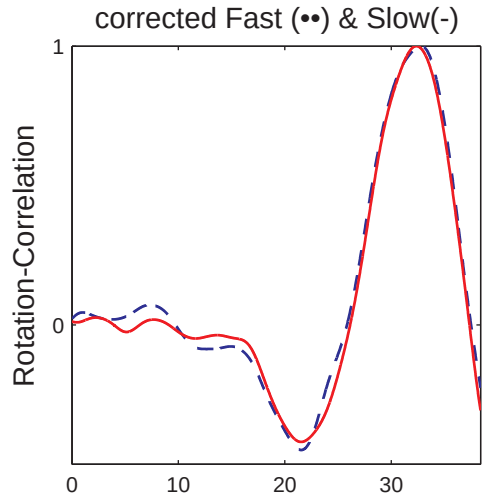


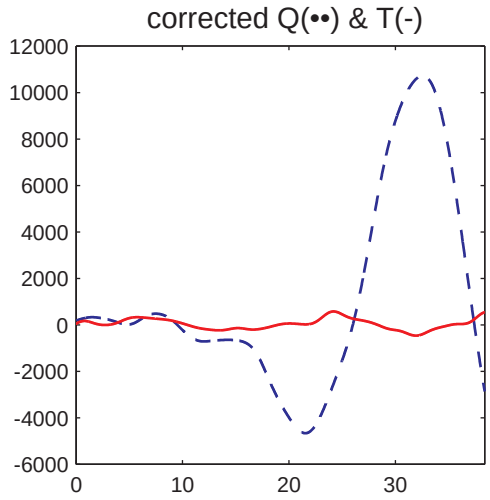
Event: **27-Aug-2012 (240) 04:37 12.14N -88.59E 28km Mw=7.3**
Station: **SAIM** Backazimuth: **302.3”** Distance: **108.00”**
init.Pol.: **122.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**30.1**

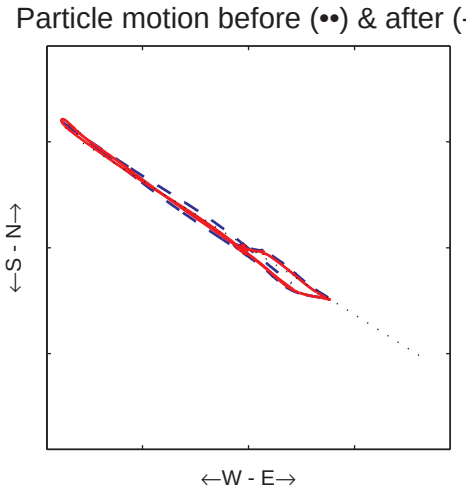
Rotation Correlation:	52<	78° < -76	0.0<0.1s<0.6
Minimum Energy:	33<	34° < 88	0.1<4.0s<4.0
Eigenvalue:	33<	34° < -58	0.0<4.0s<4.0

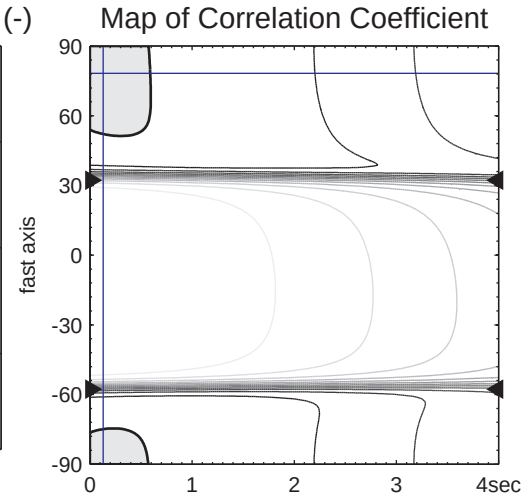
Quality: **good** IsNull: **Yes** Phase: **SKS**

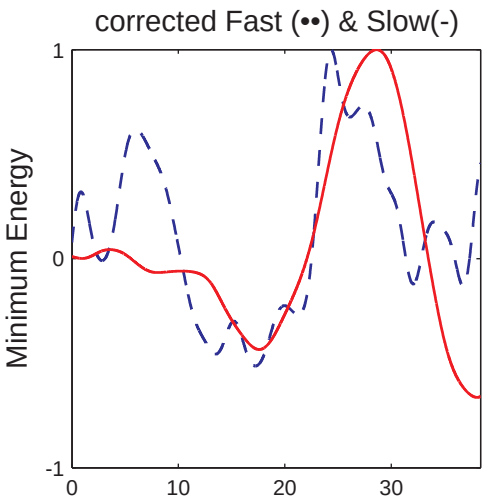


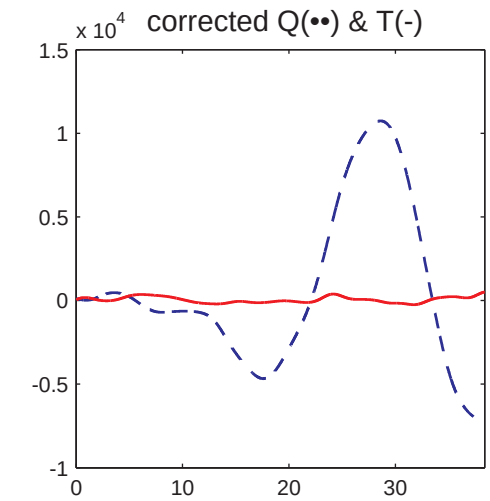


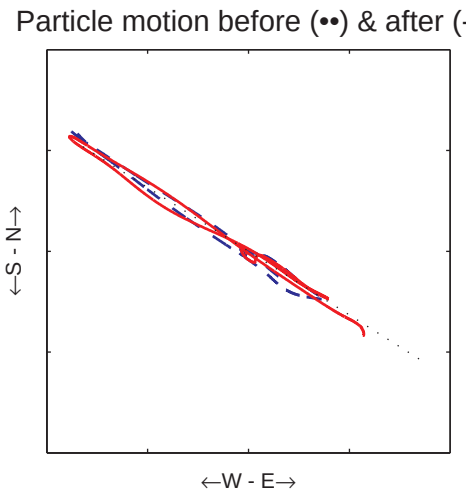


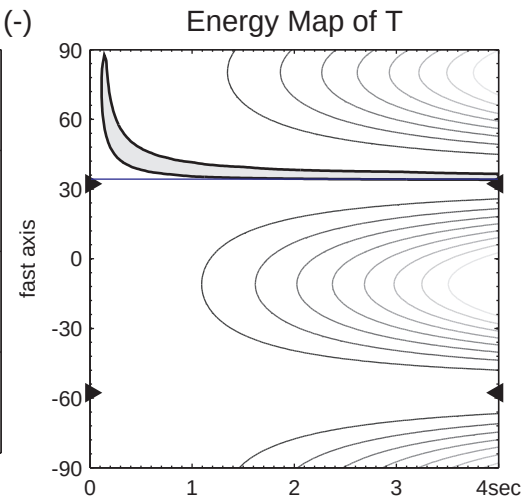


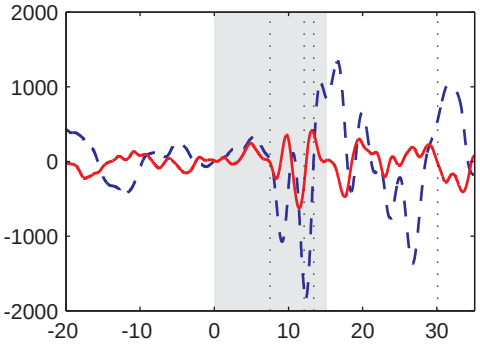








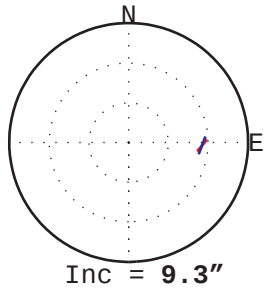


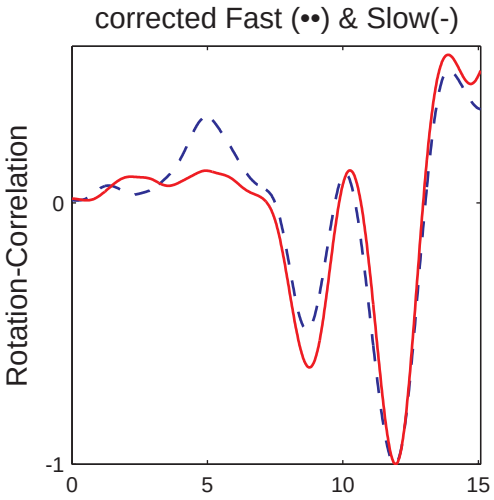


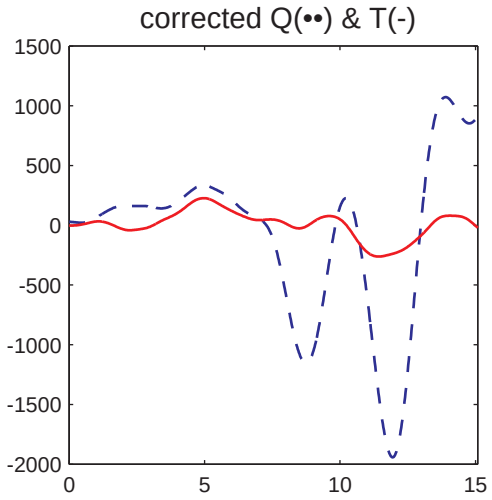
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **SARI** Backazimuth: **92.3”** Distance: **95.62”**
init.Pol.: **263.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.1**

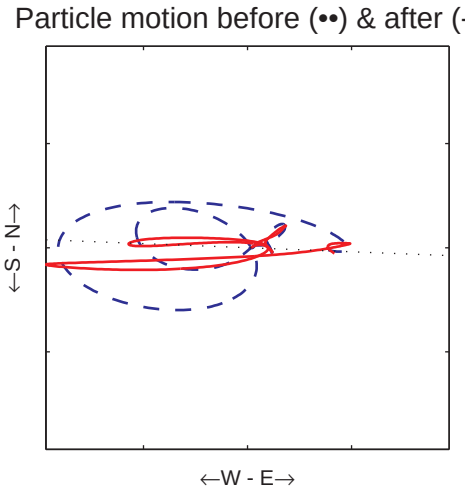
Rotation Correlation:	18<	28° <	43	0.4<0.5s<0.6
Minimum Energy:	27<	40° <	60	0.4<0.5s<0.6
Eigenvalue:	13<	20° <	35	0.4<0.6s<0.8

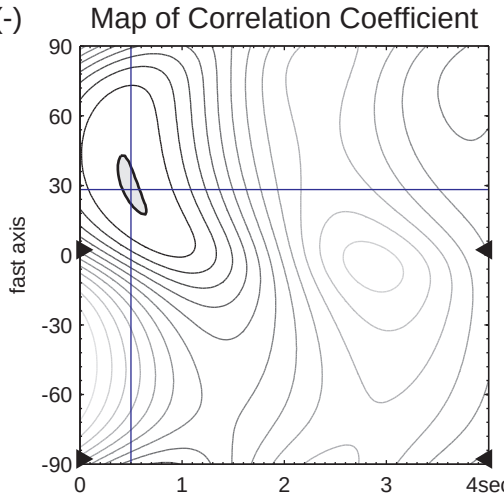
Quality: **fair** IsNull: **No** Phase: **SKS**

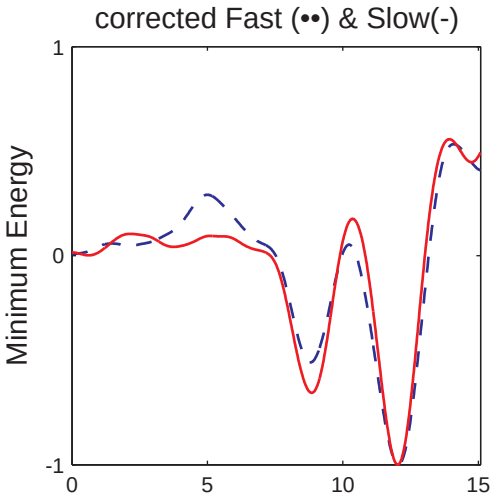


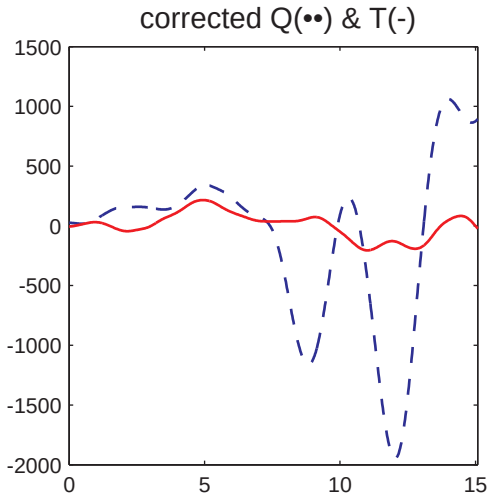


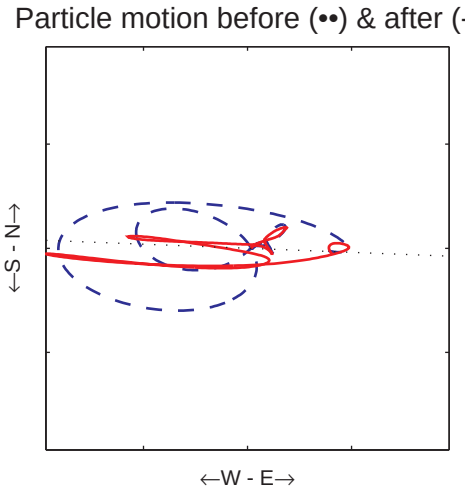


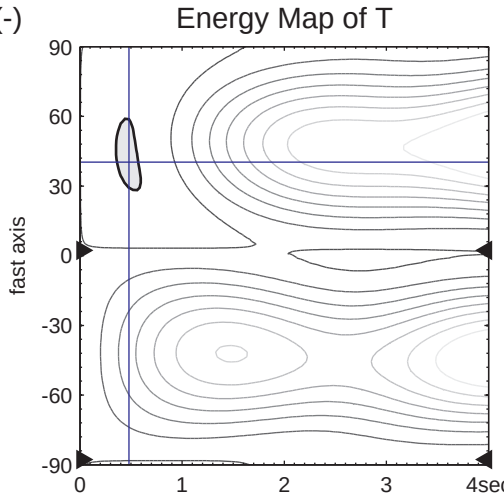


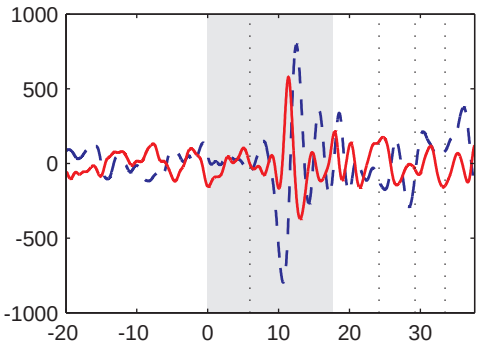








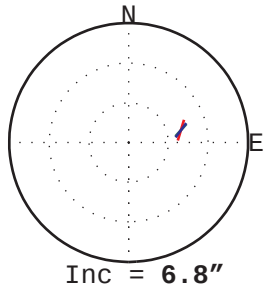


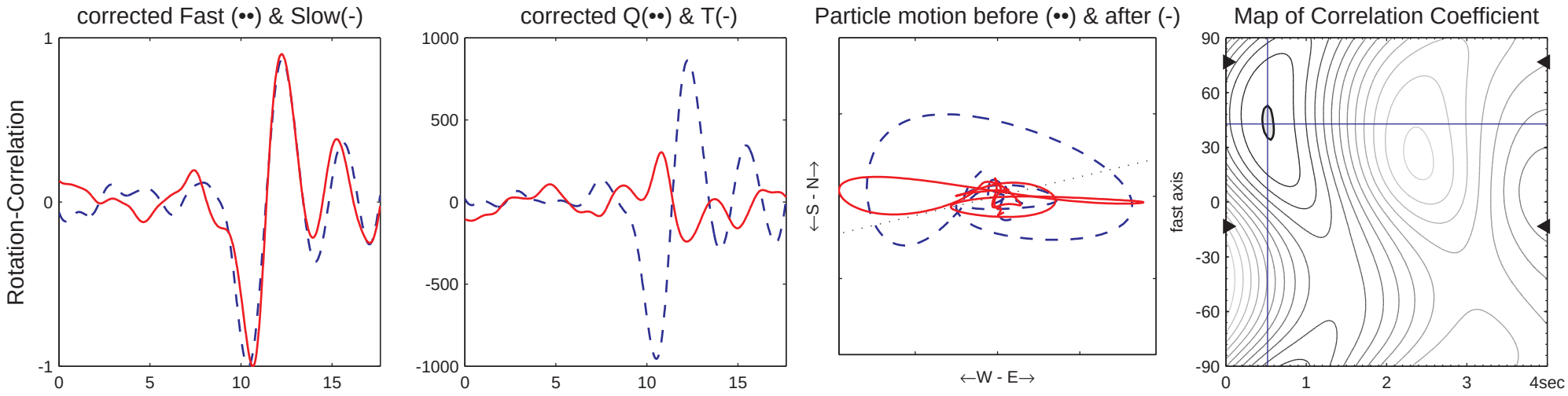


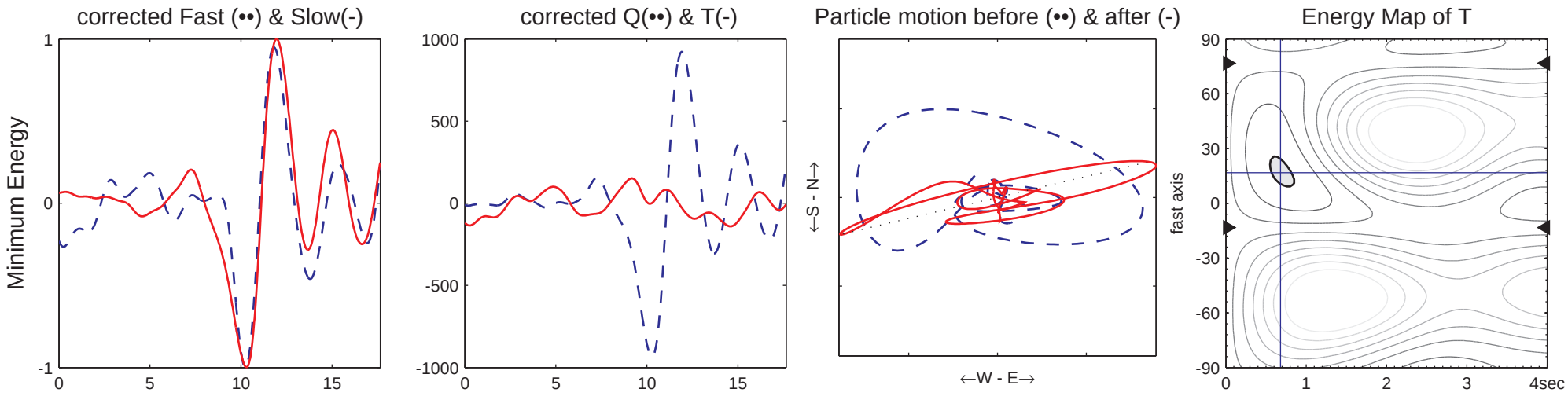
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **SARI** Backazimuth: **76.7”** Distance: **113.55”**
init.Pol.: **269.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.3**

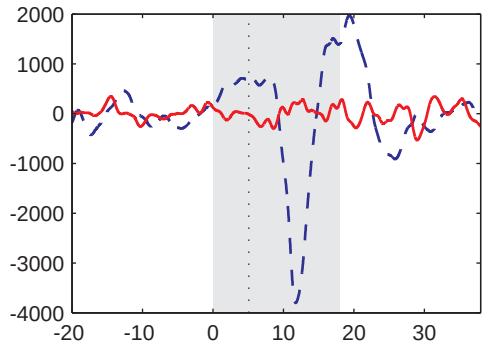
Rotation Correlation:	34<	43° <	53	0.4<0.5s<0.6
Minimum Energy:	9<	17° <	25	0.6<0.7s<0.8
Eigenvalue:	21<	37° <	58	0.4<0.6s<0.7

Quality: **fair** IsNull: **No** Phase: **SKS**





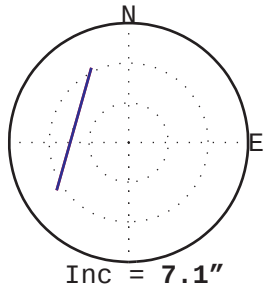


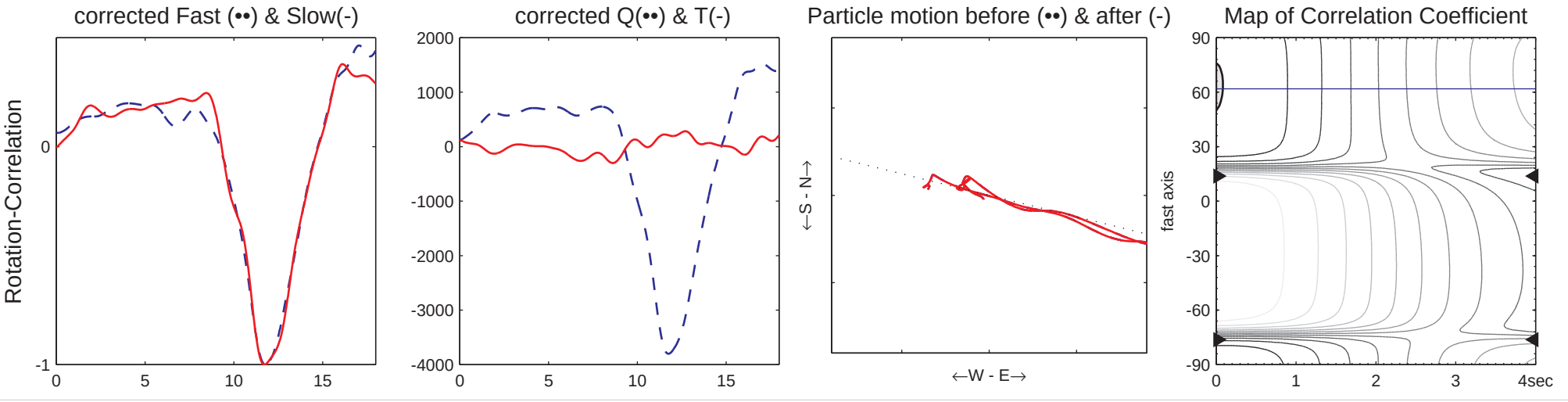


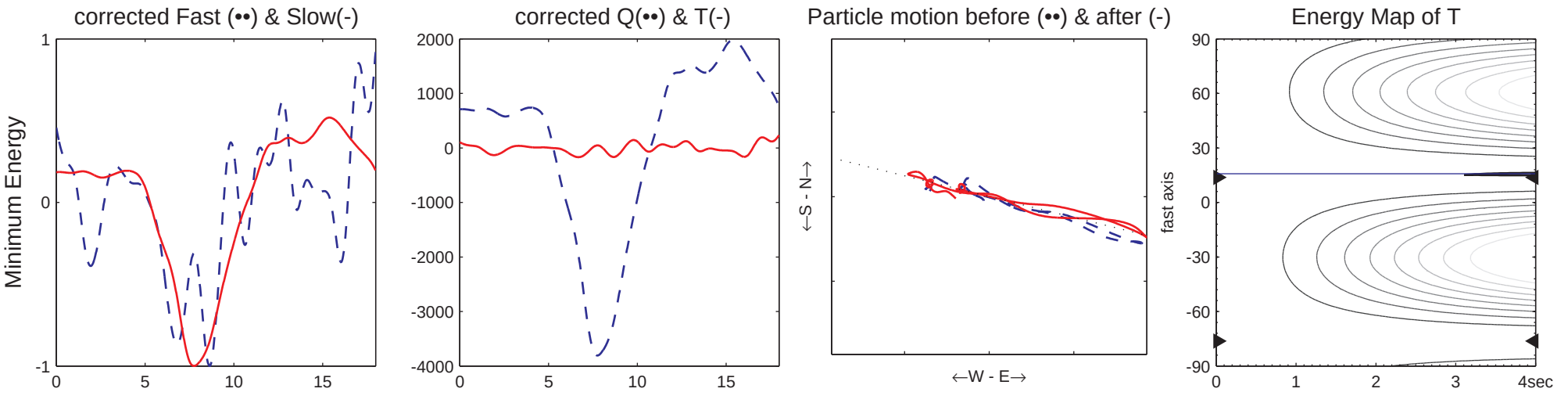
Event: **16-Nov-2007 (320) 03:13 -2.31N -77.84E 122km Mw=6.8**
Station: **SARI** Backazimuth: **283.8”** Distance: **110.29”**
init.Pol.: **103.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**22.0**

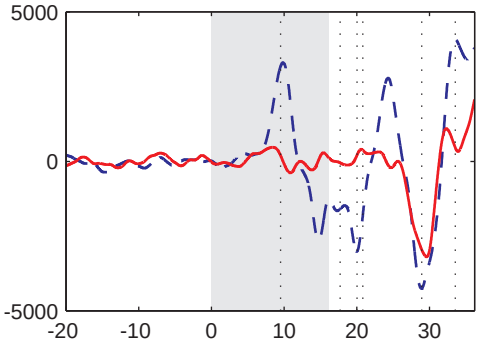
Rotation Correlation:	50<	62° <	76	0.0<0.0s<0.1
Minimum Energy:	15<	16° <	17	3.1<4.0s<4.0
Eigenvalue:	15<	16° <	17	2.9<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





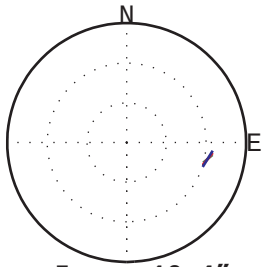




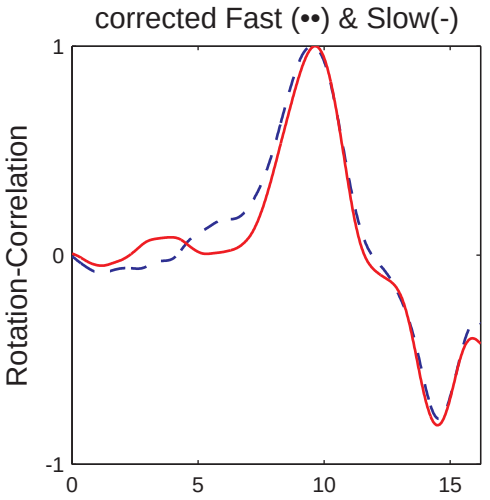
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **SARI** Backazimuth: **101.4”** Distance: **88.94”**
init.Pol.: **279.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.6**

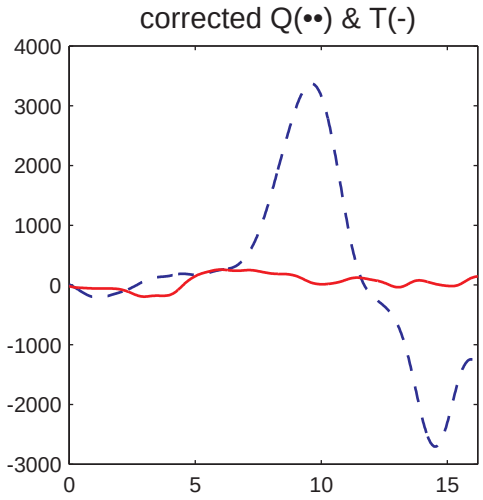
Rotation Correlation:	28<	49° <	72	0.1<0.4s<0.8
Minimum Energy:	21<	39° <	86	0.2<0.5s<1.1
Eigenvalue:	17<	31° <	76	0.3<0.6s<1.2

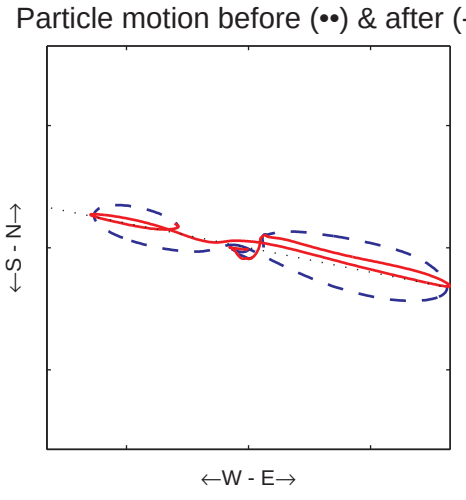
Quality: **fair** IsNull: **No** Phase: **SKS**

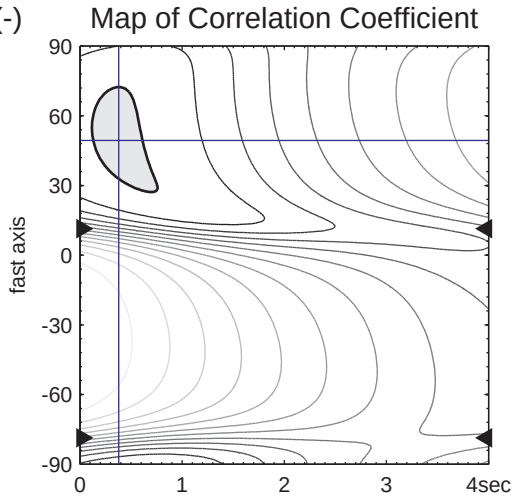


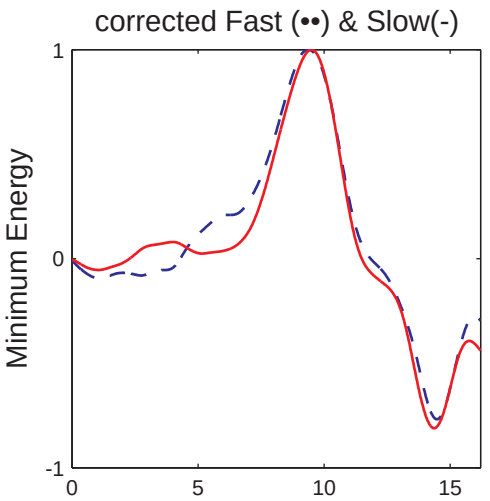
Inc = **10.4”**

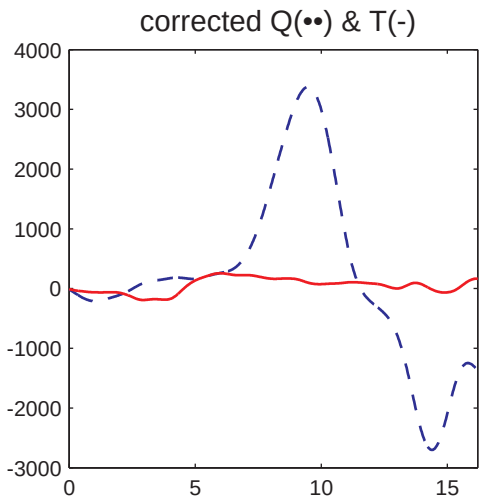


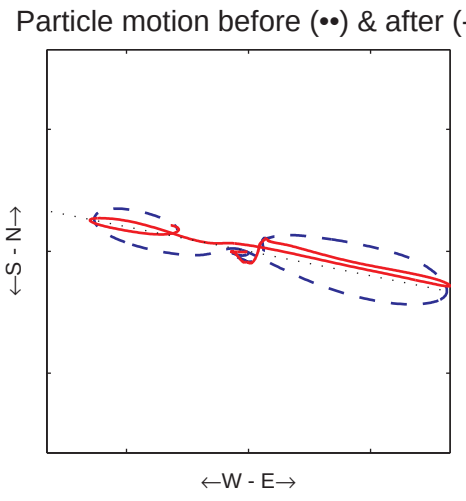


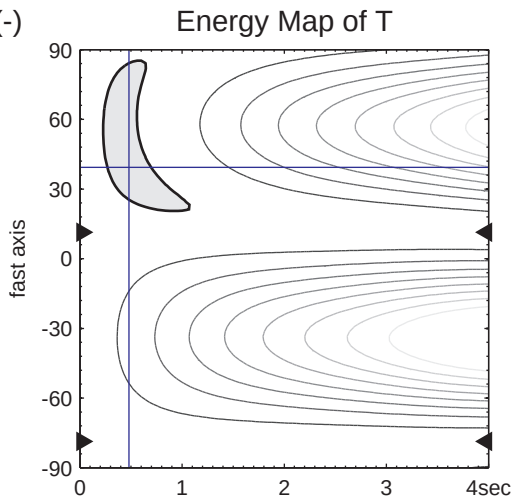


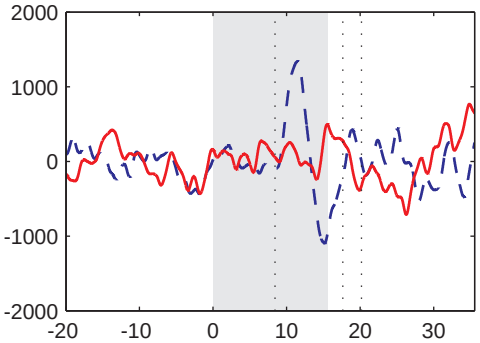








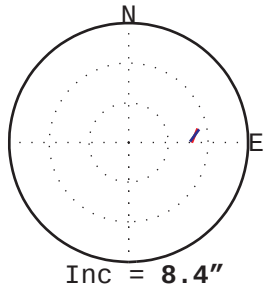


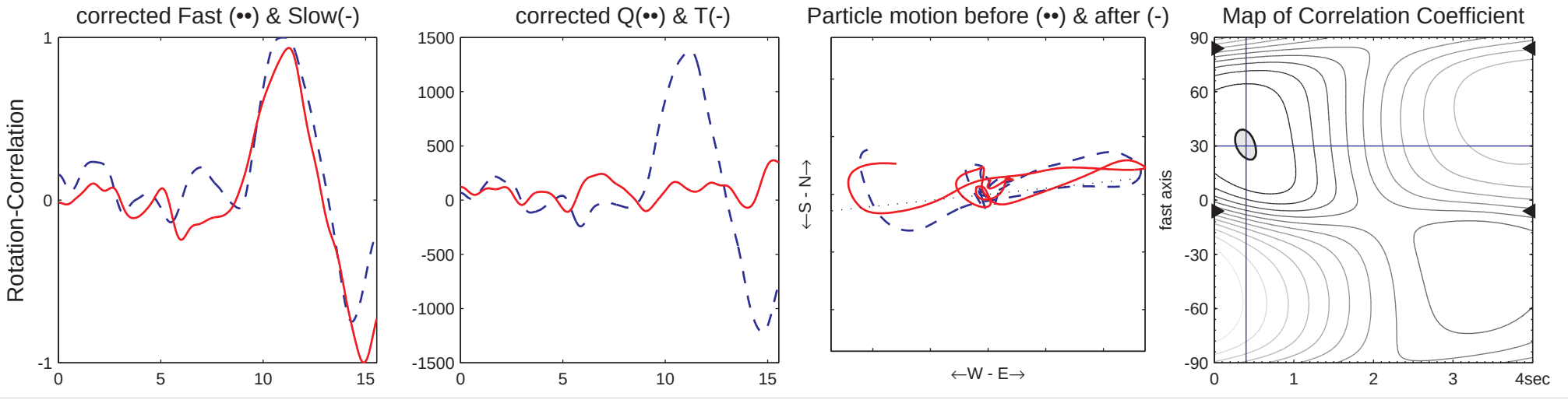


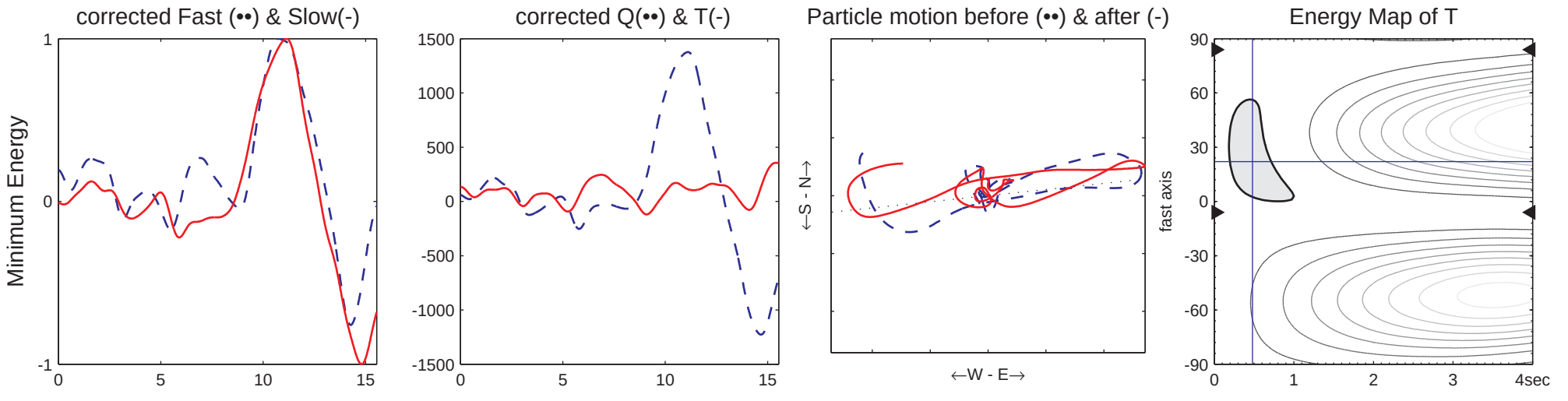
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **SARI** Backazimuth: **84.0”** Distance: **101.39”**
init.Pol.: **265.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.8**

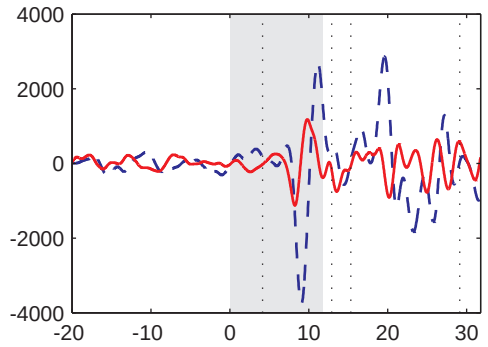
Rotation Correlation:	23<	30° <	39	0.3<0.4s<0.5
Minimum Energy:	1<	22° <	56	0.2<0.5s<1.0
Eigenvalue:	7<	36° <	74	0.3<0.5s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





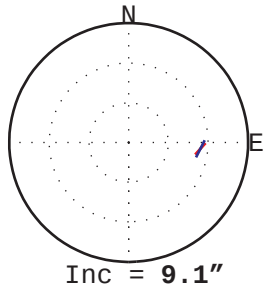


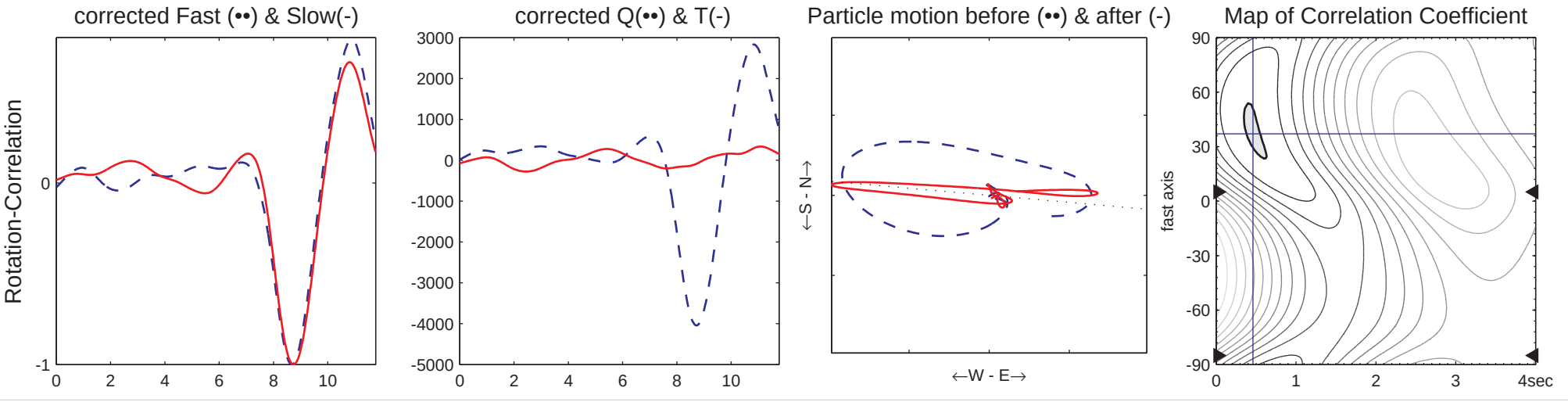


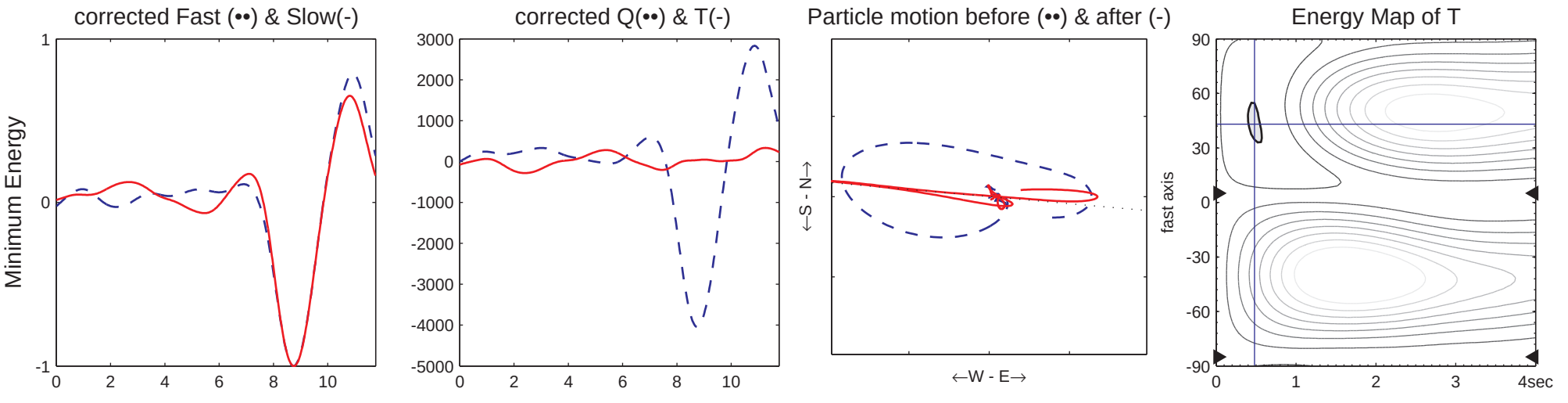
Event: **13-Feb-2008 (044) 19:58 -8.16N 128.64E 19km Mw=6.2**
Station: **SARI** Backazimuth: **95.0”** Distance: **96.79”**
init.Pol.: **269.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**12.9**

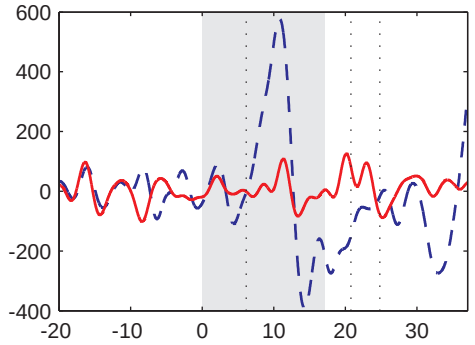
Rotation Correlation:	24<	37° <	54	0.4<0.5s<0.6
Minimum Energy:	33<	43° <	56	0.4<0.5s<0.6
Eigenvalue:	15<	27° <	46	0.4<0.6s<0.8

Quality: **good** IsNull: **No** Phase: **SKS**





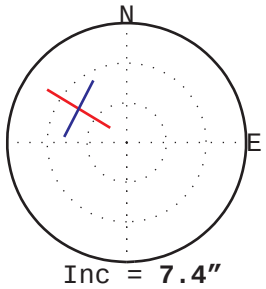


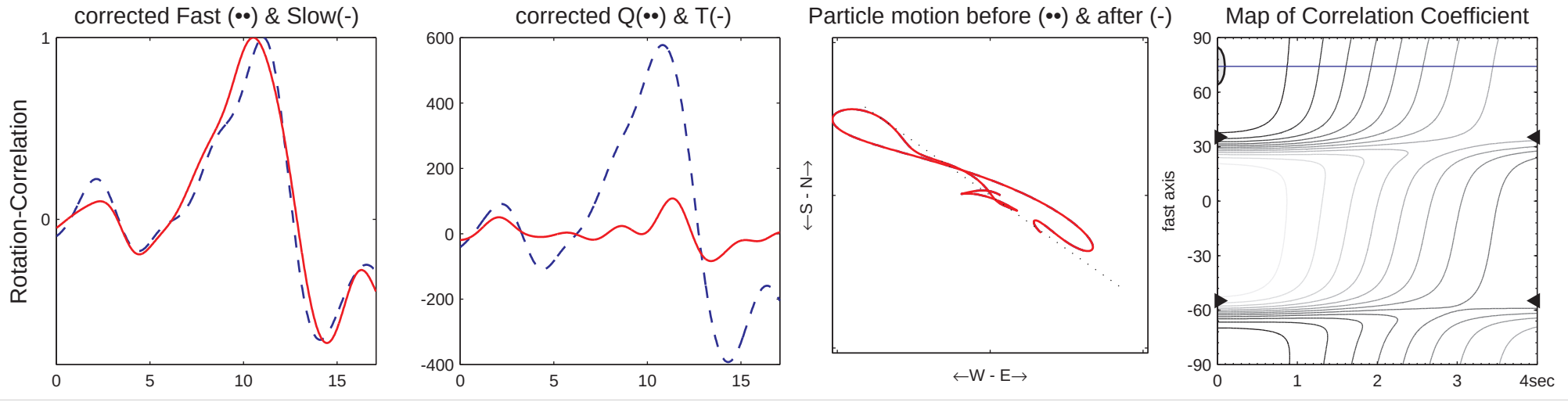


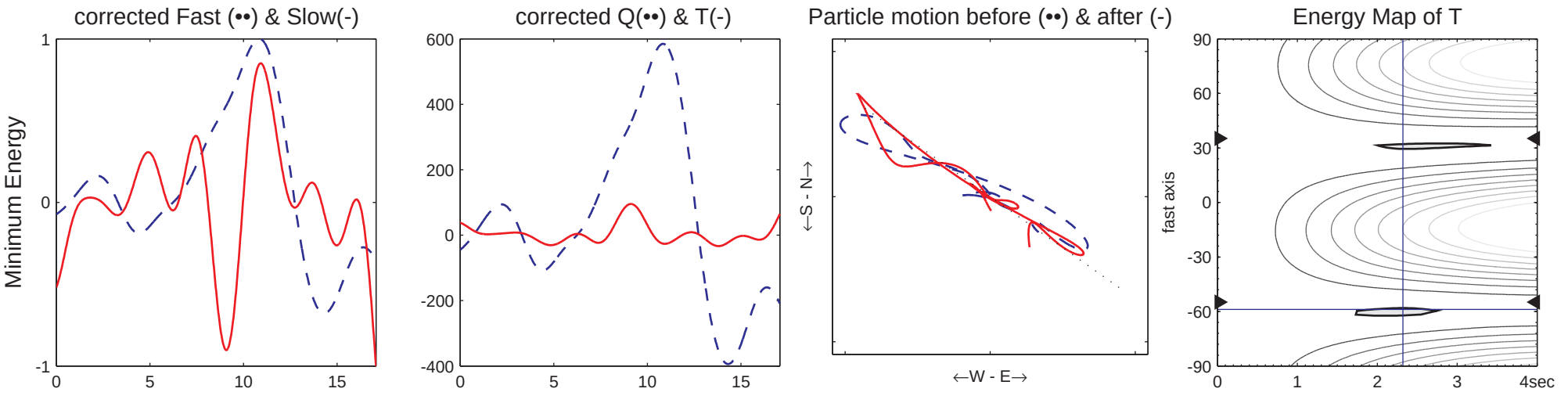
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **SARI** Backazimuth: **305.2”** Distance: **108.24”**
init.Pol.: **119.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.1**

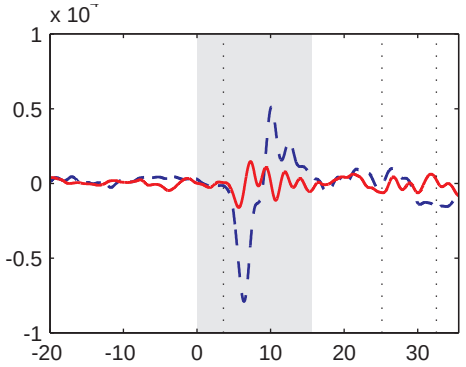
Rotation Correlation:	64<	74° <	85	0.0<0.0s<0.1
Minimum Energy:	-64<	-59° <	-60	1.7<2.3s<2.8
Eigenvalue:	25<	27° <	29	0.3<2.0s<3.6

Quality: **good** IsNull: **Yes** Phase: **SKS**





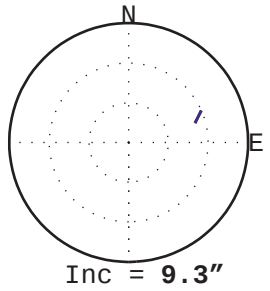


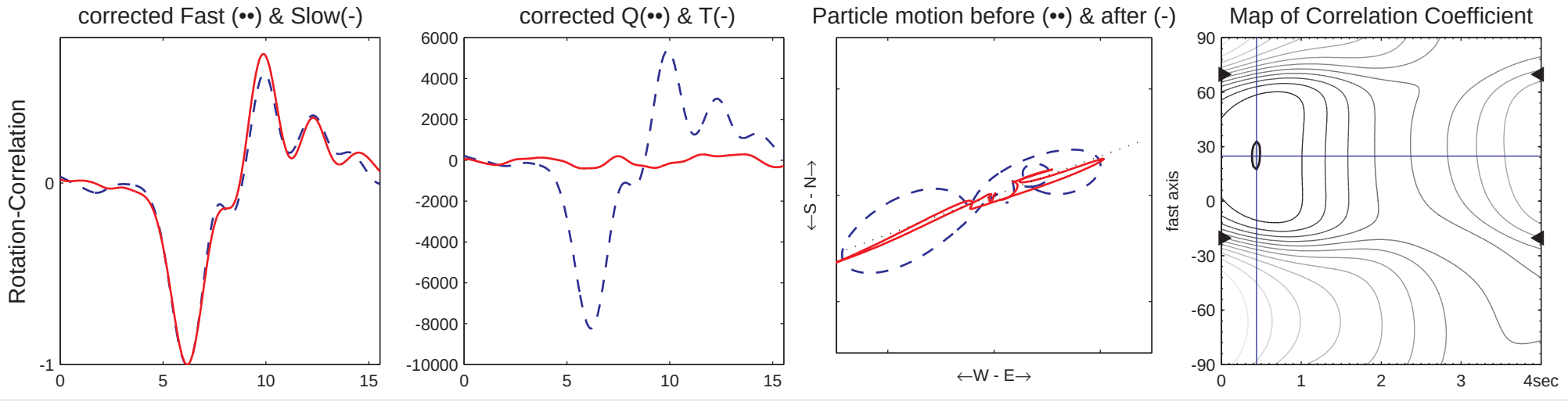


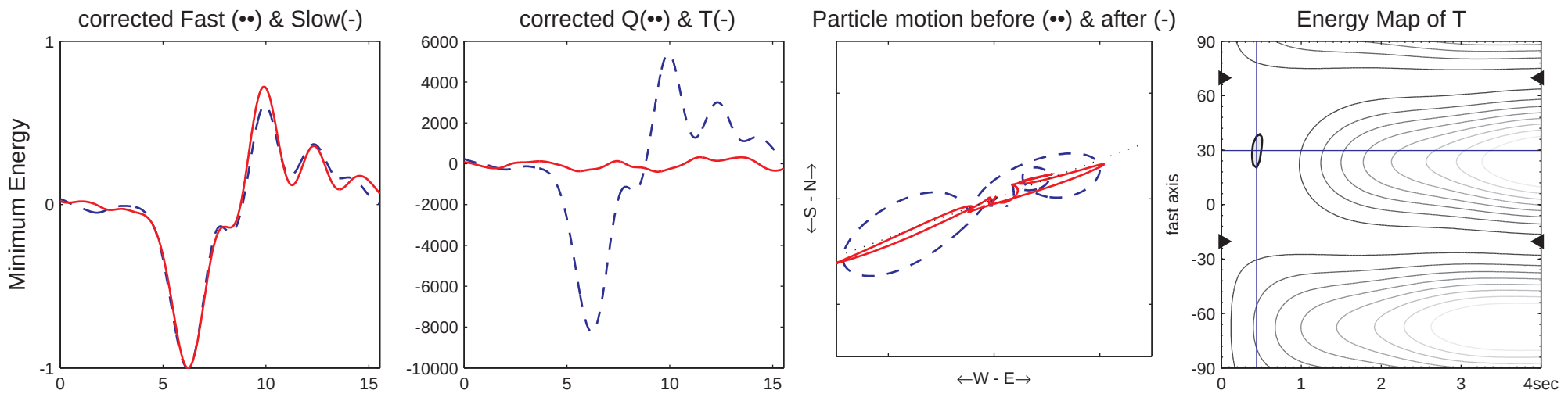
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **SARI** Backazimuth: **69.8”** Distance: **94.93”**
init.Pol.: **248.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**20.2**

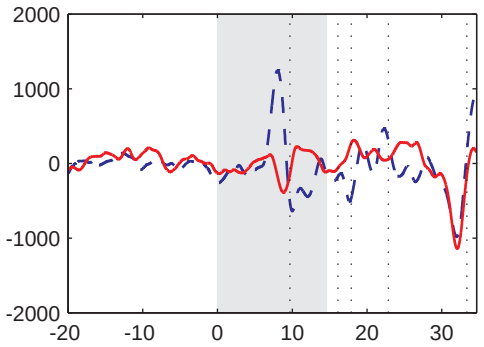
Rotation Correlation:	18<	25° <	33	0.4<0.4s<0.5
Minimum Energy:	21<	30° <	39	0.4<0.4s<0.5
Eigenvalue:	15<	26° <	35	0.4<0.4s<0.5

Quality: **good** IsNull: **No** Phase: **SKS**





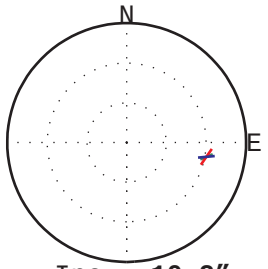




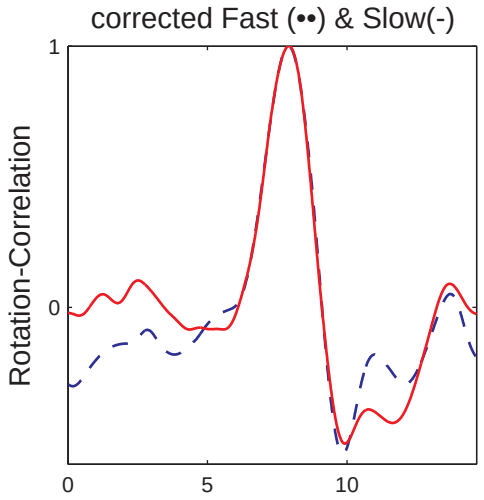
Event: **03-Jun-2008 (155) 22:04 -8.10N 120.23E 14km Mw=6.0**
Station: **SARI** Backazimuth: **100.2”** Distance: **90.22”**
init.Pol.: **292.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.5**

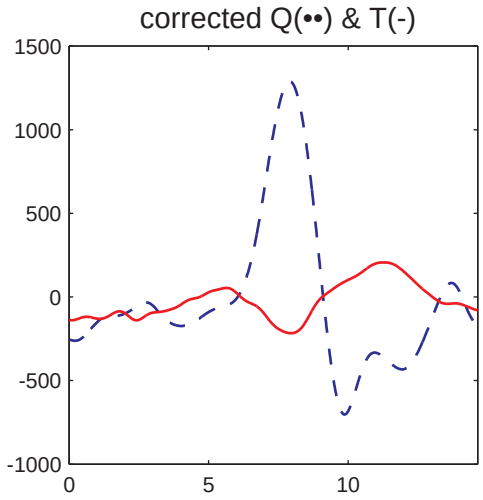
Rotation Correlation:	55<	68° <	82	0.3<0.4s<0.6
Minimum Energy:	21<	34° <	72	0.3<0.6s<1.3
Eigenvalue:	43<	84° <	-80	0.3<0.5s<1.0

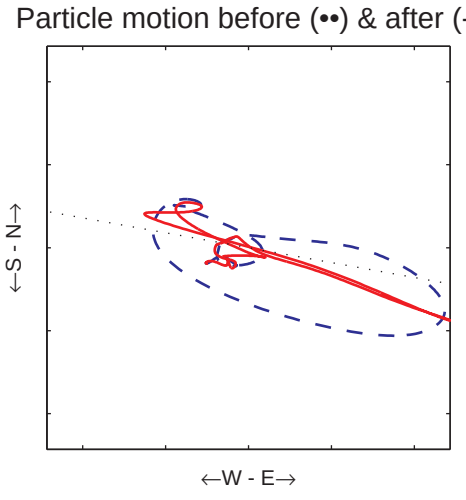
Quality: **good** IsNull: **No** Phase: **SKS**

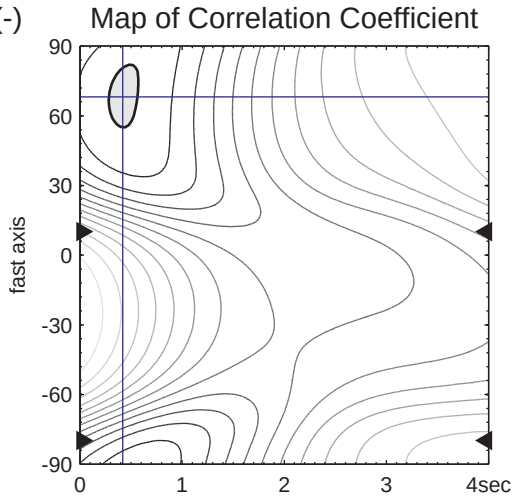


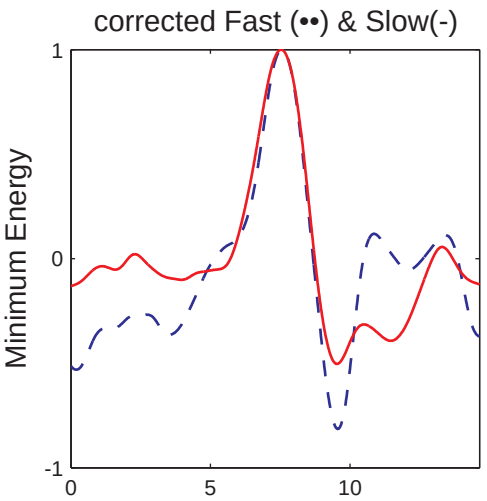
Inc = **10.2”**

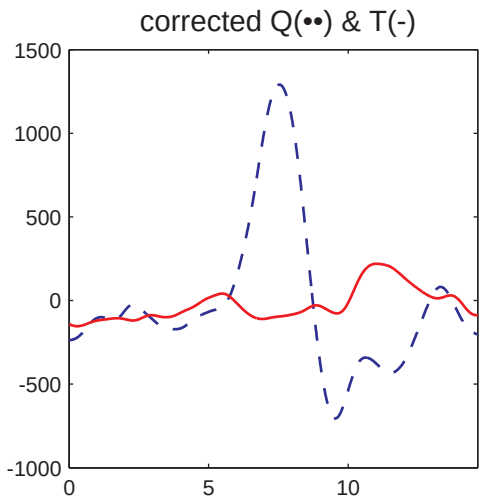


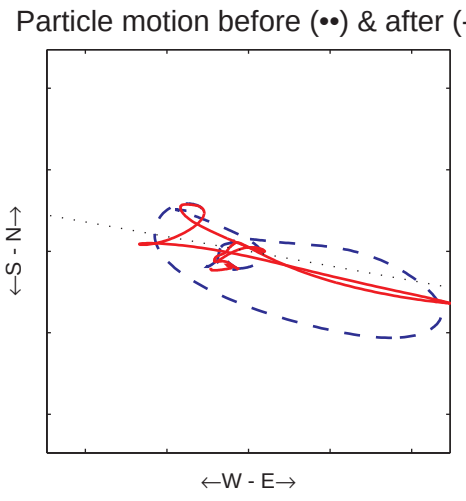


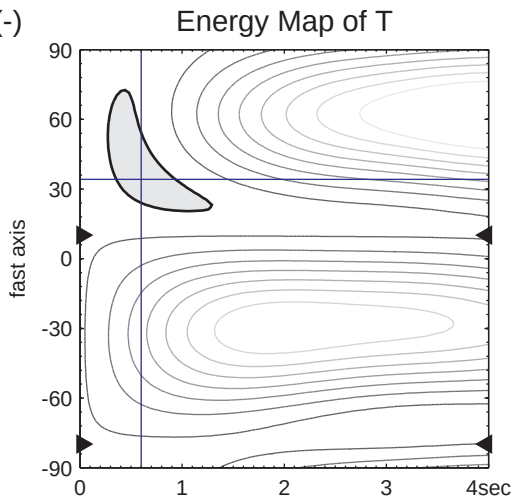


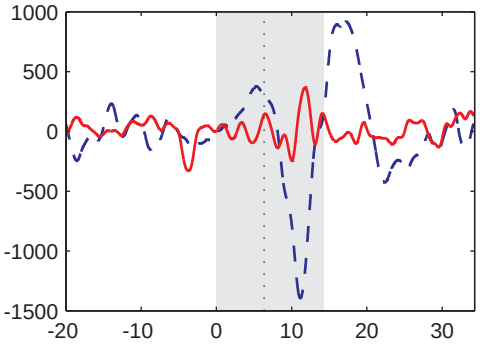








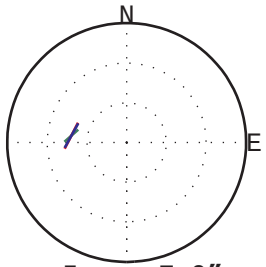


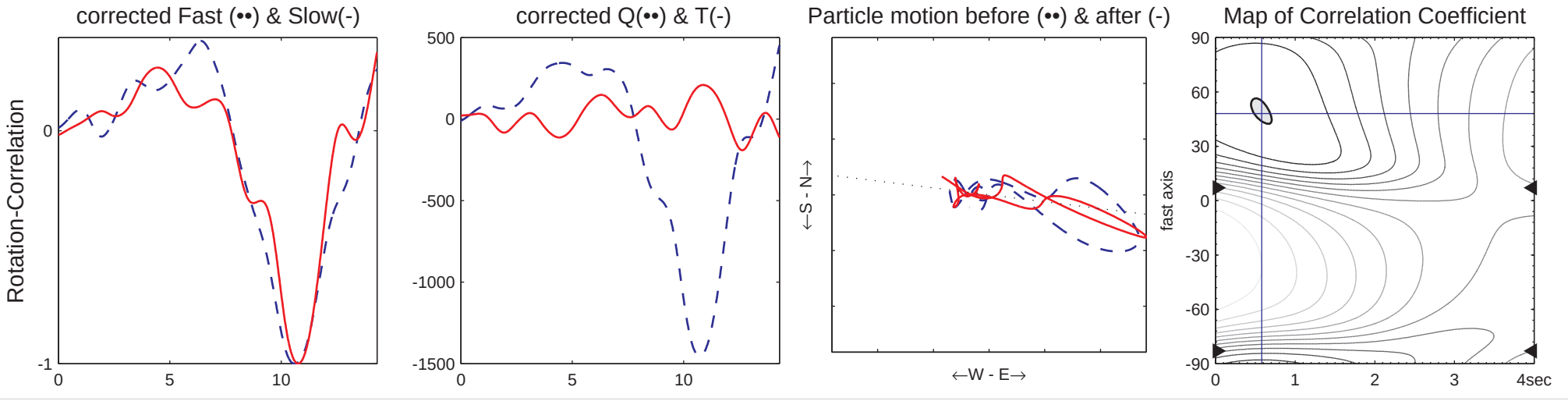


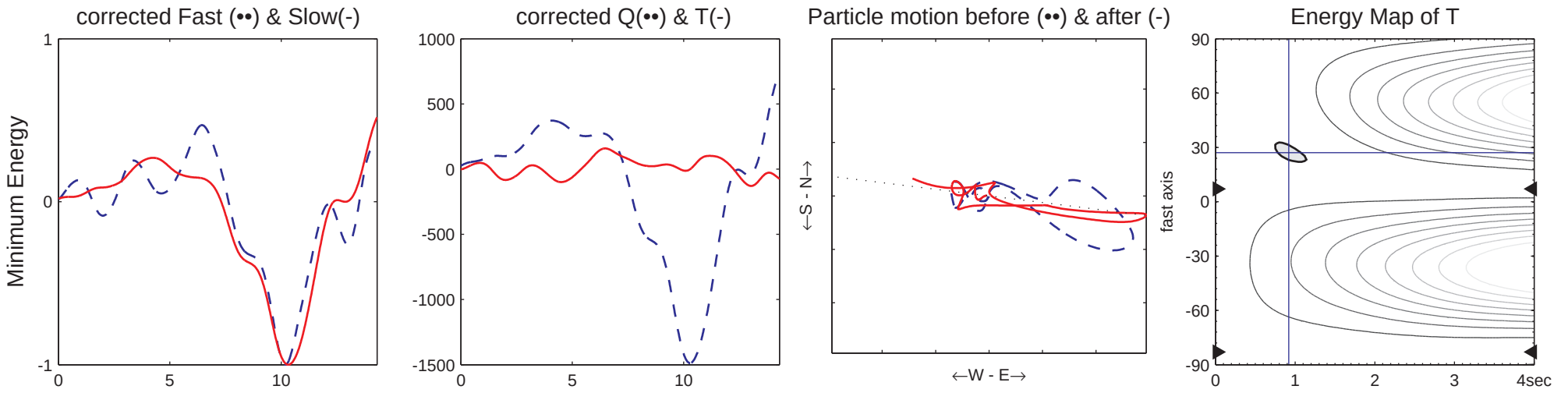
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **SARI** Backazimuth: **277.0”** Distance: **111.00”**
init.Pol.: **99.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.7**

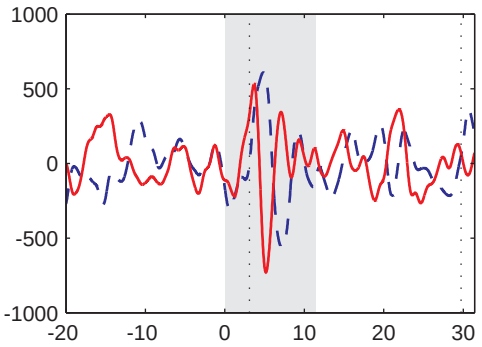
Rotation Correlation:	43<	48° <	57	0.4<0.6s<0.7
Minimum Energy:	21<	27° <	33	0.8<0.9s<1.2
Eigenvalue:	23<	29° <	35	0.7<0.9s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





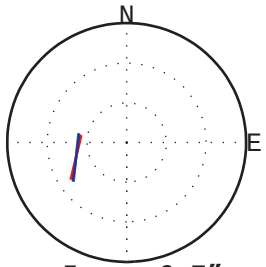




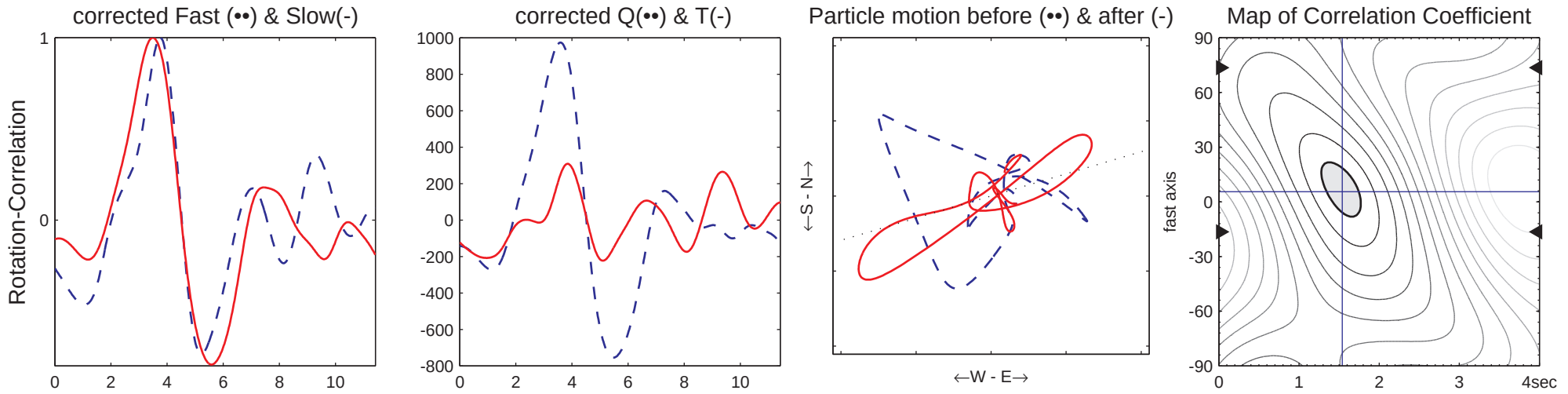
Event: **03-Sep-2008 (247) 11:25 -26.74N -63.23E 569km** Mw=**6.3**
Station: **SARI** Backazimuth: **253.6”** Distance: **113.37”**
init.Pol.: **63.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

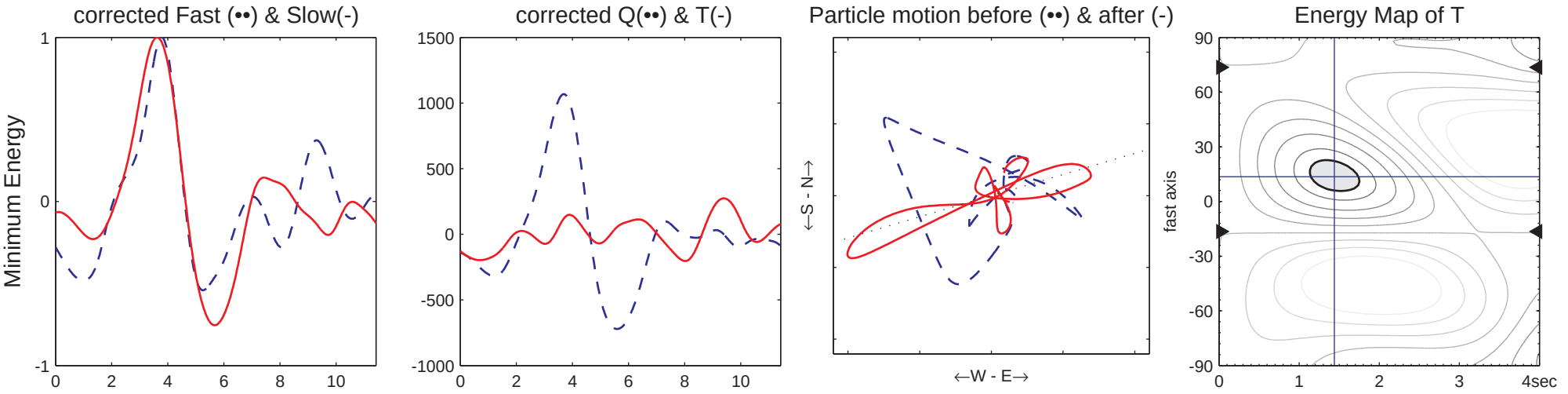
Rotation Correlation:	-9<	6° <	22	1.3<1.5s<1.8
Minimum Energy:	5<	14° <	23	1.1<1.4s<1.8
Eigenvalue:	-13<	8° <	25	1.2<1.5s<1.8

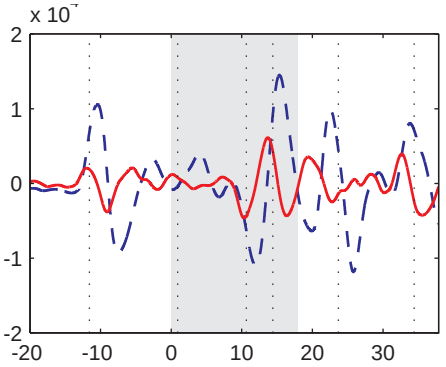
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.7”**



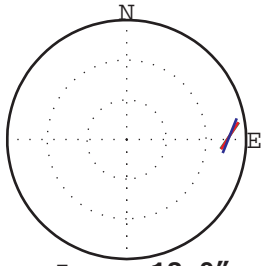




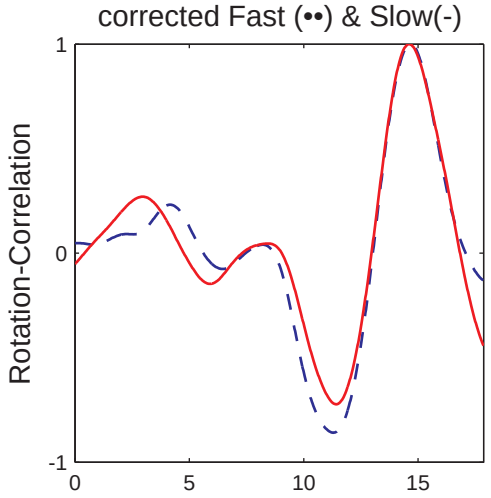
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km** Mw=**6.6**
Station: **SARI** Backazimuth: **87.9”** Distance: **89.57”**
init.Pol.: **262.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.8**

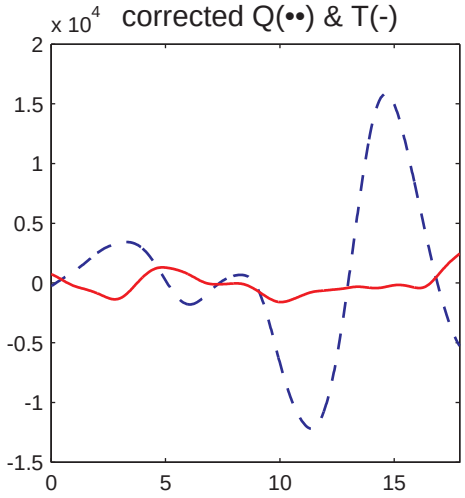
Rotation Correlation:	21<	35° <	54	0.8<1.0s<1.3
Minimum Energy:	21<	32° <	46	0.8<1.0s<1.3
Eigenvalue:	9<	22° <	41	0.8<1.2s<1.5

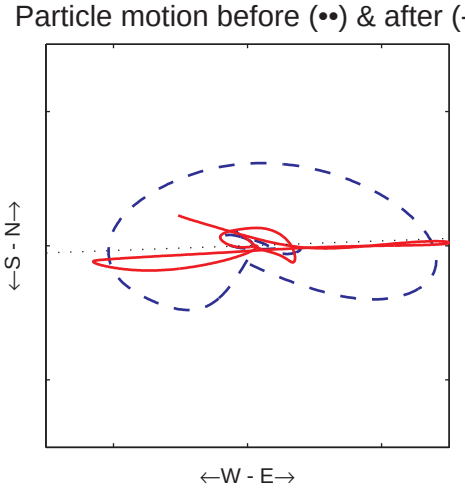
Quality: **fair** IsNull: **No** Phase: **SKKS**

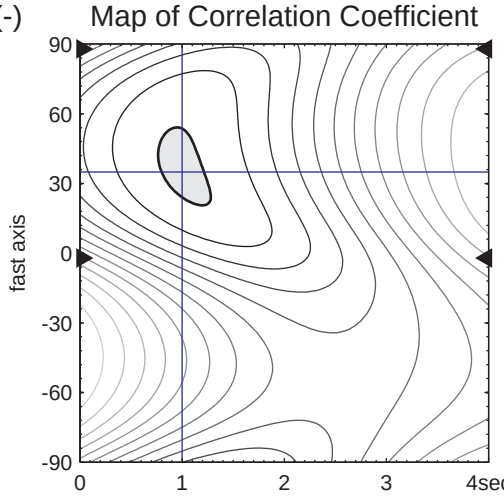


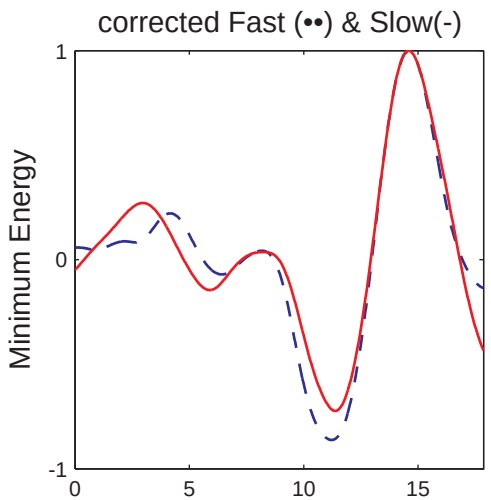
Inc = **13.0”**

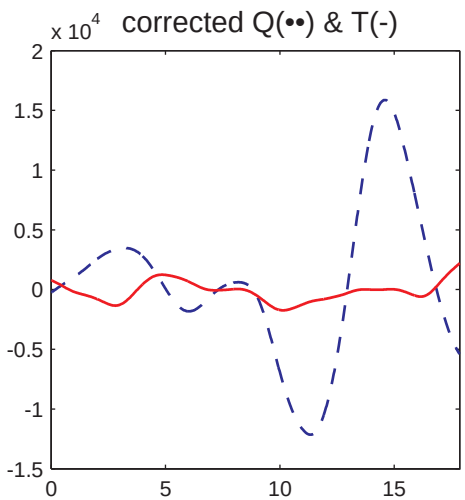


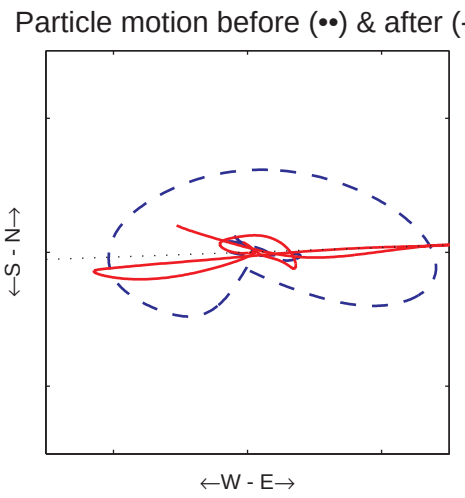


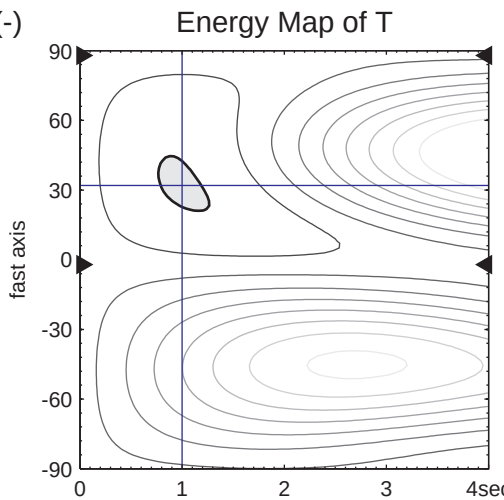


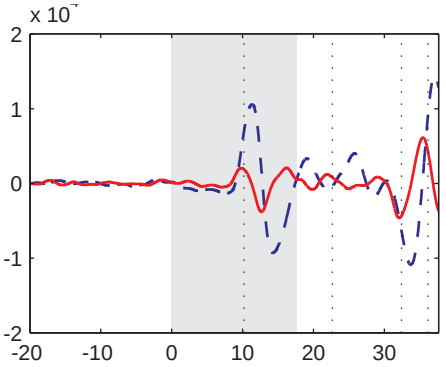








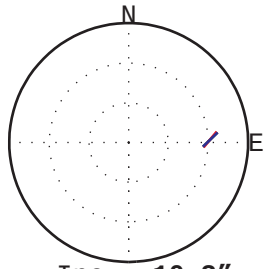


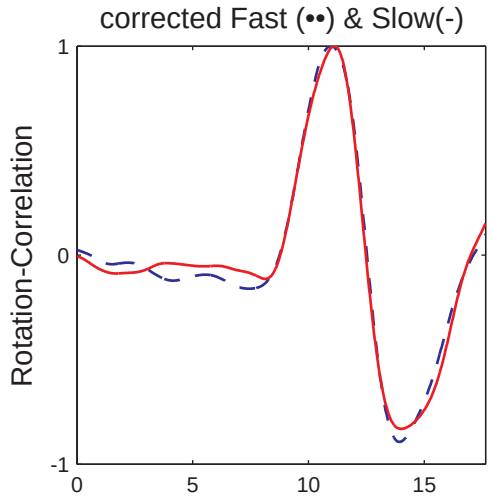


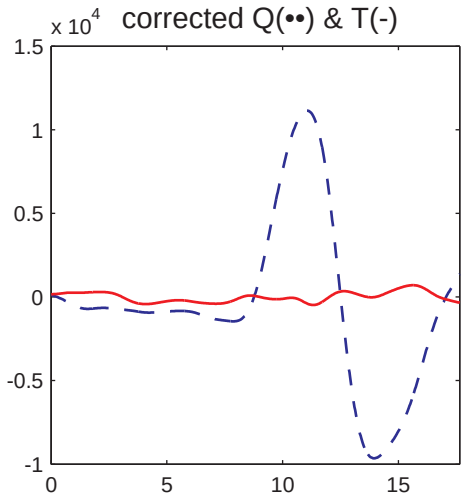
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **SARI** Backazimuth: **87.9”** Distance: **89.57”**
init.Pol.: **269.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**19.9**

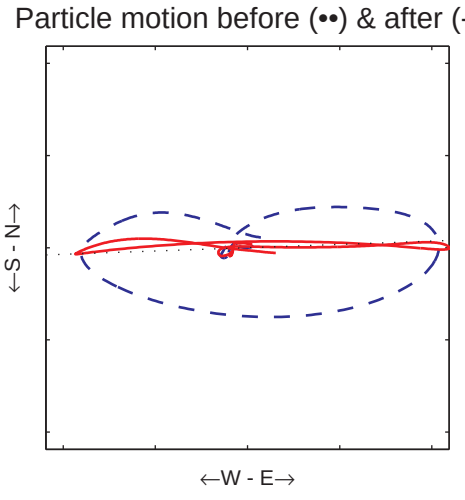
Rotation Correlation:	32<	46° <	61	0.6<0.6s<0.8
Minimum Energy:	27<	40° <	50	0.6<0.6s<0.8
Eigenvalue:	29<	46° <	62	0.6<0.6s<0.8

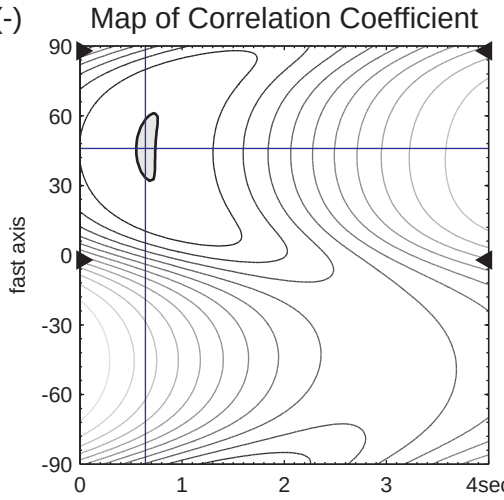
Quality: **good** IsNull: **No** Phase: **SKS**

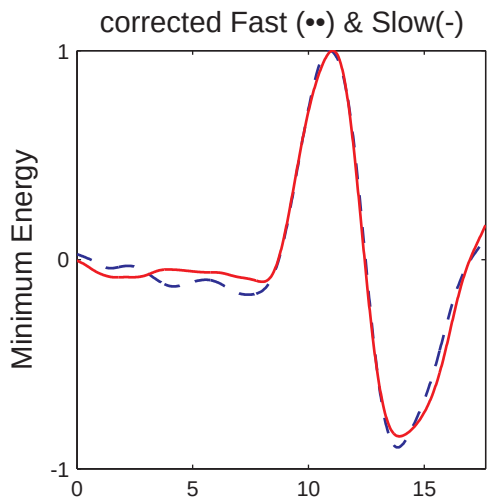


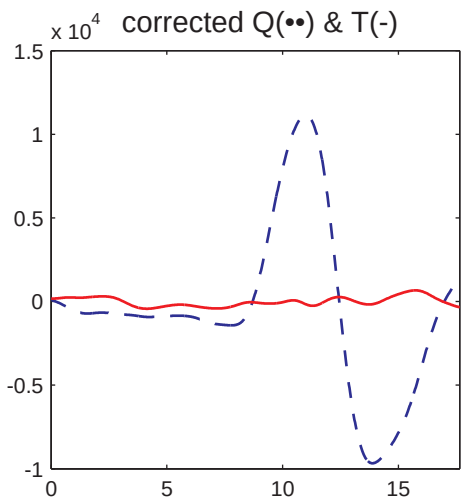


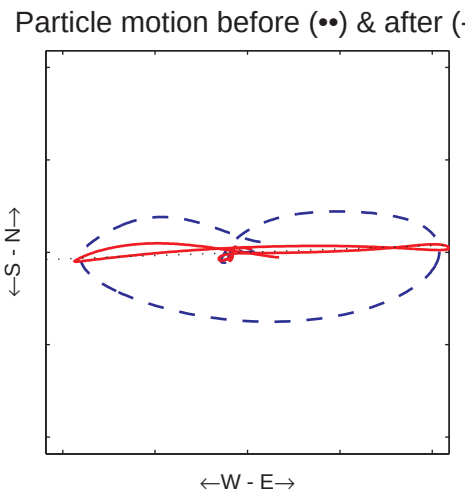


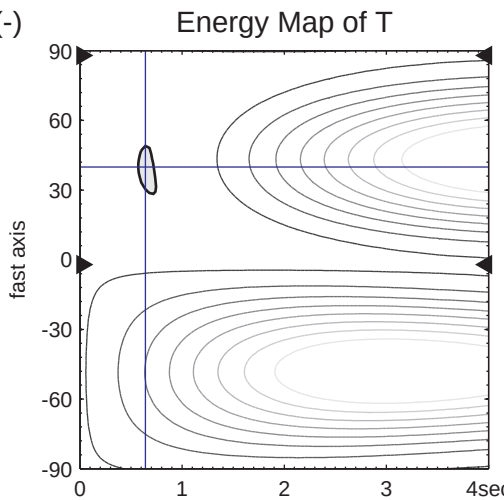


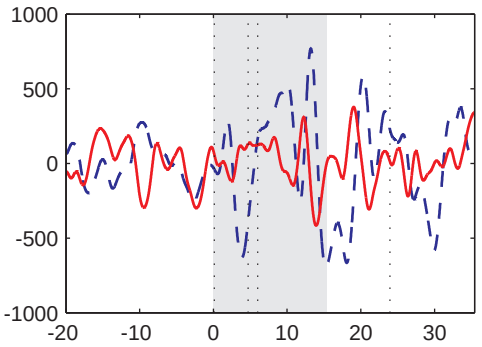








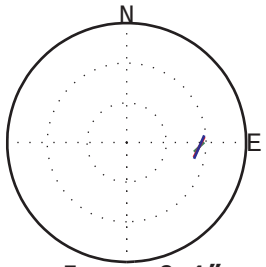




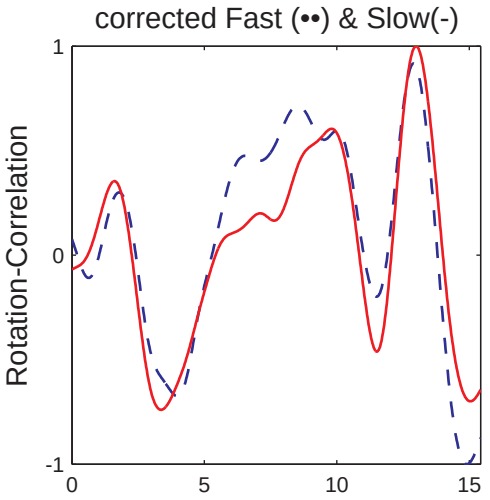
Event: **07-Nov-2008 (312) 16:04 -6.71N 129.07E 10km Mw=6.2**
Station: **SARI** Backazimuth: **93.6”** Distance: **96.24”**
init.Pol.: **270.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.1**

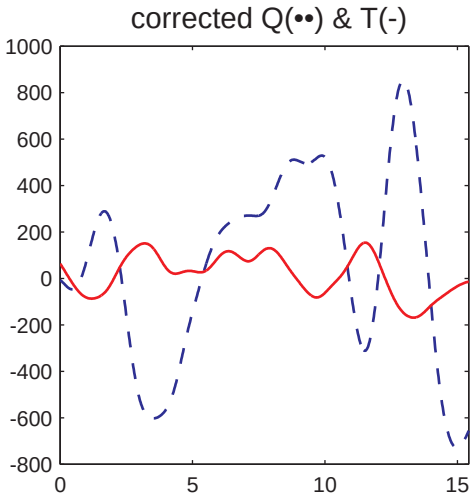
Rotation Correlation:	34<	48° <	64	0.3<0.4s<0.6
Minimum Energy:	19<	28° <	41	0.5<0.7s<1.0
Eigenvalue:	11<	24° <	43	0.5<0.8s<1.2

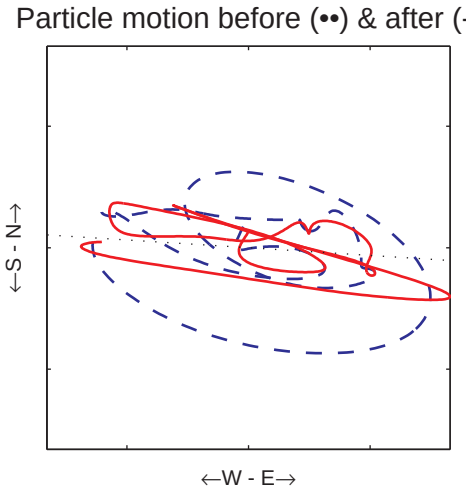
Quality: **fair** IsNull: **No** Phase: **SKS**

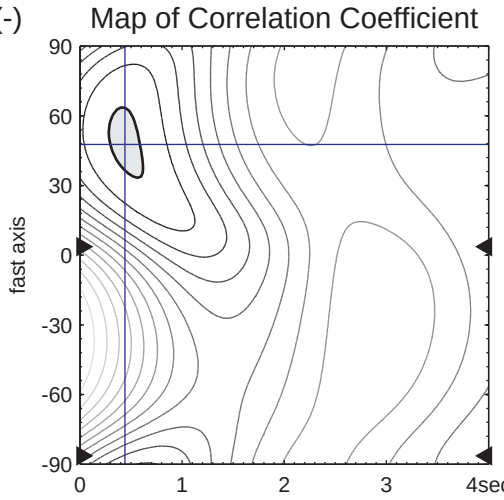


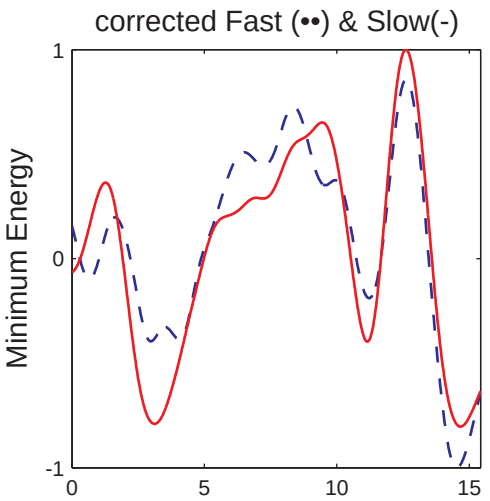
Inc = **9.1”**

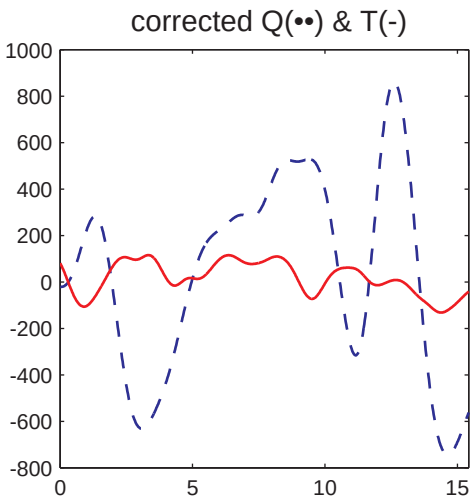


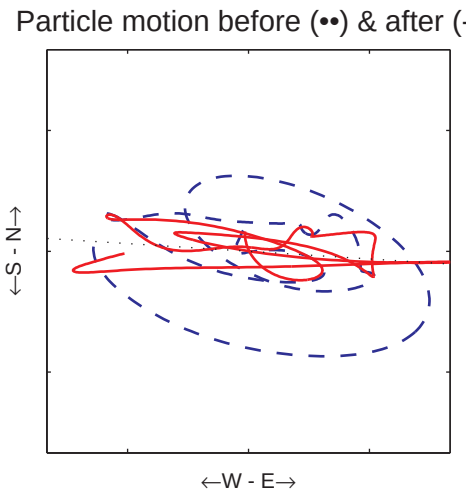


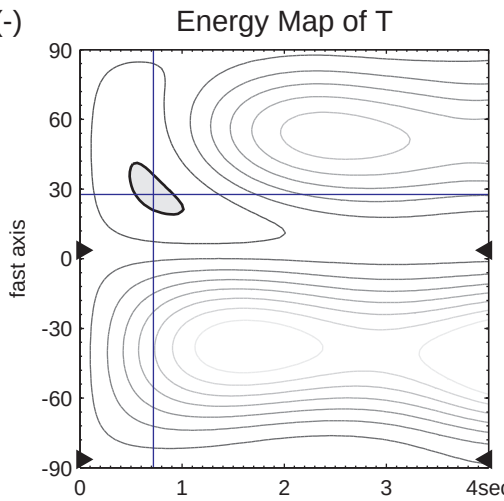


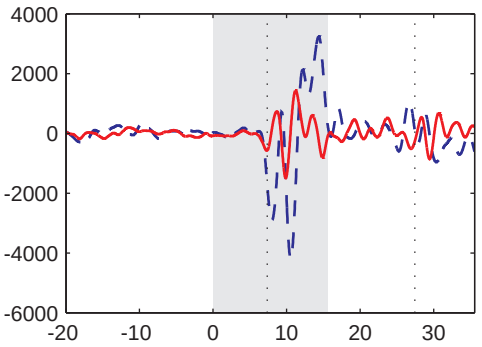








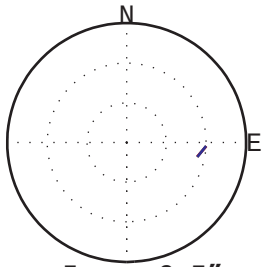


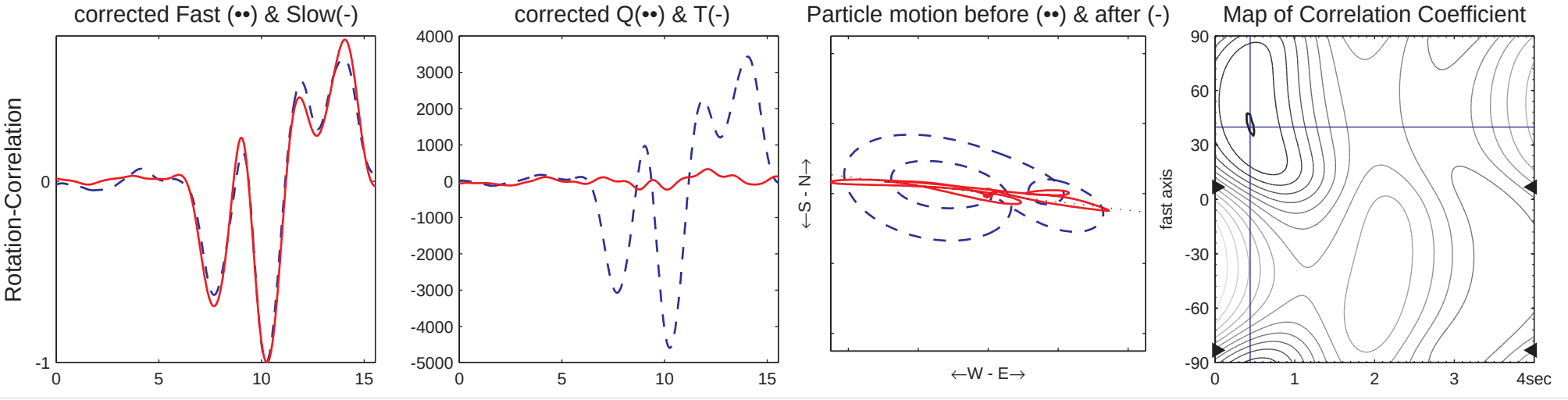


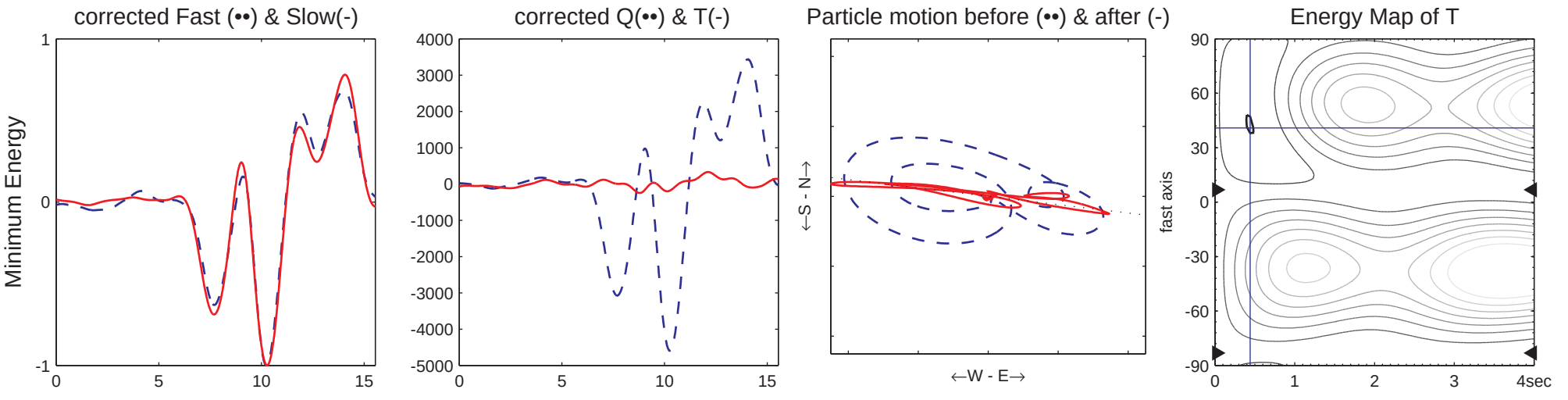
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **SARI** Backazimuth: **96.8”** Distance: **93.28”**
init.Pol.: **275.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**20.3**

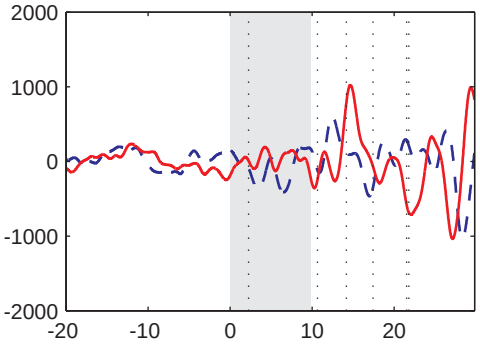
Rotation Correlation:	35<	40° <	48	0.4<0.4s<0.5
Minimum Energy:	37<	41° <	48	0.4<0.4s<0.5
Eigenvalue:	33<	39° <	46	0.4<0.4s<0.5

Quality: **good** IsNull: **No** Phase: **SKS**





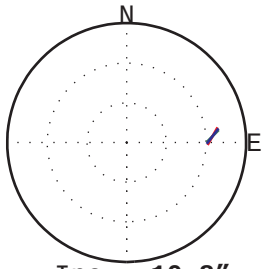




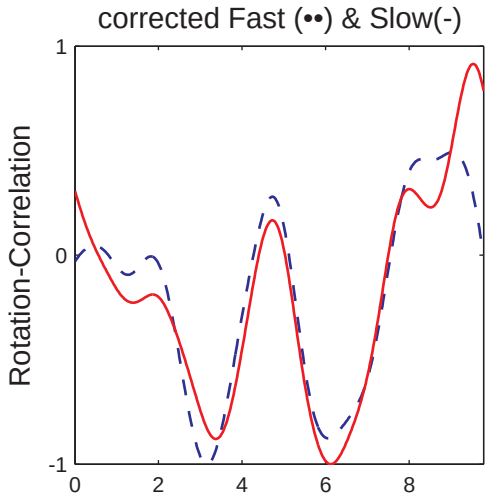
Event: **14-Jun-2009 (165) 05:58 5.36N 126.44E 35km Mw=6.1**
Station: **SARI** Backazimuth: **85.8”** Distance: **86.69”**
init.Pol.: **272.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

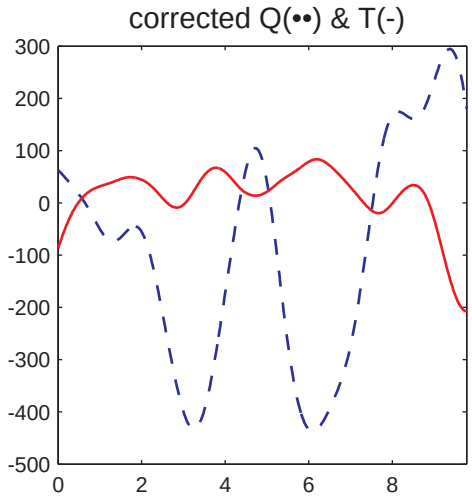
Rotation Correlation:	36<	45° <	58	0.4<0.5s<0.6
Minimum Energy:	17<	30° <	41	0.4<0.6s<0.8
Eigenvalue:	23<	38° <	56	0.4<0.6s<0.8

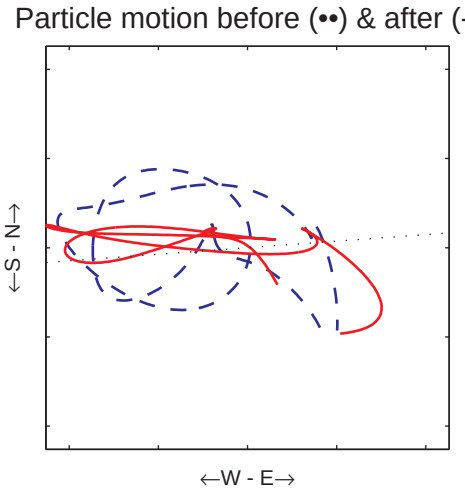
Quality: **fair** IsNull: **No** Phase: **SKS**

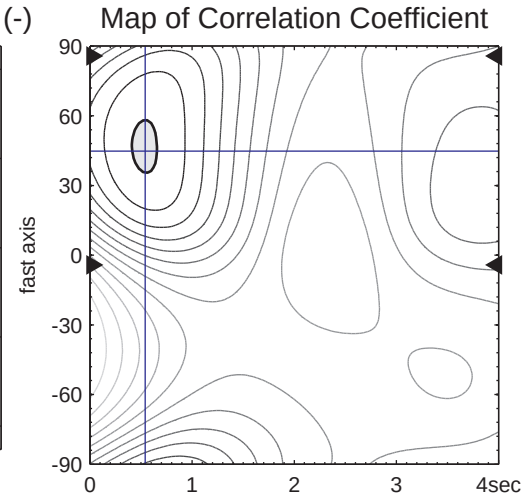


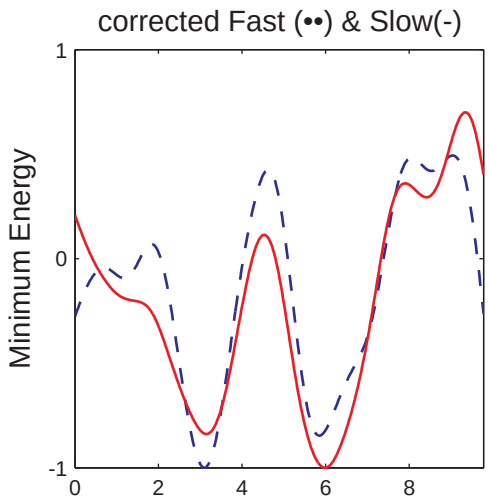
Inc = **10.8”**

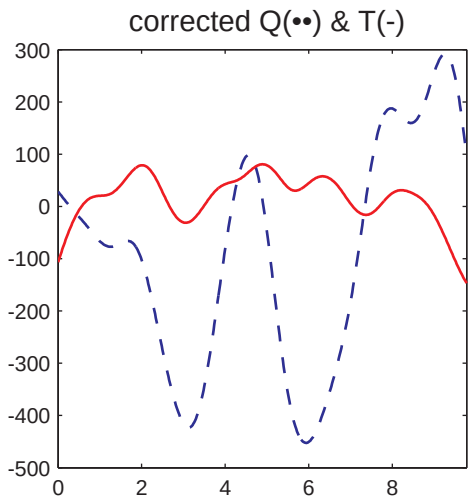


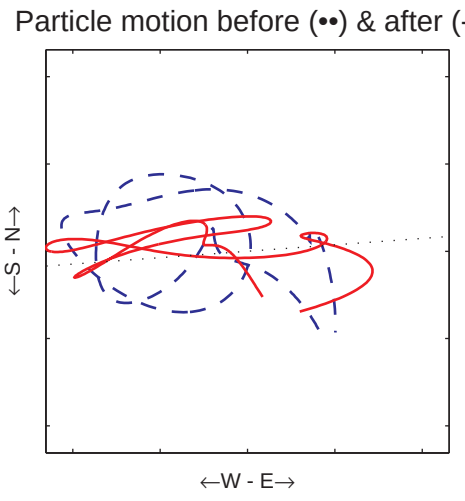


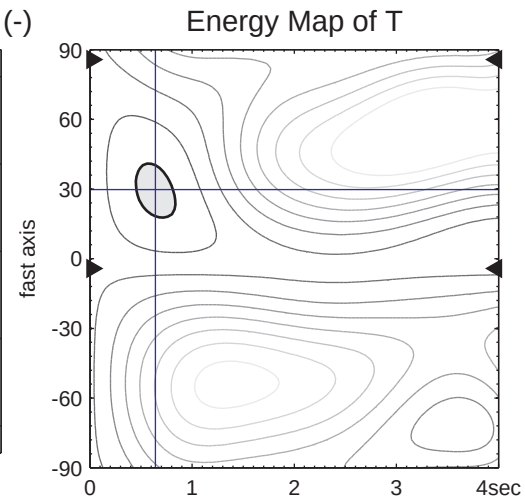


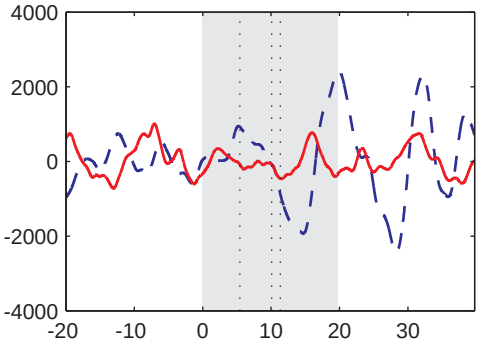








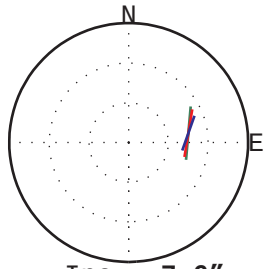


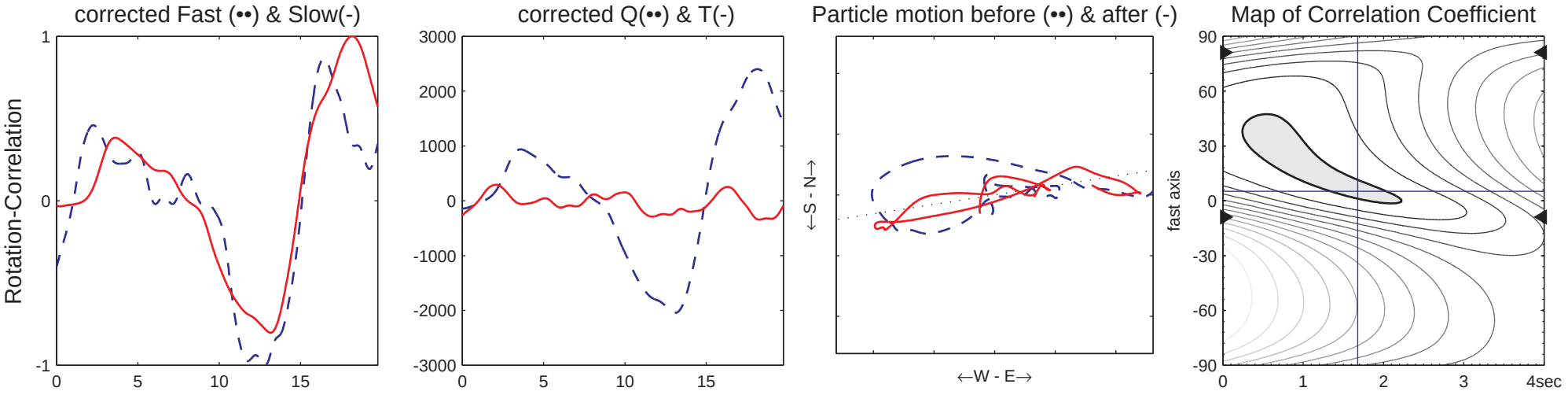


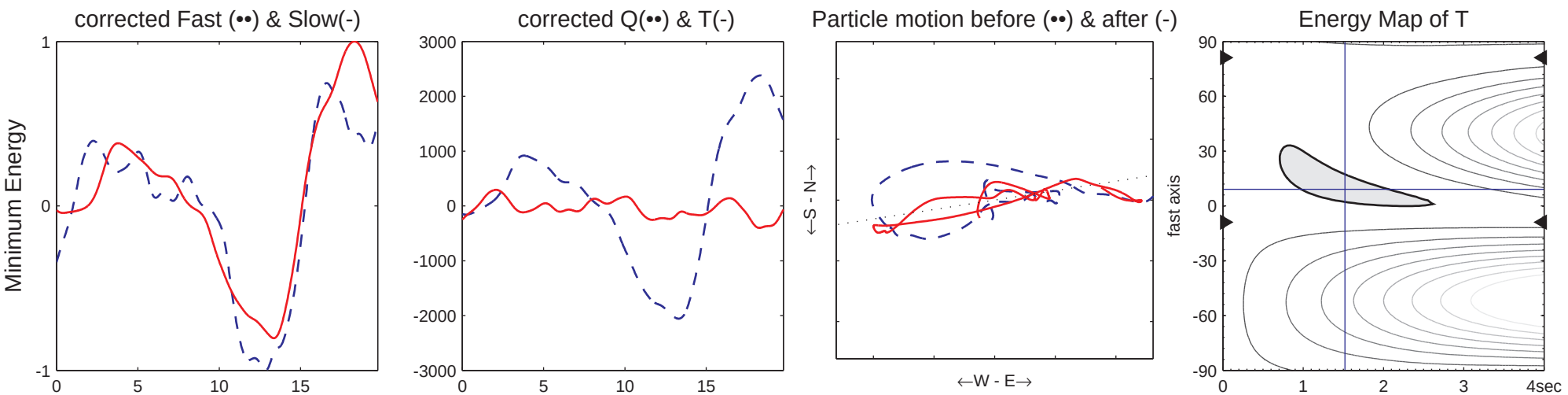
Event: **31-Jul-2011 (212) 23:38 -3.52N 144.83E 10km Mw=6.6**
Station: **SARI** Backazimuth: **81.1”** Distance: **106.57”**
init.Pol.: **263.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.3**

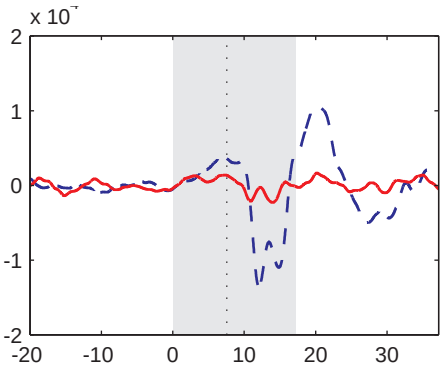
Rotation Correlation:	-2<	5° <	48	0.2<1.7s<2.2
Minimum Energy:	-1<	9° <	33	0.7<1.5s<2.6
Eigenvalue:	-3<	19° <	60	0.6<1.2s<2.7

Quality: **fair** IsNull: **No** Phase: **SKS**





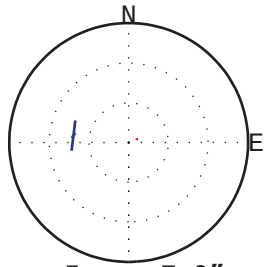


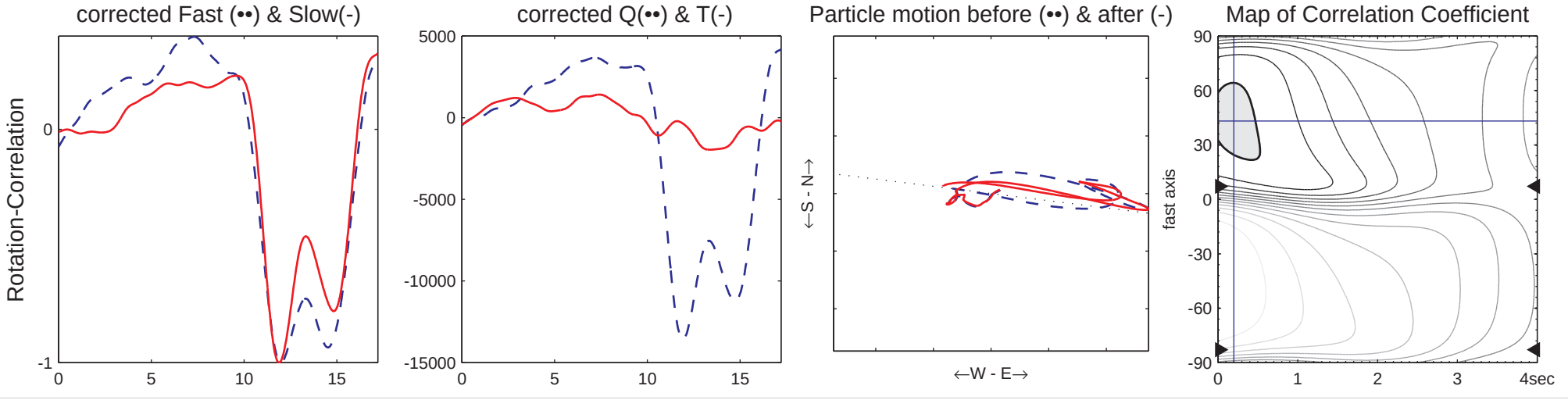


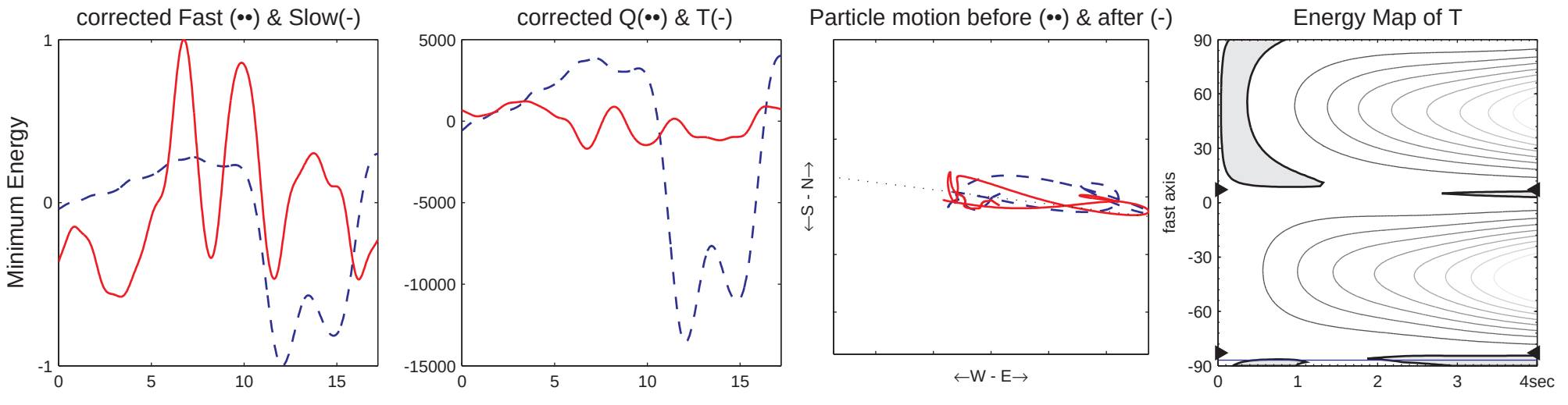
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **SARI** Backazimuth: **277.1”** Distance: **111.11”**
init.Pol.: **87.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.8**

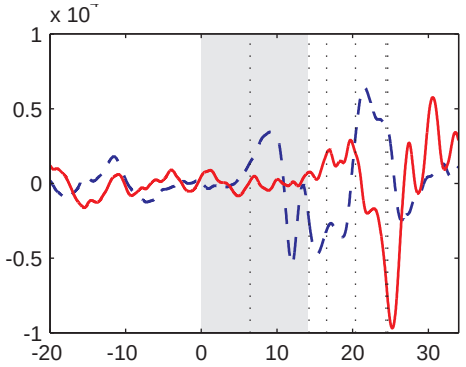
Rotation Correlation:	22<	43° <	64	0.0<0.2s<0.5
Minimum Energy:	-92<	-87° <	-86	1.9<4.0s<4.0
Eigenvalue:	1<	7° <	21	0.4<1.0s<1.6

Quality: **good** IsNull: **Yes** Phase: **SKS**





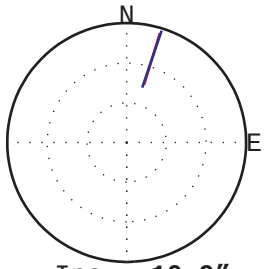




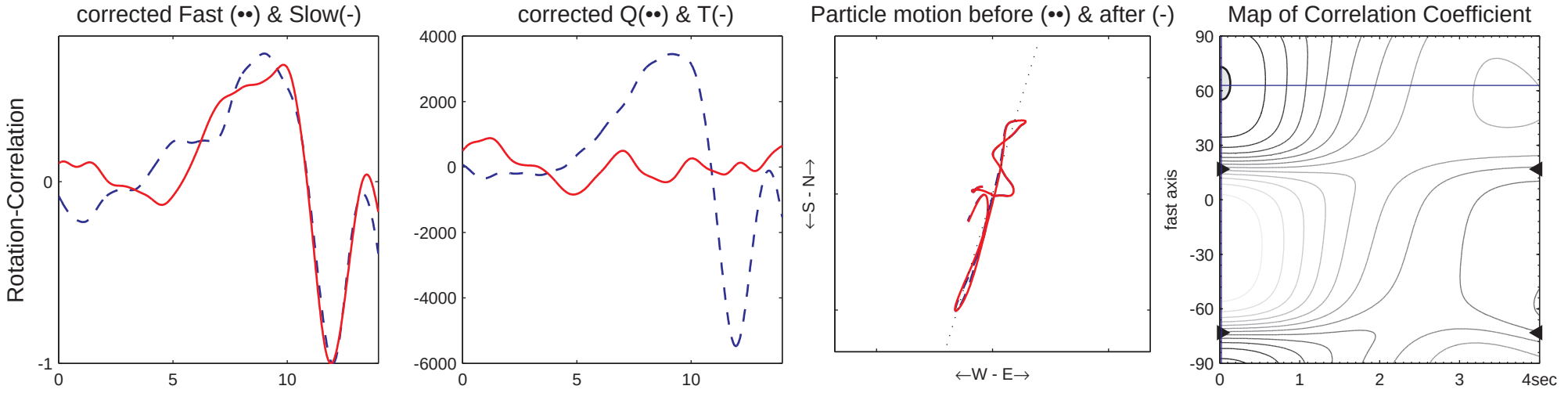
Event: **02-Sep-2011 (245) 10:55 52.17N -171.71E 32km Mw=6.9**
Station: **SARI** Backazimuth: **16.8”** Distance: **86.17”**
init.Pol.: **202.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.0**

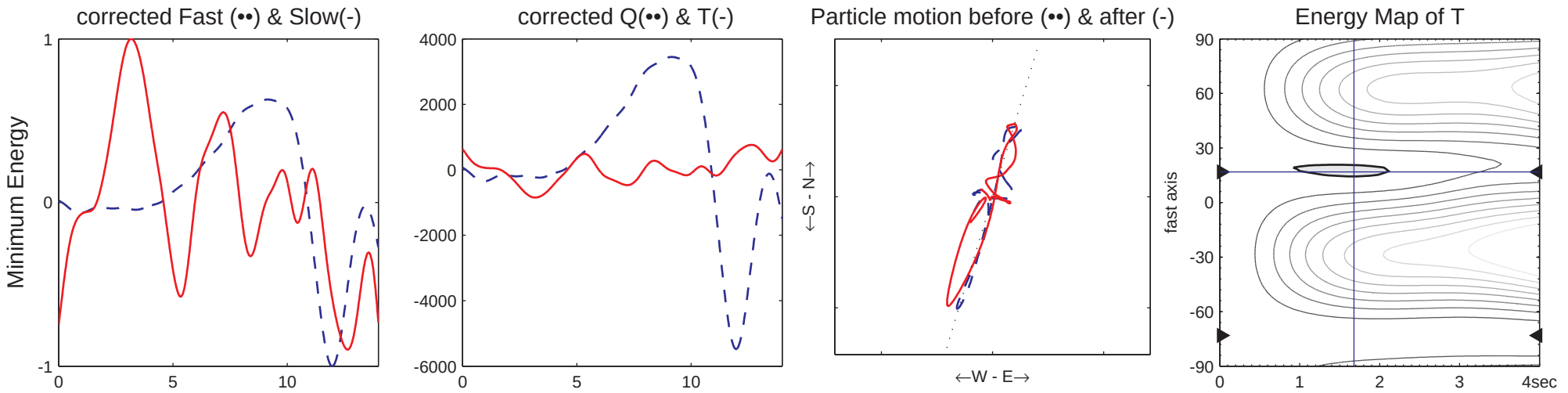
Rotation Correlation:	55<	63° <	73	0.0<0.0s<0.1
Minimum Energy:	15<	17° <	21	0.9<1.7s<2.1
Eigenvalue:	17<	19° <	23	1.4<1.9s<2.2

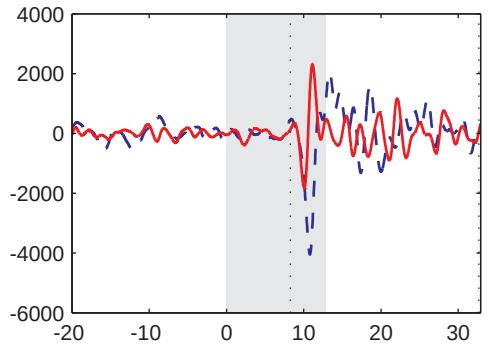
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.9”**



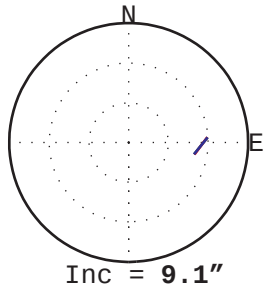


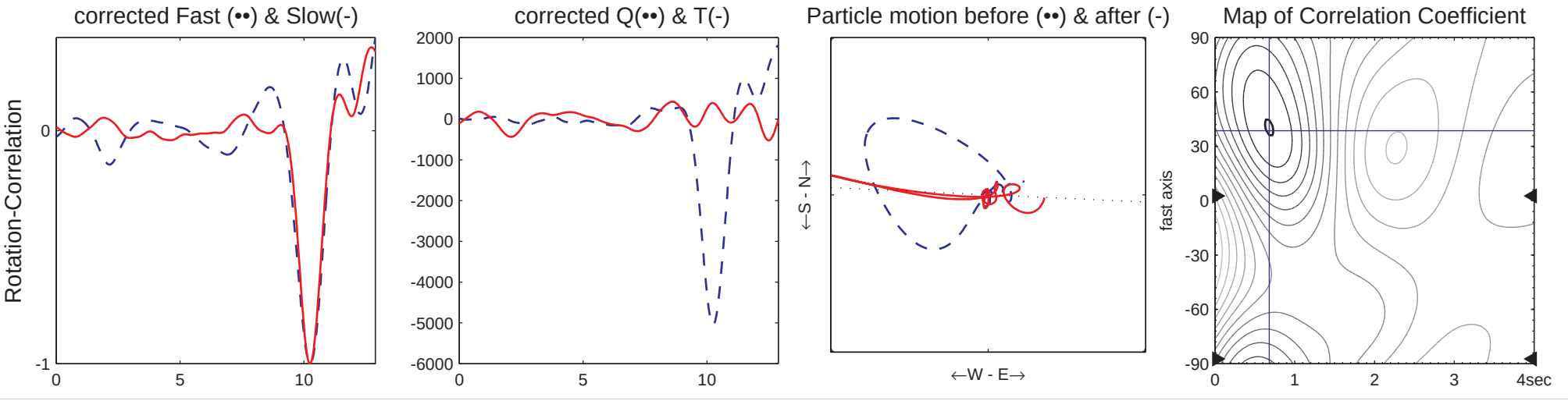


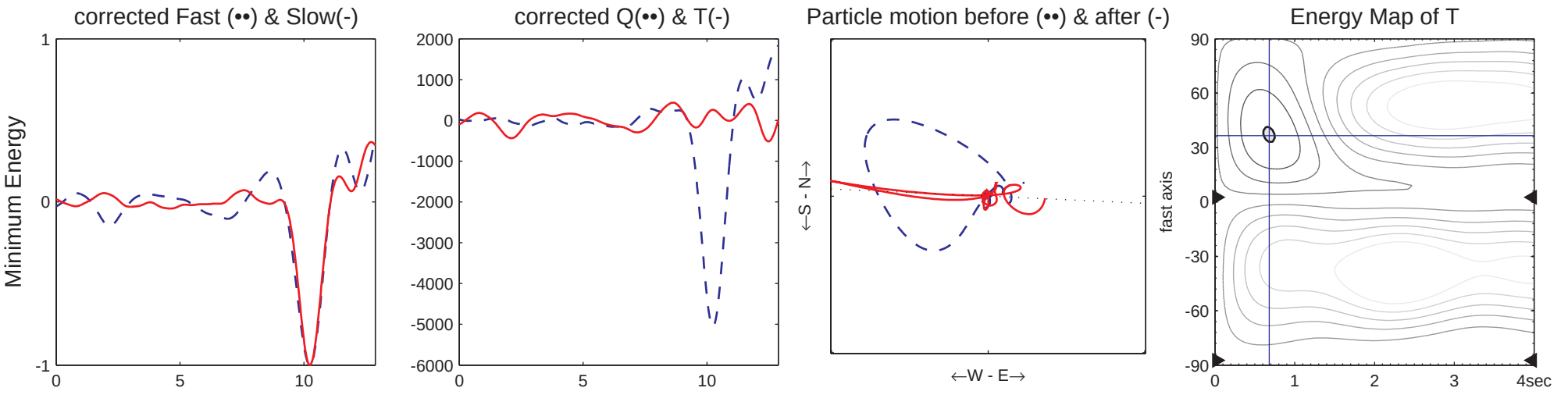
Event: **04-Aug-2008 (217) 20:45 -5.92N 130.19E 173km Mw=6.3**
Station: **SCER** Backazimuth: **92.6”** Distance: **96.14”**
init.Pol.: **275.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.7**

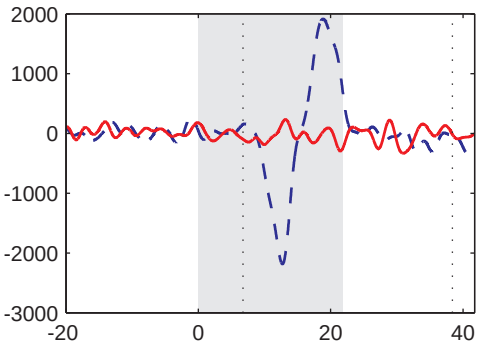
Rotation Correlation:	36<	39° <	45	0.6<0.7s<0.7
Minimum Energy:	33<	37° <	41	0.6<0.7s<0.8
Eigenvalue:	33<	39° <	48	0.6<0.7s<0.7

Quality: **good** IsNull: **No** Phase: **SKS**





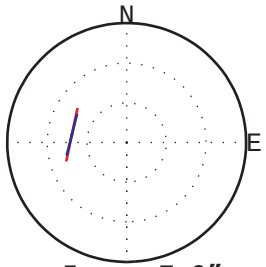




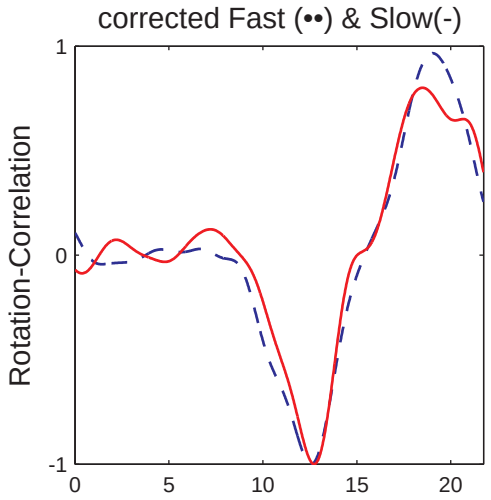
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **SCER** Backazimuth: **278.1”** Distance: **111.35”**
init.Pol.: **99.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.1**

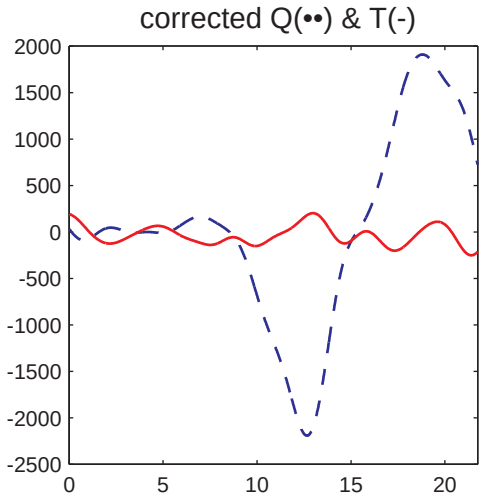
Rotation Correlation:	47<	54° <	63	0.0<0.1s<0.2
Minimum Energy:	11<	12° <	19	0.7<1.7s<3.8
Eigenvalue:	11<	14° <	23	0.4<1.4s<2.6

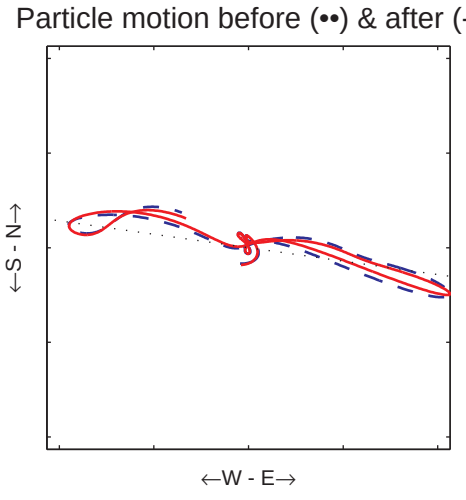
Quality: **good** IsNull: **Yes** Phase: **SKS**

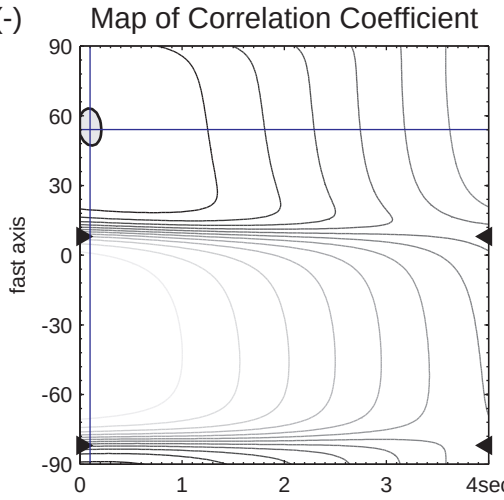


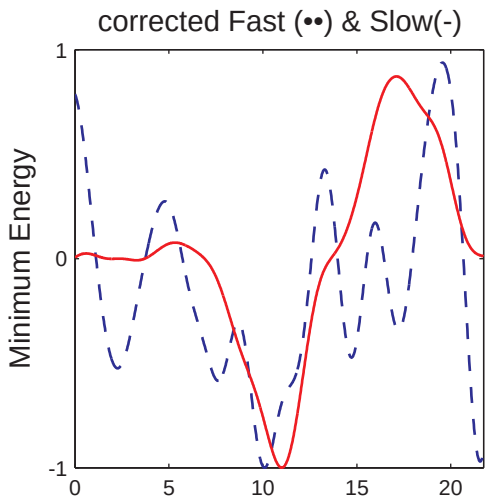
Inc = **7.0”**

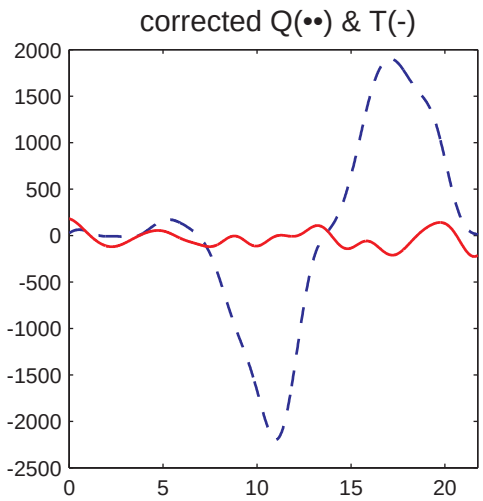


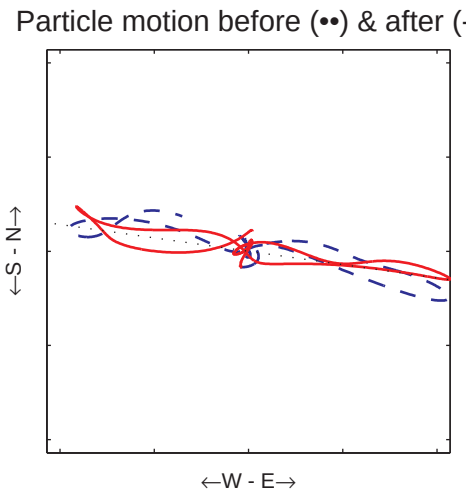


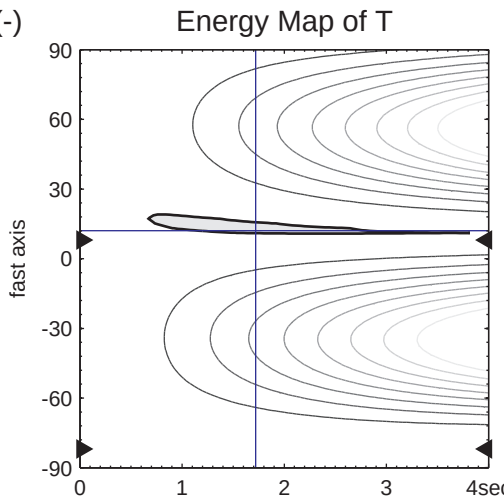


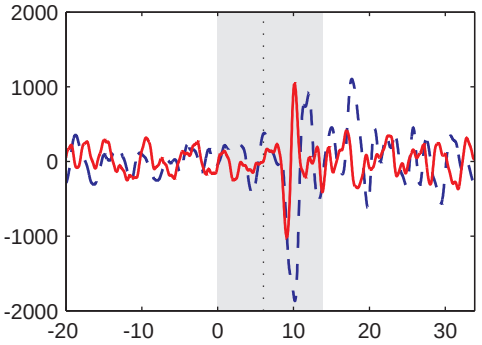








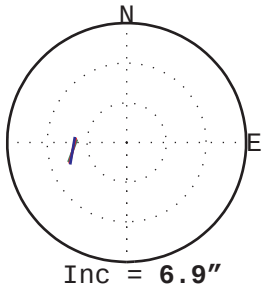


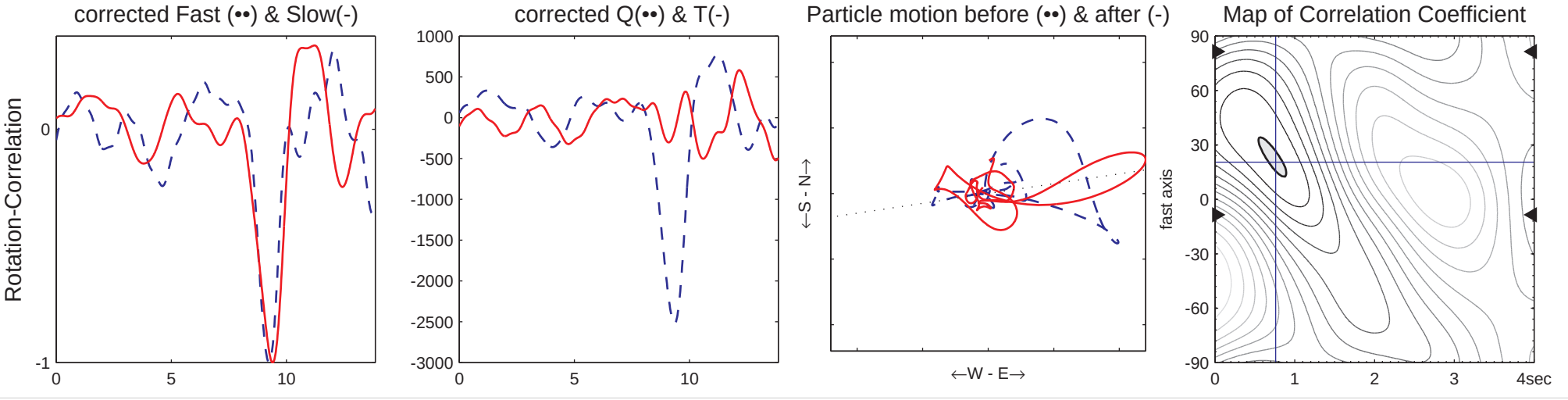


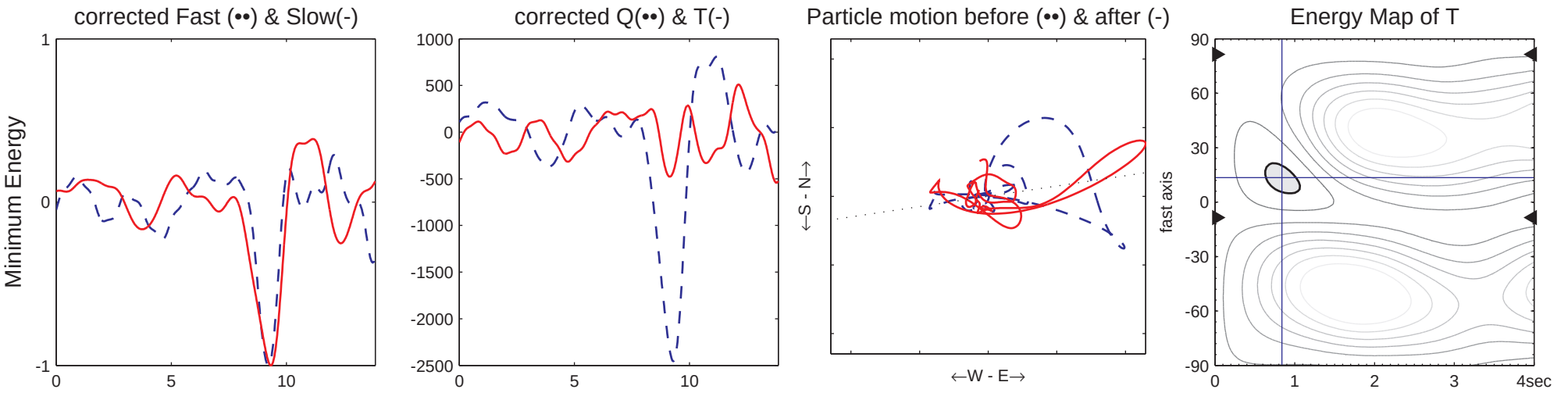
Event: **12-Oct-2008 (286) 20:55 -20.12N -64.97E 352km** Mw=**6.2**
Station: **SCER** Backazimuth: **261.5”** Distance: **111.81”**
init.Pol.: **77.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.6**

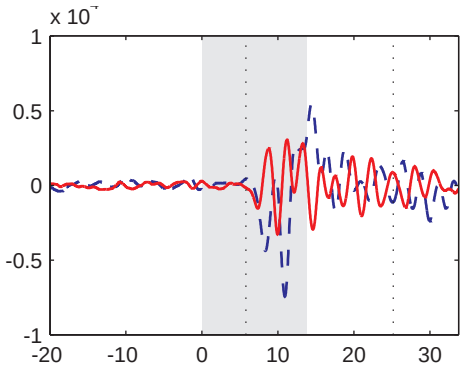
Rotation Correlation:	13<	20° <	35	0.6<0.8s<0.9
Minimum Energy:	5<	13° <	21	0.6<0.8s<1.1
Eigenvalue:	-1<	9° <	21	0.7<0.9s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





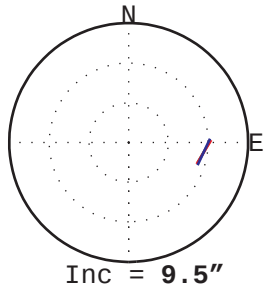


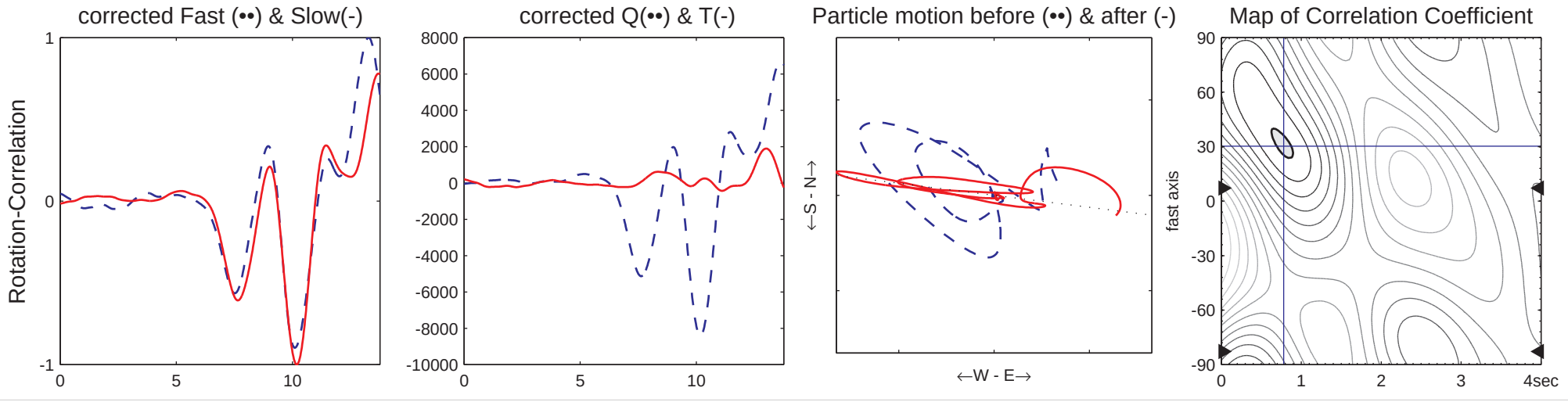


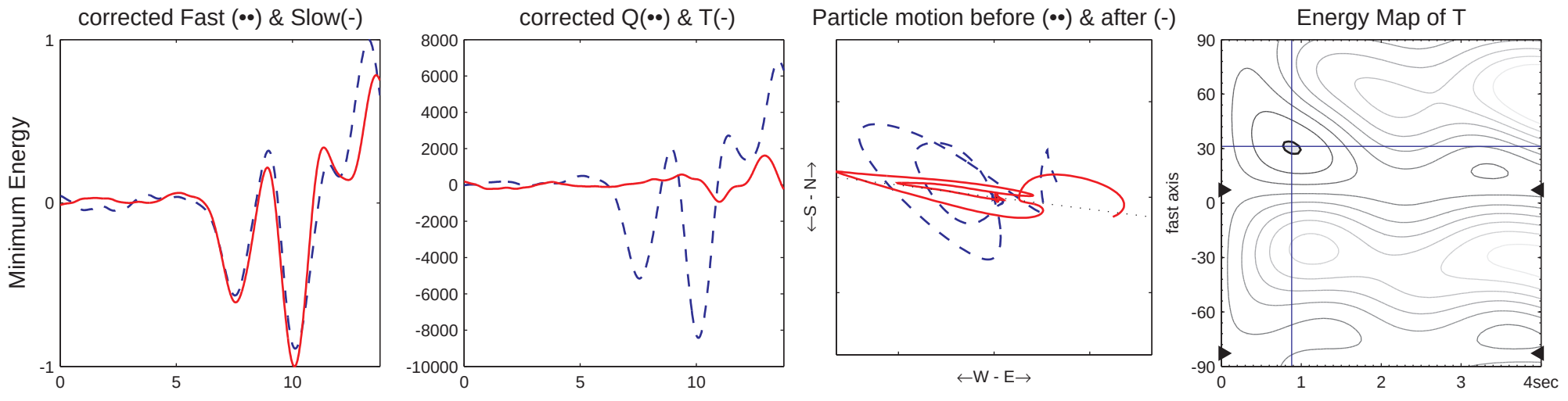
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **SCER** Backazimuth: **97.2”** Distance: **92.91”**
init.Pol.: **270.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.6**

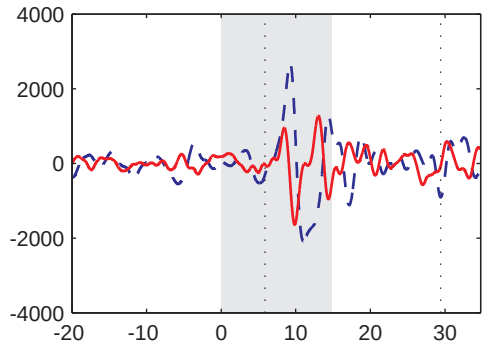
Rotation Correlation:	24<	30° <	40	0.6<0.8s<0.9
Minimum Energy:	27<	31° <	33	0.8<0.9s<1.0
Eigenvalue:	21<	25° <	29	0.8<0.9s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





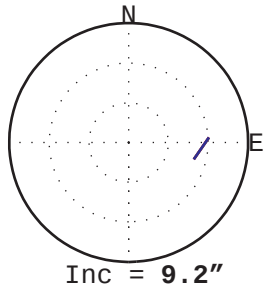


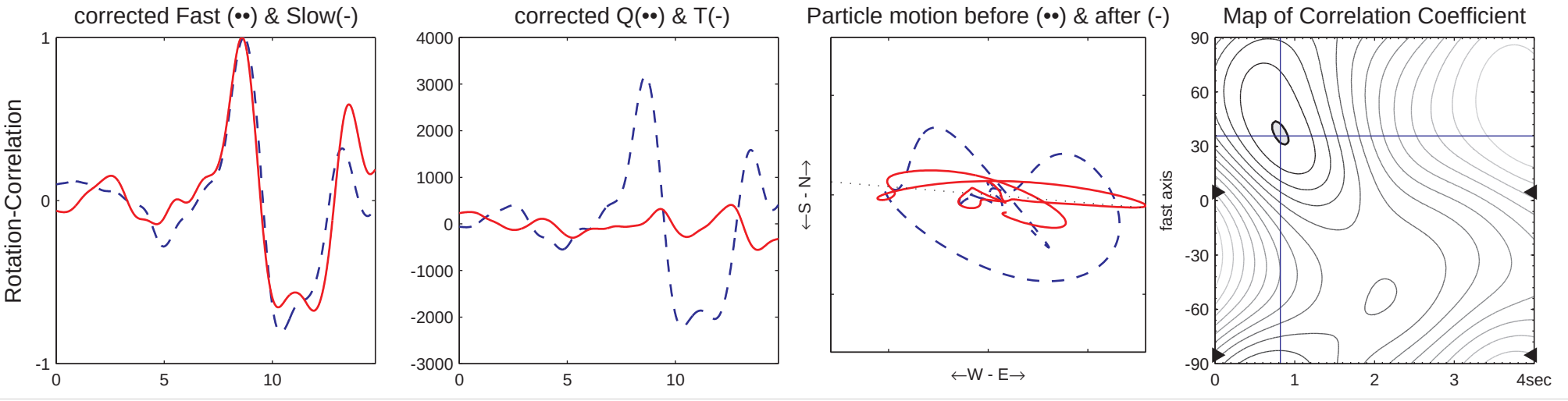


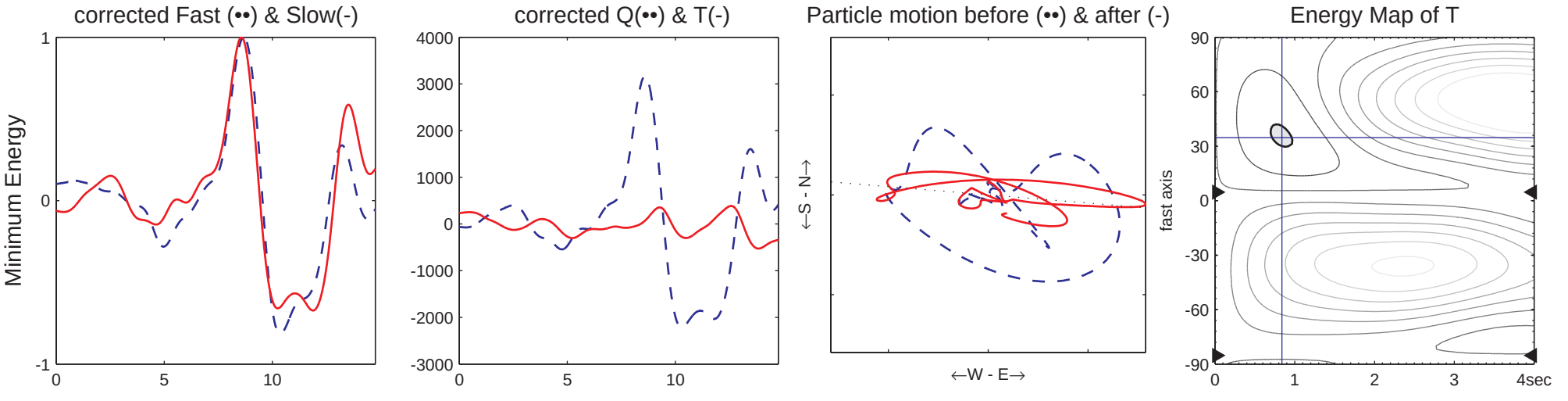
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **SCER** Backazimuth: **94.7”** Distance: **95.78”**
init.Pol.: **274.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.3**

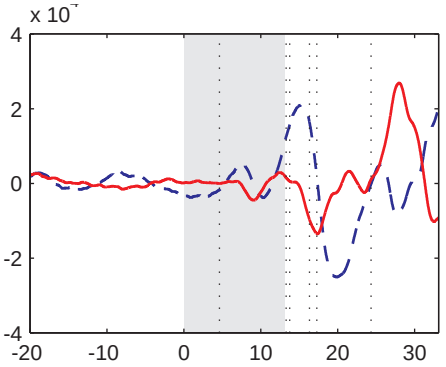
Rotation Correlation:	31<	36° <	44	0.7<0.8s<0.9
Minimum Energy:	29<	35° <	41	0.7<0.8s<1.0
Eigenvalue:	27<	35° <	46	0.7<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





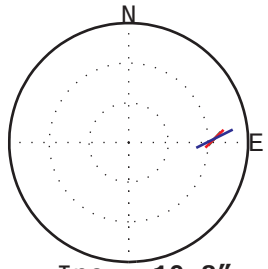




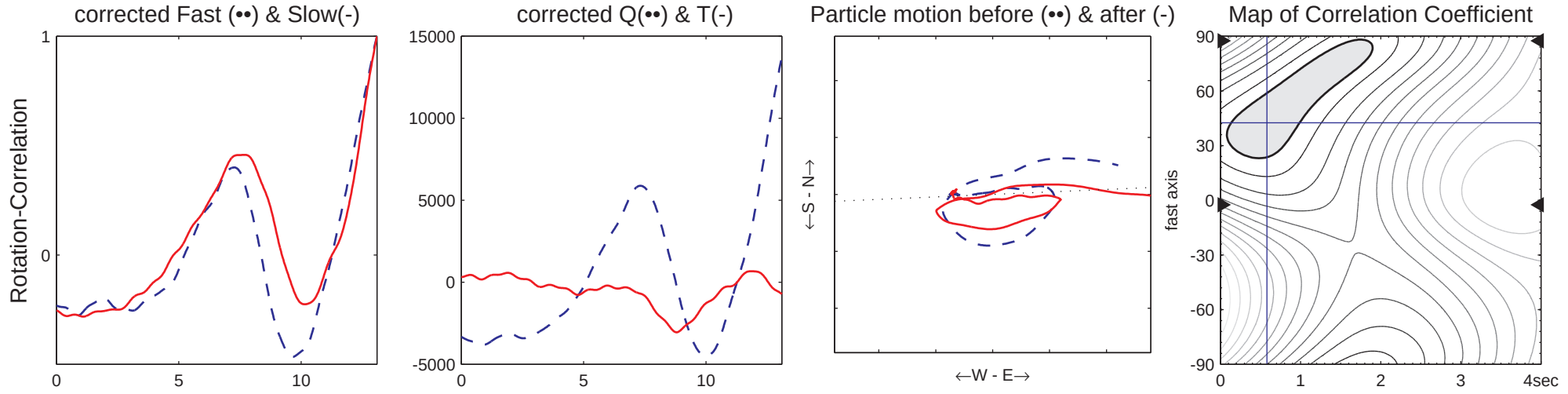
Event: **11-Feb-2009 (042) 17:34 3.89N 126.39E 20km Mw=7.2**
Station: **SCER** Backazimuth: **87.5”** Distance: **86.94”**
init.Pol.: **279.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.7**

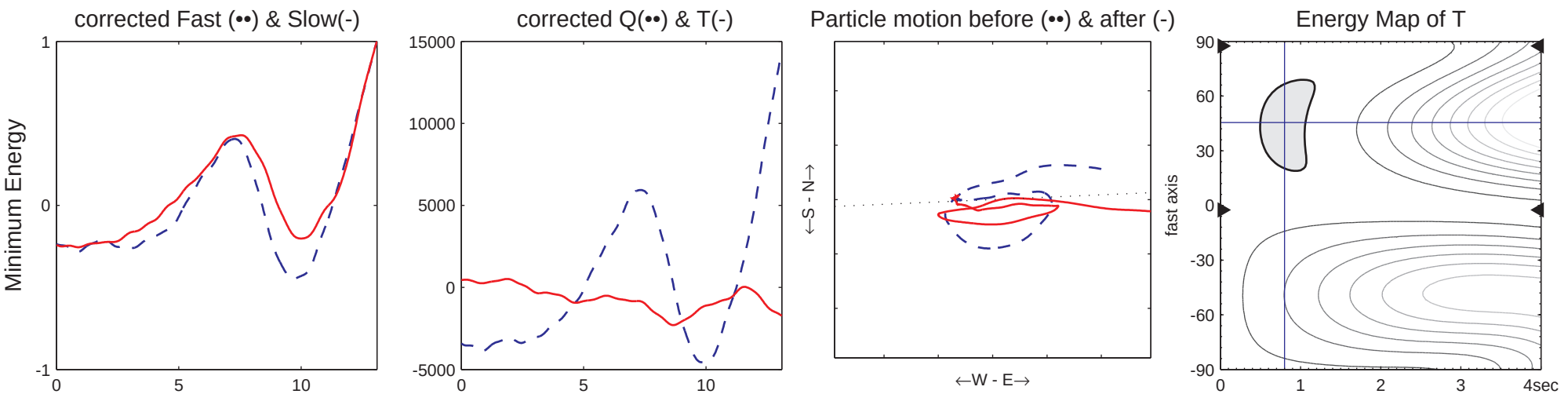
Rotation Correlation:	23<	42° <	88	0.1<0.6s<1.9
Minimum Energy:	19<	45° <	70	0.5<0.8s<1.2
Eigenvalue:	58<	63° <	70	1.1<1.3s<1.5

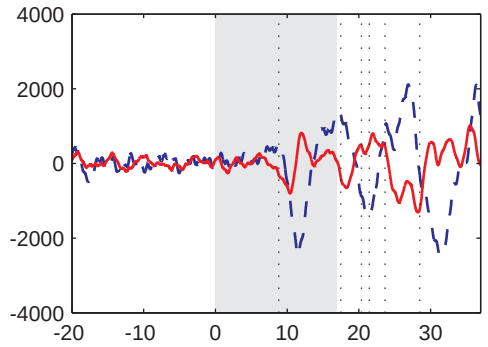
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



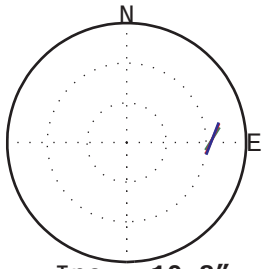




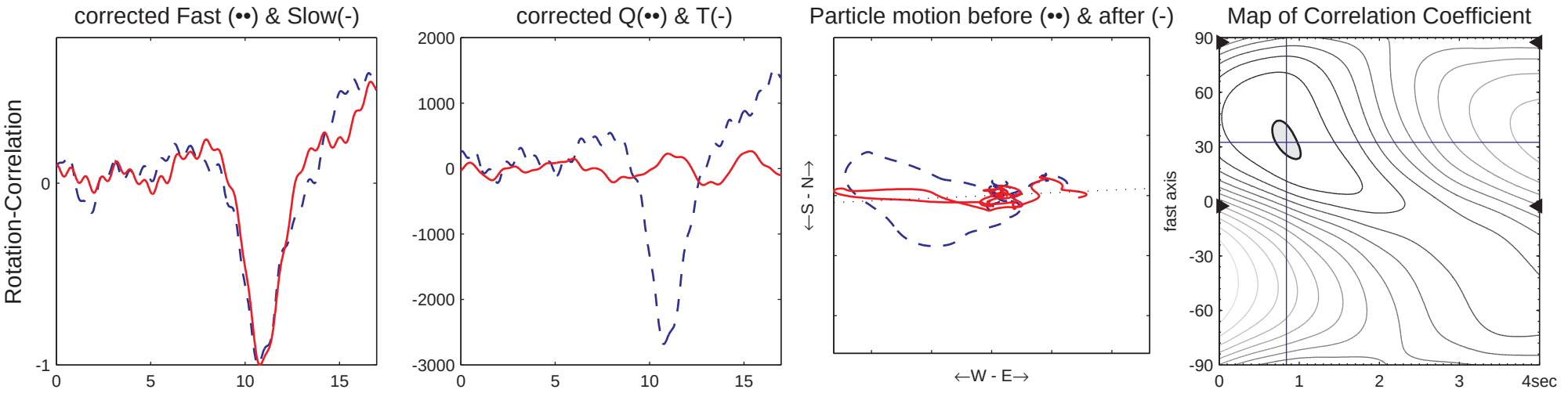
Event: **12-Feb-2009 (043) 03:49 3.95N 126.41E 26km Mw=6.0**
Station: **SCER** Backazimuth: **87.4”** Distance: **86.92”**
init.Pol.: **266.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.4**

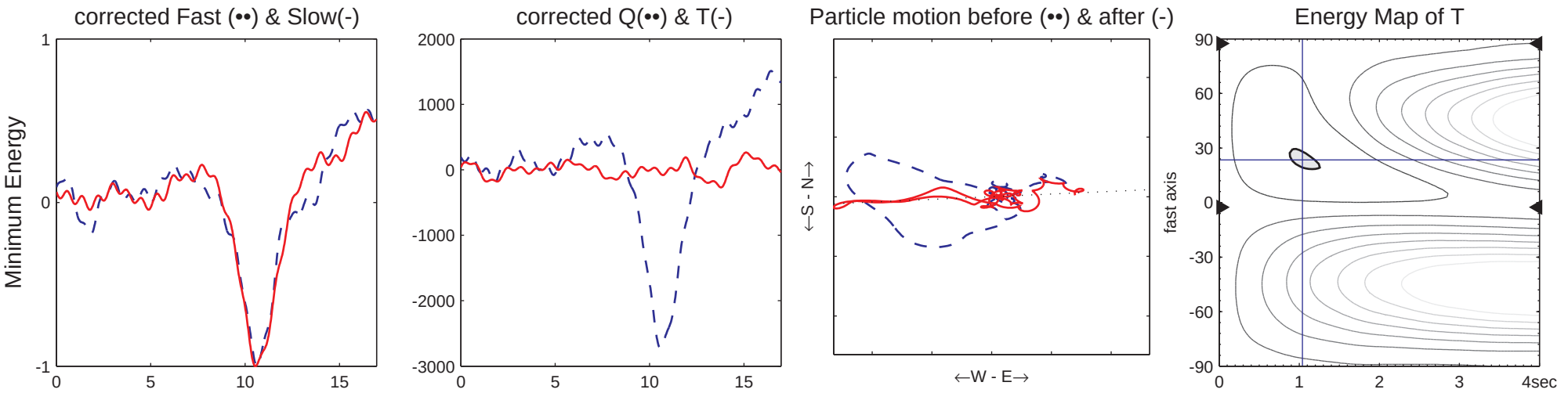
Rotation Correlation:	24<	32° <	45	0.7<0.8s<1.0
Minimum Energy:	19<	23° <	29	0.9<1.0s<1.2
Eigenvalue:	13<	21° <	29	0.9<1.1s<1.4

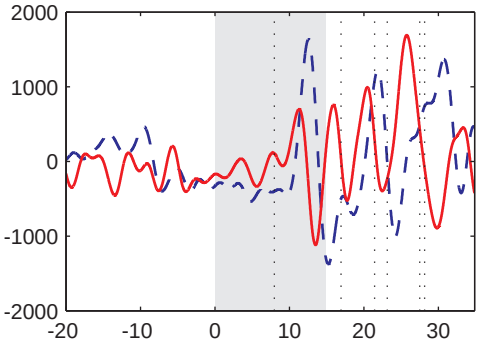
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



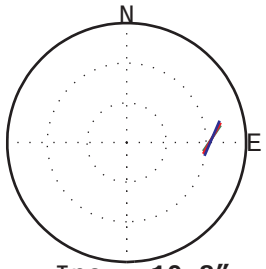




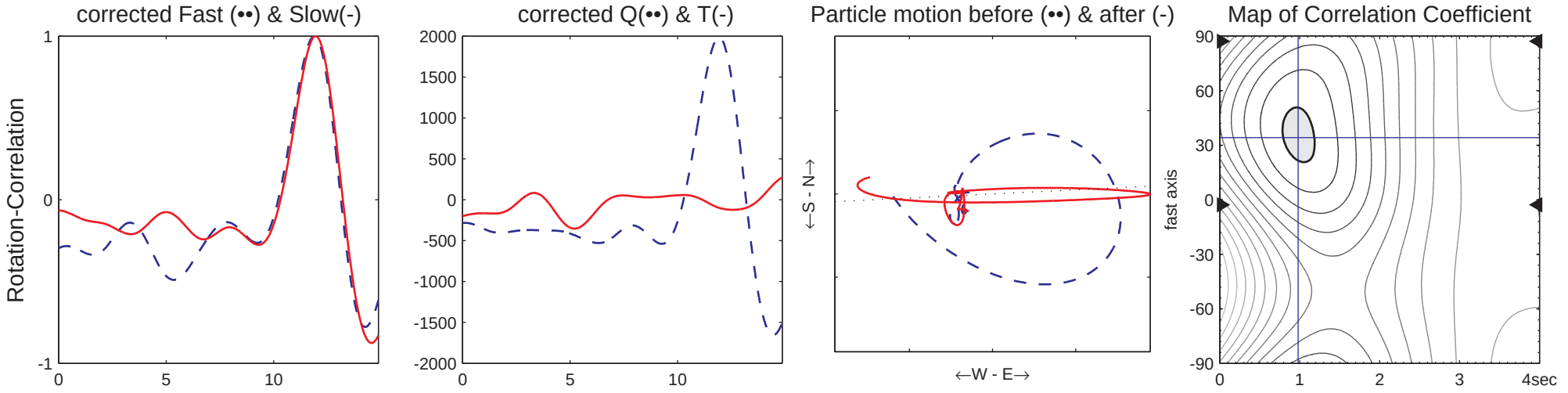
Event: **12-Feb-2009 (043) 08:30 3.97N 126.72E 35km Mw=6.0**
Station: **SCER** Backazimuth: **87.2”** Distance: **87.15”**
init.Pol.: **262.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.5**

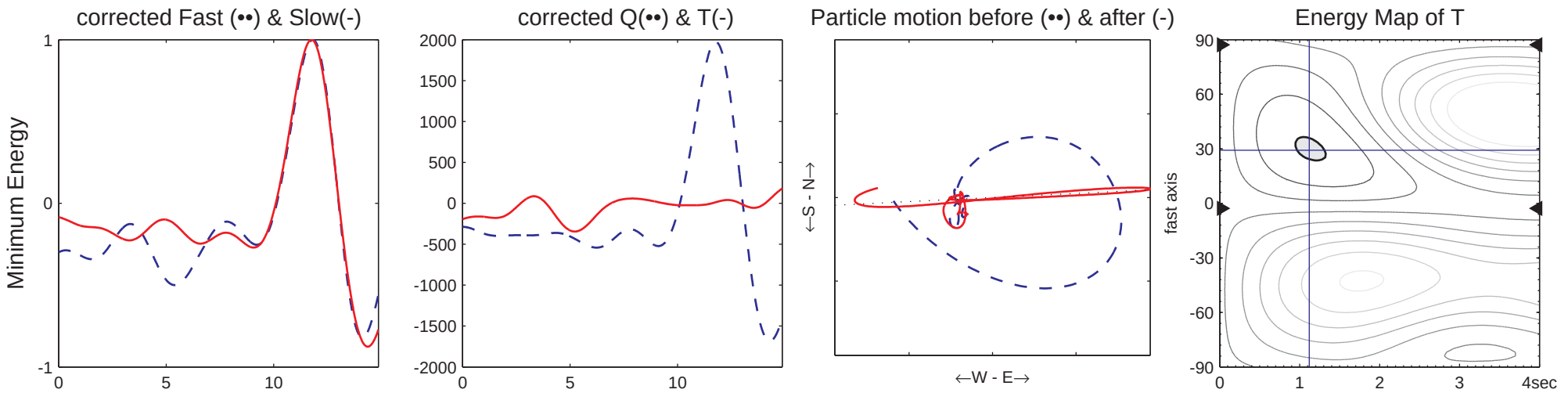
Rotation Correlation:	21<	34° <	51	0.8<1.0s<1.2
Minimum Energy:	23<	29° <	37	1.0<1.1s<1.3
Eigenvalue:	13<	23° <	35	1.0<1.2s<1.4

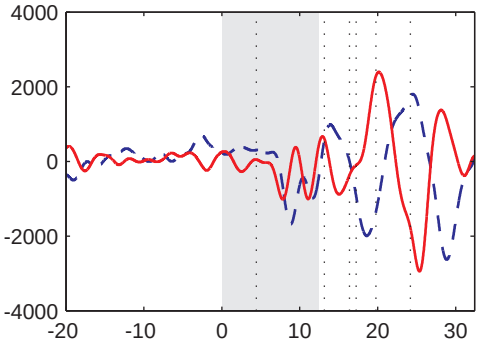
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



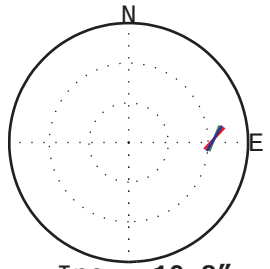




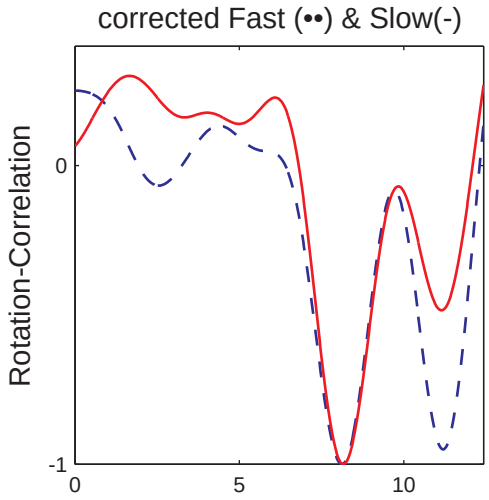
Event: **12-Feb-2009 (043) 13:15 4.04N 126.55E 27km Mw=6.3**
Station: **SCER** Backazimuth: **87.3”** Distance: **86.97”**
init.Pol.: **255.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.4**

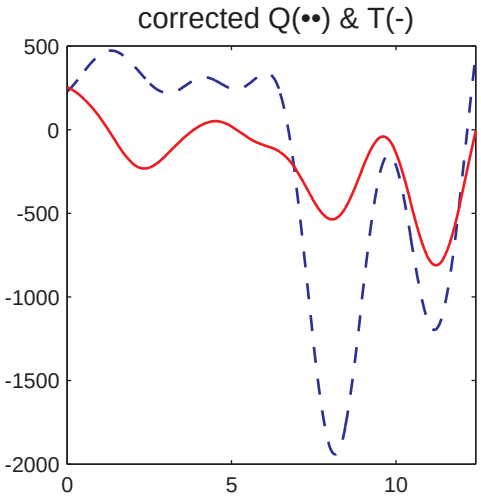
Rotation Correlation:	13<	22° <	33	0.7<0.9s<1.0
Minimum Energy:	27<	43° <	58	0.6<0.9s<1.2
Eigenvalue:	19<	31° <	41	0.8<0.9s<1.1

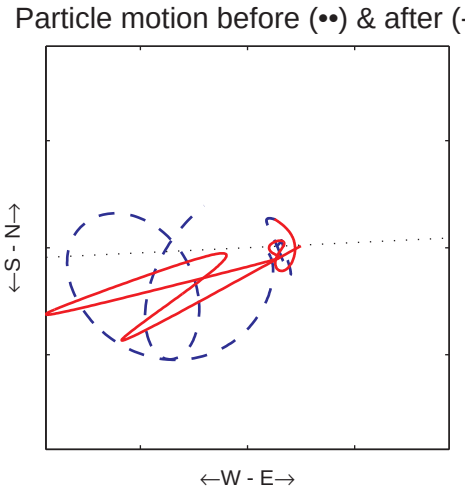
Quality: **fair** IsNull: **No** Phase: **SKS**

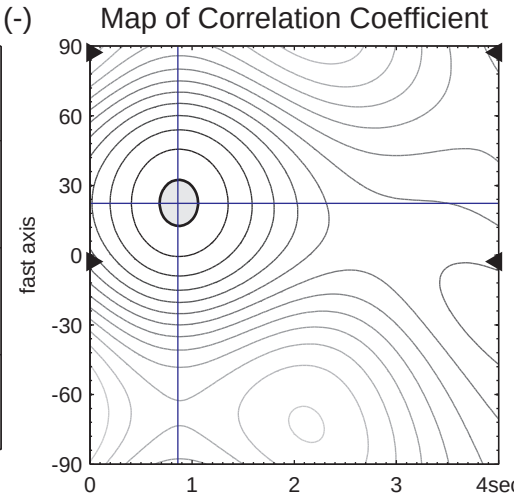


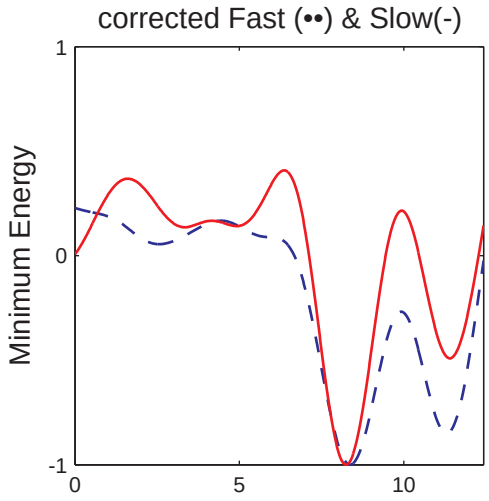
Inc = **10.8”**

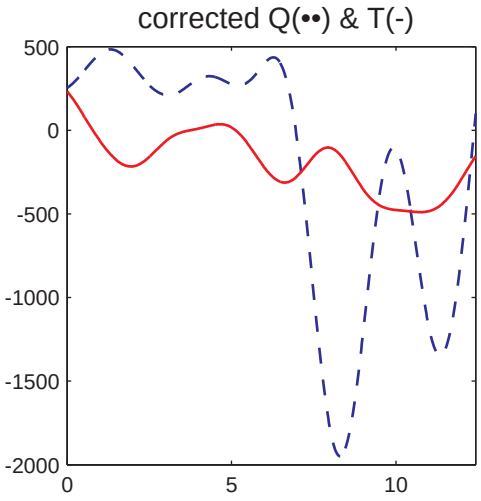


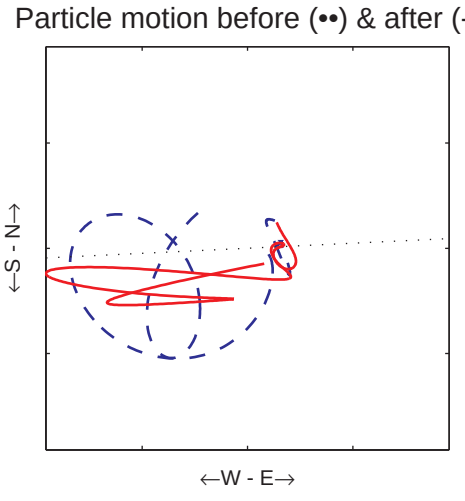


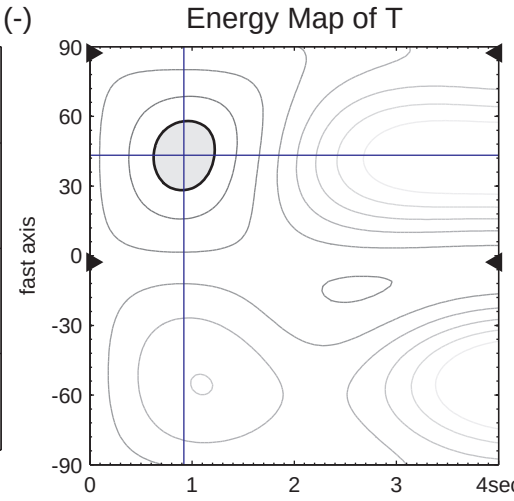


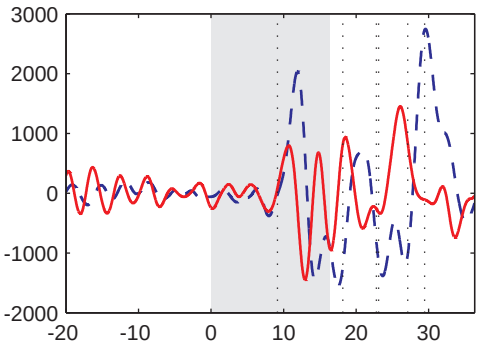








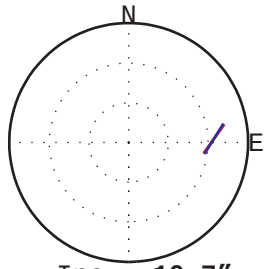


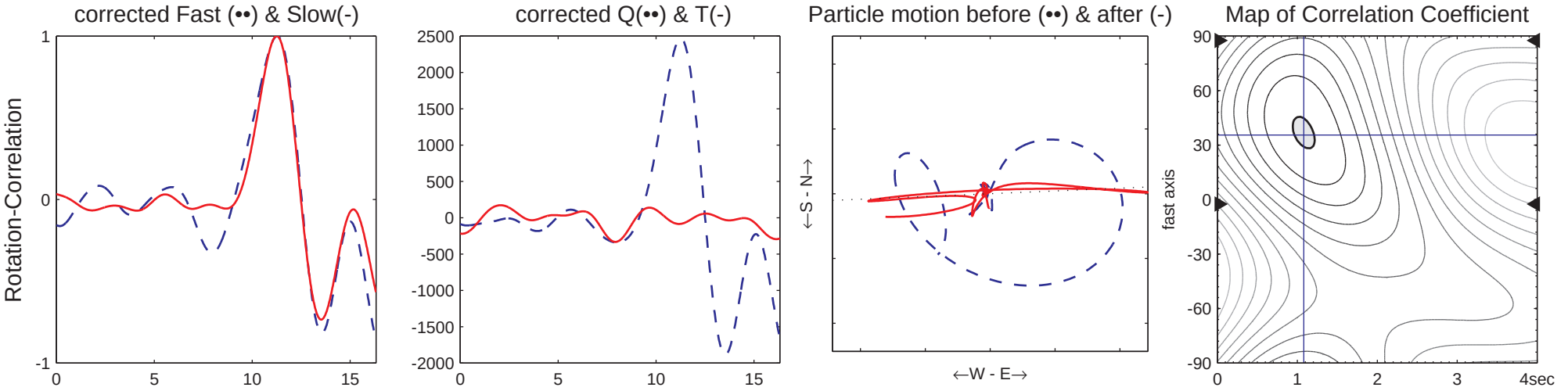


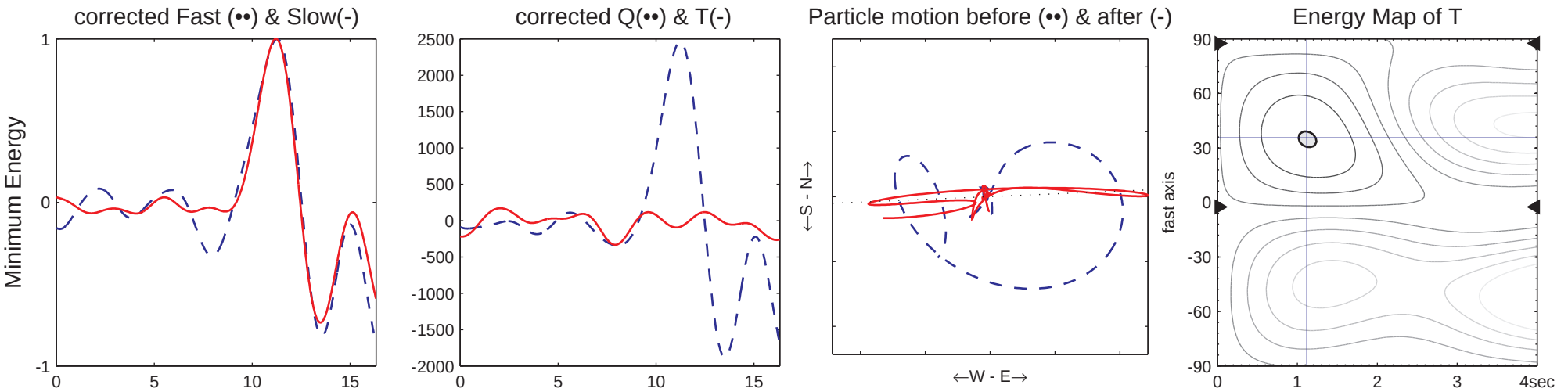
Event: **22-Feb-2009 (053) 17:45 3.68N 126.56E 32km Mw=6.0**
Station: **SCER** Backazimuth: **87.5”** Distance: **87.21”**
init.Pol.: **263.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.0**

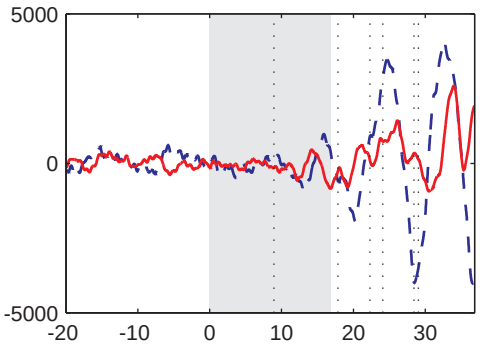
Rotation Correlation:	29<	36° <	46	1.0<1.1s<1.2
Minimum Energy:	31<	36° <	39	1.0<1.1s<1.2
Eigenvalue:	25<	32° <	37	1.0<1.1s<1.2

Quality: **good** IsNull: **No** Phase: **SKS**





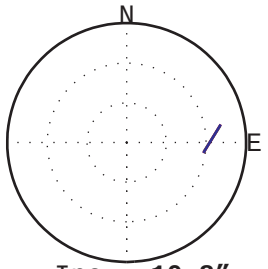




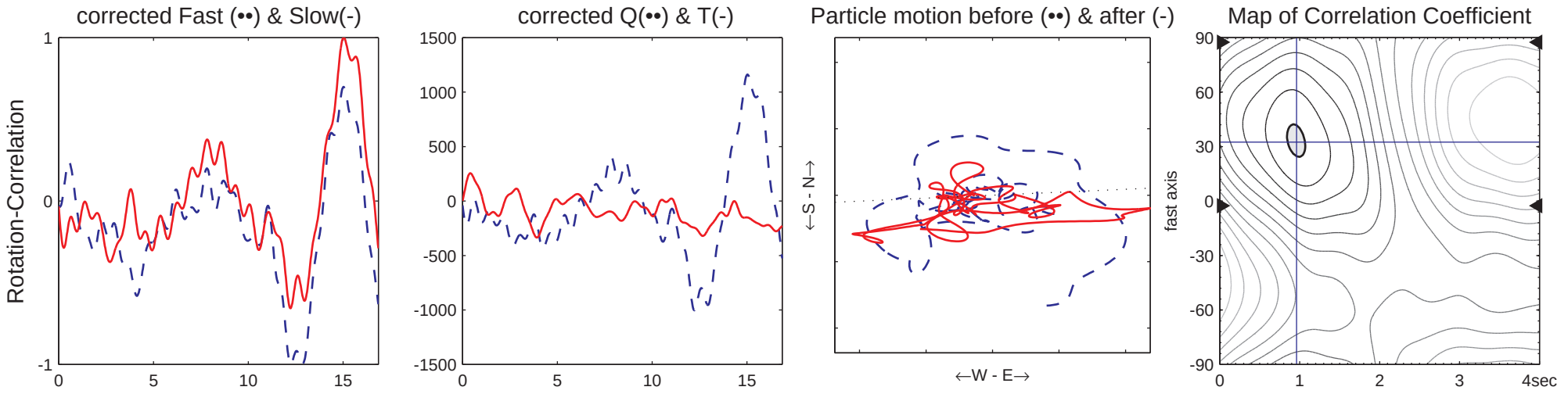
Event: **16-Mar-2009 (075) 14:15 3.81N 126.55E 35km Mw=6.3**
Station: **SCER** Backazimuth: **87.4”** Distance: **87.12”**
init.Pol.: **266.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.8**

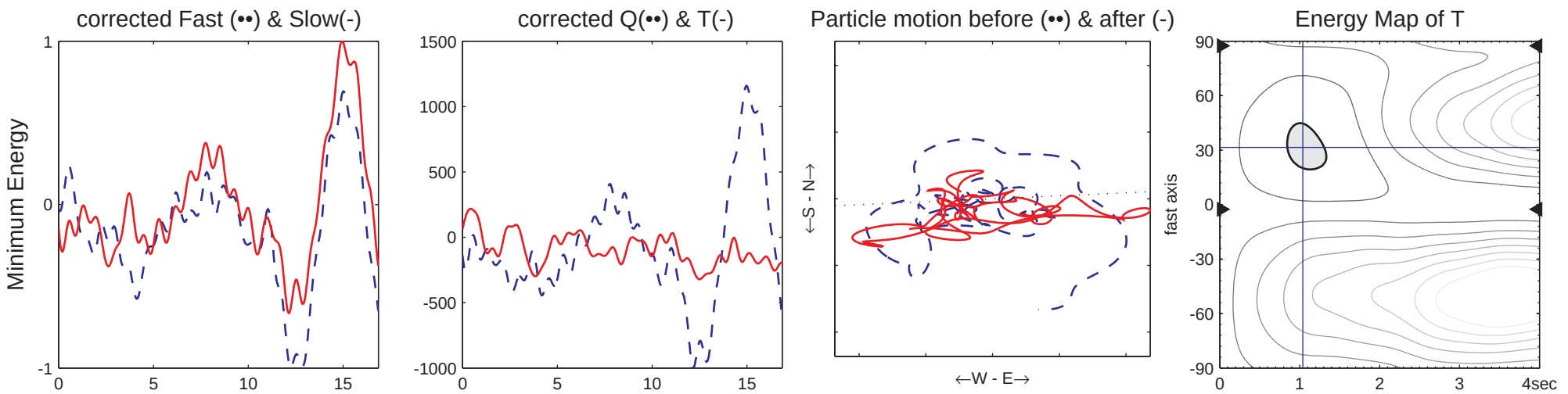
Rotation Correlation:	25<	32° <	43	0.8<1.0s<1.1
Minimum Energy:	19<	31° <	46	0.8<1.0s<1.3
Eigenvalue:	13<	31° <	60	0.9<1.0s<1.3

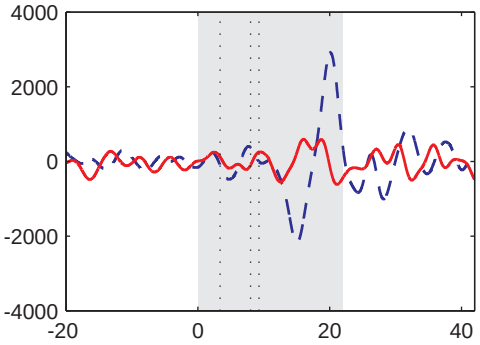
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



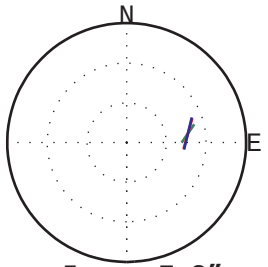




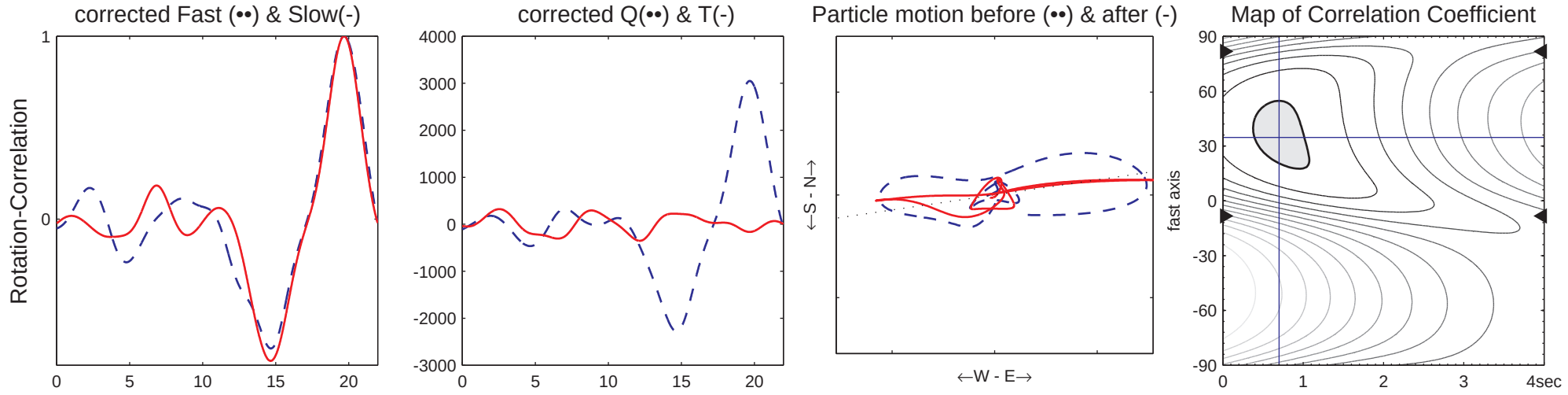
Event: **01-Apr-2009 (091) 03:54 -3.52N 144.10E 10km Mw=6.4**
Station: **SCER** Backazimuth: **81.7”** Distance: **105.25”**
init.Pol.: **261.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.1**

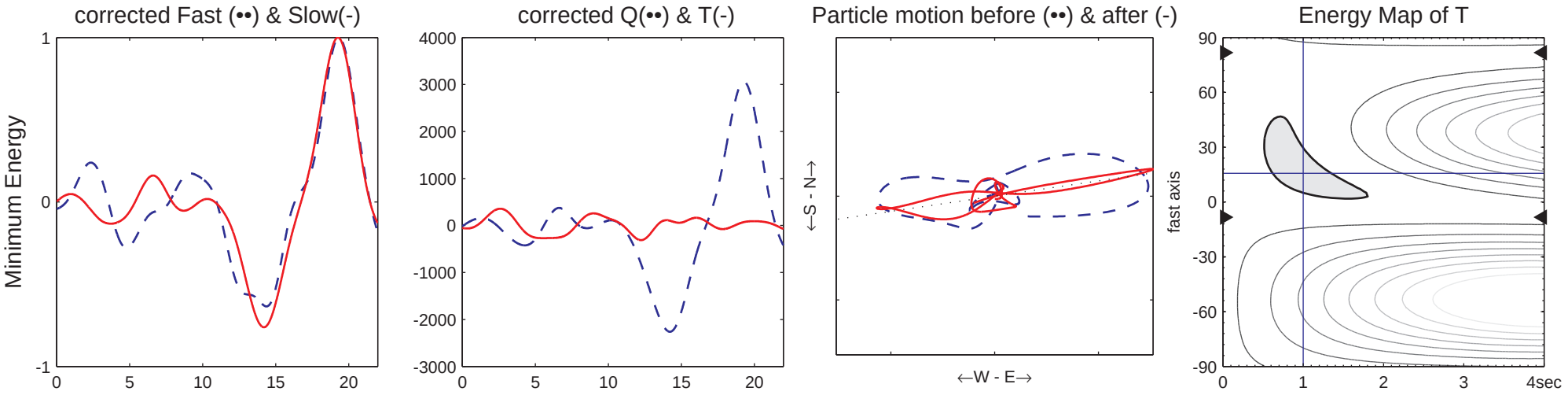
Rotation Correlation:	18<	35° <	55	0.4<0.7s<1.1
Minimum Energy:	1<	16° <	48	0.5<1.0s<1.8
Eigenvalue:	-5<	14° <	64	0.5<1.0s<2.3

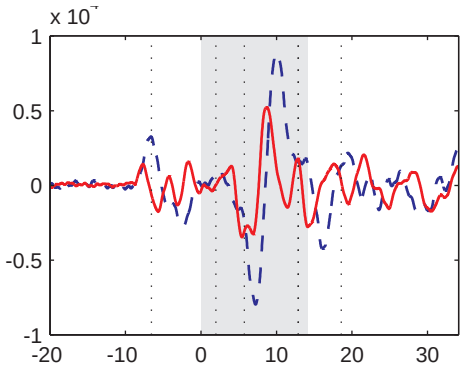
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.8”**



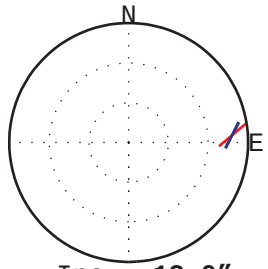




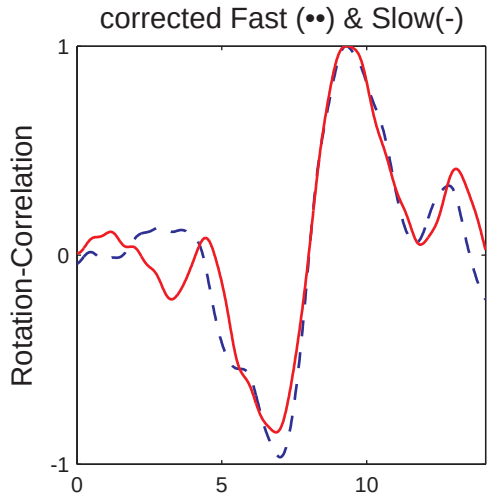
Event: **04-Apr-2009 (094) 05:31** **5.15N 127.20E** **48km** Mw=**6.3**
Station: **SCER** Backazimuth: **86.0”** Distance: **86.76”**
init.Pol.: **251.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

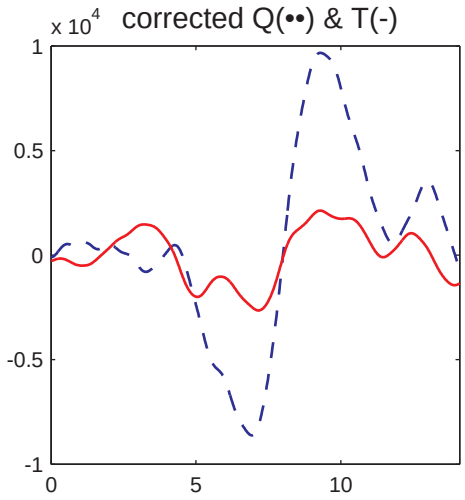
Rotation Correlation:	19<	29° <	41	0.8<0.9s<1.0
Minimum Energy:	35<	50° <	62	0.8<1.1s<1.4
Eigenvalue:	11<	26° <	41	0.8<0.9s<1.1

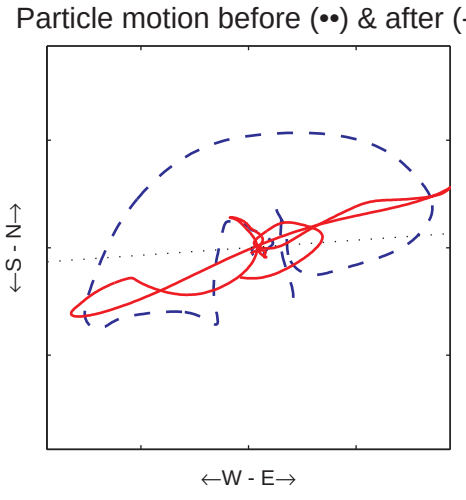
Quality: **fair** IsNull: **No** Phase: **SKKS**

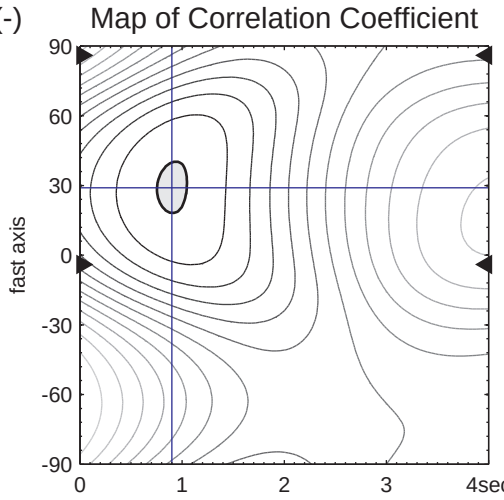


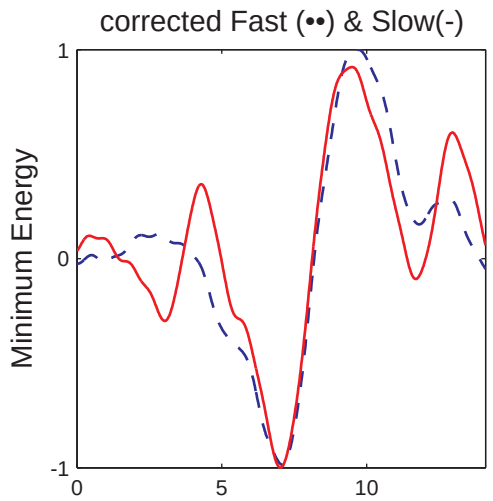
Inc = **13.0”**

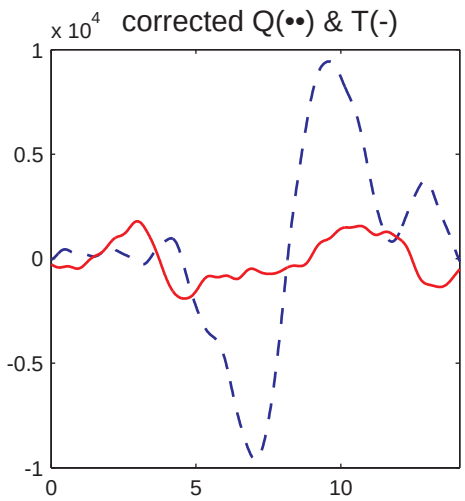


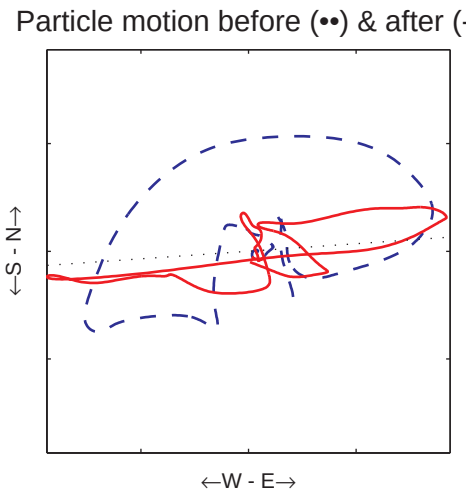


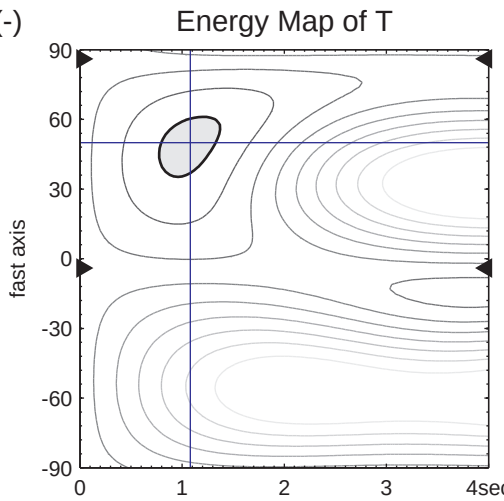


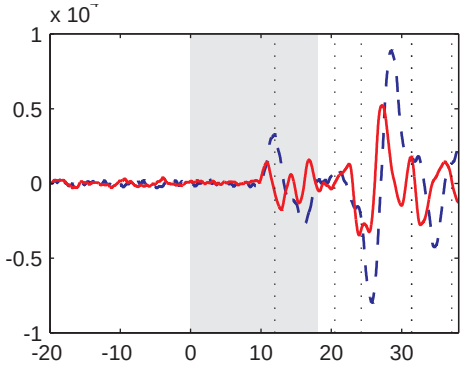








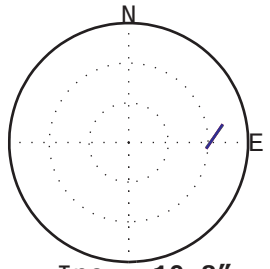


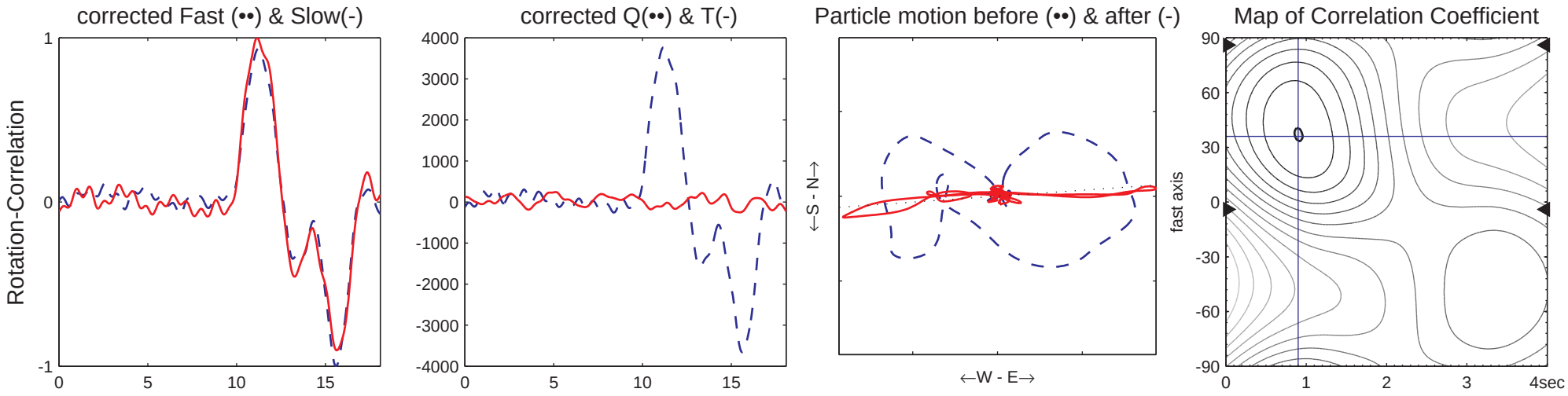


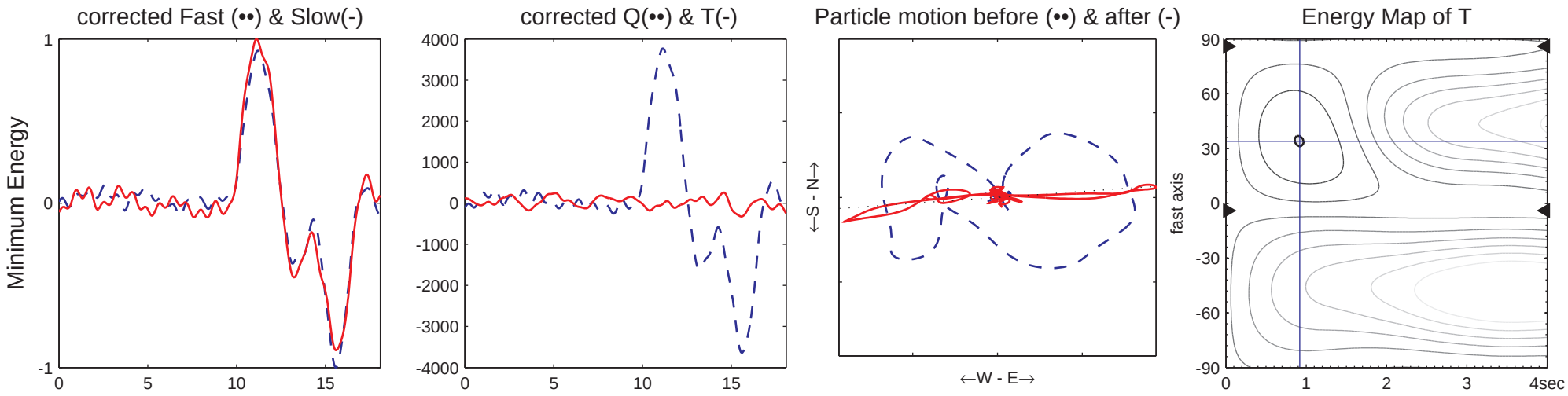
Event: **04-Apr-2009 (094) 05:31 5.15N 127.20E 48km Mw=6.3**
Station: **SCER** Backazimuth: **86.0”** Distance: **86.76”**
init.Pol.: **265.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**15.4**

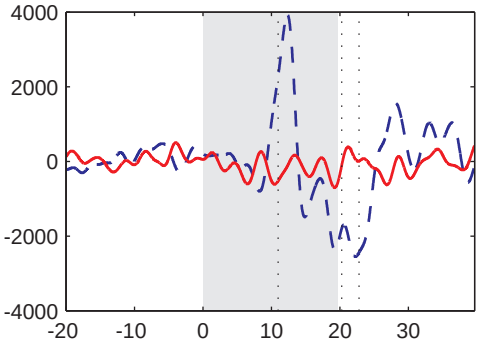
Rotation Correlation:	34<	36° <	41	0.8<0.9s<1.0
Minimum Energy:	31<	34° <	37	0.8<0.9s<1.0
Eigenvalue:	31<	34° <	37	0.8<0.9s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





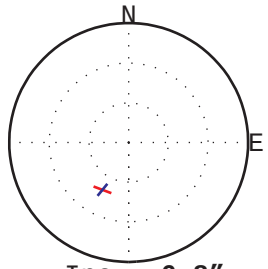


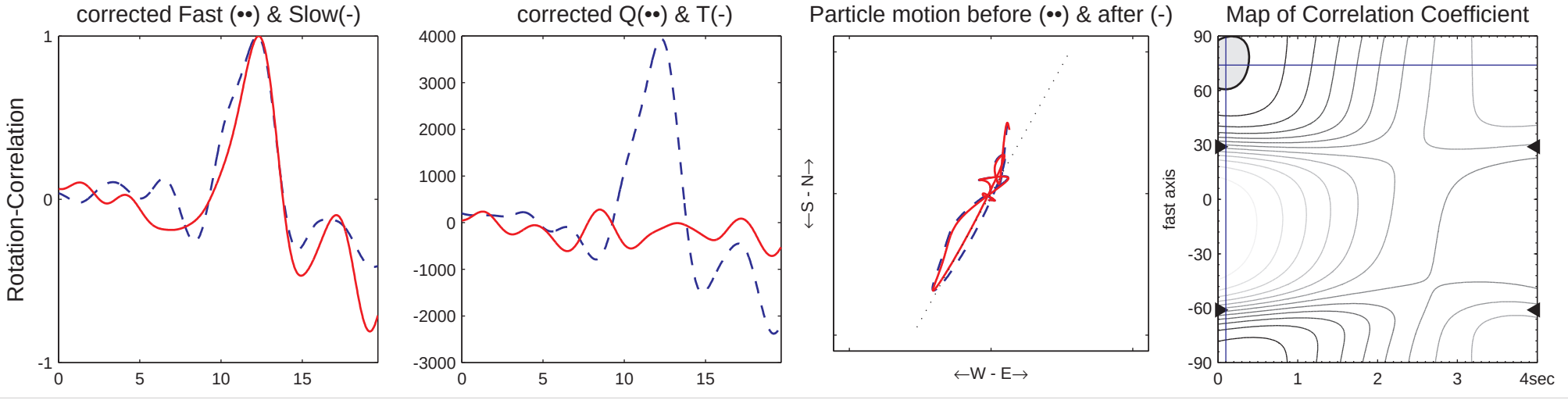


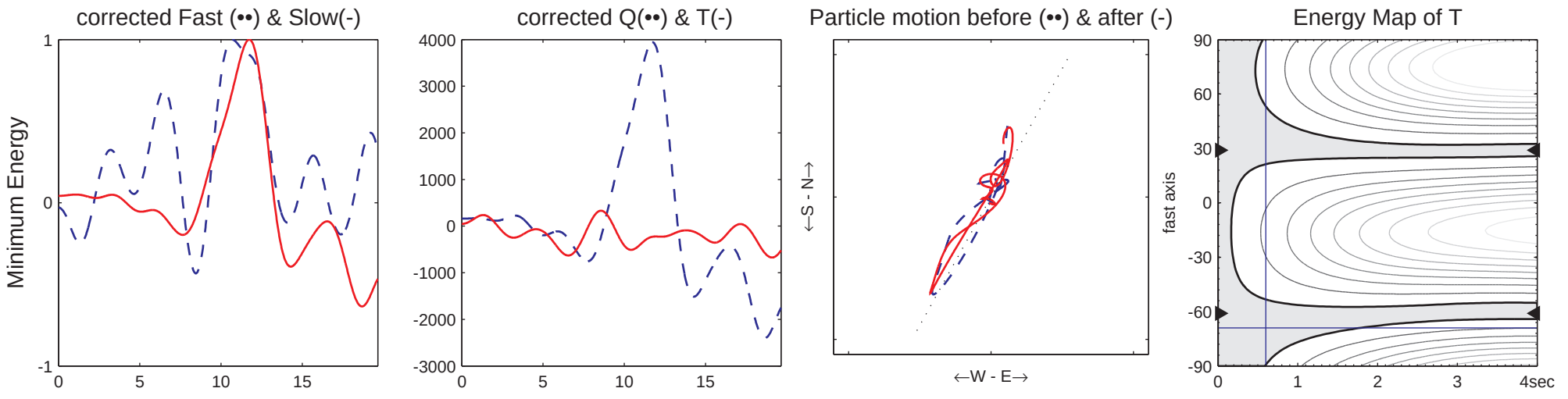
Event: **16-Apr-2009 (106) 14:57 -60.20N -26.86E 20km Mw=6.7**
Station: **SCER** Backazimuth: **209.0”** Distance: **112.89”**
init.Pol.: **26.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

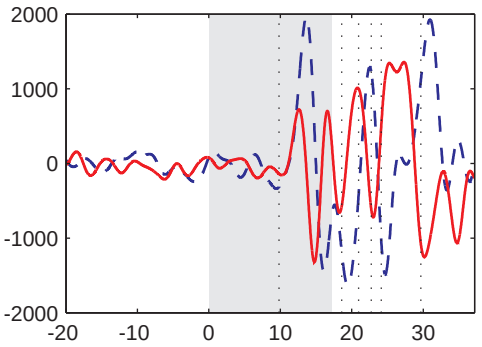
Rotation Correlation:	61<	74° < -91	0.0<0.1s<0.4
Minimum Energy:	-Inf<	-69° < Inf	0.0<0.6s<Inf
Eigenvalue:	-Inf<	39° < Inf	0.0<0.5s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





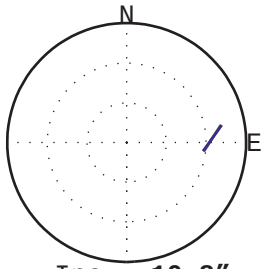




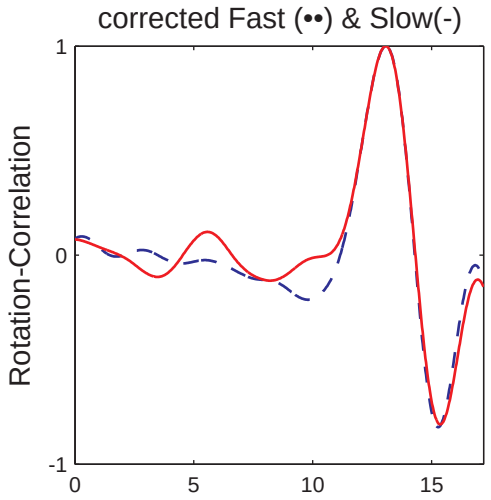
Event: **19-Apr-2009 (109) 05:23 4.14N 126.68E 25km Mw=6.1**
Station: **SCER** Backazimuth: **87.1”** Distance: **87.01”**
init.Pol.: **266.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.1**

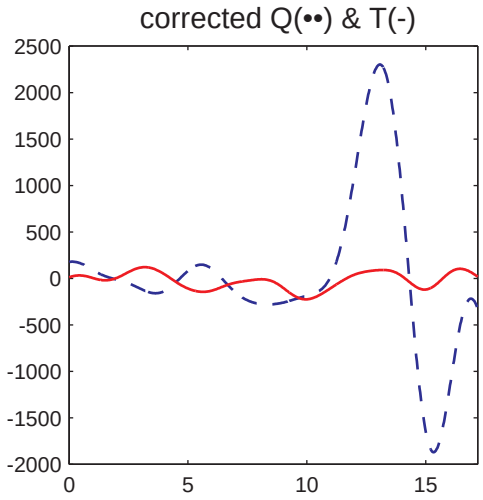
Rotation Correlation:	26<	32° <	39	0.9<1.0s<1.1
Minimum Energy:	31<	35° <	39	0.9<1.0s<1.1
Eigenvalue:	29<	35° <	41	0.9<1.0s<1.1

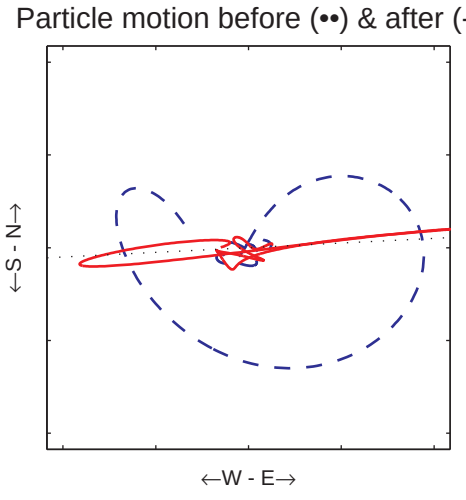
Quality: **good** IsNull: **No** Phase: **SKS**

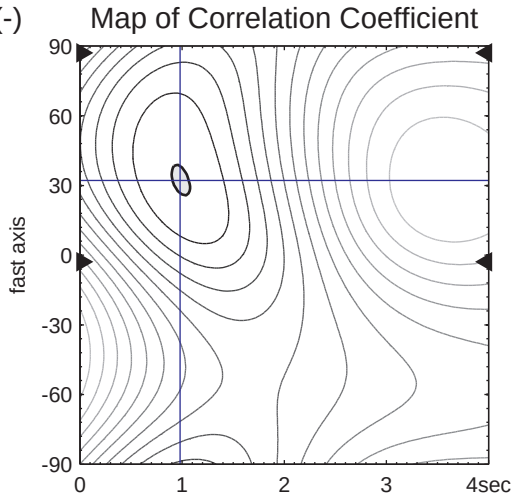


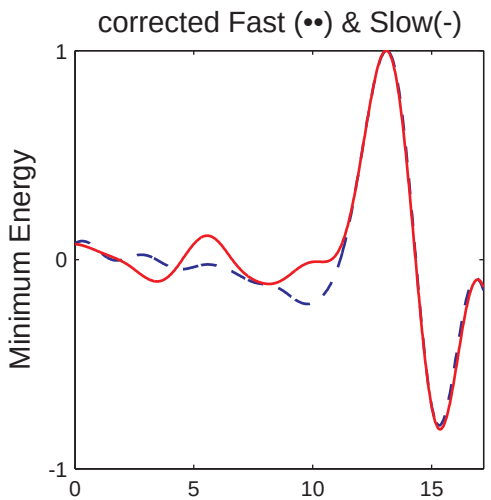
Inc = **10.8”**

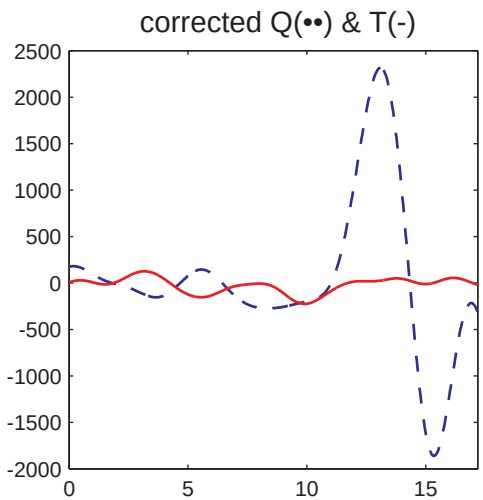


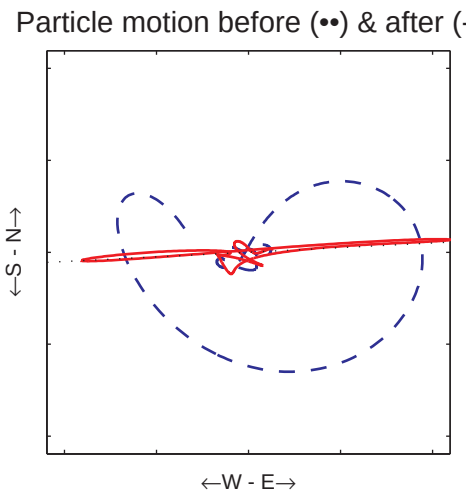


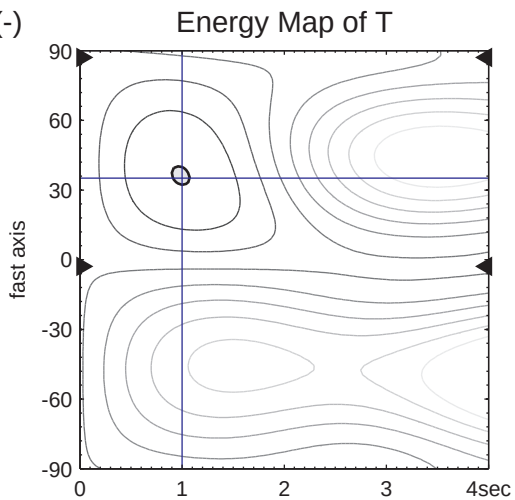


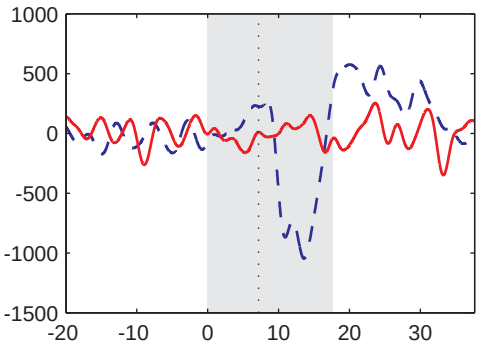








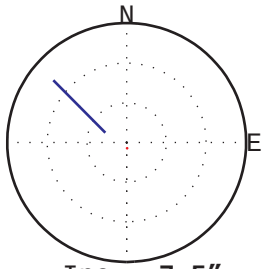


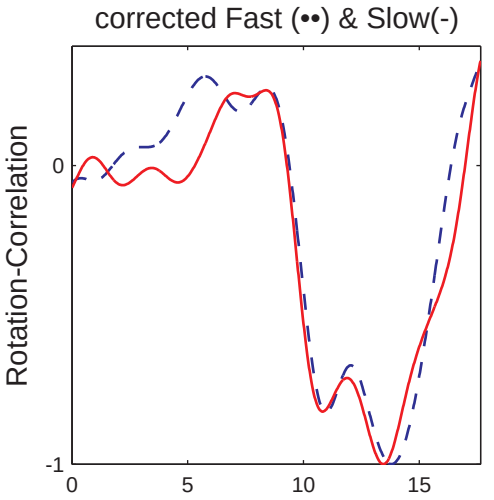


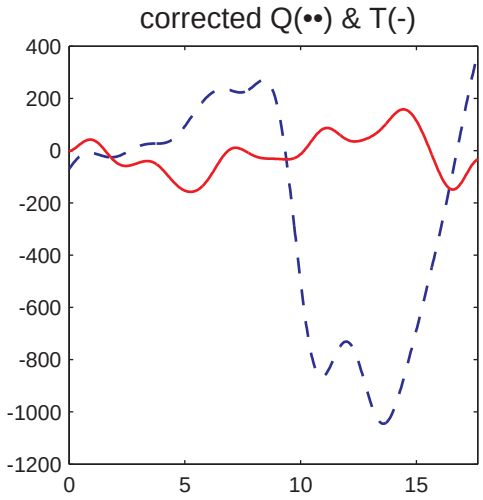
Event: **03-May-2009 (123) 16:21 14.55N -91.14E 108km Mw=6.3**
Station: **SCER** Backazimuth: **307.2”** Distance: **107.41”**
init.Pol.: **133.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

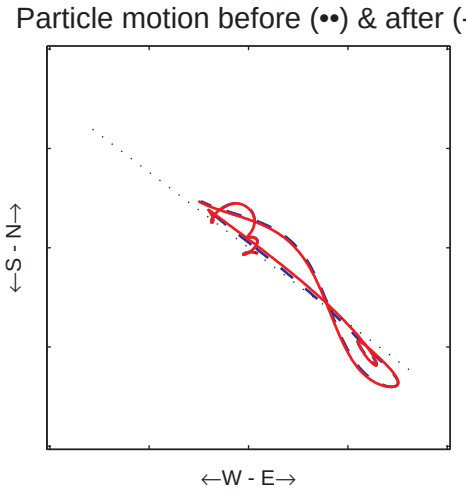
Rotation Correlation:	-17<	-3° <	11	0.0<0.0s<0.3
Minimum Energy:	-54<	-49° <	-48	1.2<4.0s<4.0
Eigenvalue:	-Inf<	-45° <	Inf	0.0<2.3s<Inf

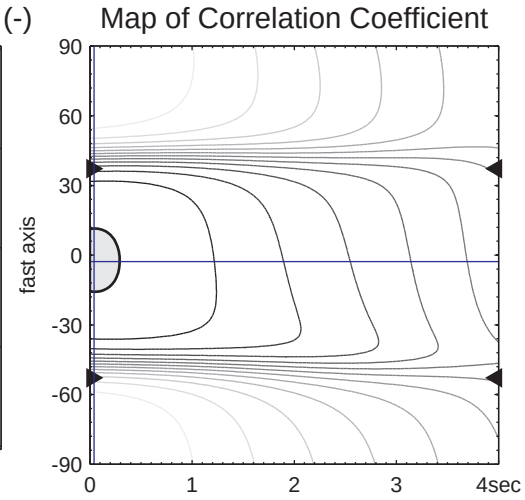
Quality: **good** IsNull: **Yes** Phase: **SKS**

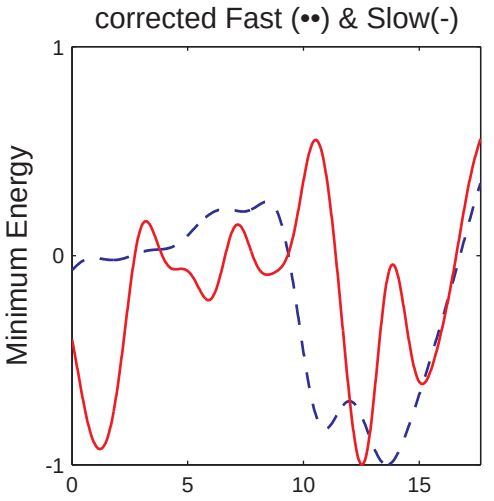


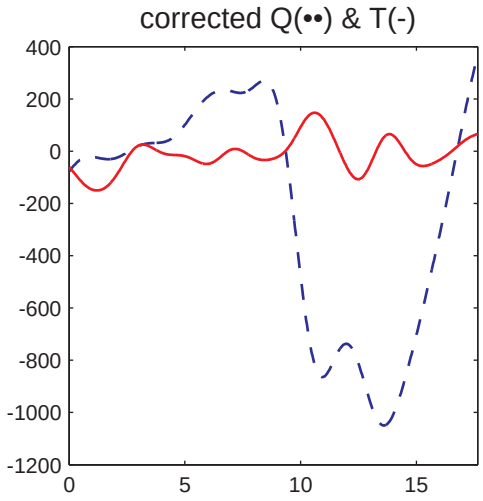


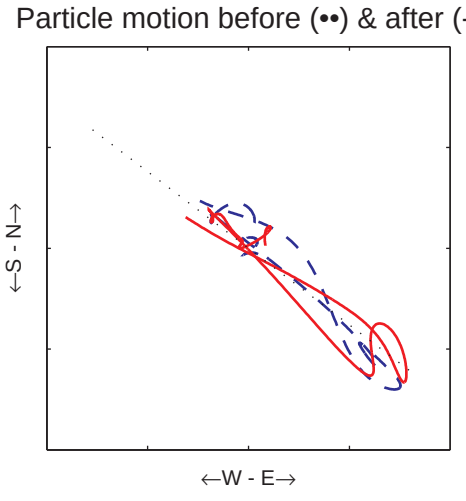


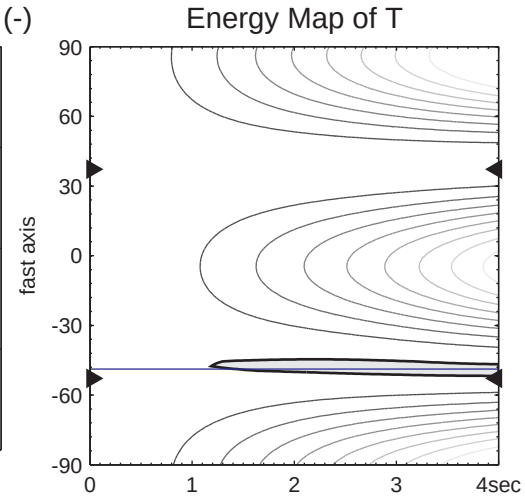


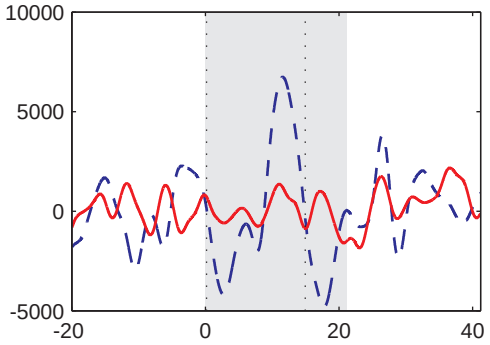








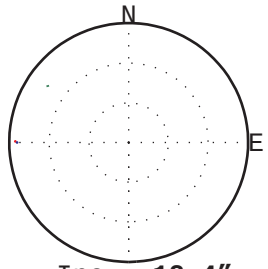




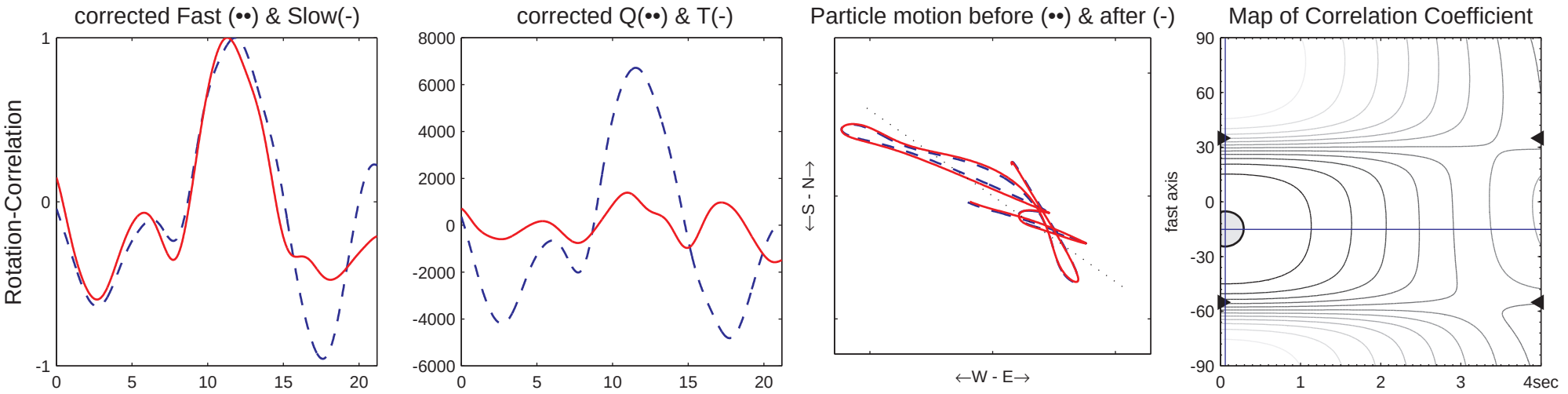
Event: **28-May-2009 (148) 08:24 16.73N -86.22E 19km Mw=7.3**
Station: **SCER** Backazimuth: **304.9”** Distance: **102.68”**
init.Pol.: **120.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

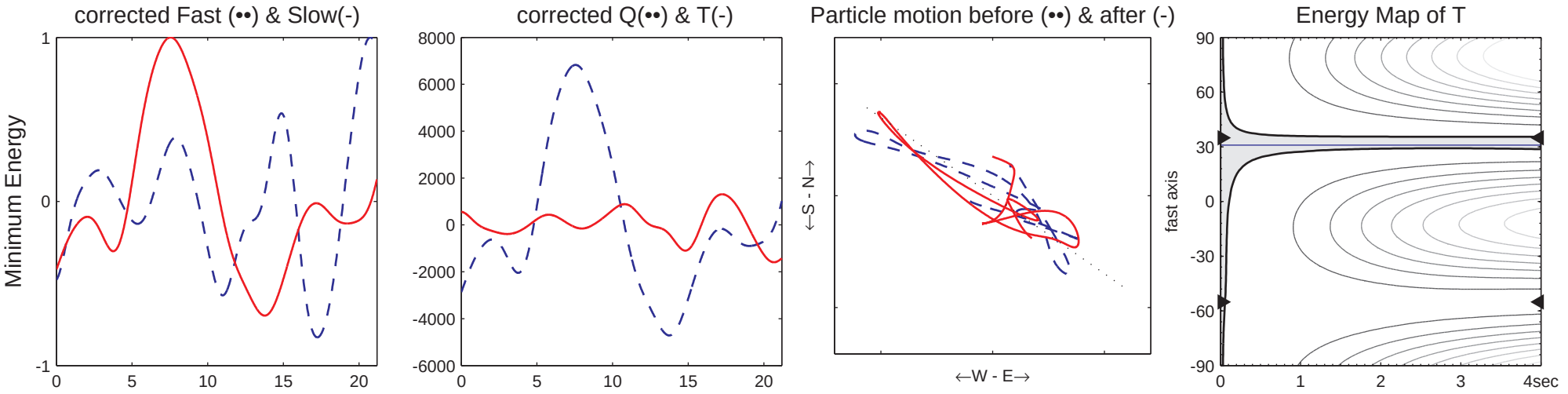
Rotation Correlation:	-26<	-15° <	-7	0.0<0.1s<0.3
Minimum Energy:	-Inf<	31° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	29° <	Inf	0.0<4.0s<Inf

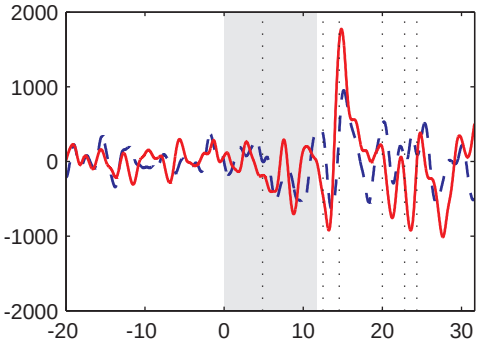
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **12.4”**



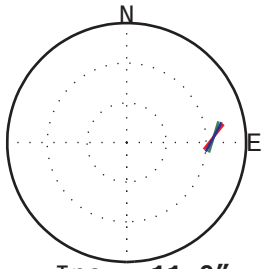




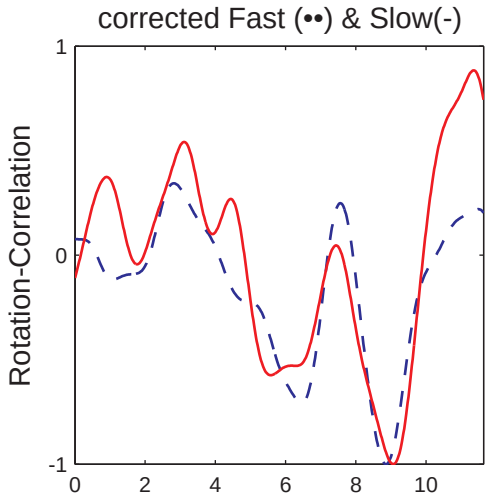
Event: **14-Jun-2009 (165) 05:58 5.36N 126.44E 35km Mw=6.1**
Station: **SCER** Backazimuth: **86.3”** Distance: **86.04”**
init.Pol.: **252.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.3**

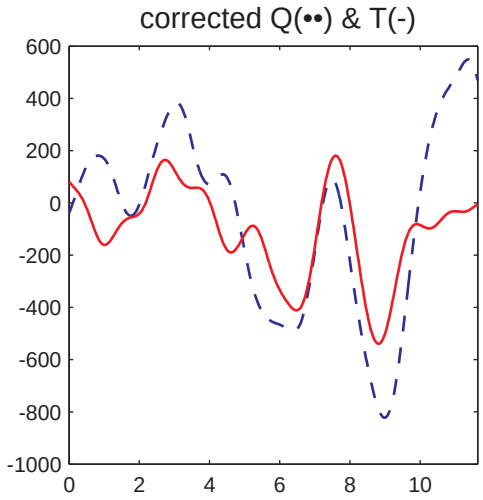
Rotation Correlation:	9<	17° <	27	0.9<1.0s<1.2
Minimum Energy:	27<	38° <	54	0.7<1.0s<1.3
Eigenvalue:	17<	28° <	41	0.8<1.0s<1.2

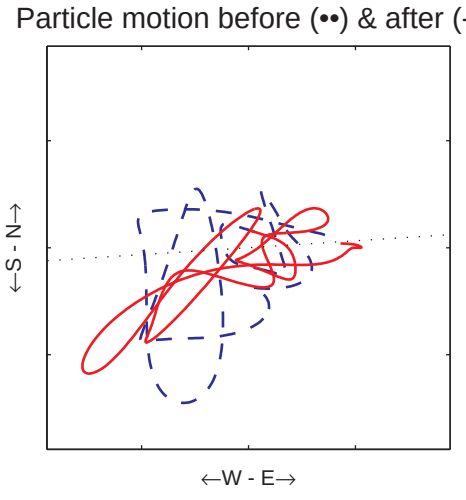
Quality: **fair** IsNull: **No** Phase: **SKS**

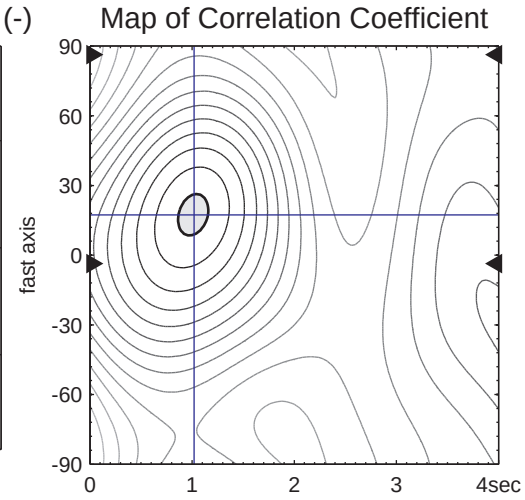


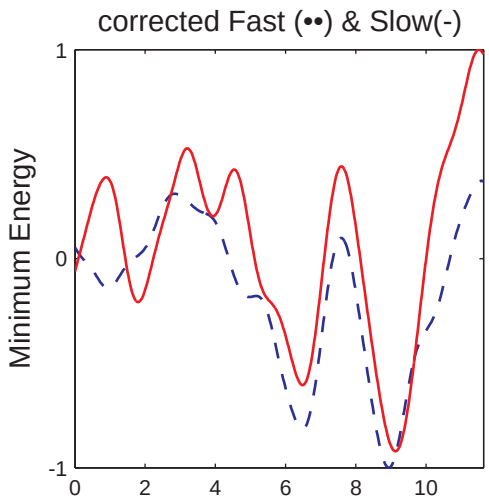
Inc = **11.0”**

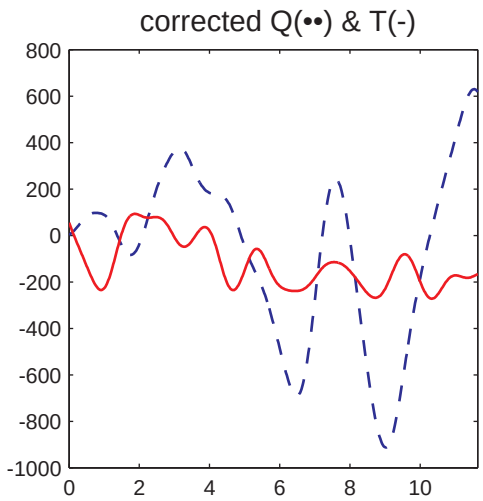


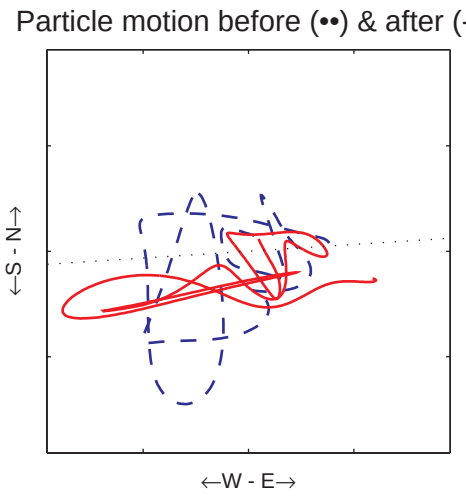


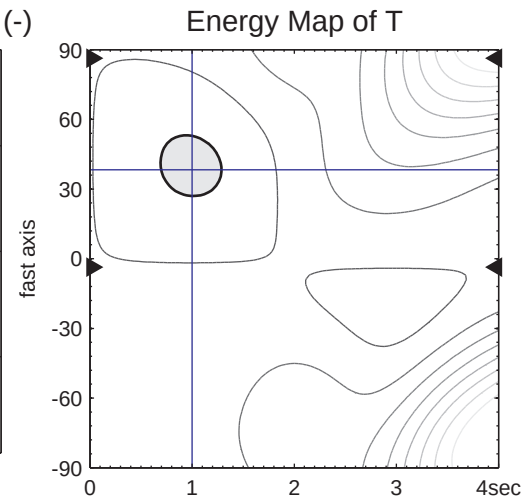


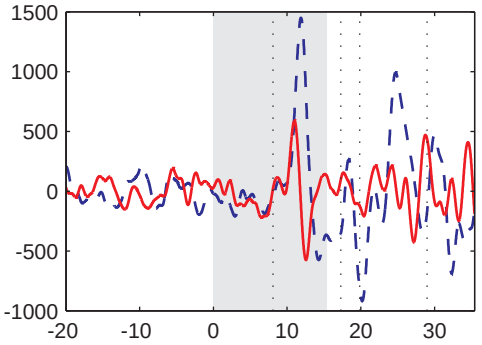








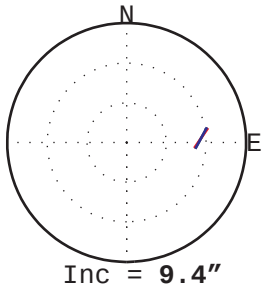


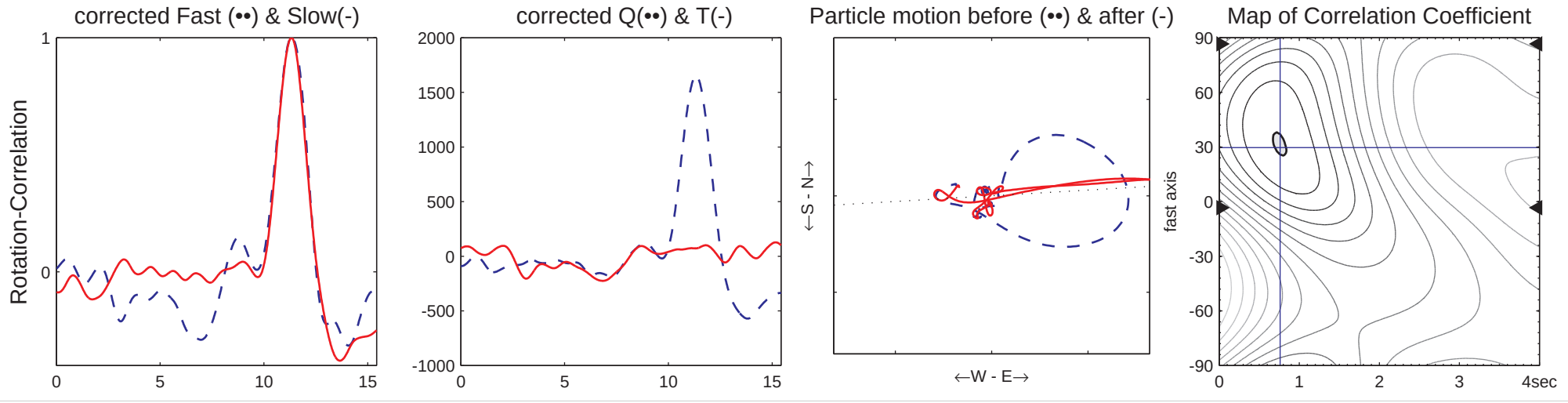


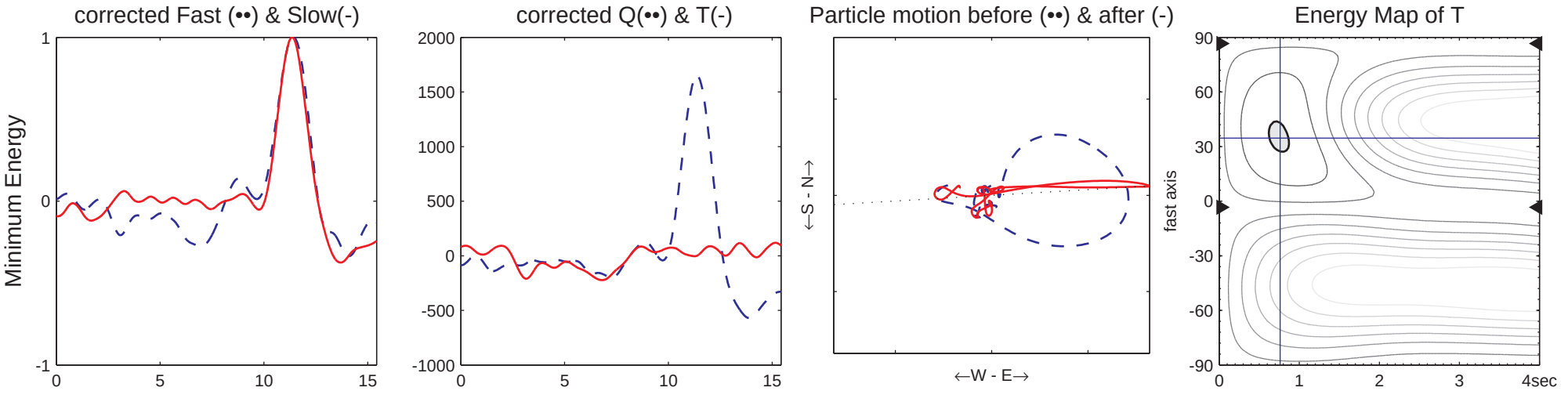
Event: **02-Aug-2009 (214) 08:54 -0.45N 132.91E 20km Mw=6.1**
Station: **SCER** Backazimuth: **86.6”** Distance: **94.72”**
init.Pol.: **263.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.6**

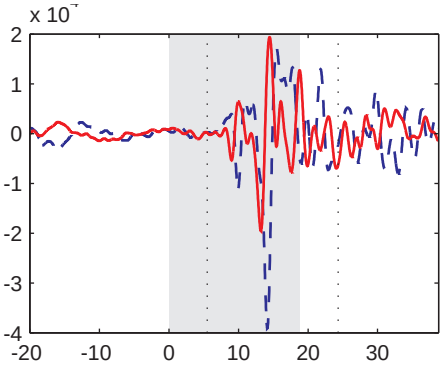
Rotation Correlation:	26<	30° <	38	0.7<0.8s<0.8
Minimum Energy:	27<	35° <	43	0.6<0.8s<0.9
Eigenvalue:	19<	29° <	41	0.6<0.8s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





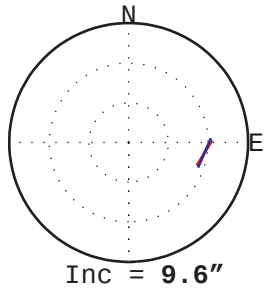


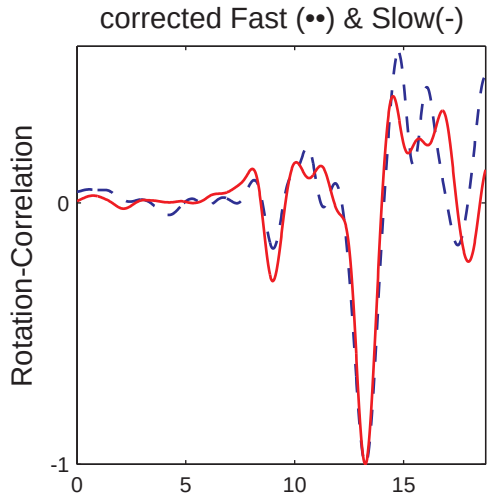


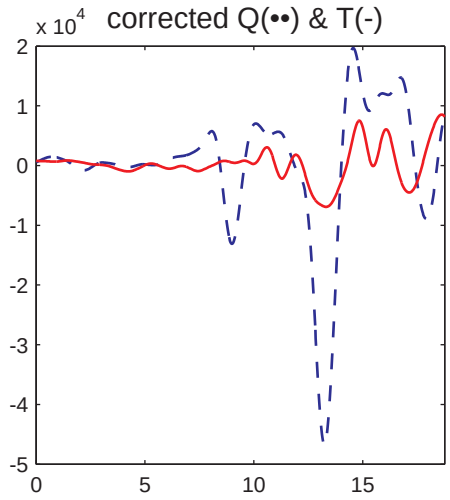
Event: **28-Aug-2009 (240) 01:51 -7.15N 123.43E 642km Mw=6.9**
Station: **SCER** Backazimuth: **97.9”** Distance: **91.75”**
init.Pol.: **265.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.0**

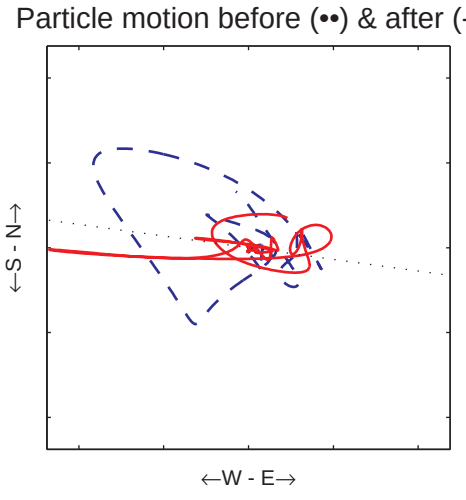
Rotation Correlation:	24<	27° <	32	0.9<0.9s<1.0
Minimum Energy:	27<	32° <	35	0.8<0.9s<1.1
Eigenvalue:	17<	24° <	29	0.9<1.0s<1.1

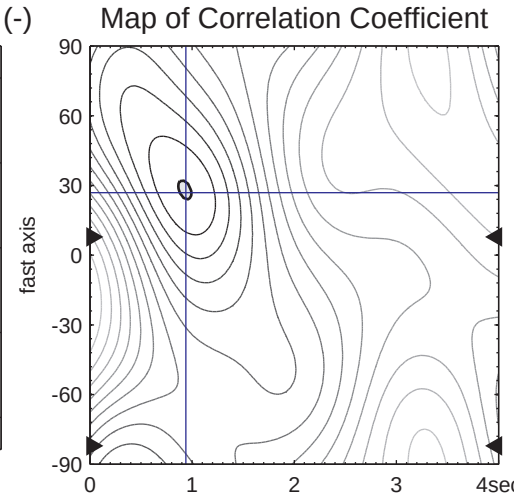
Quality: **good** IsNull: **No** Phase: **SKS**

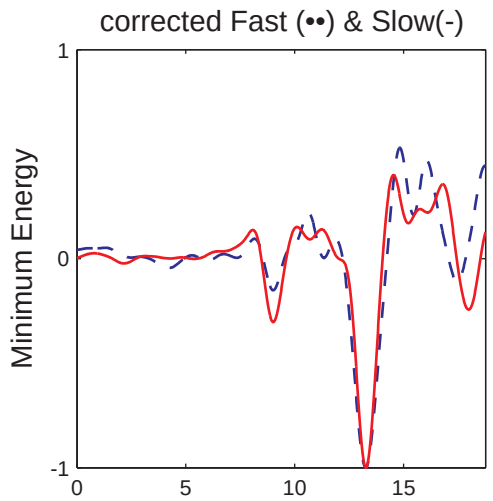


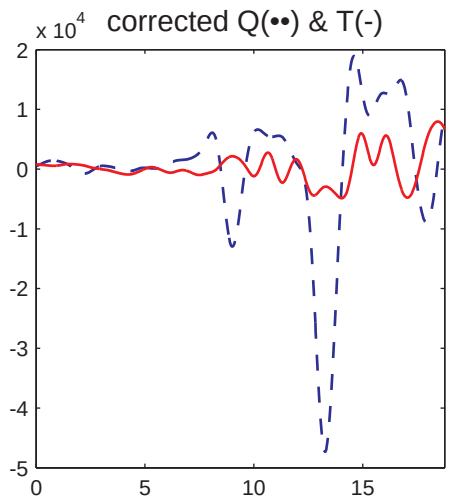


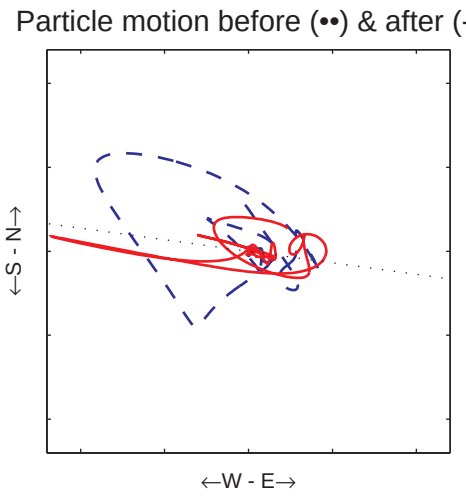


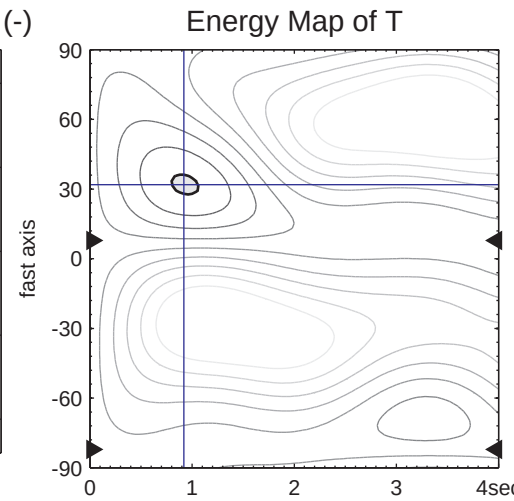


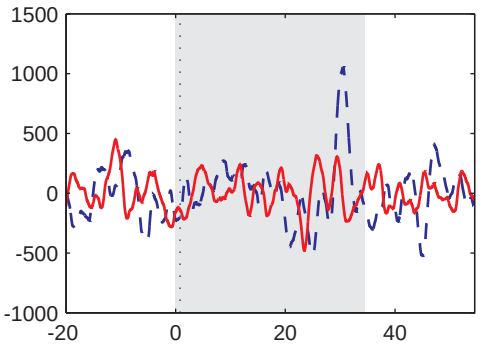








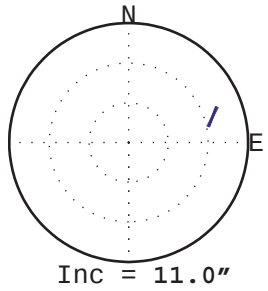


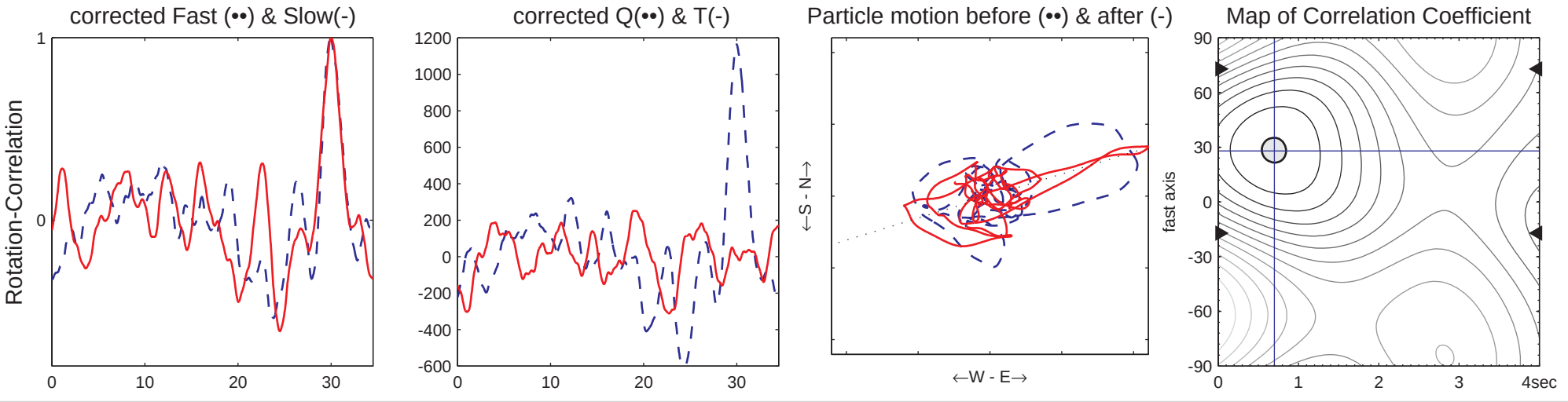


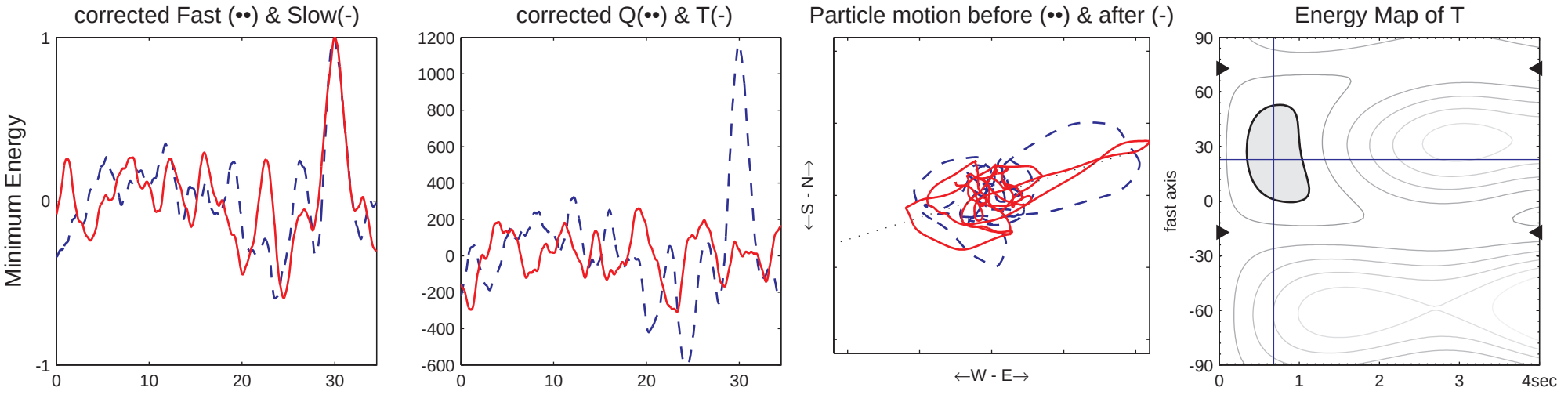
Event: **12-Oct-2009 (285) 09:37 -12.41N 166.50E 42km Mw=6.2**
Station: **SCER** Backazimuth: **72.9”** Distance: **127.83”**
init.Pol.: **251.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.5**

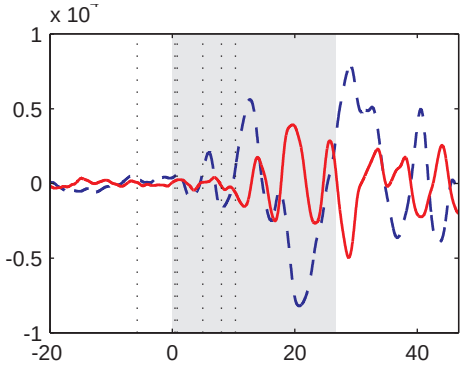
Rotation Correlation:	22<	28° <	35	0.6<0.7s<0.8
Minimum Energy:	-1<	23° <	54	0.4<0.7s<1.1
Eigenvalue:	-9<	21° <	62	0.4<0.7s<1.2

Quality: **fair** IsNull: **No** Phase: **SKKS**





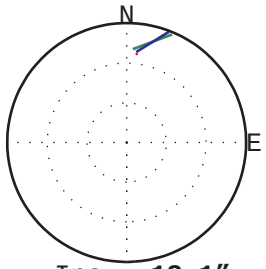




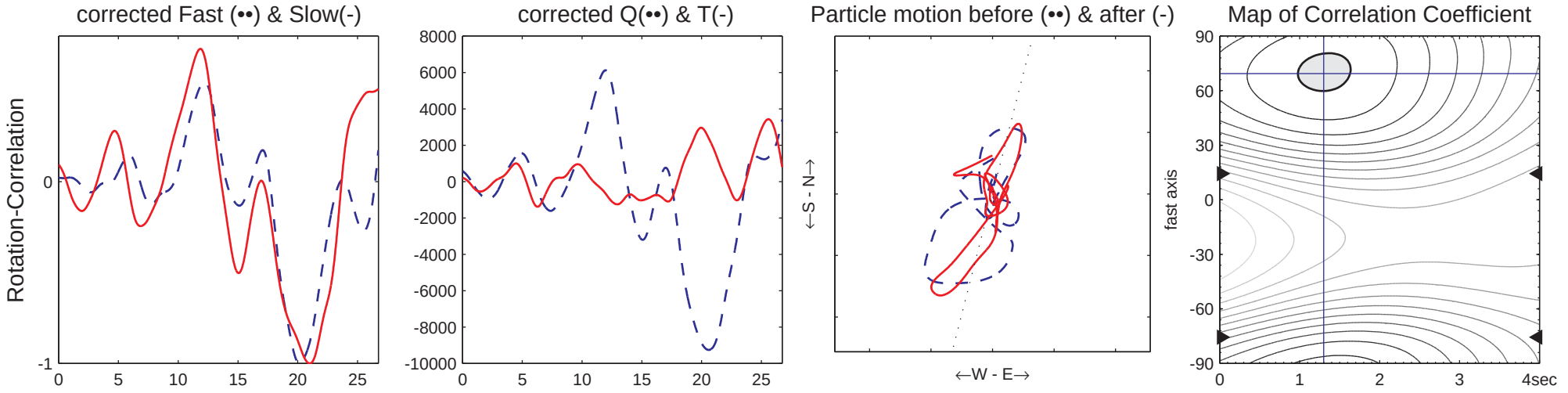
Event: **13-Oct-2009 (286) 05:37 52.75N -167.00E 24km Mw=6.5**
Station: **SCER** Backazimuth: **14.4”** Distance: **85.05”**
init.Pol.: **199.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.1**

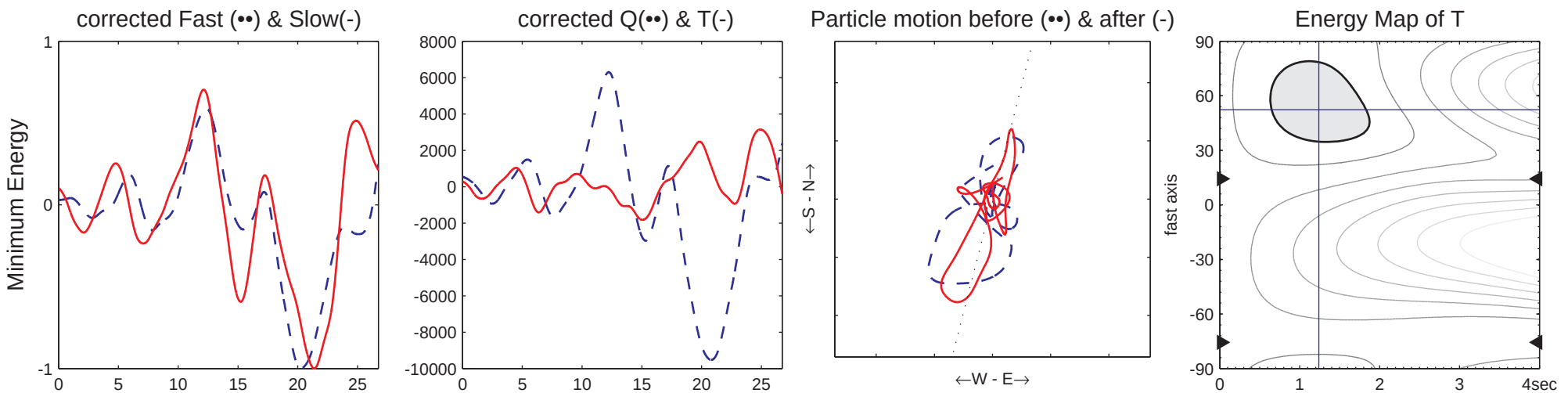
Rotation Correlation:	60<	69° <	81	1.0<1.3s<1.6
Minimum Energy:	35<	52° <	80	0.6<1.2s<1.9
Eigenvalue:	37<	58° <	88	0.6<1.2s<1.8

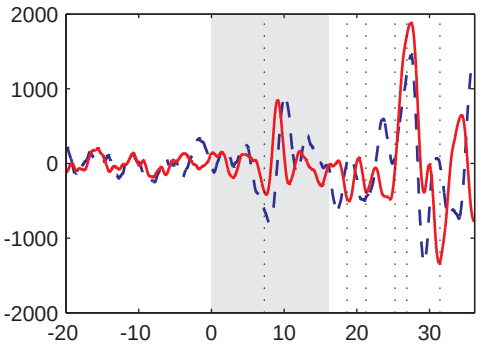
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.1”**



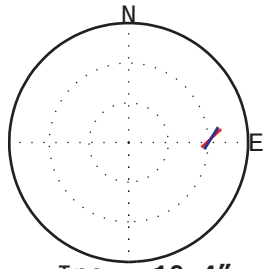




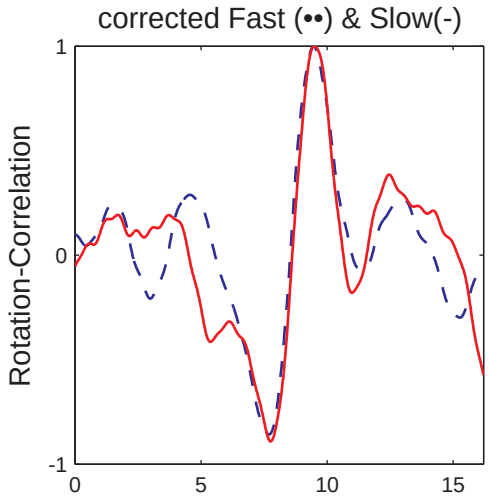
Event: **13-Oct-2009 (286) 11:38 2.93N 128.23E 32km Mw=6.0**
Station: **SCER** Backazimuth: **87.0”** Distance: **88.97”**
init.Pol.: **256.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

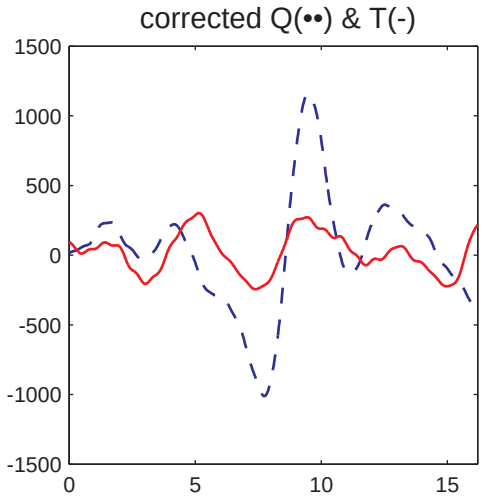
Rotation Correlation:	20<	31° <	45	0.7<0.8s<1.0
Minimum Energy:	33<	47° <	60	0.6<0.8s<1.1
Eigenvalue:	13<	33° <	54	0.6<0.8s<1.0

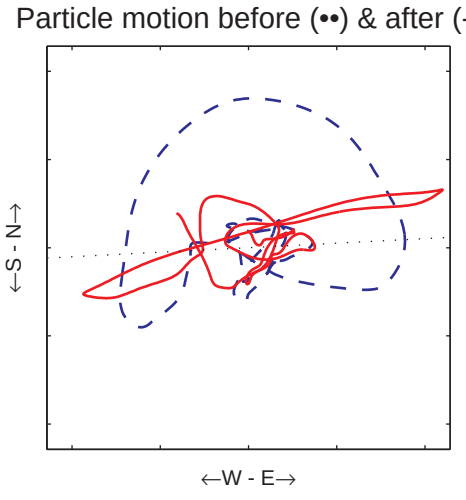
Quality: **fair** IsNull: **No** Phase: **SKS**

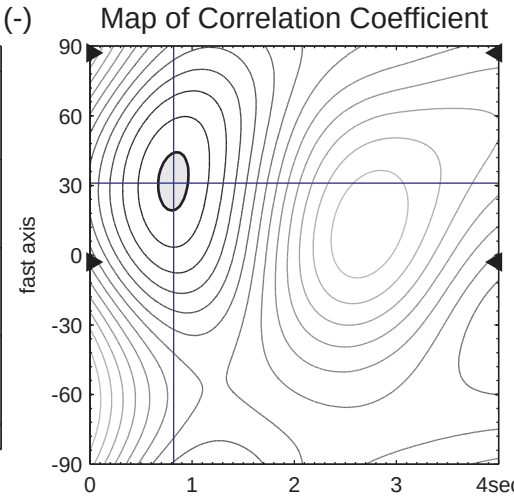


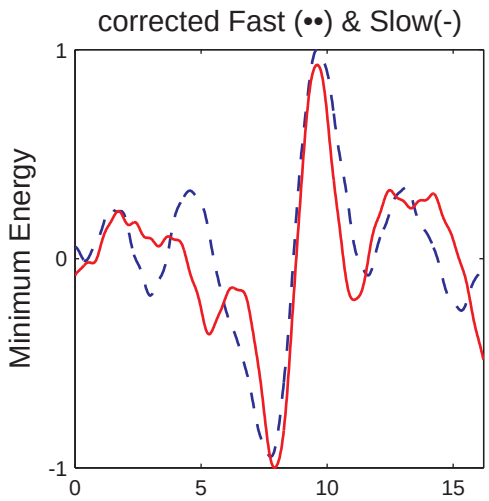
Inc = **10.4”**

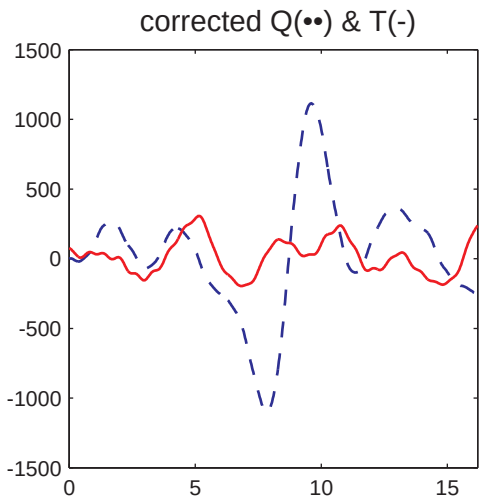


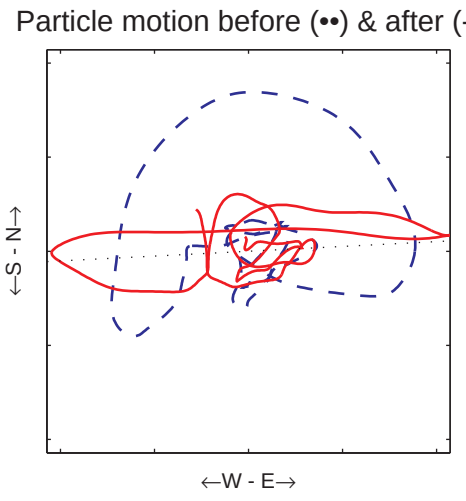


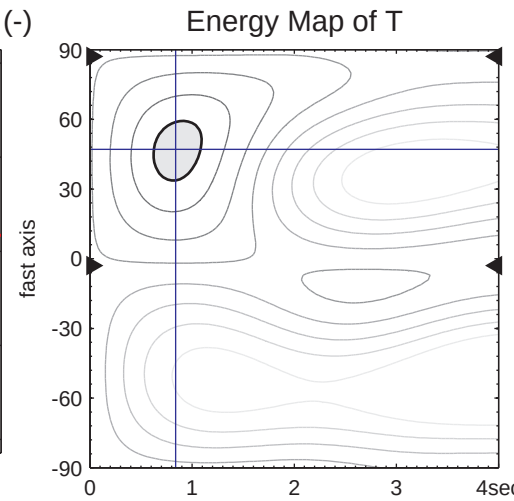


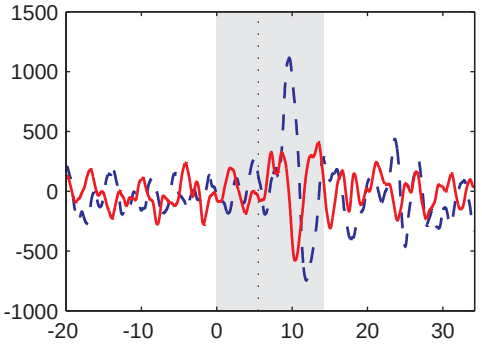








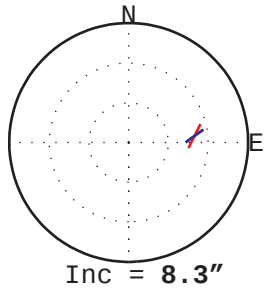


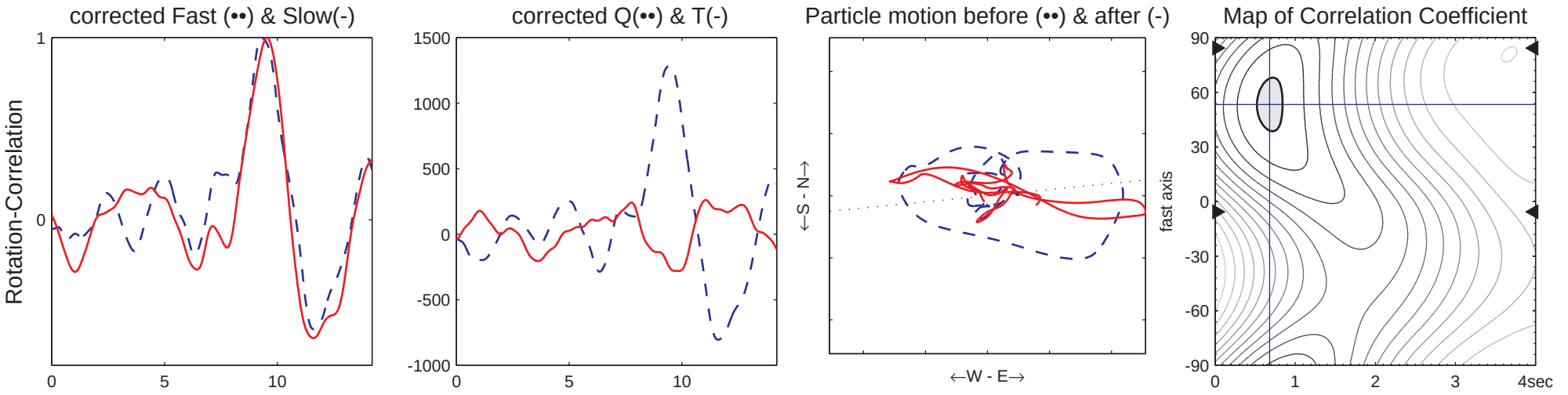


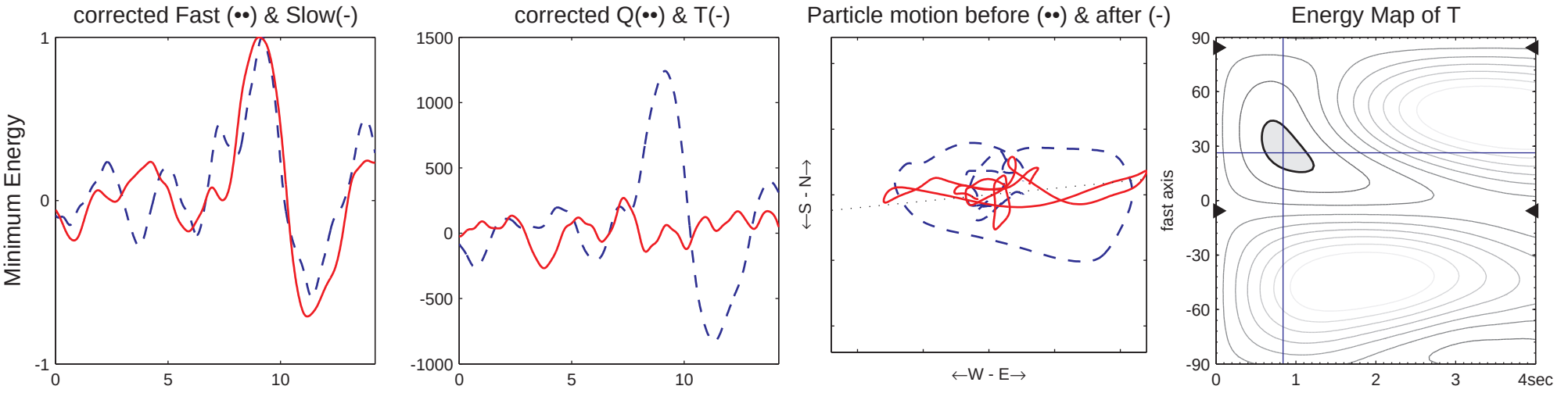
Event: **15-Oct-2009 (288) 12:11 -3.06N 139.54E 105km Mw=6.0**
Station: **SCER** Backazimuth: **84.3”** Distance: **101.47”**
init.Pol.: **278.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

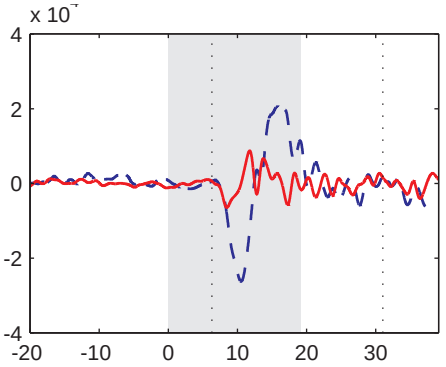
Rotation Correlation:	39<	53° <	68	0.5<0.7s<0.8
Minimum Energy:	15<	26° <	43	0.6<0.8s<1.2
Eigenvalue:	29<	54° <	78	0.5<0.7s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





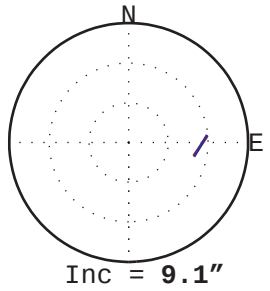


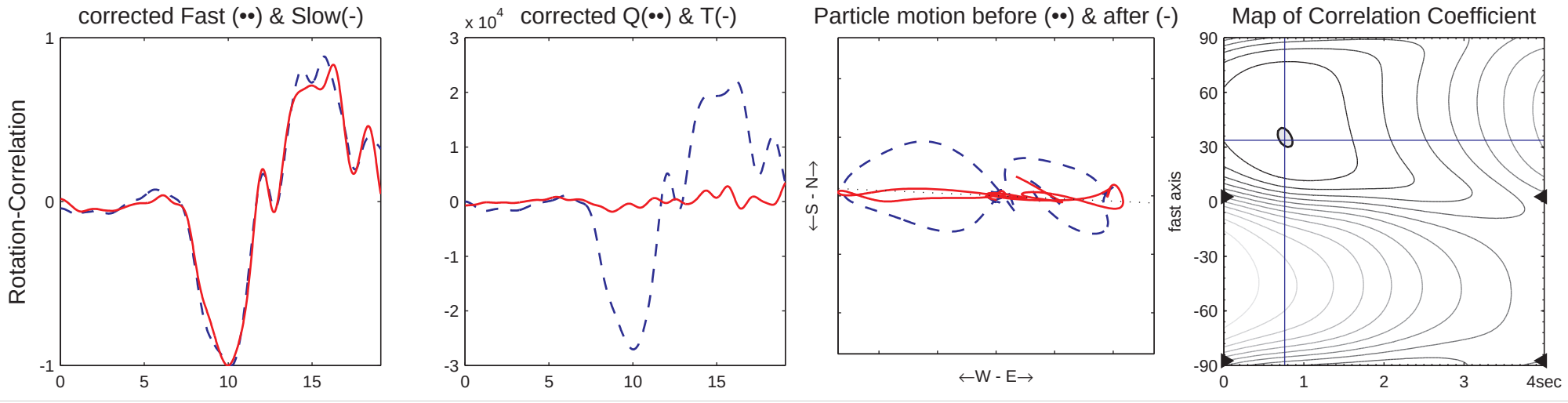


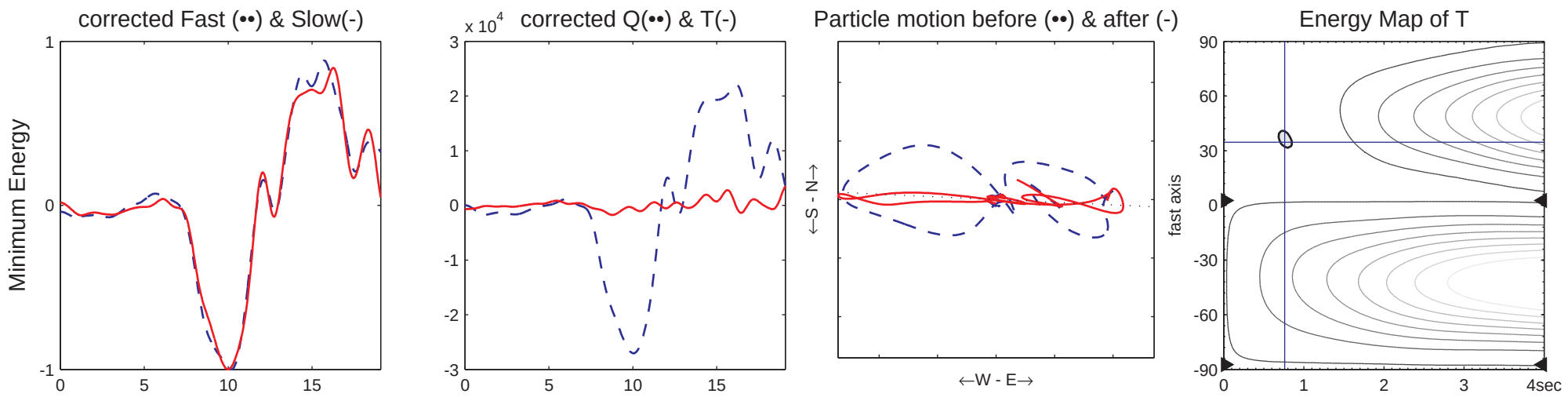
Event: **24-Oct-2009 (297) 14:40 -6.13N 130.38E 130km Mw=6.9**
Station: **SCER** Backazimuth: **92.6”** Distance: **96.42”**
init.Pol.: **269.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**15.3**

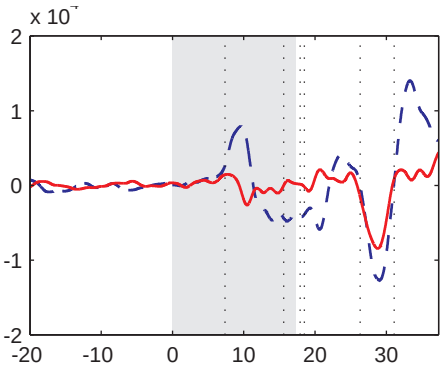
Rotation Correlation:	30<	34° <	41	0.7<0.8s<0.8
Minimum Energy:	31<	35° <	41	0.7<0.8s<0.8
Eigenvalue:	29<	31° <	37	0.7<0.8s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





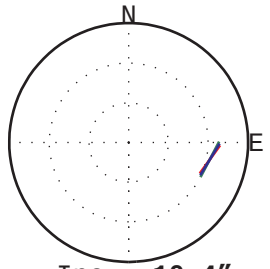




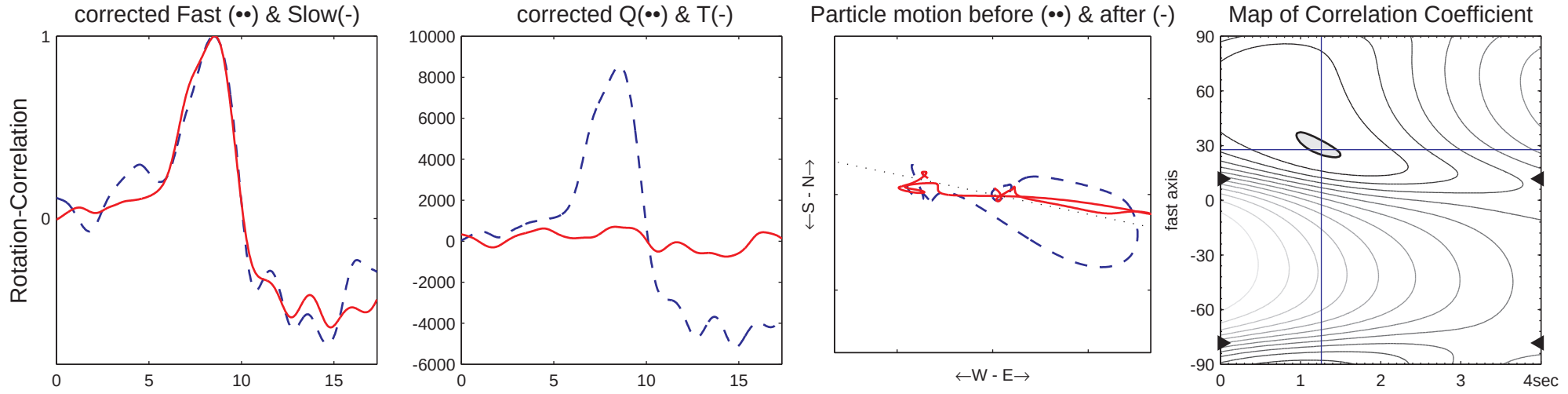
Event: **08-Nov-2009 (312) 19:41 -8.21N 118.63E 18km Mw=6.6**
Station: **SCER** Backazimuth: **101.7”** Distance: **88.81”**
init.Pol.: **278.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**12.4**

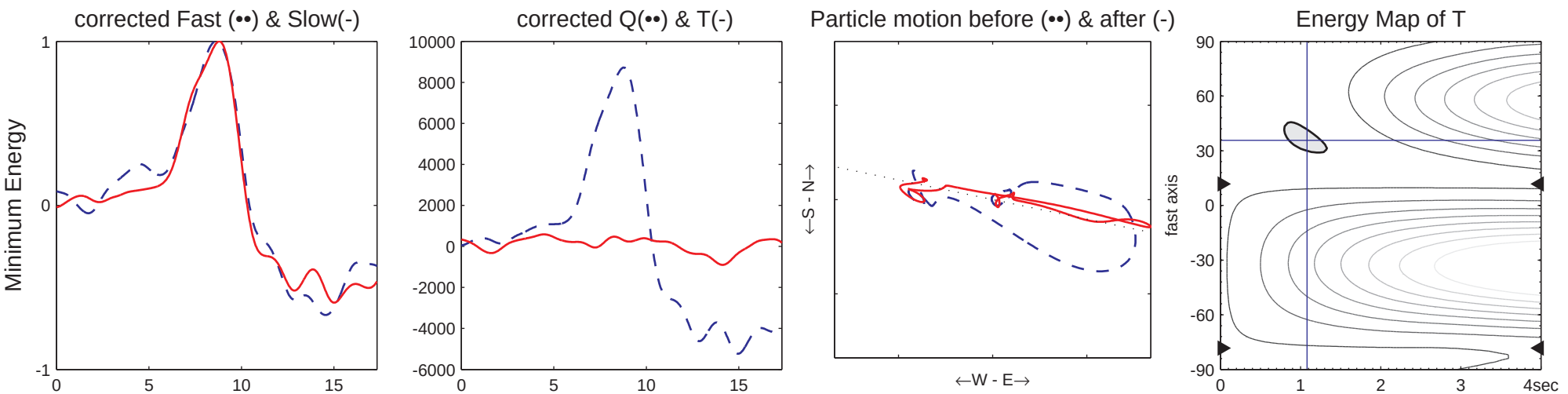
Rotation Correlation:	24<	28° <	38	1.0<1.3s<1.5
Minimum Energy:	29<	36° <	46	0.8<1.1s<1.3
Eigenvalue:	25<	32° <	37	1.0<1.2s<1.4

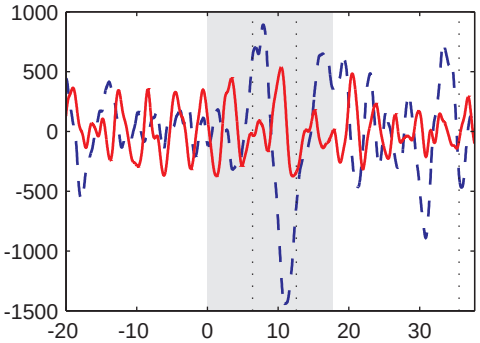
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



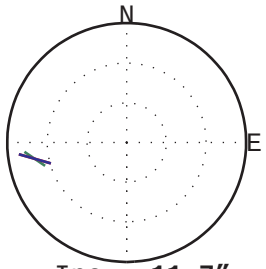




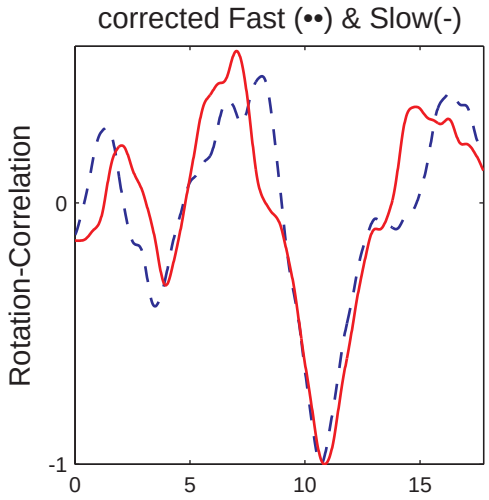
Event: **14-Nov-2009 (318) 19:44 -22.97N -66.64E 220km Mw=6.2**
Station: **SCER** Backazimuth: **259.9”** Distance: **114.73”**
init.Pol.: **80.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.5**

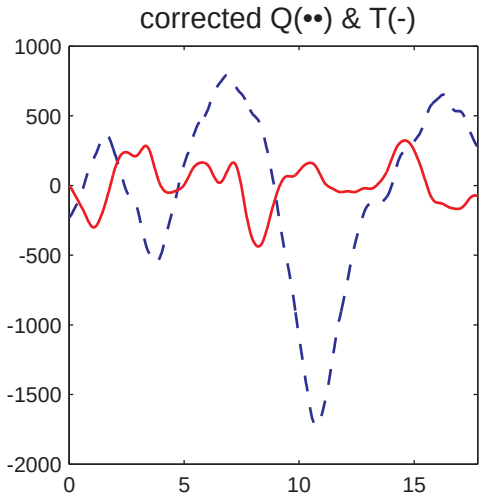
Rotation Correlation:	-70< -56° < -44	0.5<0.8s<1.1
Minimum Energy:	-92< -74° < -56	0.6<1.0s<1.7
Eigenvalue:	-92< -74° < -48	0.6<1.0s<1.7

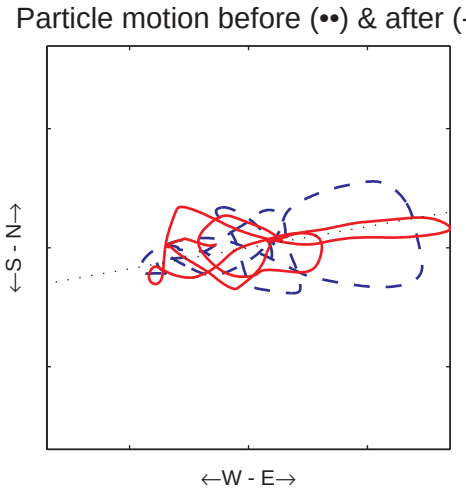
Quality: **fair** IsNull: **No** Phase: **SKKS**

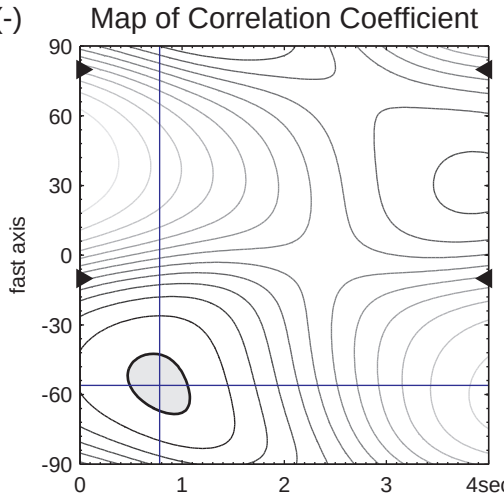


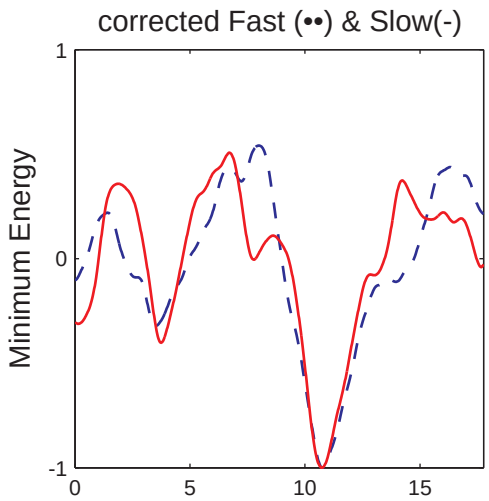
Inc = **11.7”**

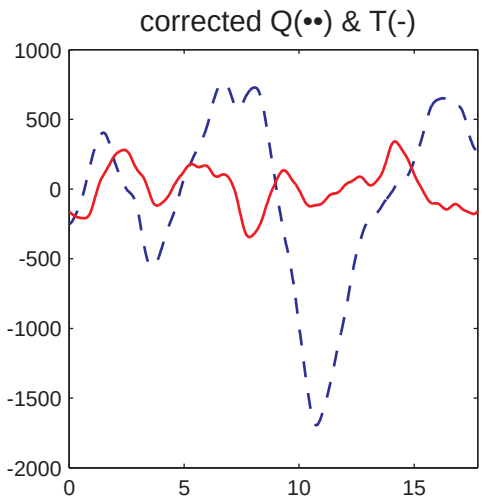


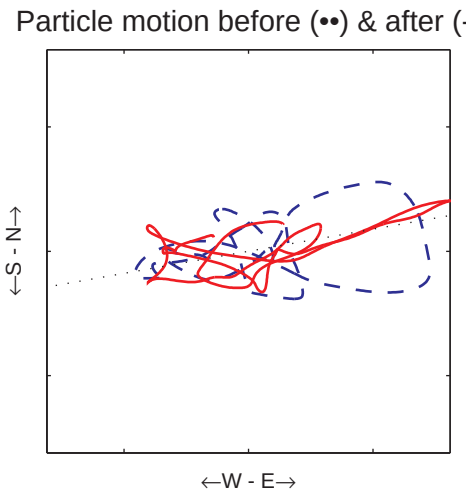


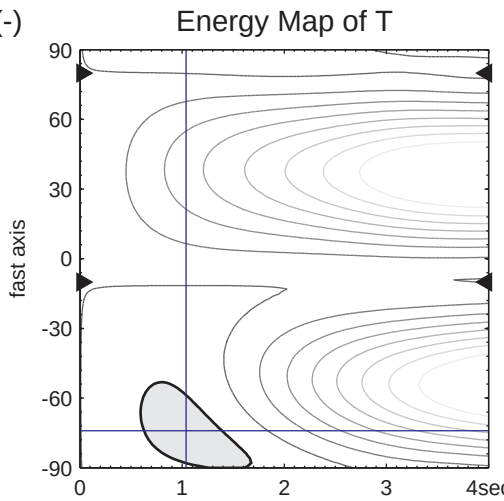


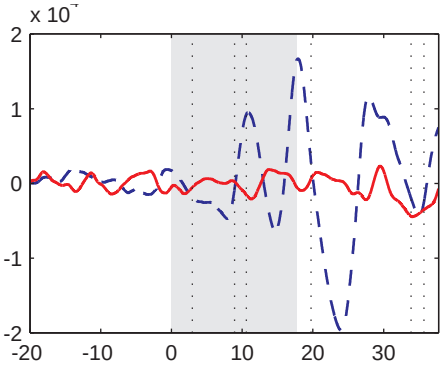








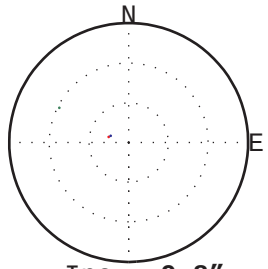


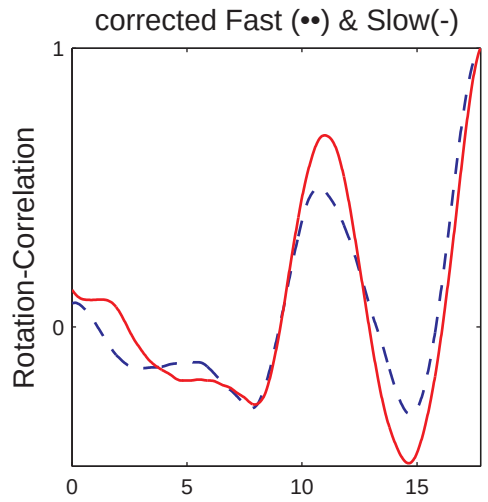


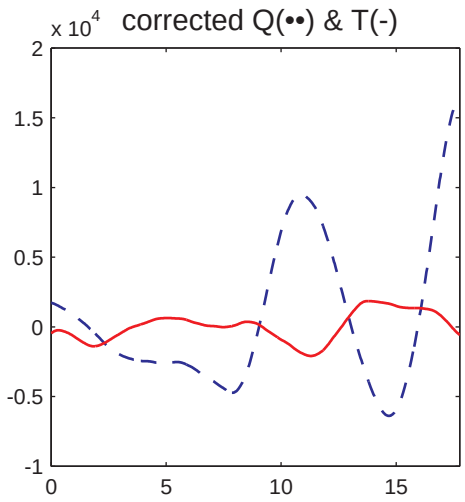
Event: **12-Jan-2010 (012) 21:53 18.44N -72.57E 13km Mw=7.0**
Station: **SCER** Backazimuth: **296.6”** Distance: **92.45”**
init.Pol.: **111.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**13.4**

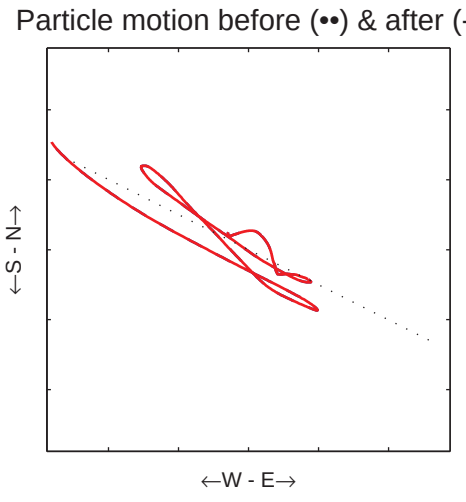
Rotation Correlation:	64<	78° < -89	0.0<0.0s<0.1
Minimum Energy:	-64<	-59° < -60	2.6<3.6s<4.0
Eigenvalue:	-68<	-61° < -60	3.1<3.7s<4.0

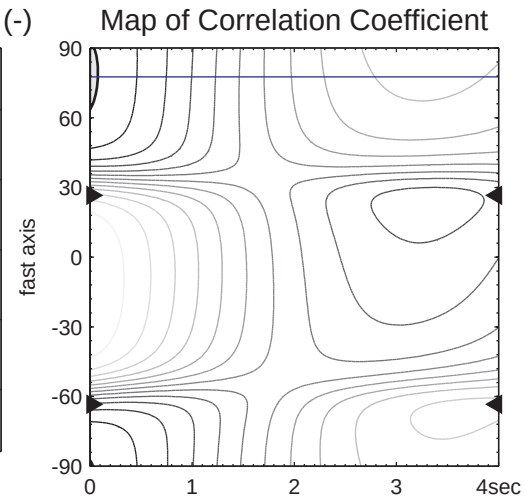
Quality: **good** IsNull: **Yes** Phase: **SKS**

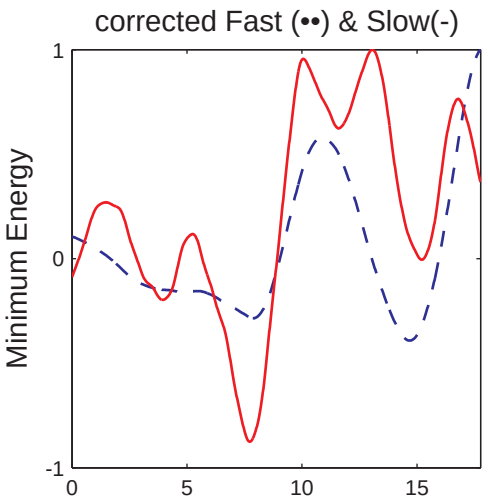


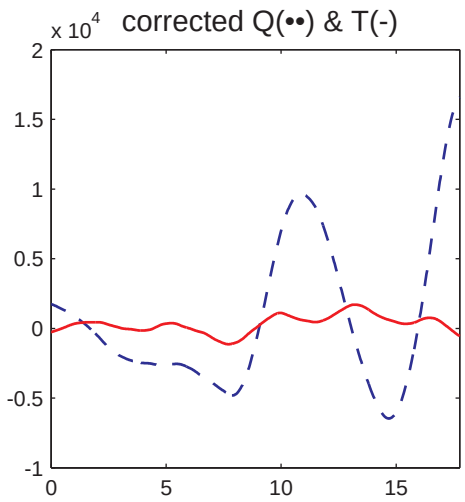


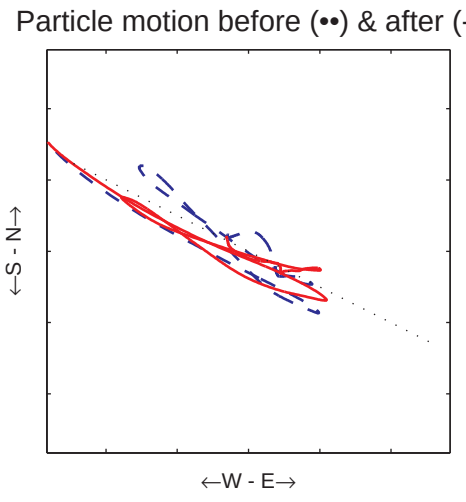


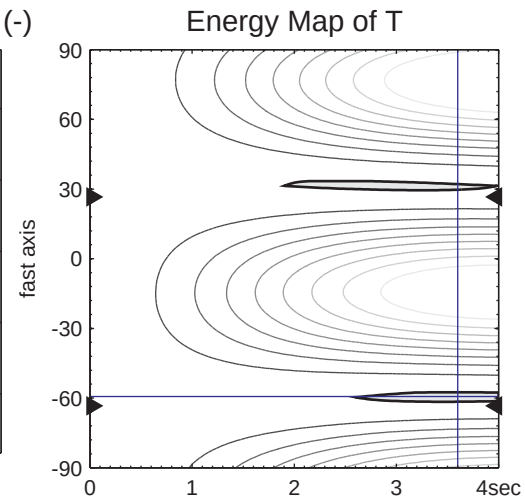


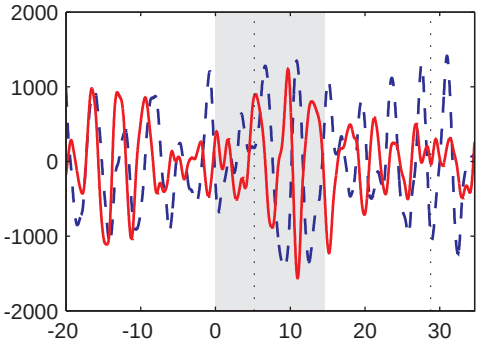








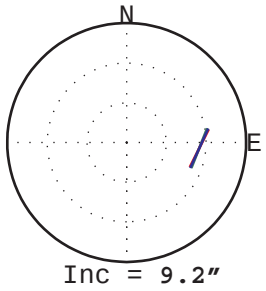


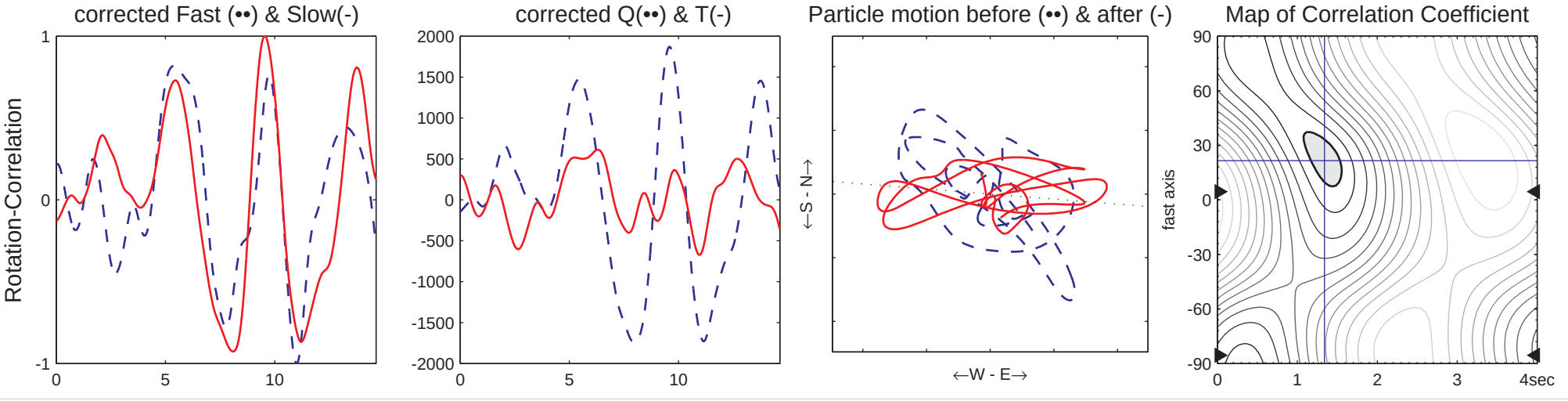


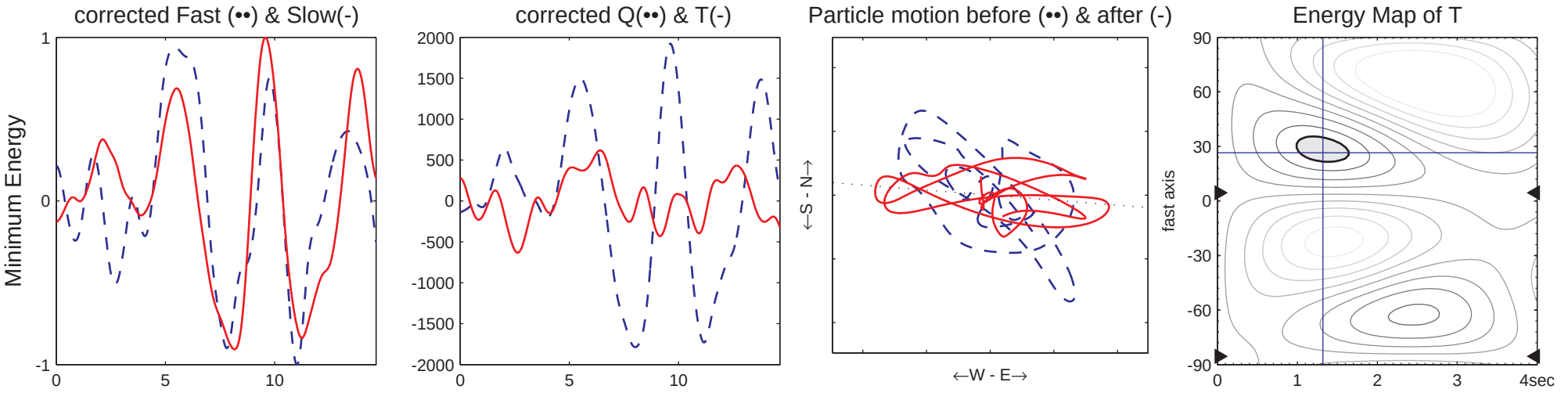
Event: **15-Feb-2010 (046) 21:51 -7.22N 128.72E 126km** Mw=6.2
Station: **SCER** Backazimuth: **94.5”** Distance: **95.84”**
init.Pol.: **270.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.3**

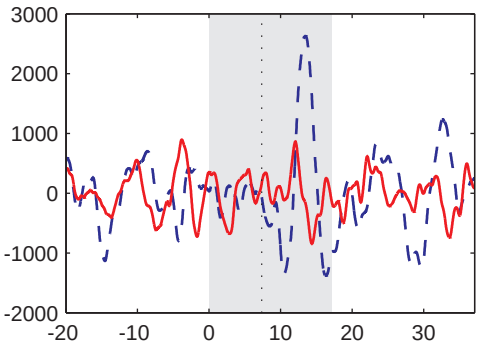
Rotation Correlation:	8<	22° <	38	1.1<1.3s<1.6
Minimum Energy:	21<	27° <	35	1.0<1.3s<1.6
Eigenvalue:	7<	25° <	48	0.8<1.4s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





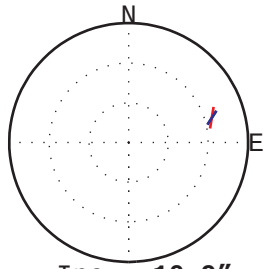




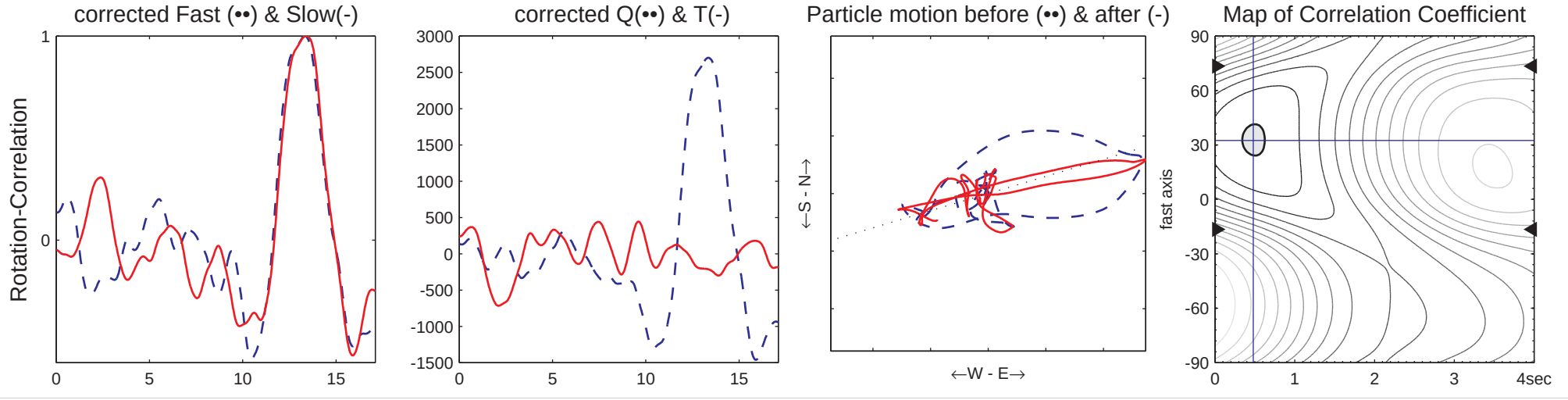
Event: **04-Mar-2010 (063) 14:02 -13.57N 167.23E 176km** Mw=**6.5**
Station: **SCER** Backazimuth: **73.4”** Distance: **129.12”**
init.Pol.: **257.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

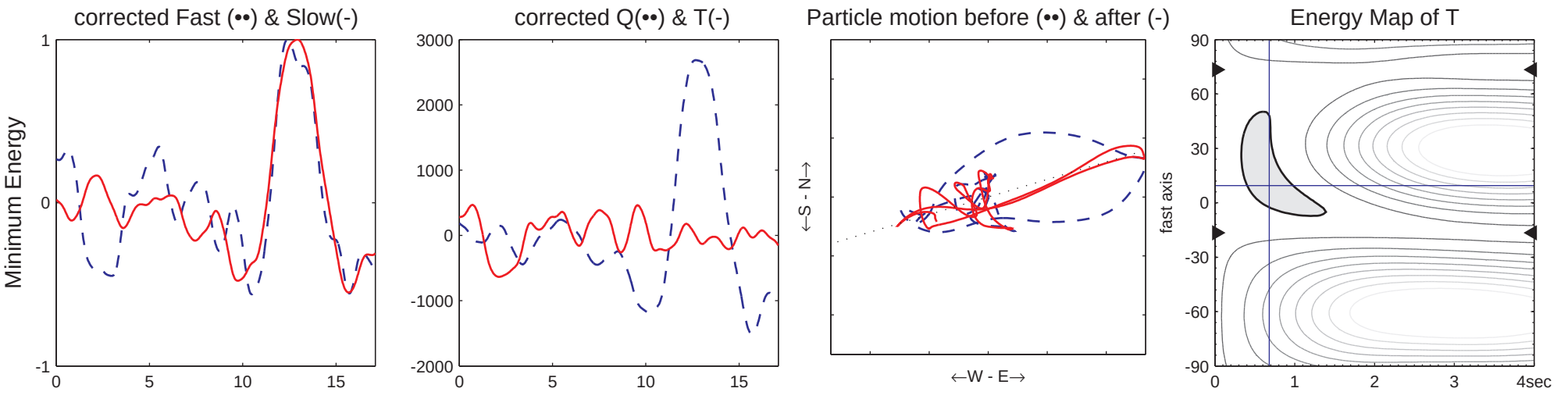
Rotation Correlation:	25<	32° <	42	0.4<0.5s<0.6
Minimum Energy:	-7<	9° <	50	0.3<0.7s<1.4
Eigenvalue:	-11<	33° <	72	0.3<0.5s<1.5

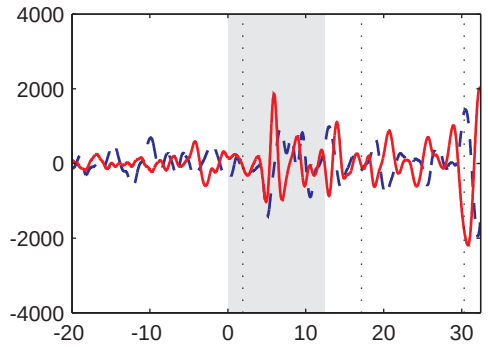
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **10.9”**



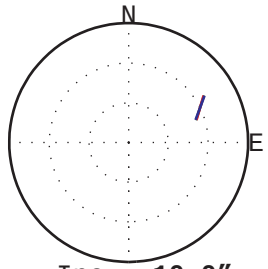




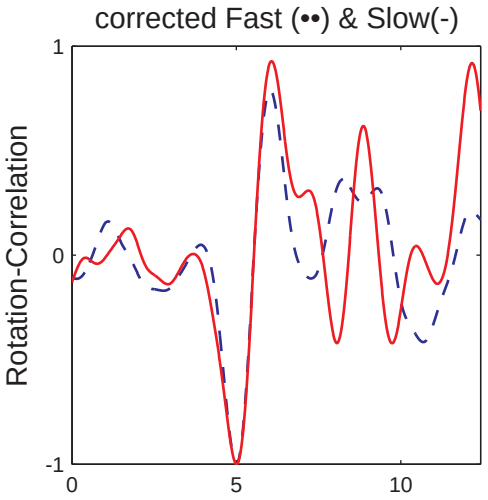
Event: **08-Mar-2010 (067) 09:47 19.35N 144.74E 427km Mw=6.1**
Station: **SCER** Backazimuth: **64.1”** Distance: **90.39”**
init.Pol.: **247.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.7**

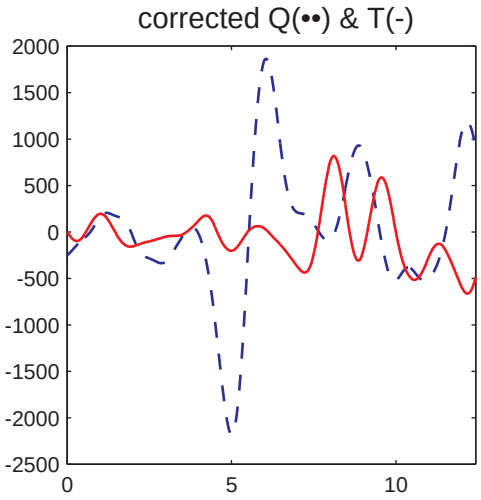
Rotation Correlation:	9<	18° <	29	0.7<0.8s<0.9
Minimum Energy:	9<	16° <	27	0.6<0.8s<1.0
Eigenvalue:	-1<	20° <	39	0.6<0.8s<1.0

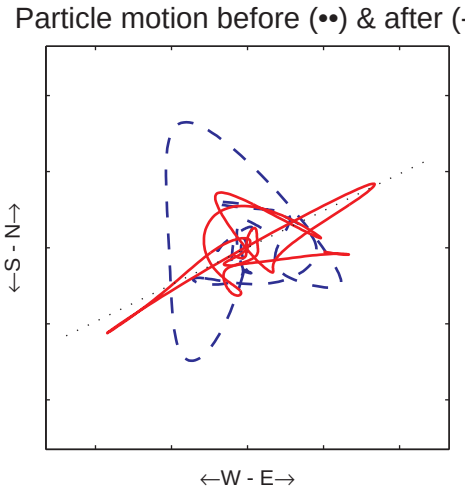
Quality: **good** IsNull: **No** Phase: **SKS**

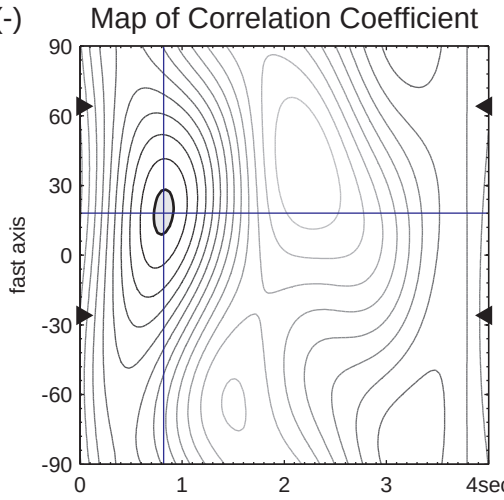


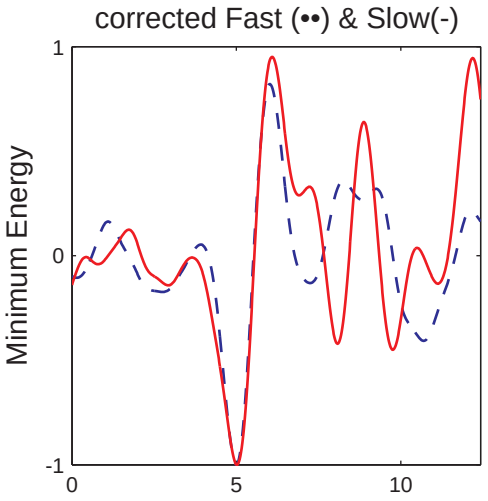
Inc = **10.0”**

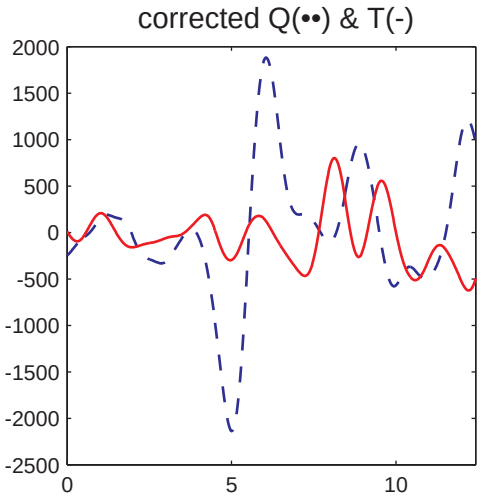


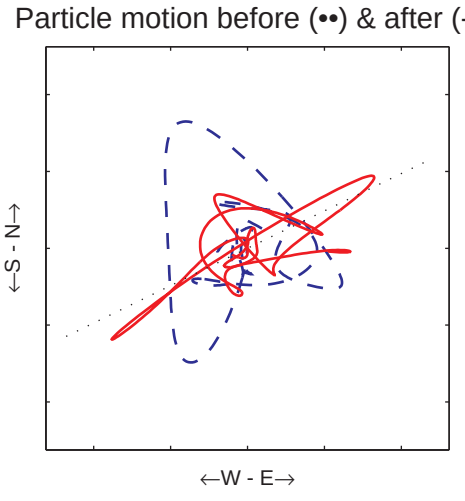


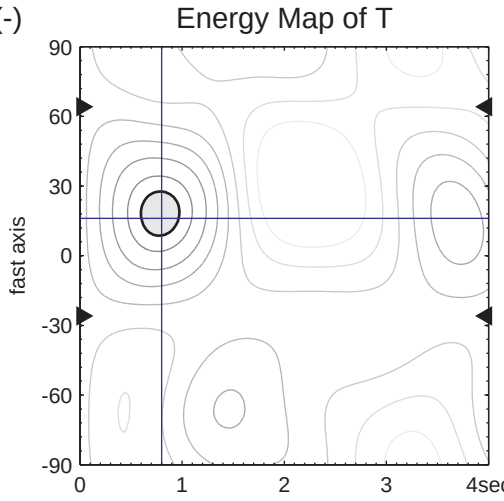


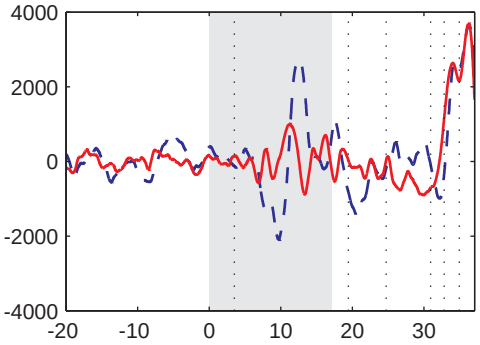








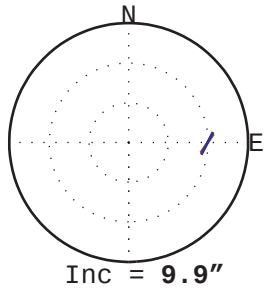


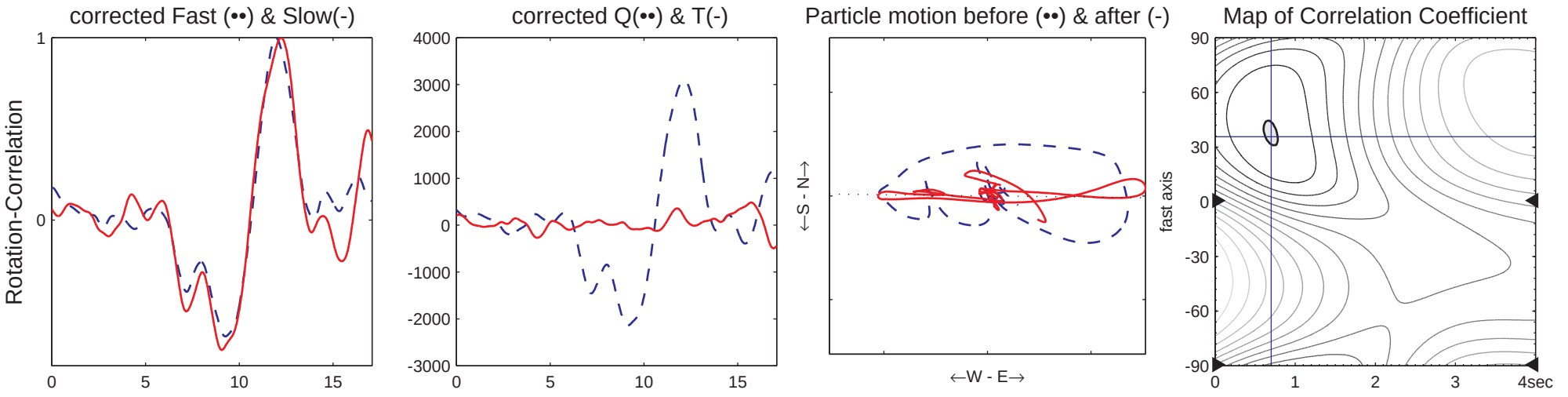


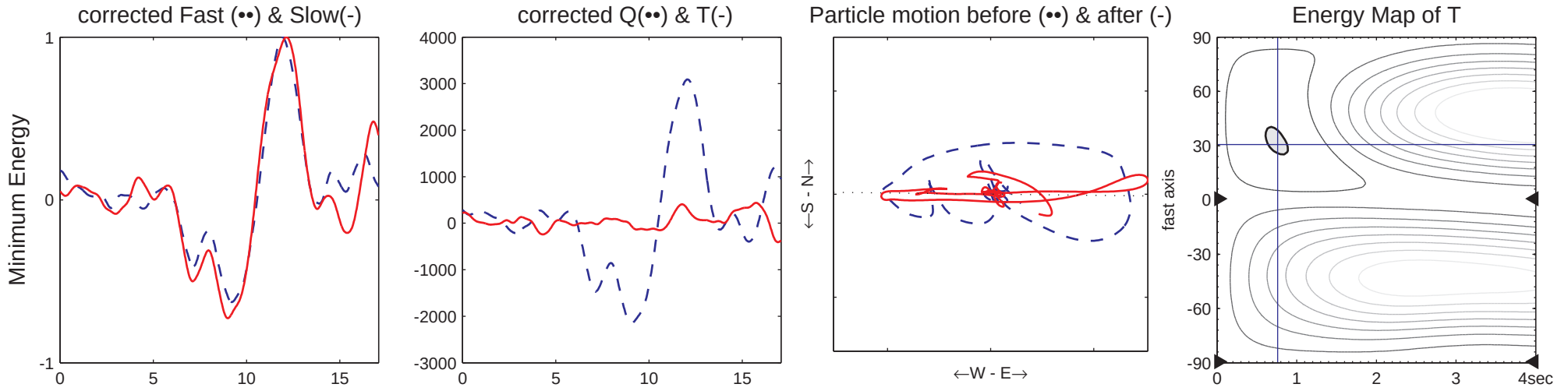
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **SCER** Backazimuth: **90.7”** Distance: **91.86”**
init.Pol.: **267.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.4**

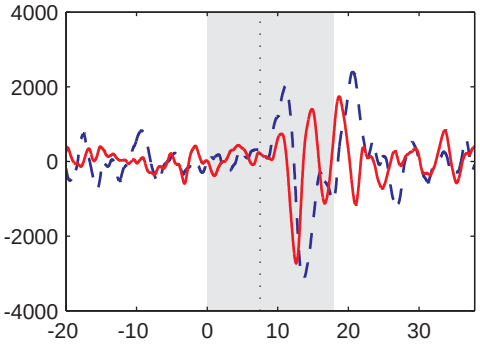
Rotation Correlation:	31<	36° <	45	0.6<0.7s<0.8
Minimum Energy:	25<	31° <	39	0.6<0.8s<0.9
Eigenvalue:	19<	27° <	35	0.6<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





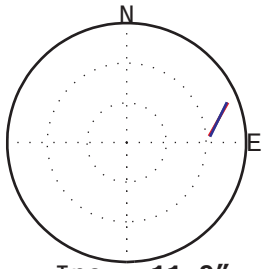




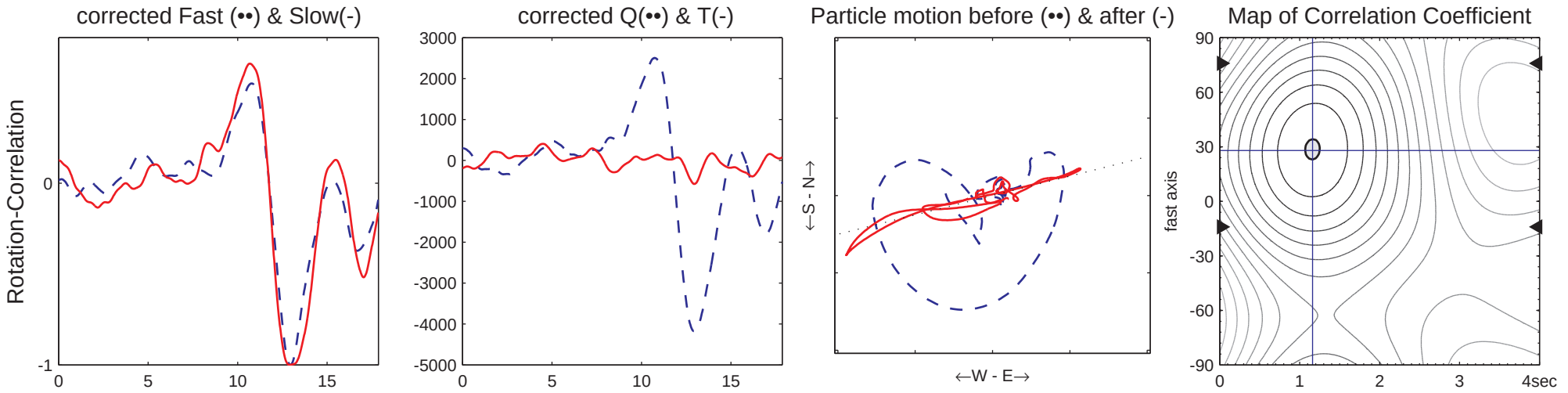
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **SCER** Backazimuth: **75.9”** Distance: **111.27”**
init.Pol.: **251.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.1**

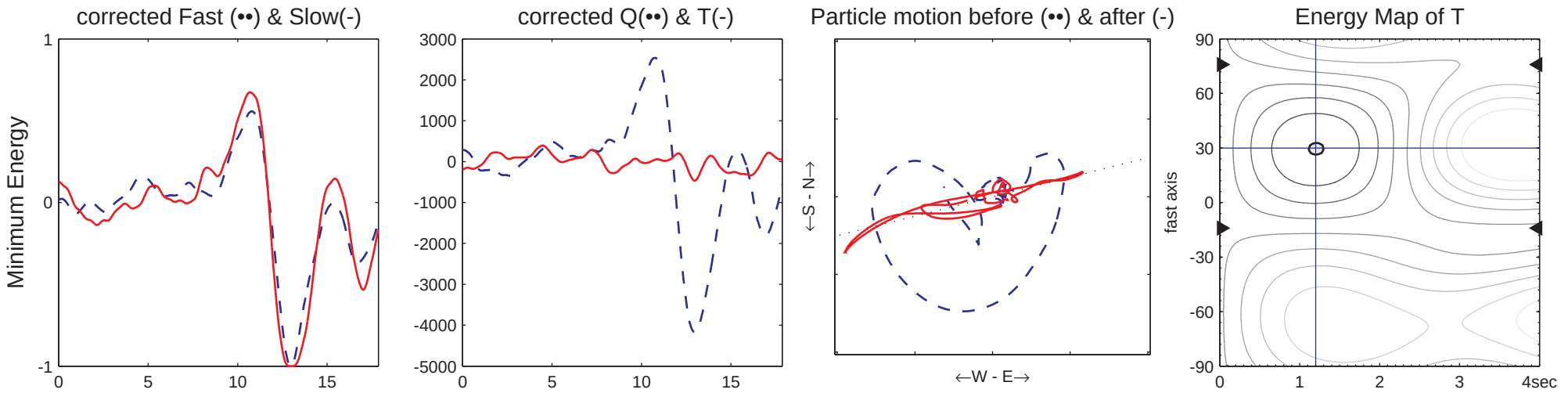
Rotation Correlation:	23<	28° <	35	1.1<1.2s<1.2
Minimum Energy:	27<	30° <	33	1.1<1.2s<1.3
Eigenvalue:	21<	26° <	31	1.1<1.2s<1.3

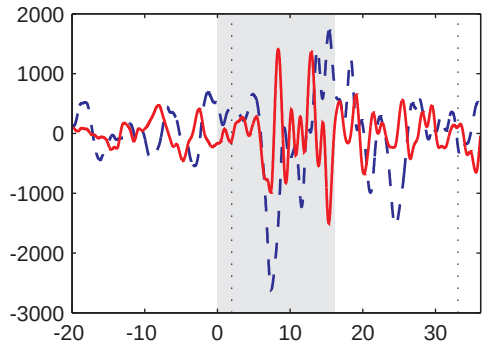
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **11.9”**



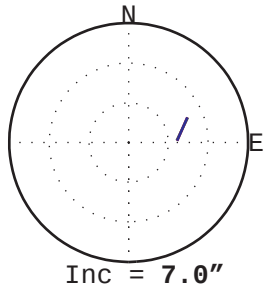


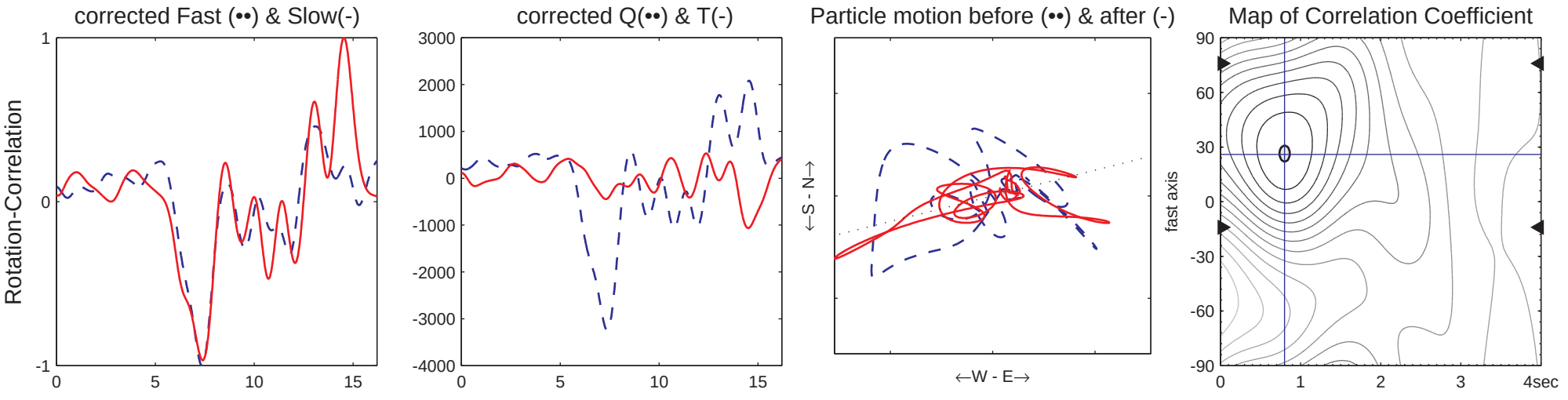


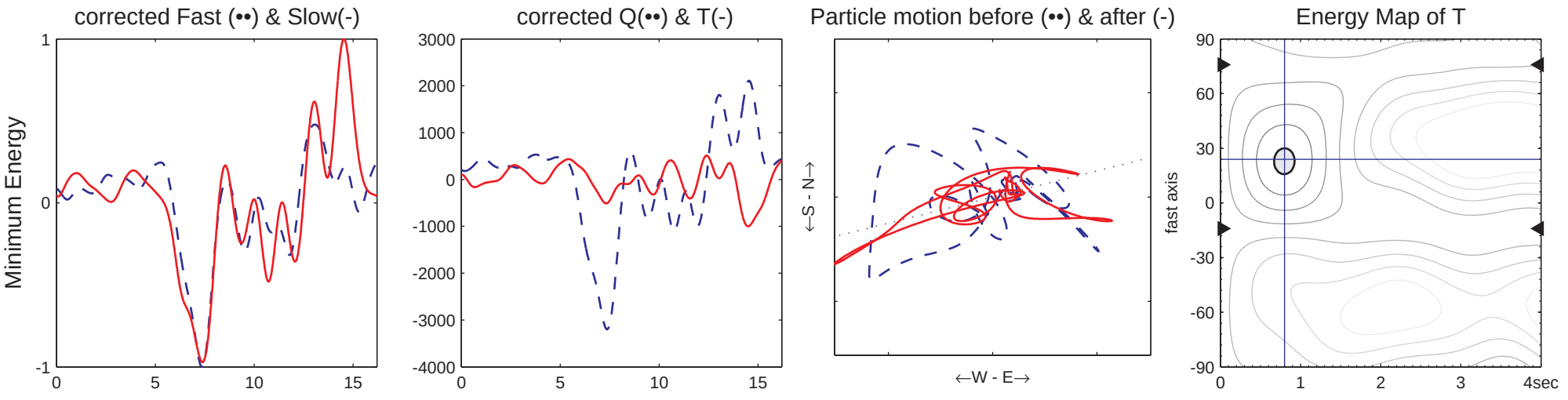
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **SCER** Backazimuth: **75.9”** Distance: **111.27”**
init.Pol.: **256.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.9**

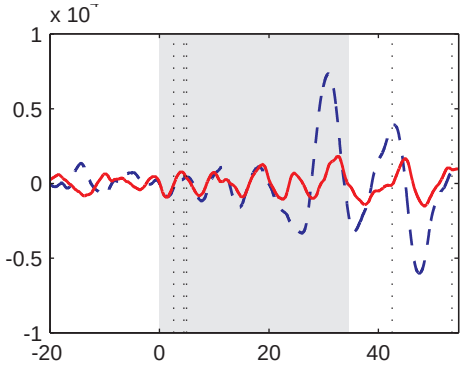
Rotation Correlation:	22<	26° <	31	0.7<0.8s<0.9
Minimum Energy:	15<	24° <	29	0.7<0.8s<0.9
Eigenvalue:	13<	24° <	31	0.7<0.8s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





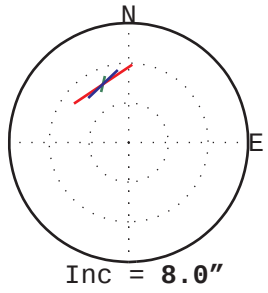


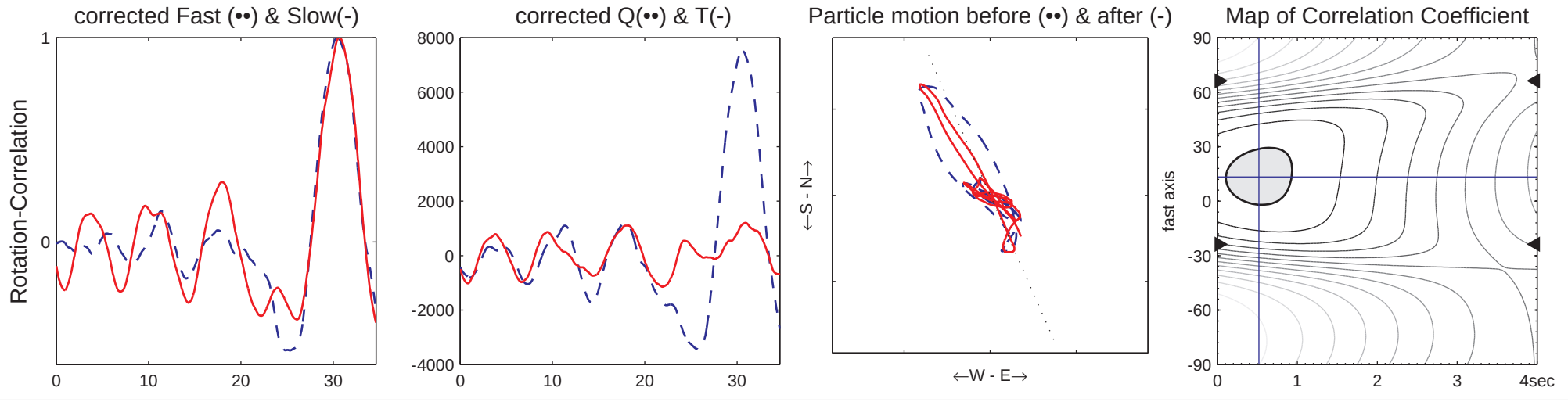


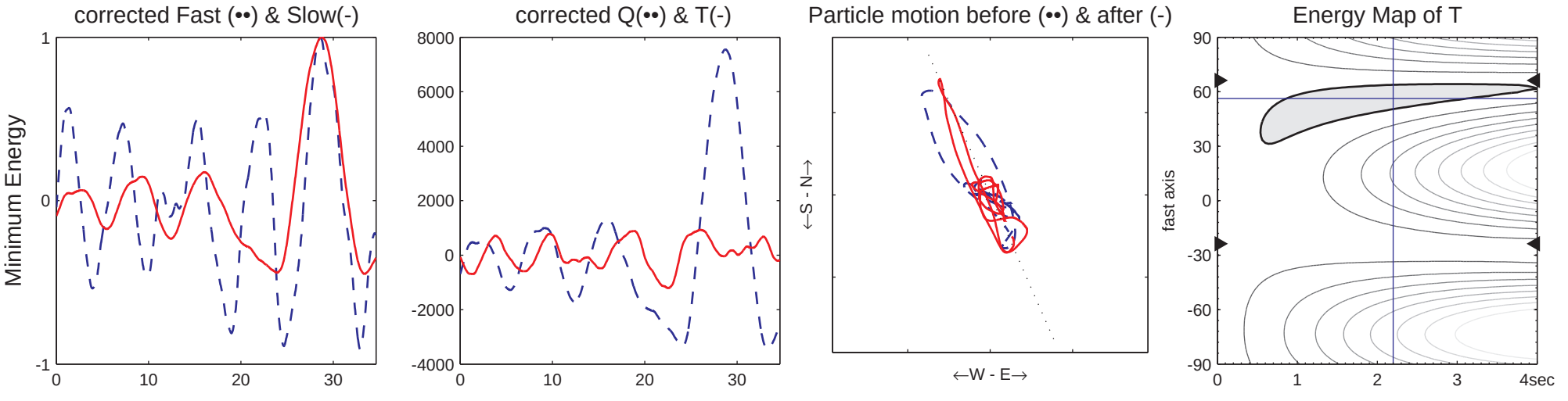
Event: **04-Apr-2010 (094) 22:40 32.30N -115.28E 4km Mw=7.2**
Station: **SCER** Backazimuth: **336.3”** Distance: **103.45”**
init.Pol.: **150.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.1**

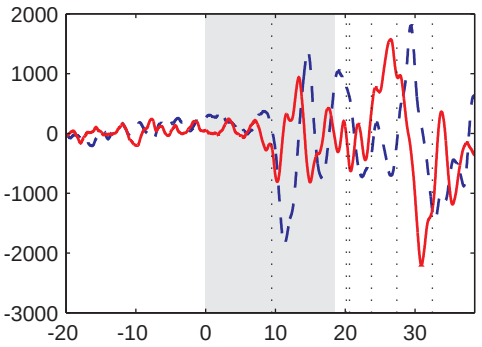
Rotation Correlation:	-3<	13° <	30	0.1<0.5s<0.9
Minimum Energy:	31<	56° <	64	0.5<2.2s<4.0
Eigenvalue:	-31<	46° <	64	0.2<1.3s<3.4

Quality: **fair** IsNull: **Yes** Phase: **SKS**





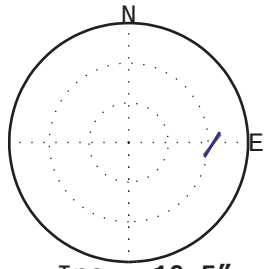




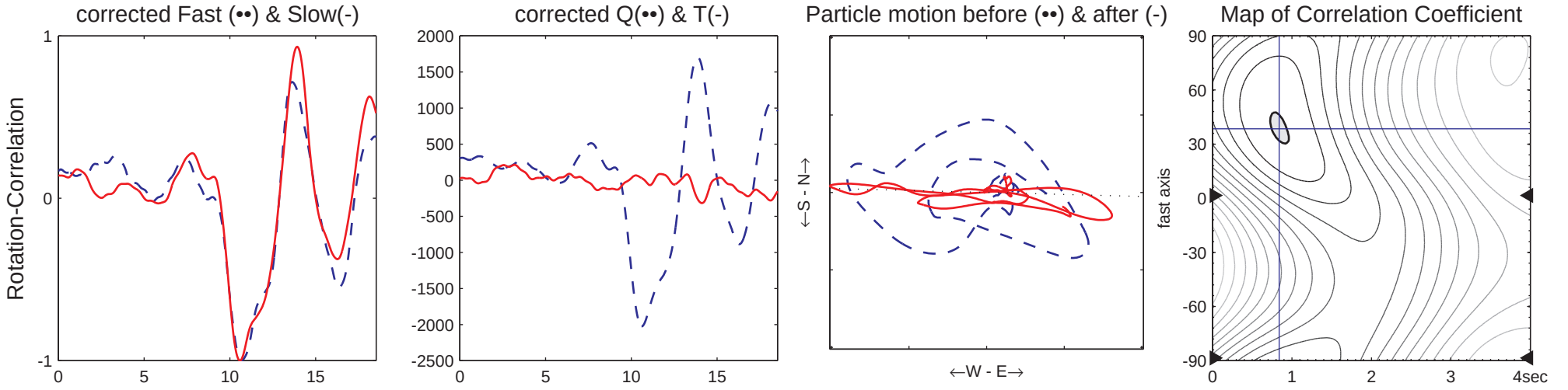
Event: **05-Apr-2010 (095) 10:05 -0.18N 125.01E 25km Mw=6.2**
Station: **SCER** Backazimuth: **91.5”** Distance: **88.49”**
init.Pol.: **270.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.3**

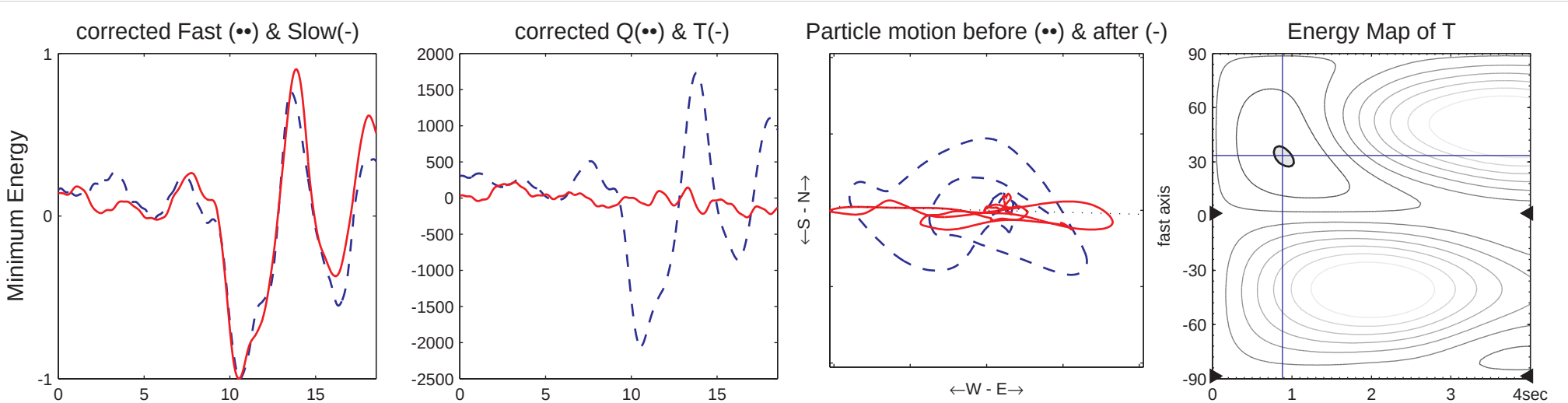
Rotation Correlation:	31<	38° <	48	0.7<0.8s<1.0
Minimum Energy:	27<	33° <	39	0.8<0.9s<1.0
Eigenvalue:	23<	31° <	41	0.8<0.9s<1.0

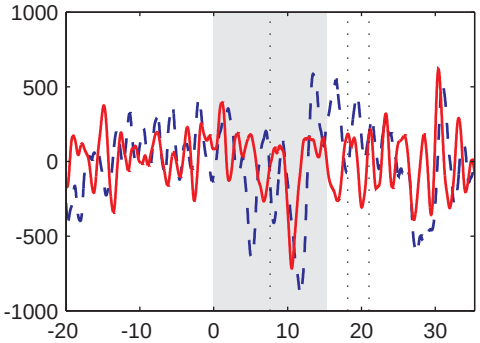
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.5”**



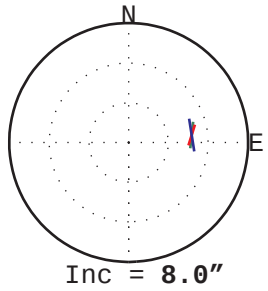


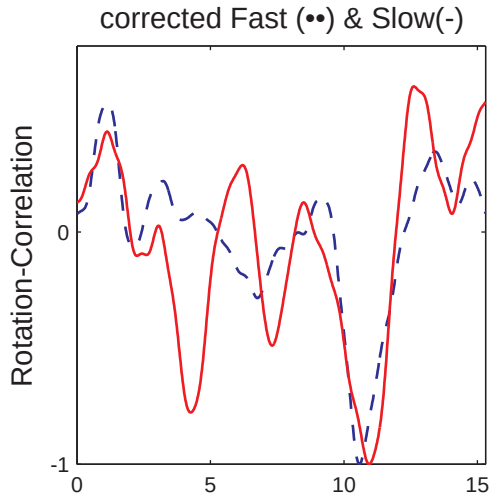


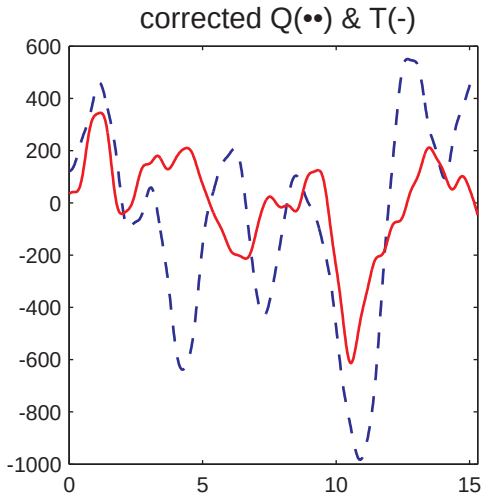
Event: **07-Apr-2010 (097) 14:33 -3.76N 141.94E 23km Mw=6.0**
Station: **SCER** Backazimuth: **83.3”** Distance: **103.76”**
init.Pol.: **236.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.7**

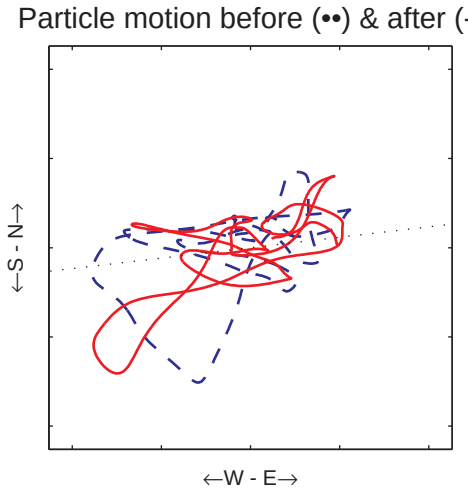
Rotation Correlation:	-5<	6° <	21	0.6<0.8s<1.1
Minimum Energy:	-1<	17° <	70	0.2<0.7s<1.3
Eigenvalue:	-25<	-9° <	5	0.7<1.0s<1.4

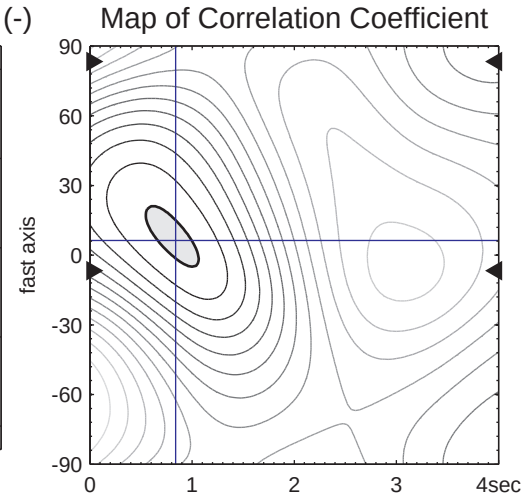
Quality: **fair** IsNull: **No** Phase: **SKS**

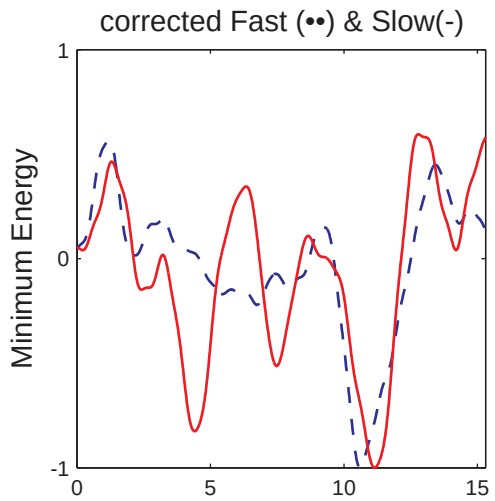


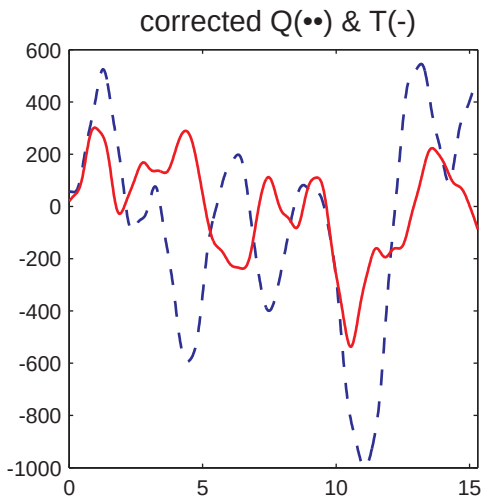


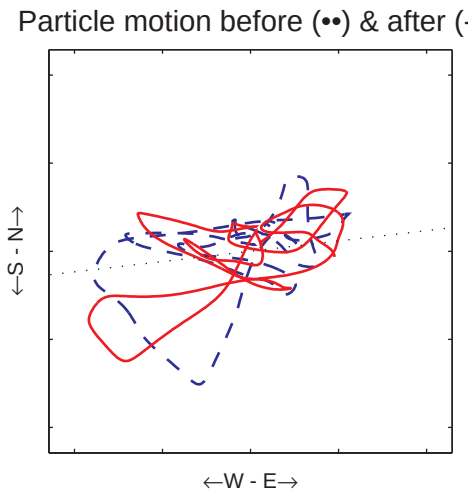


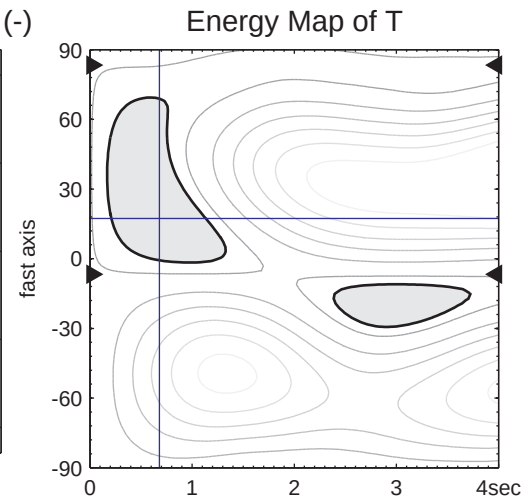


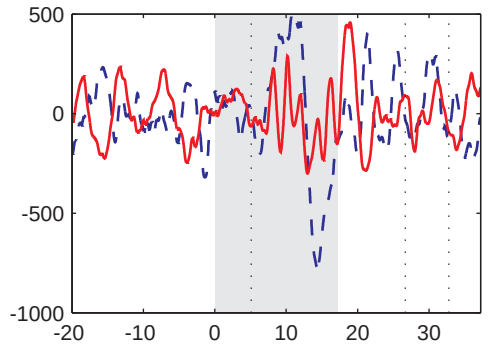








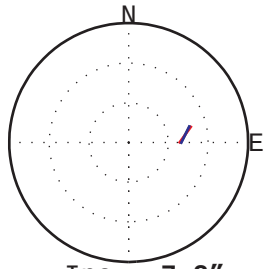




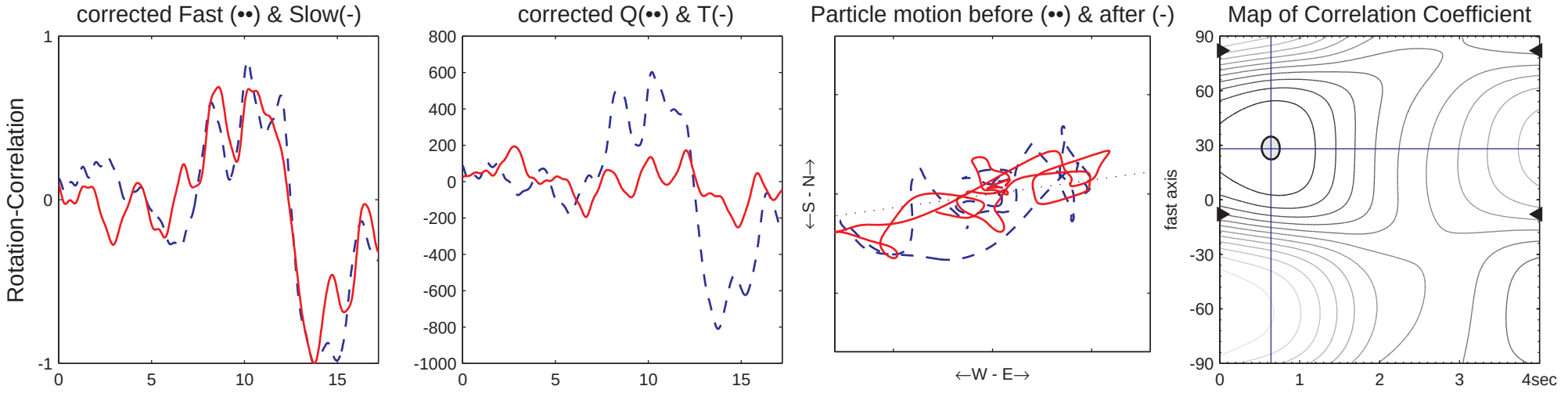
Event: **17-Apr-2010 (107) 23:15 -6.67N 147.29E 53km Mw=6.2**
Station: **SCER** Backazimuth: **82.0”** Distance: **109.71”**
init.Pol.: **252.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

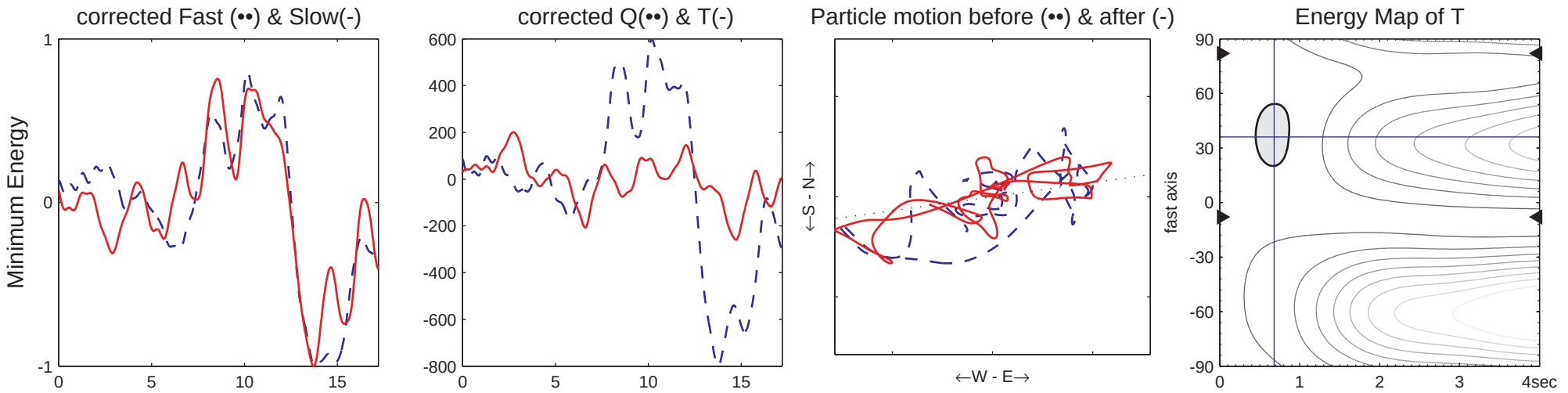
Rotation Correlation:	22<	28° <	35	0.5<0.6s<0.8
Minimum Energy:	19<	36° <	54	0.4<0.7s<0.9
Eigenvalue:	13<	26° <	43	0.5<0.6s<0.8

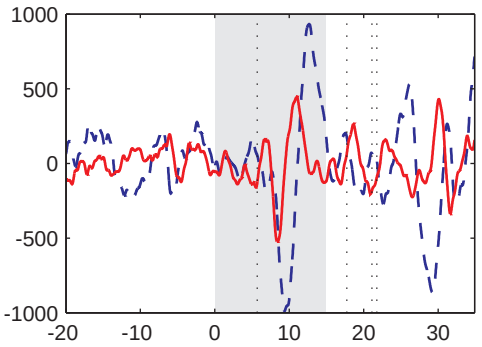
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.2”**



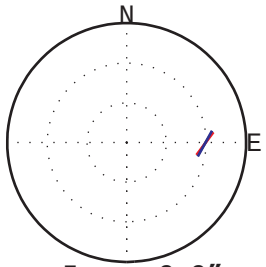


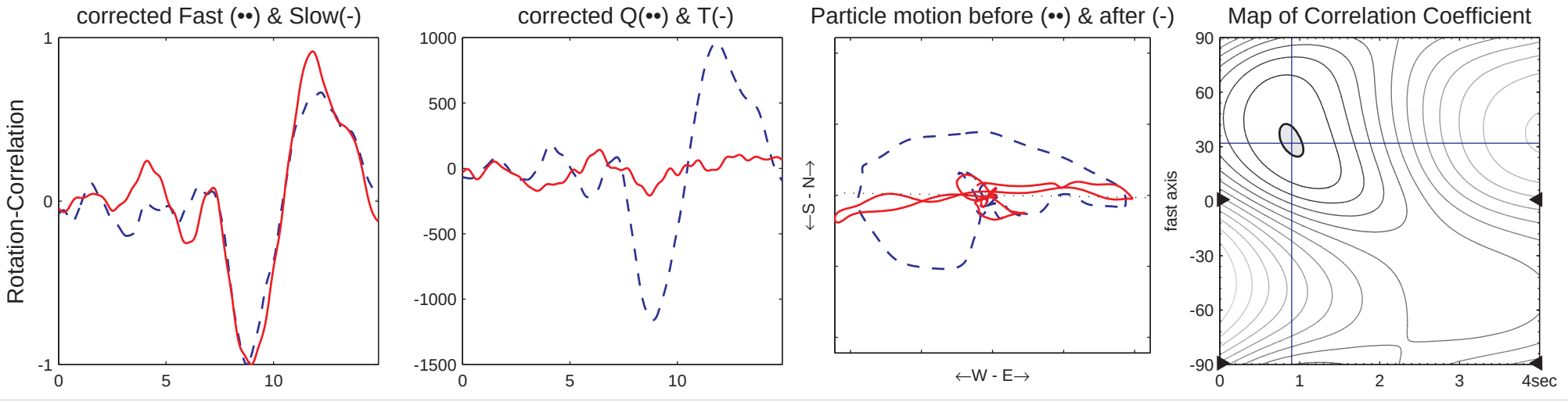


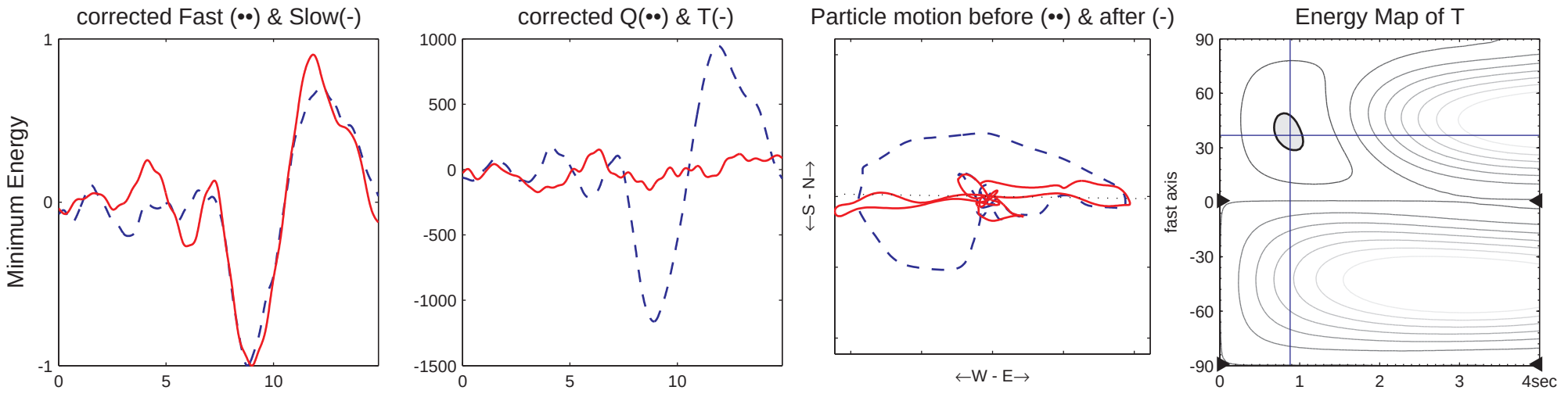
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **SCER** Backazimuth: **90.8”** Distance: **91.99”**
init.Pol.: **264.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.2**

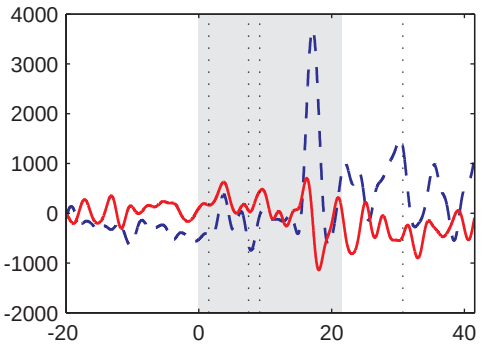
Rotation Correlation:	25<	32° <	43	0.8<0.9s<1.0
Minimum Energy:	29<	37° <	50	0.7<0.9s<1.0
Eigenvalue:	19<	29° <	39	0.8<0.9s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





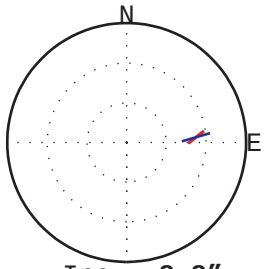




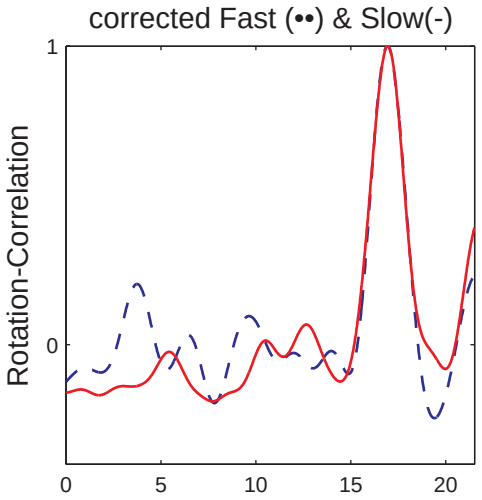
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **SCER** Backazimuth: **85.7”** Distance: **98.82”**
init.Pol.: **278.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

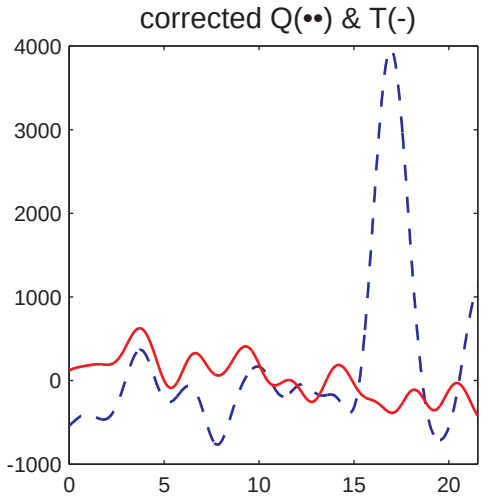
Rotation Correlation:	43<	54° <	67	0.5<0.6s<0.8
Minimum Energy:	23<	50° <	68	0.4<0.6s<0.9
Eigenvalue:	58<	74° <	86	0.6<0.9s<1.3

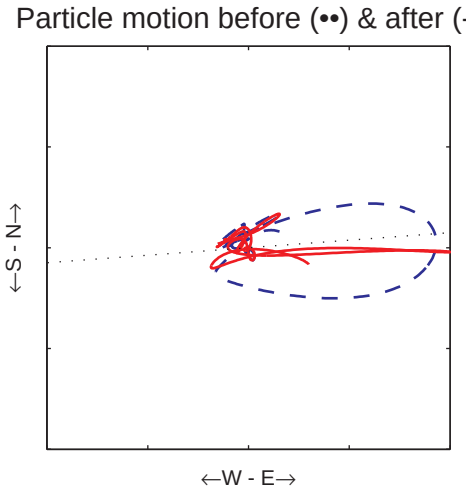
Quality: **good** IsNull: **No** Phase: **SKS**

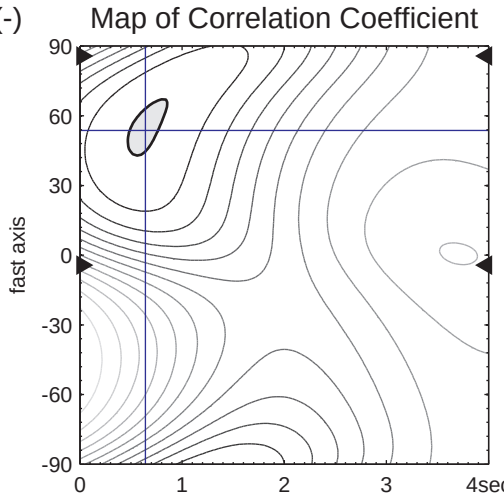


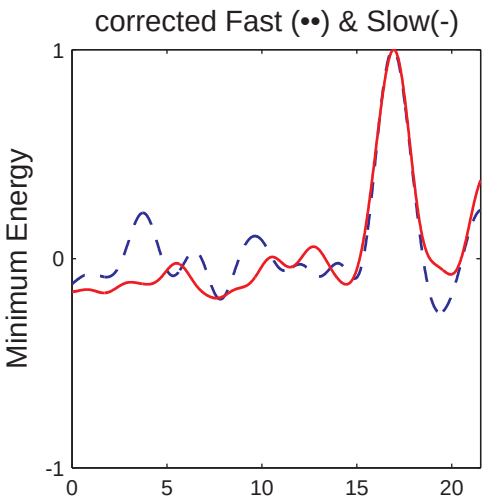
Inc = **8.8”**

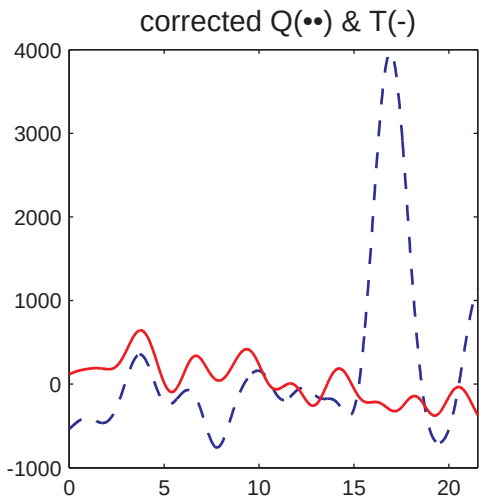


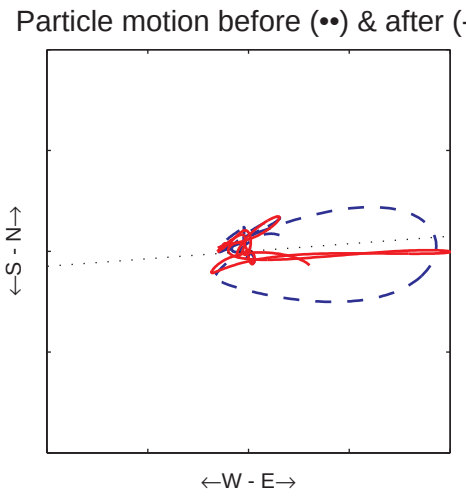


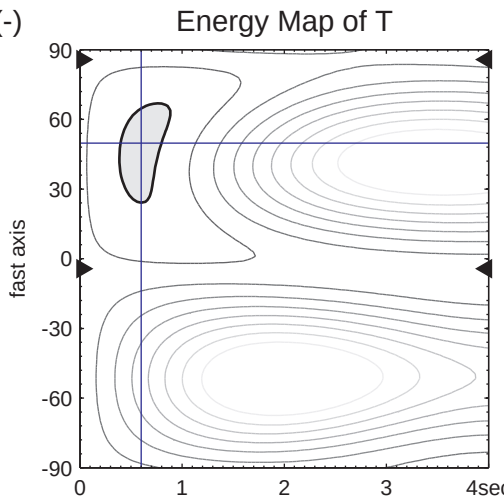


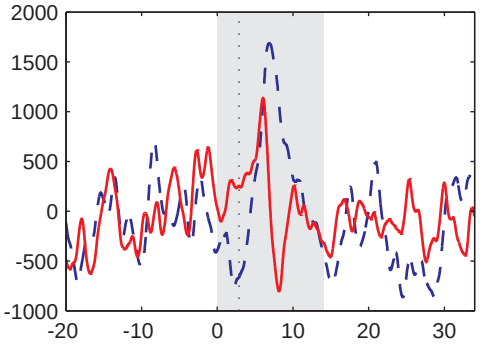








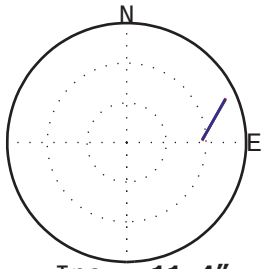




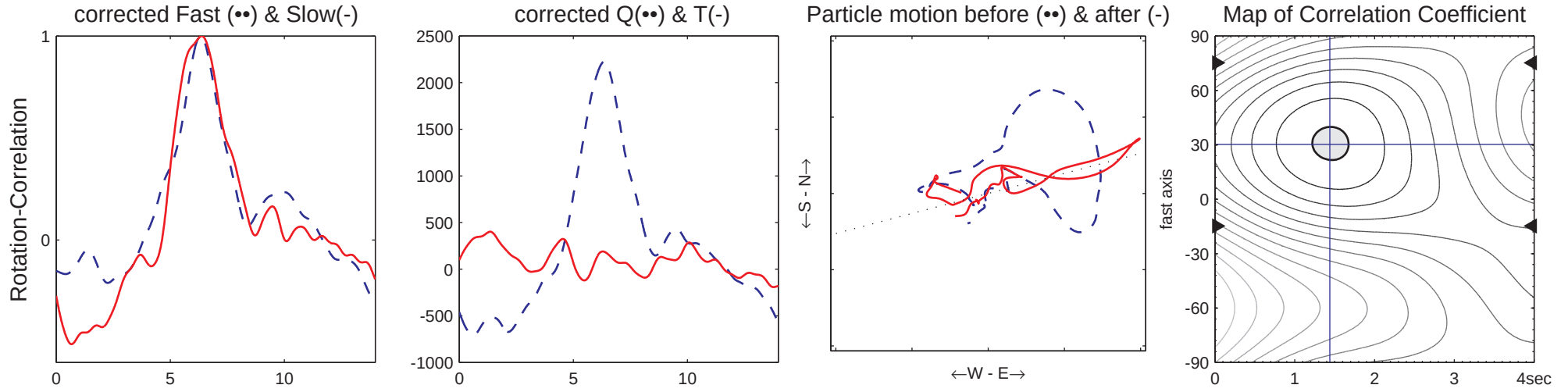
Event: **26-Jun-2010 (177) 05:30 -10.63N 161.45E 35km Mw=6.7**
Station: **SCER** Backazimuth: **75.3”** Distance: **122.92”**
init.Pol.: **256.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.7**

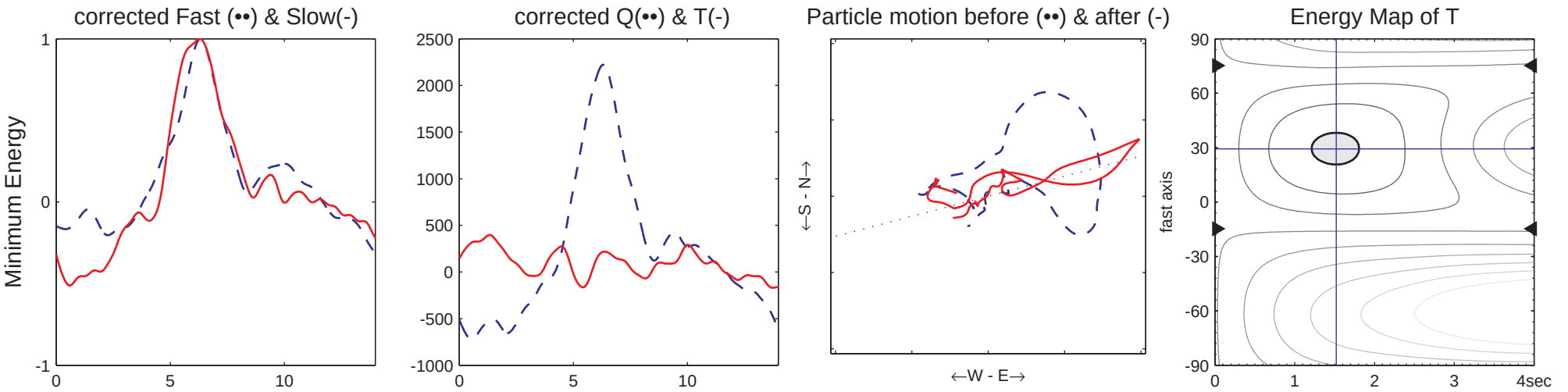
Rotation Correlation:	22<	30° <	40	1.2<1.4s<1.7
Minimum Energy:	21<	29° <	37	1.2<1.5s<1.8
Eigenvalue:	21<	29° <	39	1.2<1.5s<1.8

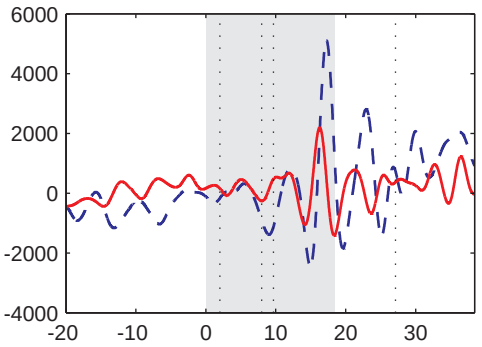
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **11.4”**



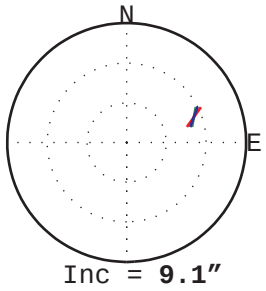


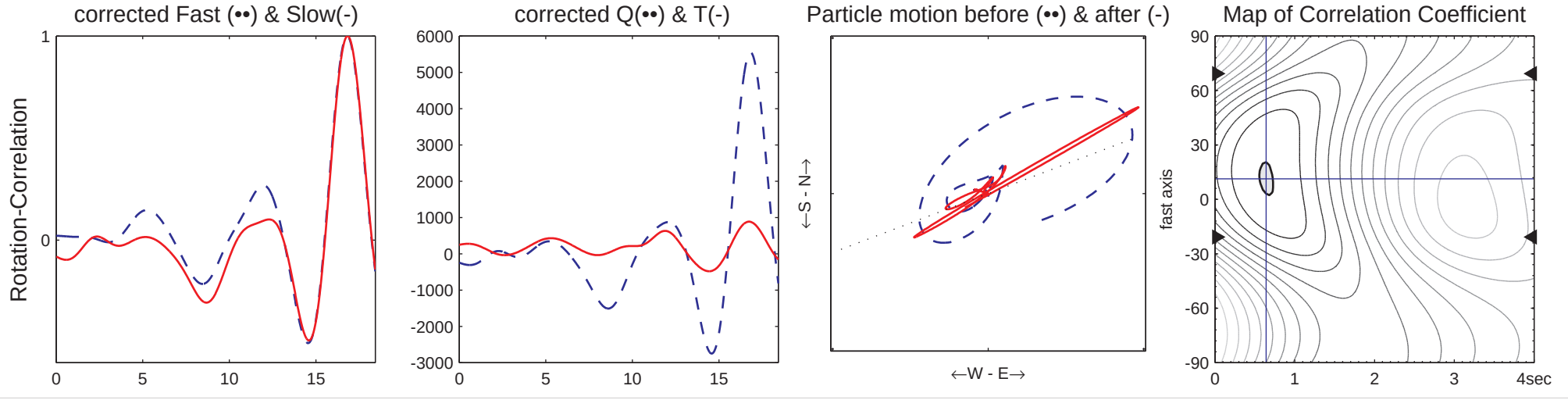


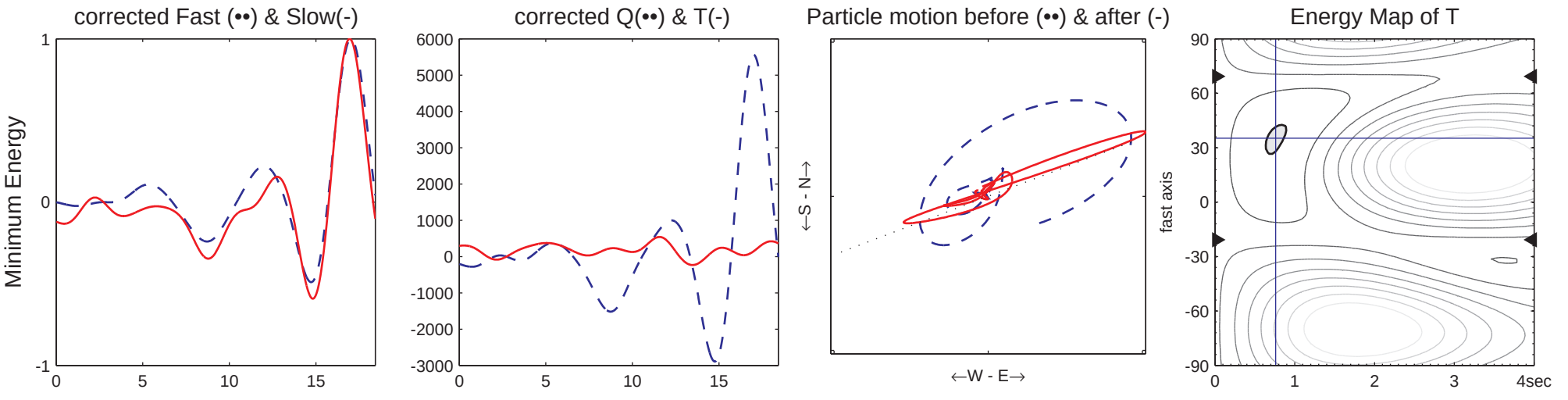
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **SCER** Backazimuth: **69.3”** Distance: **96.88”**
init.Pol.: **243.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.3**

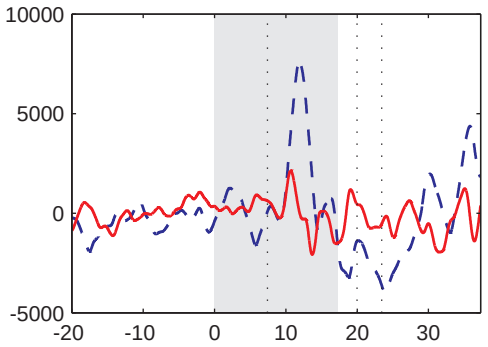
Rotation Correlation:	3<	11° <	21	0.6<0.6s<0.7
Minimum Energy:	27<	35° <	43	0.6<0.8s<0.9
Eigenvalue:	7<	19° <	31	0.6<0.7s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





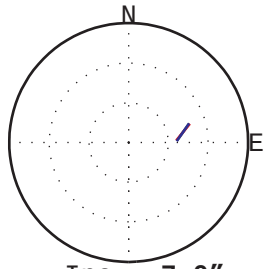




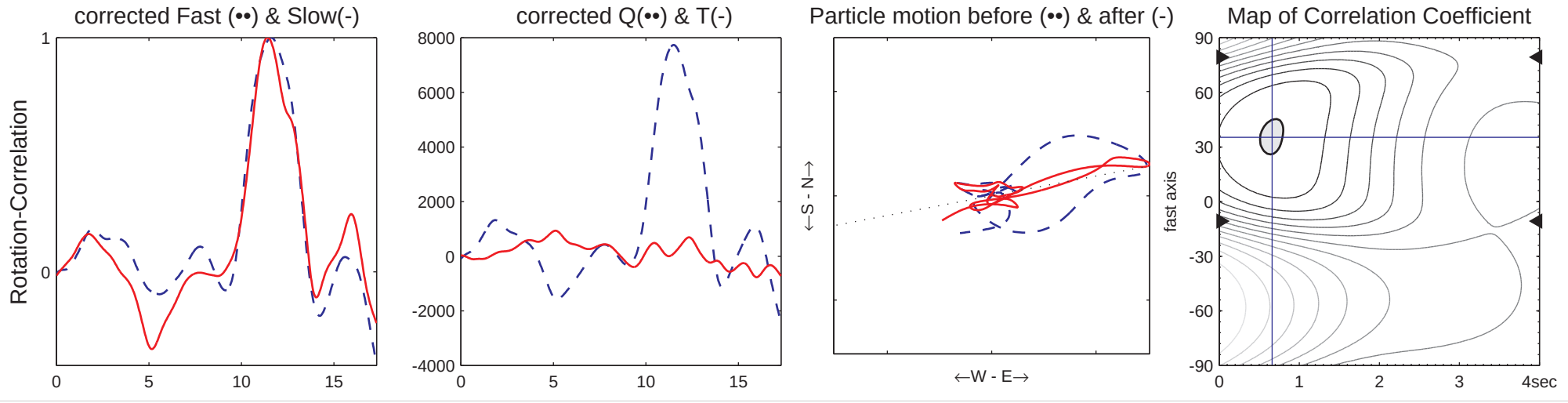
Event: **18-Jul-2010 (199) 13:04 -5.97N 150.43E 28km Mw=6.9**
Station: **SCER** Backazimuth: **79.3”** Distance: **111.63”**
init.Pol.: **257.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.5**

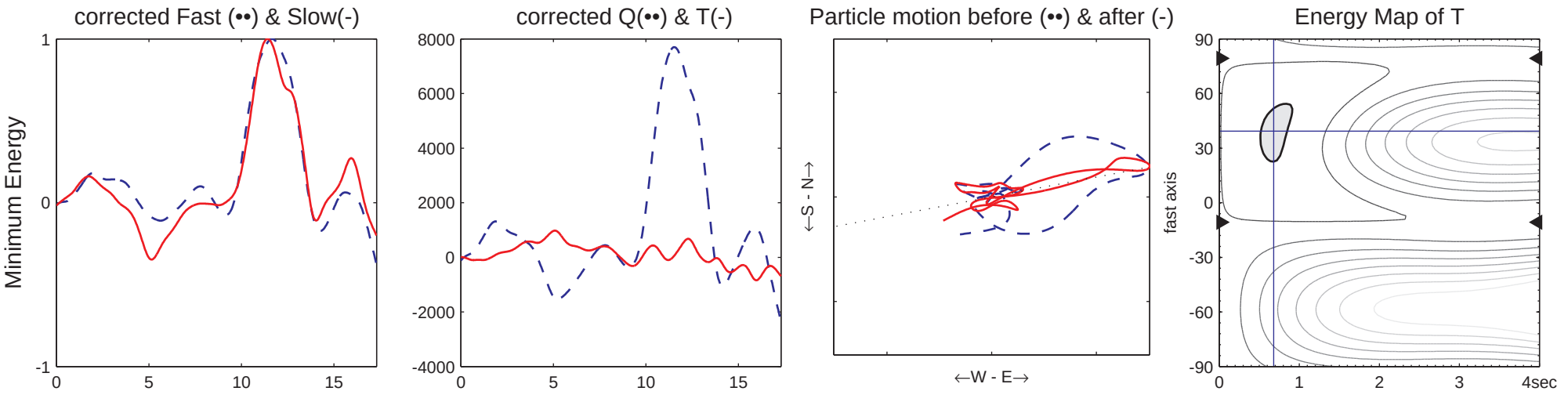
Rotation Correlation:	26<	35° <	46	0.5<0.7s<0.8
Minimum Energy:	23<	39° <	54	0.5<0.7s<0.9
Eigenvalue:	15<	35° <	54	0.5<0.7s<0.9

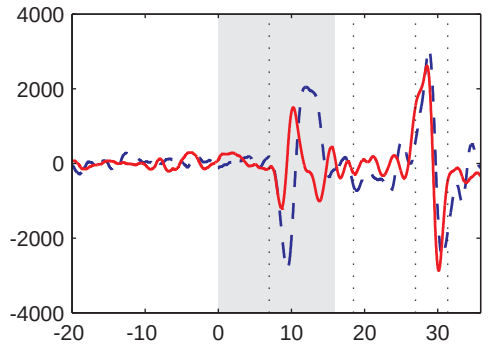
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **7.0”**



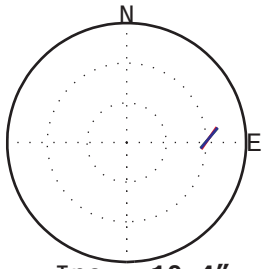




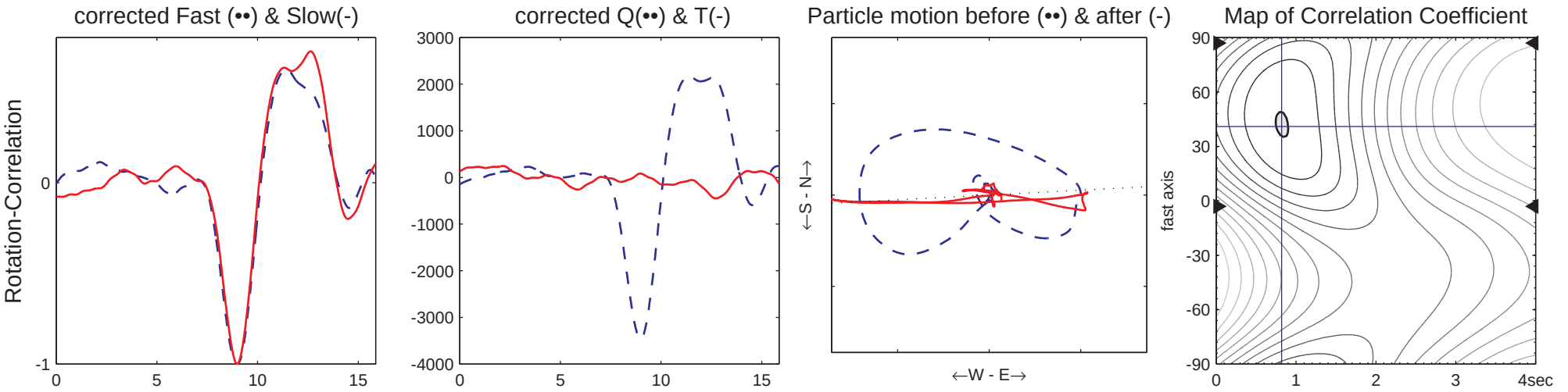
Event: **21-Jul-2010 (202) 09:16 3.04N 128.22E 100km Mw=6.1**
Station: **SCER** Backazimuth: **87.0”** Distance: **88.89”**
init.Pol.: **269.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.2**

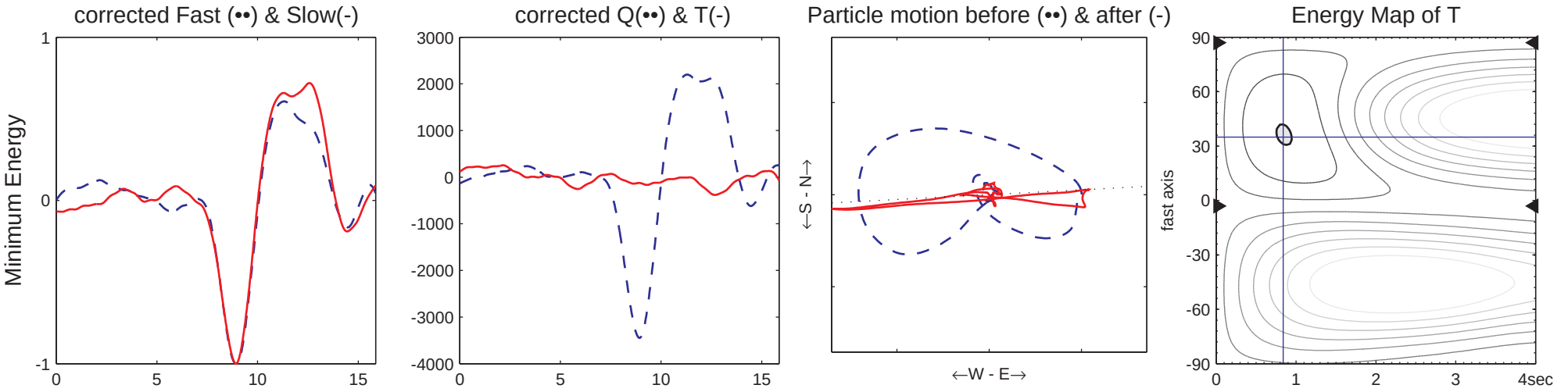
Rotation Correlation:	36<	41° <	49	0.8<0.8s<0.9
Minimum Energy:	31<	35° <	41	0.8<0.8s<1.0
Eigenvalue:	31<	39° <	50	0.8<0.8s<0.9

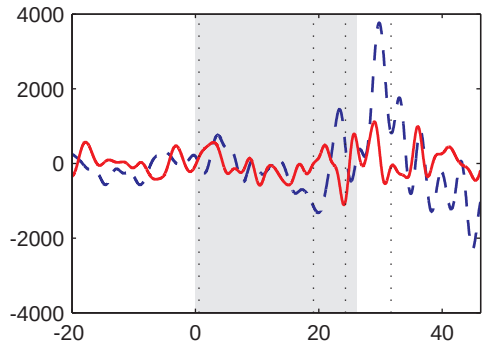
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



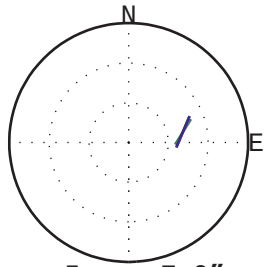


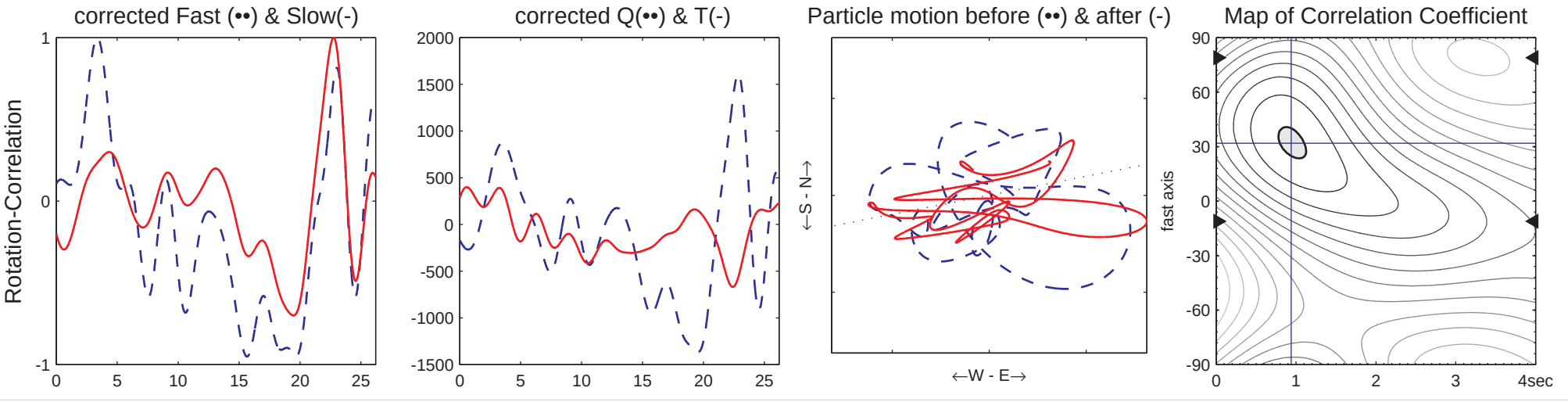


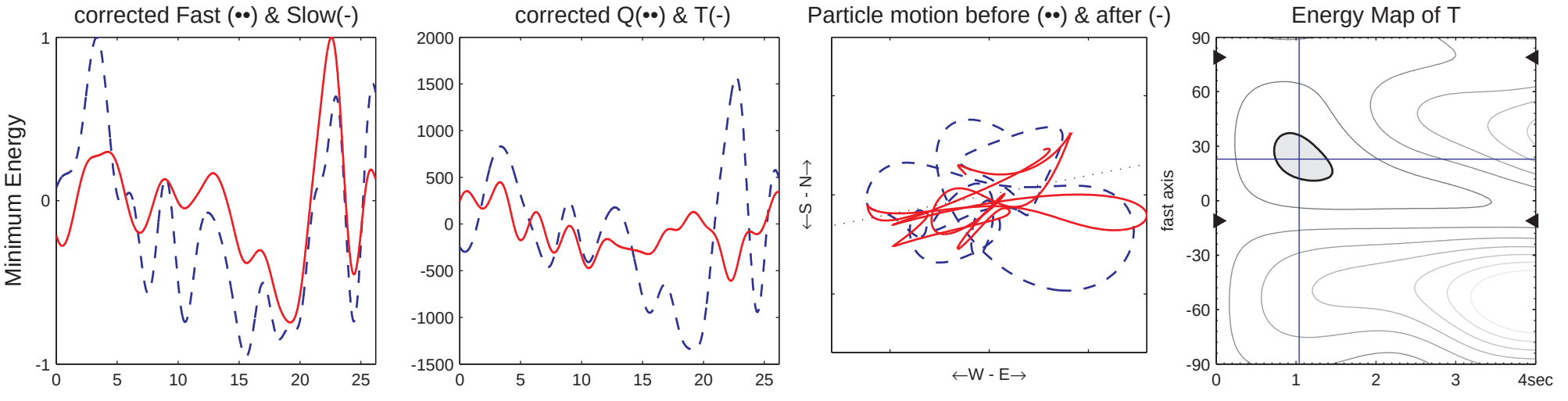
Event: **04-Aug-2010 (216) 22:01 -5.75N 150.76E 44km Mw=7.0**
Station: **SCER** Backazimuth: **78.9”** Distance: **111.74”**
init.Pol.: **259.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.3**

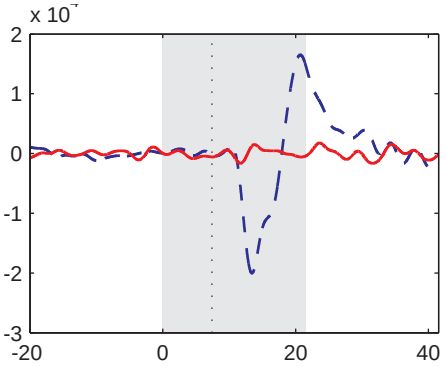
Rotation Correlation:	24<	32° <	41	0.8<0.9s<1.1
Minimum Energy:	11<	23° <	37	0.7<1.0s<1.4
Eigenvalue:	5<	23° <	43	0.7<1.1s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





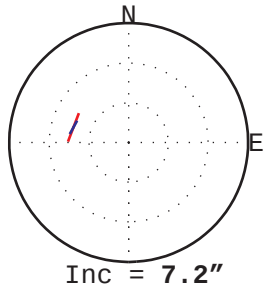


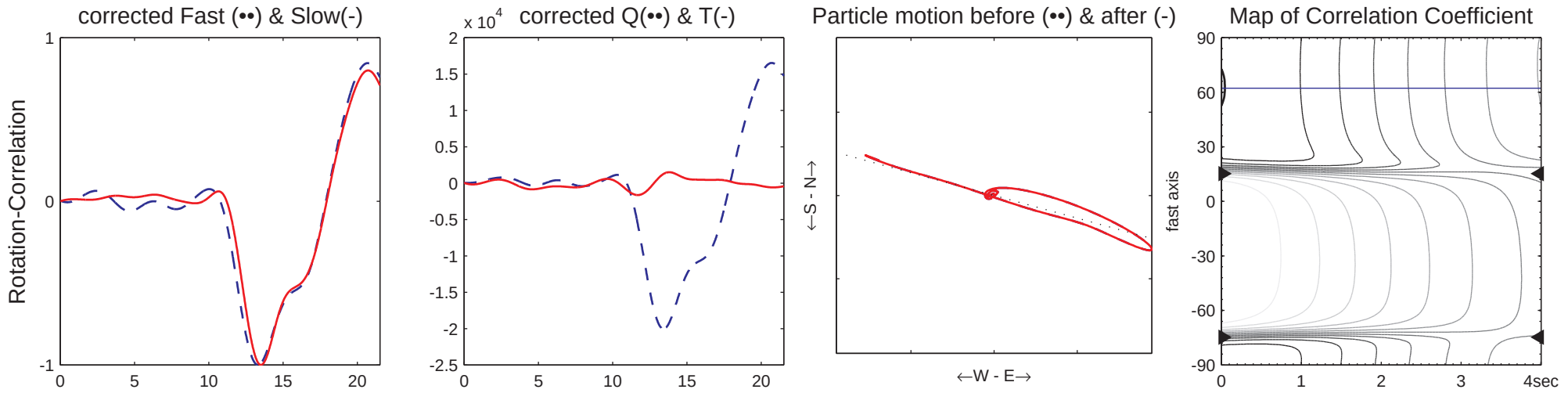


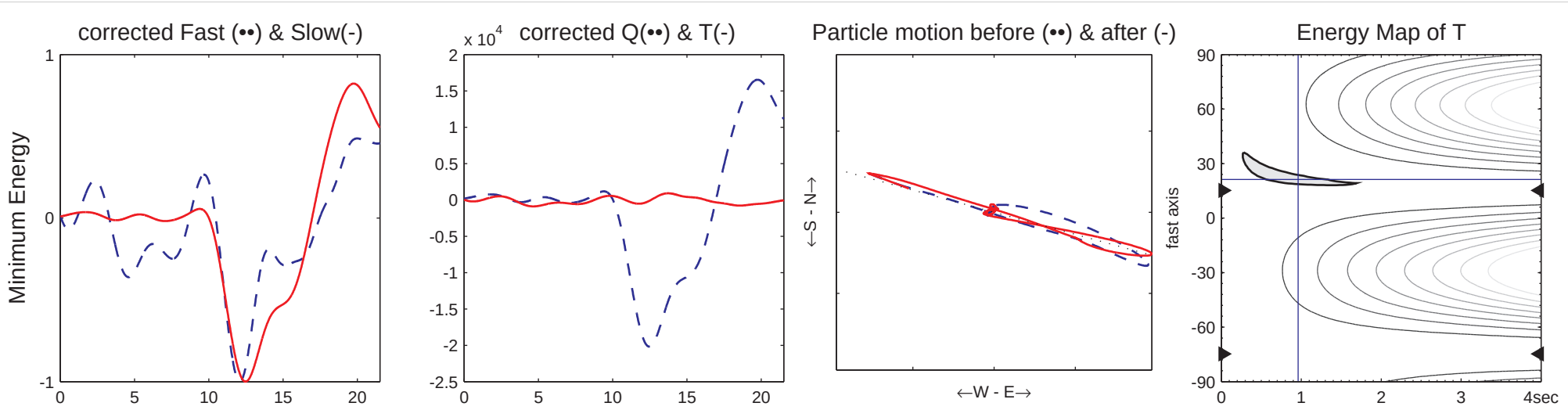
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **SCER** Backazimuth: **285.2”** Distance: **109.37”**
init.Pol.: **107.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**21.4**

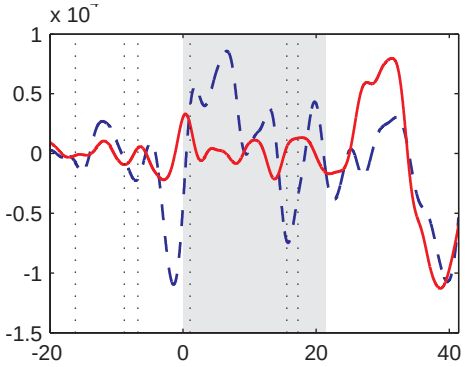
Rotation Correlation:	53<	62° <	73	0.0<0.0s<0.0
Minimum Energy:	17<	21° <	35	0.3<1.0s<1.7
Eigenvalue:	21<	29° <	88	0.2<0.5s<1.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





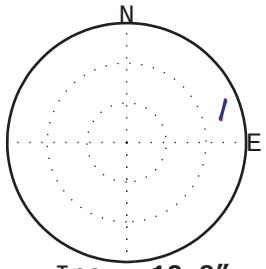




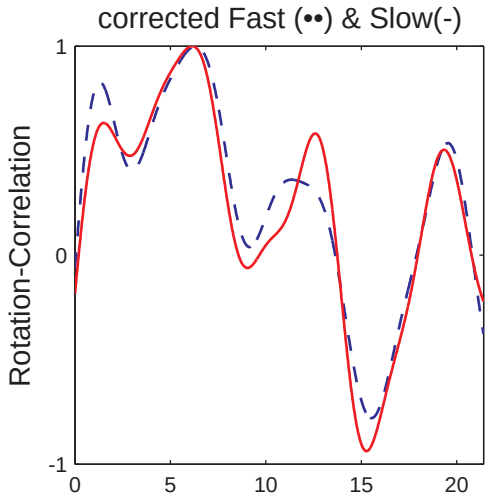
Event: **13-Aug-2010 (225) 21:19 12.49N 141.47E 16km Mw=6.9**
Station: **SCER** Backazimuth: **71.3”** Distance: **92.70”**
init.Pol.: **253.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.8**

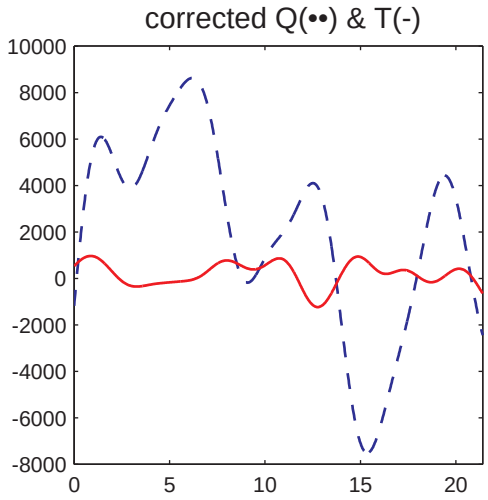
Rotation Correlation:	8<	20° <	36	0.4<0.6s<0.9
Minimum Energy:	-3<	11° <	41	0.4<0.7s<1.2
Eigenvalue:	-3<	15° <	50	0.4<0.7s<1.2

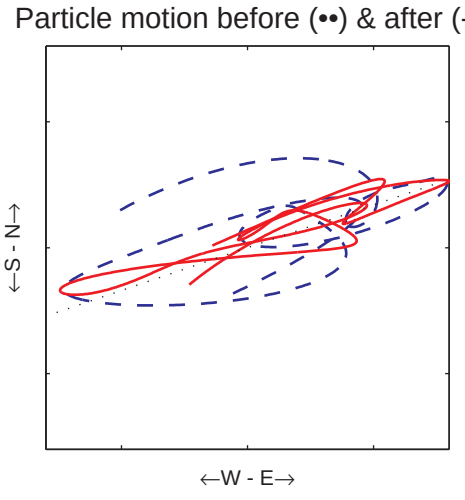
Quality: **fair** IsNull: **No** Phase: **SKKS**

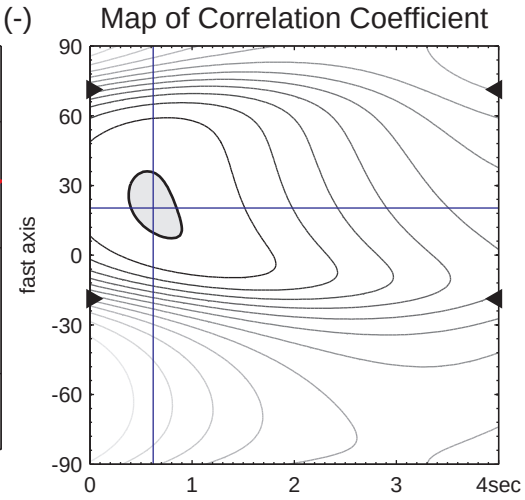


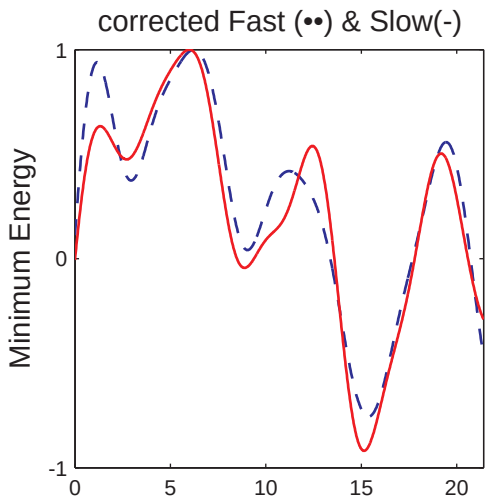
Inc = **12.8”**

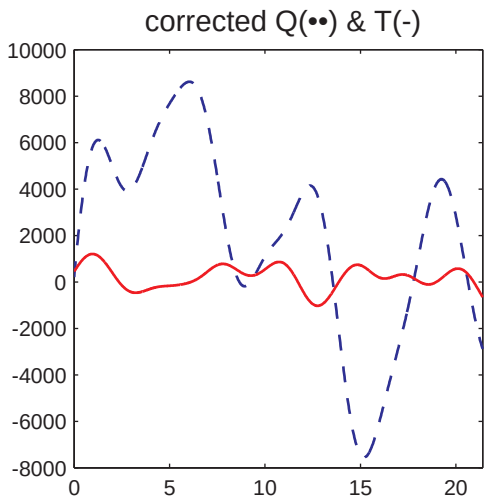


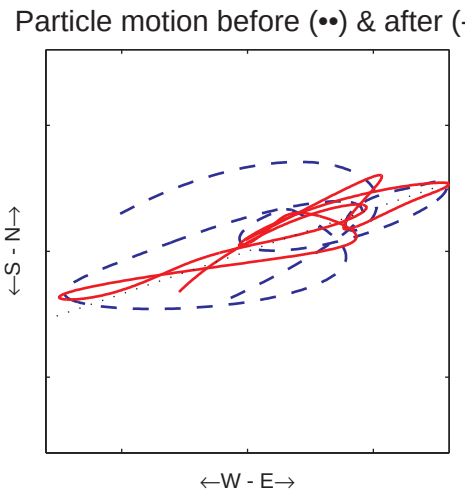


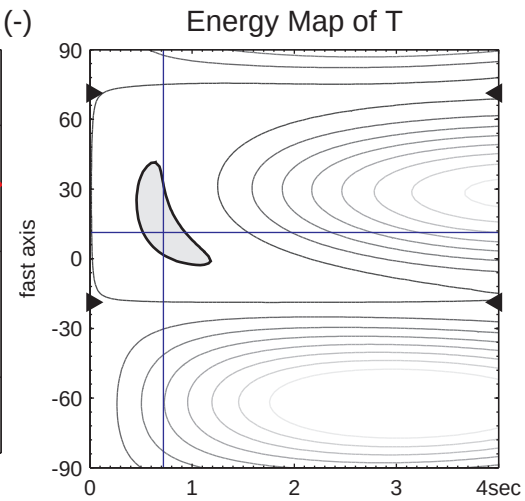


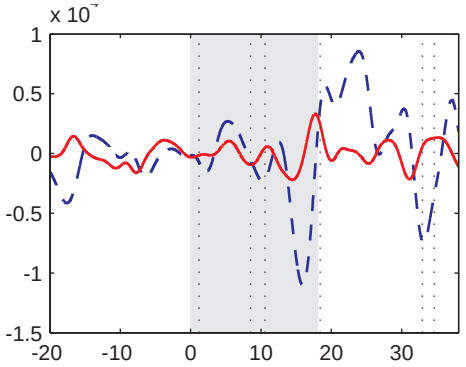








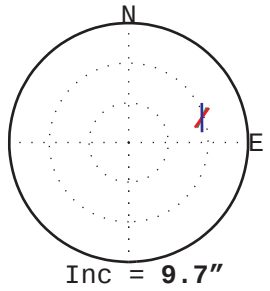


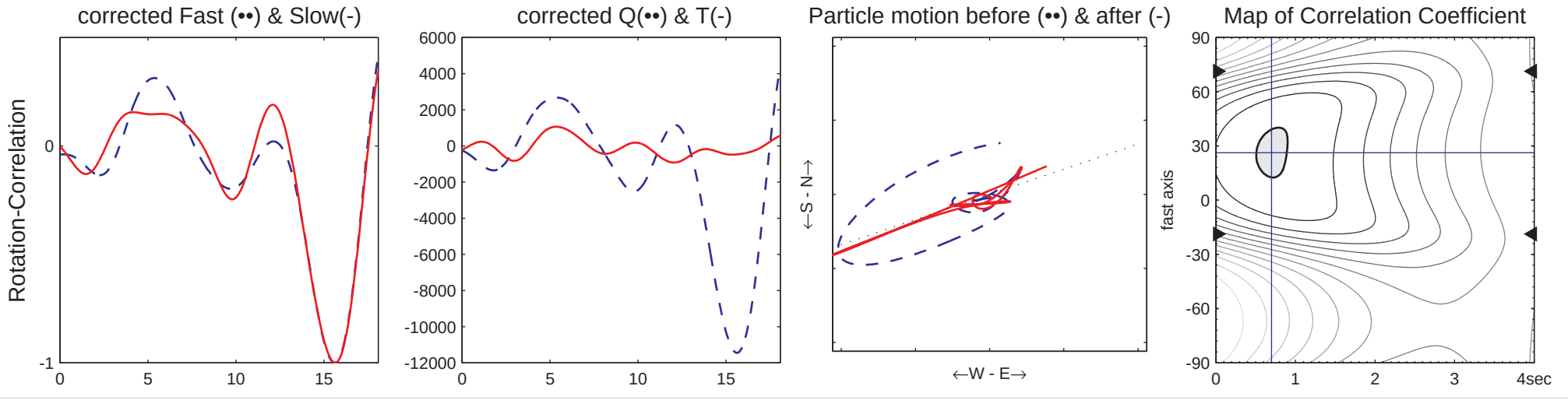


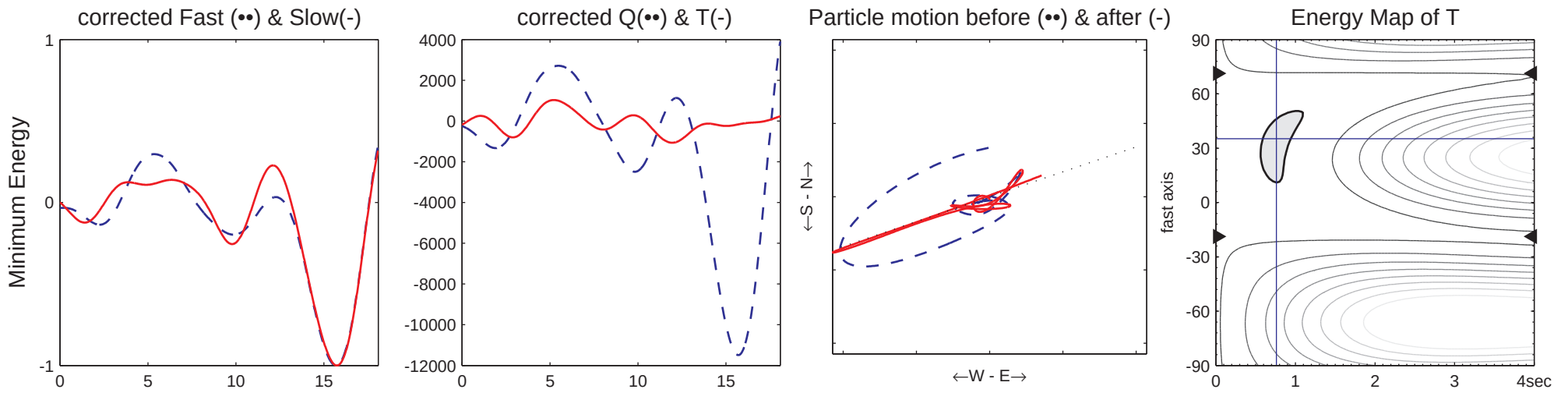
Event: **13-Aug-2010 (225) 21:19 12.49N 141.47E 16km Mw=6.9**
Station: **SCER** Backazimuth: **71.3”** Distance: **92.70”**
init.Pol.: **243.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.8**

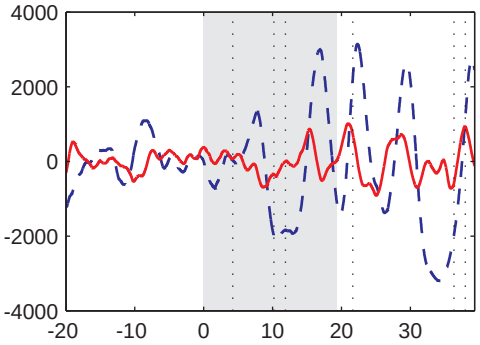
Rotation Correlation:	13<	26° <	40	0.5<0.7s<0.9
Minimum Energy:	11<	35° <	50	0.6<0.8s<1.1
Eigenvalue:	-17<	-1° <	33	0.6<0.9s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





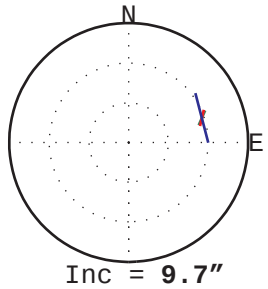


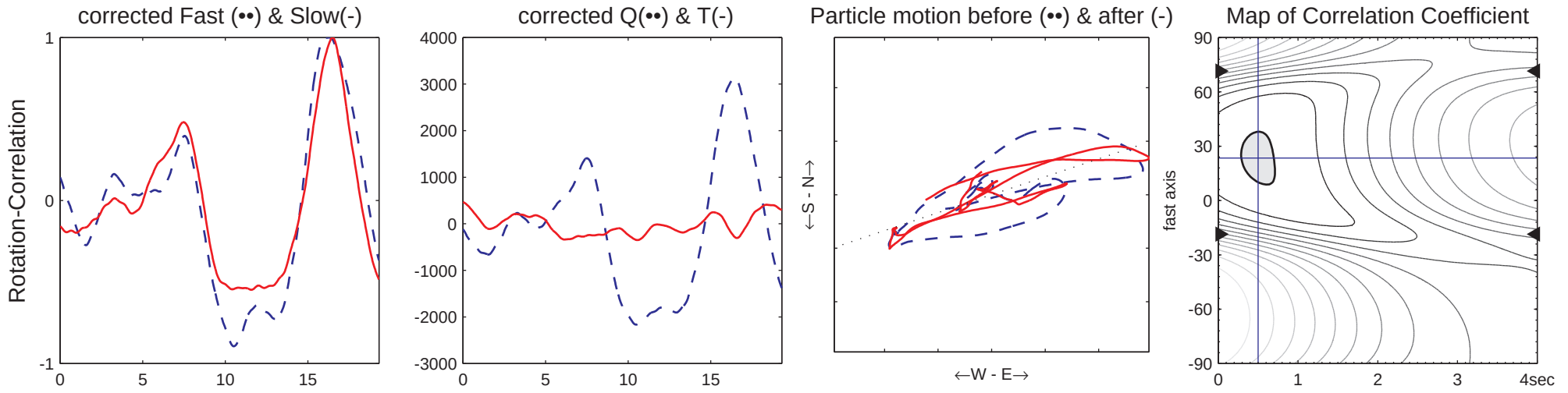


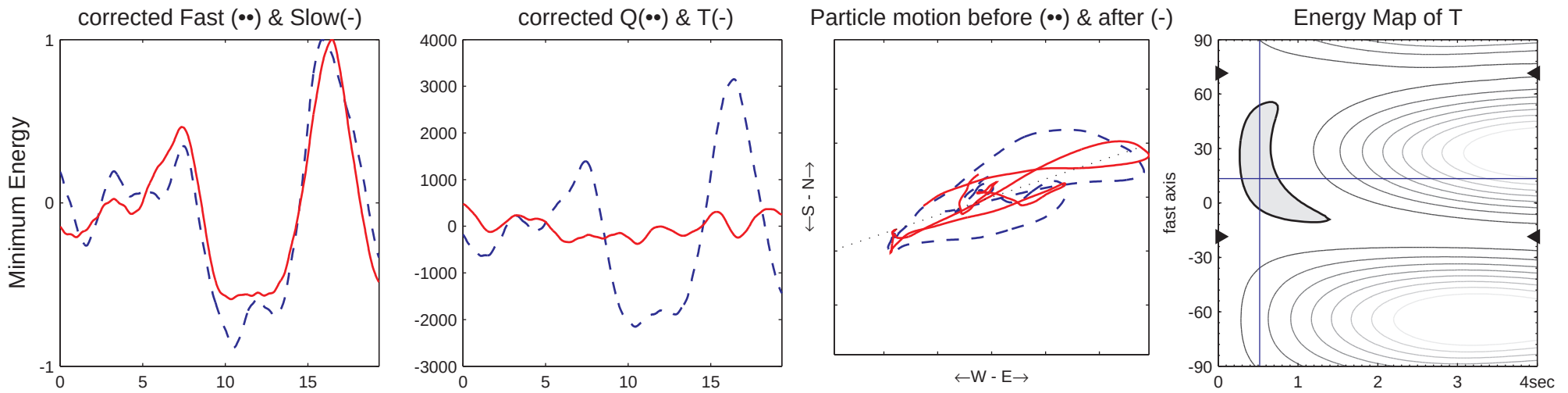
Event: **14-Aug-2010 (226) 23:01 12.27N 141.43E 13km Mw=6.6**
Station: **SCER** Backazimuth: **71.4”** Distance: **92.81”**
init.Pol.: **243.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.3**

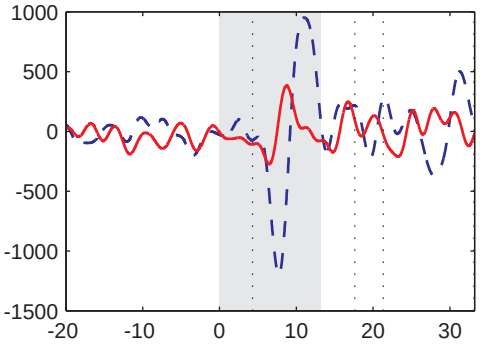
Rotation Correlation:	9<	23° <	38	0.3<0.5s<0.7
Minimum Energy:	-11<	13° <	56	0.3<0.5s<1.4
Eigenvalue:	-25<	-15° <	48	0.3<1.6s<2.5

Quality: **fair** IsNull: **No** Phase: **SKS**





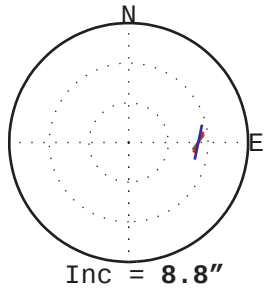


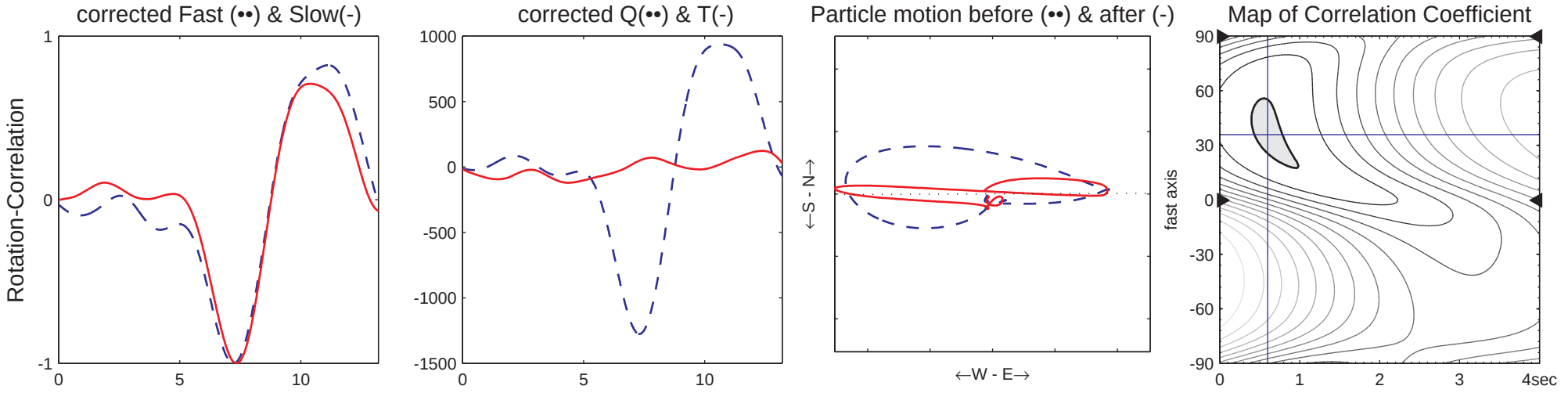


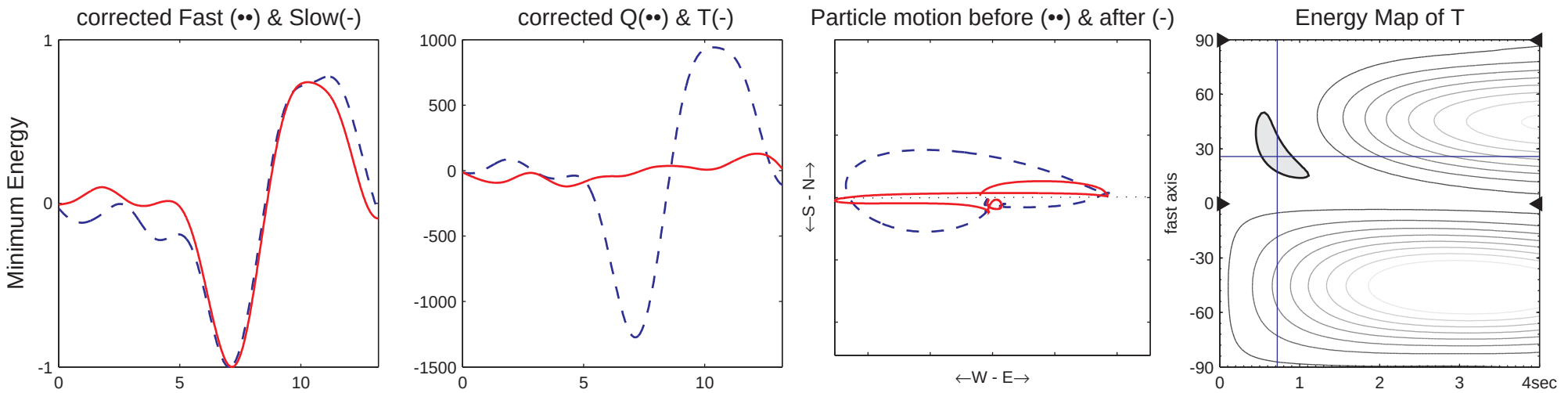
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **SCER** Backazimuth: **89.7”** Distance: **98.61”**
init.Pol.: **263.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.5**

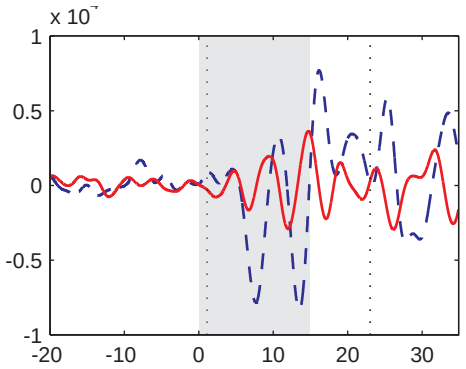
Rotation Correlation:	18<	36° <	56	0.4<0.6s<1.0
Minimum Energy:	13<	26° <	50	0.4<0.7s<1.1
Eigenvalue:	3<	12° <	29	0.6<1.1s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





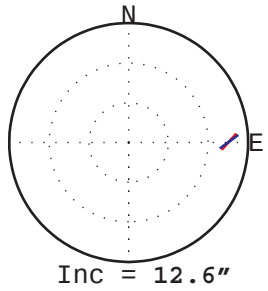


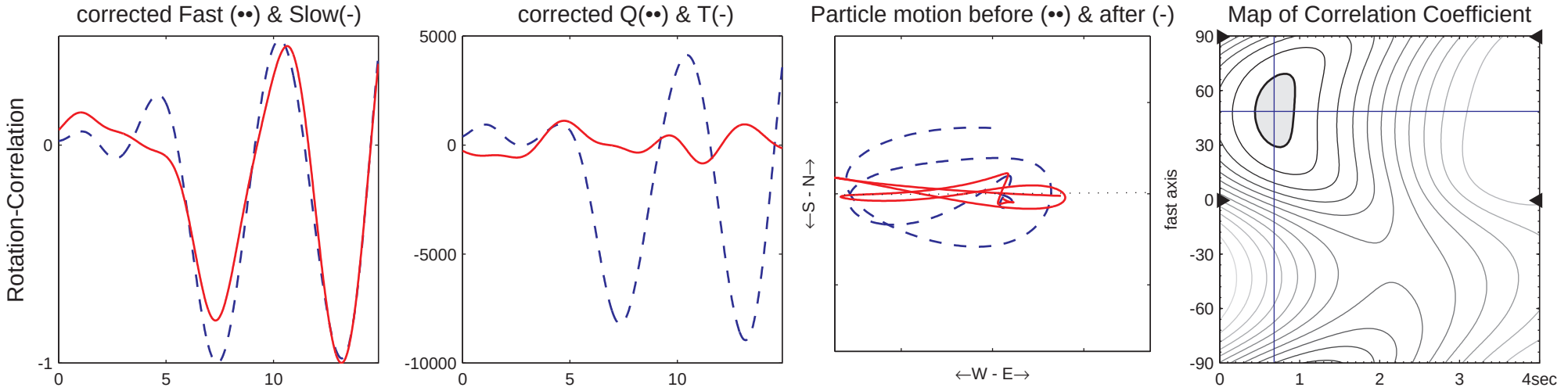


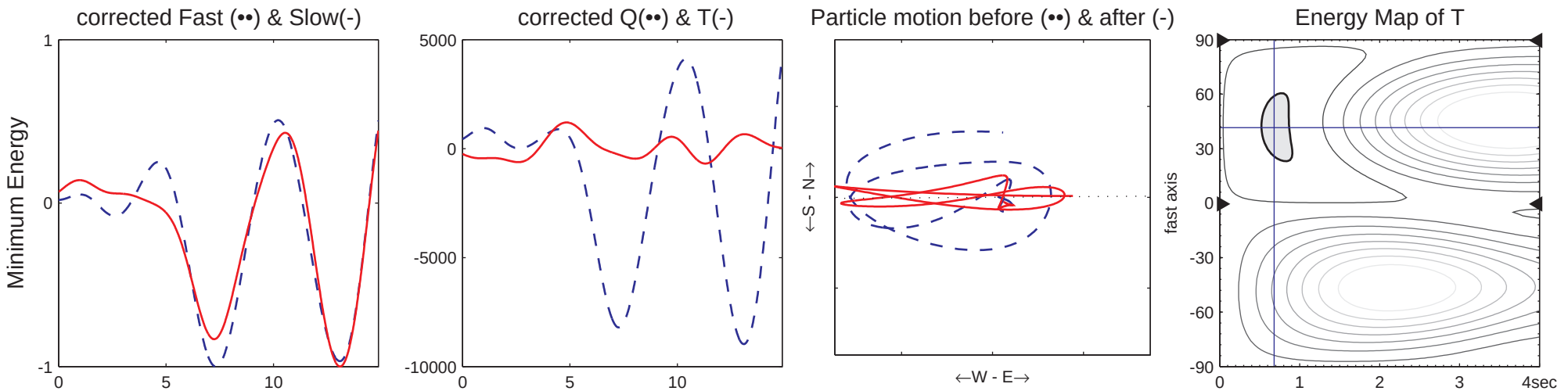
Event: **29-Sep-2010 (272) 17:10 -4.91N 133.71E 10km Mw=6.2**
Station: **SCER** Backazimuth: **89.6”** Distance: **98.19”**
init.Pol.: **273.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.7**

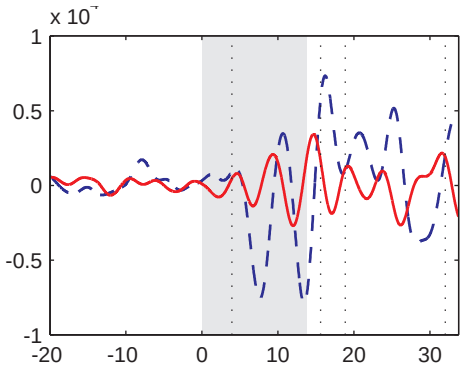
Rotation Correlation:	29<	49° <	69	0.4<0.7s<1.0
Minimum Energy:	23<	42° <	60	0.5<0.7s<0.9
Eigenvalue:	11<	54° <	84	0.5<0.7s<1.3

Quality: **fair** IsNull: **No** Phase: **SKKS**





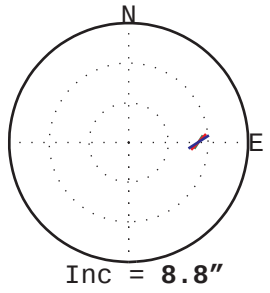


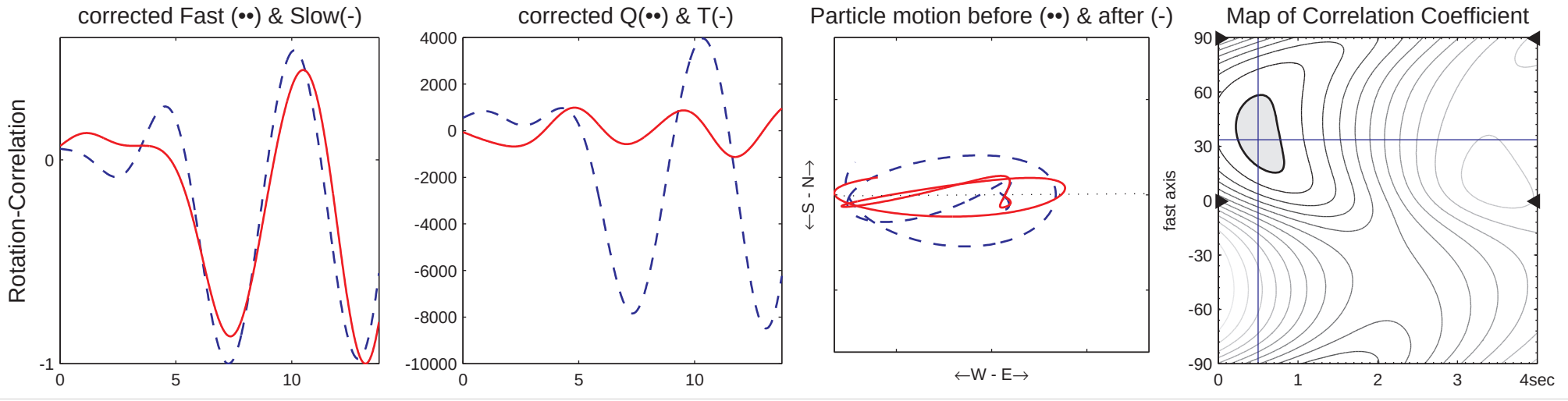


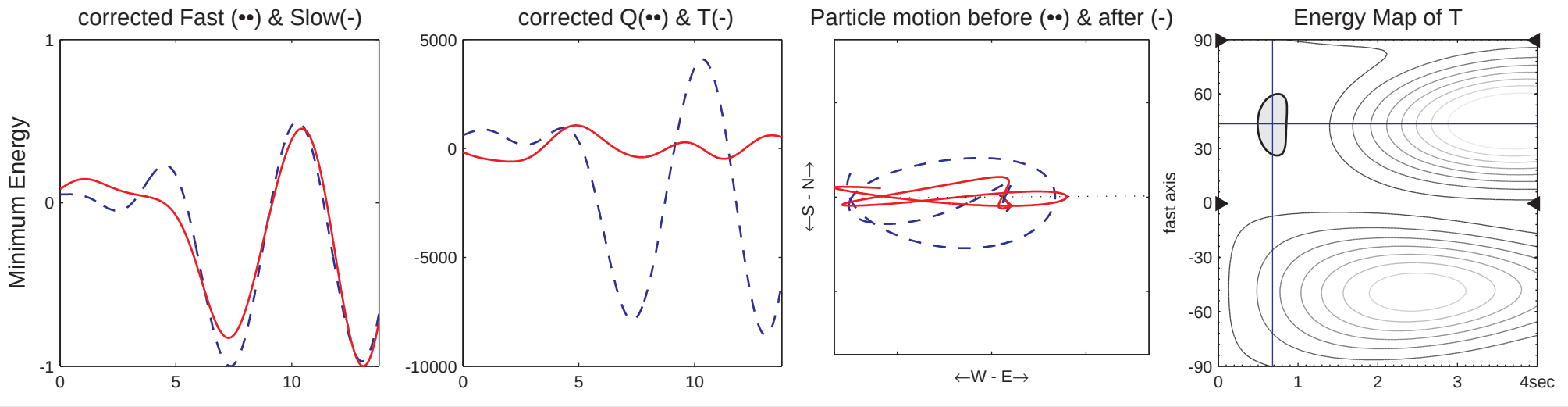
Event: **29-Sep-2010 (272) 17:11 -4.96N 133.76E 26km Mw=7.0**
Station: **SCER** Backazimuth: **89.6”** Distance: **98.27”**
init.Pol.: **274.0”** Filter: **0.010Hz - 0.30Hz** SNR_{SC}: **8.9**

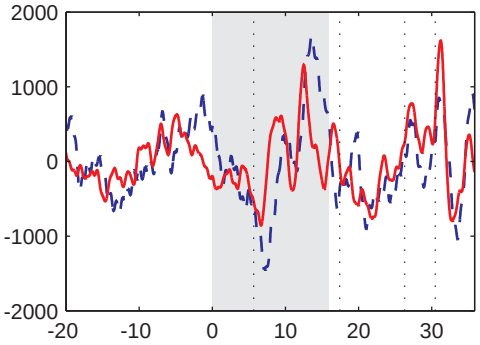
Rotation Correlation:	16<	34° <	58	0.2<0.5s<0.8
Minimum Energy:	25<	44° <	60	0.5<0.7s<0.9
Eigenvalue:	19<	58° <	80	0.5<0.8s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





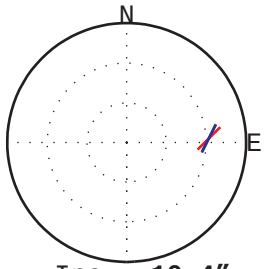




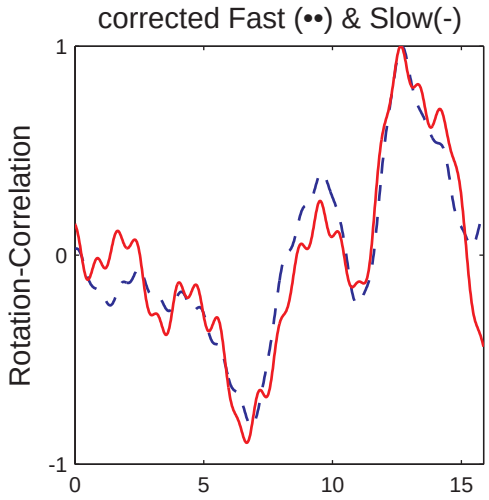
Event: **08-Oct-2010 (281) 05:43 2.83N 128.22E 120km Mw=6.2**
Station: **SCER** Backazimuth: **87.1”** Distance: **89.02”**
init.Pol.: **248.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.5**

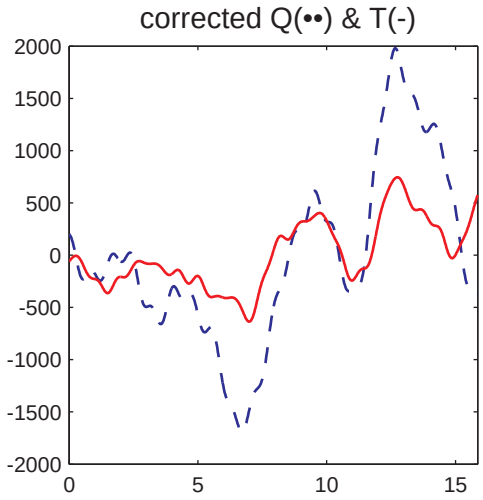
Rotation Correlation:	21<	26° <	34	0.9<1.0s<1.1
Minimum Energy:	33<	45° <	58	0.8<1.0s<1.3
Eigenvalue:	17<	27° <	35	0.8<1.0s<1.1

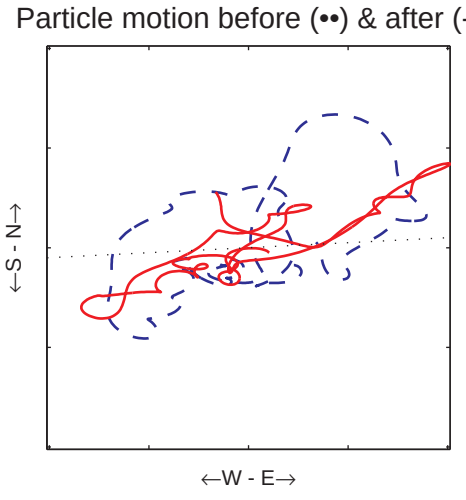
Quality: **fair** IsNull: **No** Phase: **SKS**

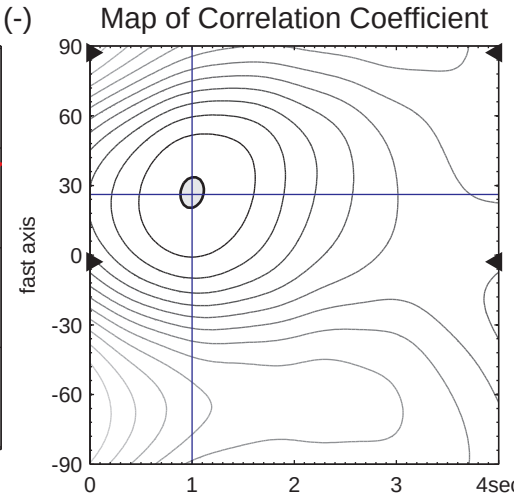


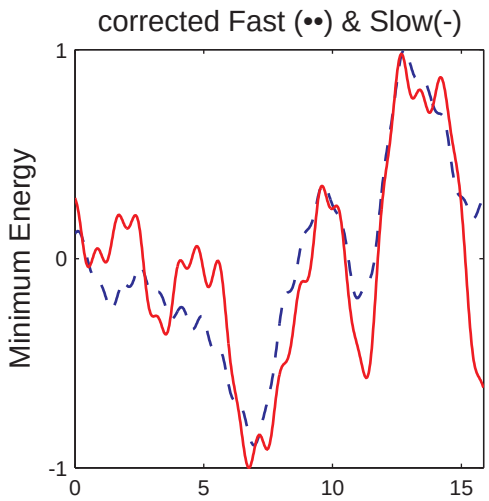
Inc = **10.4”**

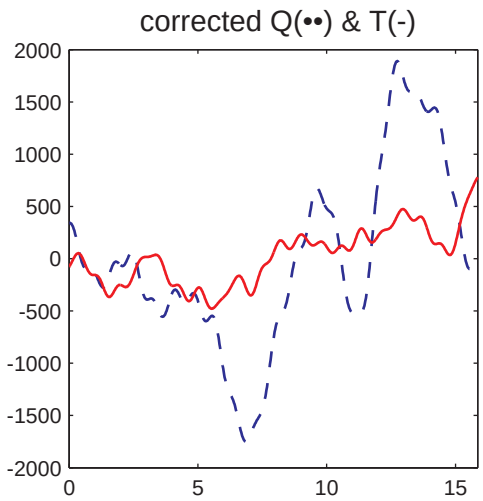


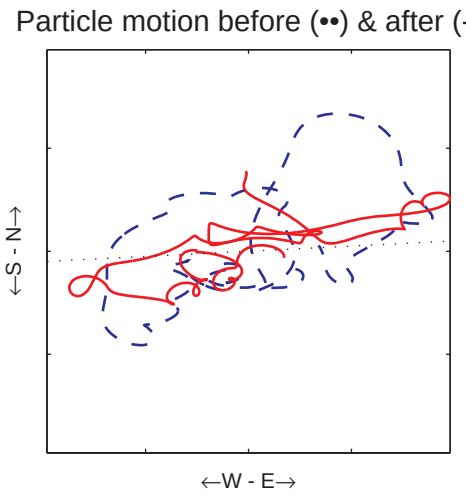


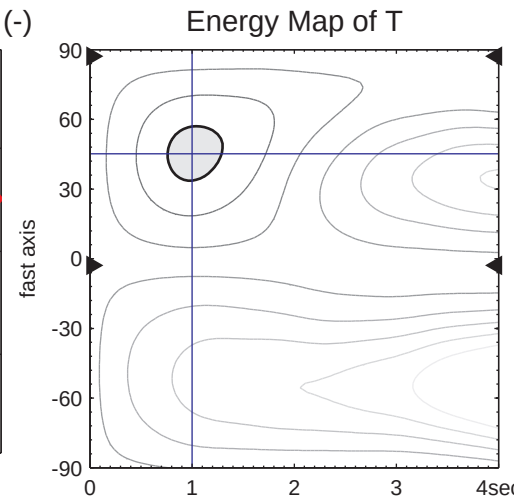


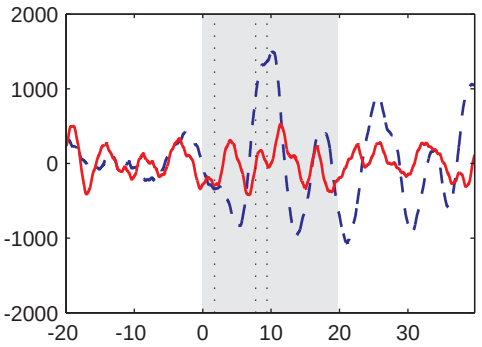








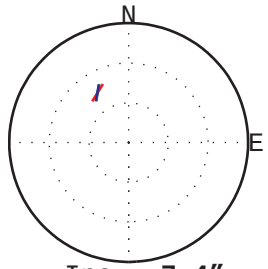


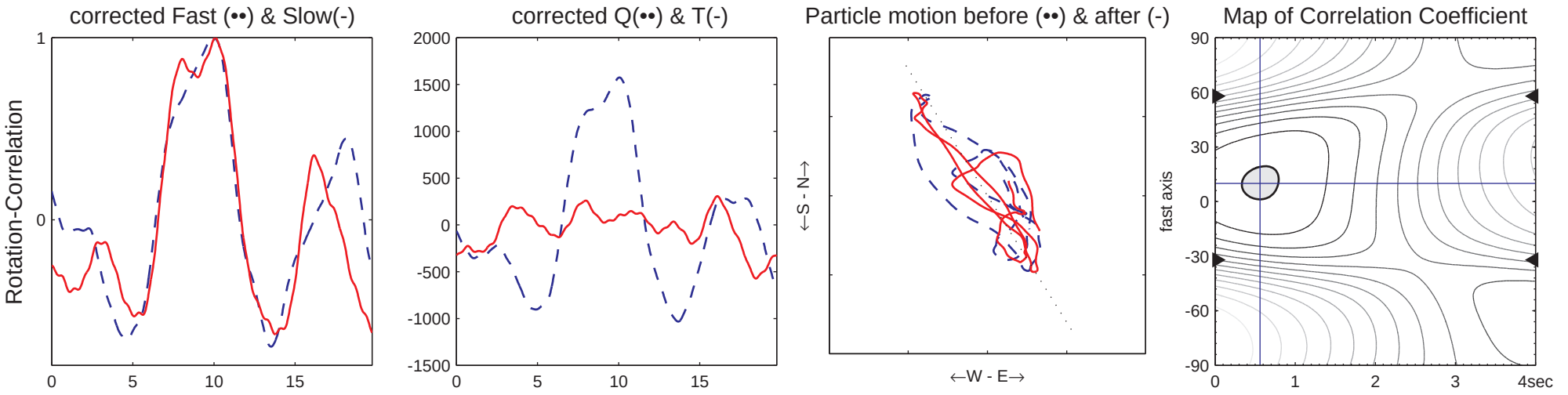


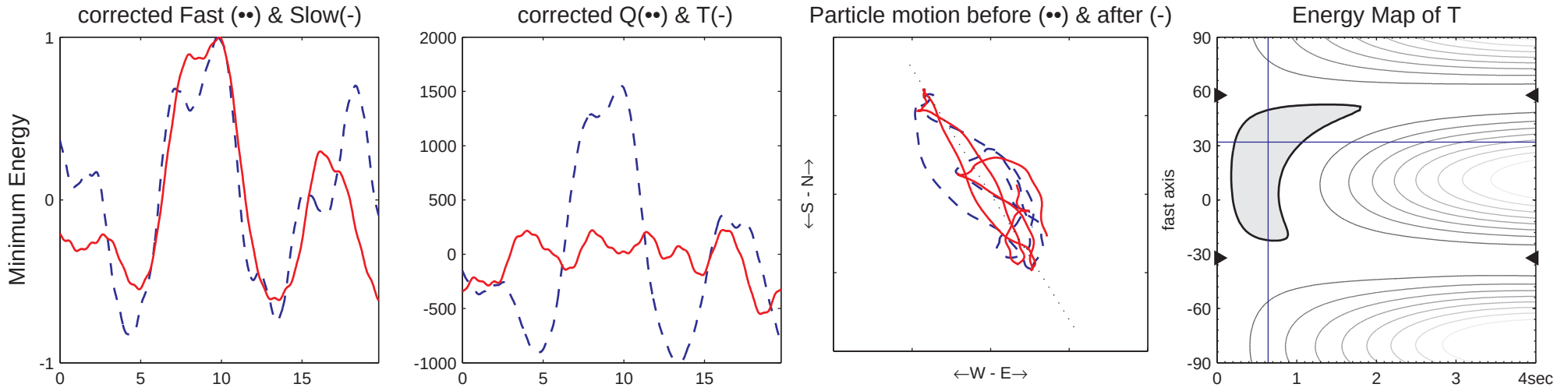
Event: **21-Oct-2010 (294) 17:53 24.70N -109.16E 13km Mw=6.7**
Station: **SCER** Backazimuth: **327.9”** Distance: **108.20”**
init.Pol.: **142.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

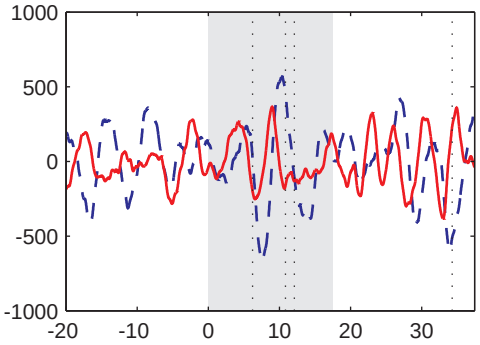
Rotation Correlation:	2<	10° <	20	0.3<0.6s<0.8
Minimum Energy:	-23<	32° <	54	0.2<0.6s<1.8
Eigenvalue:	-39<	10° <	48	0.2<0.5s<2.7

Quality: **fair** IsNull: **No** Phase: **SKS**





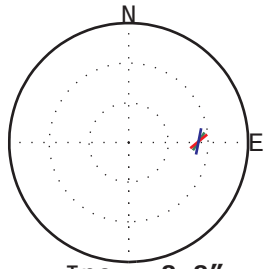


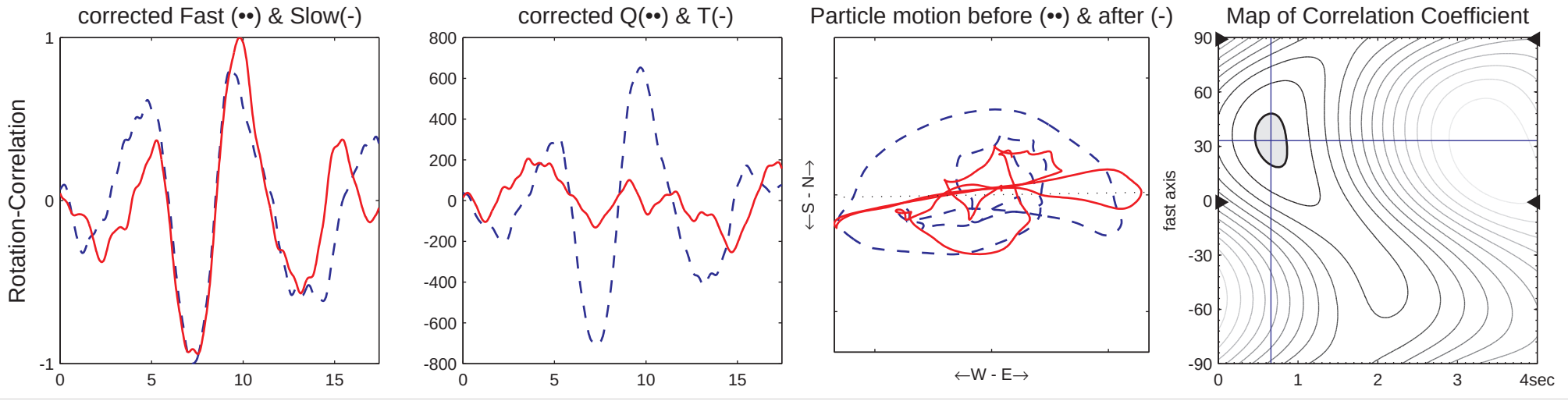


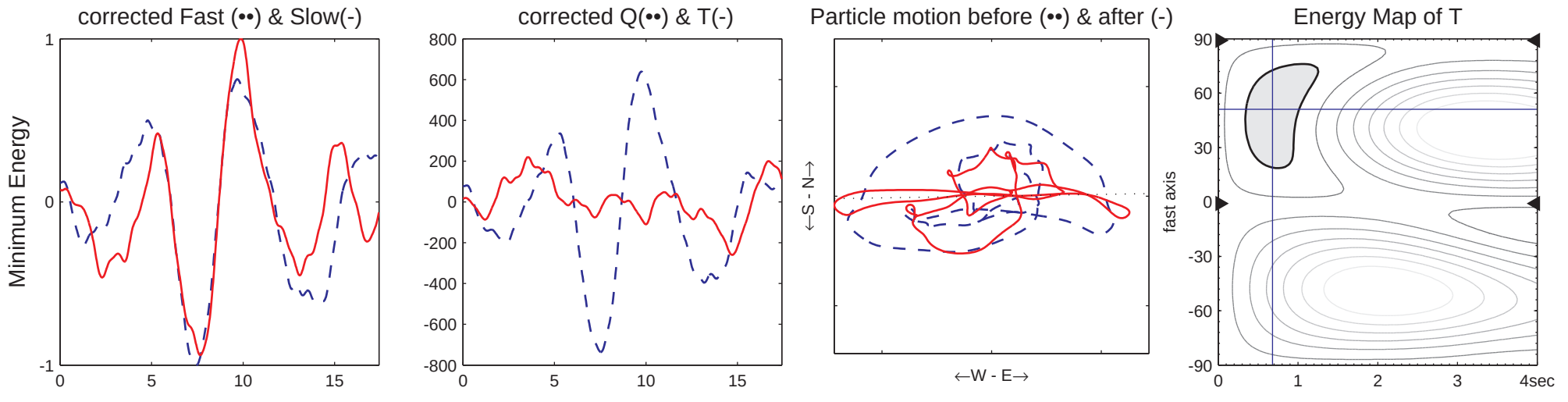
Event: **03-Nov-2010 (307) 11:18 -4.62N 134.07E 10km Mw=6.0**
Station: **SCER** Backazimuth: **89.1”** Distance: **98.28”**
init.Pol.: **252.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.5**

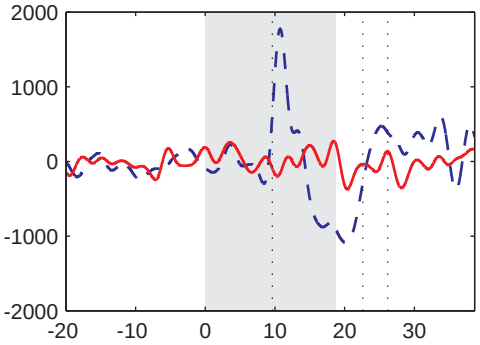
Rotation Correlation:	19<	33° <	48	0.5<0.7s<0.9
Minimum Energy:	19<	51° <	76	0.3<0.7s<1.2
Eigenvalue:	-17<	11° <	62	0.4<0.8s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





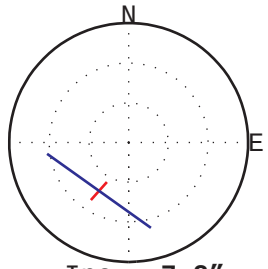


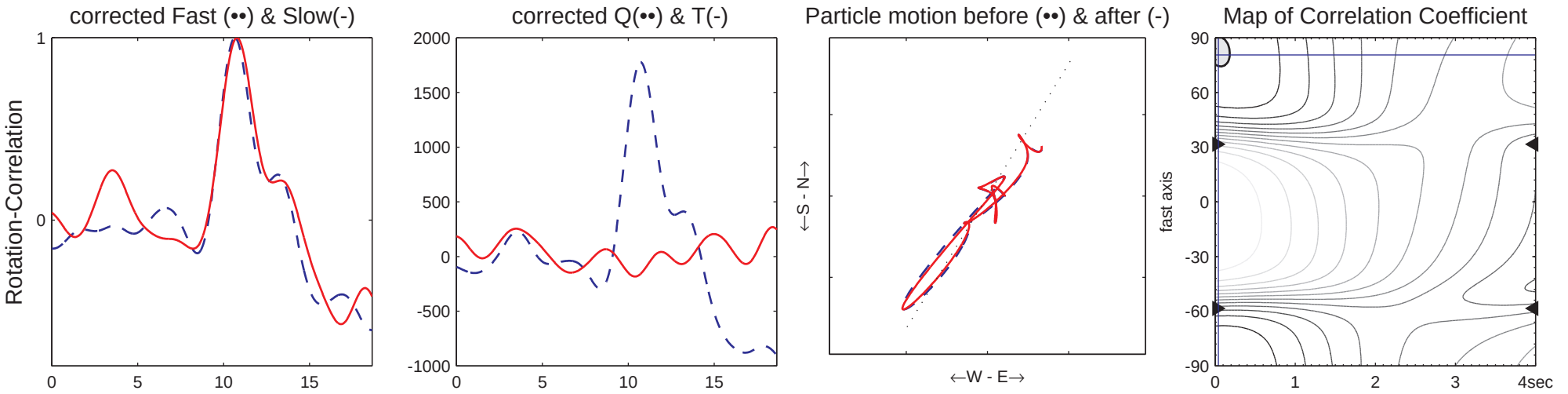


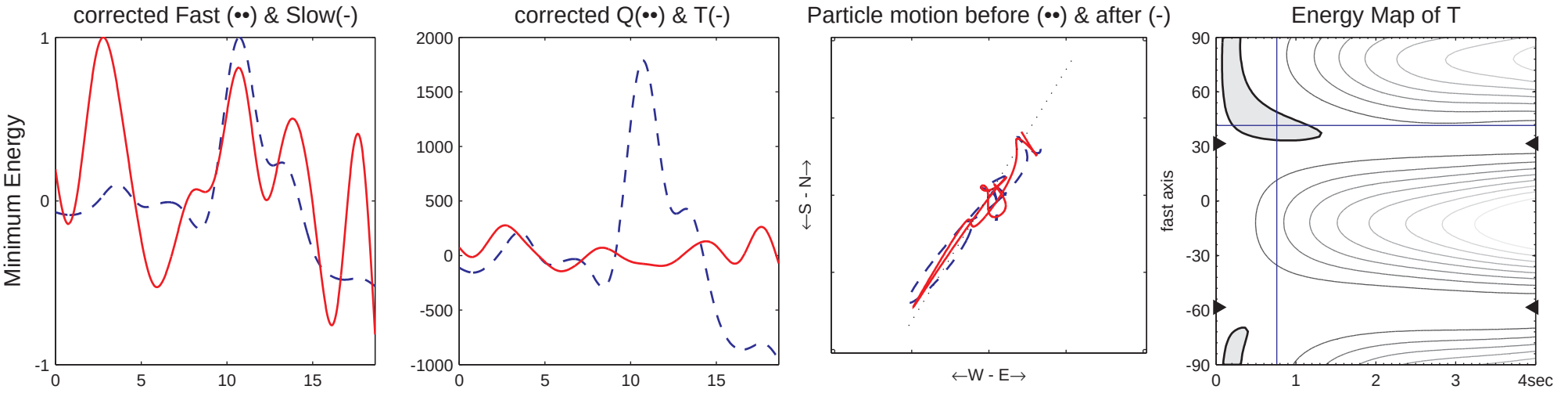
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **SCER** Backazimuth: **211.6”** Distance: **109.89”**
init.Pol.: **39.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.0**

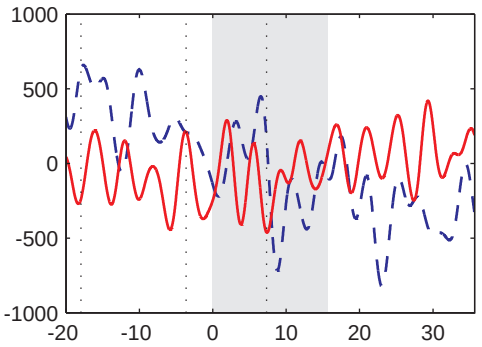
Rotation Correlation:	74<	81° < -91	0.0<0.0s<0.2
Minimum Energy:	33<	42° < -72	0.1<0.8s<1.3
Eigenvalue:	-60<	-54° < -54	2.6<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





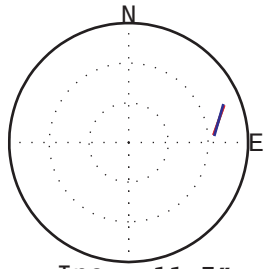




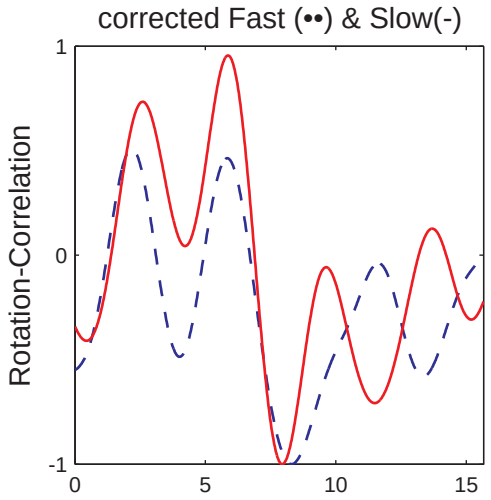
Event: **13-Dec-2010 (347) 01:14 -6.53N 155.65E 135km Mw=6.2**
Station: **SCER** Backazimuth: **76.1”** Distance: **115.91”**
init.Pol.: **254.0”** Filter: **0.010Hz - 0.30Hz** SNR_{SC}: **3.0**

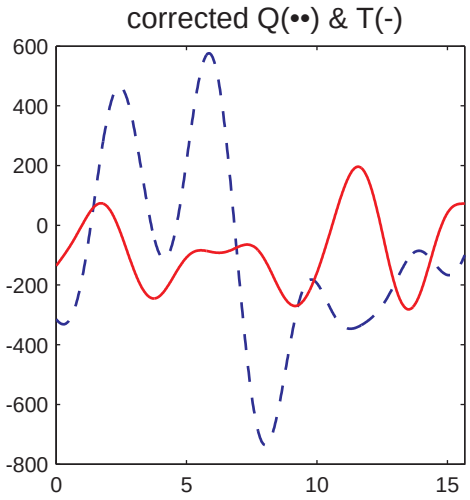
Rotation Correlation:	9<	19° <	32	0.8<1.0s<1.2
Minimum Energy:	3<	20° <	43	0.5<1.0s<1.5
Eigenvalue:	-3<	16° <	43	0.6<1.0s<1.4

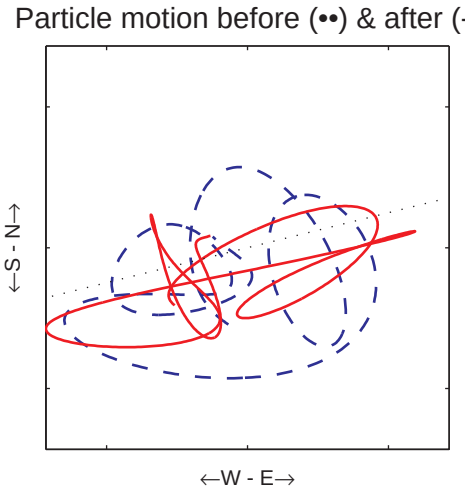
Quality: **fair** IsNull: **No** Phase: **SKKS**

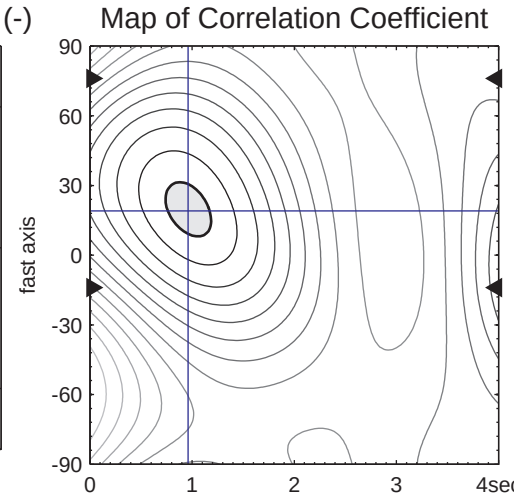


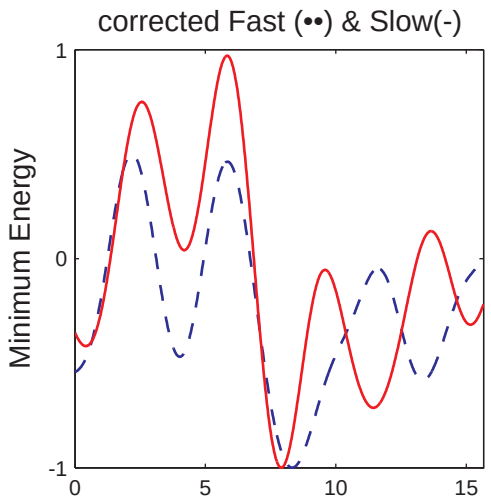
Inc = **11.7”**

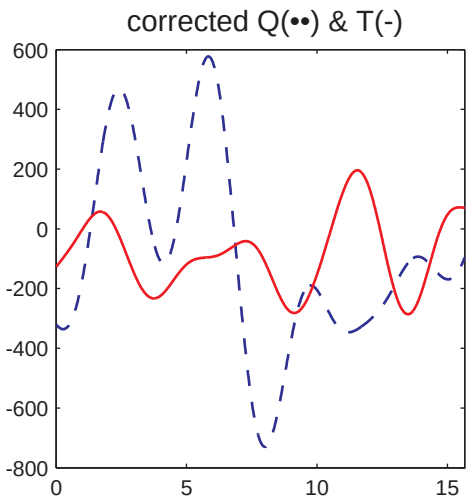


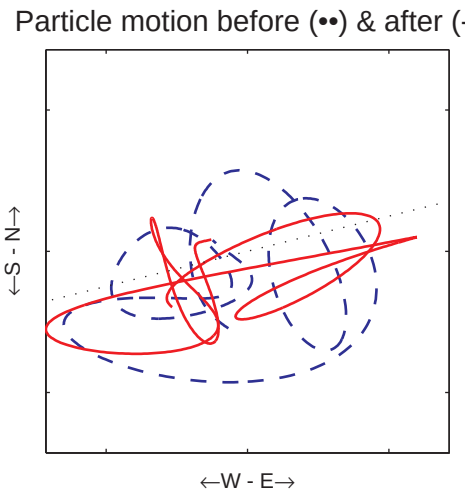


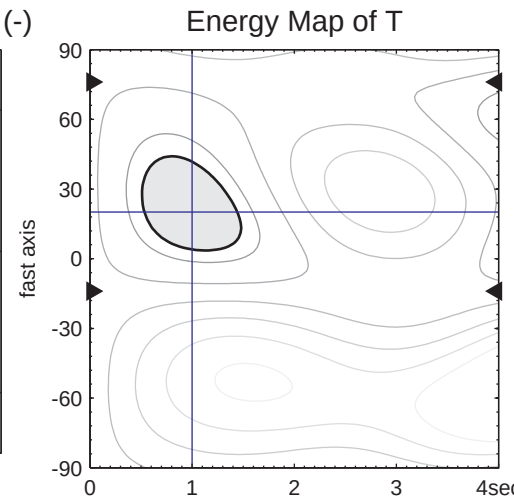


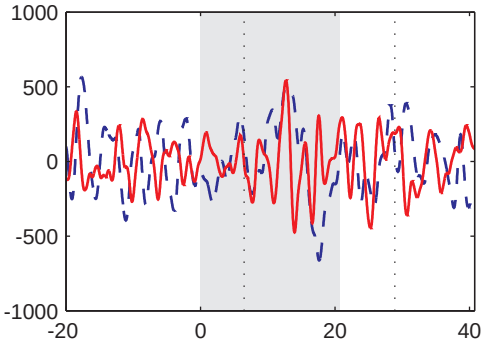








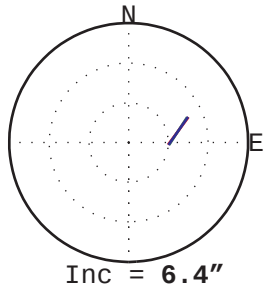


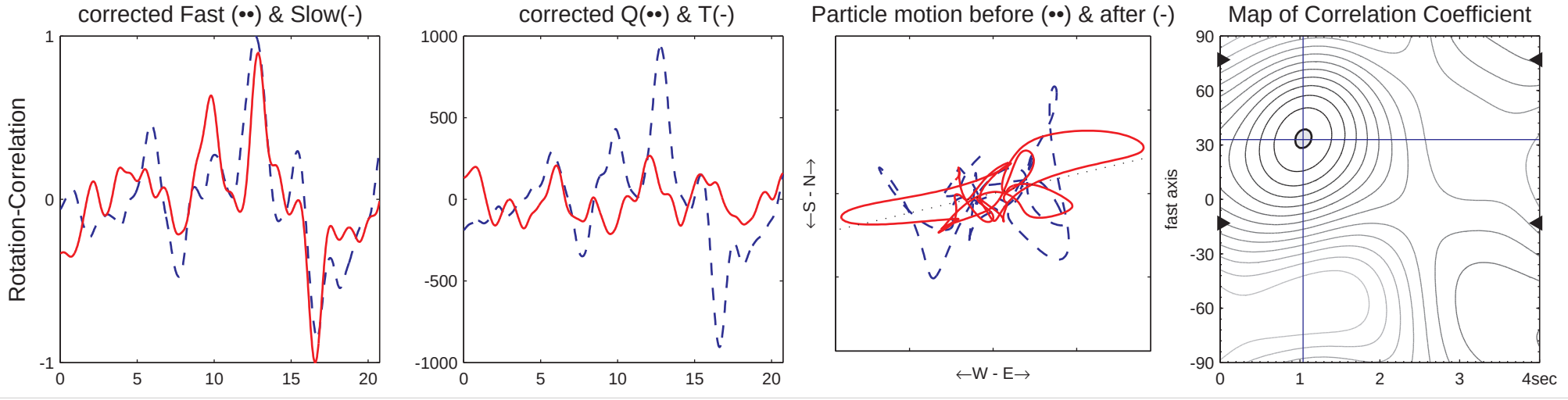


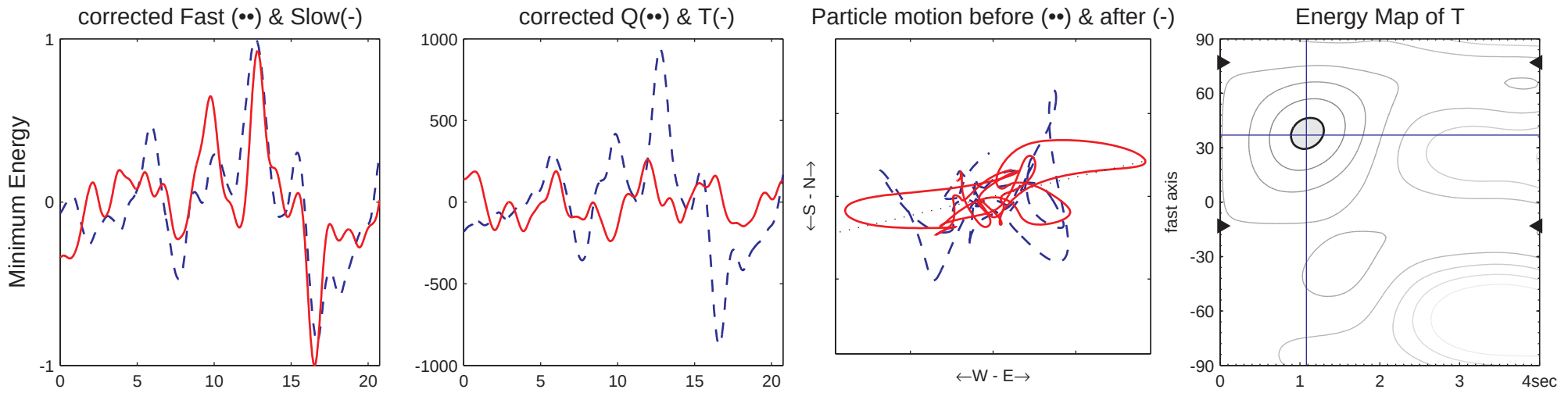
Event: **07-Feb-2011 (038) 19:53 -7.15N 155.18E 415km Mw=6.4**
Station: **SCER** Backazimuth: **76.9”** Distance: **115.98”**
init.Pol.: **253.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

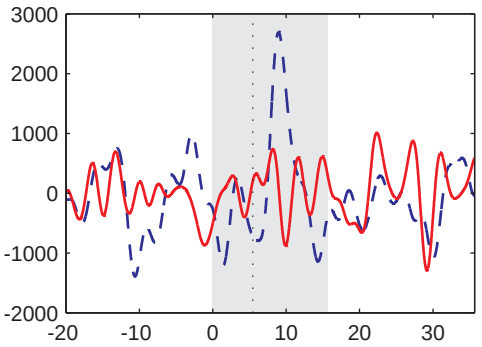
Rotation Correlation:	29<	33° <	39	1.0<1.0s<1.2
Minimum Energy:	29<	37° <	46	0.9<1.1s<1.3
Eigenvalue:	25<	35° <	46	0.9<1.1s<1.3

Quality: **good** IsNull: **No** Phase: **SKS**





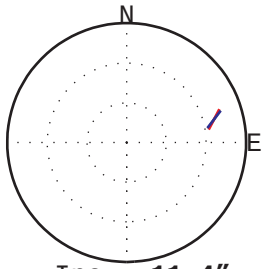




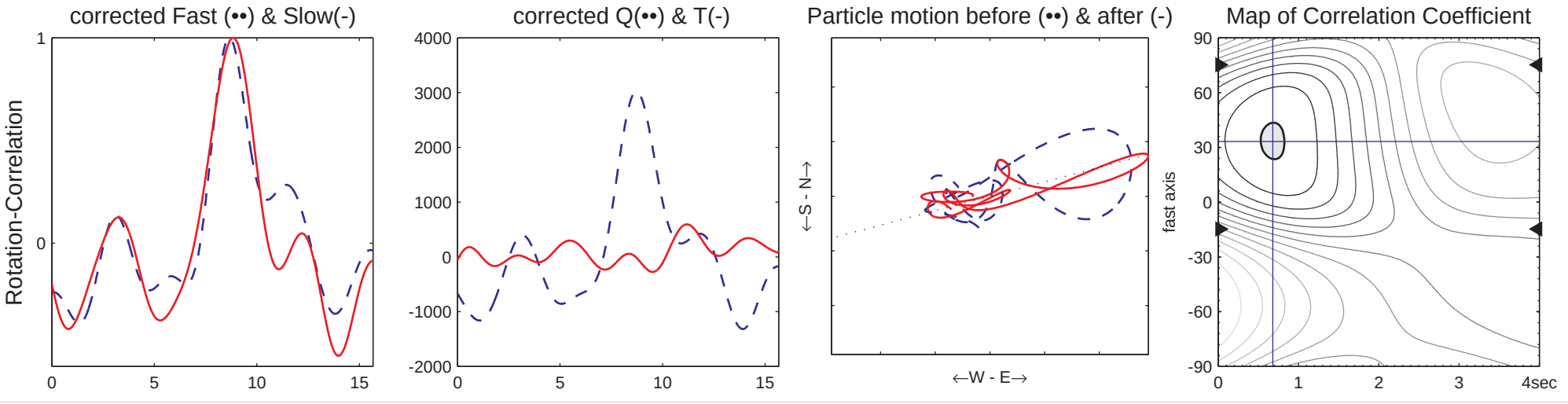
Event: **23-Apr-2011 (113) 04:16 -10.38N 161.20E 79km Mw=6.8**
Station: **SCER** Backazimuth: **75.2”** Distance: **122.58”**
init.Pol.: **259.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

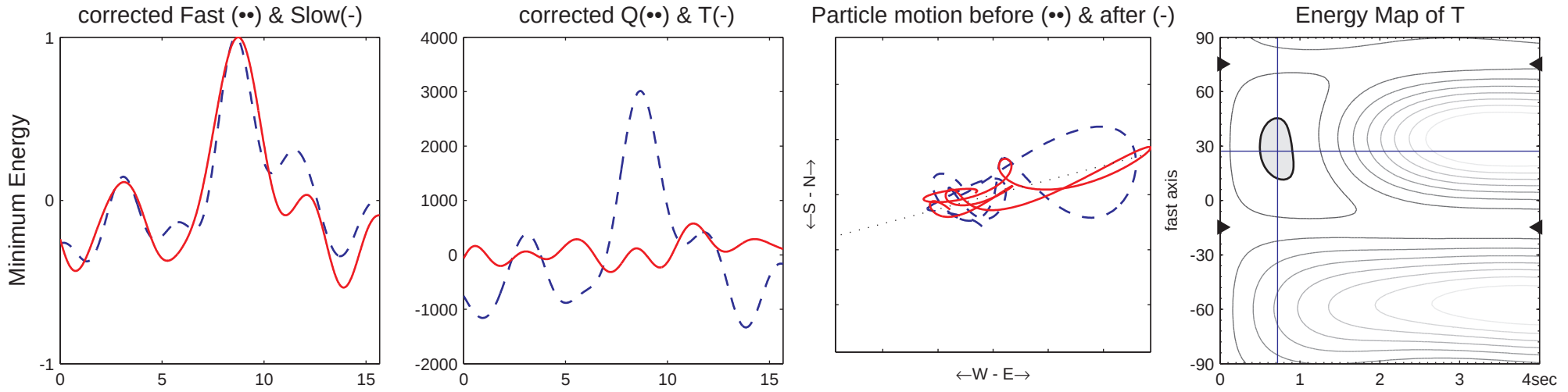
Rotation Correlation:	24<	33° <	44	0.5<0.7s<0.8
Minimum Energy:	11<	27° <	46	0.5<0.7s<0.9
Eigenvalue:	17<	37° <	56	0.5<0.7s<0.9

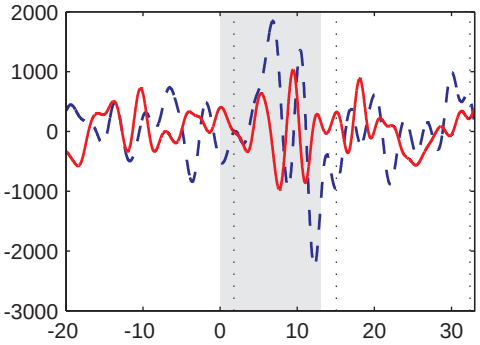
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **11.4”**



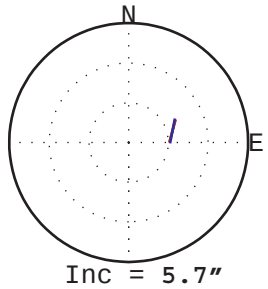


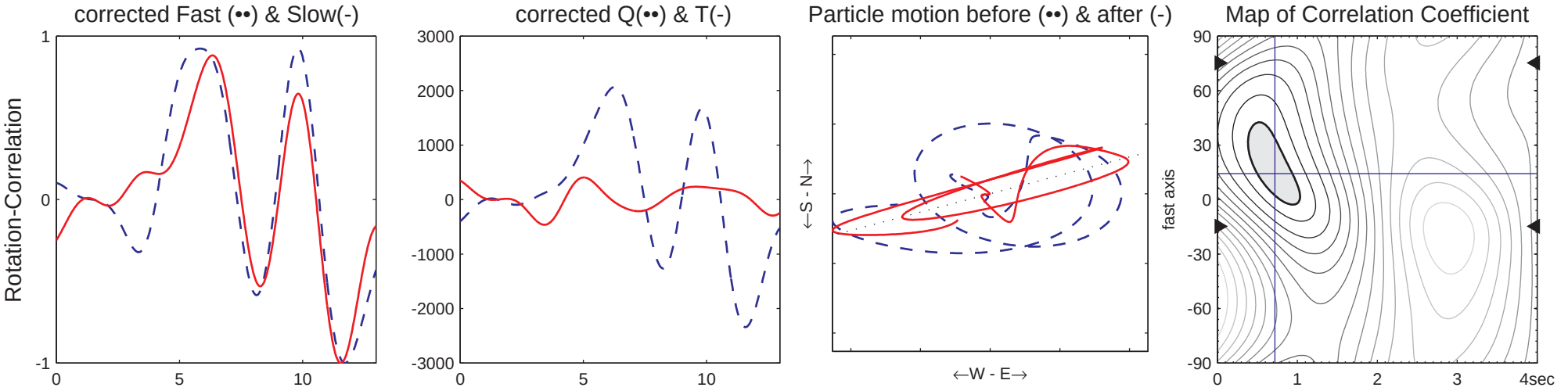


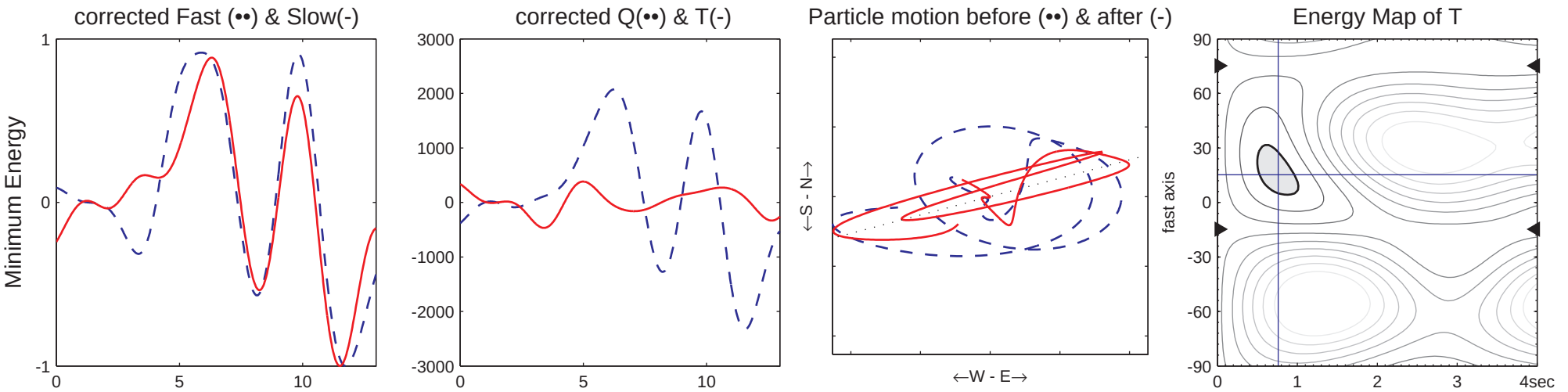
Event: **23-Apr-2011 (113) 04:16 -10.38N 161.20E 79km Mw=6.8**
Station: **SCER** Backazimuth: **75.2”** Distance: **122.58”**
init.Pol.: **251.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.5**

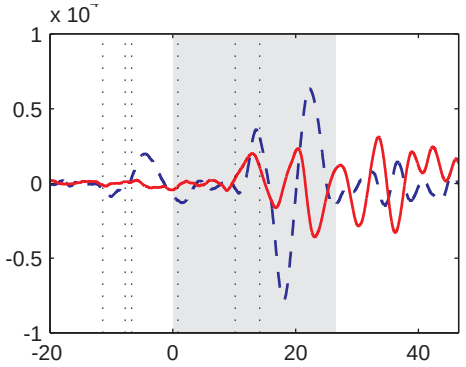
Rotation Correlation:	-3<	14° <	43	0.4<0.7s<1.0
Minimum Energy:	5<	15° <	31	0.5<0.8s<1.0
Eigenvalue:	-5<	11° <	33	0.5<0.8s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





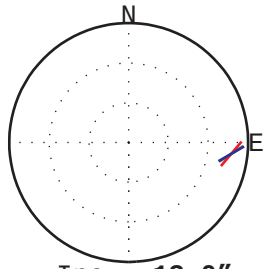




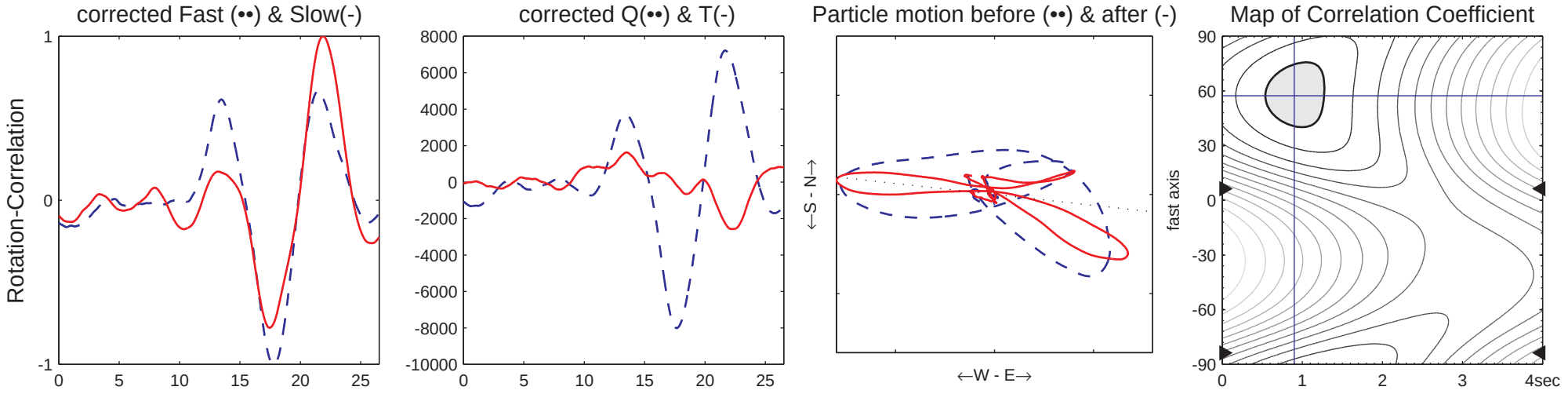
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **SCER** Backazimuth: **96.3”** Distance: **89.61”**
init.Pol.: **282.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

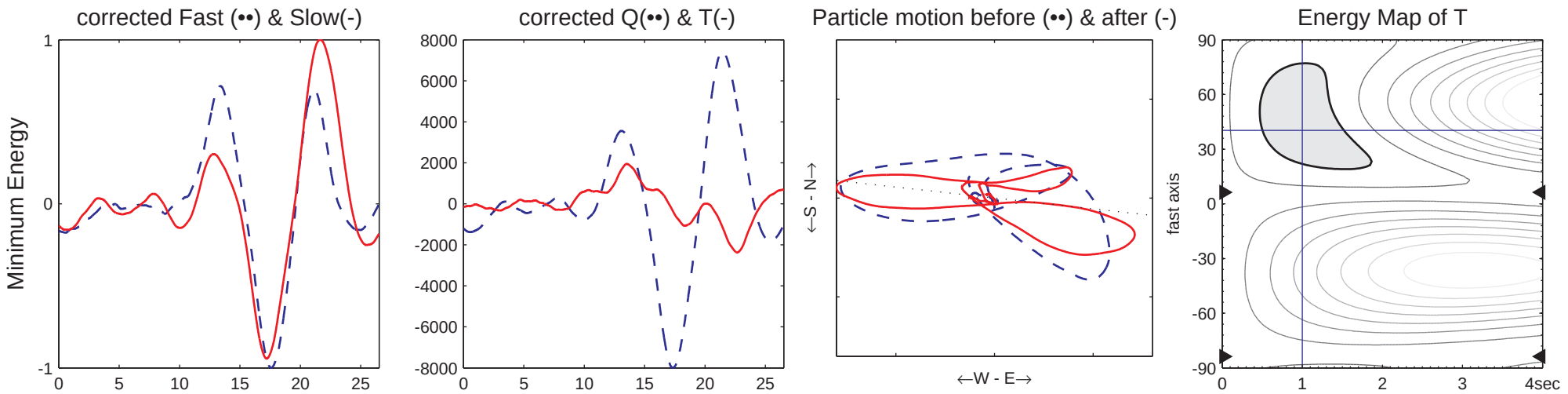
Rotation Correlation:	40<	57° <	76	0.5<0.9s<1.3
Minimum Energy:	19<	40° <	78	0.5<1.0s<1.9
Eigenvalue:	17<	60° <	-82	0.4<0.9s<2.0

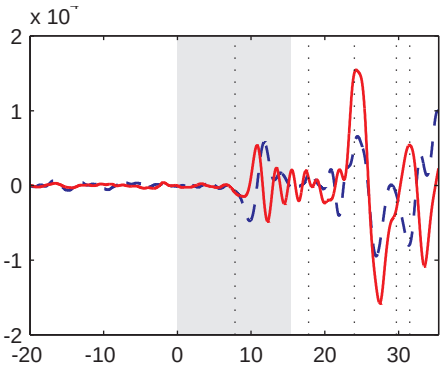
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



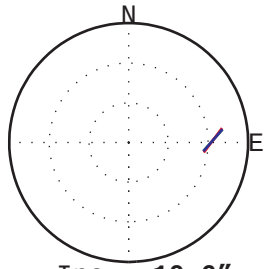


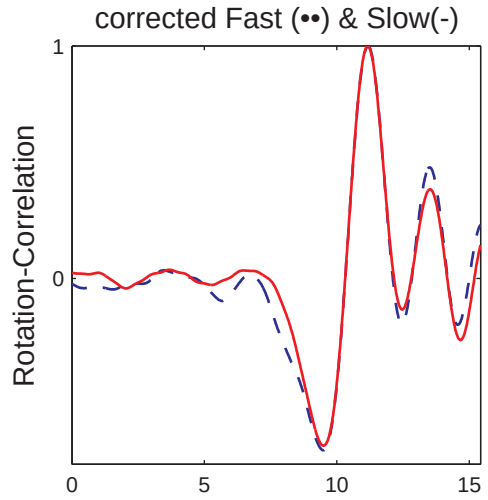


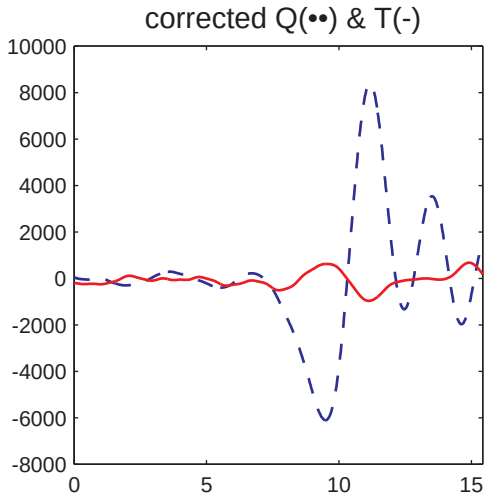
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **SCER** Backazimuth: **88.5”** Distance: **87.87”**
init.Pol.: **272.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**17.3**

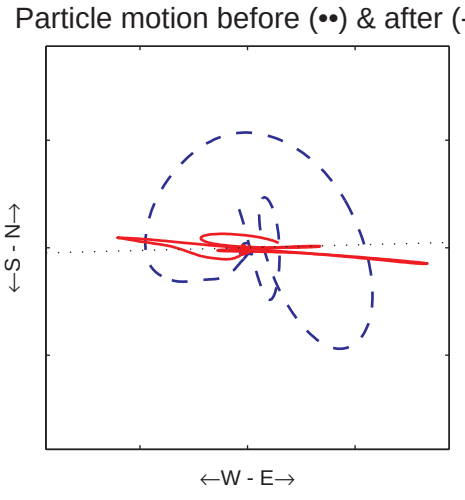
Rotation Correlation:	40<	41° <	44	0.9<0.9s<0.9
Minimum Energy:	37<	36° <	39	0.9<1.0s<1.0
Eigenvalue:	39<	40° <	43	0.9<0.9s<1.0

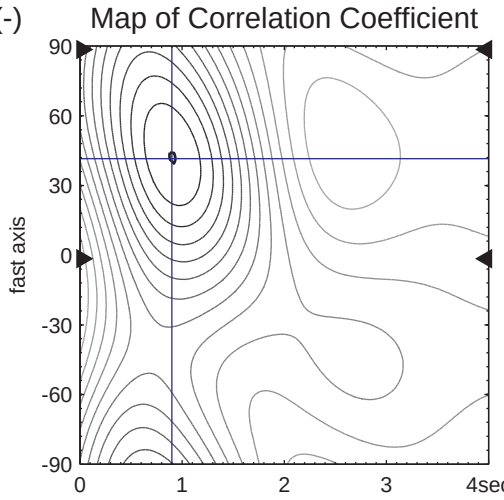
Quality: **good** IsNull: **No** Phase: **SKS**

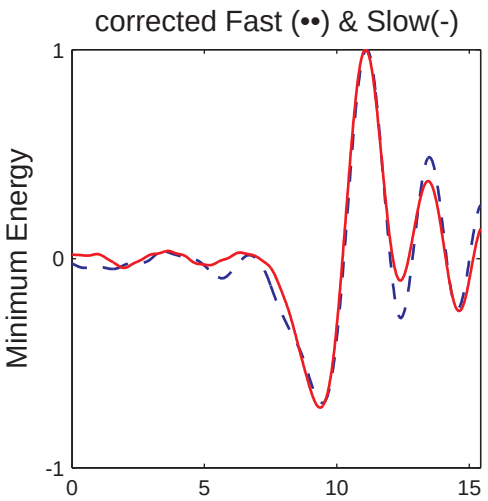


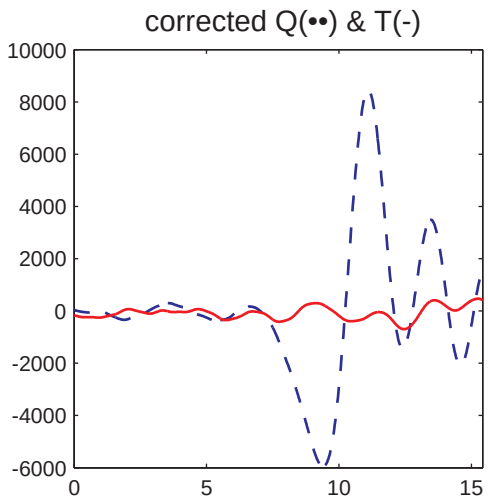


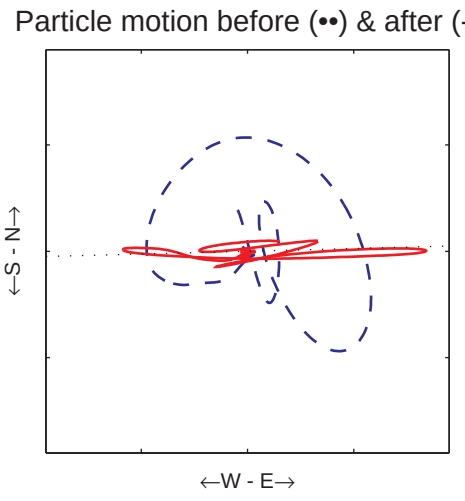


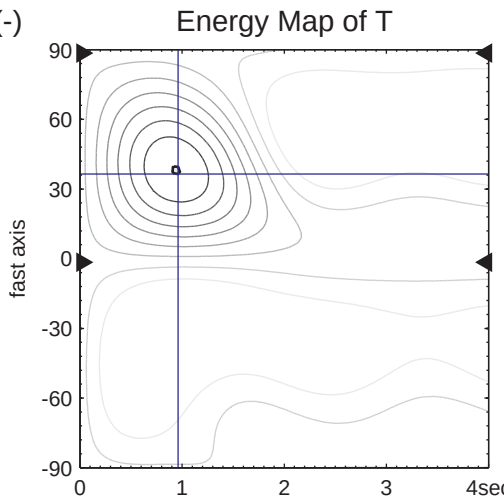


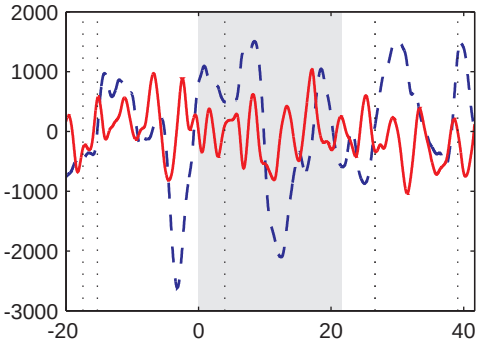








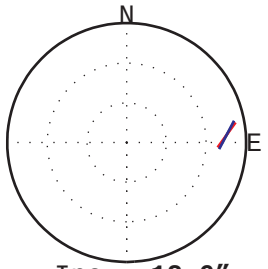




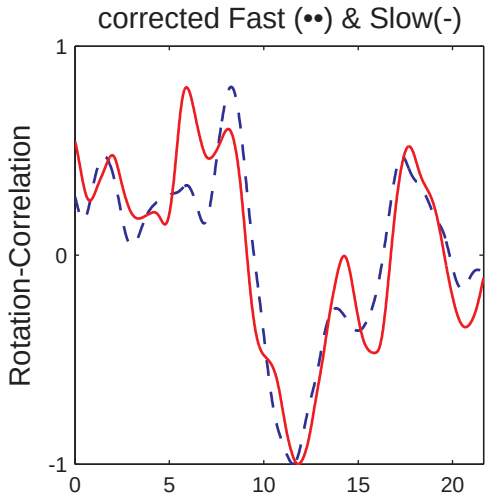
Event: **26-Jun-2011 (177) 12:16 -2.38N 136.63E 17km Mw=6.3**
Station: **SCER** Backazimuth: **85.7”** Distance: **98.82”**
init.Pol.: **259.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.9**

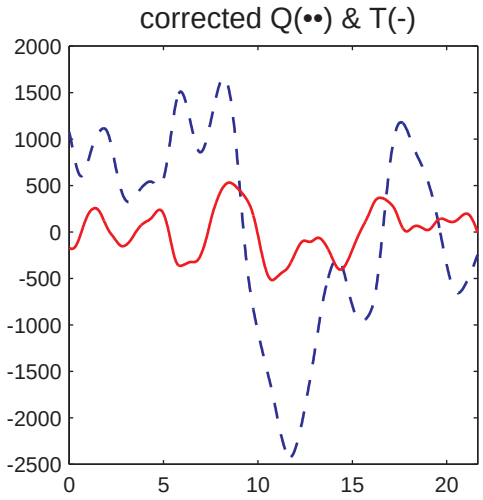
Rotation Correlation:	25<	31° <	40	0.7<0.9s<1.1
Minimum Energy:	21<	36° <	50	0.7<1.0s<1.2
Eigenvalue:	15<	28° <	41	0.8<1.0s<1.2

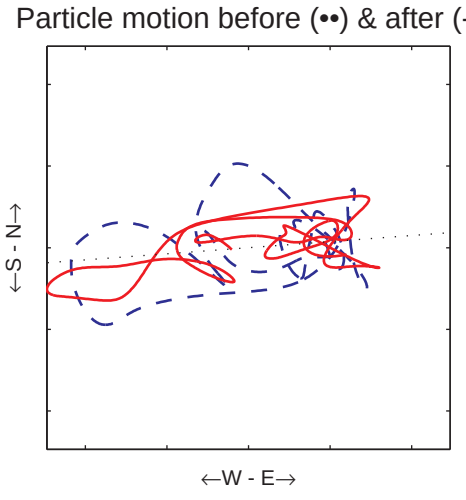
Quality: **good** IsNull: **No** Phase: **SKKS**

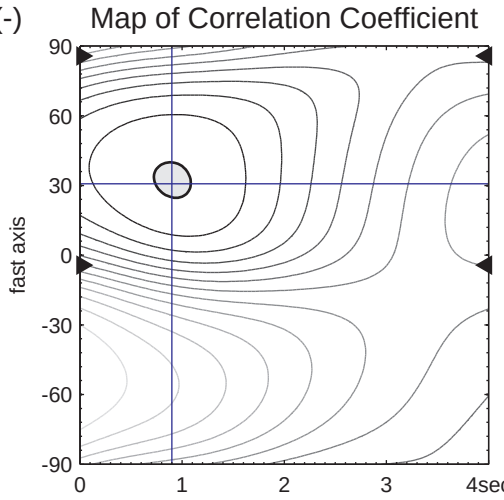


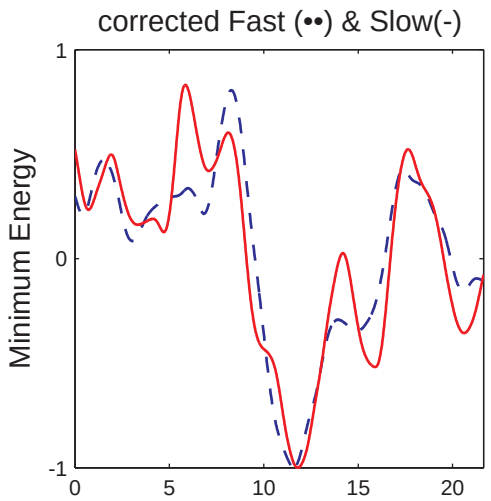
Inc = **12.6”**

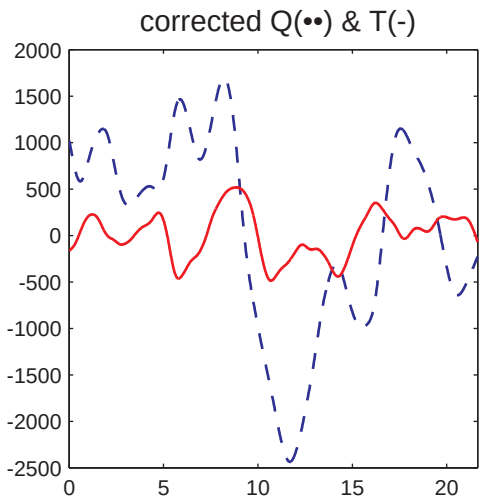


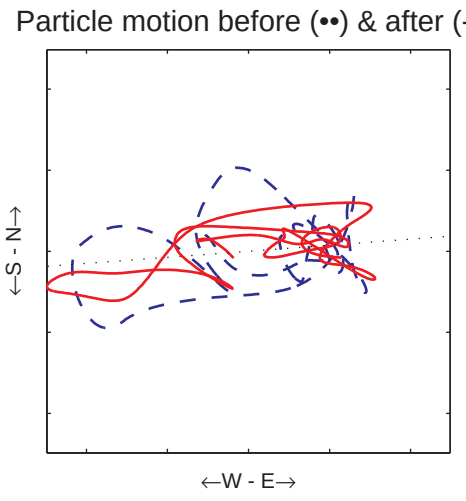


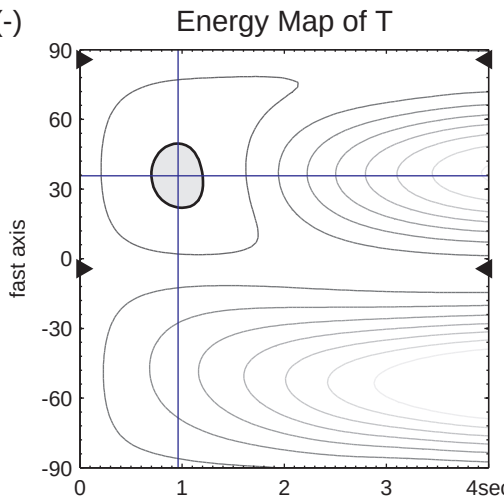


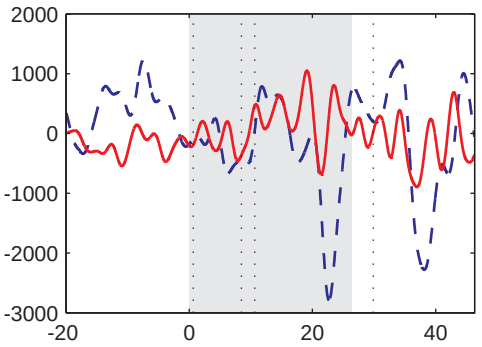








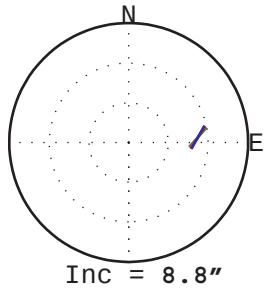


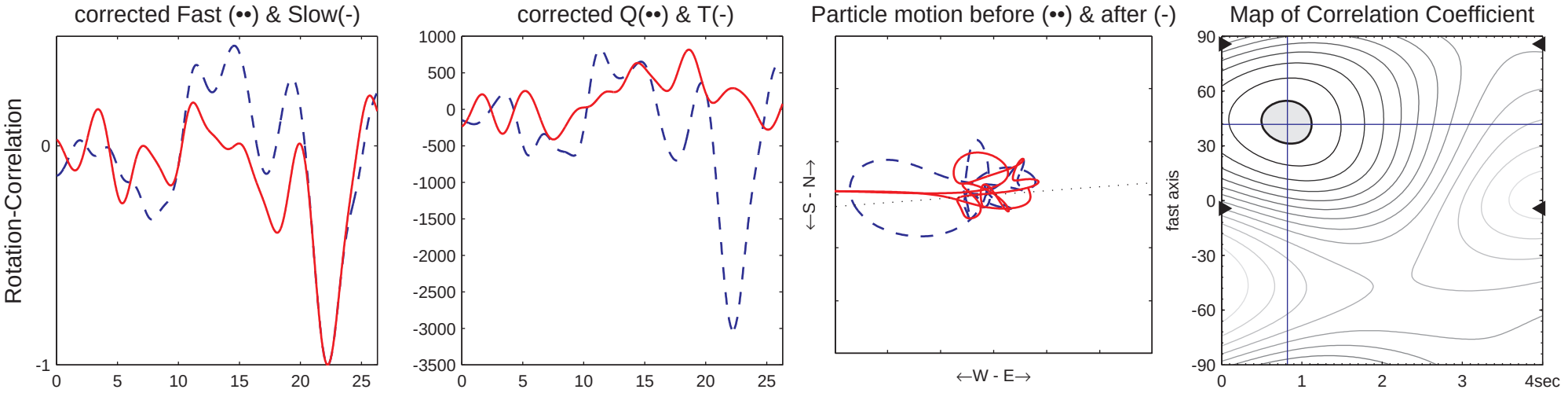


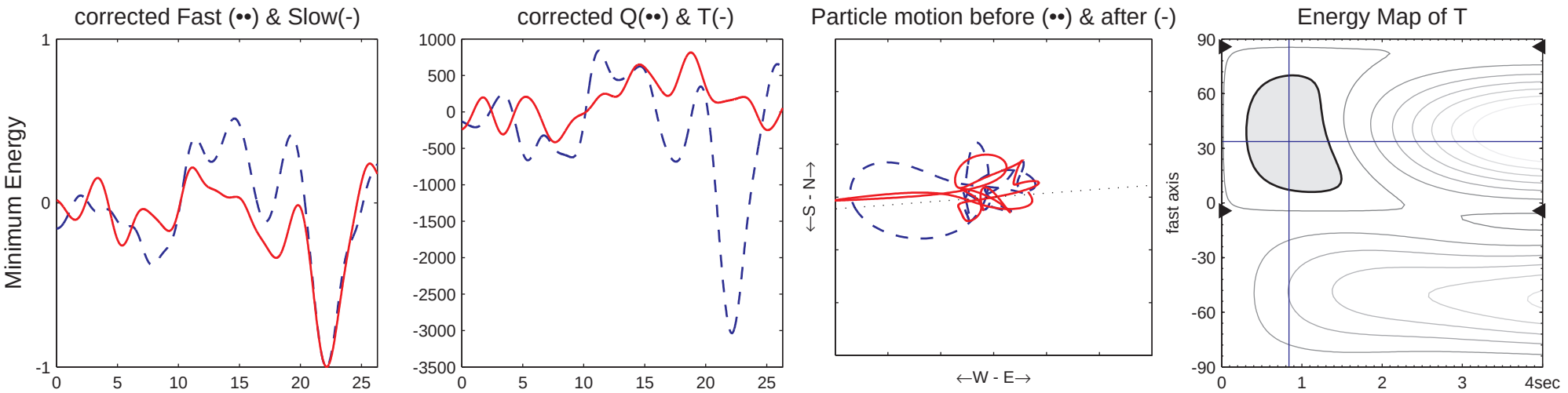
Event: **26-Jun-2011 (177) 12:16 -2.38N 136.63E 17km Mw=6.3**
Station: **SCER** Backazimuth: **85.7”** Distance: **98.82”**
init.Pol.: **262.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.2**

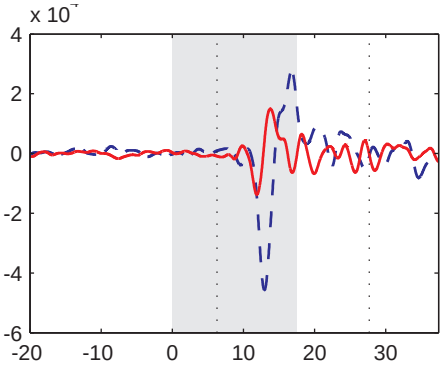
Rotation Correlation:	32<	42° <	55	0.5<0.8s<1.1
Minimum Energy:	5<	34° <	70	0.3<0.8s<1.5
Eigenvalue:	-1<	30° <	70	0.4<0.8s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





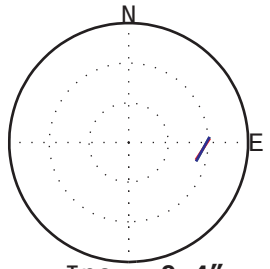


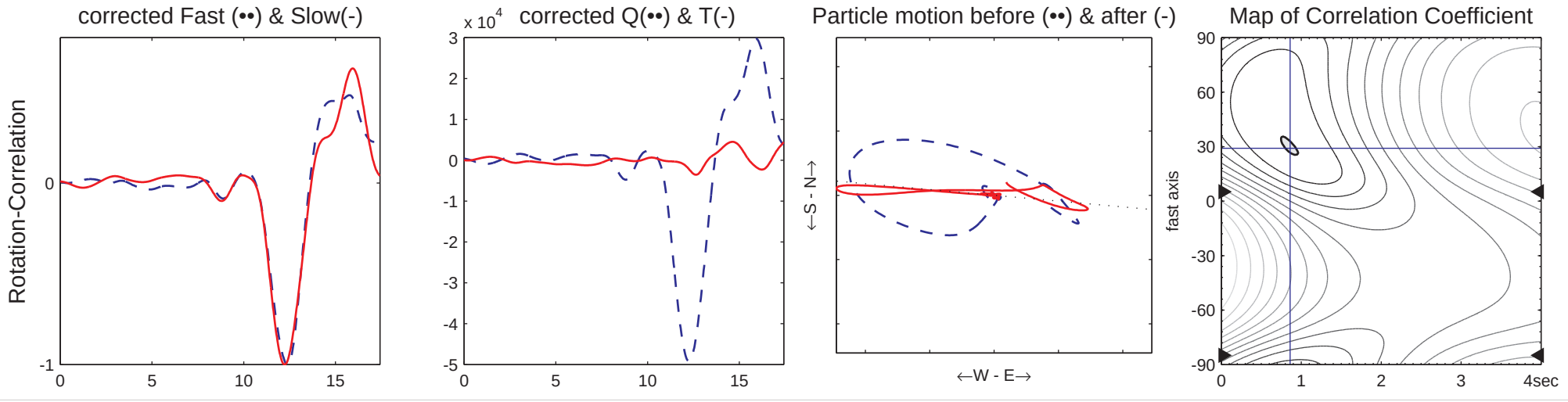


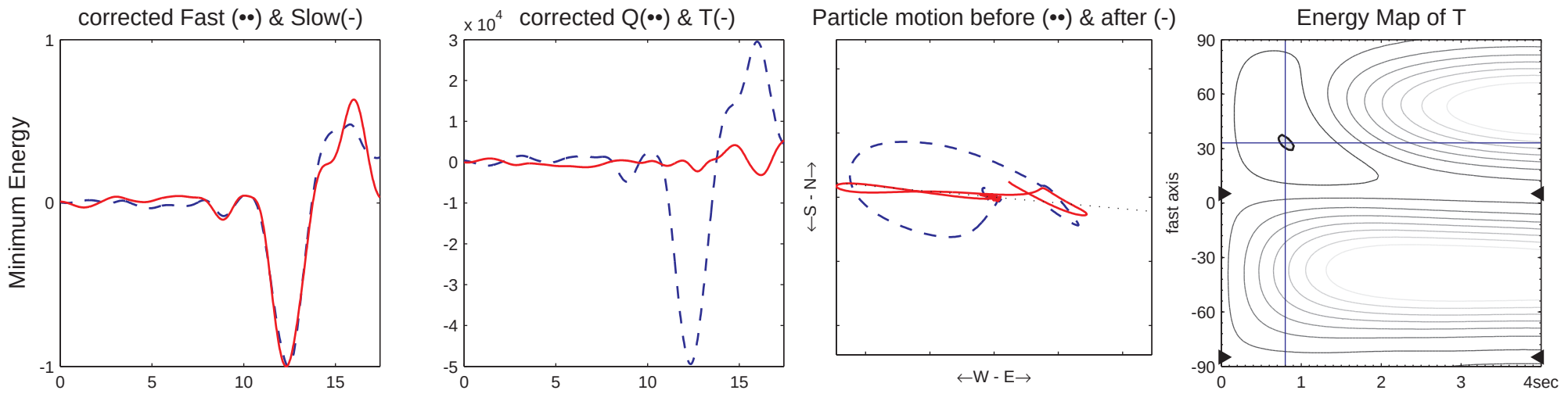
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **SCER** Backazimuth: **95.1”** Distance: **93.78”**
init.Pol.: **272.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**16.9**

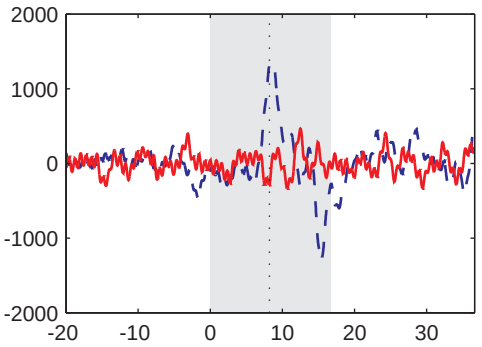
Rotation Correlation:	26<	29° <	36	0.8<0.9s<1.0
Minimum Energy:	29<	33° <	37	0.7<0.8s<0.9
Eigenvalue:	25<	29° <	35	0.8<0.9s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





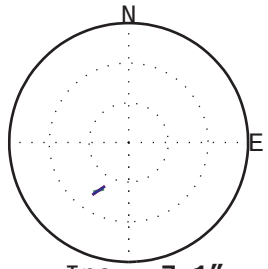


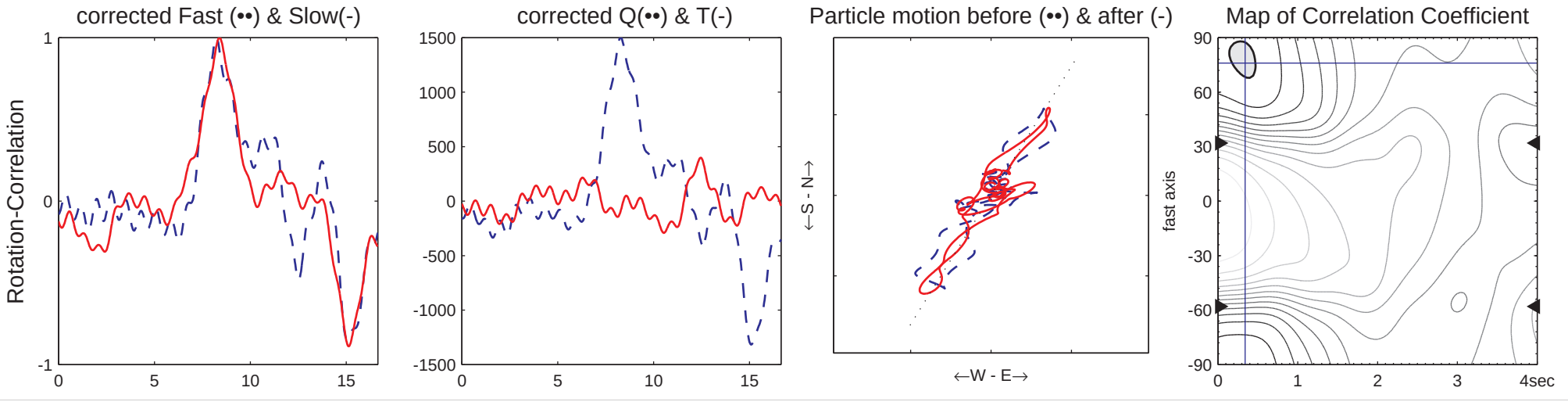


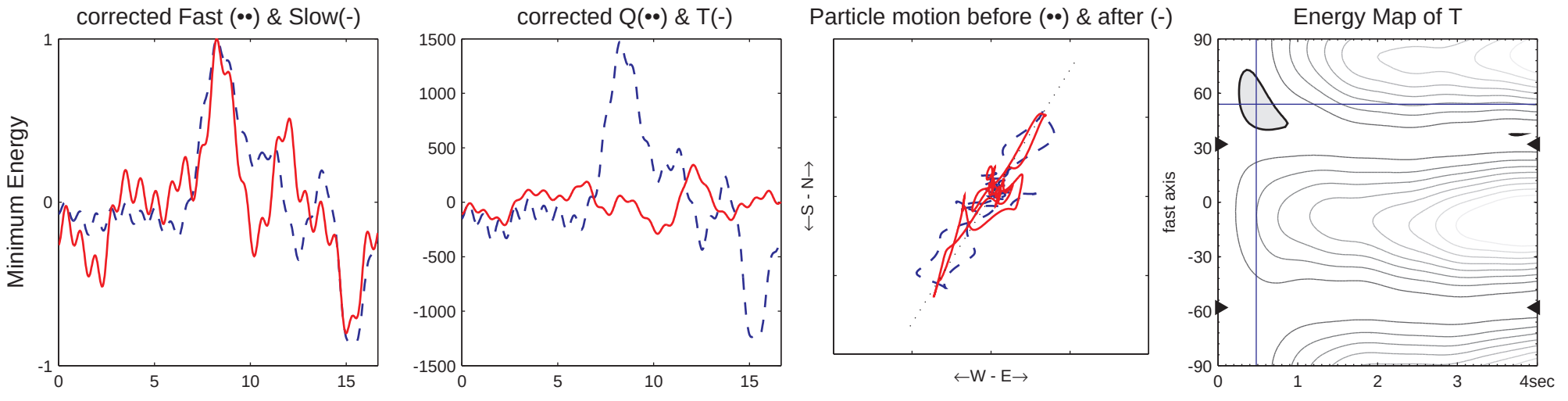
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **SCER** Backazimuth: **212.0”** Distance: **110.37”**
init.Pol.: **34.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.9**

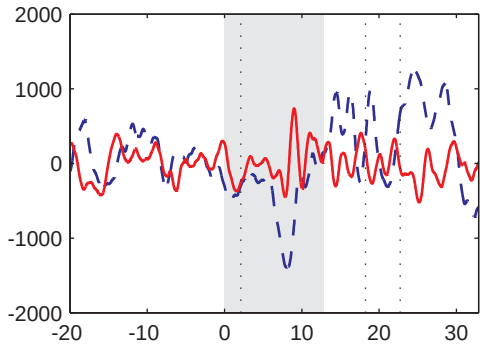
Rotation Correlation:	68<	76° <	88	0.2<0.3s<0.5
Minimum Energy:	39<	54° <	74	0.3<0.5s<0.9
Eigenvalue:	41<	56° <	78	0.2<0.5s<0.8

Quality: **fair** IsNull: **No** Phase: **SKS**





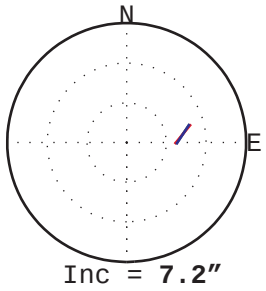


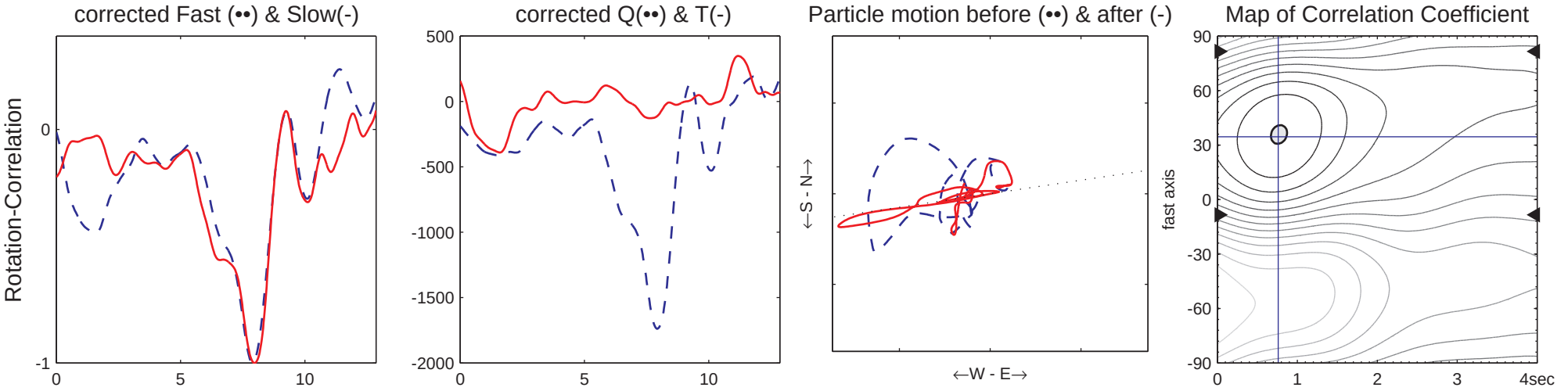


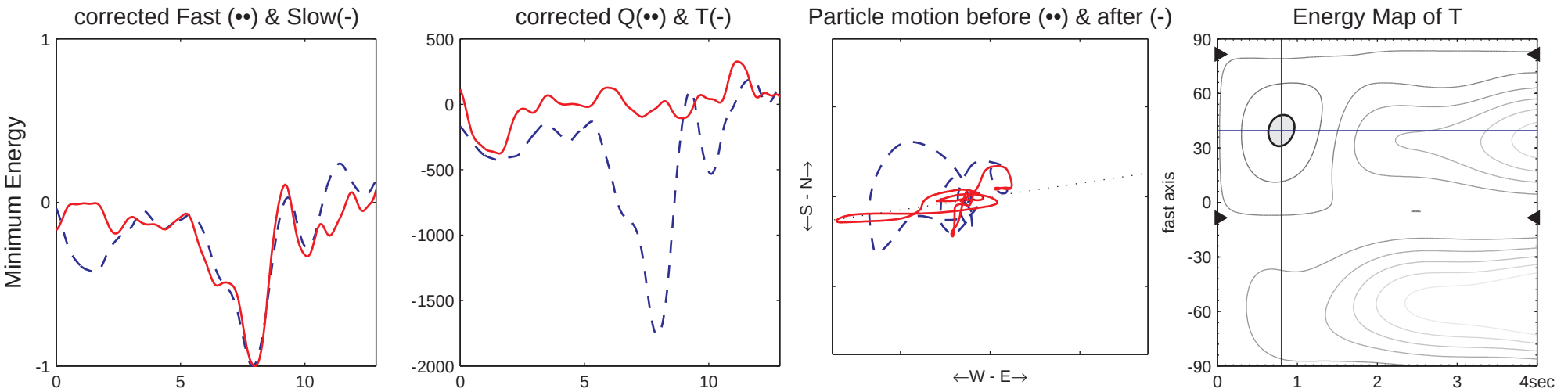
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **SCER** Backazimuth: **81.6”** Distance: **110.09”**
init.Pol.: **254.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.0**

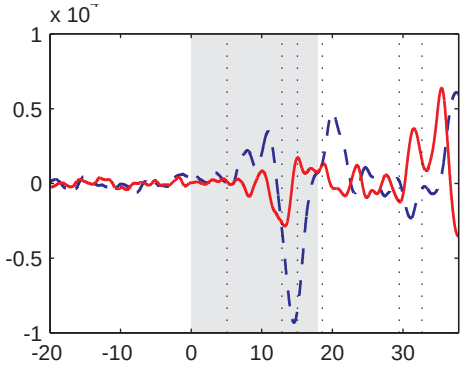
Rotation Correlation:	31<	35° <	41	0.7<0.8s<0.9
Minimum Energy:	31<	40° <	48	0.6<0.8s<1.0
Eigenvalue:	23<	34° <	43	0.6<0.8s<0.9

Quality: **good** IsNull: **No** Phase: **SKS**





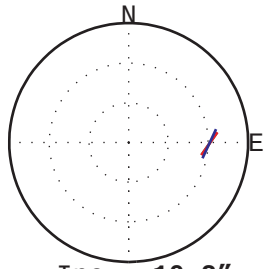




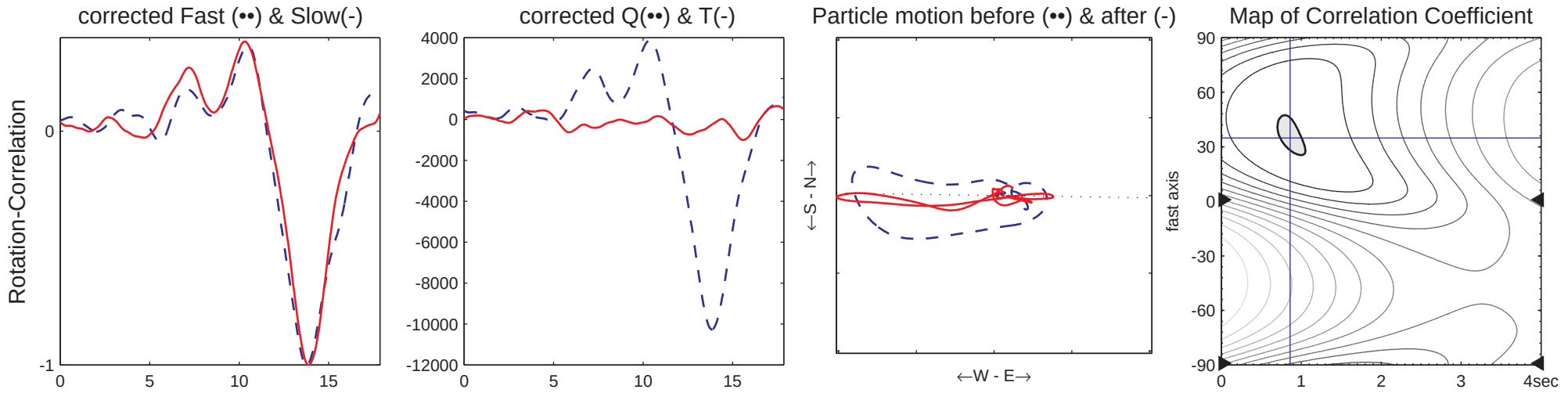
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **SCER** Backazimuth: **90.9”** Distance: **90.44”**
init.Pol.: **266.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.8**

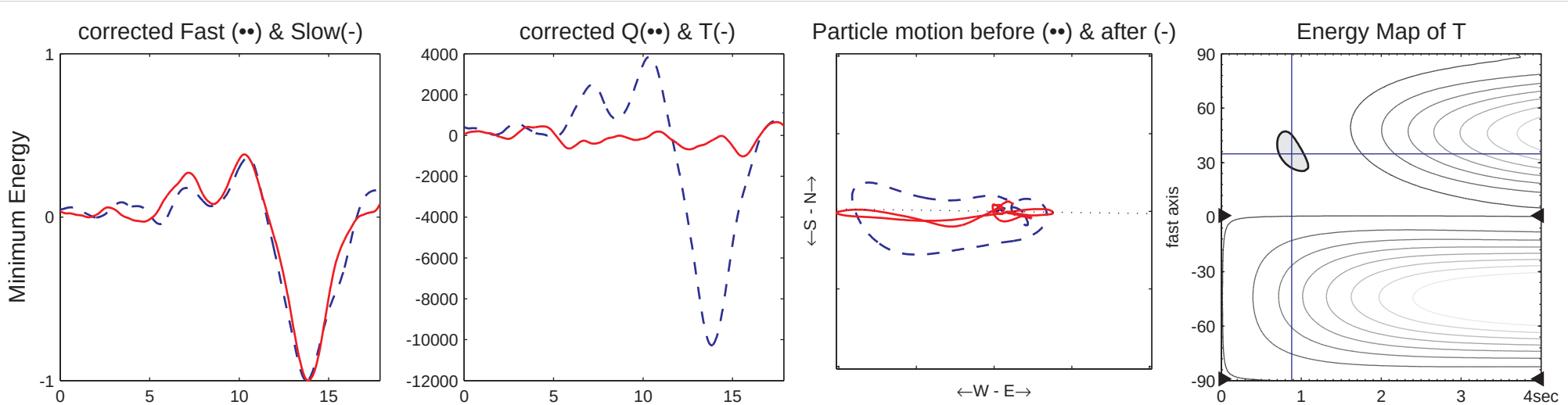
Rotation Correlation:	26<	35° <	48	0.7<0.9s<1.0
Minimum Energy:	25<	35° <	48	0.7<0.9s<1.1
Eigenvalue:	17<	25° <	35	0.8<1.0s<1.3

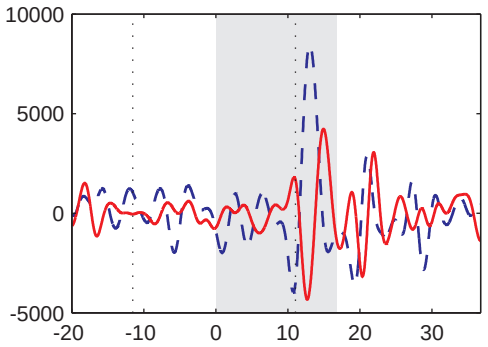
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.2”**



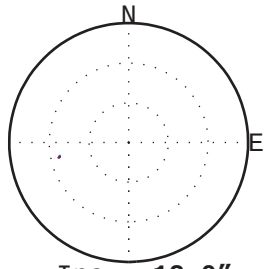




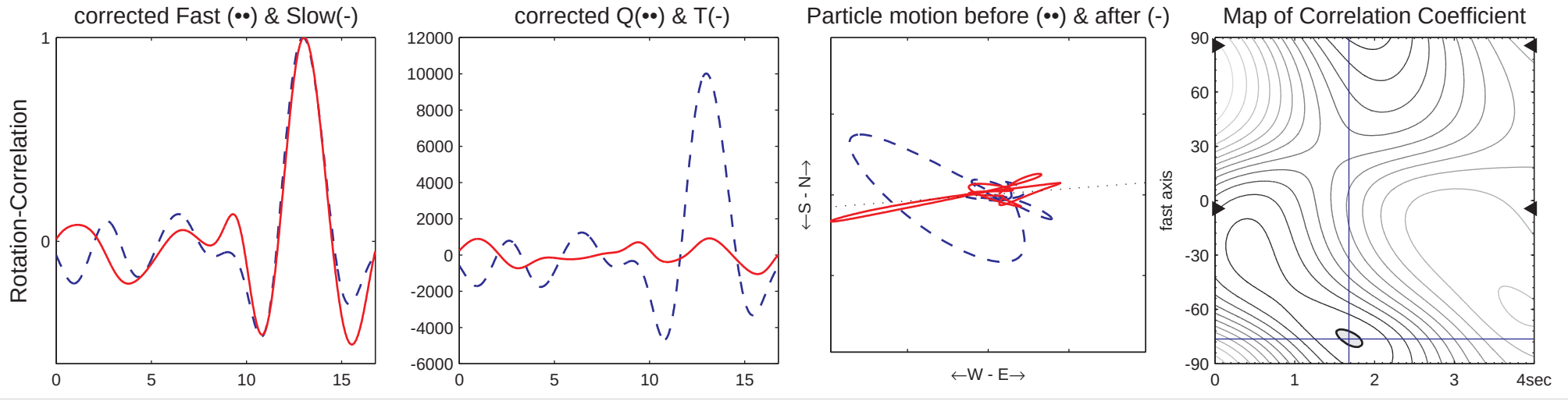
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **SCER** Backazimuth: **265.6”** Distance: **109.05”**
init.Pol.: **83.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.2**

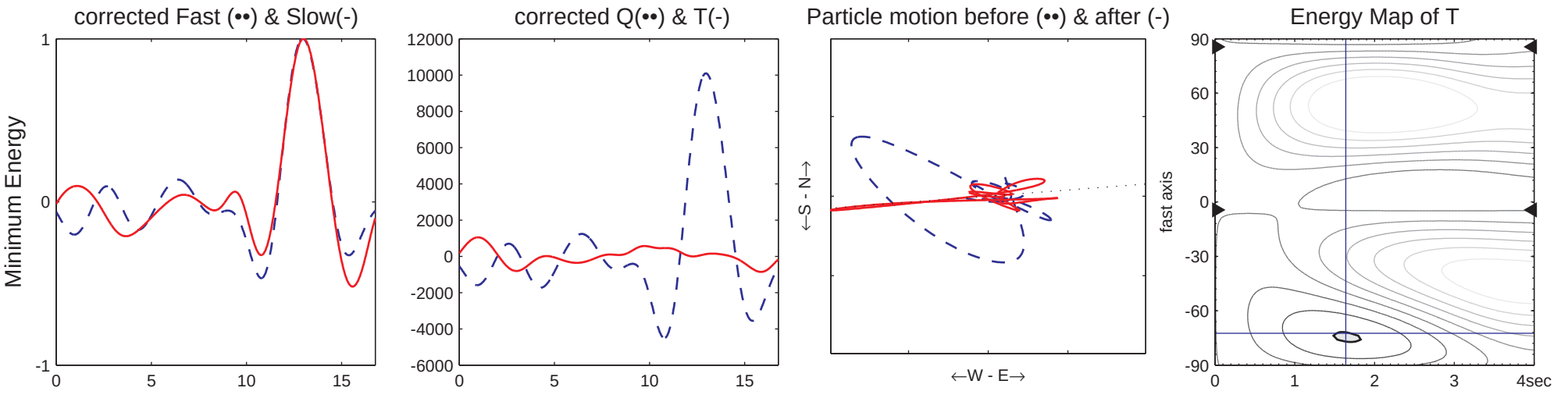
Rotation Correlation:	-82< -76° < -72	1.5<1.7s<1.8
Minimum Energy:	-80< -72° < -74	1.5<1.6s<1.8
Eigenvalue:	-84< -74° < -74	1.5<1.7s<1.8

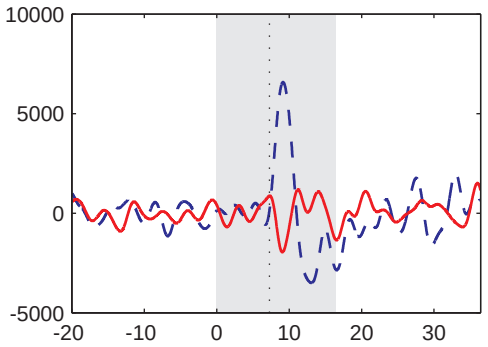
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



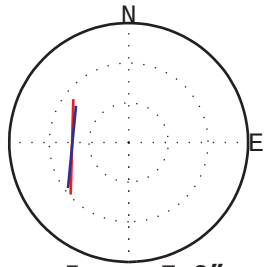


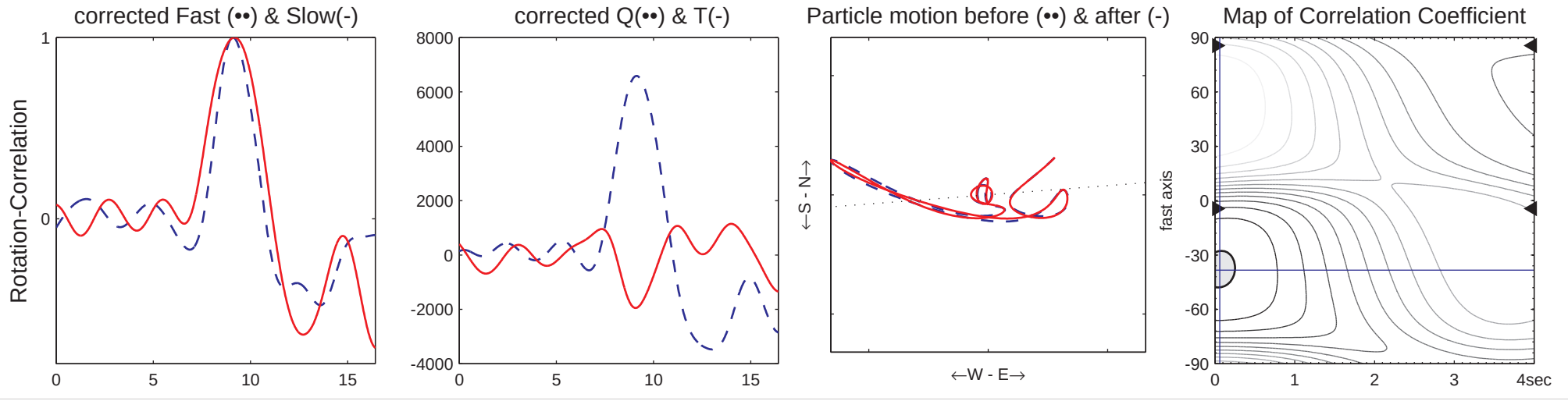


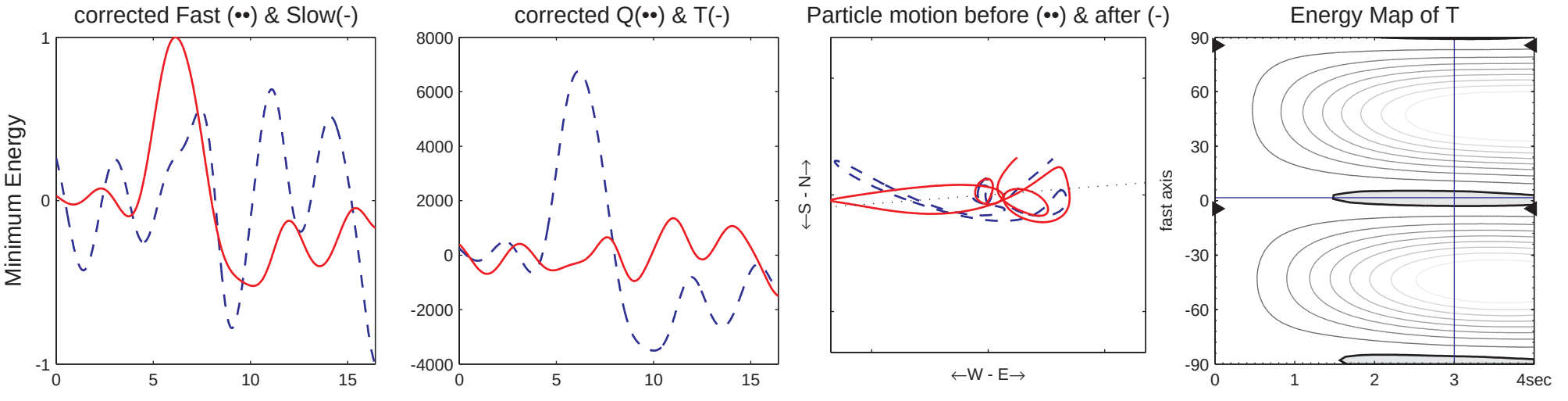
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **SCER** Backazimuth: **265.6”** Distance: **109.05”**
init.Pol.: **93.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.4**

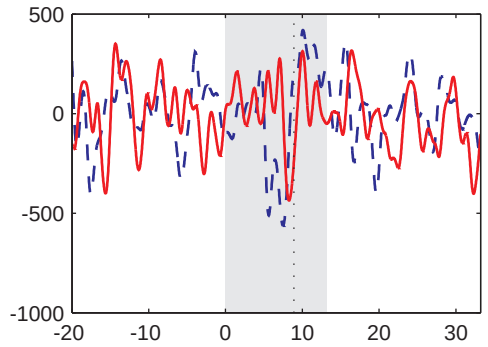
Rotation Correlation:	-49<	-38° < -29	0.0<0.1s<0.2
Minimum Energy:	-3<	2° < 5	1.5<3.0s<4.0
Eigenvalue:	-Inf<	6° < Inf	0.0<2.6s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





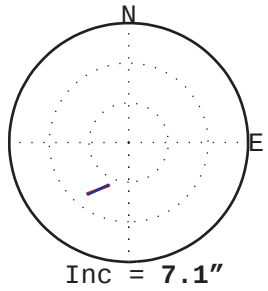


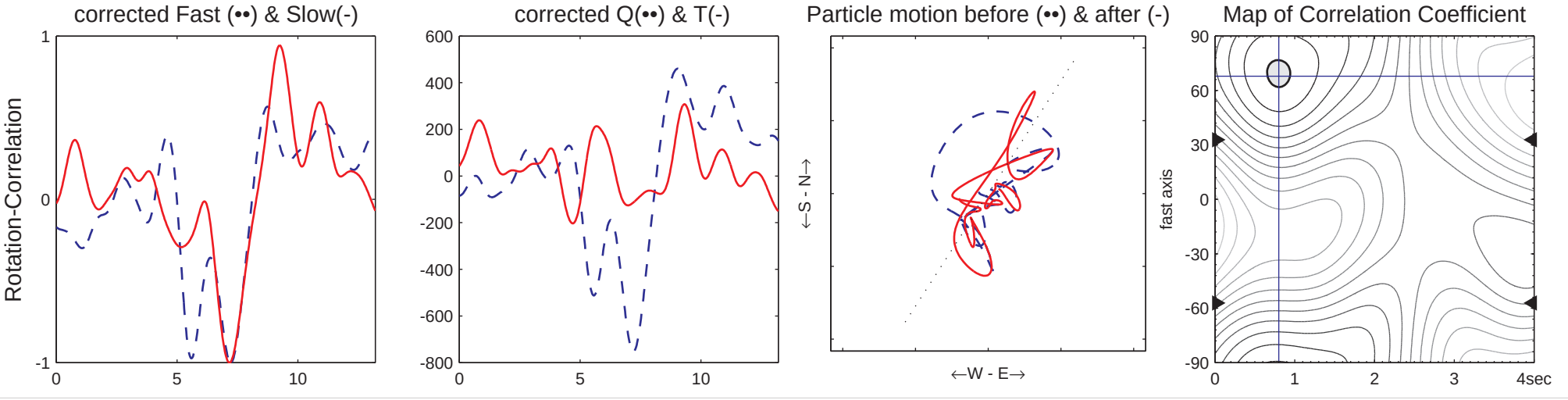


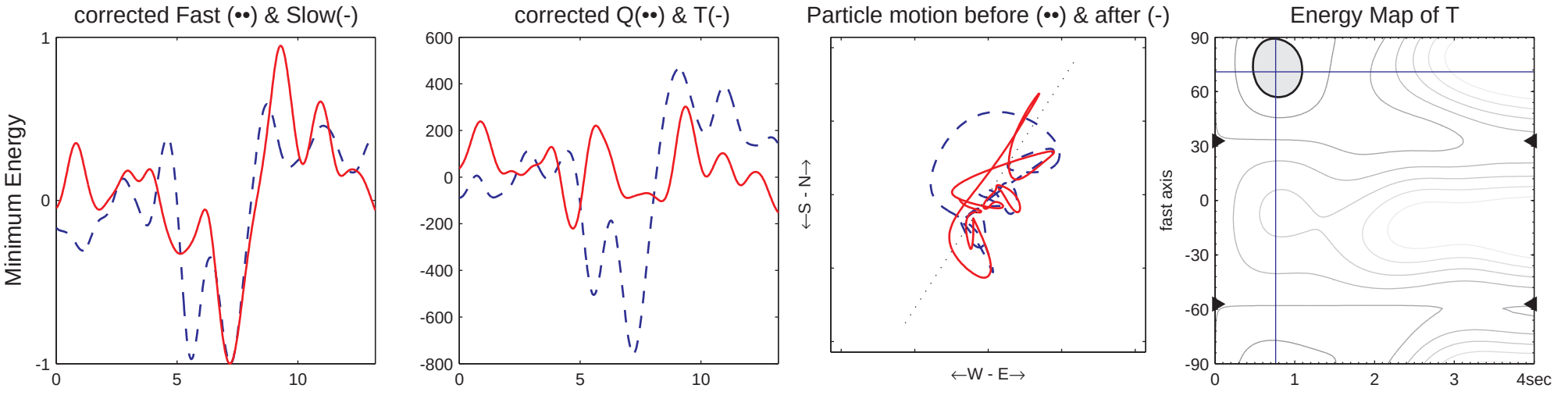
Event: **11-Dec-2011 (345) 09:54 -56.01N -28.18E 116km** Mw=**6.2**
Station: **SCER** Backazimuth: **212.9”** Distance: **110.62”**
init.Pol.: **26.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

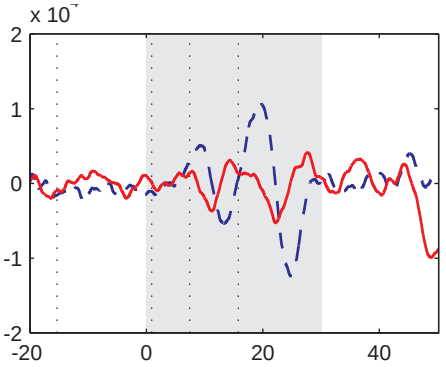
Rotation Correlation:	62<	68° <	77	0.6<0.8s<1.0
Minimum Energy:	58<	71° <	-92	0.5<0.8s<1.1
Eigenvalue:	50<	65° <	86	0.5<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





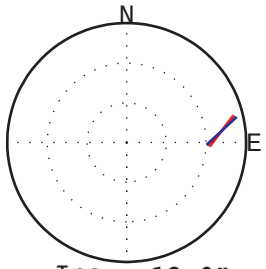




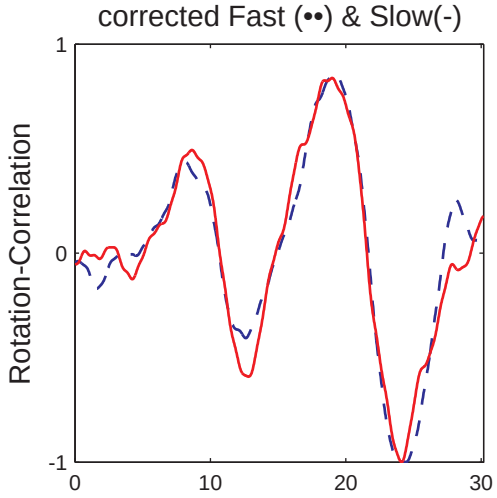
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **SCER** Backazimuth: **83.1”** Distance: **109.91”**
init.Pol.: **266.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.9**

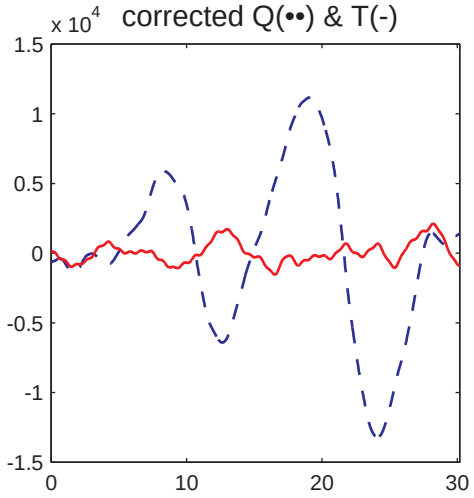
Rotation Correlation:	27<	43° <	62	1.0<1.3s<1.6
Minimum Energy:	23<	37° <	52	1.0<1.2s<1.5
Eigenvalue:	21<	47° <	74	1.0<1.3s<2.0

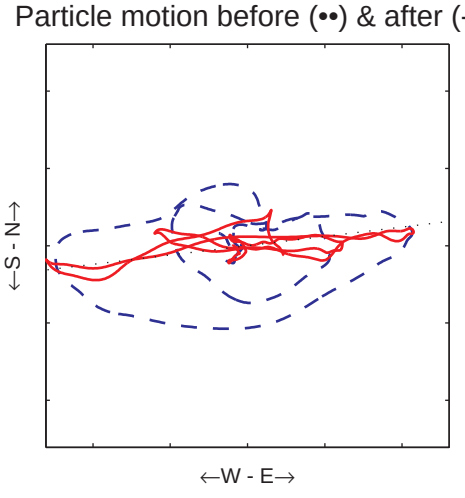
Quality: **fair** IsNull: **No** Phase: **SKKS**

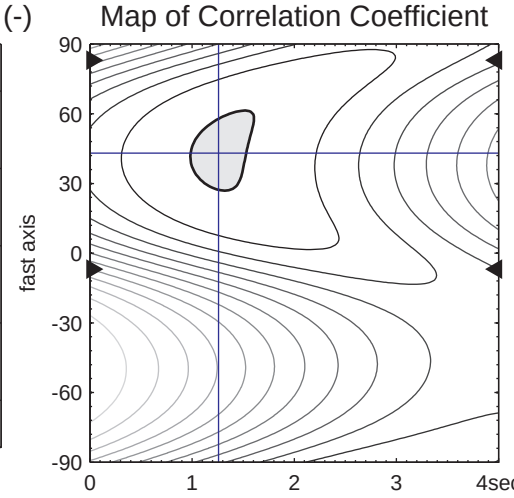


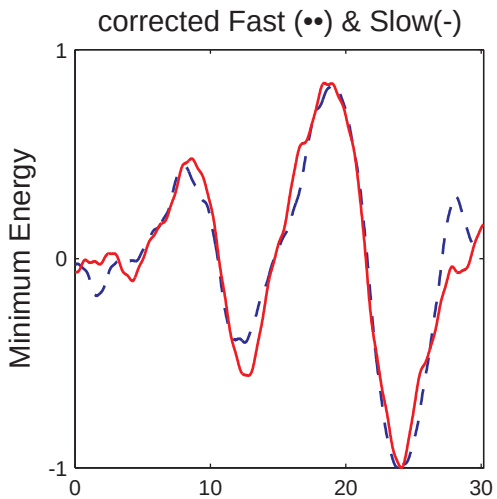
Inc = **12.0”**

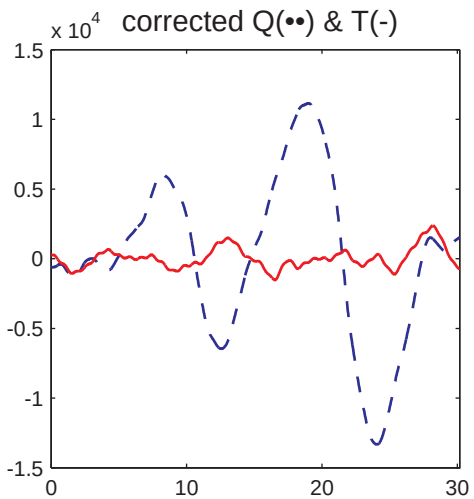


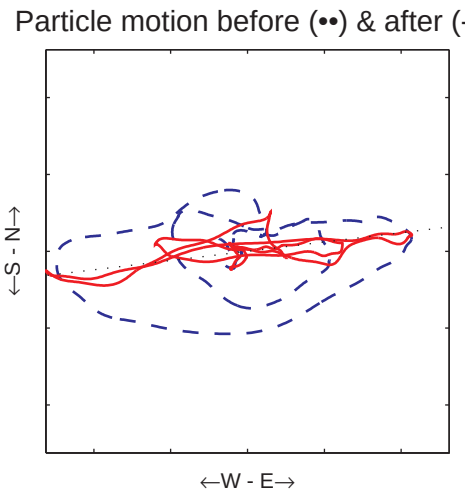


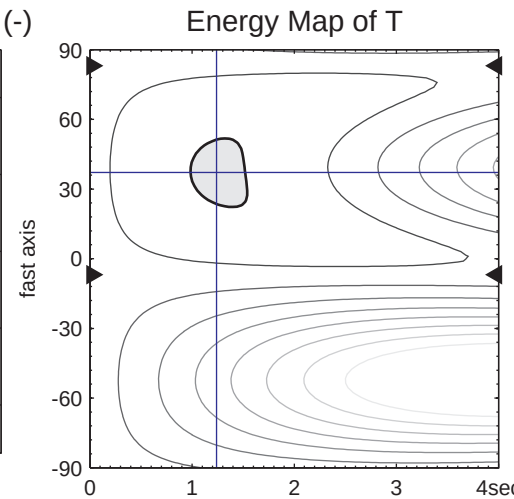


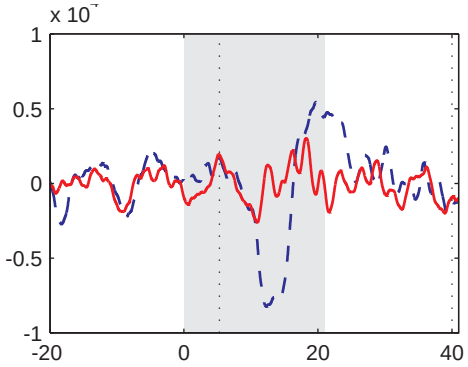








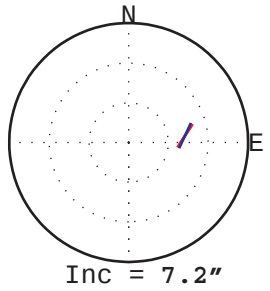


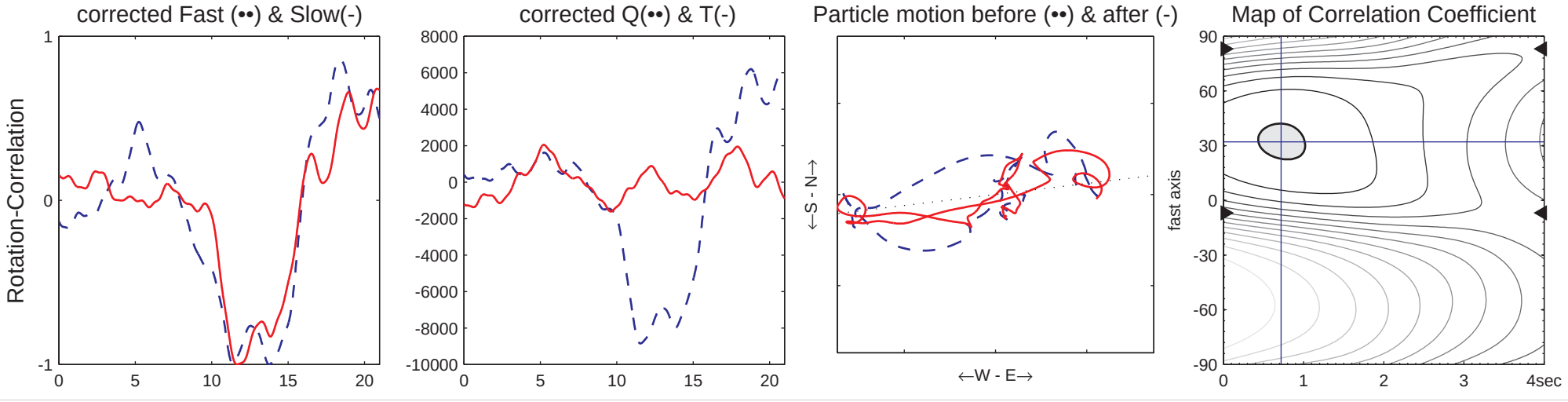


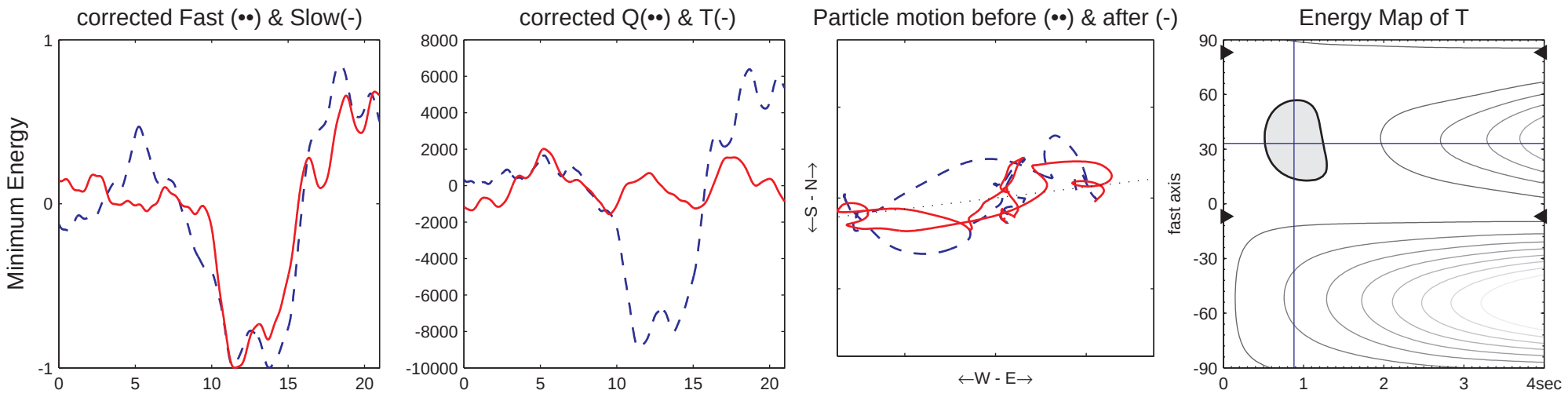
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **SCER** Backazimuth: **83.1”** Distance: **109.91”**
init.Pol.: **258.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.9**

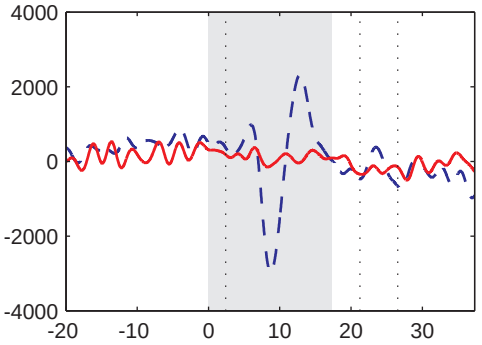
Rotation Correlation:	23<	32° <	42	0.4<0.7s<1.0
Minimum Energy:	13<	33° <	58	0.5<0.9s<1.3
Eigenvalue:	5<	25° <	50	0.5<0.9s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





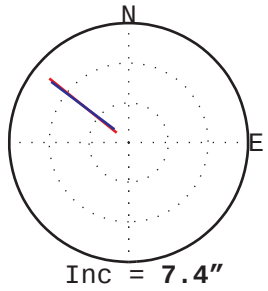


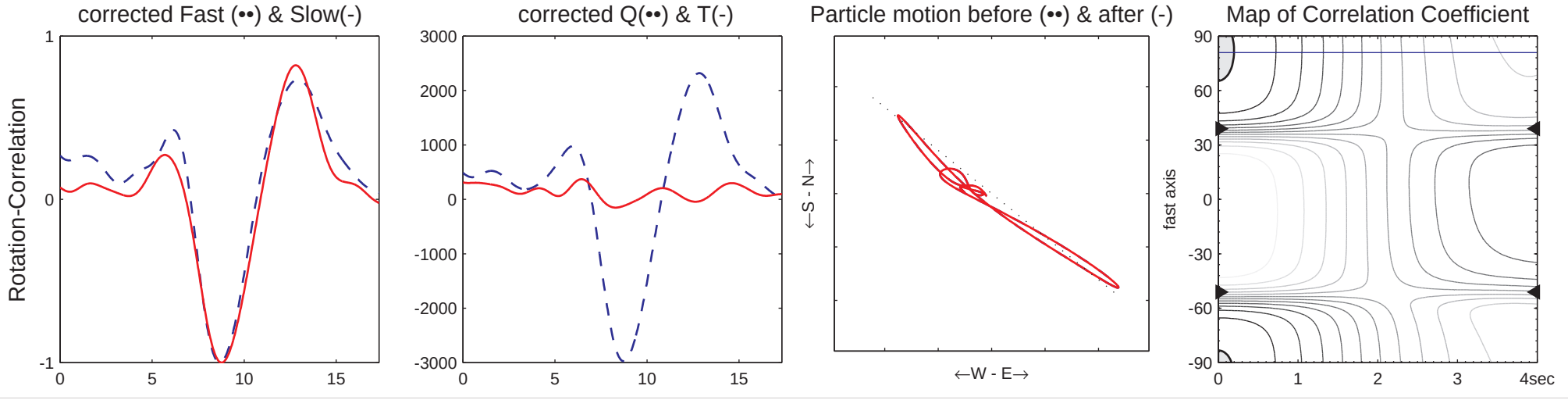


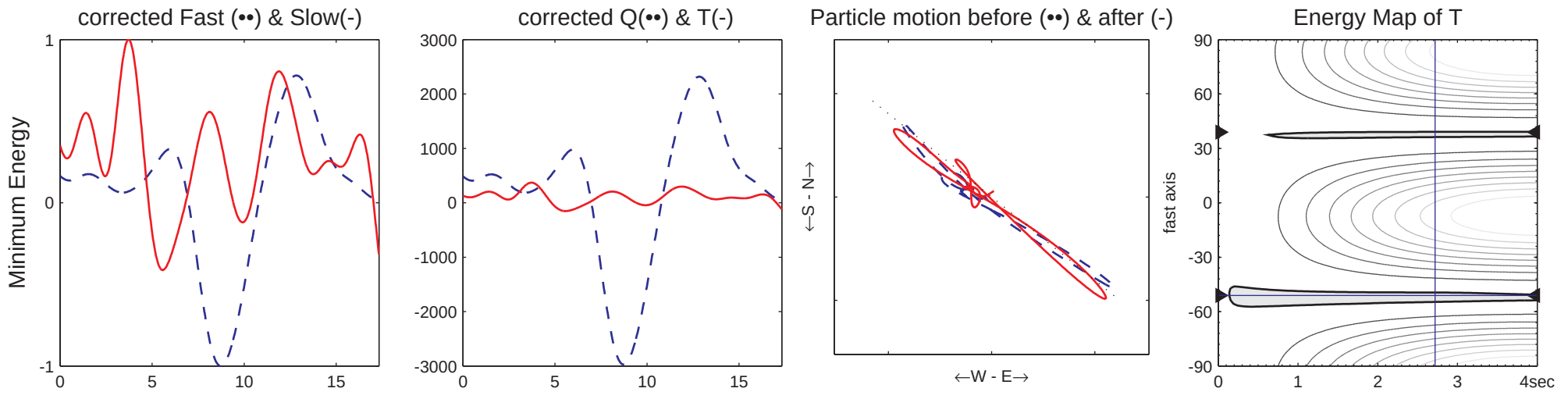
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **SCER** Backazimuth: **308.9”** Distance: **108.28”**
init.Pol.: **126.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.7**

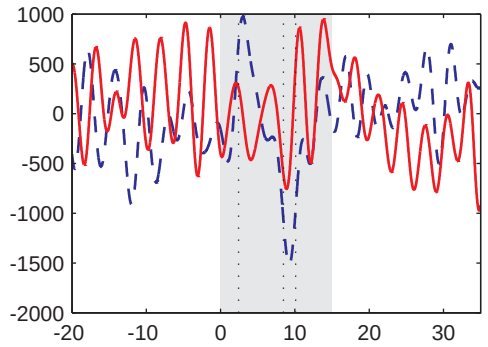
Rotation Correlation:	65<	81° < -84	0.0<0.0s<0.2
Minimum Energy:	-60<	-51° < -48	0.1<2.7s<4.0
Eigenvalue:	-Inf<	-53° < Inf	0.0<2.5s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





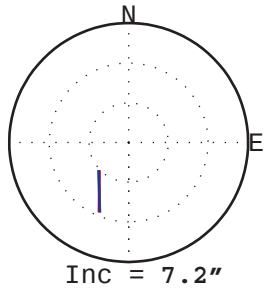


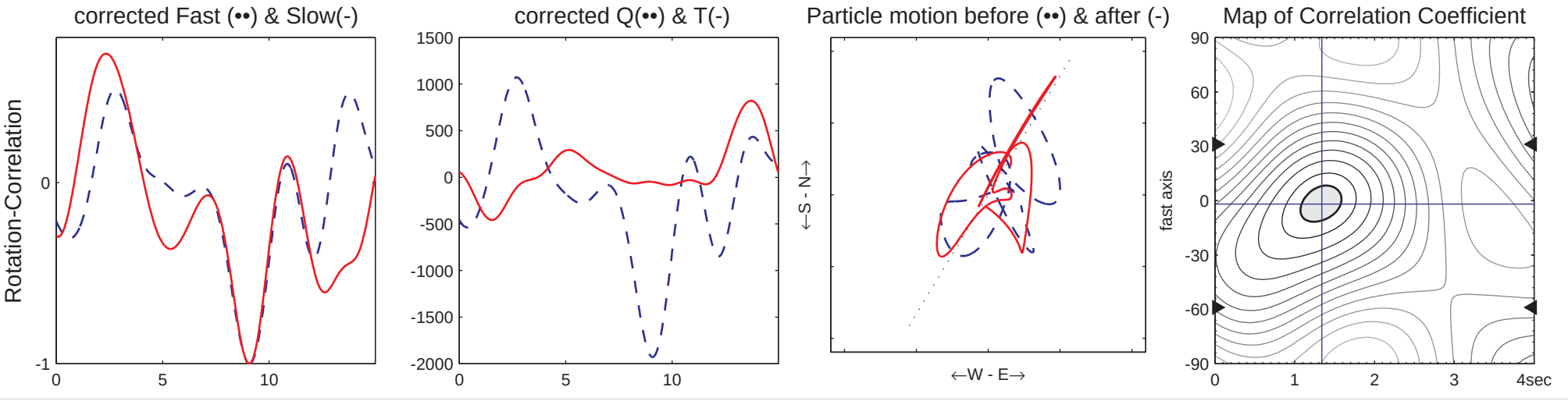


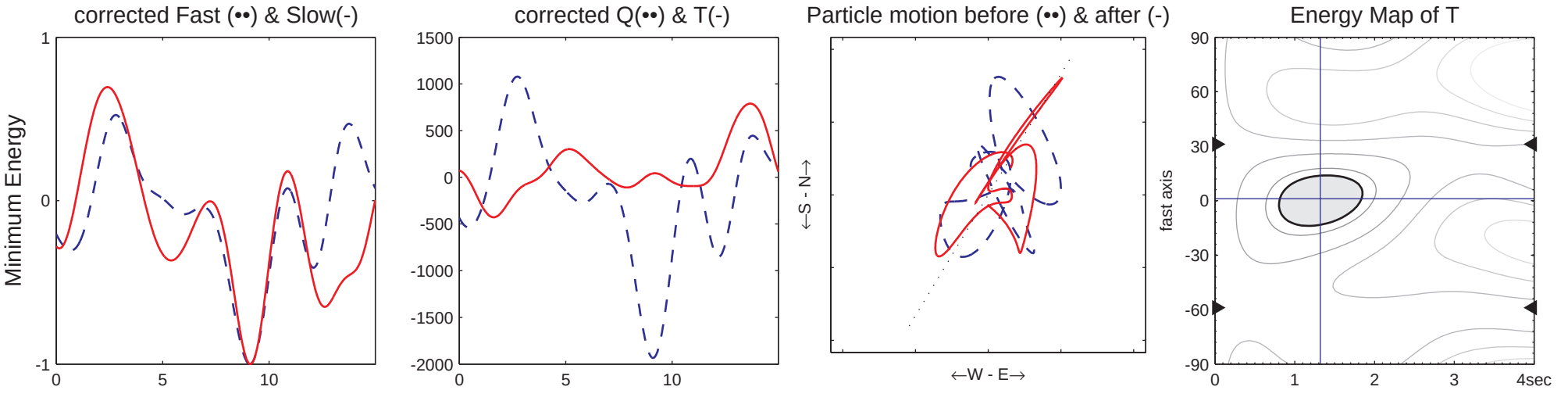
Event: **22-Jan-2012 (022) 05:53 -56.76N -25.15E 13km Mw=6.0**
Station: **SCER** Backazimuth: **211.1°** Distance: **109.90°**
init.Pol.: **28.3°** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

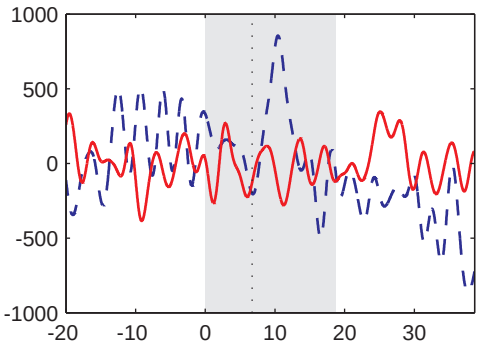
Rotation Correlation:	-13<	-2° < 8	1.1<1.3s<1.6
Minimum Energy:	-13<	1° < 13	0.8<1.3s<1.8
Eigenvalue:	-23<	-1° < 15	0.8<1.3s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





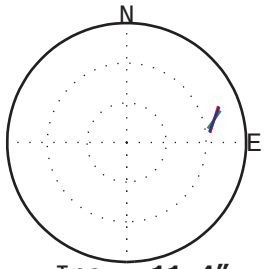




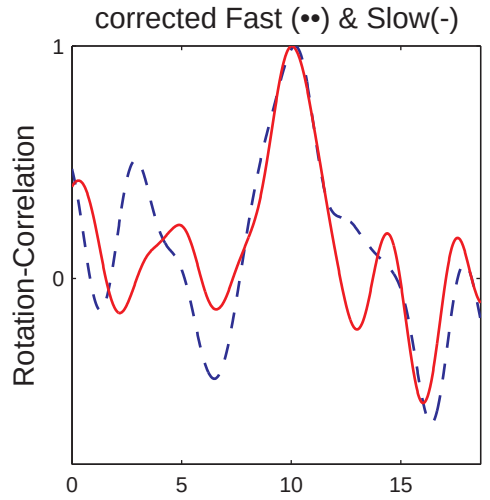
Event: **14-Feb-2012 (045) 08:19 -10.39N 161.10E 51km Mw=6.4**
Station: **SCER** Backazimuth: **75.3”** Distance: **122.51”**
init.Pol.: **259.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.5**

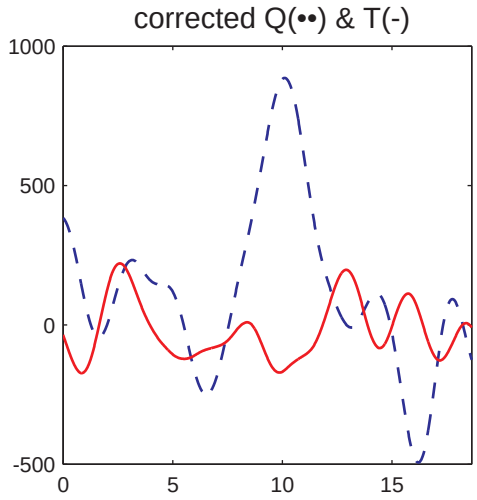
Rotation Correlation:	22<	35° <	51	0.3<0.7s<1.0
Minimum Energy:	-5<	17° <	52	0.4<0.9s<1.6
Eigenvalue:	-5<	21° <	66	0.3<0.8s<1.6

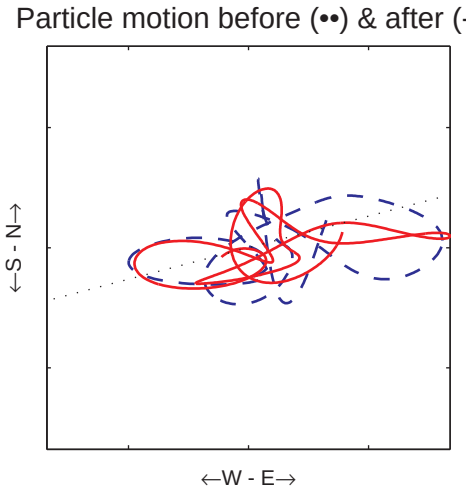
Quality: **fair** IsNull: **No** Phase: **SKKS**

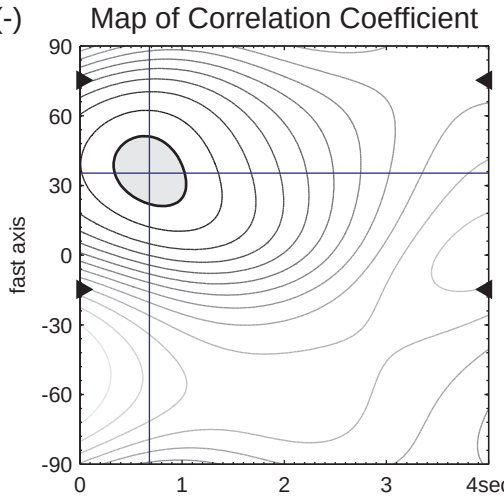


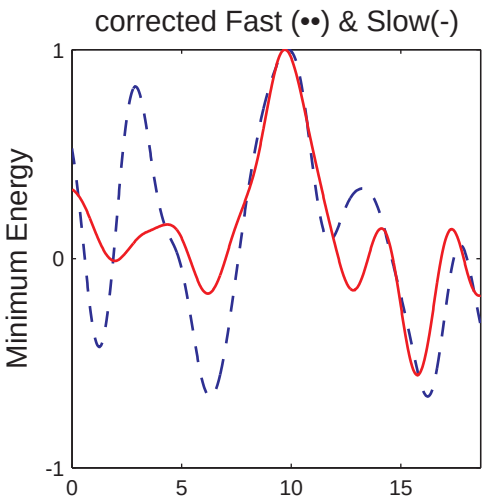
Inc = **11.4”**

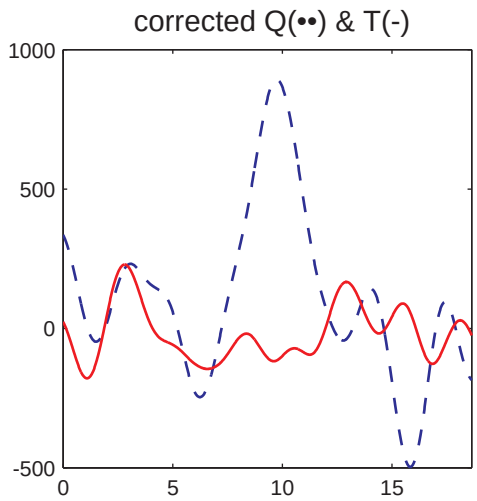


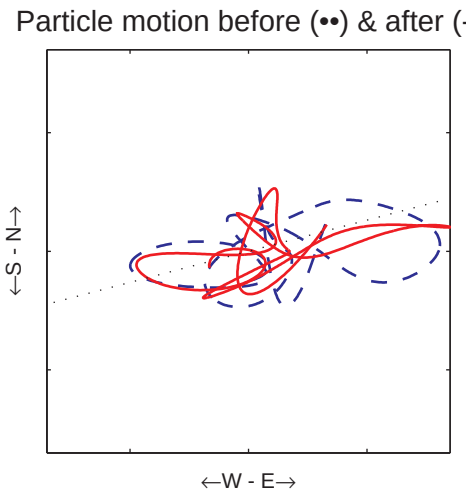


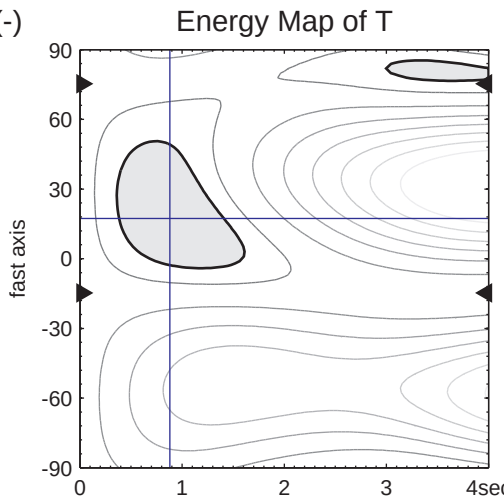


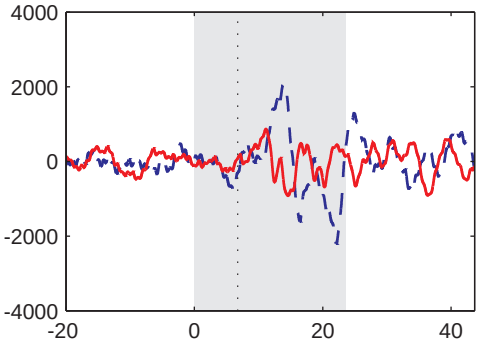








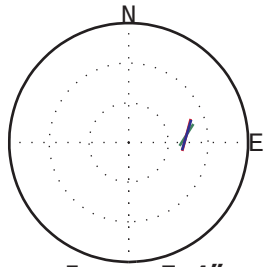


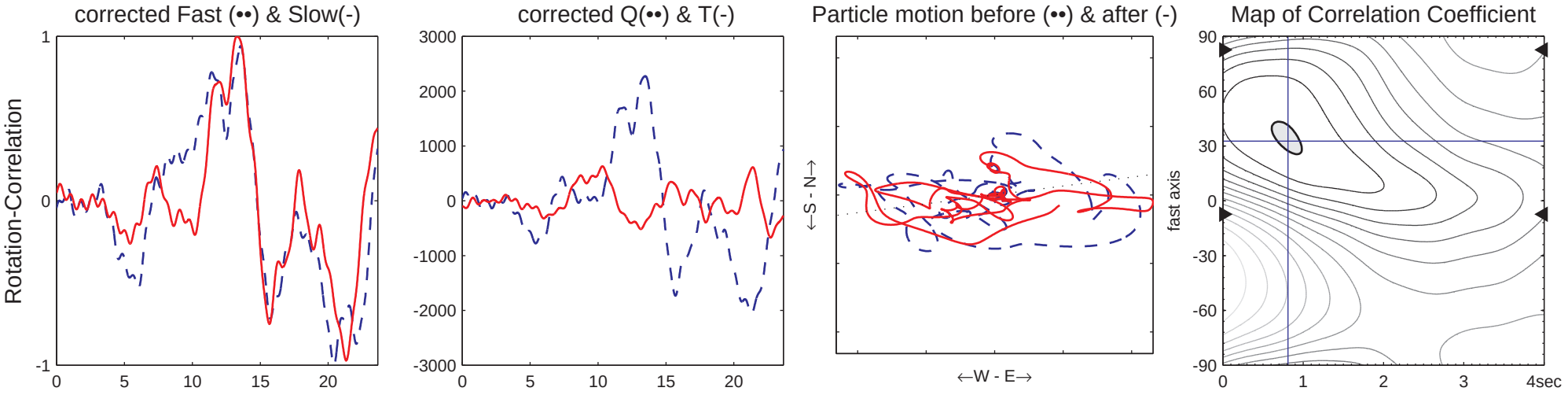


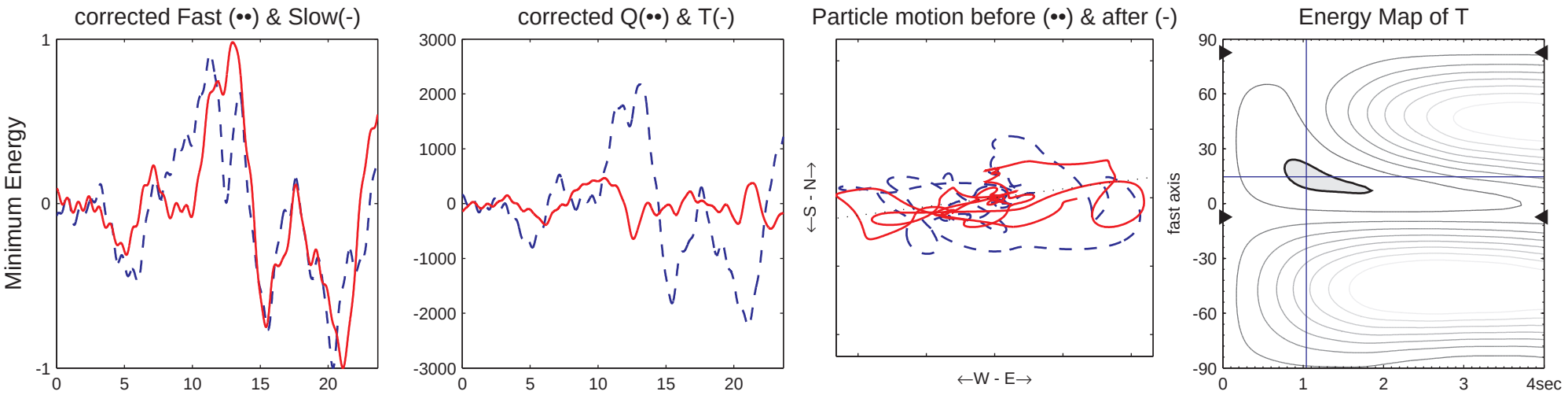
Event: **21-Mar-2012 (081) 22:15 -6.24N 145.96E 118km Mw=6.6**
Station: **SCER** Backazimuth: **82.6”** Distance: **108.42”**
init.Pol.: **264.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.7**

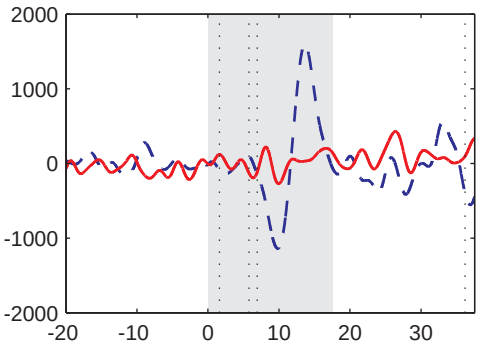
Rotation Correlation:	26<	33° <	44	0.6<0.8s<1.0
Minimum Energy:	5<	15° <	23	0.8<1.0s<1.9
Eigenvalue:	1<	17° <	29	0.7<1.0s<2.1

Quality: **fair** IsNull: **No** Phase: **SKS**





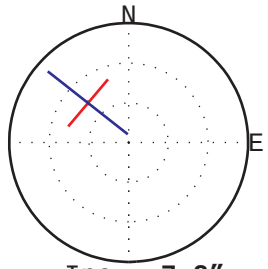


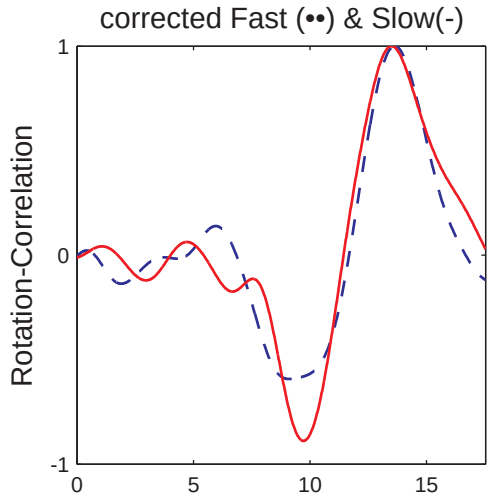


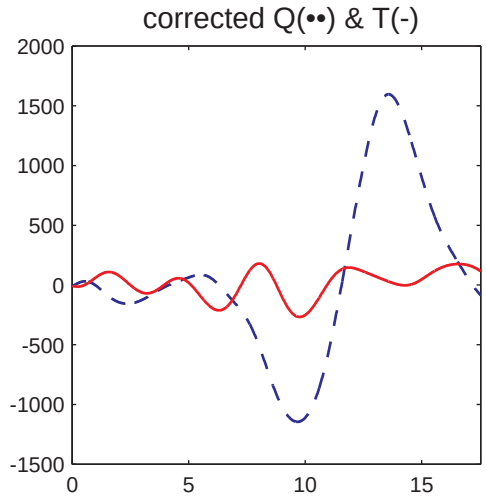
Event: **02-Apr-2012 (093) 17:36 16.40N -98.32E 9km Mw=6.0**
Station: **SCER** Backazimuth: **314.2”** Distance: **110.11”**
init.Pol.: **122.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.2**

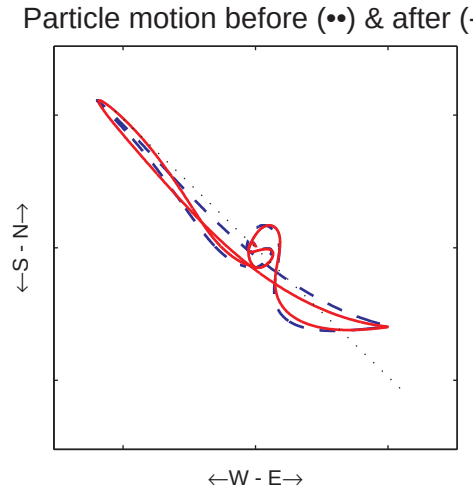
Rotation Correlation:	-17<	-5° <	6	0.0<0.2s<0.4
Minimum Energy:	-41<	40° <	46	0.0<1.9s<4.0
Eigenvalue:	-58<	-52° <	-48	1.8<3.2s<3.9

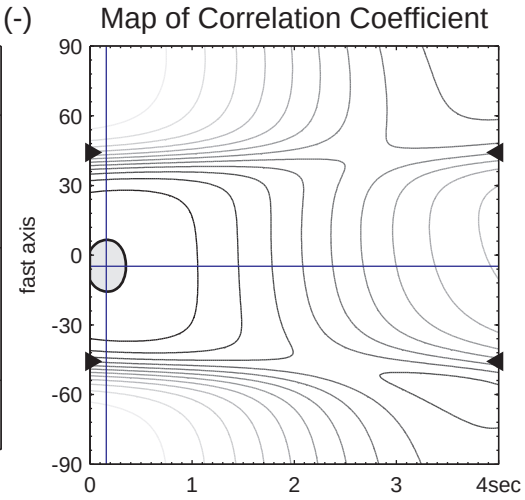
Quality: **good** IsNull: **Yes** Phase: **SKS**

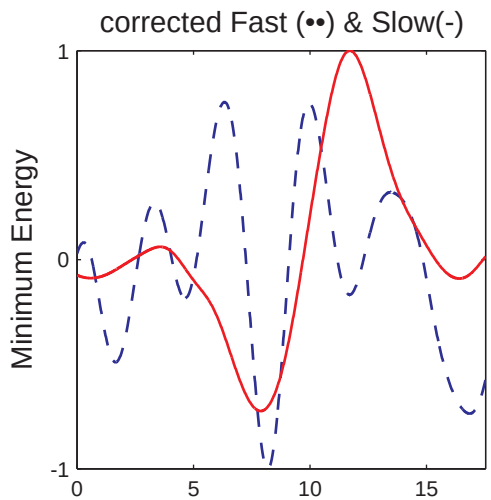


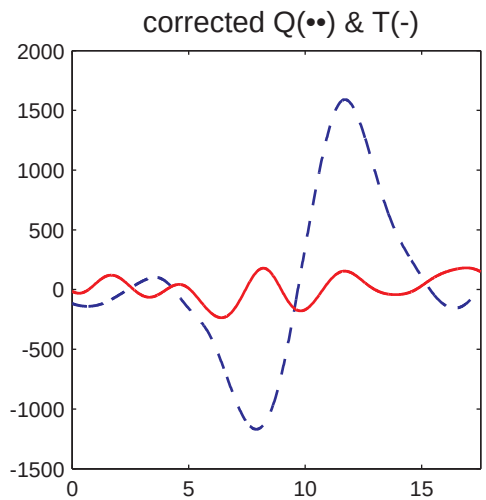


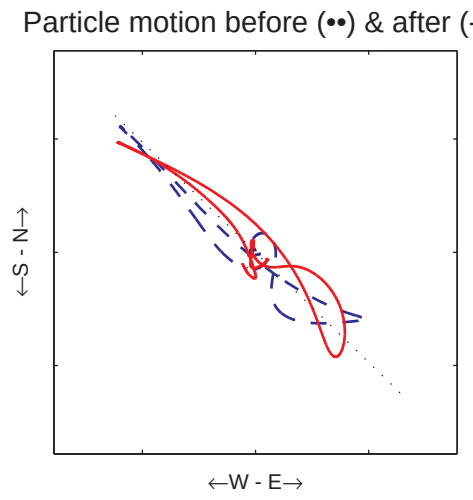


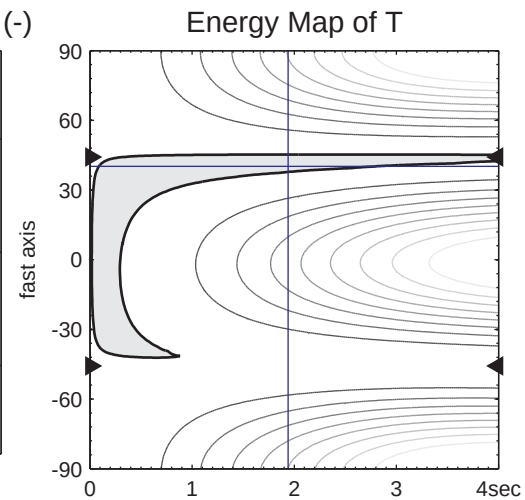


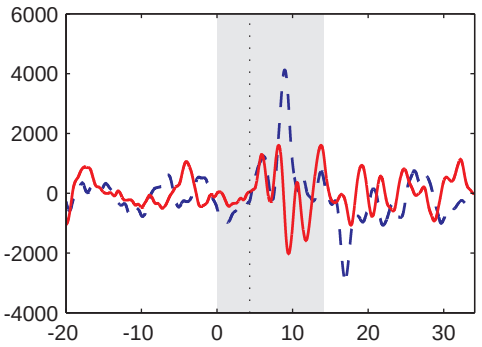








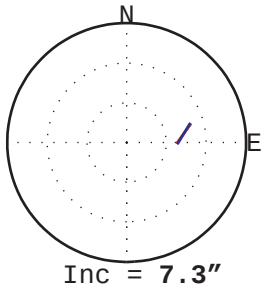


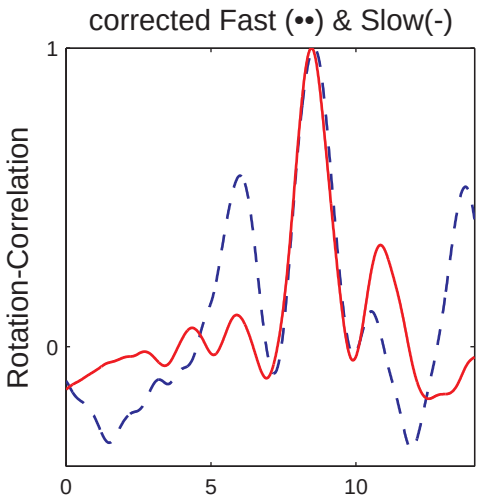


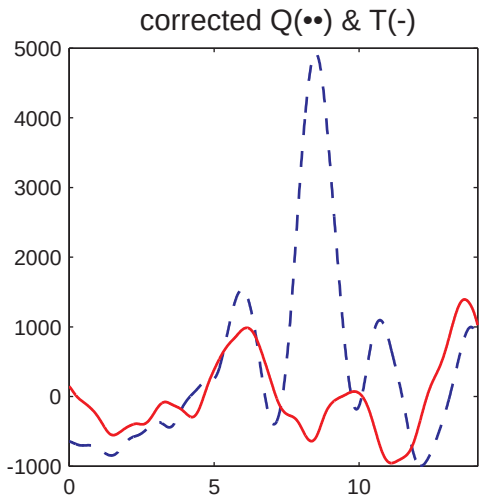
Event: **17-Apr-2012 (108) 07:13 -5.46N 147.12E 198km Mw=6.8**
Station: **SCER** Backazimuth: **81.2”** Distance: **108.80”**
init.Pol.: **258.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.3**

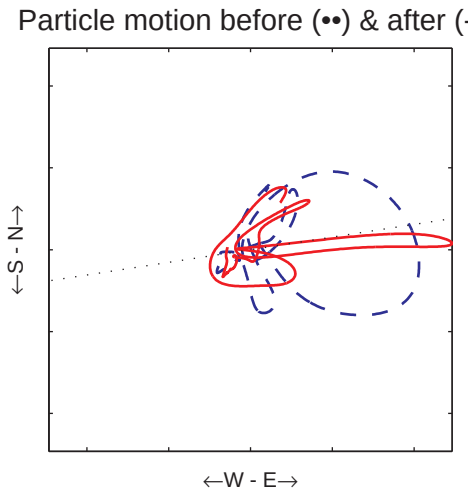
Rotation Correlation:	27<	36° <	47	0.6<0.8s<0.9
Minimum Energy:	19<	35° <	52	0.5<0.8s<1.0
Eigenvalue:	9<	31° <	56	0.5<0.8s<1.0

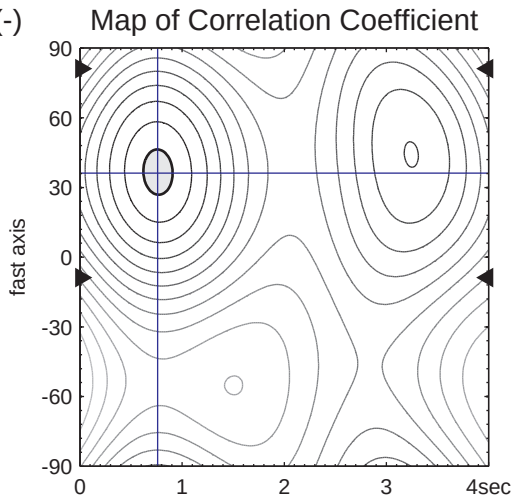
Quality: **good** IsNull: **No** Phase: **SKS**

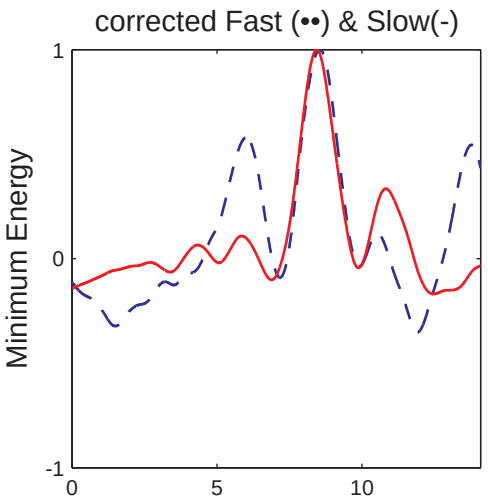


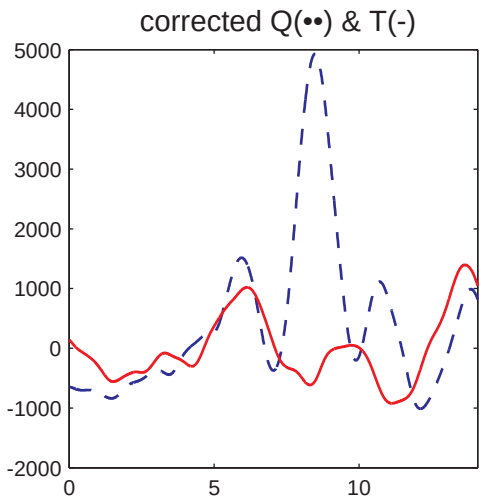


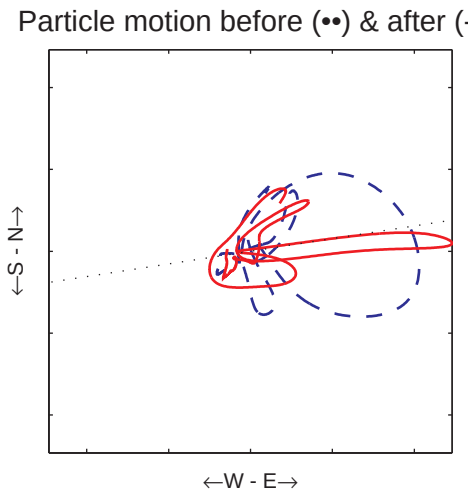


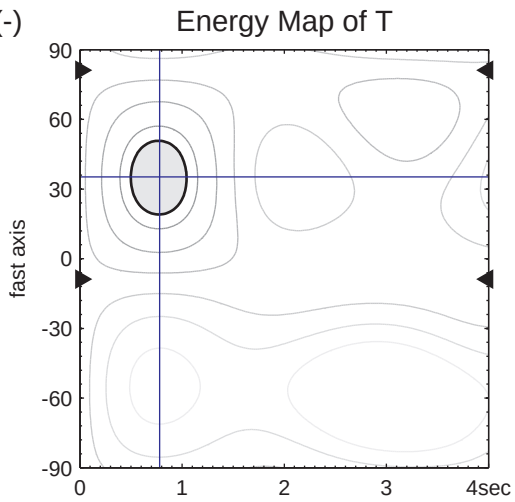


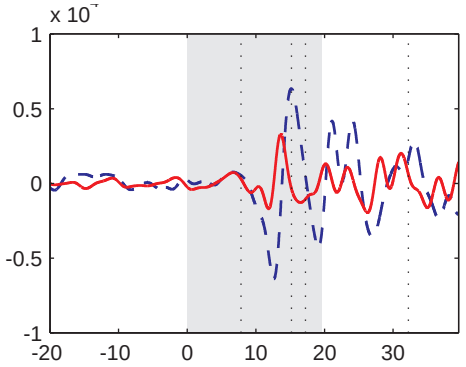








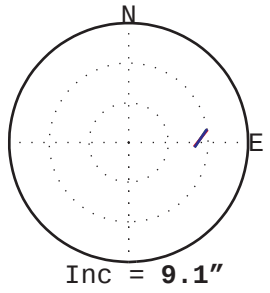


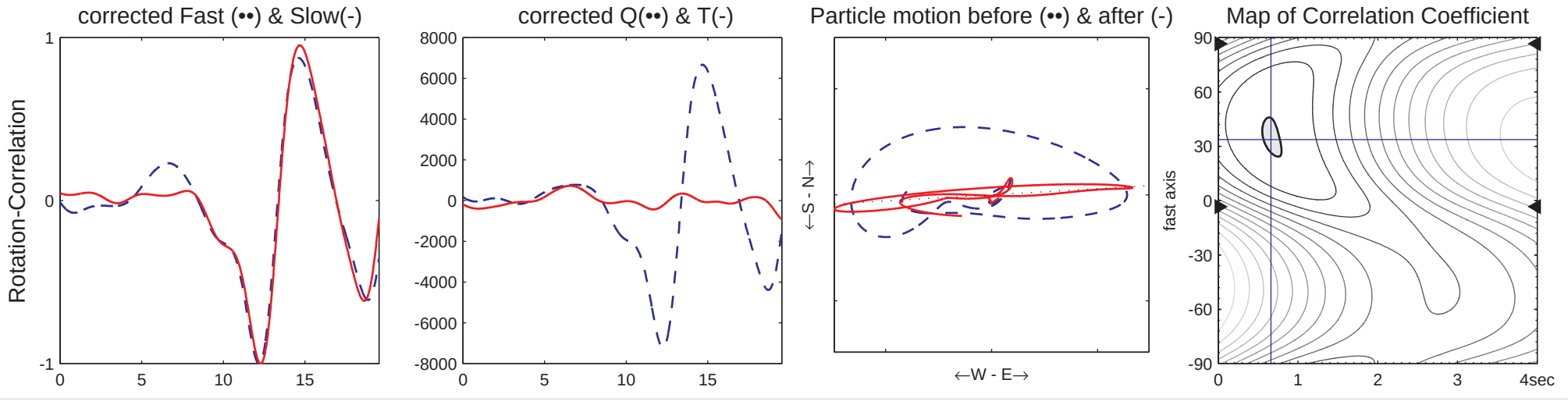


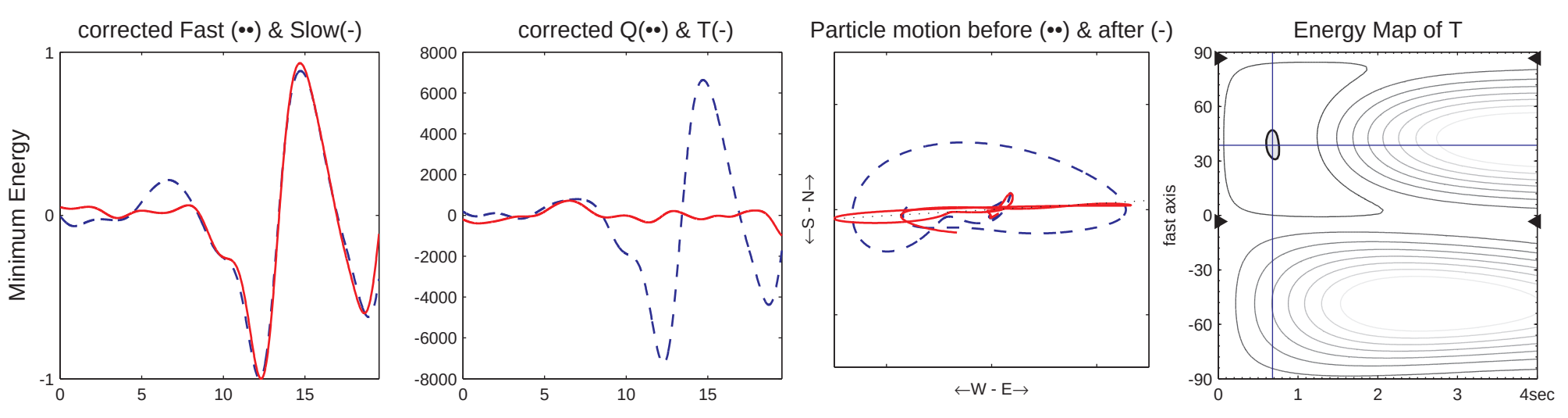
Event: **21-Apr-2012 (112) 01:16 -1.62N 134.28E 16km Mw=6.7**
Station: **SCER** Backazimuth: **86.7”** Distance: **96.52”**
init.Pol.: **265.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.4**

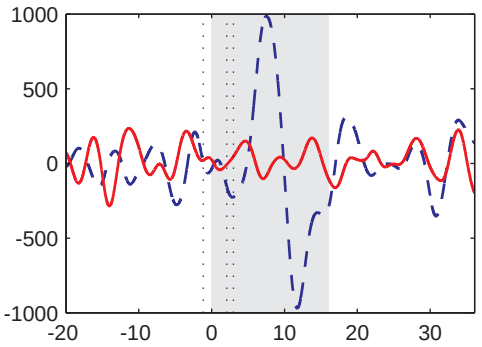
Rotation Correlation:	25<	34° <	46	0.6<0.7s<0.8
Minimum Energy:	31<	39° <	48	0.6<0.7s<0.8
Eigenvalue:	23<	35° <	48	0.6<0.7s<0.8

Quality: **good** IsNull: **No** Phase: **SKS**





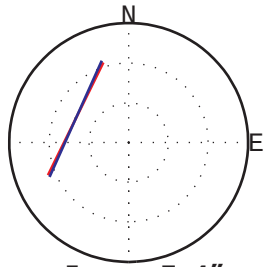


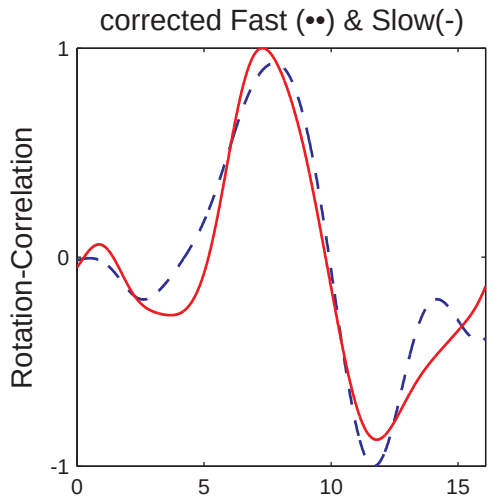


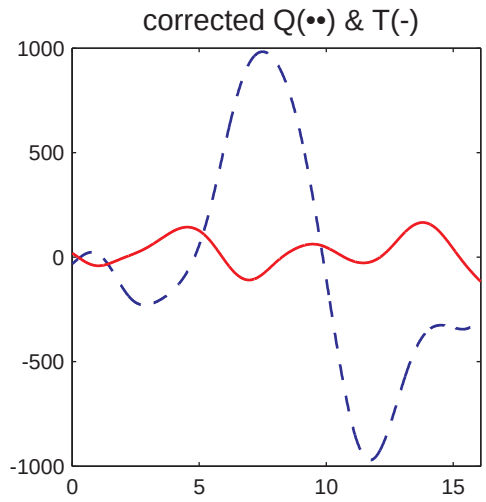
Event: **04-Jun-2012 (156) 00:45 5.30N -82.63E 7km Mw=6.3**
Station: **SCER** Backazimuth: **294.2”** Distance: **108.67”**
init.Pol.: **109.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

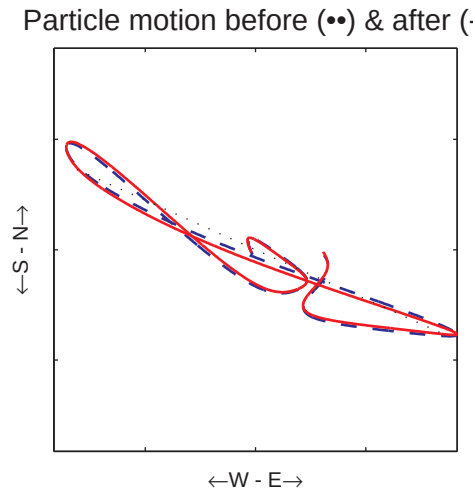
Rotation Correlation:	61<	72° <	85	0.0<0.1s<0.3
Minimum Energy:	25<	26° <	29	1.9<3.9s<4.0
Eigenvalue:	23<	24° <	29	2.7<4.0s<4.0

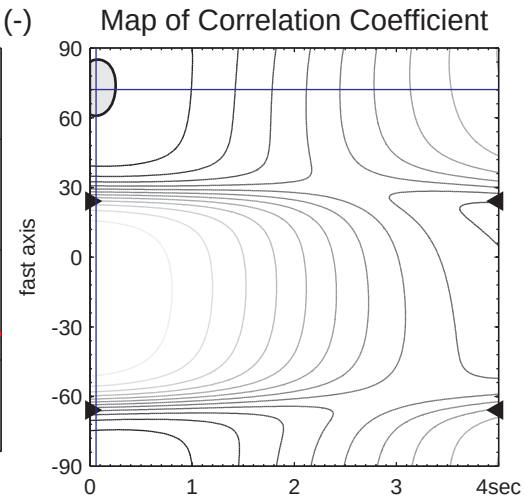
Quality: **good** IsNull: **Yes** Phase: **SKS**

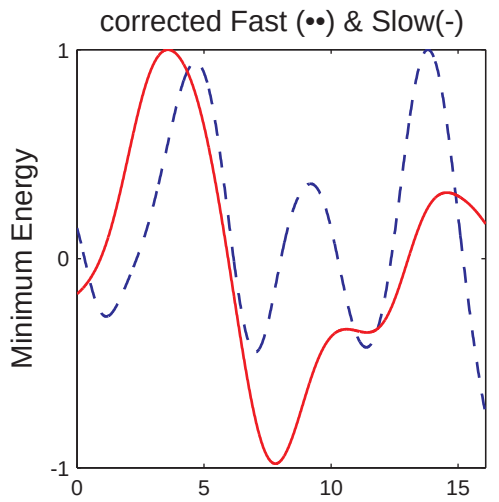


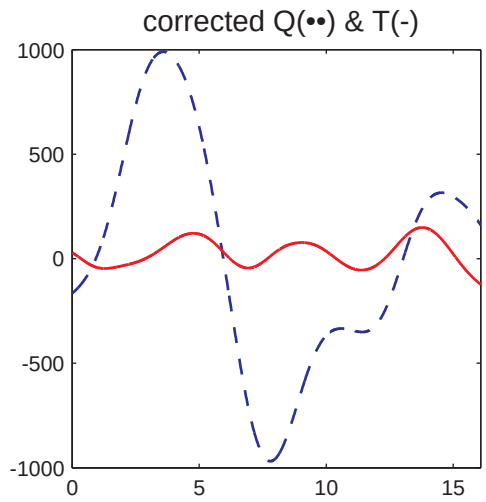


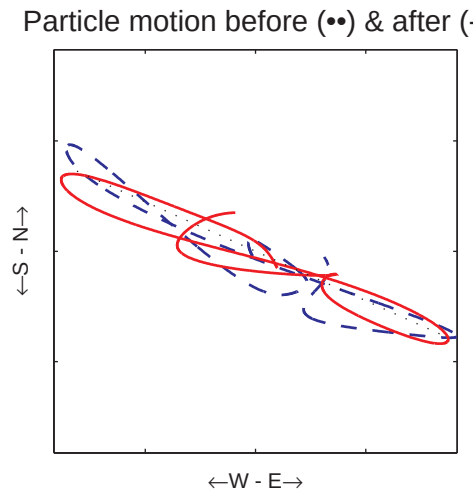


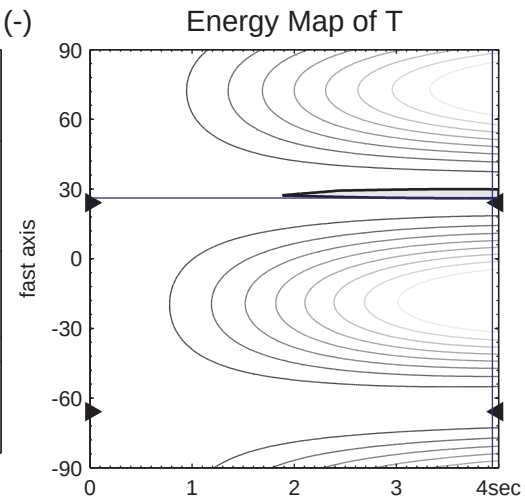


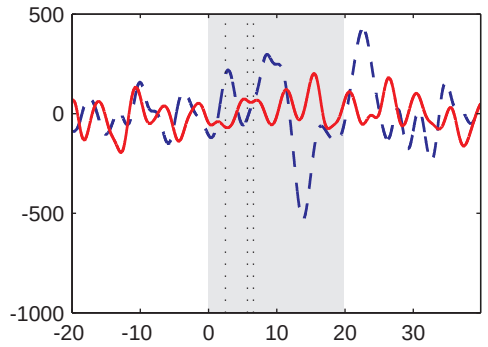








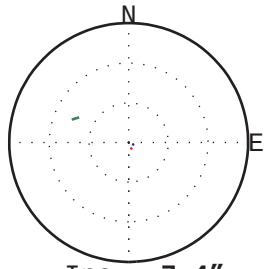




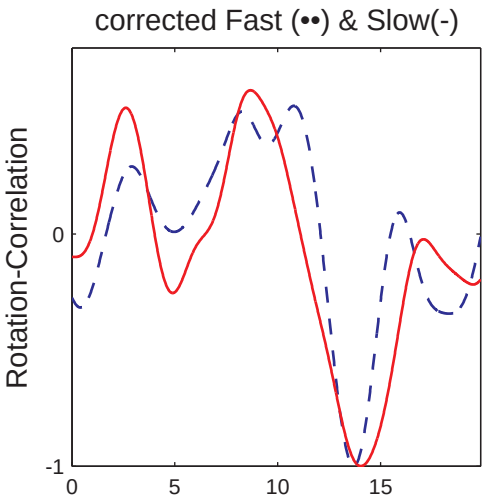
Event: **04-Jun-2012 (156) 03:15 5.51N -82.56E 7km Mw=6.3**
Station: **SCER** Backazimuth: **294.3”** Distance: **108.48”**
init.Pol.: **104.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

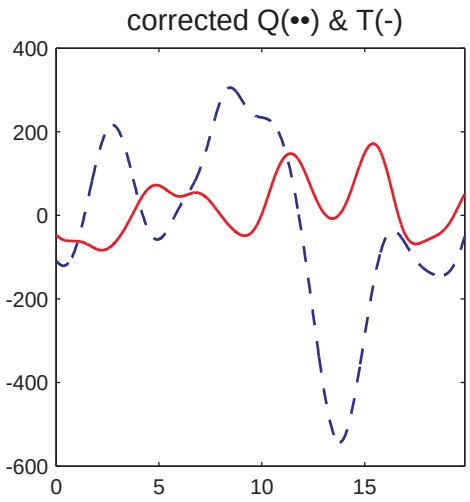
Rotation Correlation:	66<	73° <	82	0.0<0.2s<0.5
Minimum Energy:	27<	-62° <	21	0.1<4.0s<4.0
Eigenvalue:	-74<	-66° <	-62	3.5<4.0s<4.0

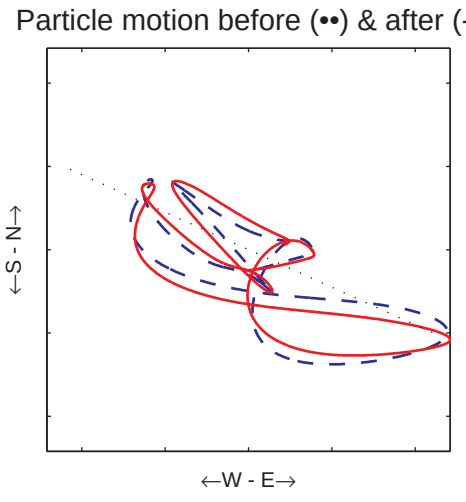
Quality: **good** IsNull: **Yes** Phase: **SKS**

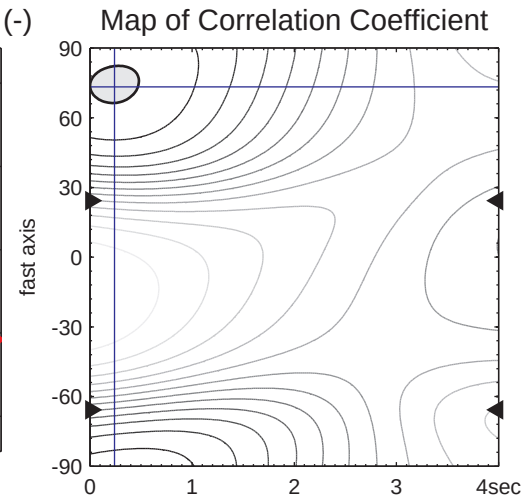


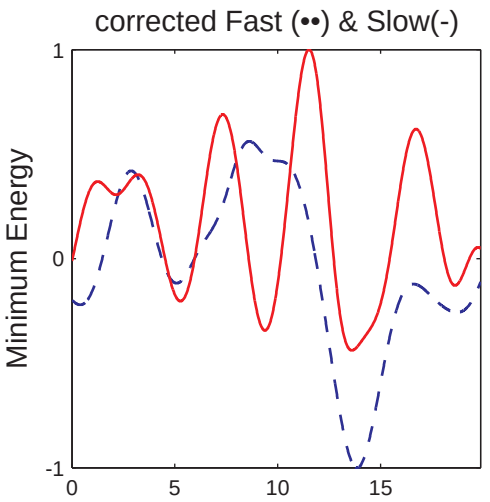
Inc = **7.4”**

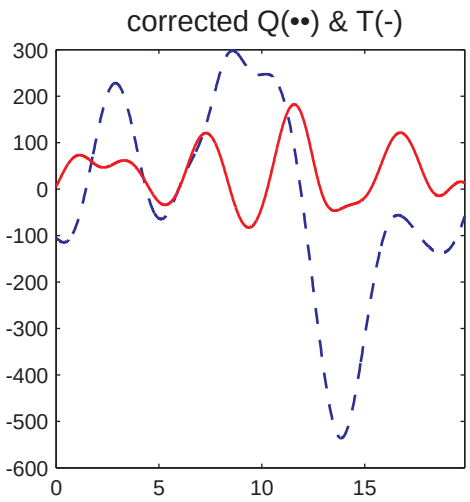


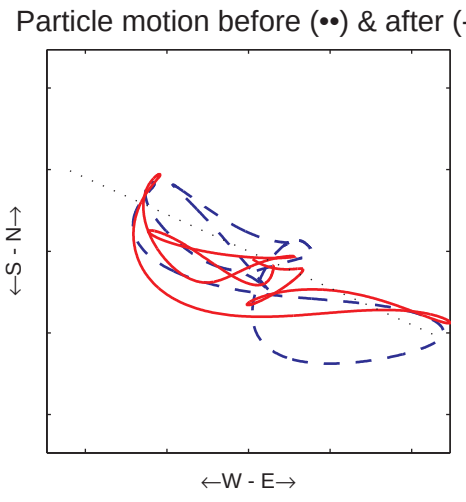


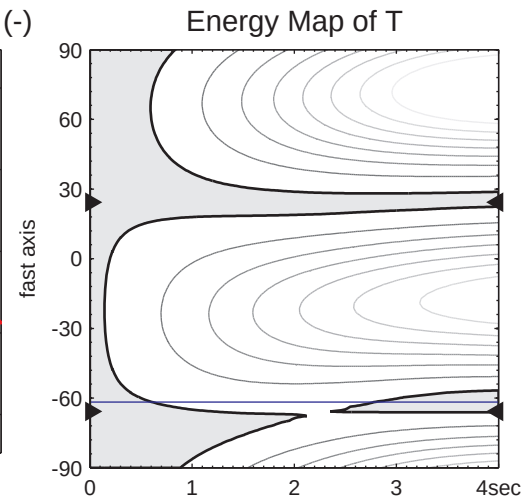


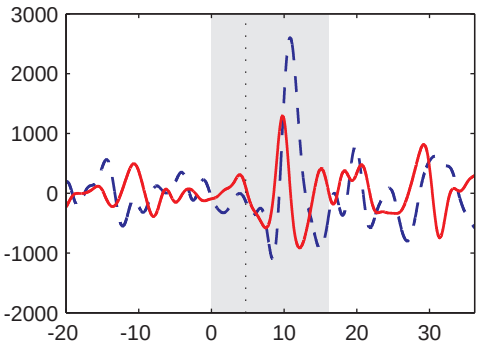








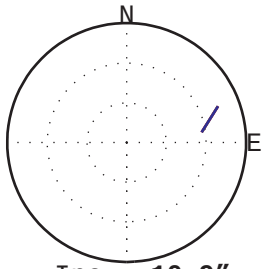




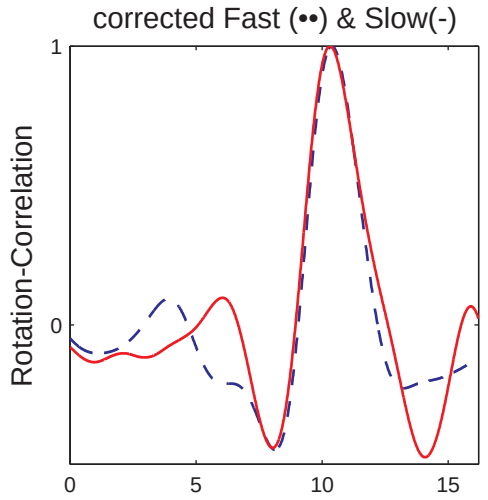
Event: **06-Jul-2012 (188) 02:28 -14.66N 167.34E 160km** Mw=**6.3**
Station: **SCER** Backazimuth: **74.4”** Distance: **129.91”**
init.Pol.: **254.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.5**

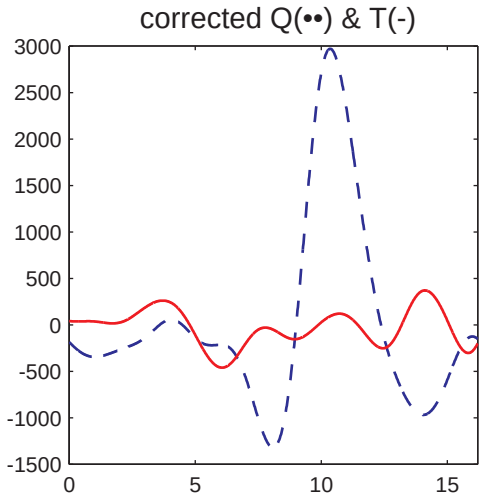
Rotation Correlation:	13<	31° <	49	0.7<1.0s<1.2
Minimum Energy:	19<	32° <	48	0.7<1.0s<1.2
Eigenvalue:	7<	32° <	56	0.7<1.0s<1.3

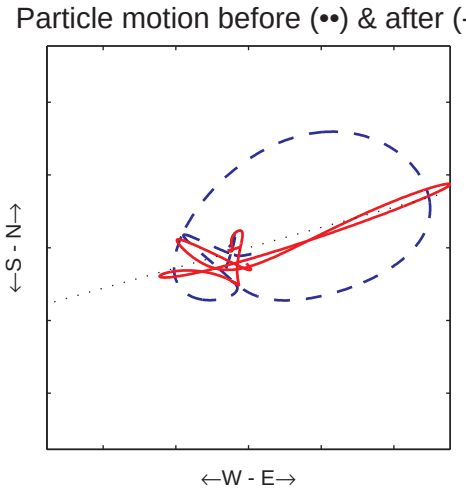
Quality: **good** IsNull: **No** Phase: **SKKS**

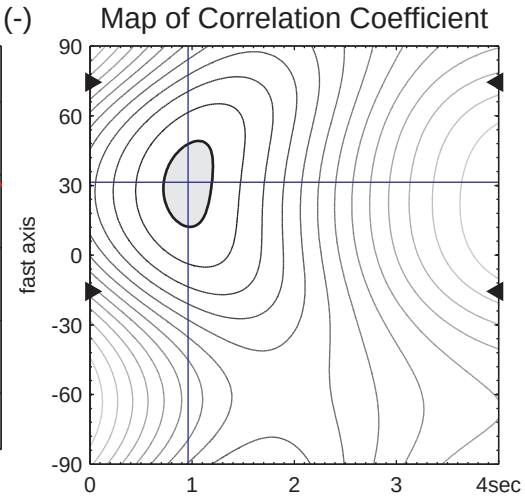


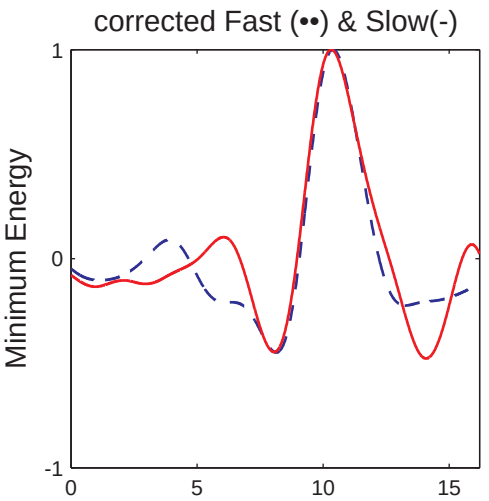
Inc = **10.9”**

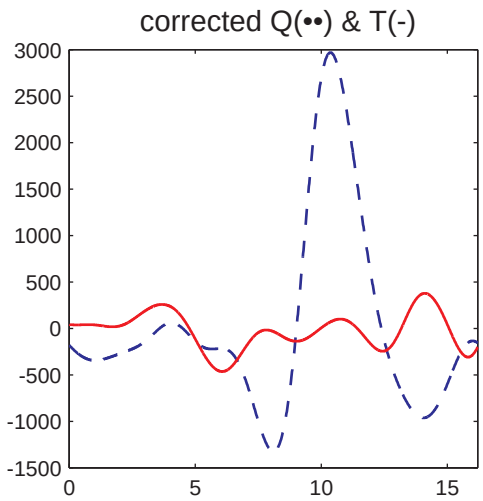


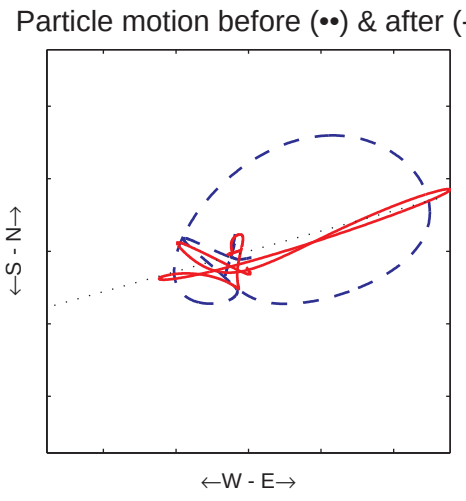


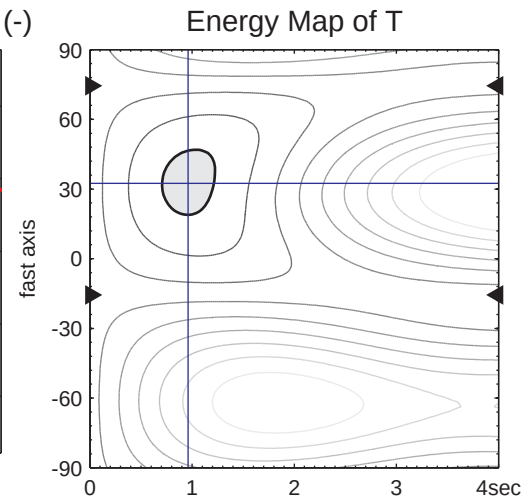


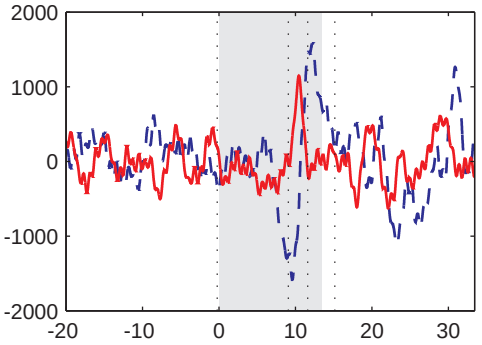








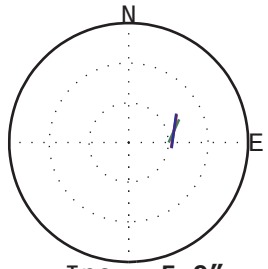




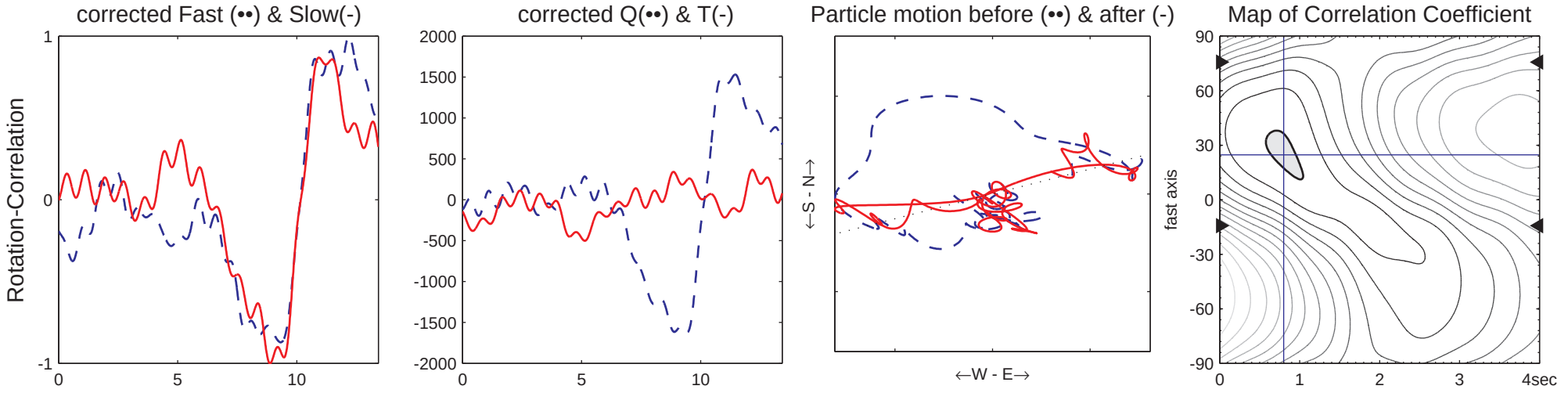
Event: **25-Jul-2012 (207) 11:20 -9.69N 159.73E 20km Mw=6.4**
Station: **SCER** Backazimuth: **75.7”** Distance: **121.03”**
init.Pol.: **252.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.9**

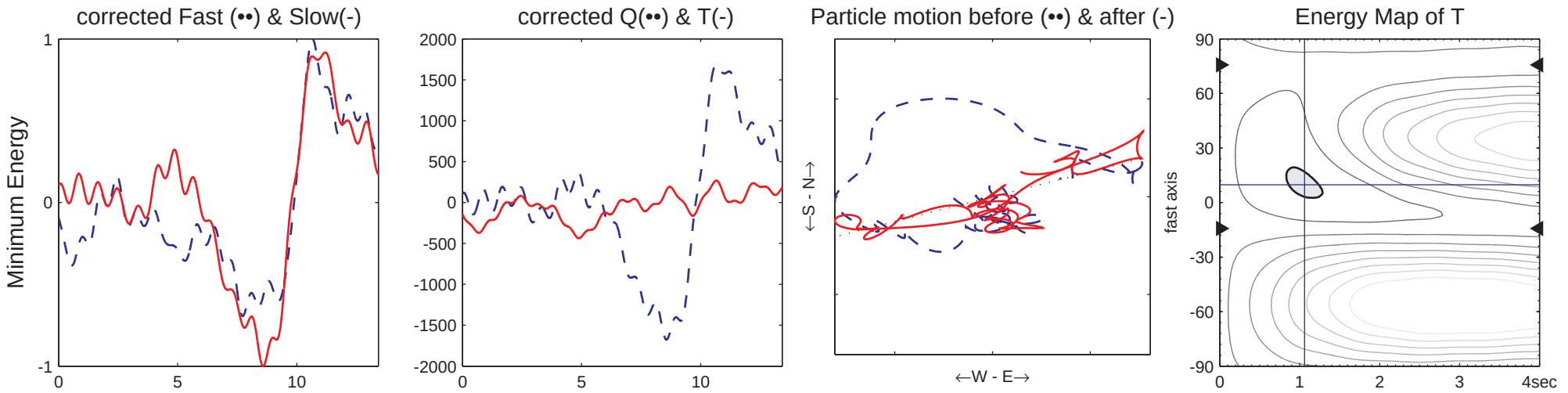
Rotation Correlation:	12<	25° <	38	0.6<0.8s<1.0
Minimum Energy:	3<	10° <	19	0.8<1.1s<1.3
Eigenvalue:	-3<	8° <	19	0.9<1.1s<1.4

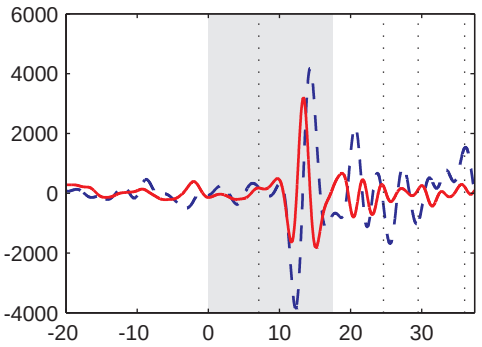
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **5.9”**



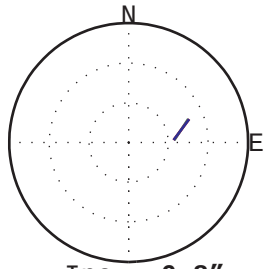




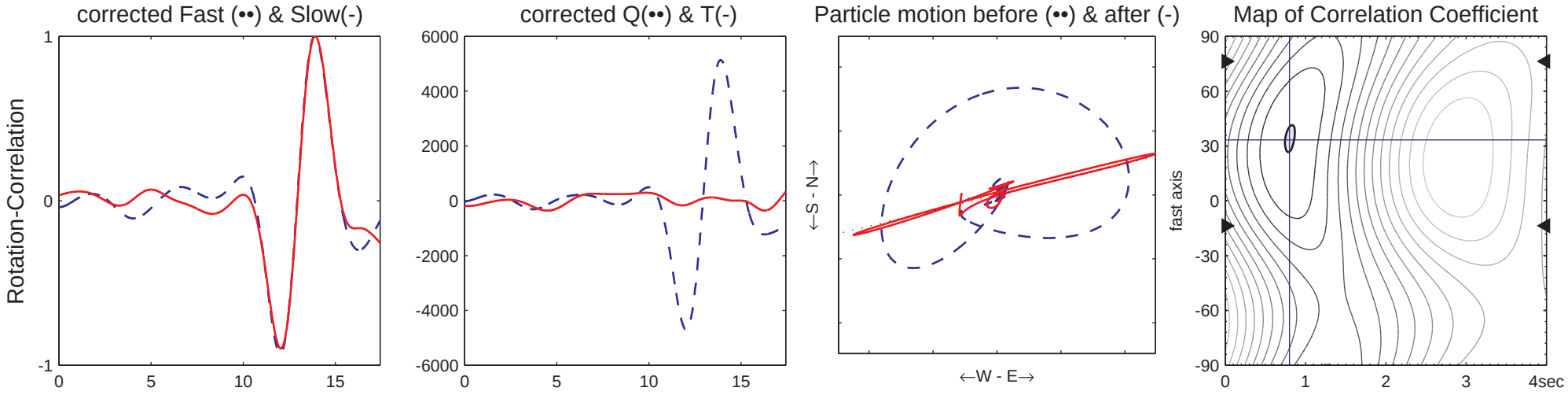
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **SCER** Backazimuth: **76.3”** Distance: **112.82”**
init.Pol.: **256.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.0**

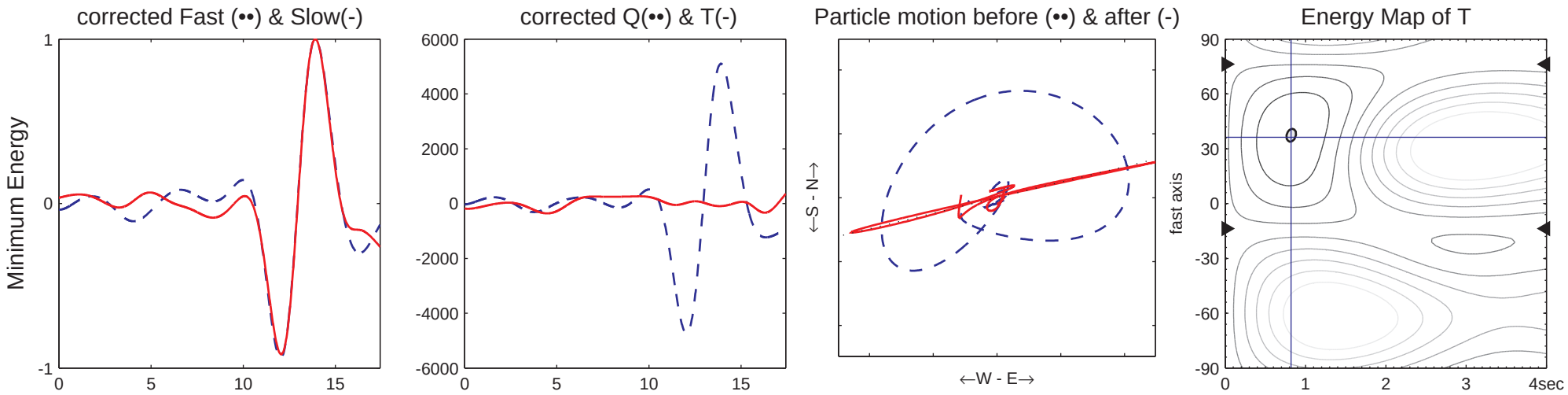
Rotation Correlation:	27<	33° <	42	0.7<0.8s<0.9
Minimum Energy:	33<	36° <	41	0.8<0.8s<0.9
Eigenvalue:	29<	36° <	46	0.8<0.8s<0.9

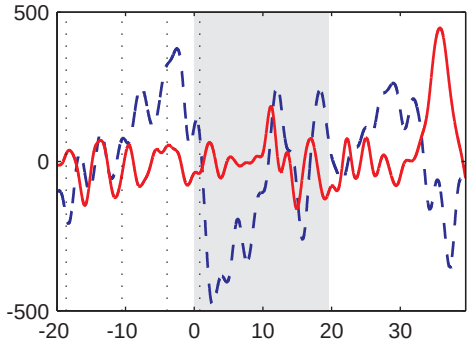
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.8”**



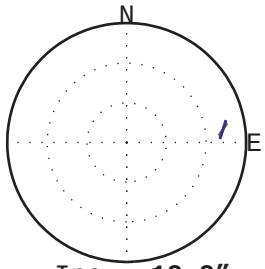




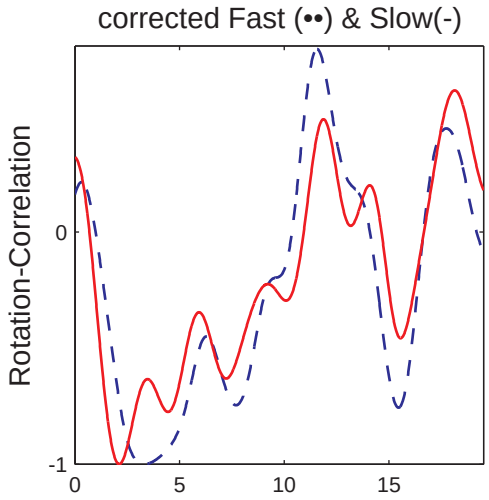
Event: **19-Aug-2012 (232) 22:41 -4.77N 144.57E 73km Mw=6.2**
Station: **SCER** Backazimuth: **82.4”** Distance: **106.41”**
init.Pol.: **260.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

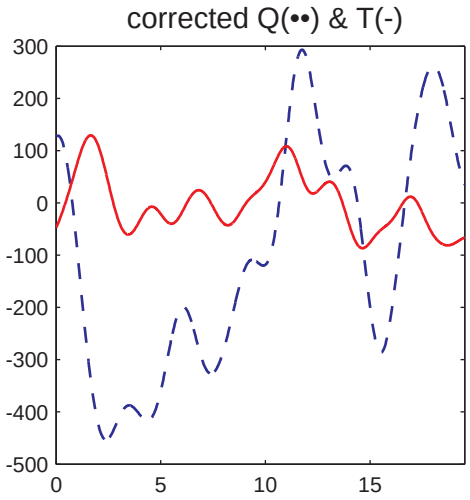
Rotation Correlation:	28<	34° <	42	0.3<0.5s<0.6
Minimum Energy:	5<	20° <	52	0.3<0.6s<1.0
Eigenvalue:	1<	16° <	52	0.3<0.6s<1.1

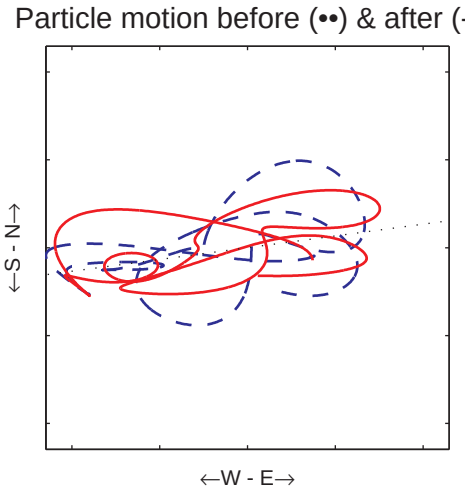
Quality: **fair** IsNull: **No** Phase: **SKKS**

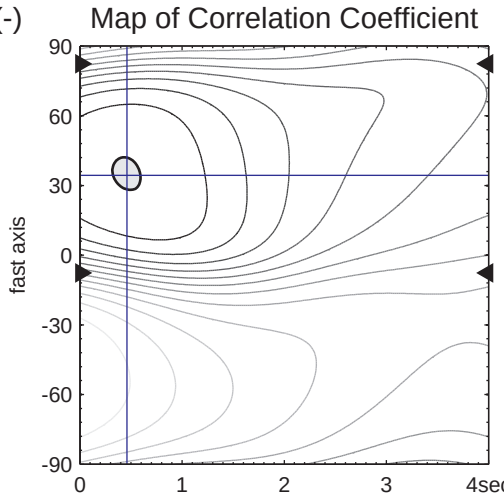


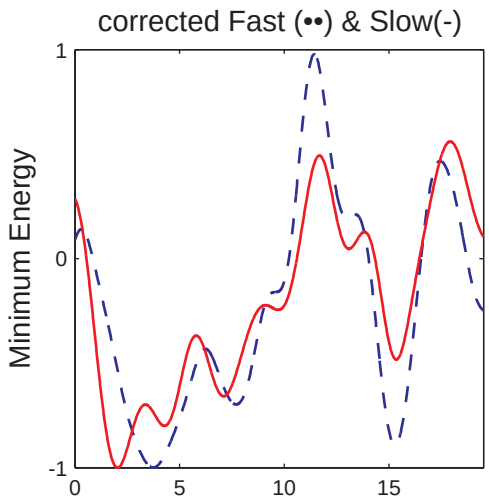
Inc = **12.2”**

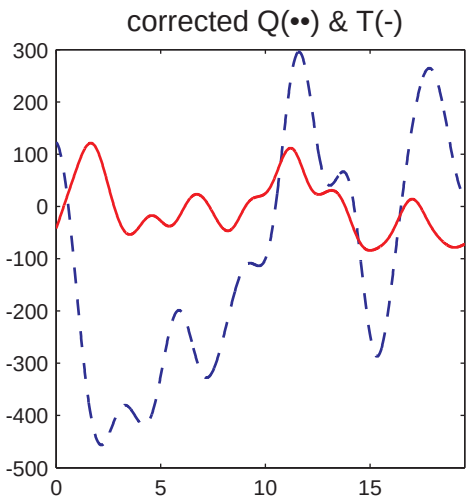


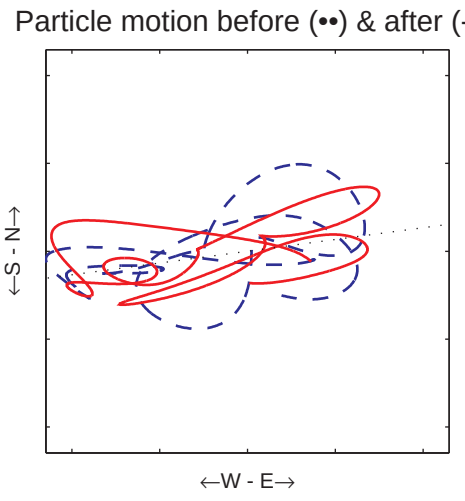


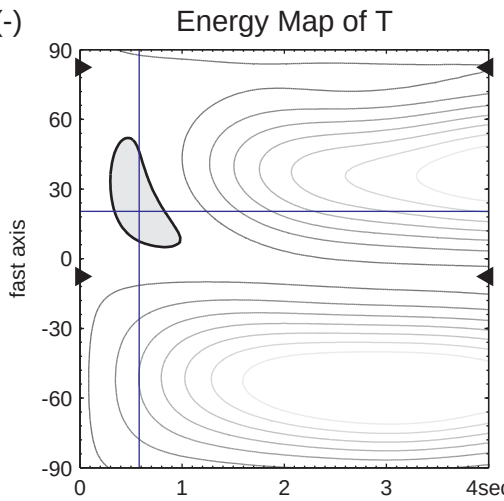


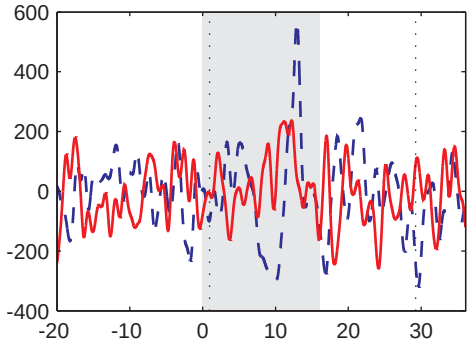








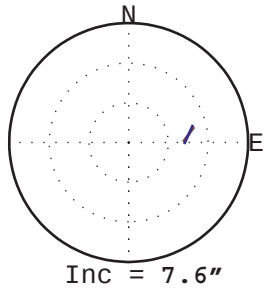


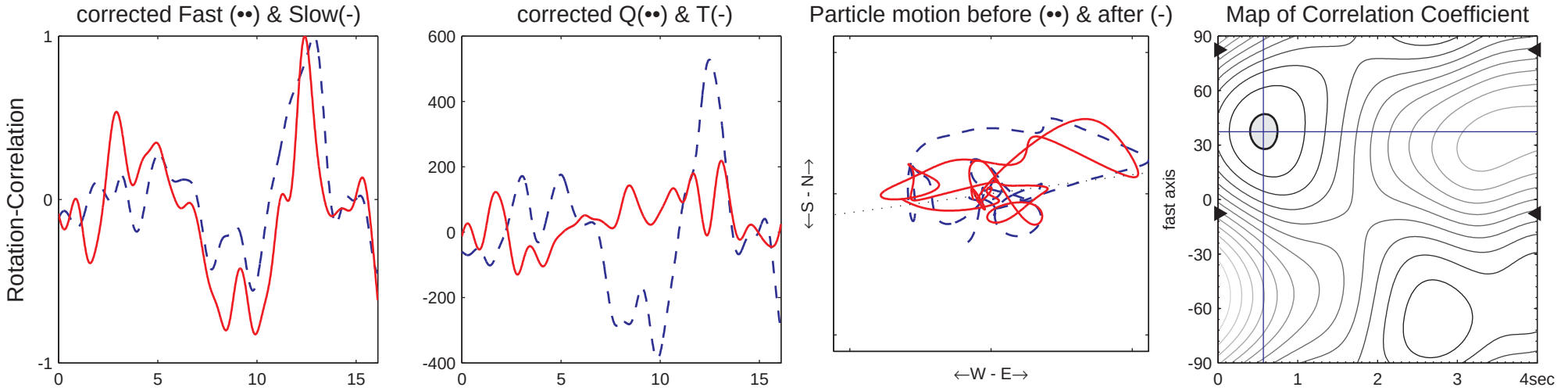


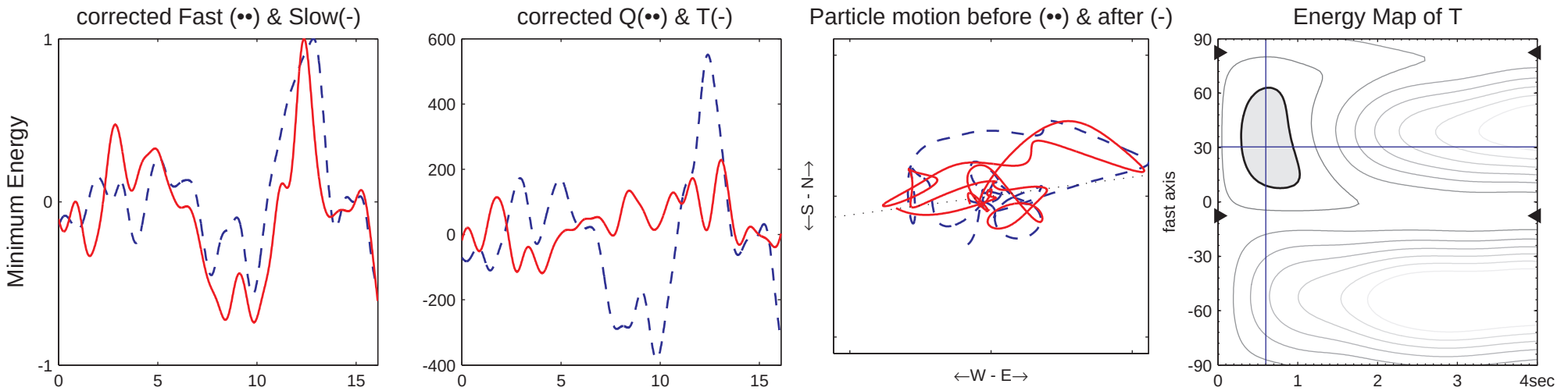
Event: **19-Aug-2012 (232) 22:41 -4.77N 144.57E 73km Mw=6.2**
Station: **SCER** Backazimuth: **82.4”** Distance: **106.41”**
init.Pol.: **259.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.7**

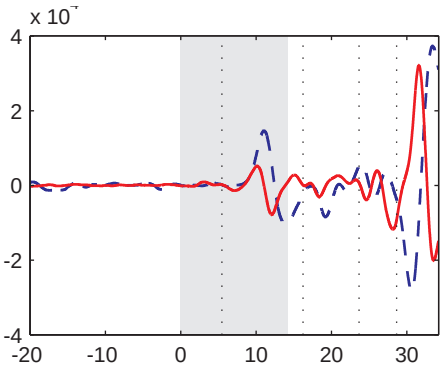
Rotation Correlation:	28<	37° <	47	0.4<0.6s<0.7
Minimum Energy:	7<	30° <	64	0.3<0.6s<1.0
Eigenvalue:	-1<	24° <	66	0.3<0.7s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





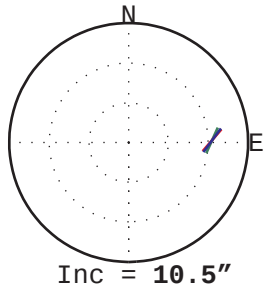


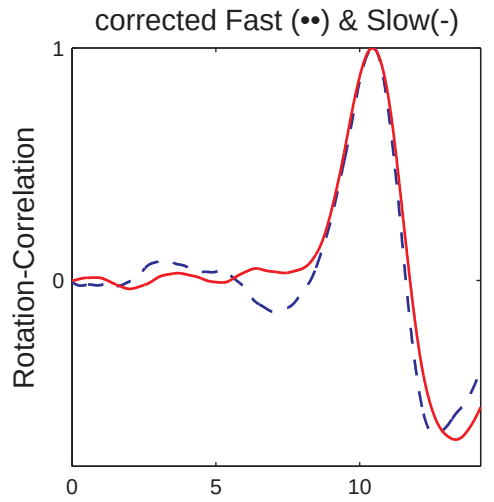


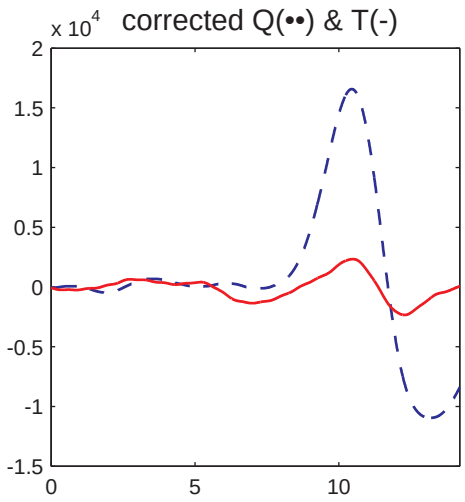
Event: **26-Aug-2012 (239) 15:05 2.19N 126.84E 91km Mw=6.6**
Station: **SCER** Backazimuth: **88.5”** Distance: **88.37”**
init.Pol.: **266.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**17.4**

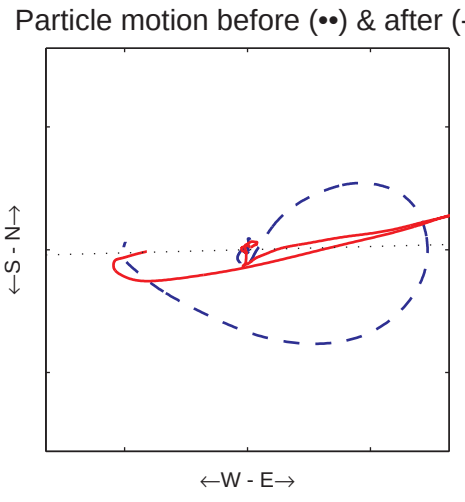
Rotation Correlation:	13<	25° <	46	0.7<0.9s<1.1
Minimum Energy:	35<	41° <	46	0.8<0.9s<1.0
Eigenvalue:	27<	37° <	48	0.8<0.9s<1.0

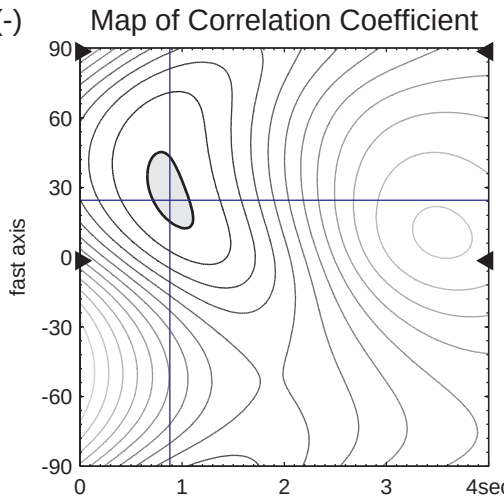
Quality: **fair** IsNull: **No** Phase: **SKS**

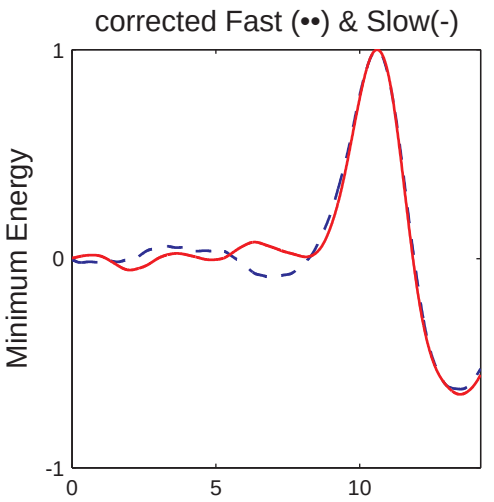


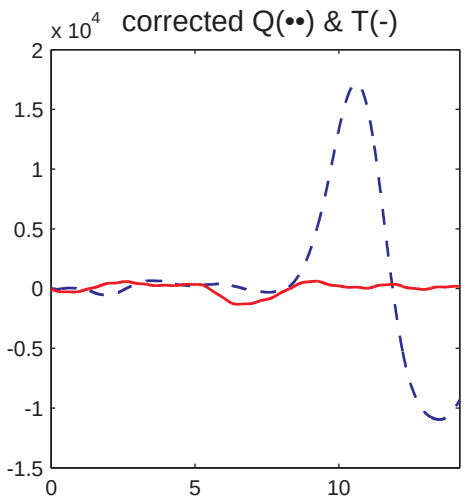


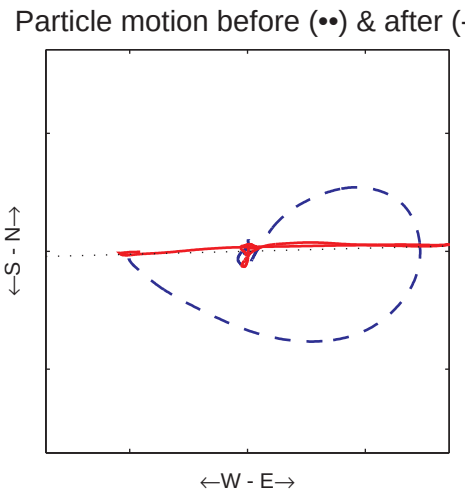


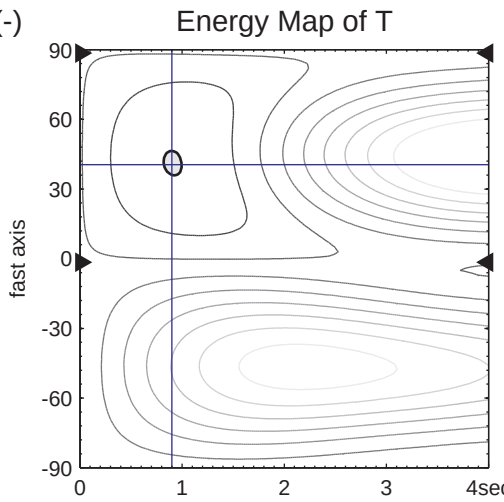


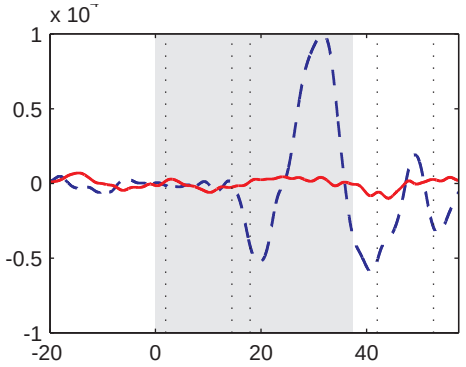








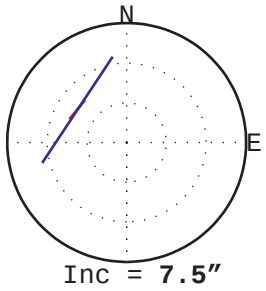


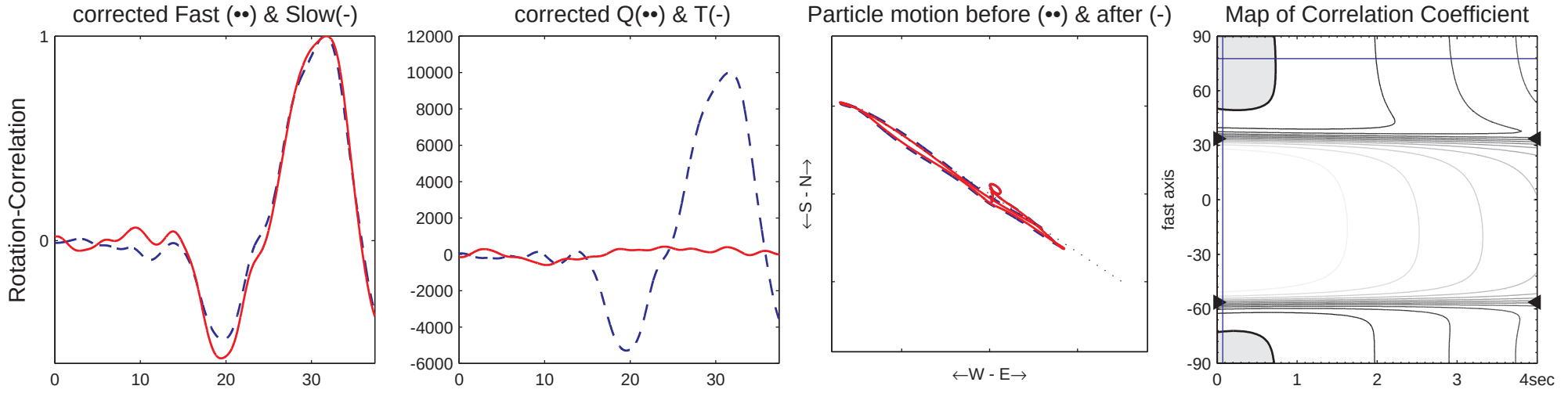


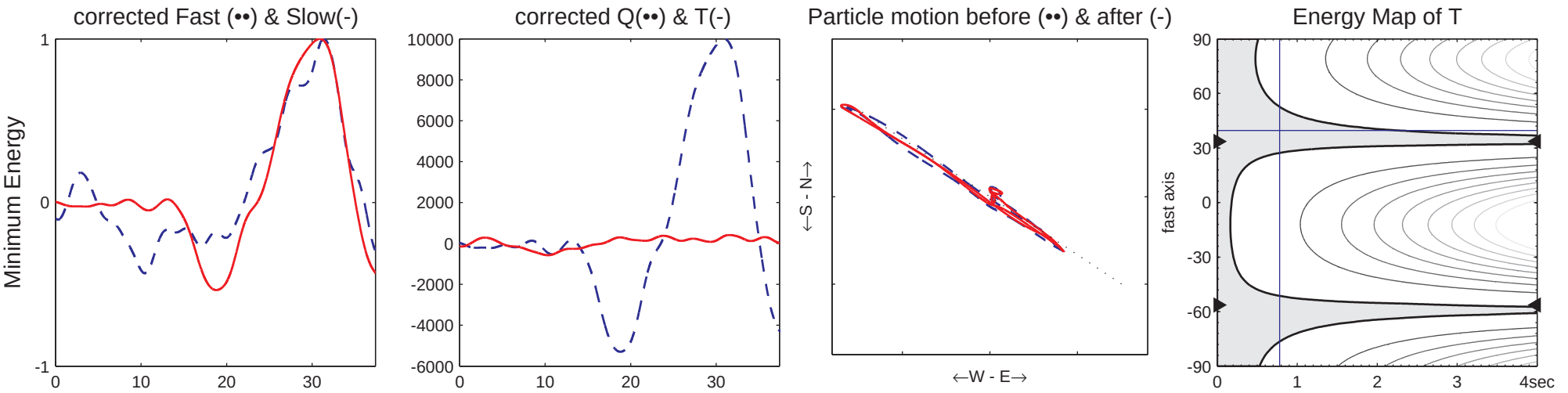
Event: **27-Aug-2012 (240) 04:37 12.14N -88.59E 28km Mw=7.3**
Station: **SCER** Backazimuth: **303.6”** Distance: **107.66”**
init.Pol.: **121.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**19.7**

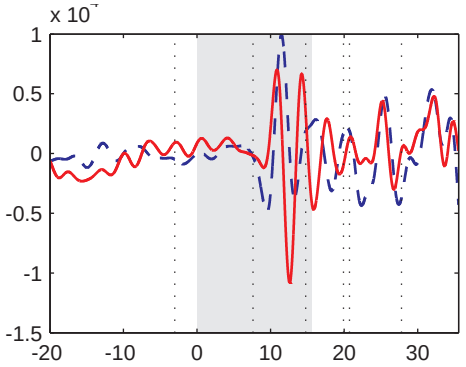
Rotation Correlation:	50<	78° < -73	0.0<0.1s<0.7
Minimum Energy:	-Inf<	40° < Inf	0.0<0.8s<Inf
Eigenvalue:	-Inf<	34° < Inf	0.0<4.0s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





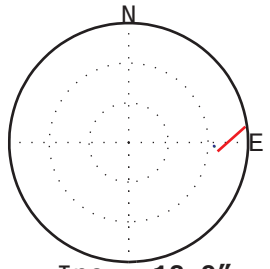




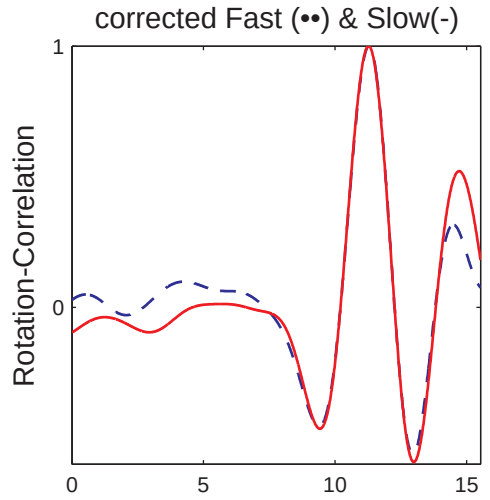
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **SERE** Backazimuth: **88.1”** Distance: **88.34”**
init.Pol.: **294.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.4**

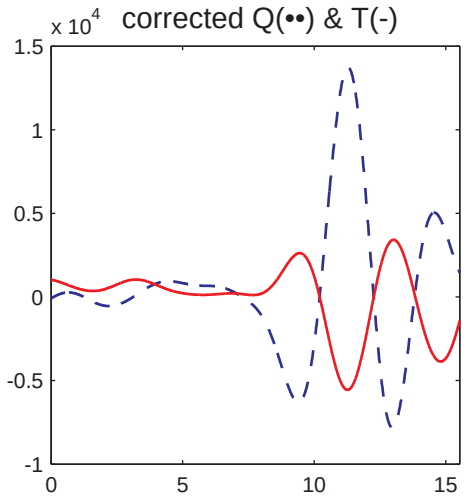
Rotation Correlation:	61<	66° <	72	1.1<1.2s<1.2
Minimum Energy:	48<	48° <	54	1.1<1.2s<1.3
Eigenvalue:	64<	68° <	76	1.1<1.2s<1.2

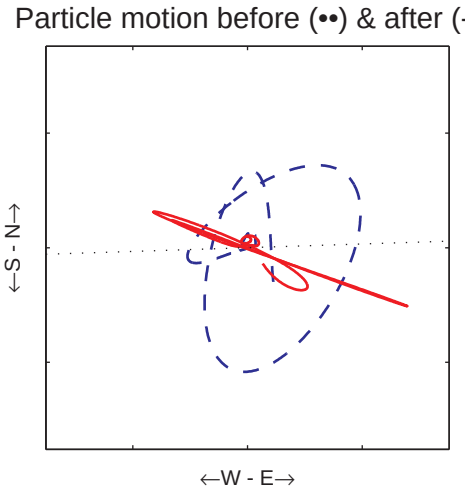
Quality: **fair** IsNull: **No** Phase: **SKKS**

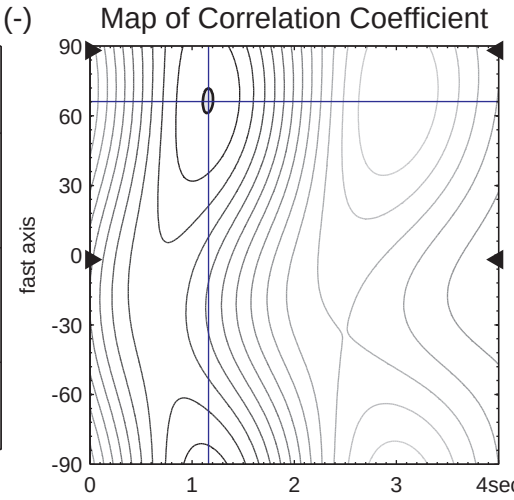


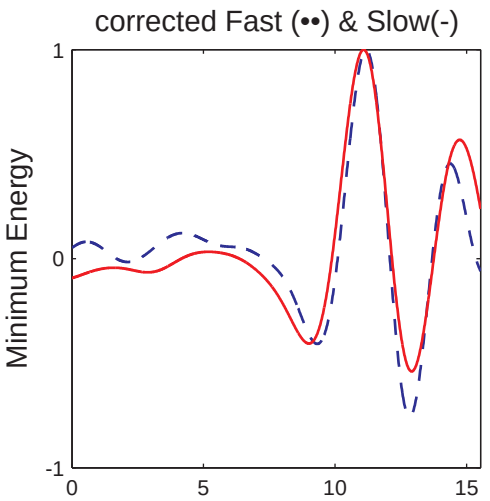
Inc = **12.9”**

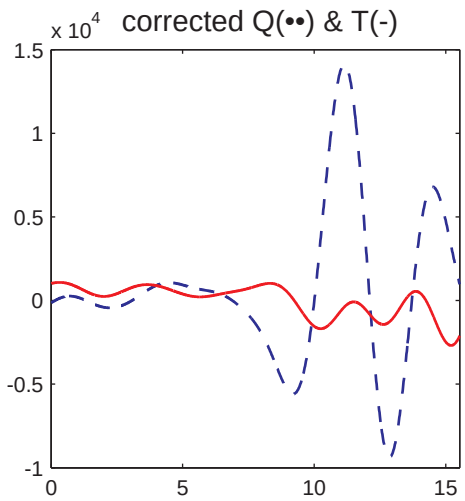


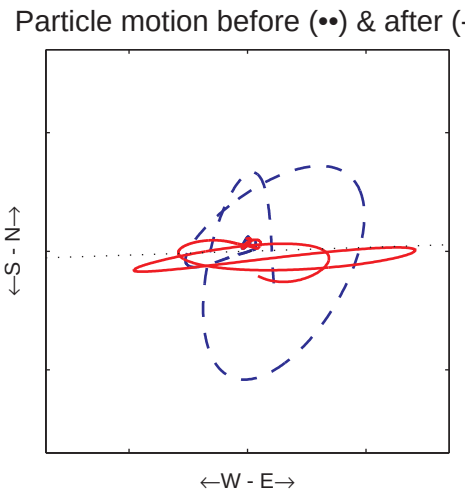


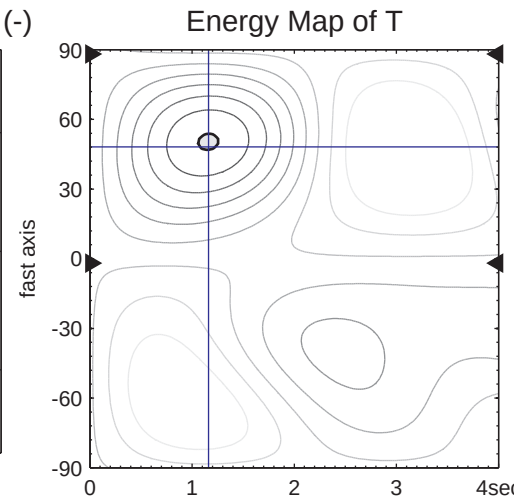


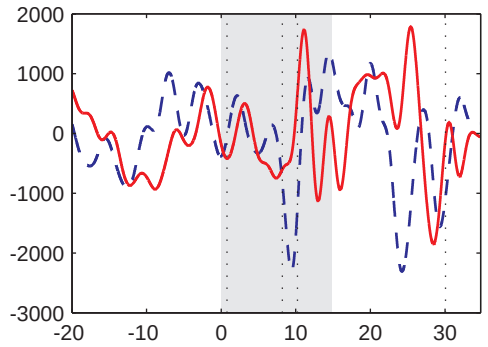








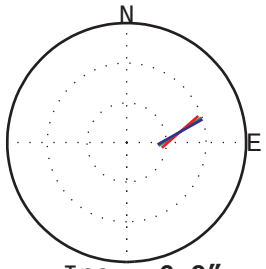




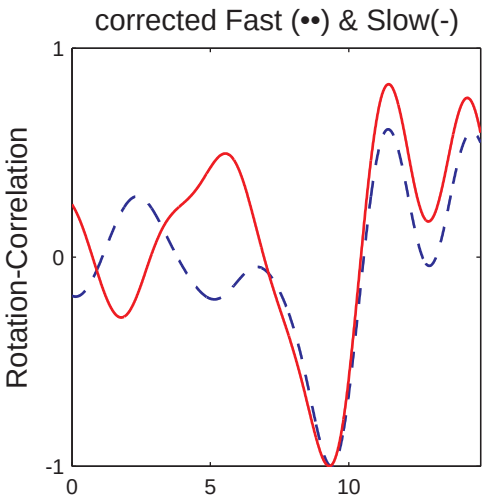
Event: **16-Jun-2011 (167) 00:03 -5.93N 151.04E 16km Mw=6.4**
Station: **SERE** Backazimuth: **78.8”** Distance: **112.67”**
init.Pol.: **276.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

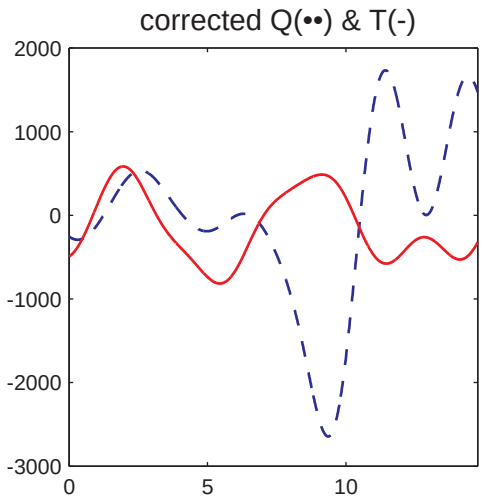
Rotation Correlation:	45<	57° <	71	1.3<1.6s<1.9
Minimum Energy:	37<	49° <	62	1.0<1.5s<2.0
Eigenvalue:	46<	61° <	78	1.3<1.6s<1.9

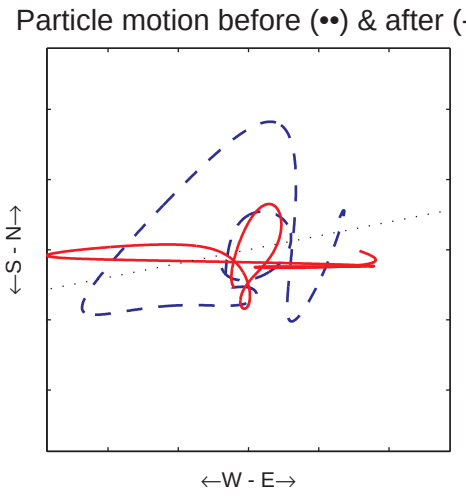
Quality: **fair** IsNull: **No** Phase: **SKS**

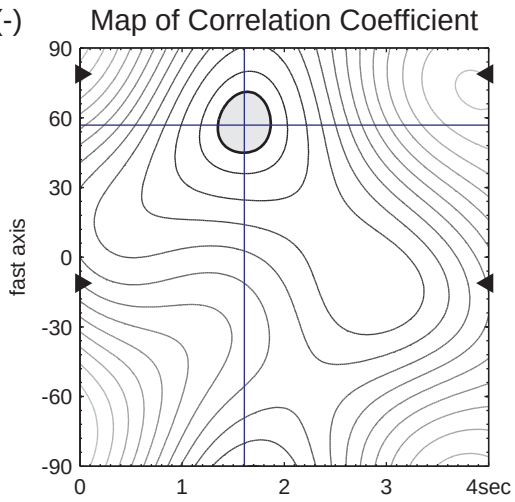


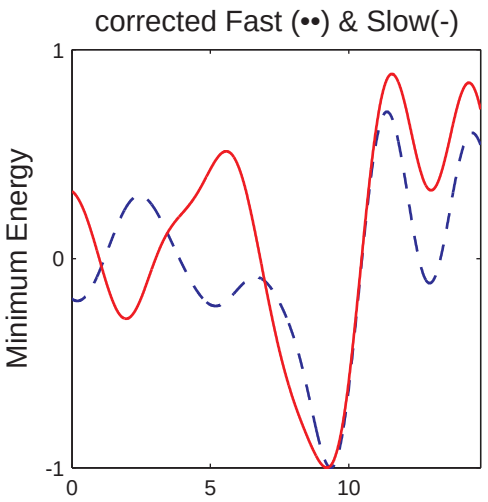
Inc = **6.9”**

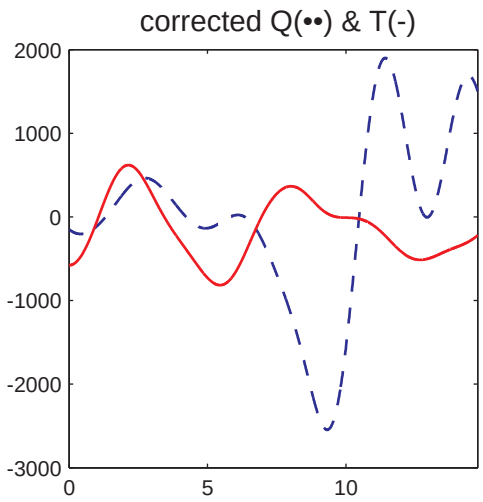


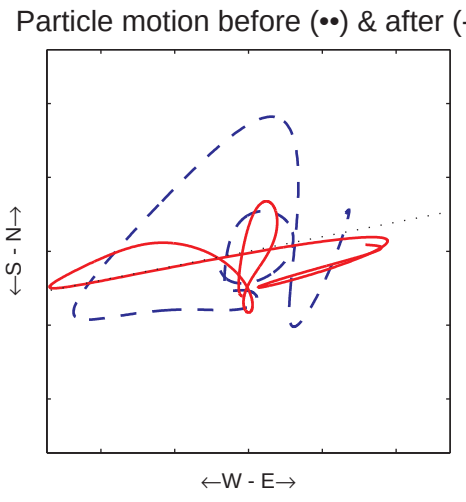


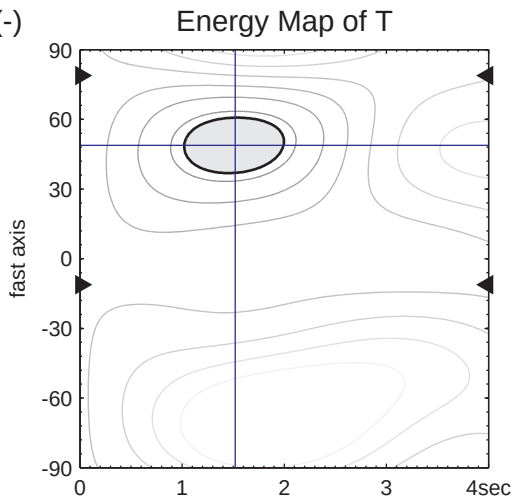


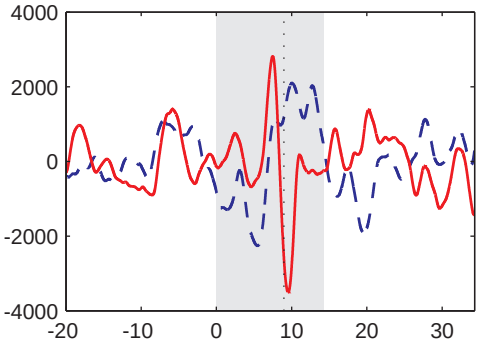








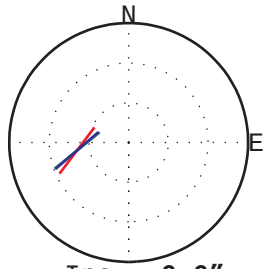




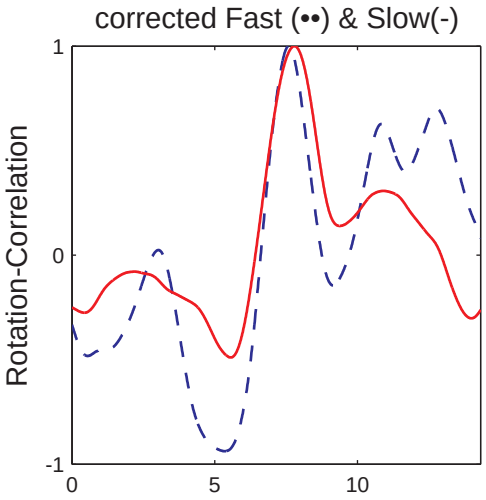
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **SERE** Backazimuth: **261.2”** Distance: **114.64”**
init.Pol.: **100.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.0**

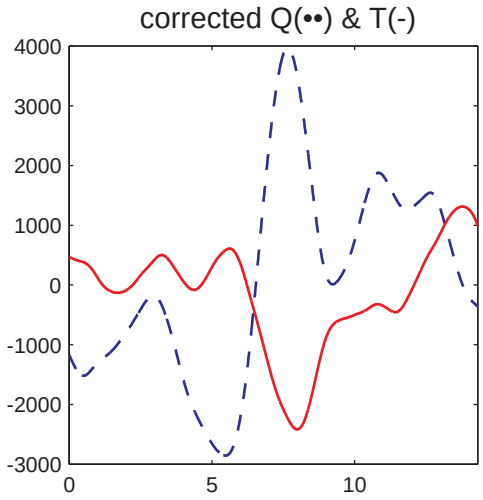
Rotation Correlation:	43<	51° <	62	1.6<1.8s<2.1
Minimum Energy:	23<	37° <	52	1.3<1.8s<2.3
Eigenvalue:	35<	49° <	66	1.3<1.8s<2.2

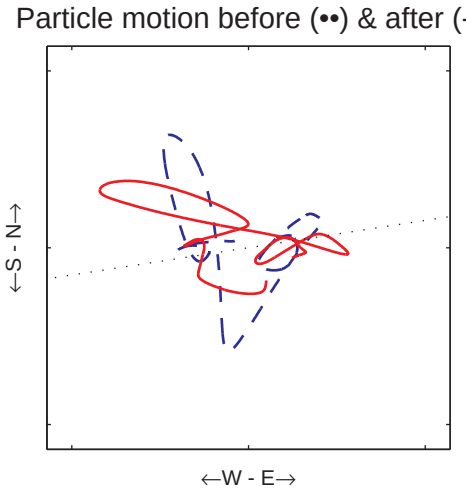
Quality: **fair** IsNull: **No** Phase: **SKS**

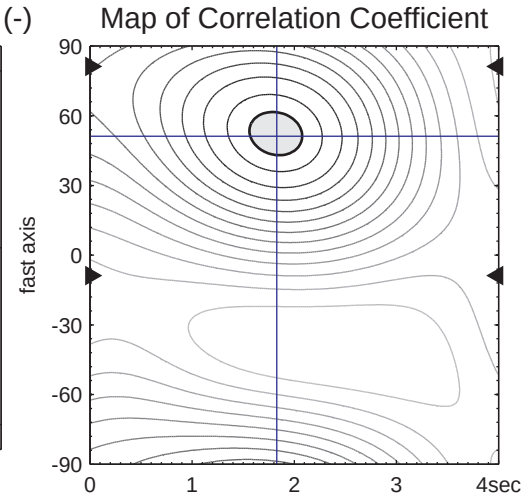


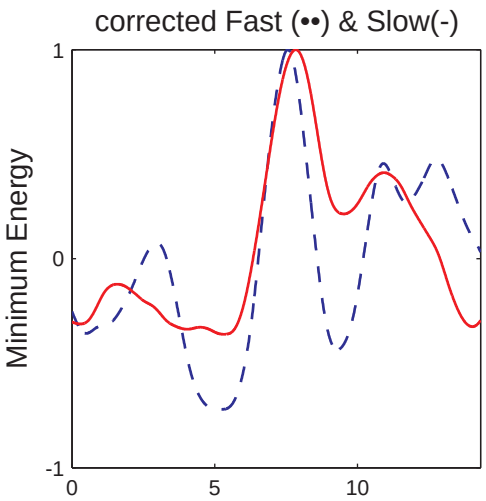
Inc = **6.6”**

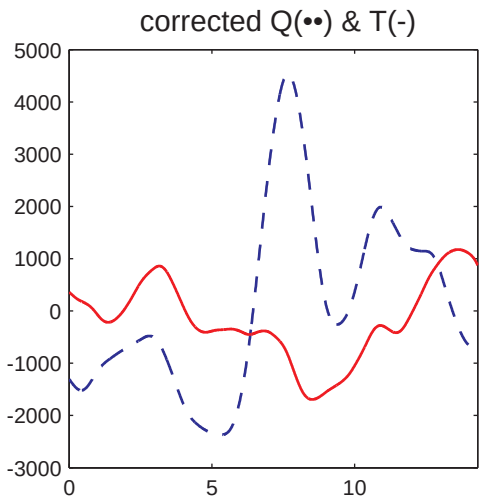


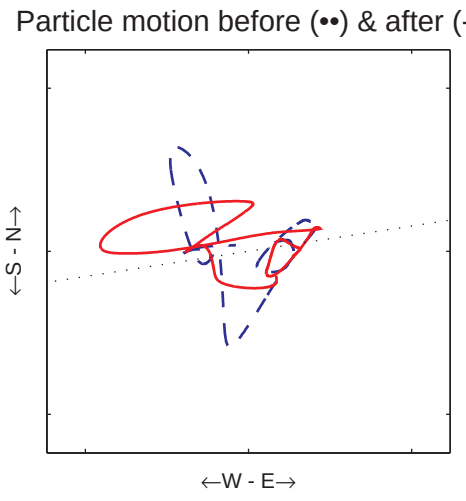


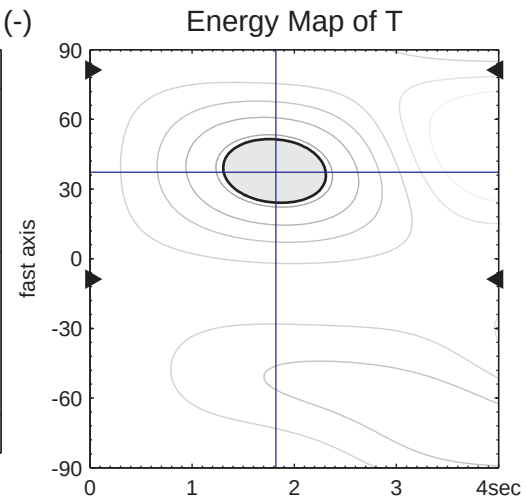


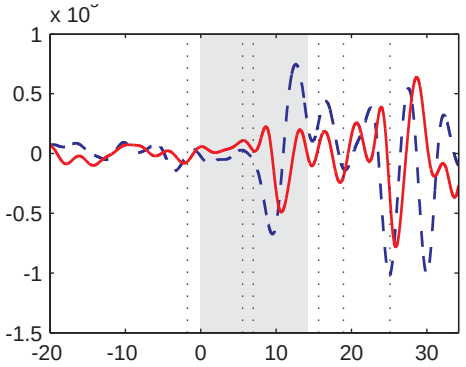








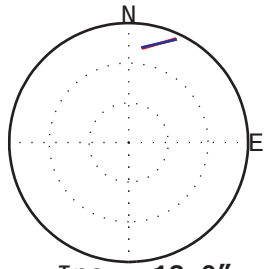




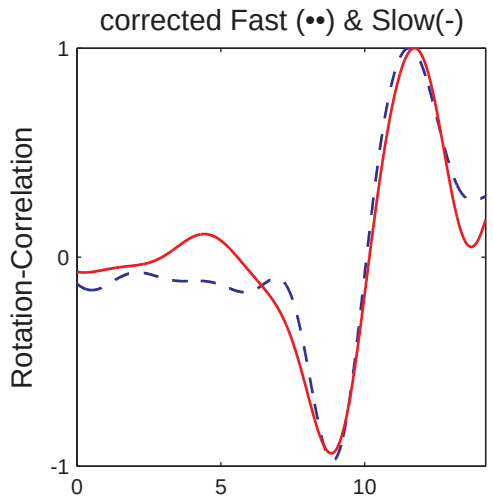
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **SERE** Backazimuth: **17.1”** Distance: **85.70”**
init.Pol.: **200.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.1**

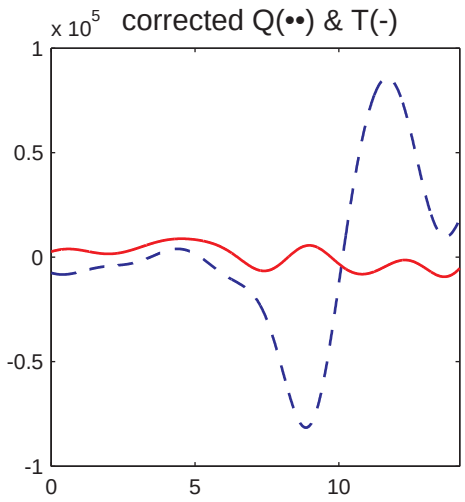
Rotation Correlation:	67<	76° <	85	0.9<1.1s<1.3
Minimum Energy:	68<	73° <	80	0.9<1.1s<1.3
Eigenvalue:	70<	77° <	86	1.0<1.1s<1.3

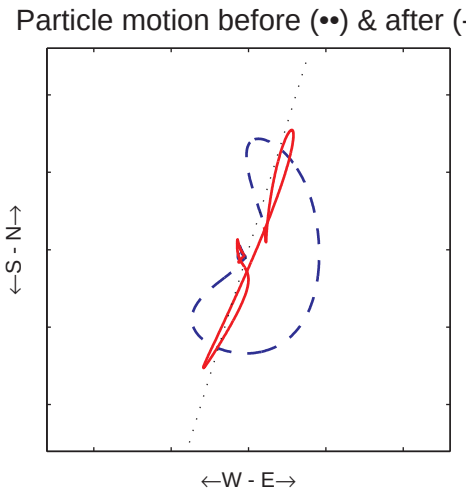
Quality: **good** IsNull: **No** Phase: **SKKS**

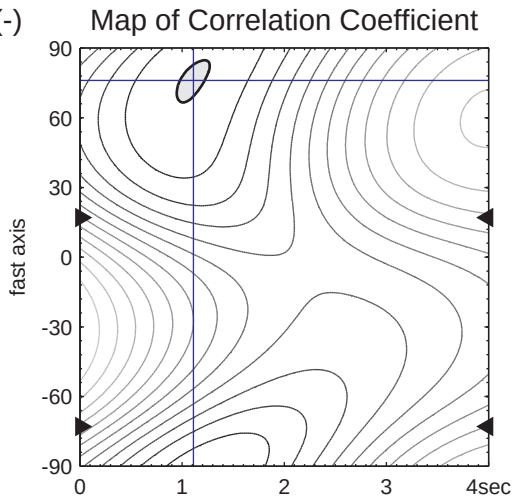


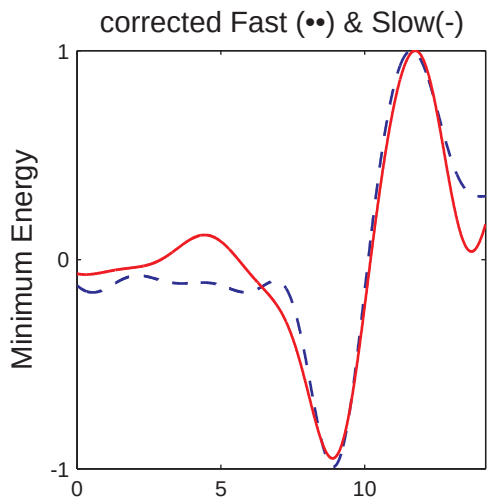
Inc = **13.0”**

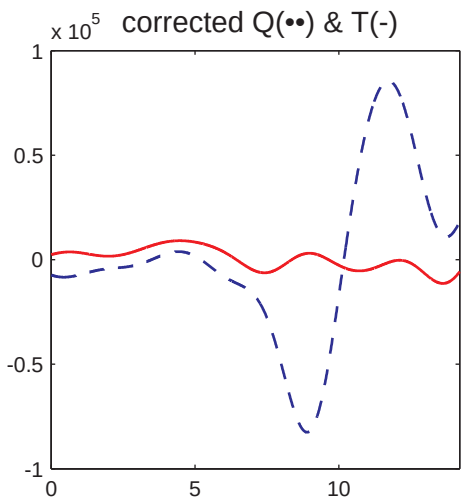


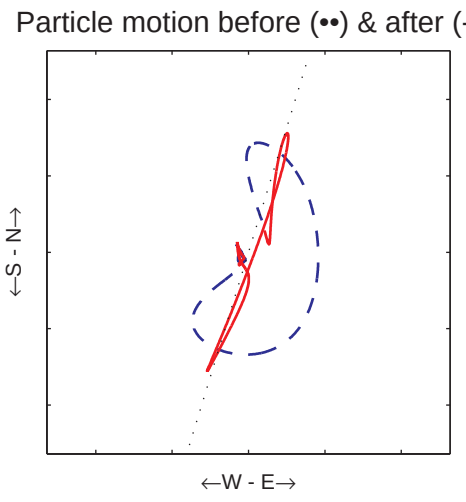


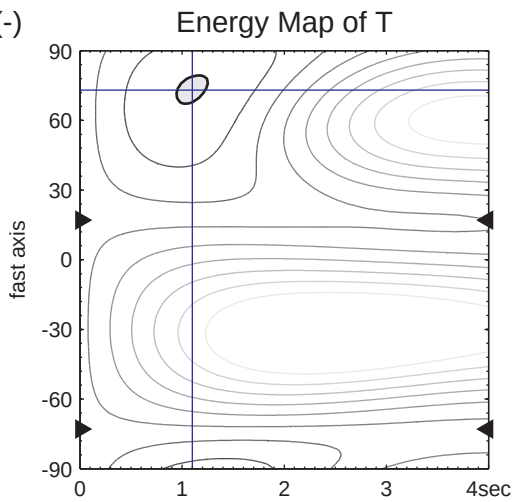


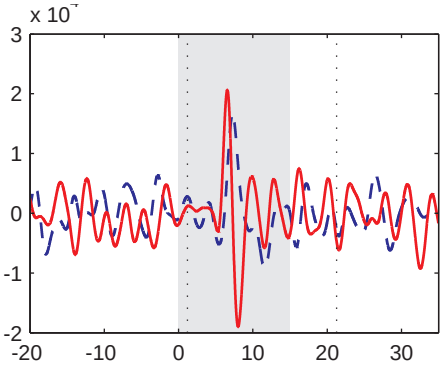








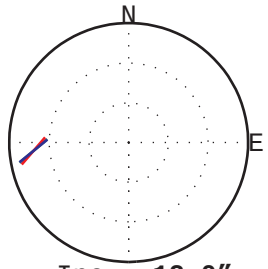




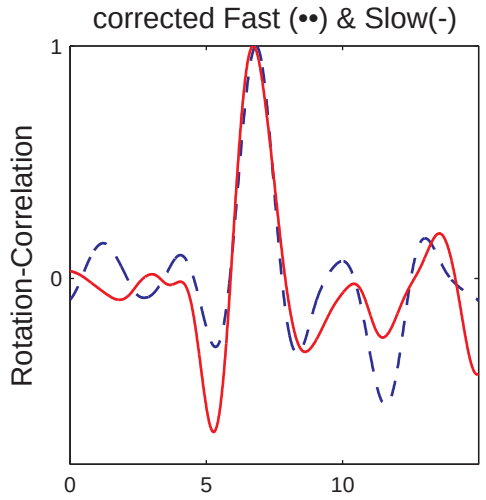
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **SERE** Backazimuth: **264.9”** Distance: **108.54”**
init.Pol.: **99.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.3**

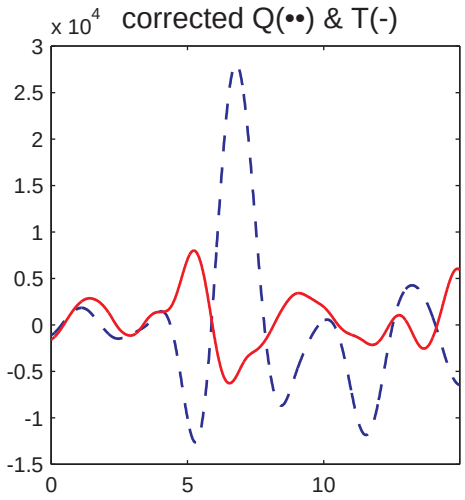
Rotation Correlation:	43<	50° <	60	1.0<1.1s<1.2
Minimum Energy:	35<	41° <	48	1.0<1.1s<1.3
Eigenvalue:	37<	51° <	66	1.0<1.1s<1.3

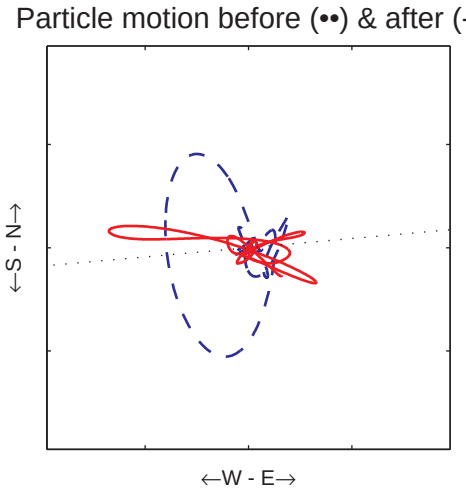
Quality: **fair** IsNull: **No** Phase: **SKKS**

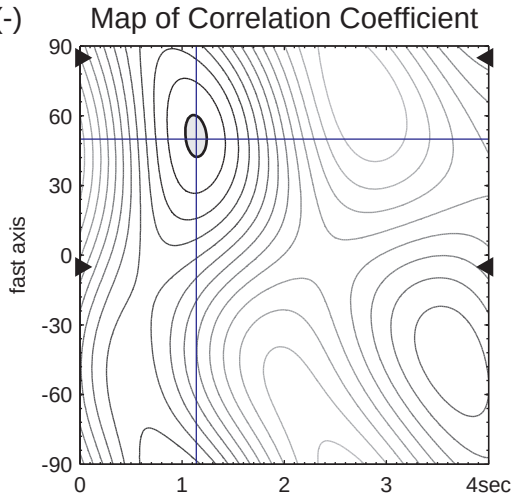


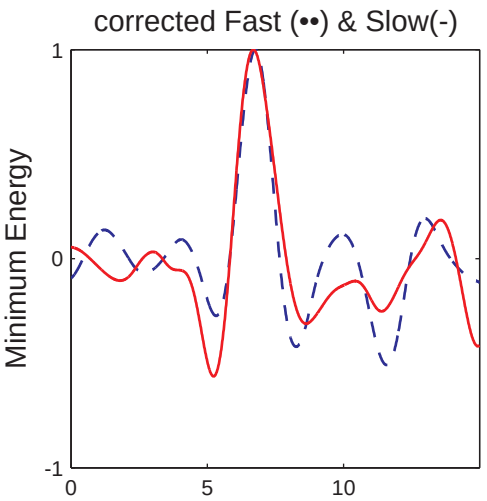
Inc = **12.0”**

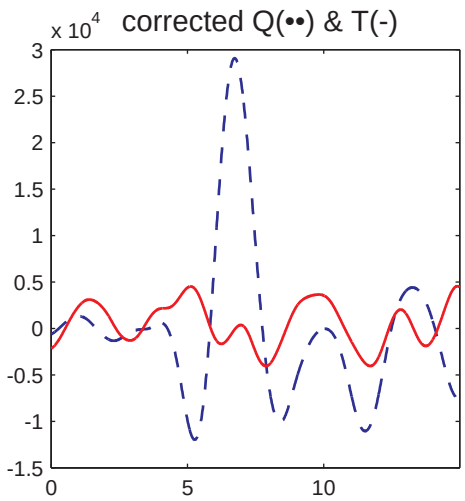


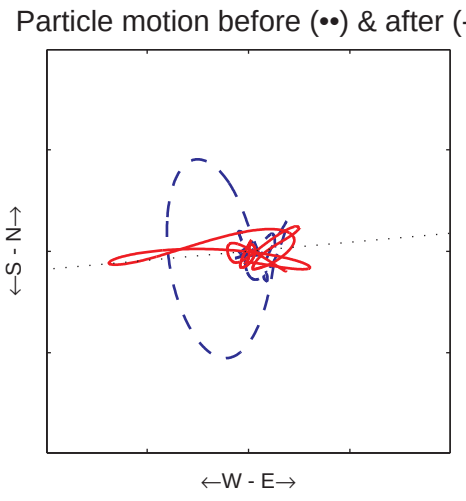


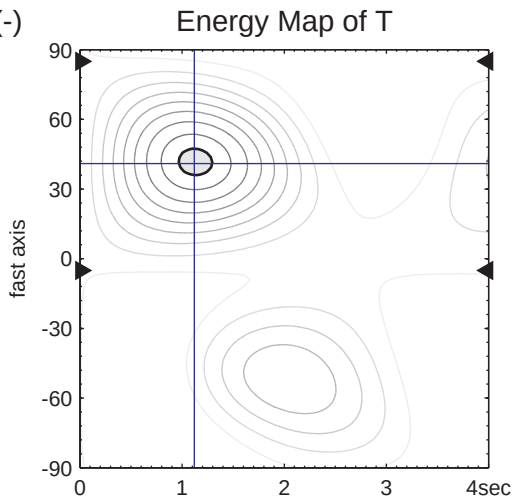


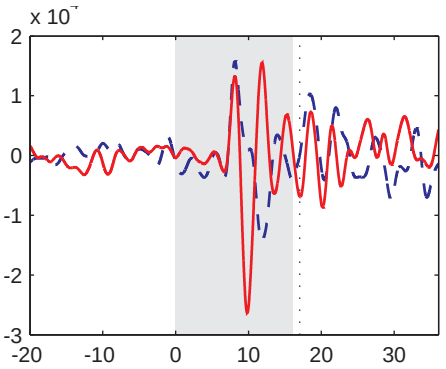








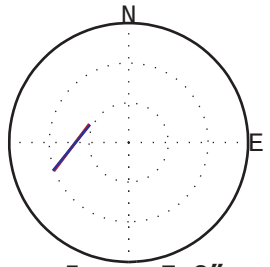


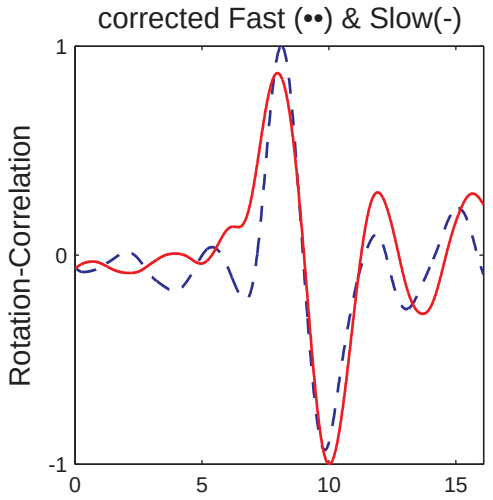


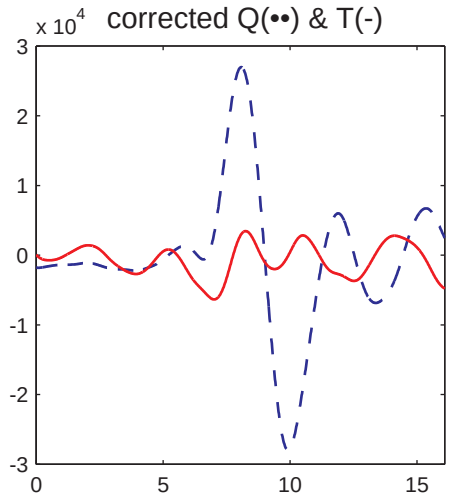
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **SERE** Backazimuth: **264.9”** Distance: **108.54”**
init.Pol.: **88.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.1**

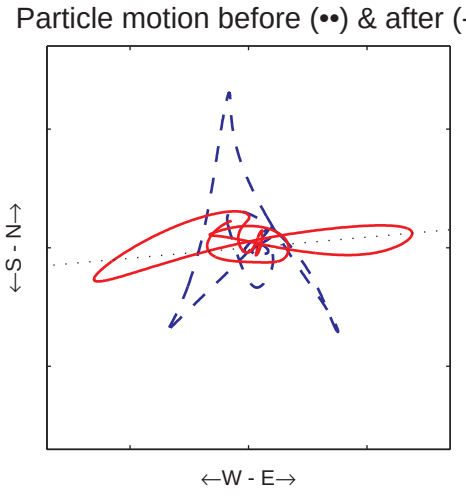
Rotation Correlation:	30<	37° <	47	1.7<1.8s<2.0
Minimum Energy:	33<	37° <	41	1.7<1.9s<2.0
Eigenvalue:	27<	39° <	50	1.7<1.9s<2.0

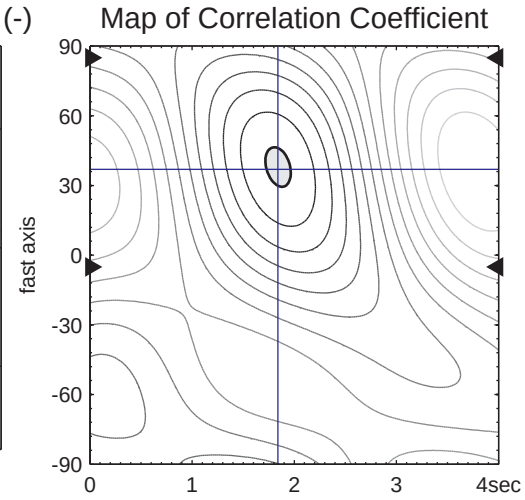
Quality: **good** IsNull: **No** Phase: **SKS**

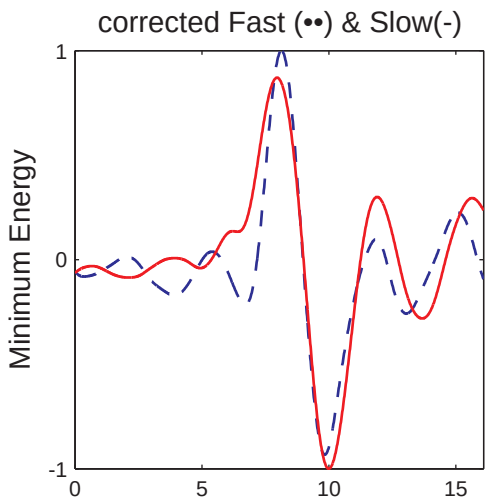


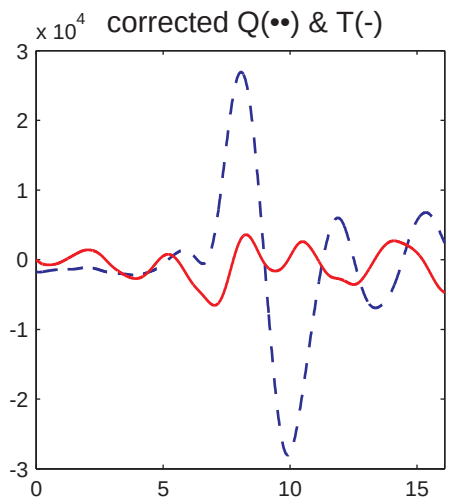


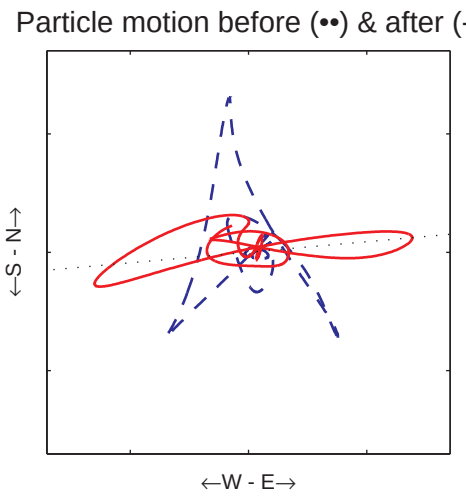


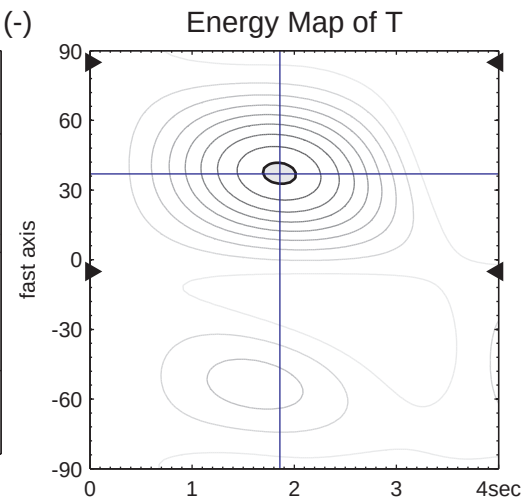


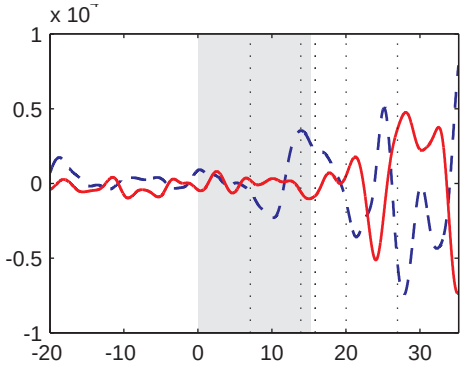








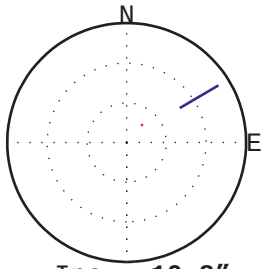




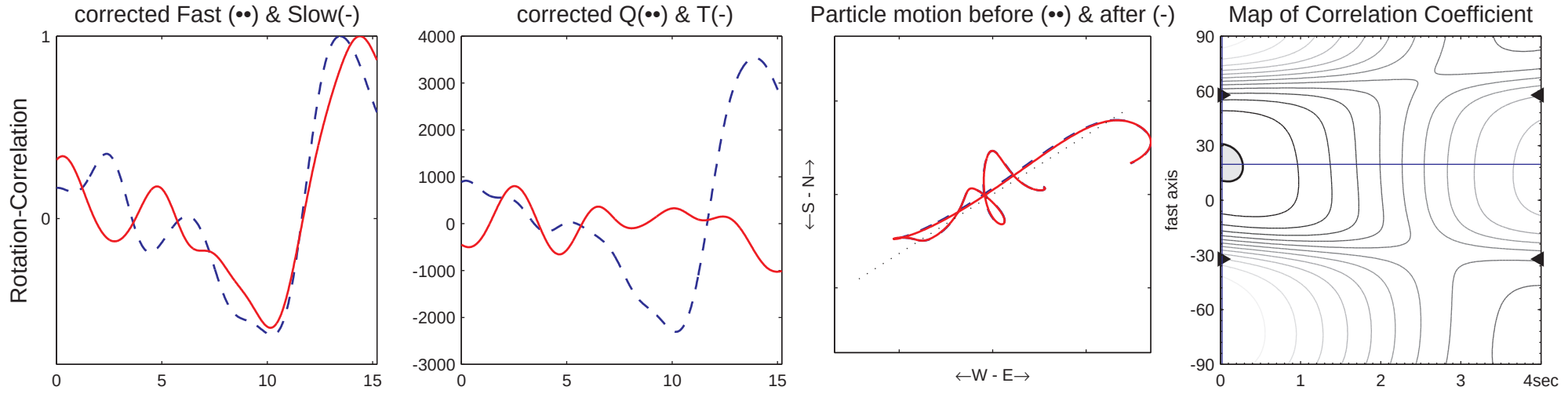
Event: **27-Feb-2008 (058) 06:54 26.82N 142.44E 15km Mw=6.2**
Station: **SULT** Backazimuth: **57.7”** Distance: **87.05”**
init.Pol.: **248.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

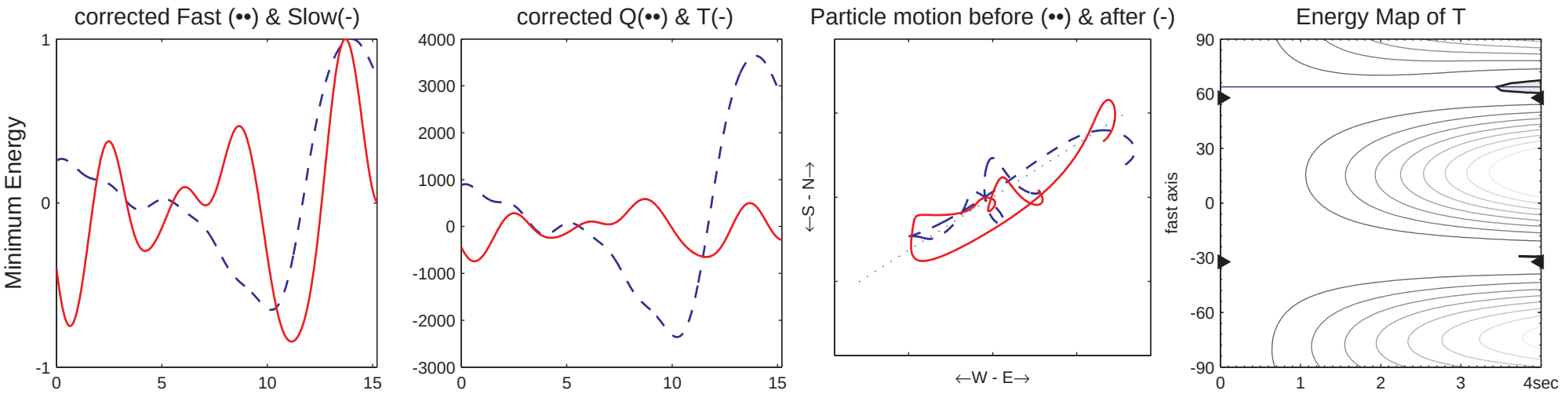
Rotation Correlation:	11<	20° <	31	0.0<0.0s<0.3
Minimum Energy:	60<	64° <	68	3.4<4.0s<4.0
Eigenvalue:	-Inf<	60° <	Inf	0.0<1.4s<Inf

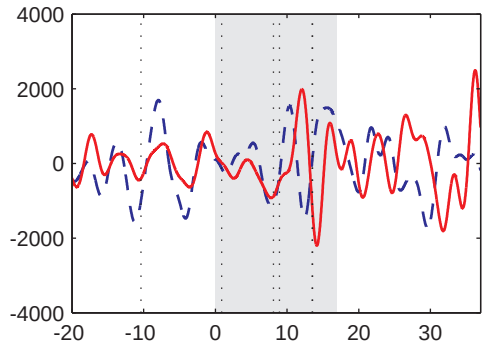
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.8”**



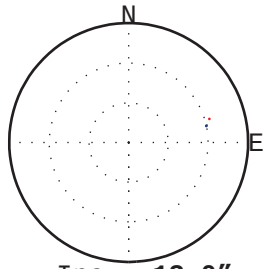




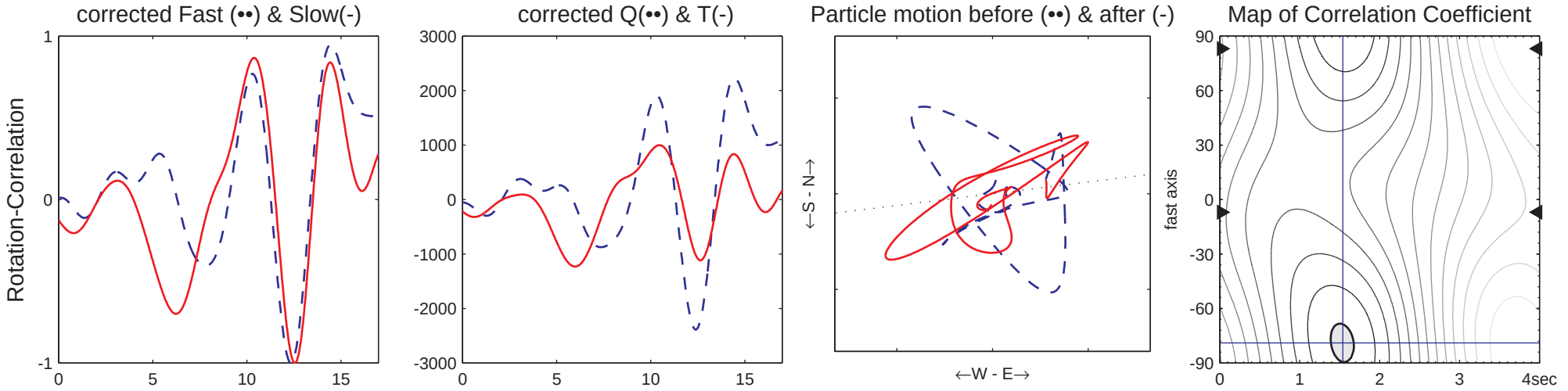
Event: **20-Mar-2008 (080) 14:10 6.19N 126.93E 45km Mw=6.1**
Station: **SULT** Backazimuth: **83.0”** Distance: **88.85”**
init.Pol.: **236.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.0**

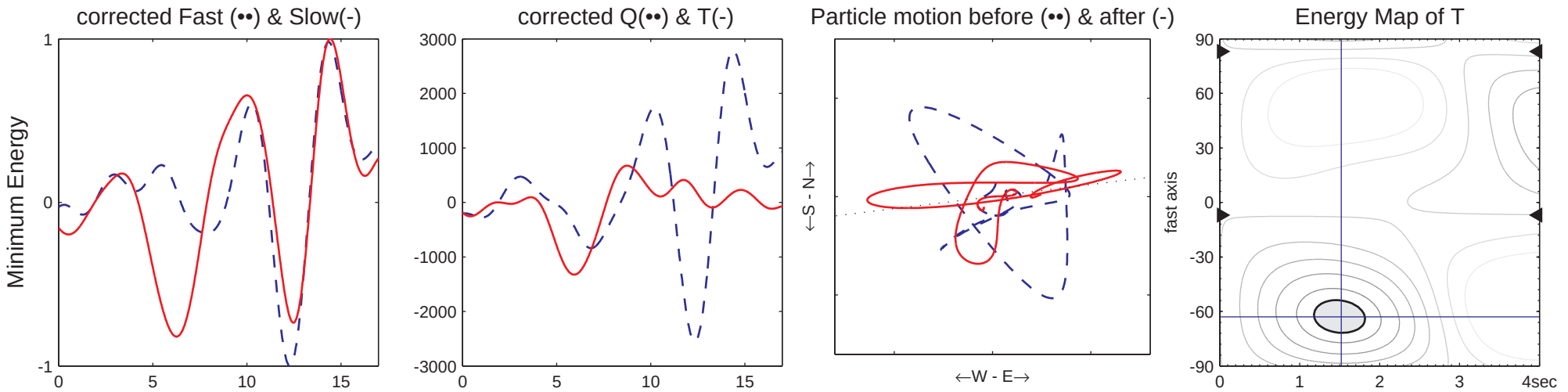
Rotation Correlation:	-90<	-79° <	-69 1.4<1.5s<1.7
Minimum Energy:	-74<	-63° <	-56 1.2<1.5s<1.8
Eigenvalue:	84<	-81° <	-68 1.3<1.6s<1.8

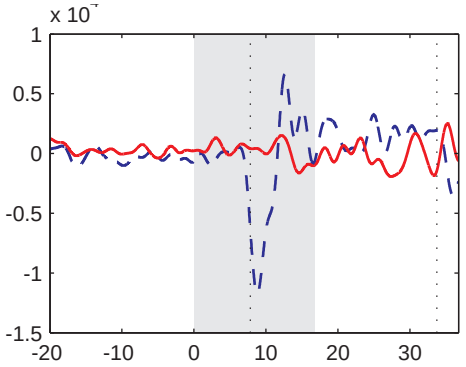
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



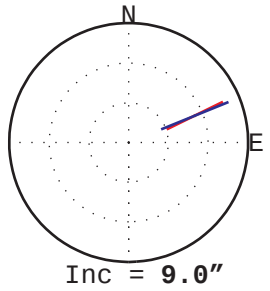


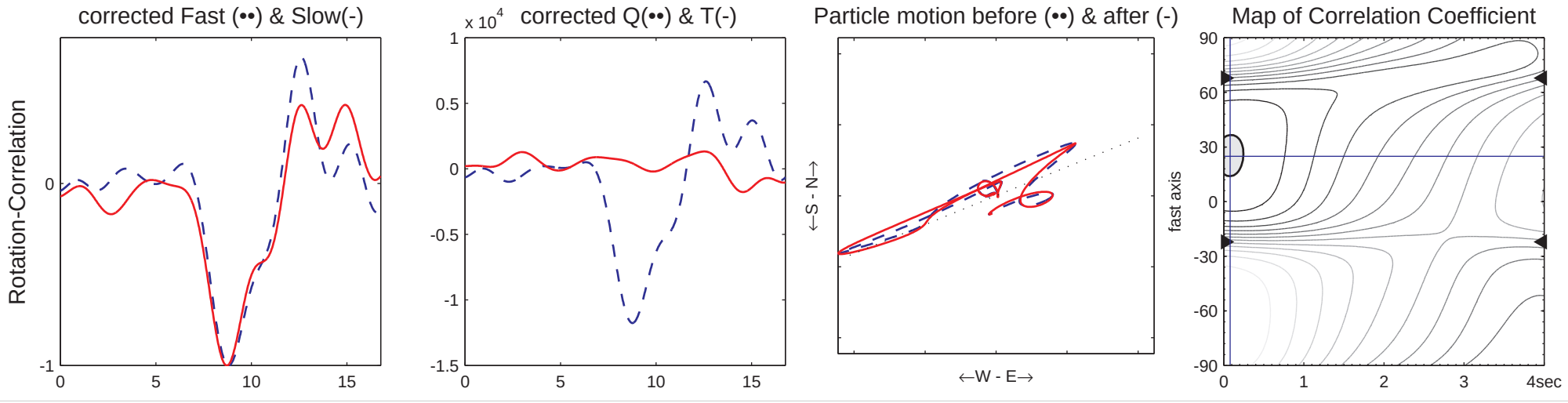


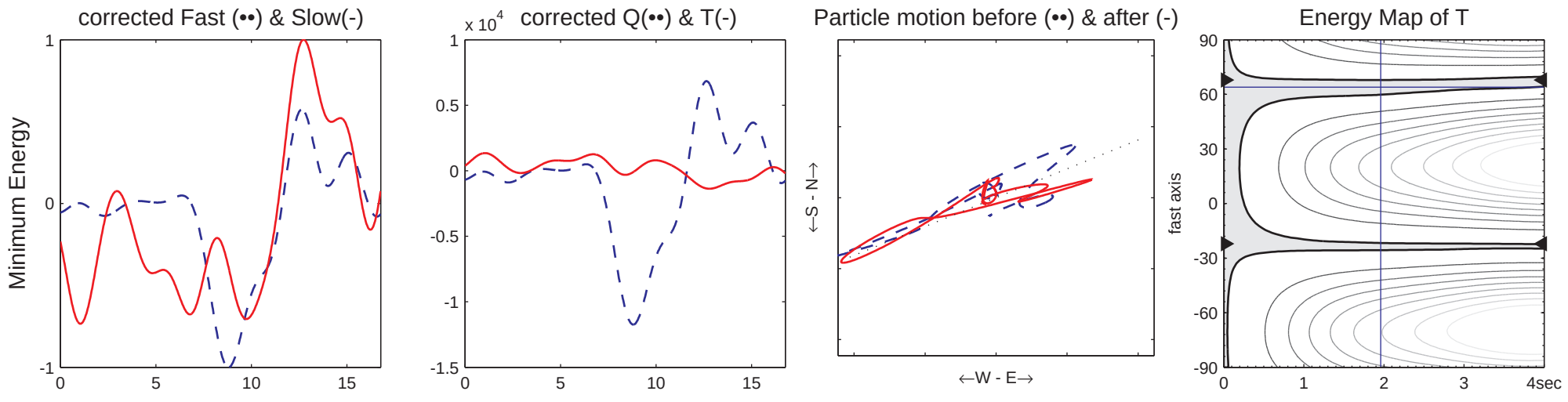
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **SULT** Backazimuth: **67.9”** Distance: **97.13”**
init.Pol.: **254.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.0**

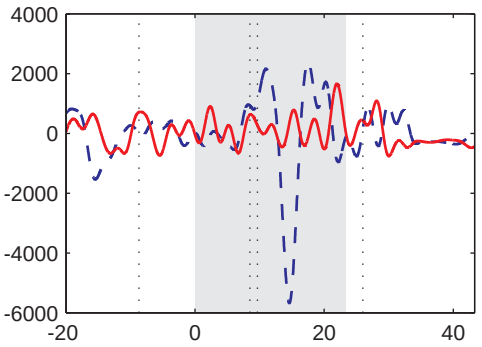
Rotation Correlation:	14<	25° < 37	0.0<0.1s<0.2
Minimum Energy:	-Inf<	64° < Inf	0.0<2.0s<Inf
Eigenvalue:	64<	68° < 74	1.3<2.3s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





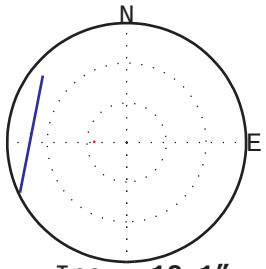




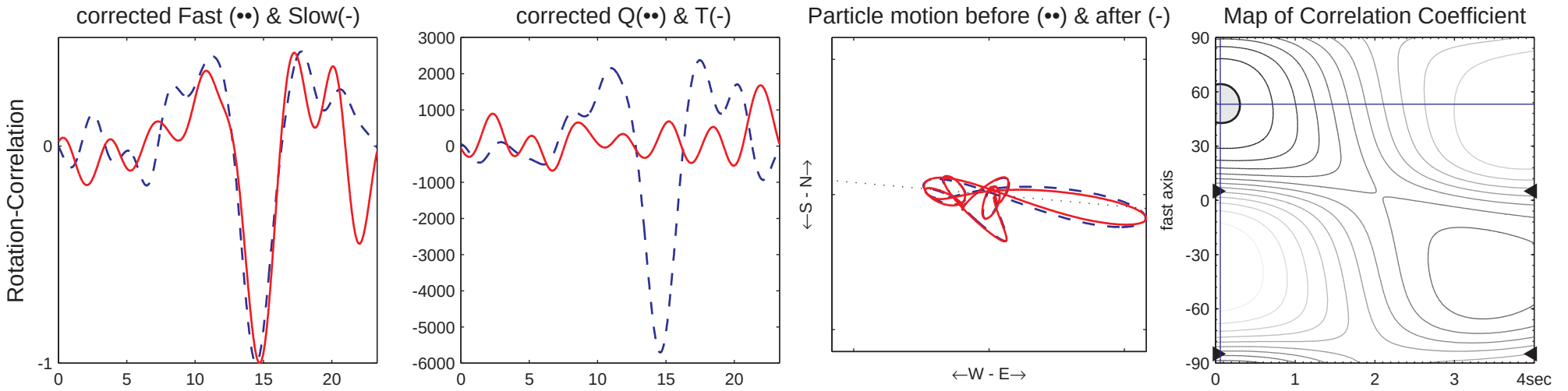
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **SULT** Backazimuth: **275.1”** Distance: **108.76”**
init.Pol.: **107.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.9**

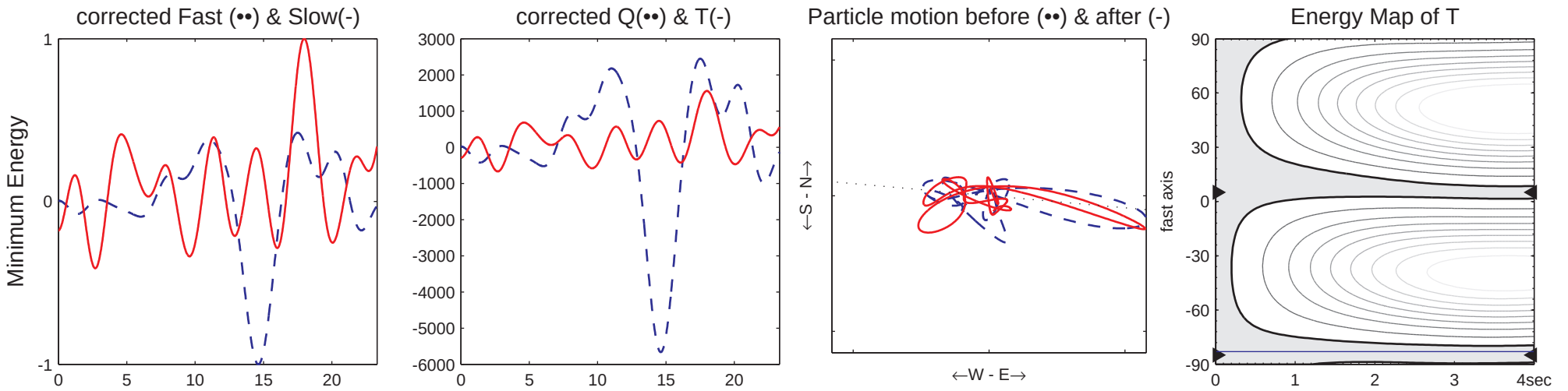
Rotation Correlation:	43<	53° <	64	0.0<0.1s<0.3
Minimum Energy:	-Inf<	-83° <	Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	11° <	Inf	0.0<3.7s<Inf

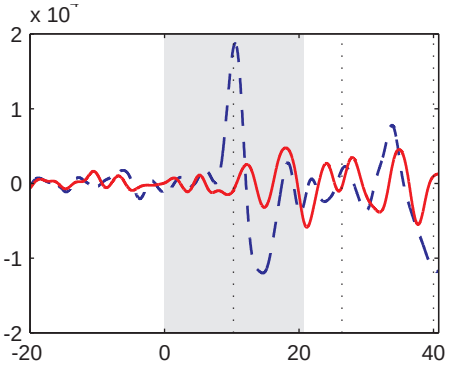
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **12.1”**



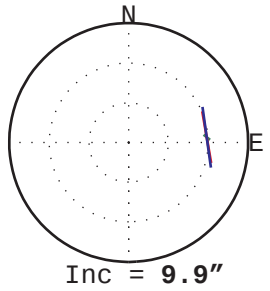


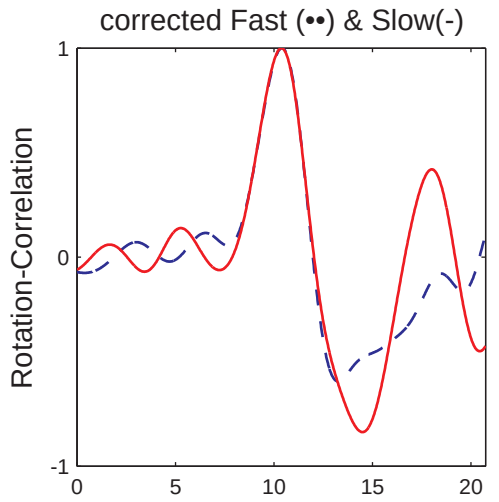


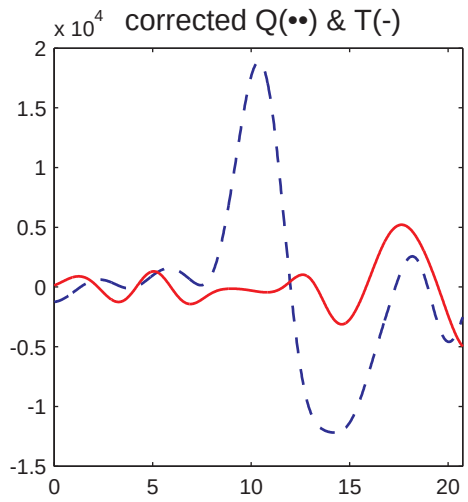
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **SULT** Backazimuth: **86.1”** Distance: **91.85”**
init.Pol.: **268.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.1**

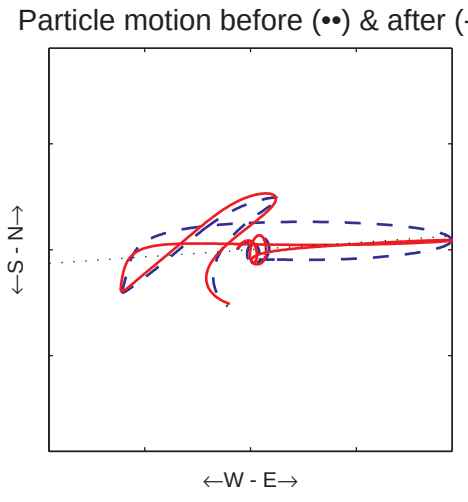
Rotation Correlation:	-62<	-51° < -42	0.0<0.3s<0.5
Minimum Energy:	-Inf<	-10° < Inf	0.0<1.6s<Inf
Eigenvalue:	-Inf<	-8° < Inf	0.0<1.9s<Inf

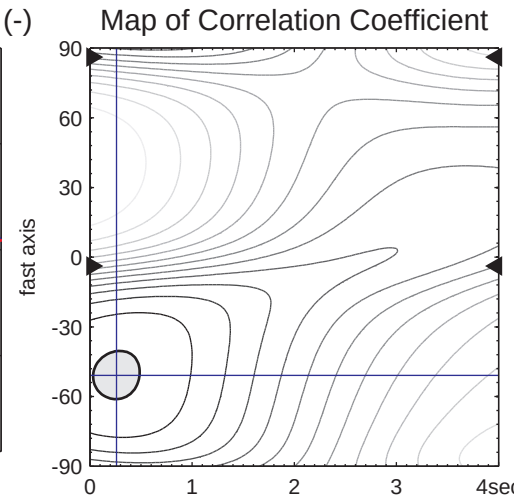
Quality: **good** IsNull: **Yes** Phase: **SKS**

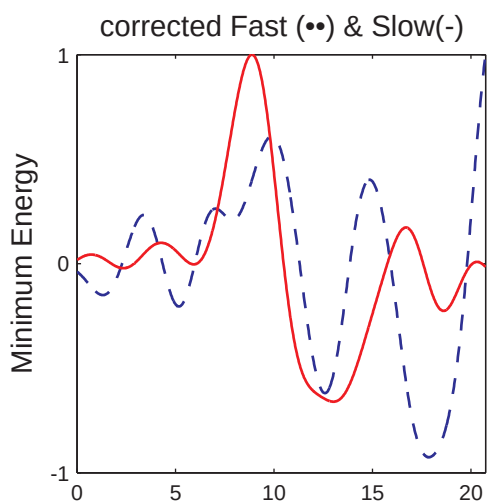


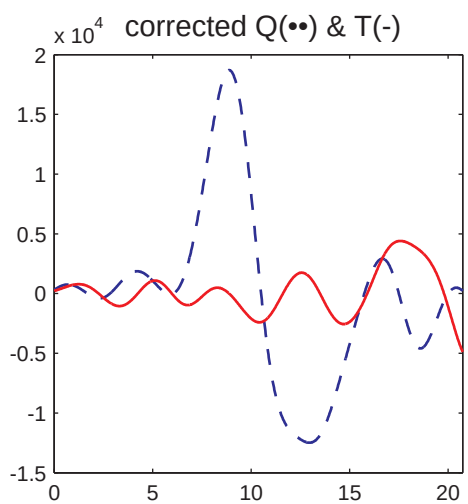


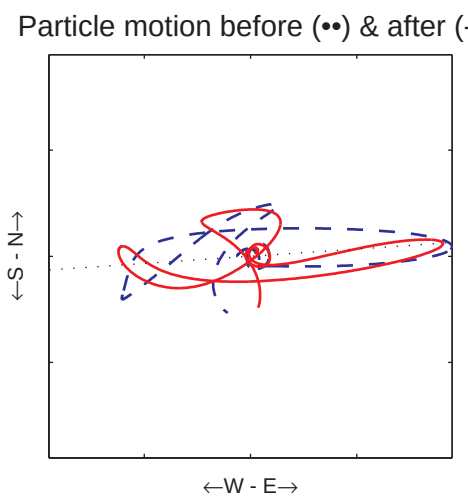


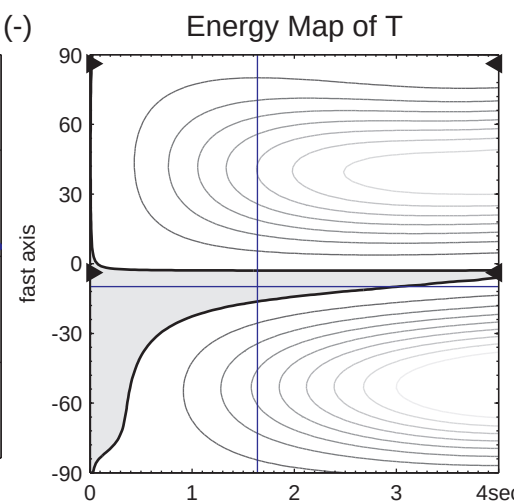


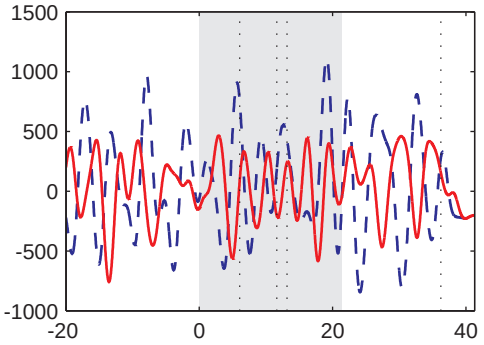








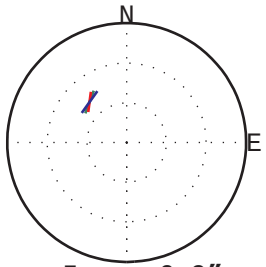




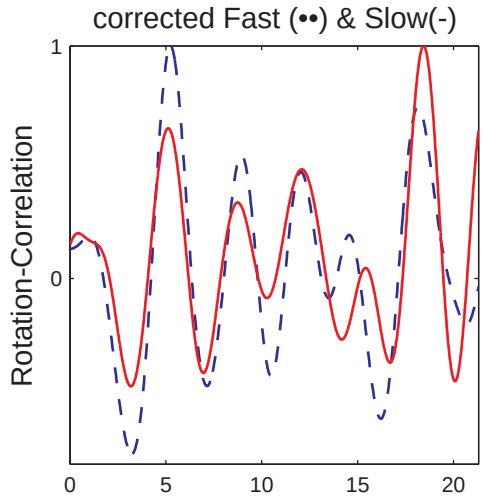
Event: **24-Sep-2008 (268) 02:33 17.61N -105.50E 12km Mw=6.4**
Station: **SULT** Backazimuth: **317.5”** Distance: **112.23”**
init.Pol.: **157.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

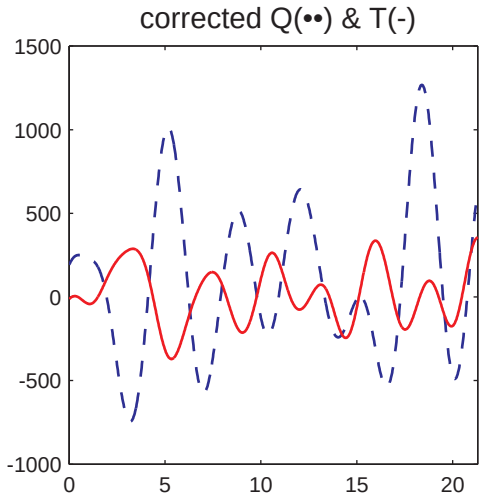
Rotation Correlation:	7<	21° <	35	0.6<0.8s<0.9
Minimum Energy:	-11<	8° <	23	0.4<0.6s<0.9
Eigenvalue:	9<	36° <	56	0.6<0.8s<1.1

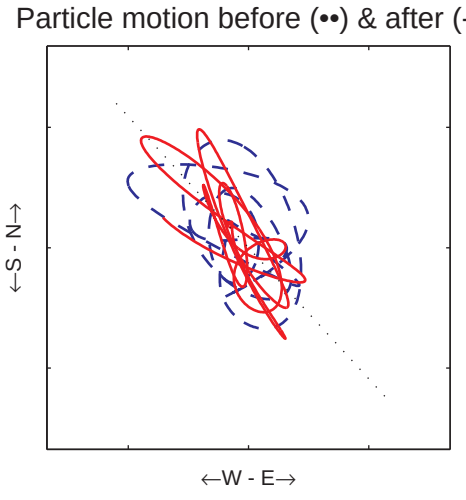
Quality: **fair** IsNull: **No** Phase: **SKS**

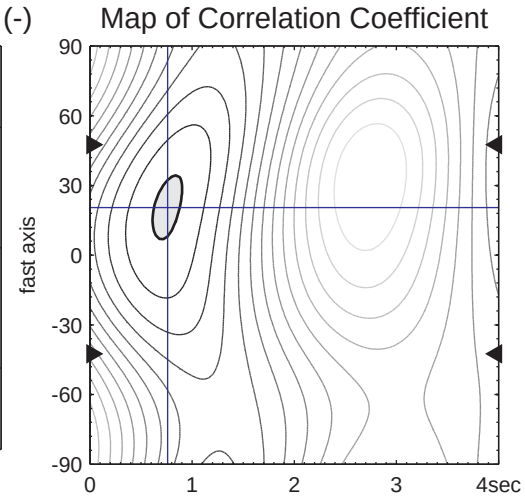


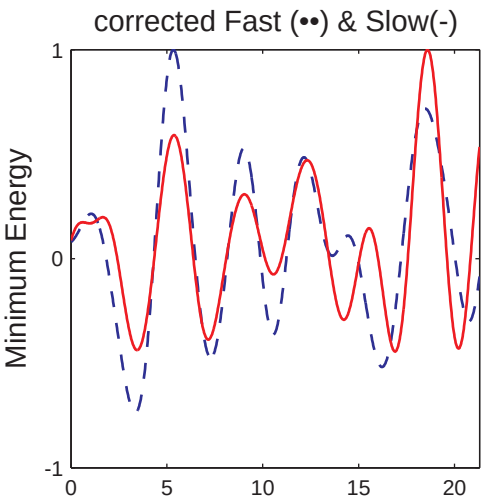
Inc = **6.9”**

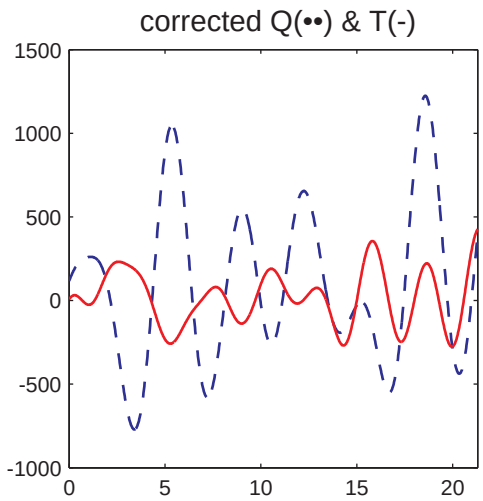


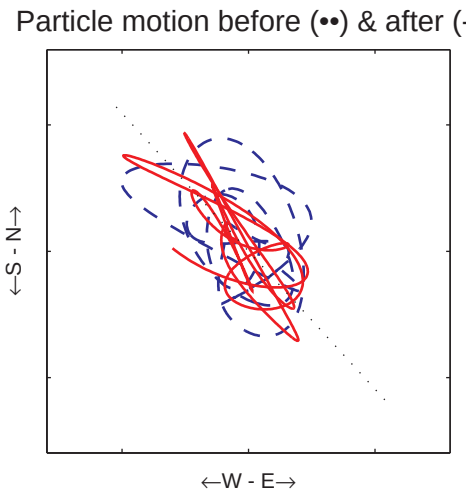


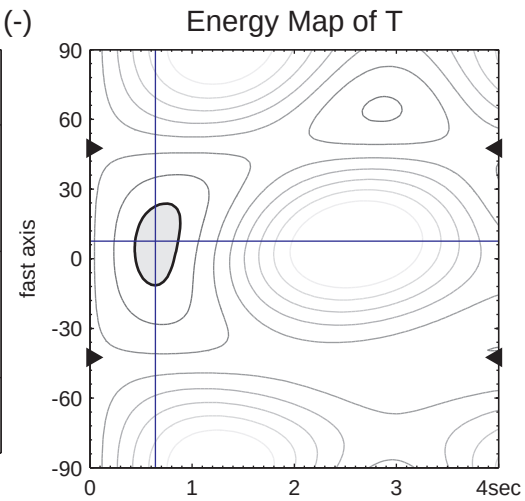


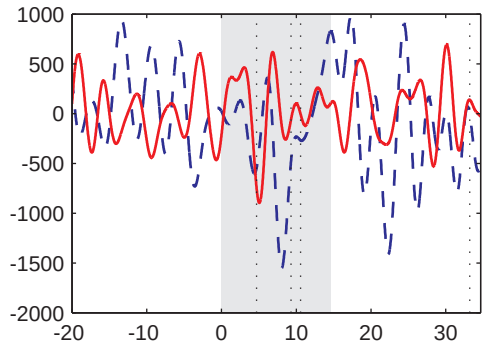








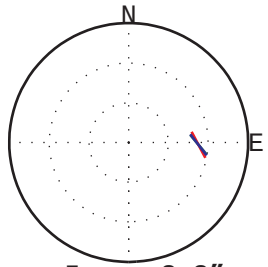




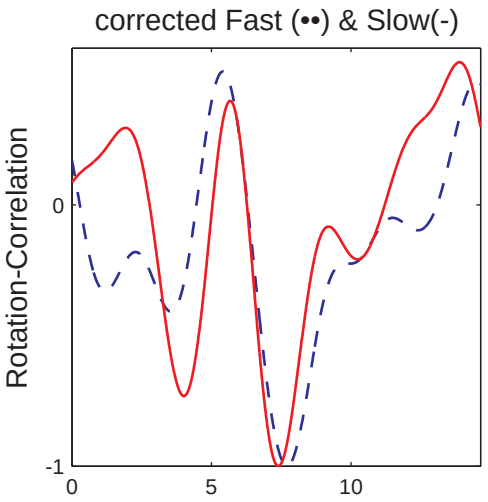
Event: **07-Nov-2008 (312) 16:04 -6.71N 129.07E 10km Mw=6.2**
Station: **SULT** Backazimuth: **91.9”** Distance: **98.50”**
init.Pol.: **263.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.7**

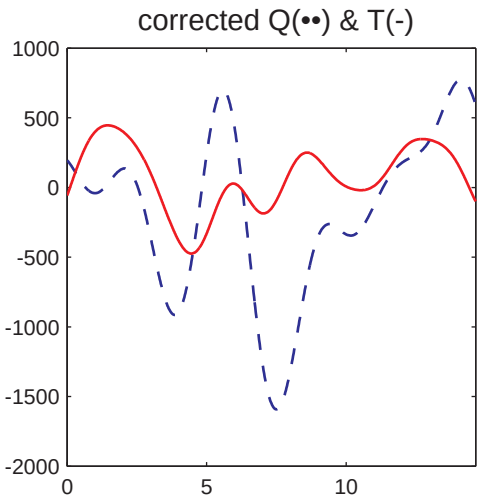
Rotation Correlation:	-57< **-40°** < -27	0.5<0.8s<1.1
Minimum Energy:	-54< **-28°** < -17	0.5<0.9s<1.4
Eigenvalue:	-76< **-38°** < -19	0.4<0.8s<1.2

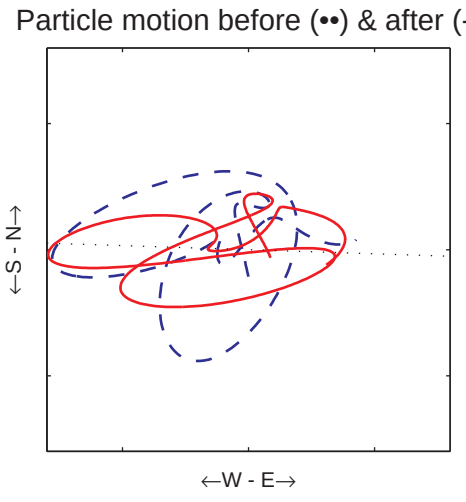
Quality: **fair** IsNull: **No** Phase: **SKS**

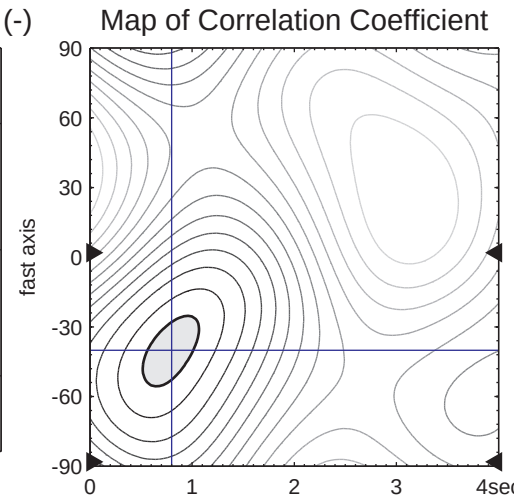


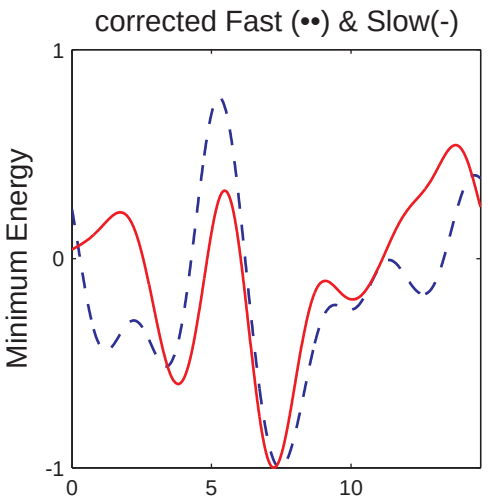
Inc = **8.8”**

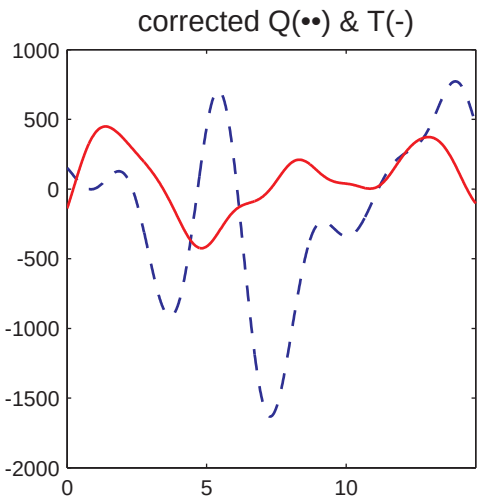


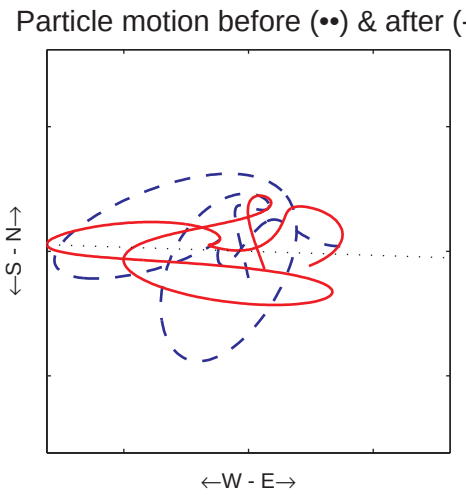


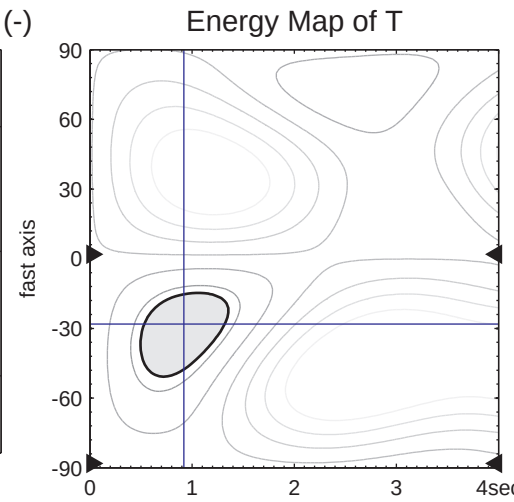


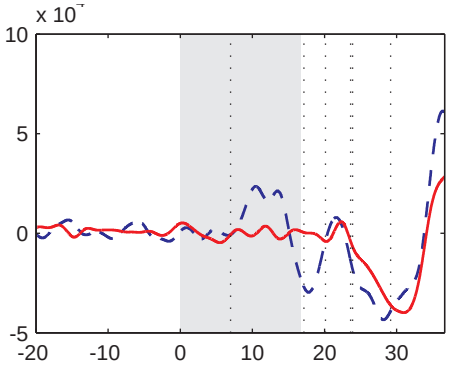






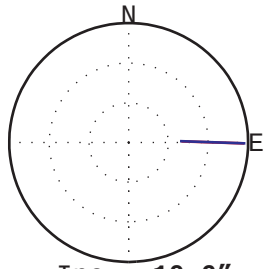


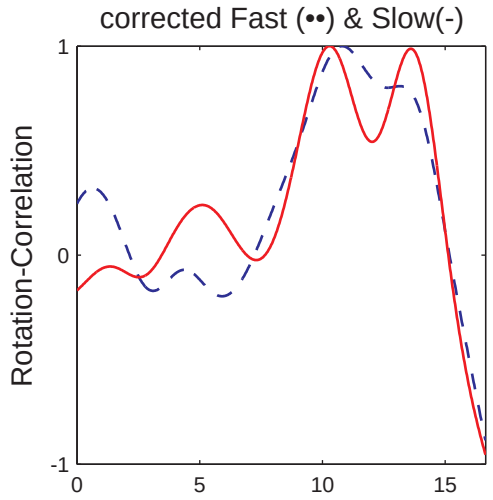


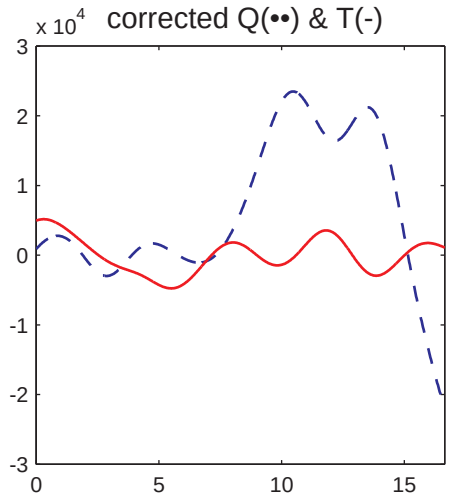


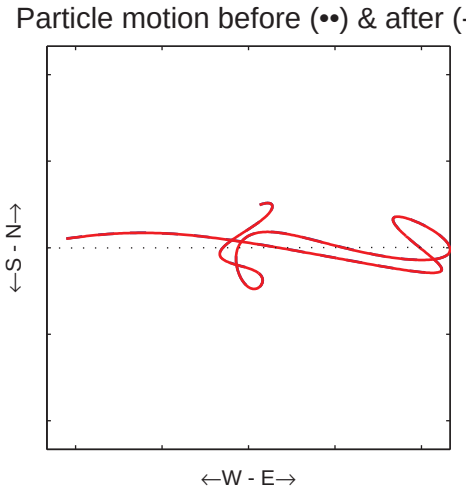
Event: **16-Nov-2008 (321) 17:02 1.27N 122.09E 30km Mw=7.4**
Station: **SULT** Backazimuth: **89.9”** Distance: **88.09”**
init.Pol.: **266.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

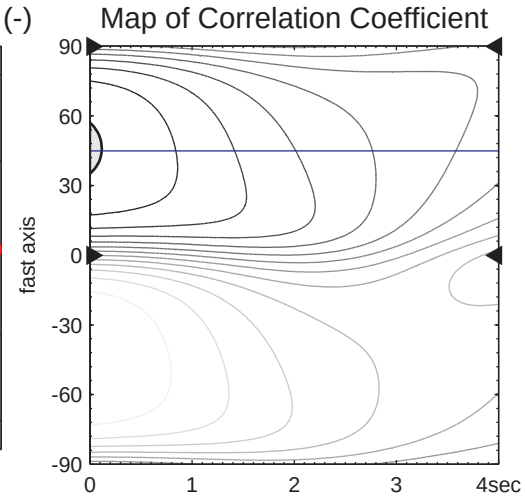
Rotation Correlation: 35< 45° < 57 0.0<0.0s<0.1
Minimum Energy: -Inf< -88° < Inf 0.0<2.0s<Inf
Eigenvalue: -Inf< -88° < Inf 0.0<2.0s<Inf
Quality: **good** IsNull: **Yes** Phase: **SKS**

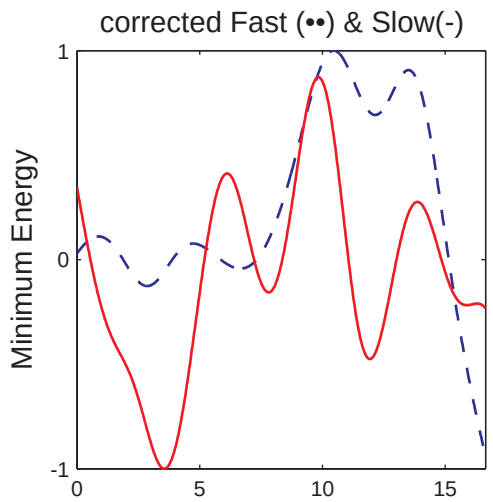


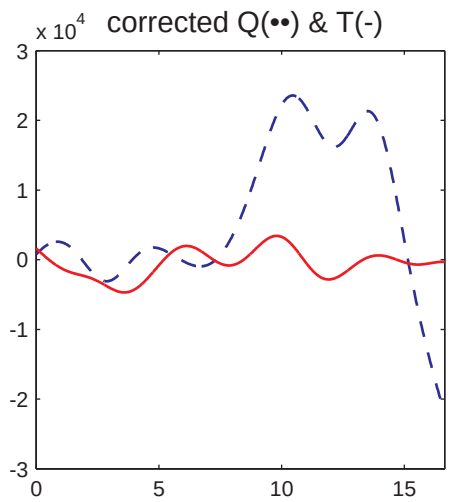


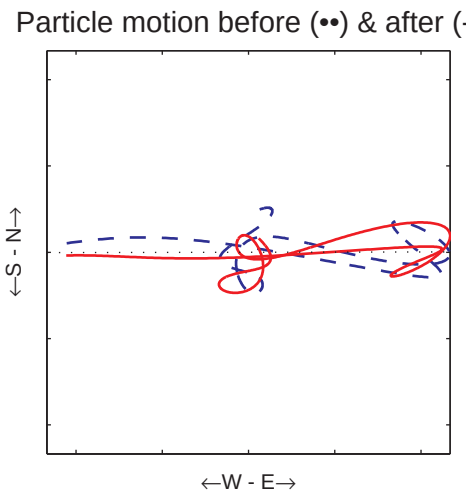


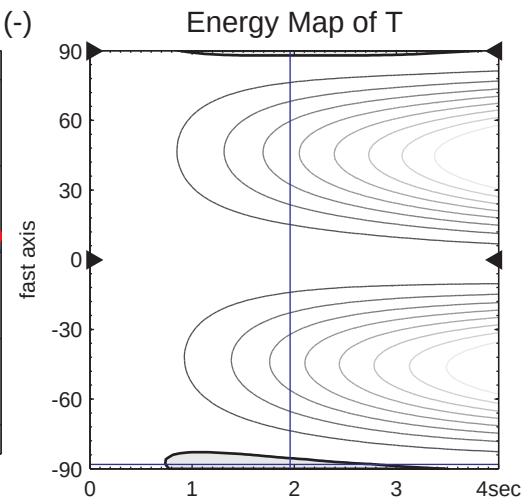


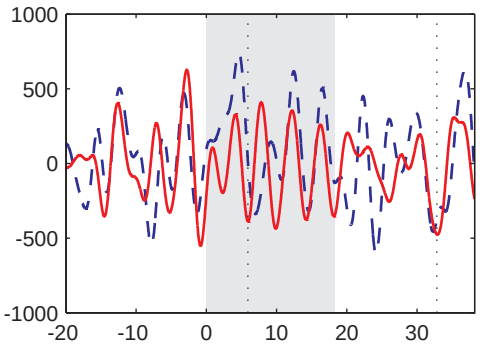








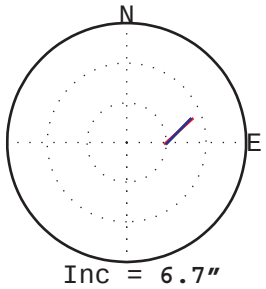


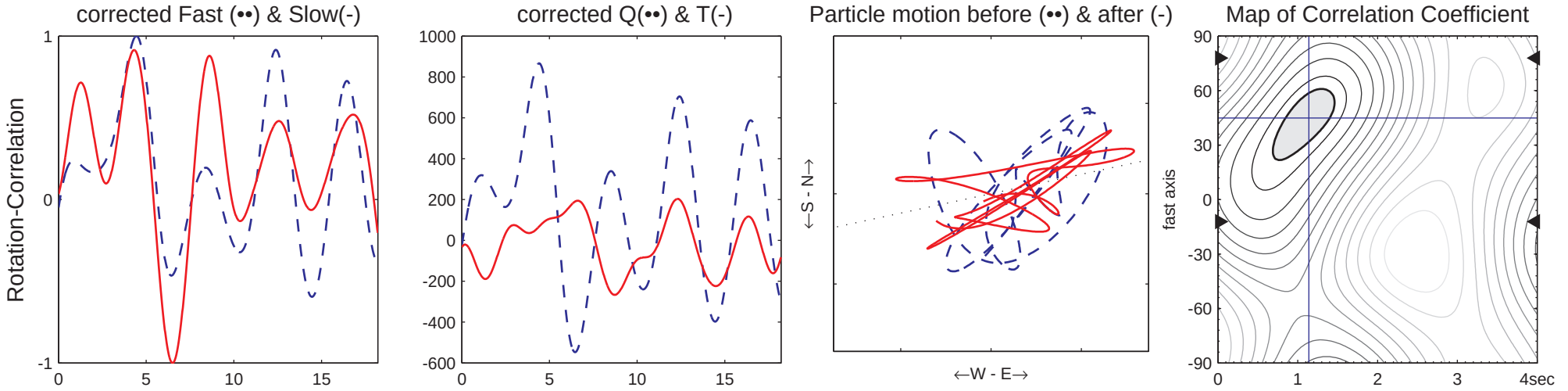


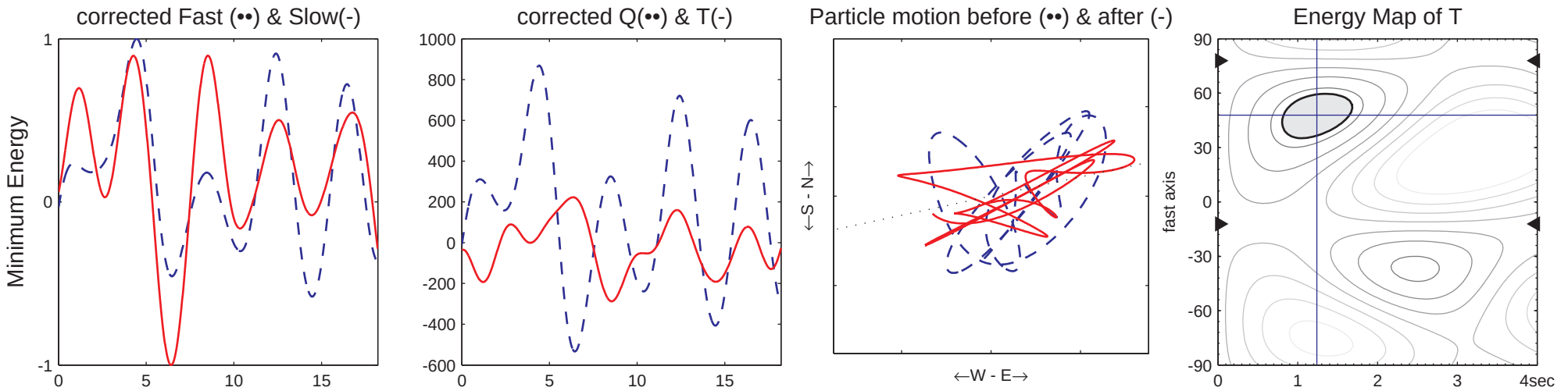
Event: **12-May-2009 (132) 01:26 -5.66N 149.54E 89km Mw=6.1**
Station: **SULT** Backazimuth: **77.9”** Distance: **113.84”**
init.Pol.: **250.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

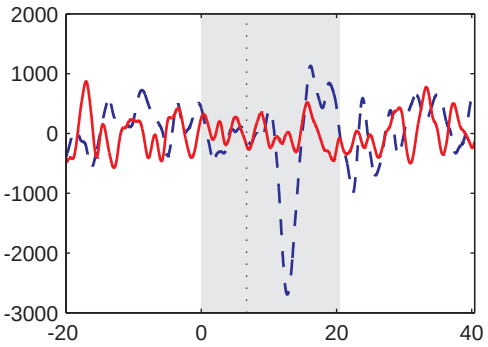
Rotation Correlation:	22<	45° <	61	0.7<1.1s<1.5
Minimum Energy:	35<	48° <	60	0.8<1.2s<1.7
Eigenvalue:	-1<	44° <	66	0.4<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





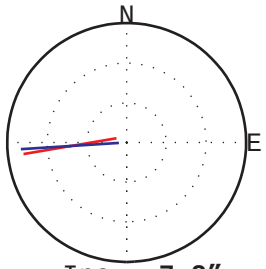




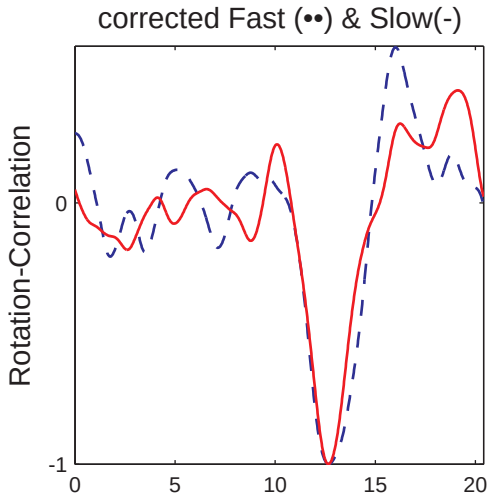
Event: **12-Jul-2009 (193) 06:12 -15.04N -70.44E 198km Mw=6.1**
Station: **SULT** Backazimuth: **266.3”** Distance: **110.10”**
init.Pol.: **97.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.3**

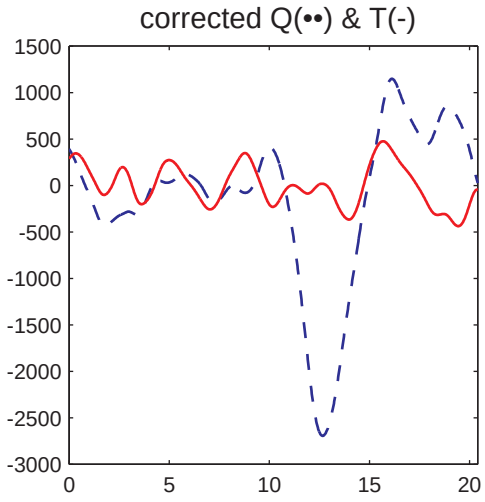
Rotation Correlation:	32<	38° <	46	0.0<0.1s<0.2
Minimum Energy:	80<	80° <	86	2.1<3.0s<3.6
Eigenvalue:	84<	86° <	-90	2.7<3.1s<3.4

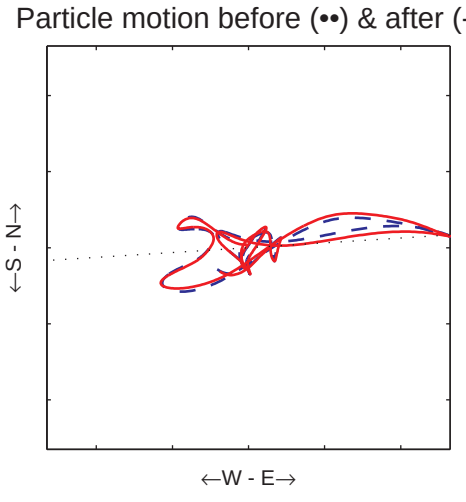
Quality: **good** IsNull: **Yes** Phase: **SKS**

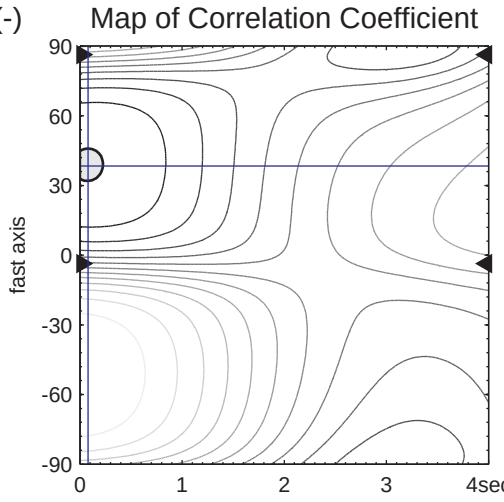


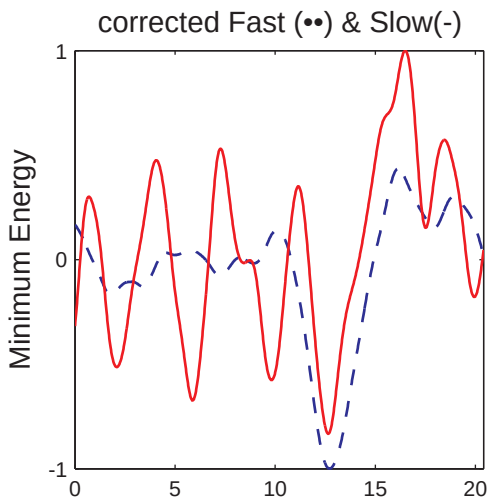
Inc = **7.2”**

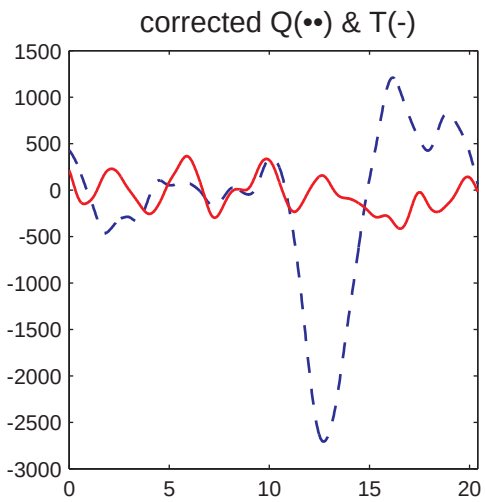


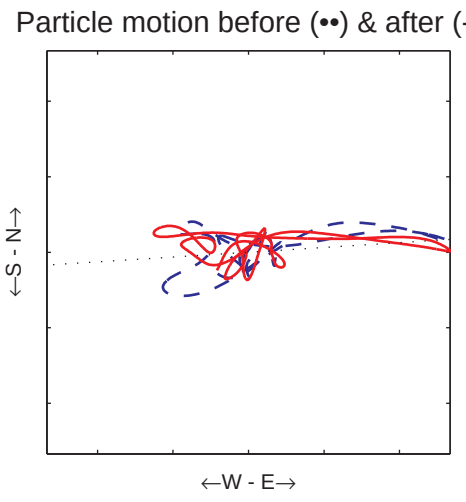


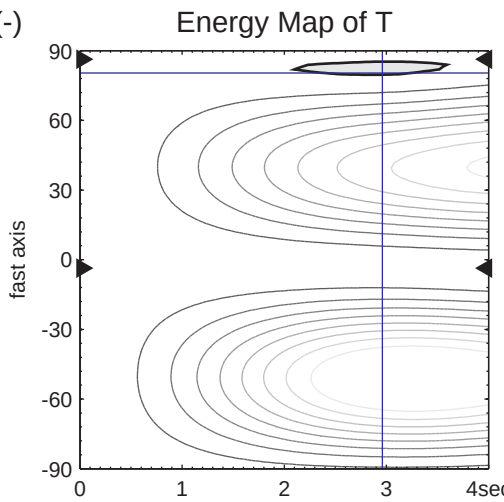


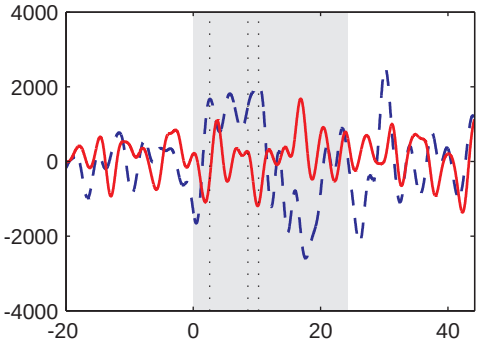








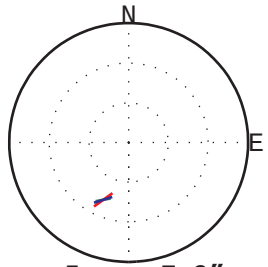


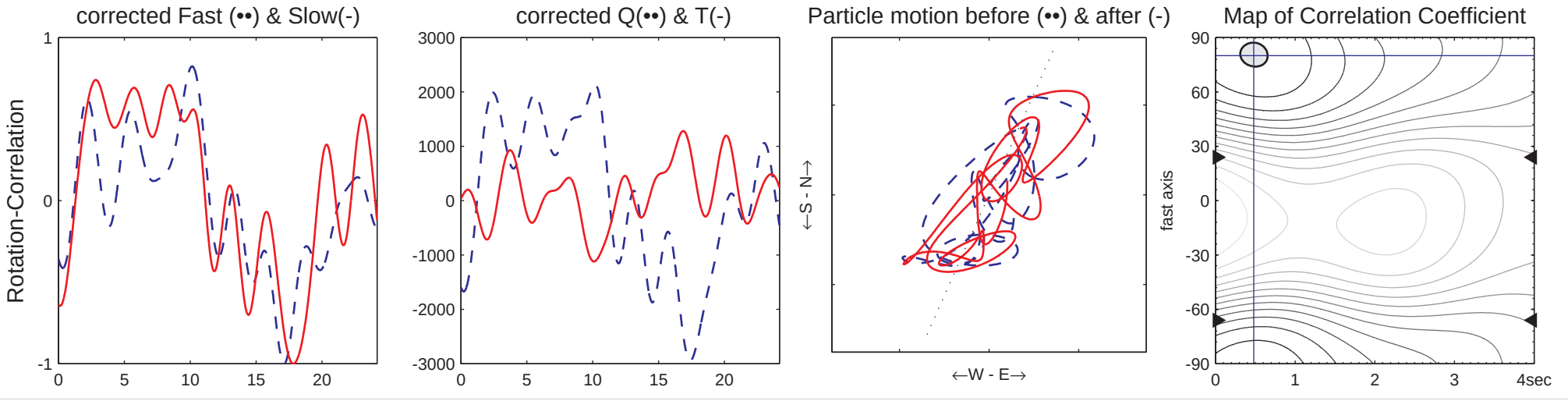


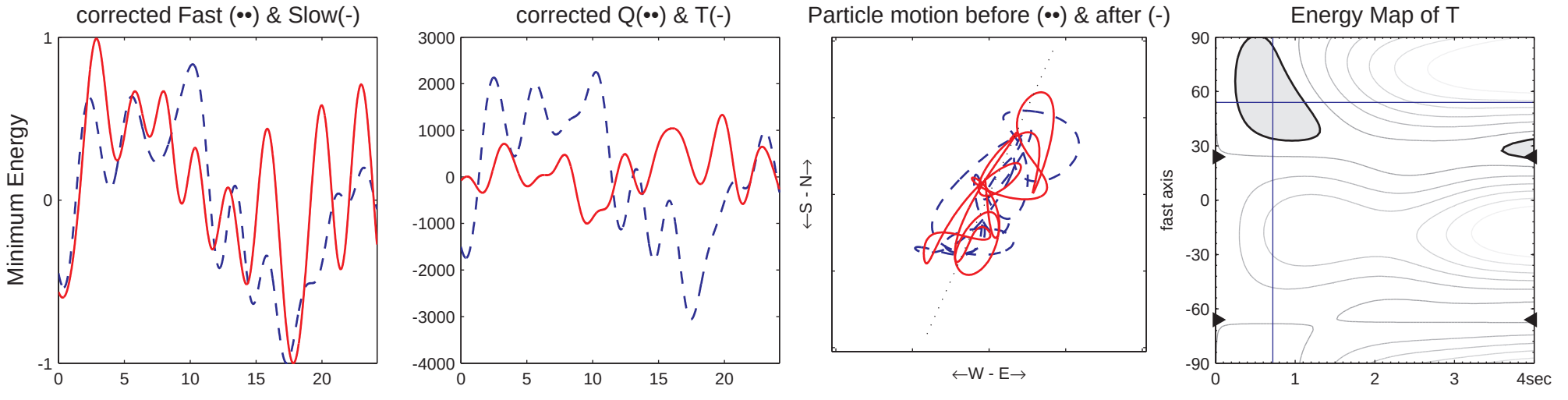
Event: **05-Jan-2010 (005) 04:55 -58.17N -14.70E 13km Mw=6.8**
Station: **SULT** Backazimuth: **204.0”** Distance: **104.43”**
init.Pol.: **35.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **2.9**

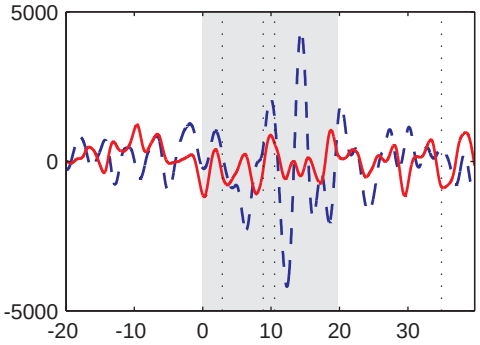
Rotation Correlation:	74<	80° <	87	0.3<0.5s<0.6
Minimum Energy:	33<	54° <	-92	0.2<0.7s<1.3
Eigenvalue:	46<	72° <	-74	0.2<0.6s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





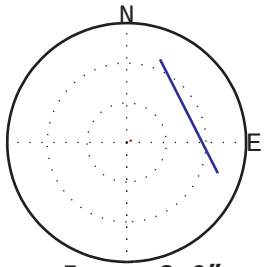




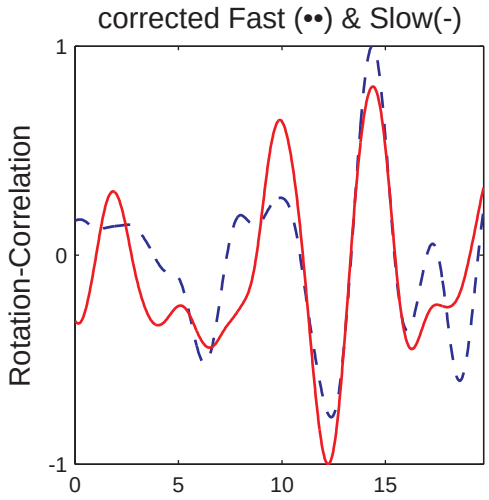
Event: **10-Jul-2010 (191) 11:43 11.14N 146.00E 13km Mw=6.3**
Station: **SULT** Backazimuth: **67.0”** Distance: **100.10”**
init.Pol.: **233.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.5**

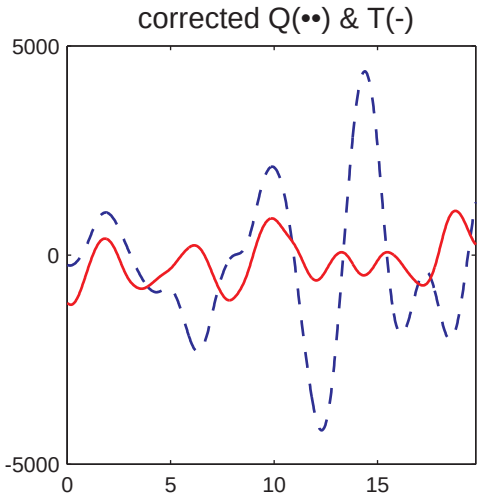
Rotation Correlation:	-79<	-71° <	-65	0.0<0.0s<0.1
Minimum Energy:	62<	67° <	72	0.5<4.0s<4.0
Eigenvalue:	-35<	-27° <	-23	3.7<4.0s<4.0

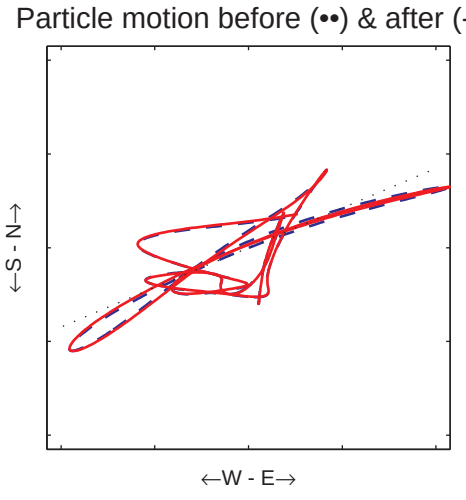
Quality: **good** IsNull: **Yes** Phase: **SKS**

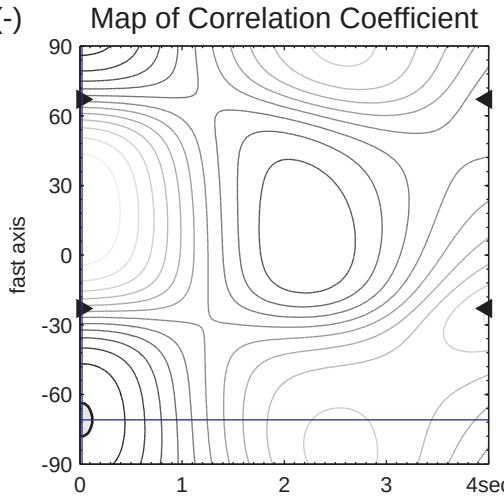


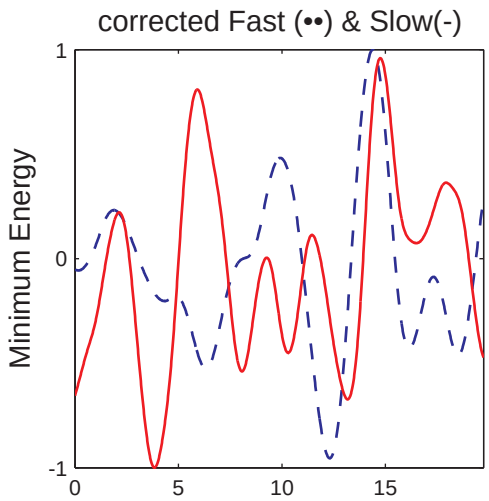
Inc = **8.6”**

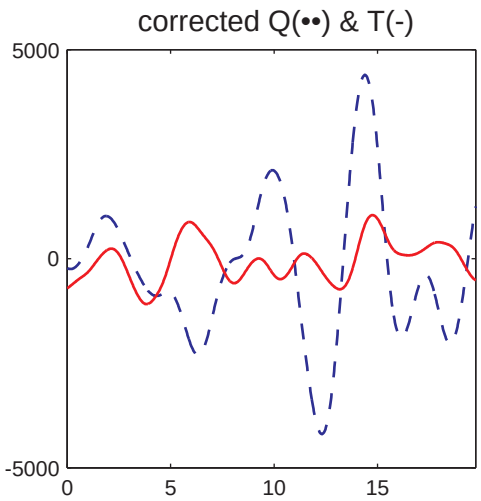


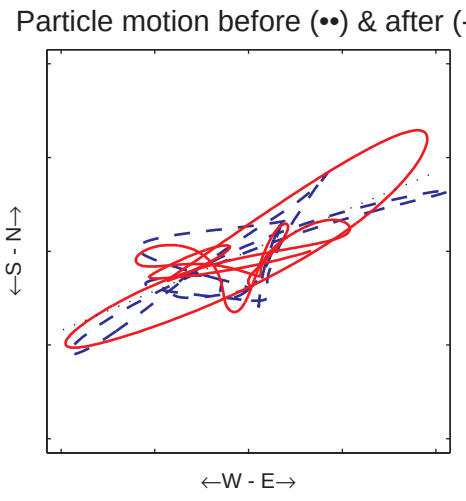


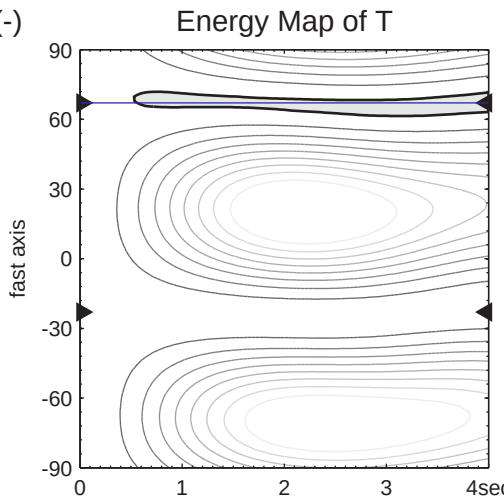


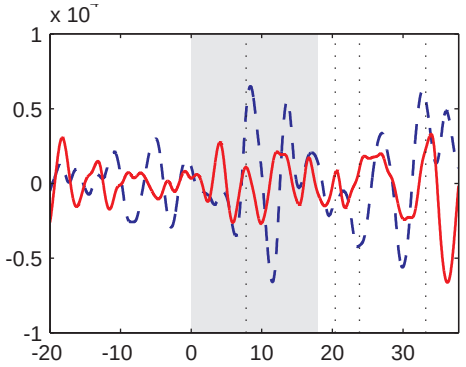








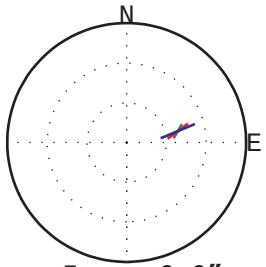


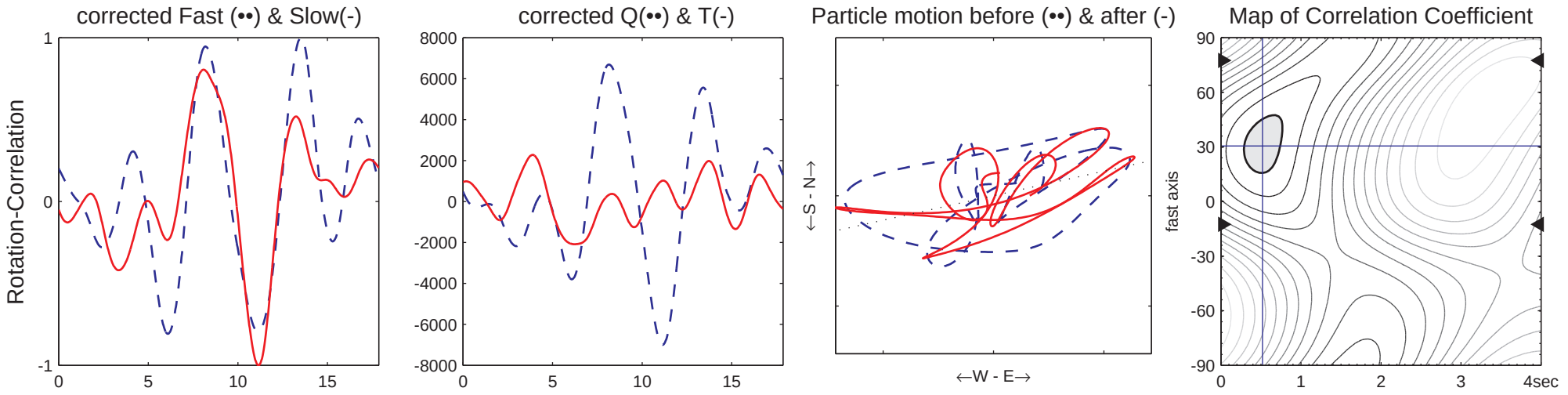


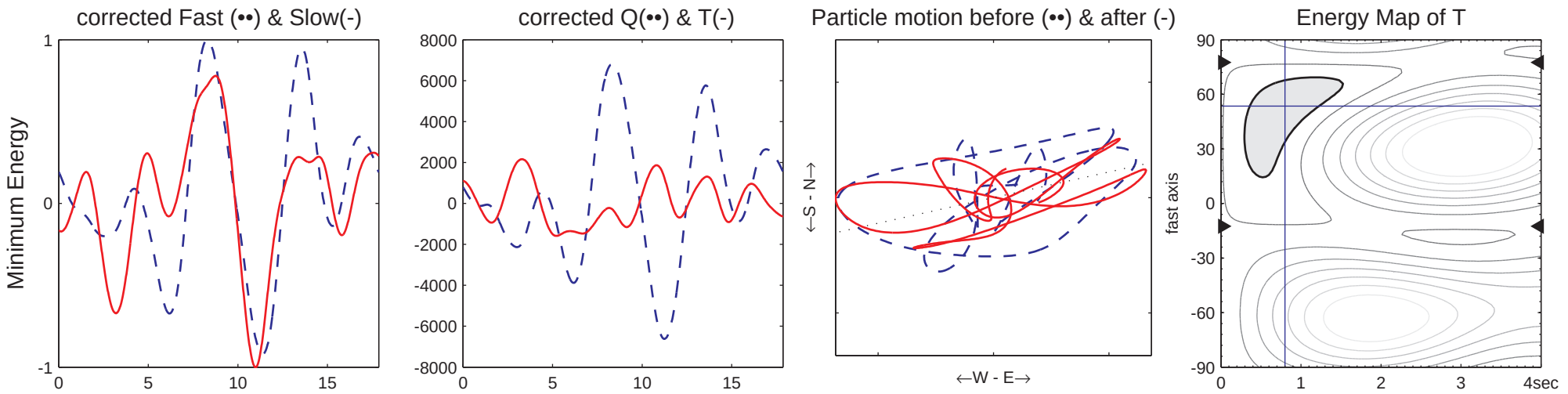
Event: **18-Jul-2010 (199) 13:04 -5.97N 150.43E 28km Mw=6.9**
Station: **SULT** Backazimuth: **77.5”** Distance: **114.71”**
init.Pol.: **268.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.3**

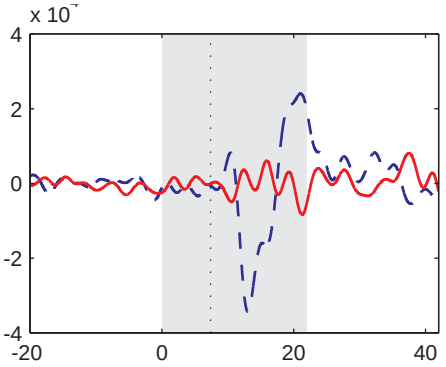
Rotation Correlation:	16<	30° <	48	0.3<0.5s<0.8
Minimum Energy:	15<	53° <	70	0.3<0.8s<1.5
Eigenvalue:	9<	67° <	86	0.4<1.2s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





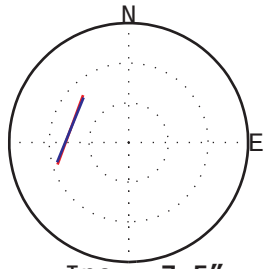


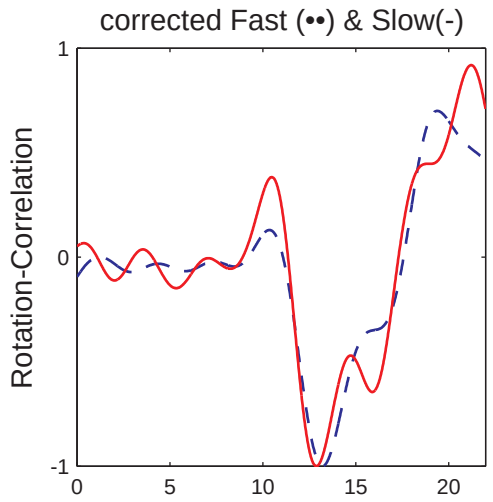


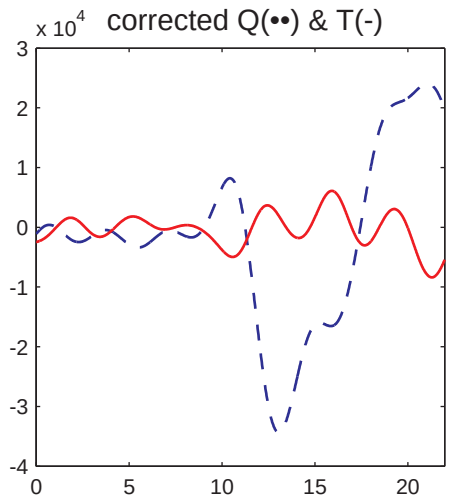
Event: **12-Aug-2010 (224) 11:54 -1.27N -77.31E 206km Mw=7.1**
Station: **SULT** Backazimuth: **282.2”** Distance: **107.03”**
init.Pol.: **106.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.0**

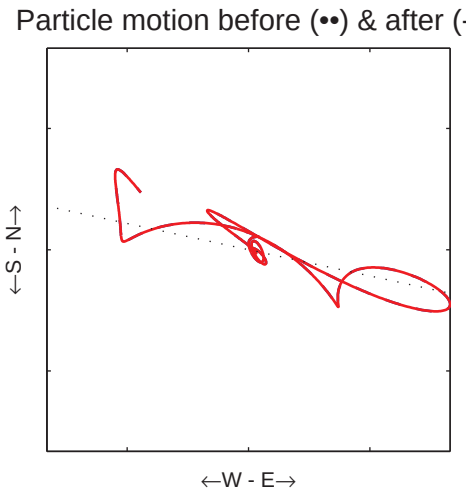
Rotation Correlation:	51<	63° <	77	0.0<0.0s<0.2
Minimum Energy:	15<	20° <	25	1.5<2.3s<3.8
Eigenvalue:	17<	22° <	27	1.2<2.2s<3.4

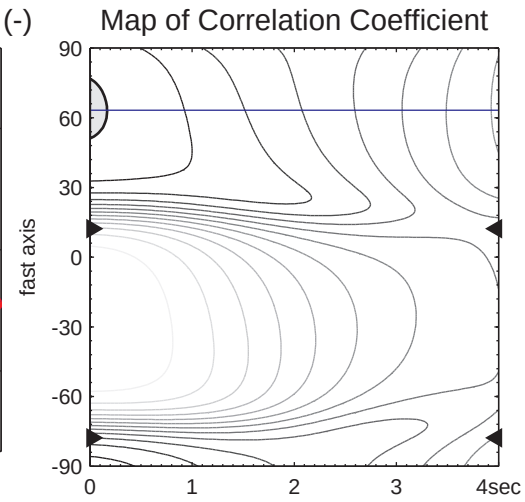
Quality: **good** IsNull: **Yes** Phase: **SKS**

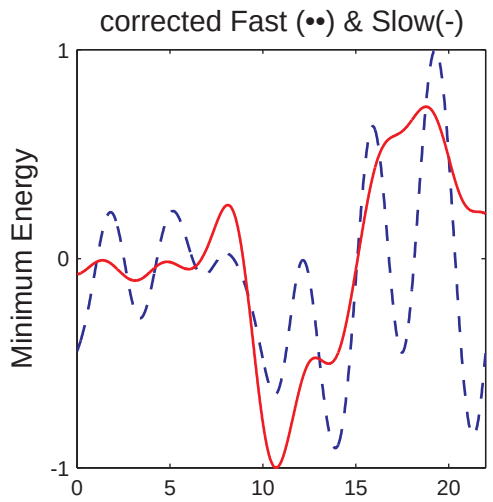


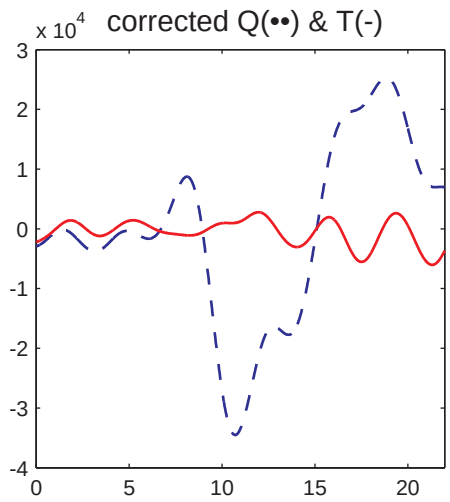


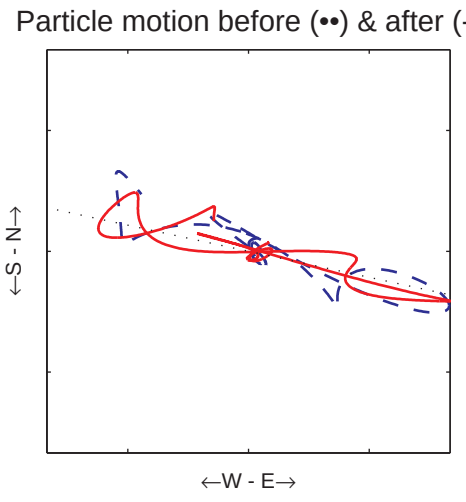


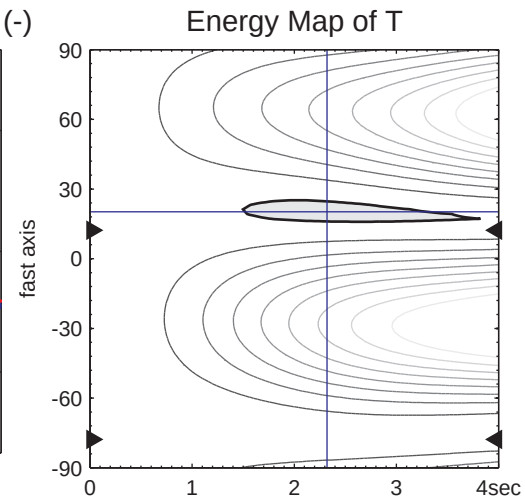


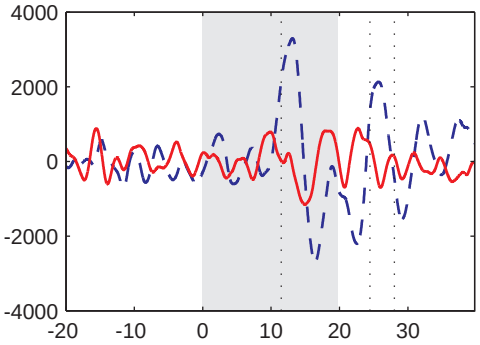








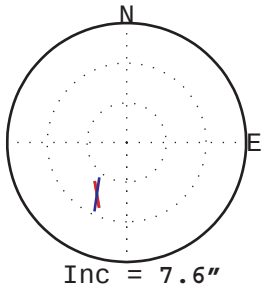


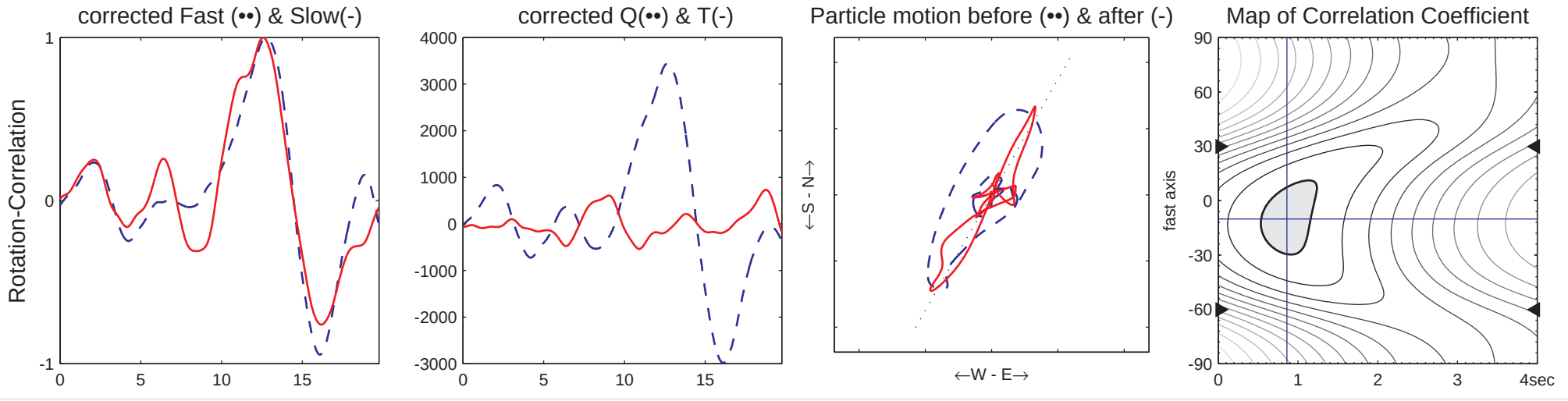


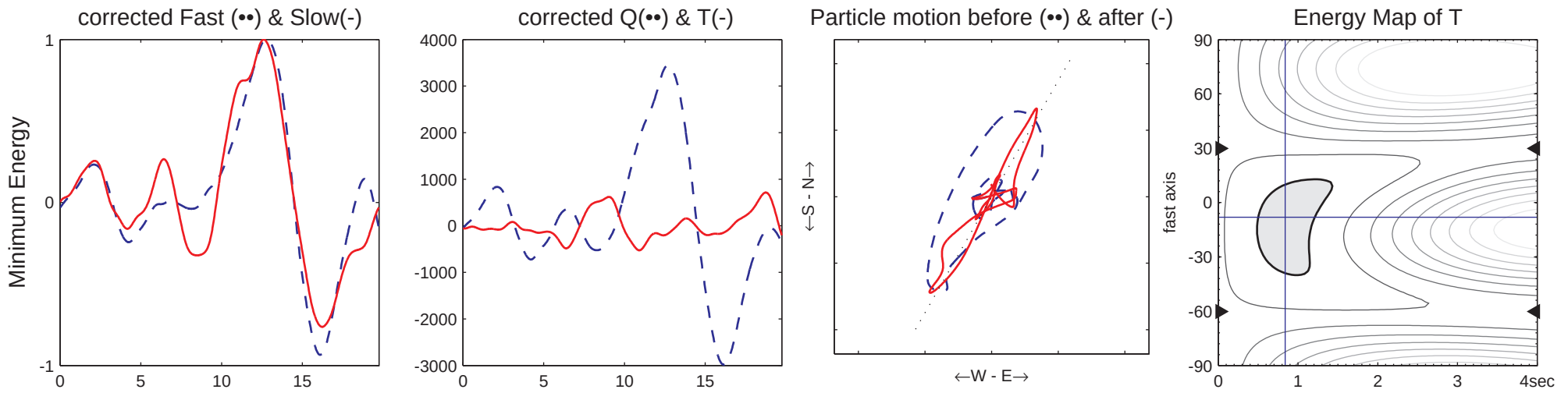
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **SULT** Backazimuth: **209.8”** Distance: **107.03”**
init.Pol.: **36.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.9**

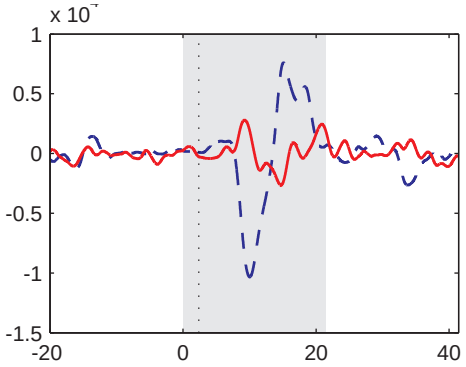
Rotation Correlation:	-31<	-10° <	11	0.5<0.9s<1.2
Minimum Energy:	-41<	-8° <	11	0.5<0.8s<1.4
Eigenvalue:	-35<	8° <	27	0.6<1.1s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





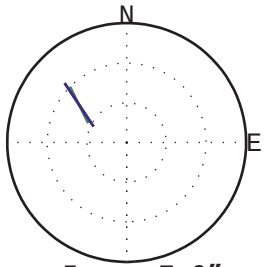


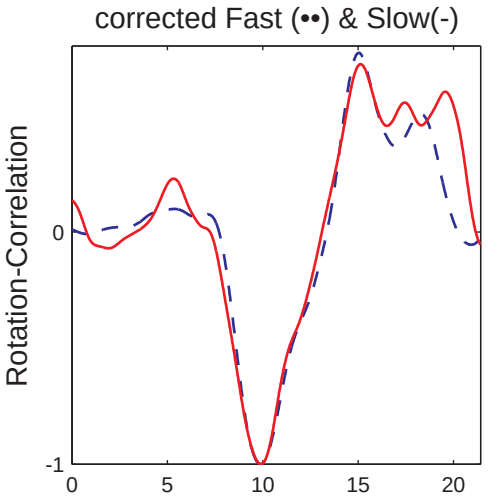


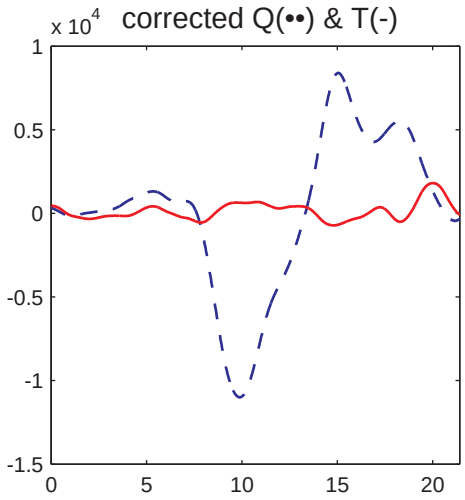
Event: **07-Apr-2011 (097) 13:11 17.21N -94.34E 166km Mw=6.6**
Station: **SULT** Backazimuth: **308.3”** Distance: **106.12”**
init.Pol.: **128.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**12.7**

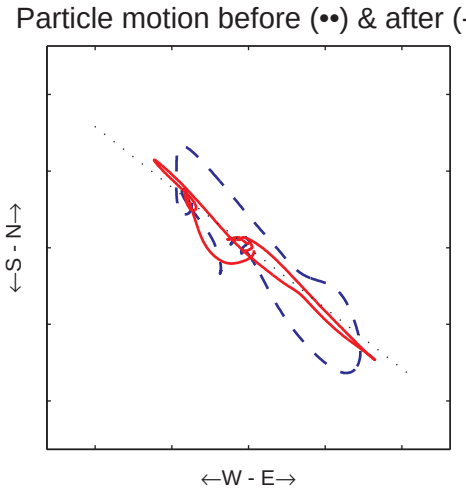
Rotation Correlation:	-36<	-27° < 3	0.5<1.3s<1.8
Minimum Energy:	-39<	-34° < -29	1.2<1.6s<2.1
Eigenvalue:	-41<	-34° < -27	1.2<1.6s<2.1

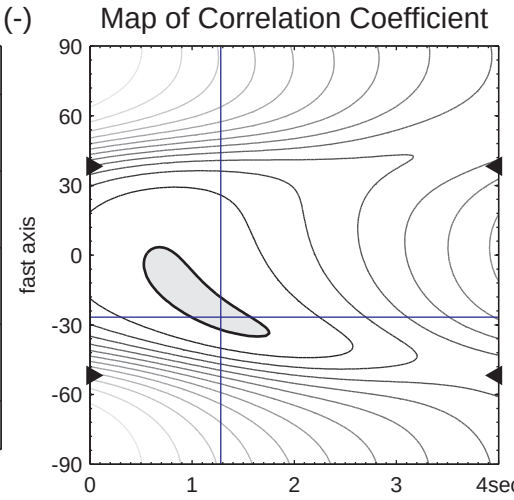
Quality: **fair** IsNull: **No** Phase: **SKS**

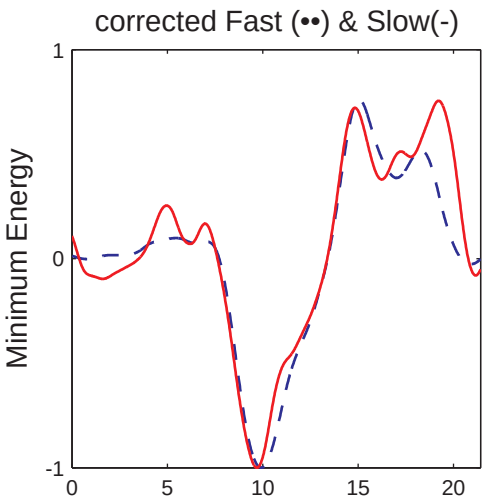


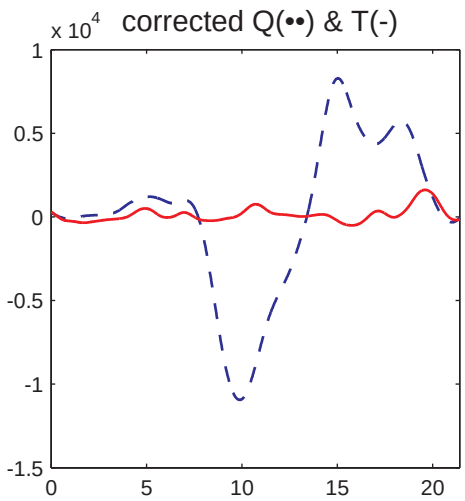


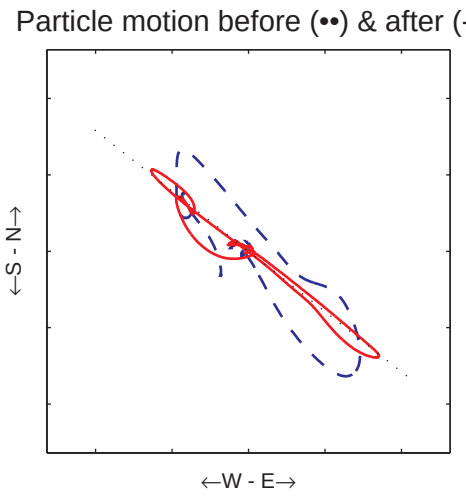


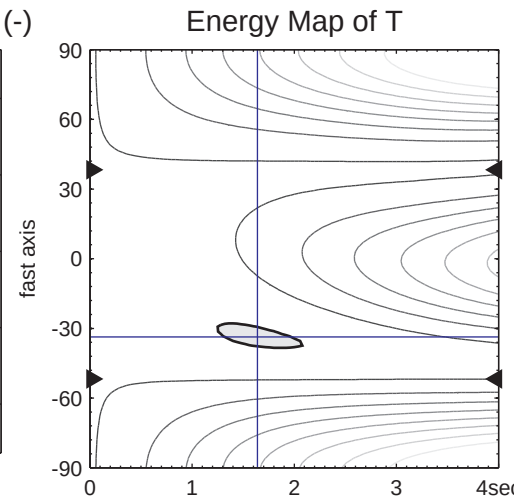


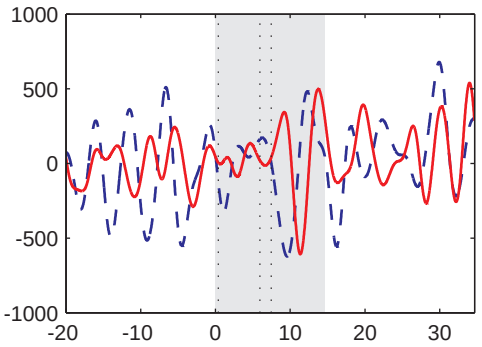








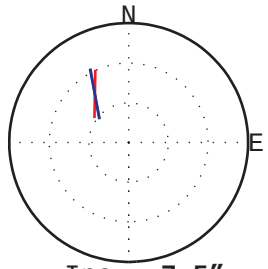


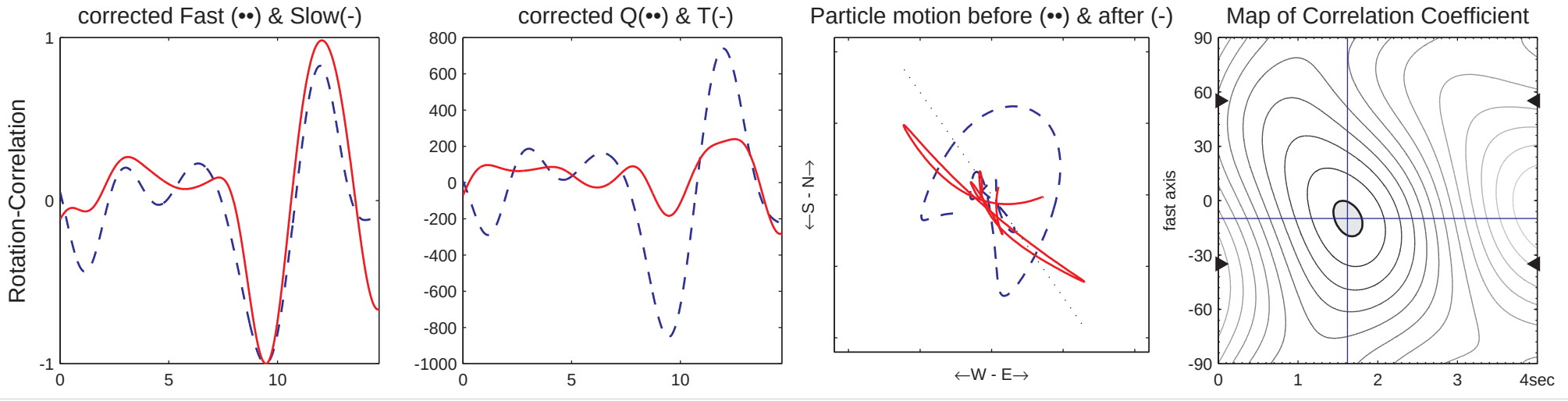


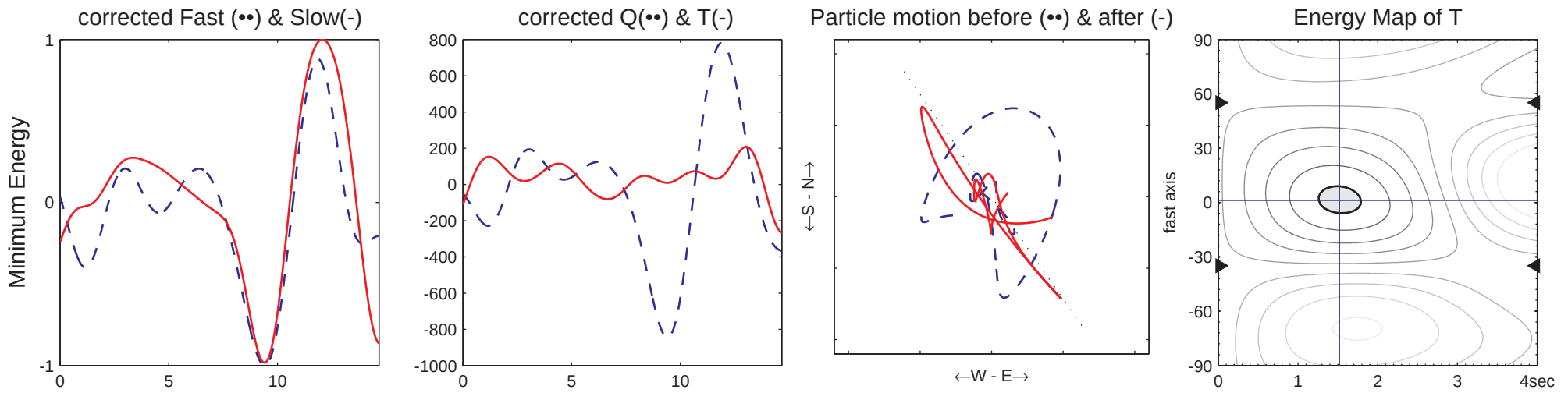
Event: **26-Jul-2011 (207) 17:44 25.10N -109.53E 12km Mw=6.0**
Station: **SULT** Backazimuth: **325.1”** Distance: **107.84”**
init.Pol.: **130.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

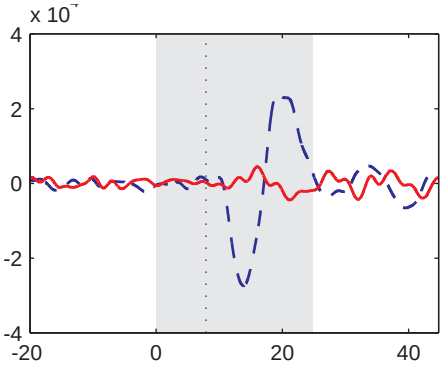
Rotation Correlation:	-21<	-10° <	-2	1.4<1.6s<1.8
Minimum Energy:	-5<	1° <	9	1.2<1.5s<1.8
Eigenvalue:	-25<	-11° <	1	1.4<1.6s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





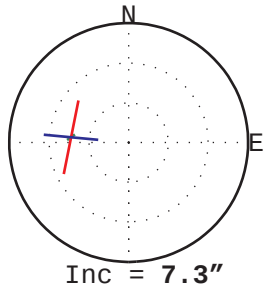


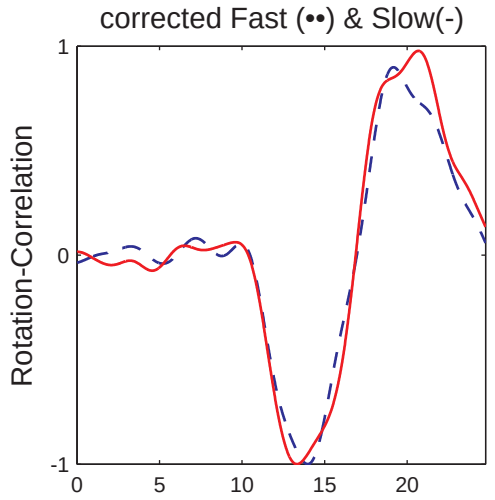


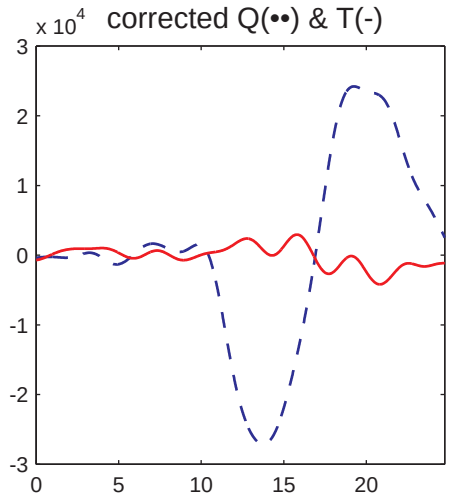
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **SULT** Backazimuth: **275.2”** Distance: **108.87”**
init.Pol.: **101.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.1**

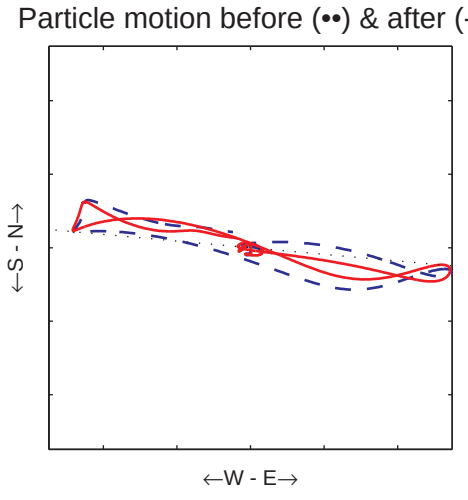
Rotation Correlation:	39<	55° <	72	0.1<0.3s<0.5
Minimum Energy:	7<	11° <	15	1.2<2.4s<4.0
Eigenvalue:	78<	-85° <	-84	0.4<1.7s<2.5

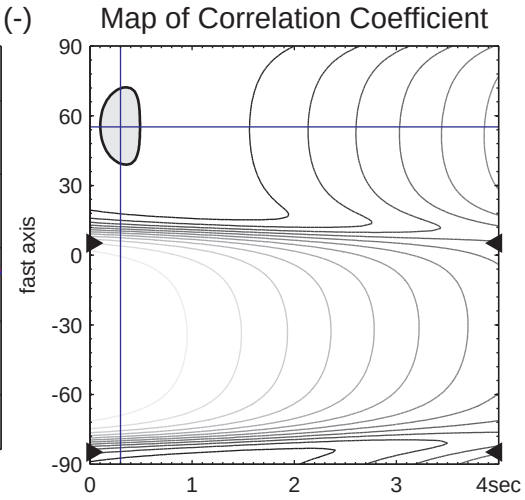
Quality: **good** IsNull: **Yes** Phase: **SKS**

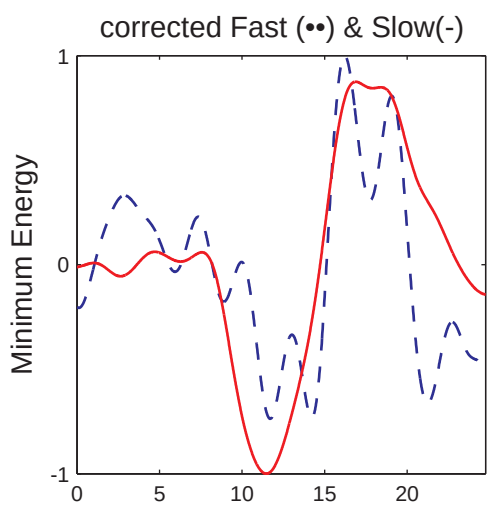


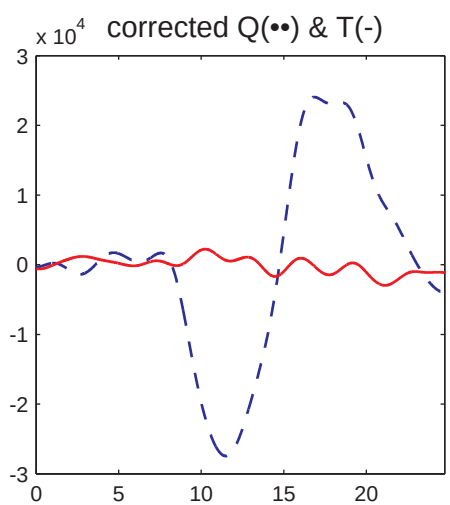


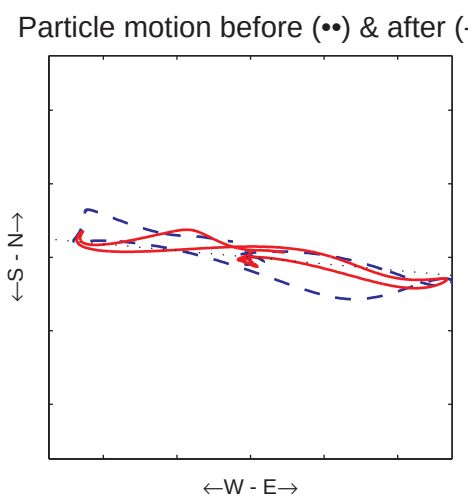


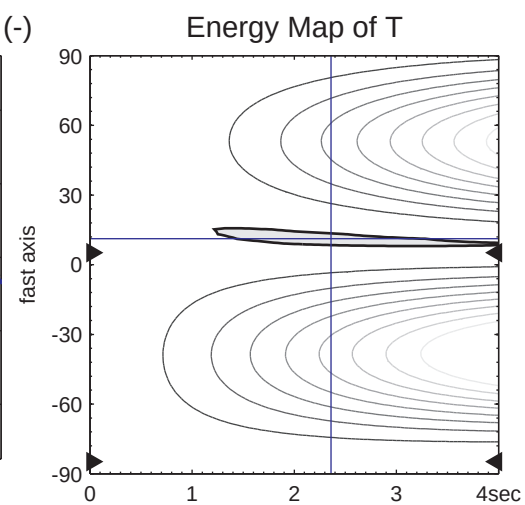


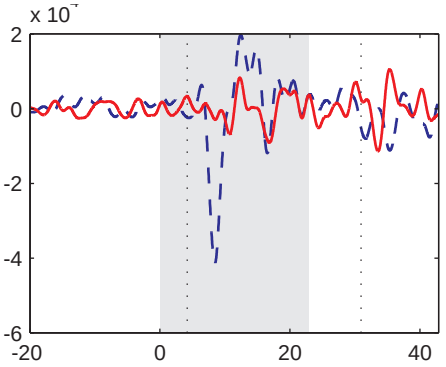








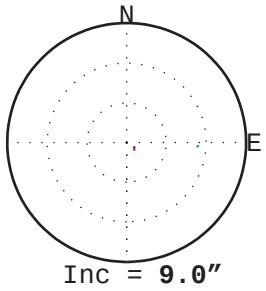


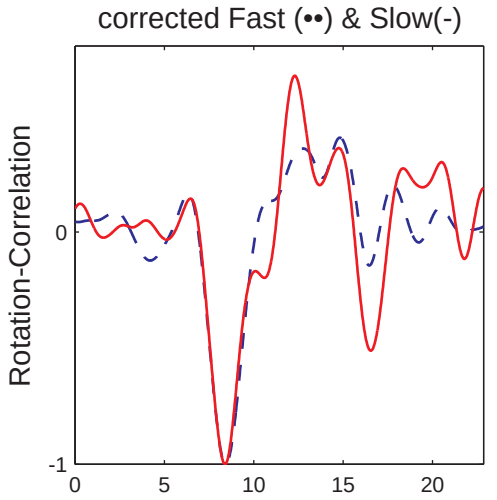


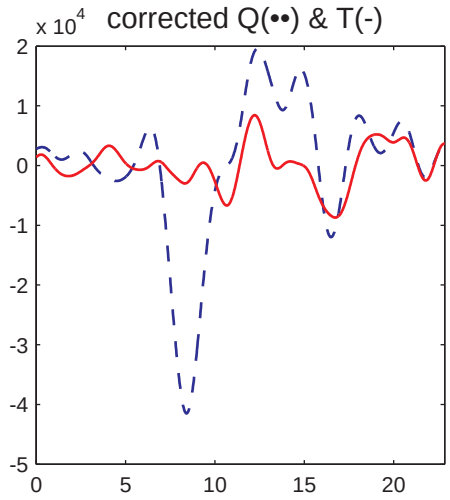
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **SULT** Backazimuth: **93.0”** Distance: **96.47”**
init.Pol.: **277.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.1**

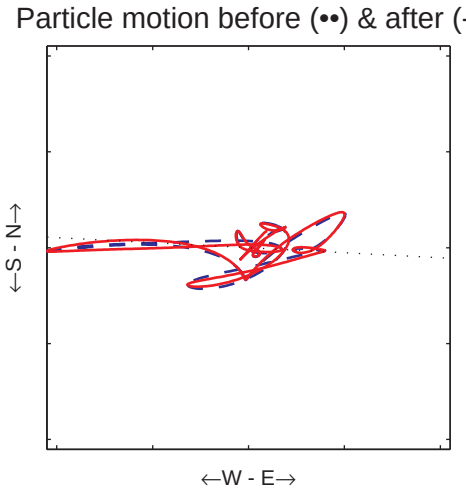
Rotation Correlation:	-59<	-50° < -42	0.0<0.1s<0.2
Minimum Energy:	84<	87° < -92	3.3<4.0s<4.0
Eigenvalue:	84<	89° < -88	3.4<4.0s<4.0

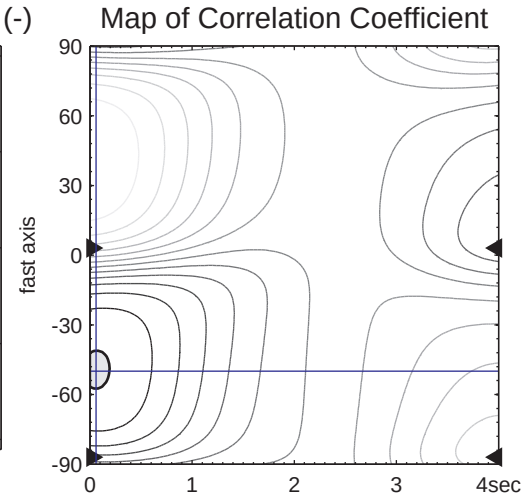
Quality: **good** IsNull: **Yes** Phase: **SKS**

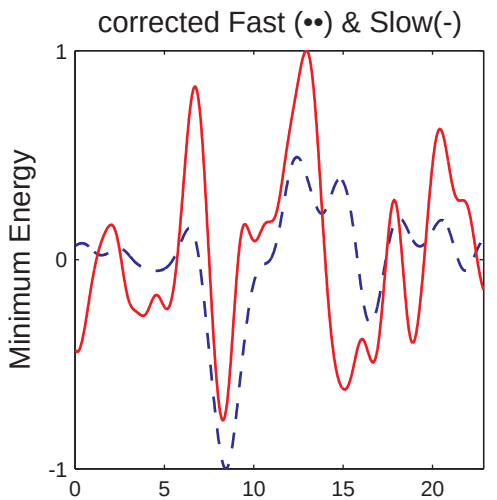


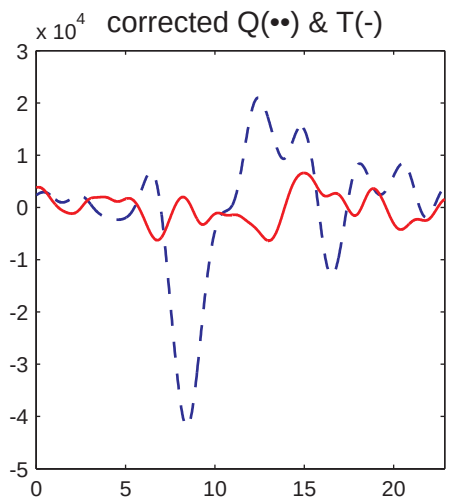


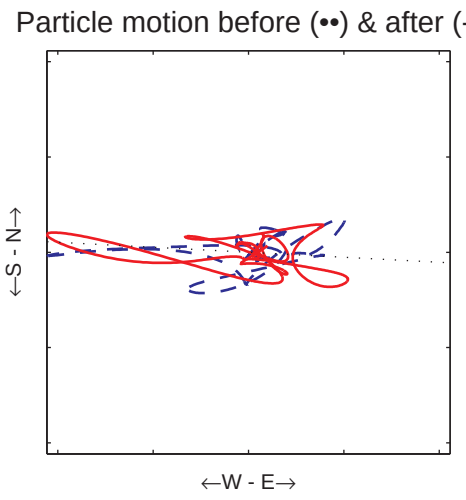


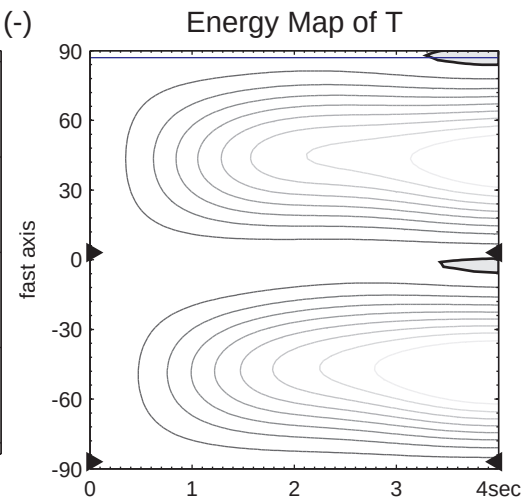


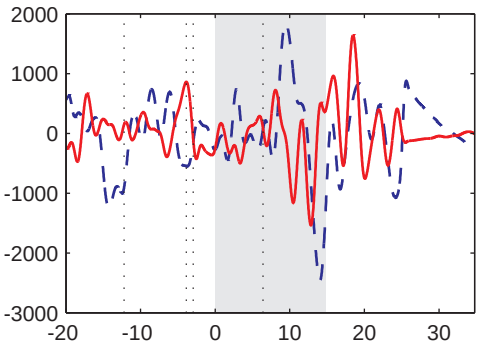








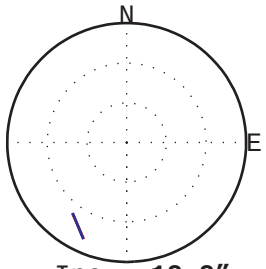




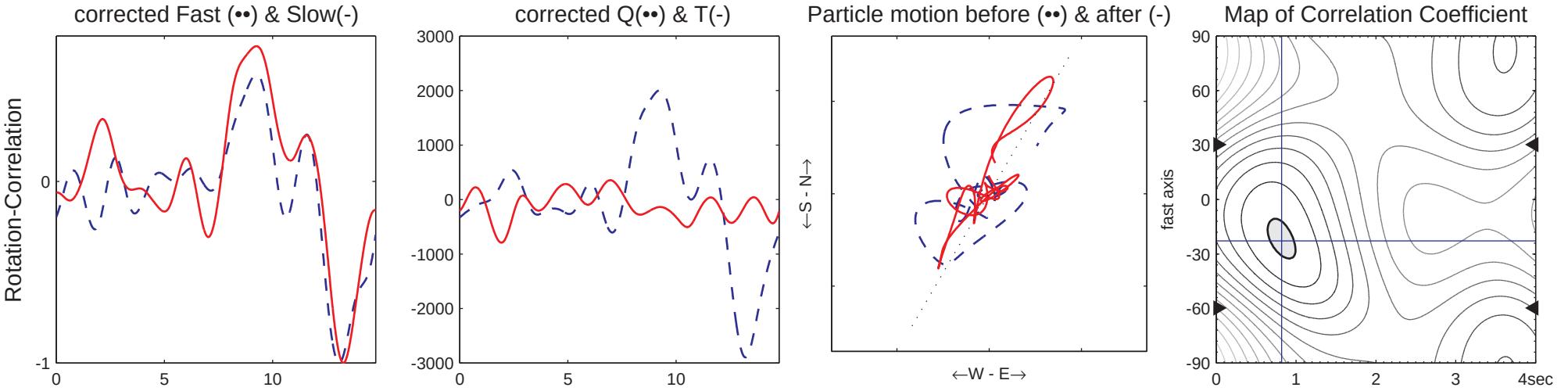
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **SULT** Backazimuth: **210.2”** Distance: **107.49”**
init.Pol.: **32.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

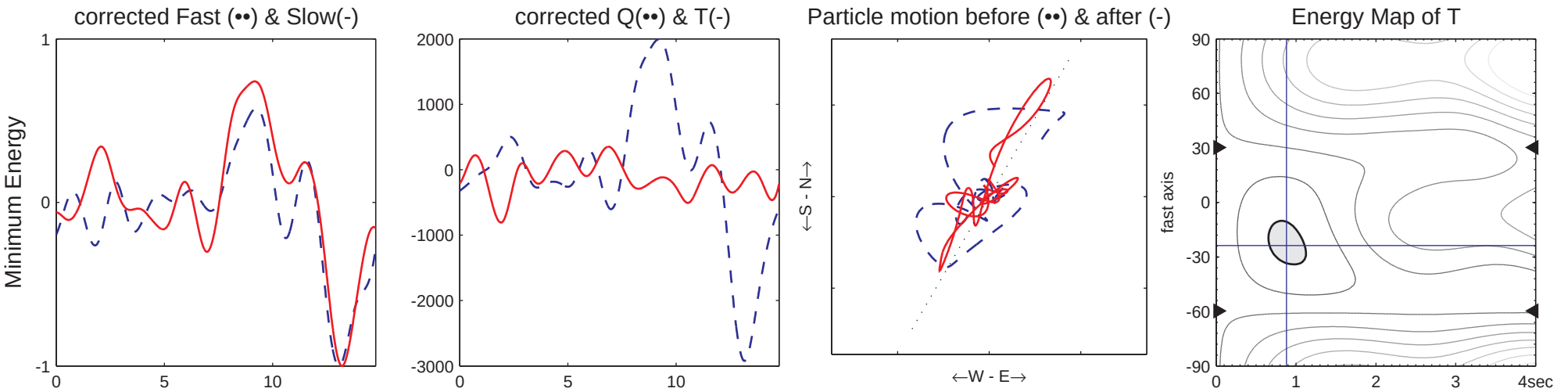
Rotation Correlation:	-34<	-23° <	-12 0.6<0.8s<1.0
Minimum Energy:	-35<	-24° <	-13 0.6<0.9s<1.1
Eigenvalue:	-37<	-22° <	-5 0.6<0.9s<1.1

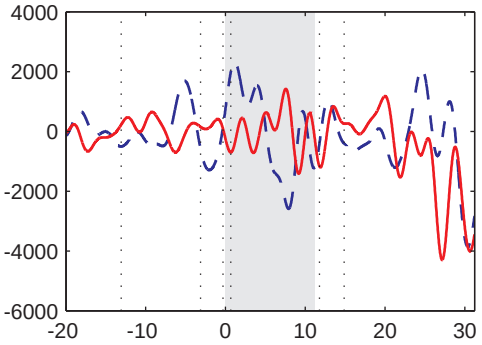
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.2”**



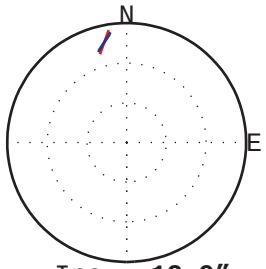




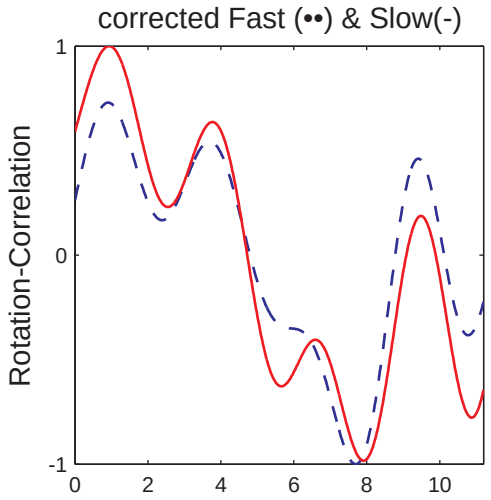
Event: **09-Sep-2011 (252) 19:41 49.53N -126.89E 22km Mw=6.4**
Station: **SULT** Backazimuth: **347.4”** Distance: **90.57”**
init.Pol.: **178.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.5**

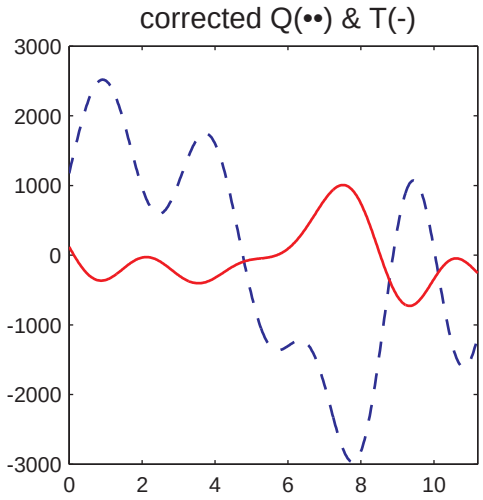
Rotation Correlation:	23<	34° <	51	0.4<0.6s<0.8
Minimum Energy:	9<	19° <	31	0.6<0.8s<1.1
Eigenvalue:	19<	31° <	46	0.5<0.7s<0.9

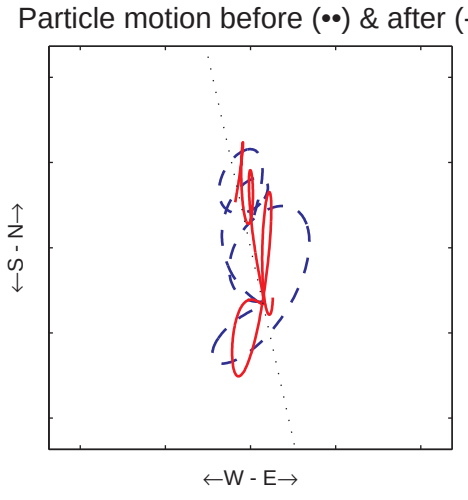
Quality: **fair** IsNull: **No** Phase: **SKKS**

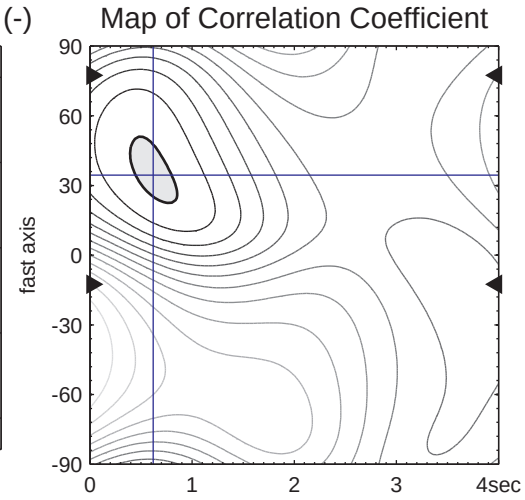


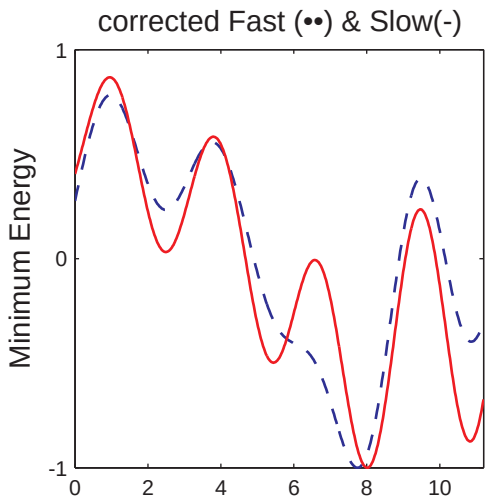
Inc = **12.9”**

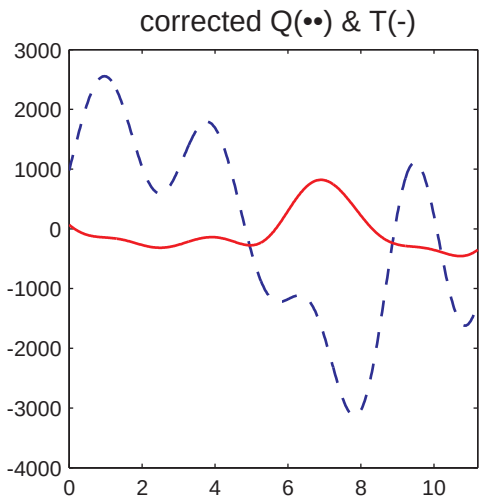


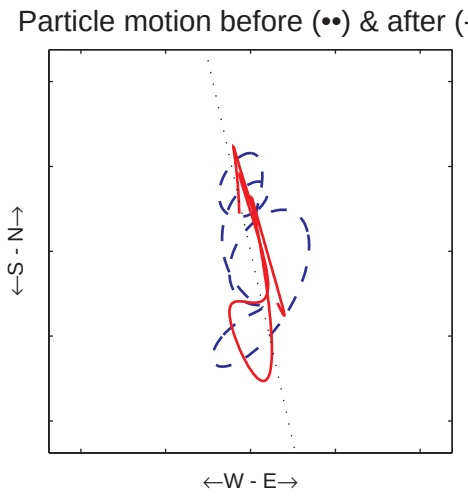


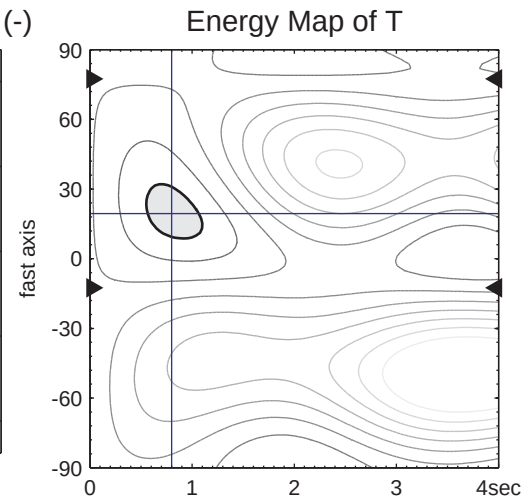


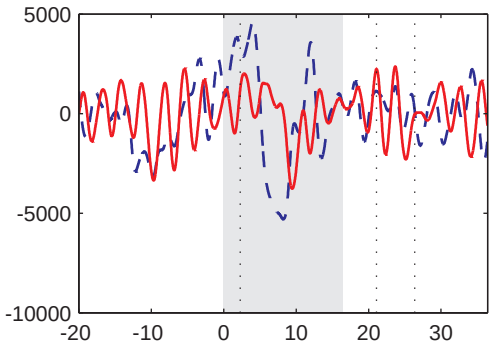








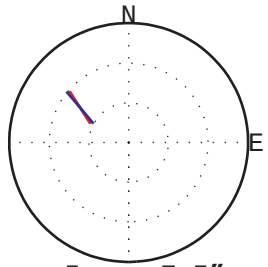


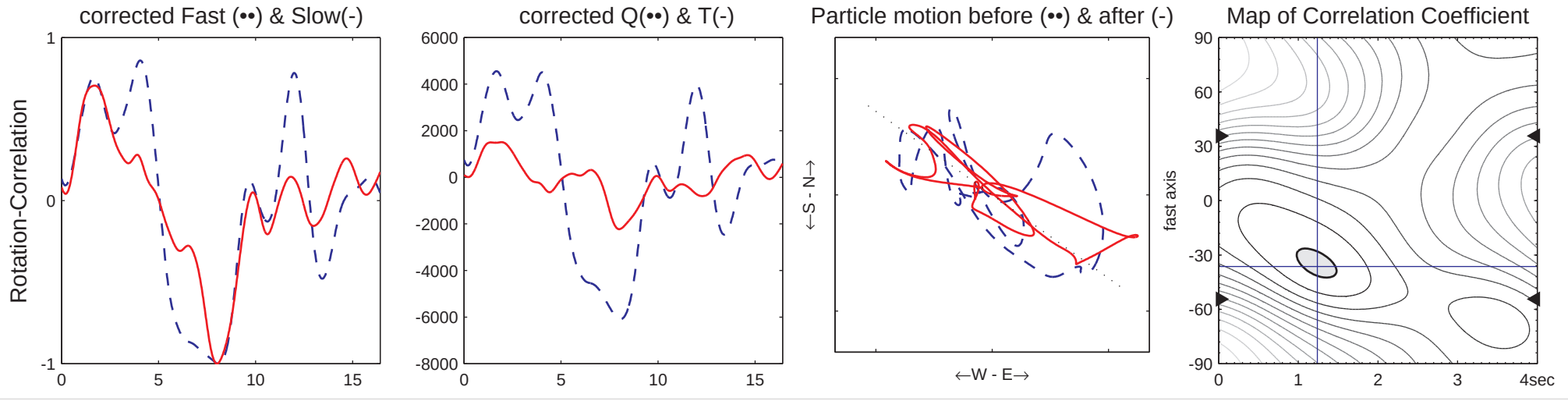


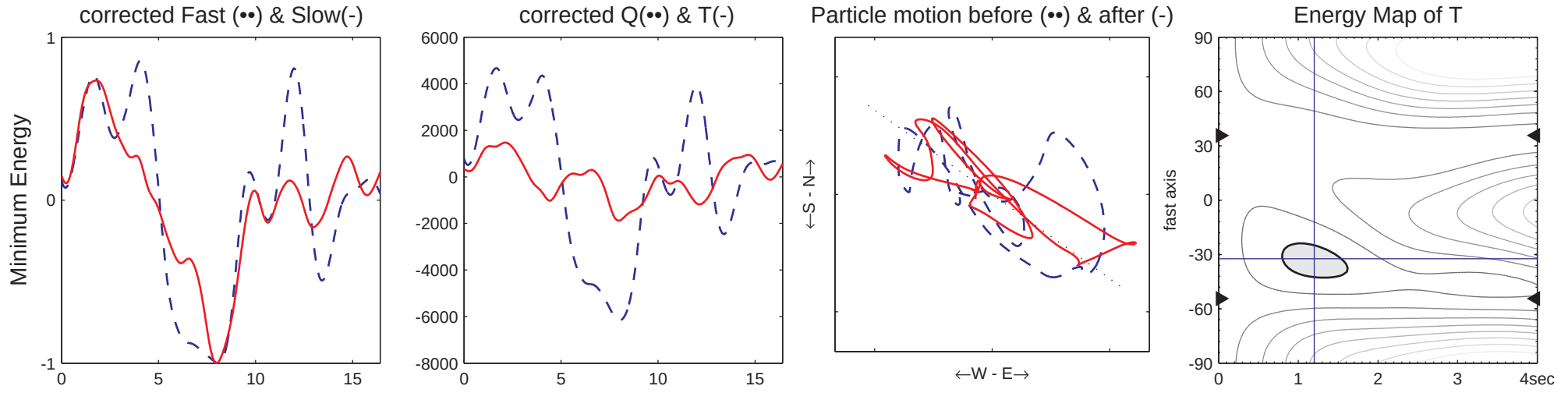
Event: **21-Jan-2012 (021) 18:47 14.87N -93.00E 45km Mw=6.2**
Station: **SULT** Backazimuth: **305.7”** Distance: **107.05”**
init.Pol.: **115.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.6**

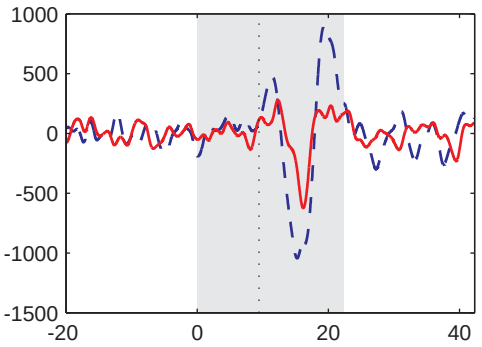
Rotation Correlation:	-44< **-36°** < -28	1.0<1.2s<1.5
Minimum Energy:	-46< **-32°** < -25	0.8<1.2s<1.6
Eigenvalue:	-54< **-40°** < -33	1.0<1.3s<1.7

Quality: **good** IsNull: **No** Phase: **SKS**





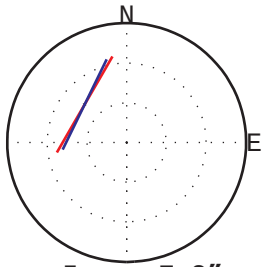


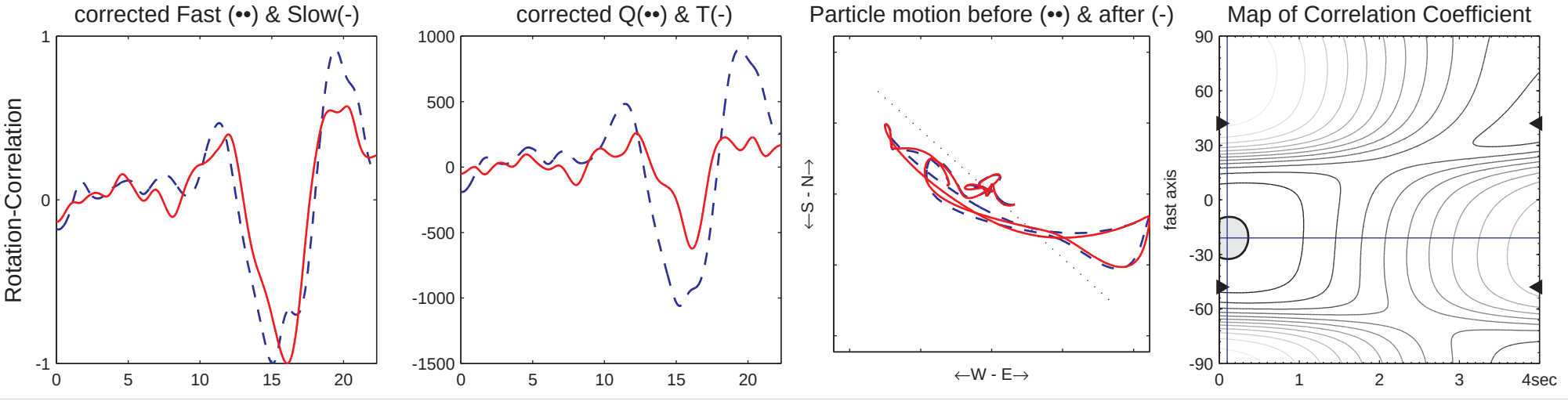


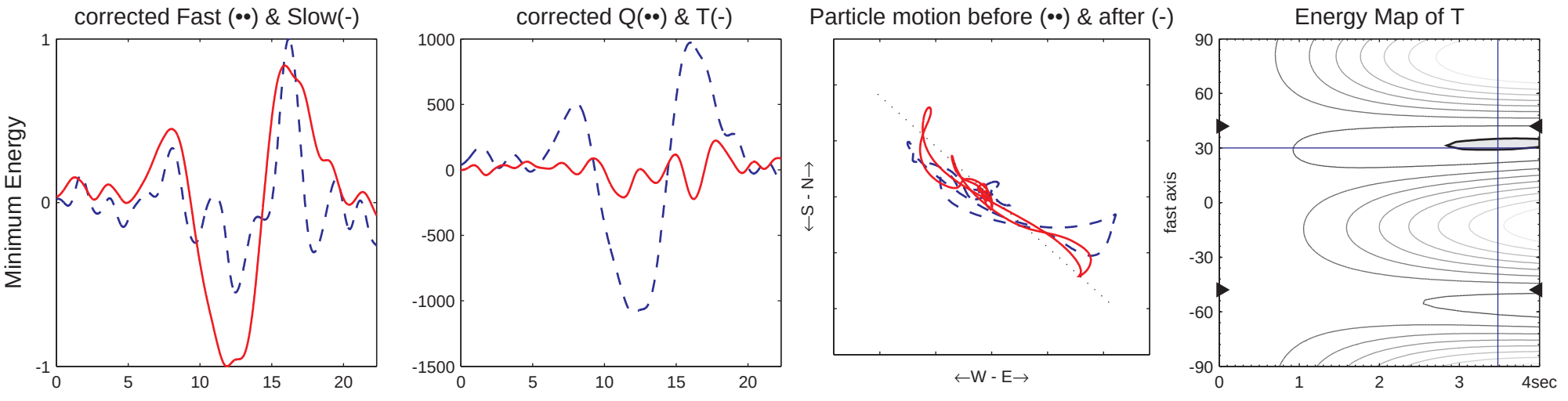
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **SVRC** Backazimuth: **312.0”** Distance: **109.94”**
init.Pol.: **123.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.2**

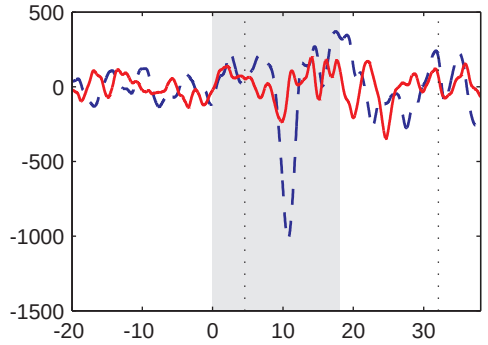
Rotation Correlation:	-34<	-21° < -11	0.0<0.1s<0.4
Minimum Energy:	29<	30° < 35	2.8<3.5s<4.0
Eigenvalue:	21<	26° < 33	1.7<3.2s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





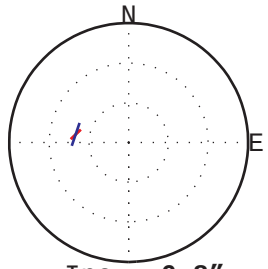


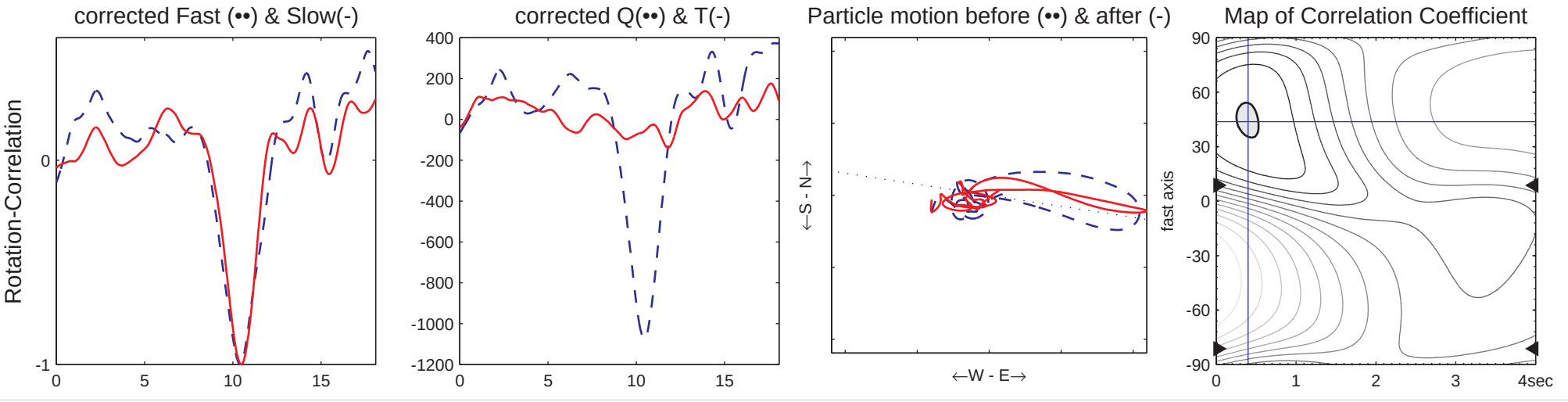


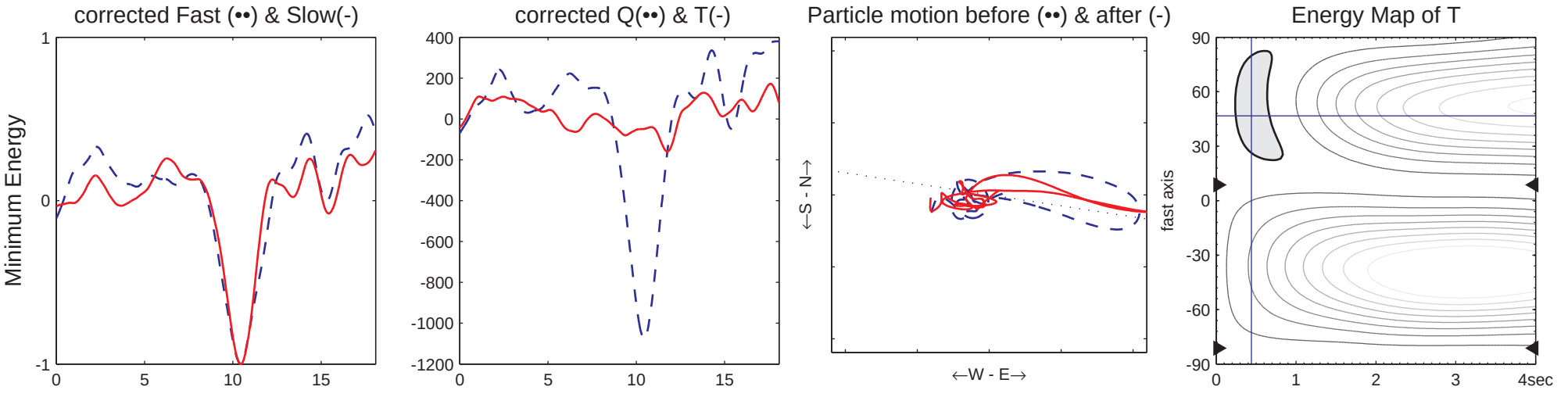
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **SVRC** Backazimuth: **278.7”** Distance: **113.45”**
init.Pol.: **87.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.4**

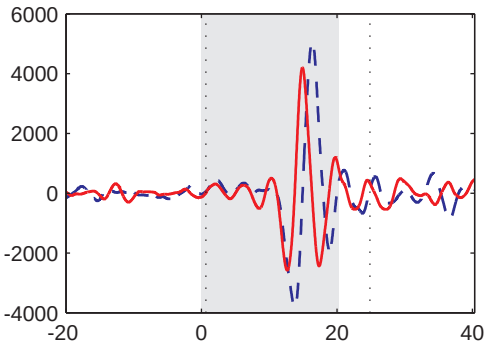
Rotation Correlation:	35<	44° <	54	0.2<0.4s<0.5
Minimum Energy:	23<	47° <	82	0.2<0.4s<0.8
Eigenvalue:	9<	19° <	37	0.4<0.8s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





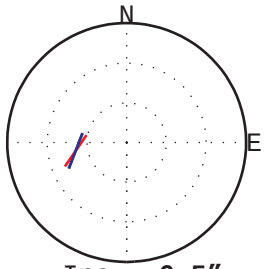


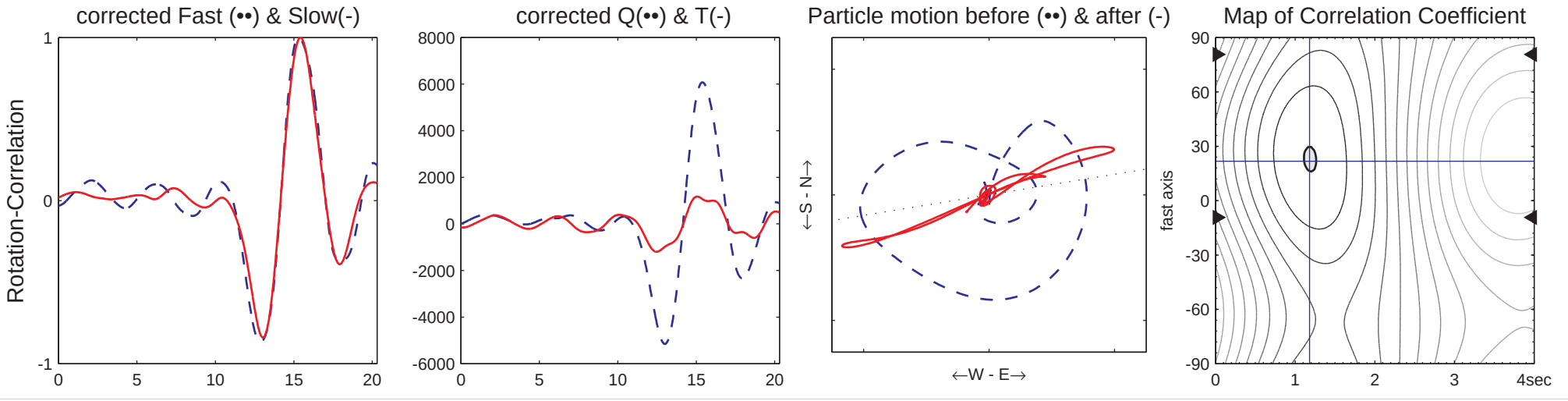


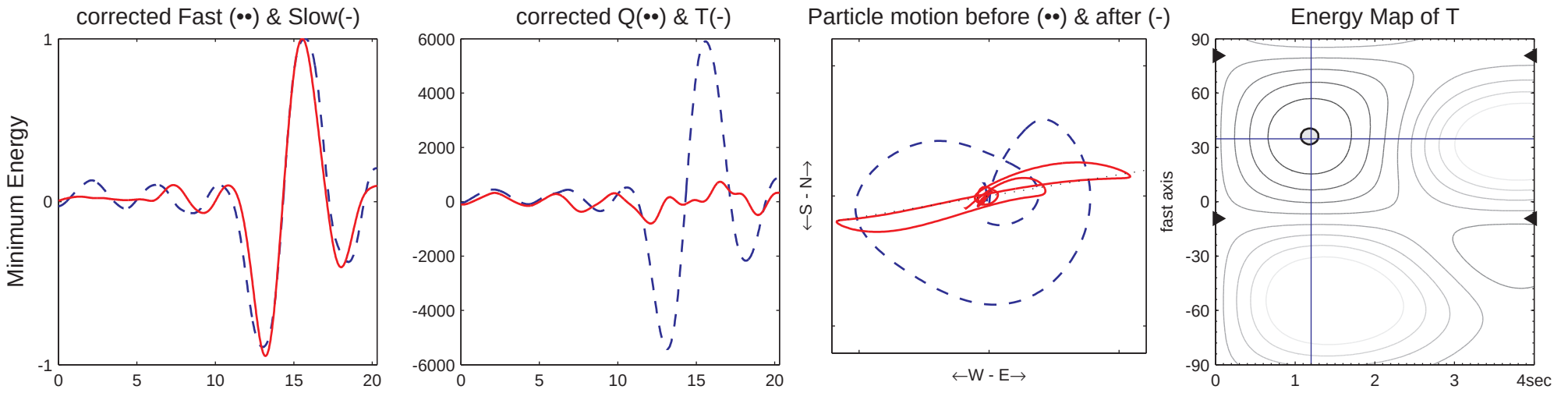
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **SVRC** Backazimuth: **260.7”** Distance: **115.09”**
init.Pol.: **67.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**10.0**

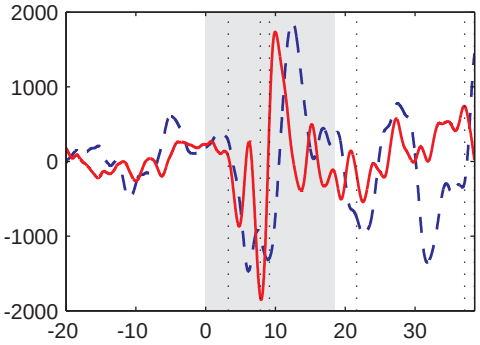
Rotation Correlation:	16<	22° <	30	1.1<1.2s<1.3
Minimum Energy:	31<	35° <	41	1.1<1.2s<1.3
Eigenvalue:	15<	21° <	27	1.1<1.2s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





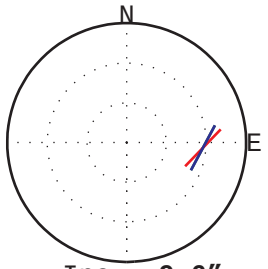


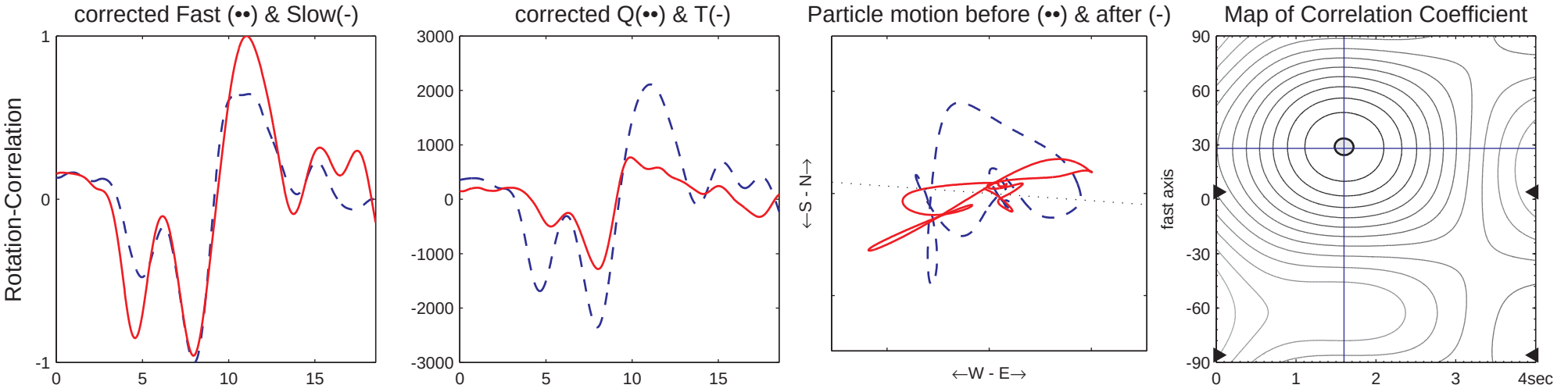


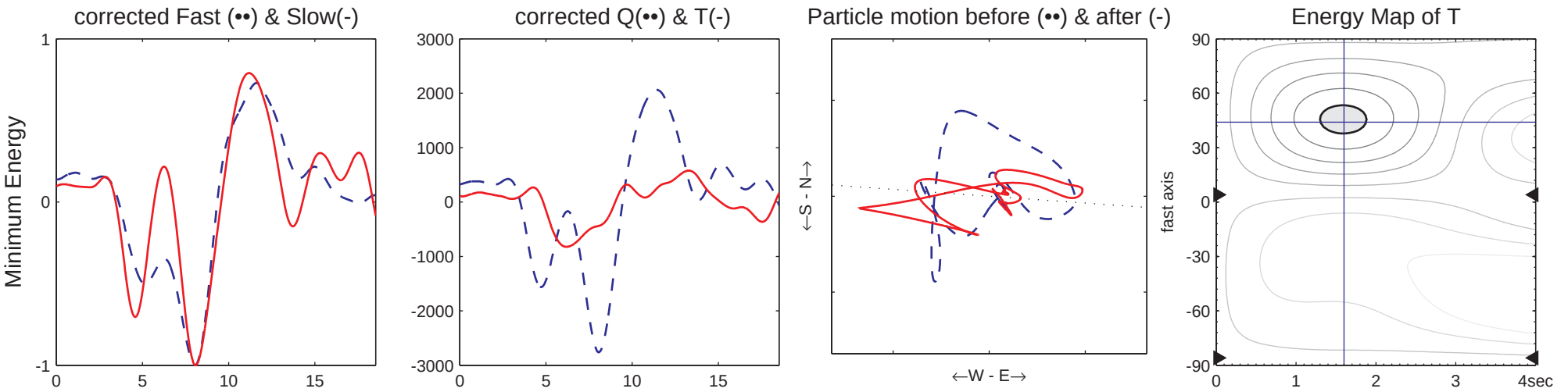
Event: **17-Aug-2007 (229) 03:04 -5.26N 129.43E 10km Mw=6.4**
Station: **SVRC** Backazimuth: **94.1”** Distance: **93.36”**
init.Pol.: **252.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.0**

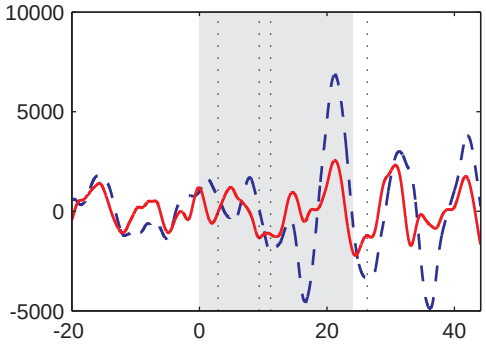
Rotation Correlation:	25<	28° <	34	1.5<1.6s<1.7
Minimum Energy:	37<	44° <	54	1.3<1.6s<1.9
Eigenvalue:	23<	28° <	35	1.4<1.6s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





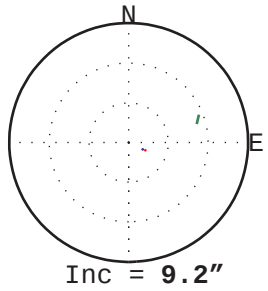


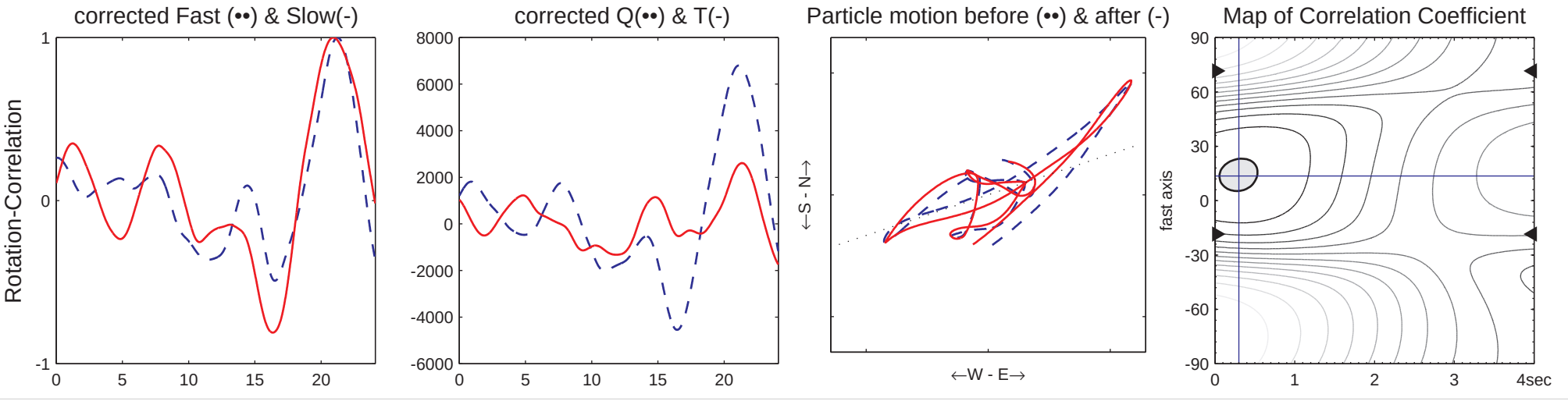


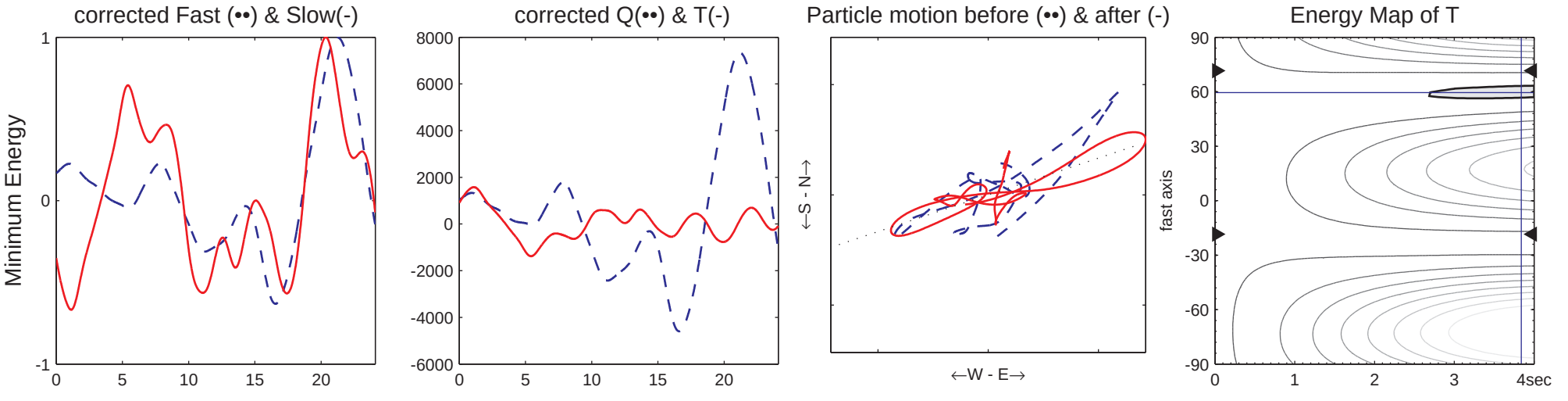
Event: **30-Sep-2007 (273) 02:08 10.46N 145.68E 14km Mw=7.1**
Station: **SVRC** Backazimuth: **71.6”** Distance: **96.00”**
init.Pol.: **254.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.6**

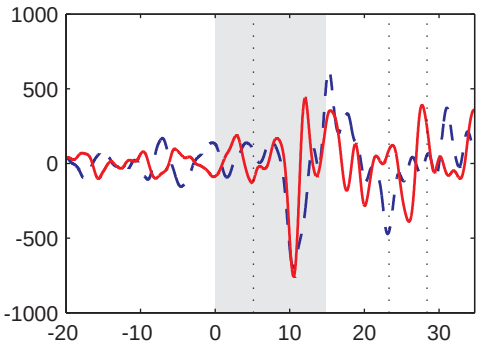
Rotation Correlation:	6<	14° <	24	0.0<0.3s<0.5
Minimum Energy:	56<	60° <	64	2.7<3.8s<4.0
Eigenvalue:	52<	62° <	68	2.1<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





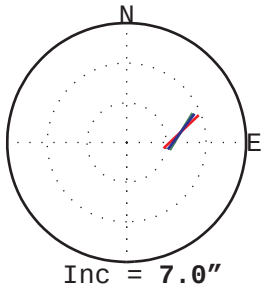


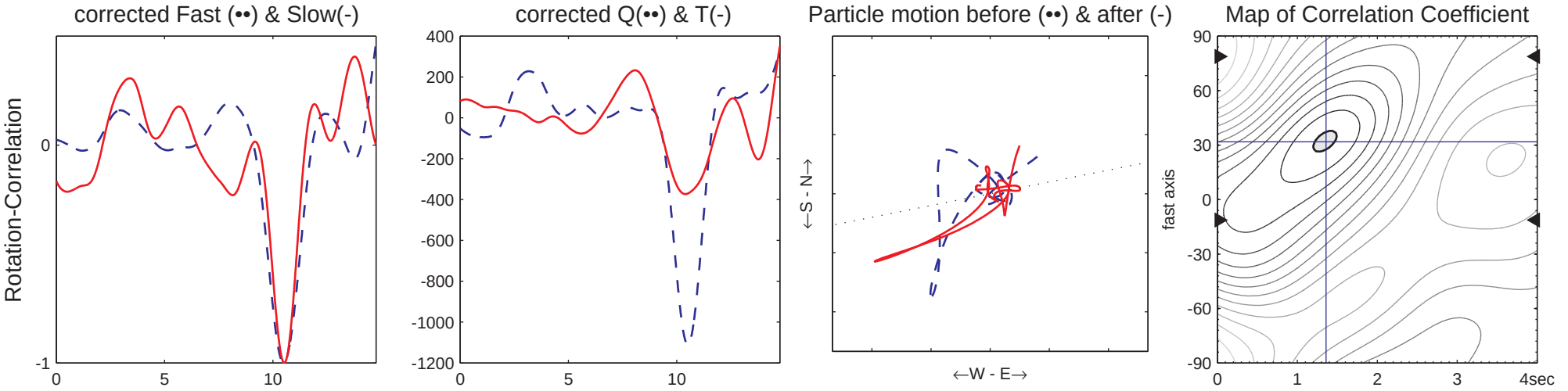


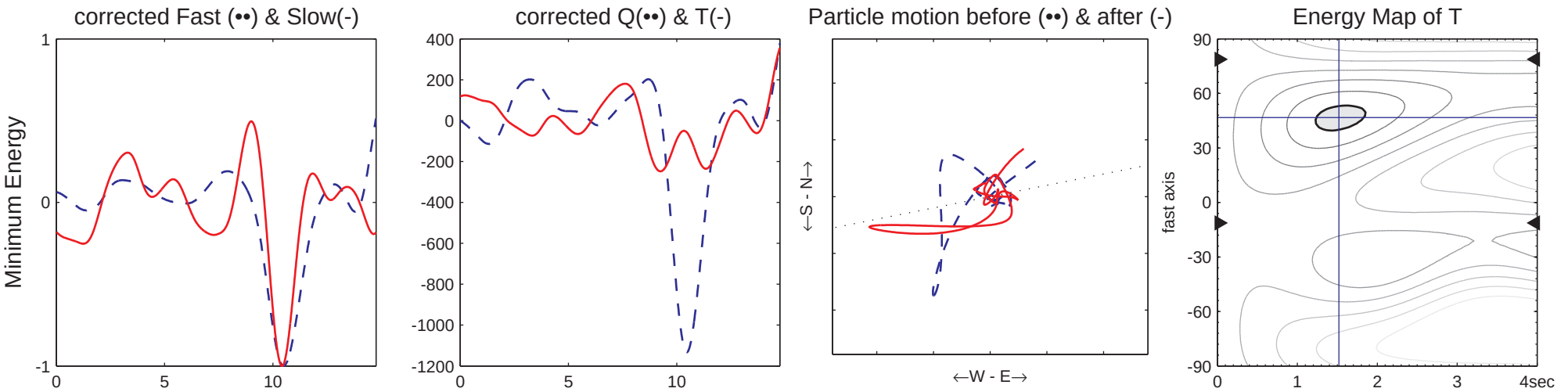
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **SVRC** Backazimuth: **78.7”** Distance: **111.35”**
init.Pol.: **241.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.8**

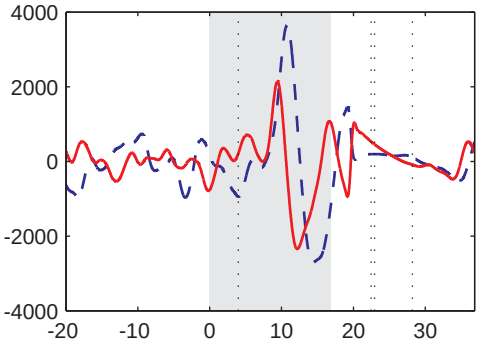
Rotation Correlation:	27<	32° <	38	1.2<1.4s<1.5
Minimum Energy:	39<	47° <	54	1.2<1.5s<1.8
Eigenvalue:	29<	37° <	43	1.1<1.4s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





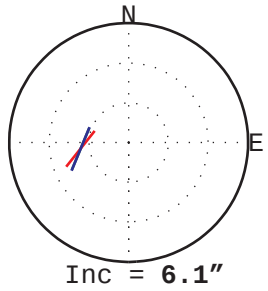


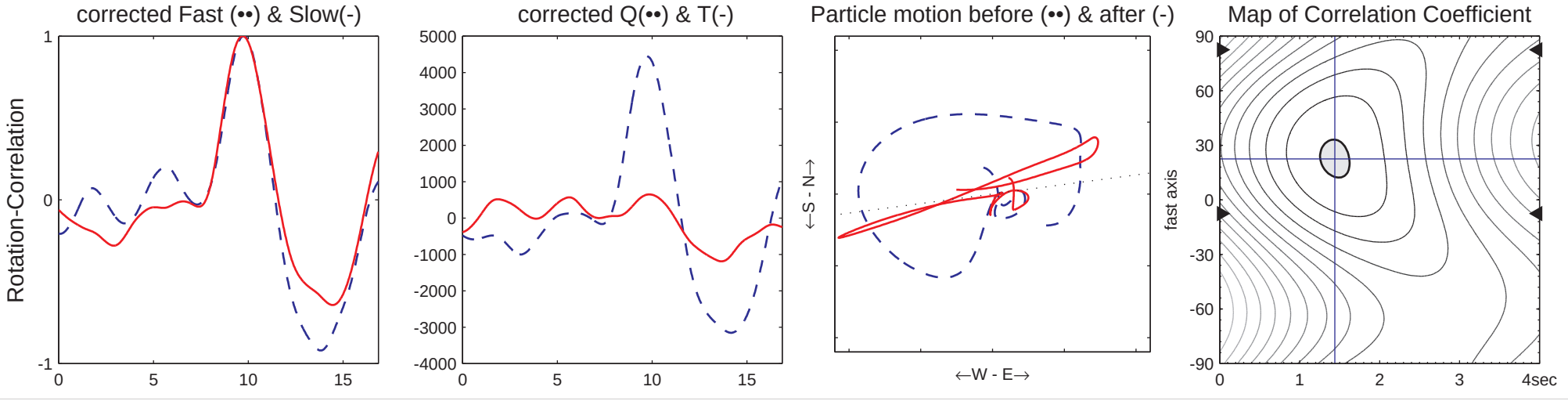


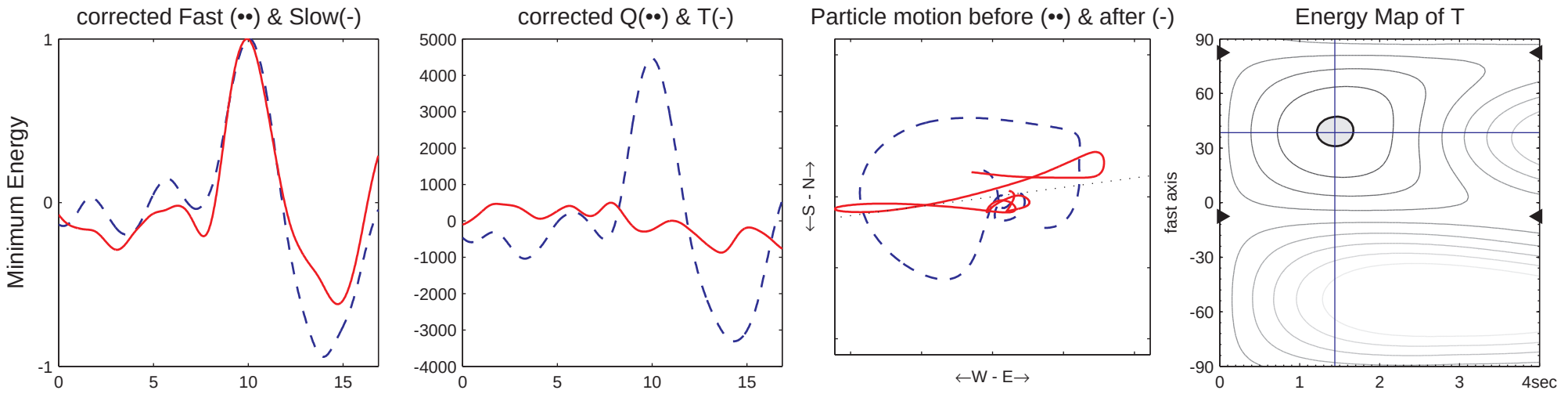
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **SVRC** Backazimuth: **262.5”** Distance: **118.88”**
init.Pol.: **70.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.9**

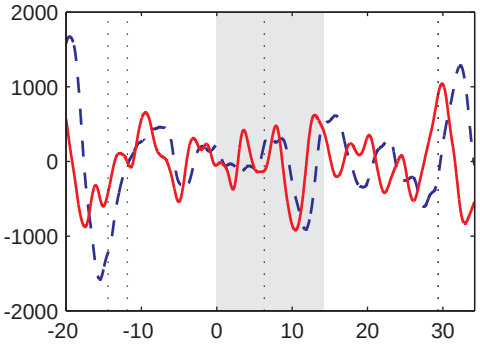
Rotation Correlation:	13<	22° <	33	1.2<1.4s<1.6
Minimum Energy:	31<	38° <	48	1.2<1.4s<1.7
Eigenvalue:	11<	22° <	39	1.2<1.5s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





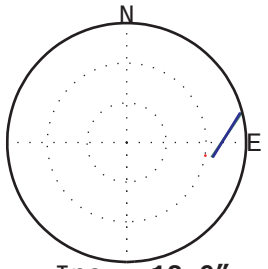




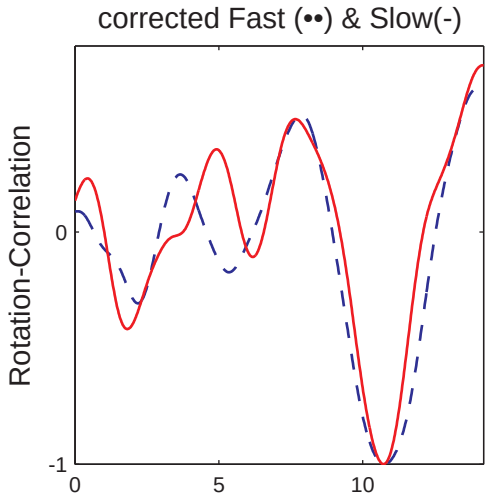
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **SVRC** Backazimuth: **85.8”** Distance: **99.14”**
init.Pol.: **248.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.3**

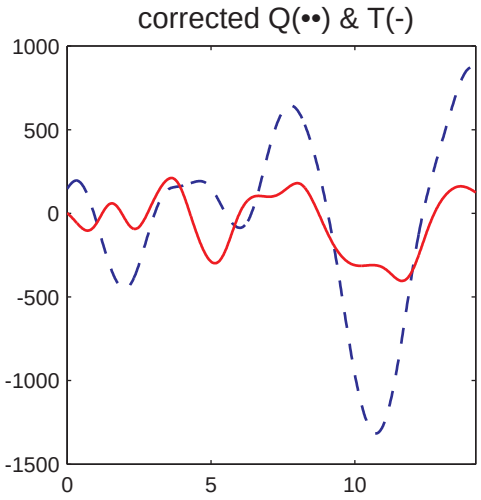
Rotation Correlation:	12<	34° <	53	1.2<1.7s<2.1
Minimum Energy:	37<	46° <	54	1.5<1.8s<2.2
Eigenvalue:	13<	32° <	50	1.3<1.6s<2.0

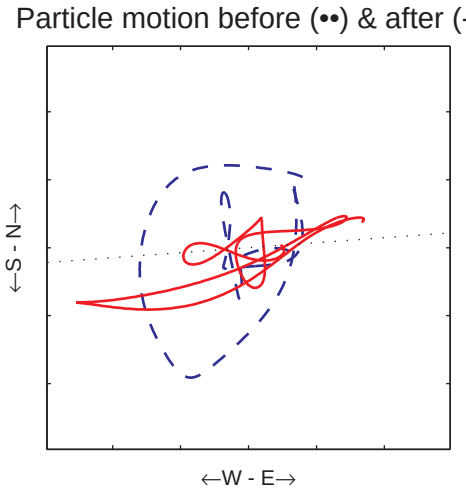
Quality: **fair** IsNull: **No** Phase: **SKKS**

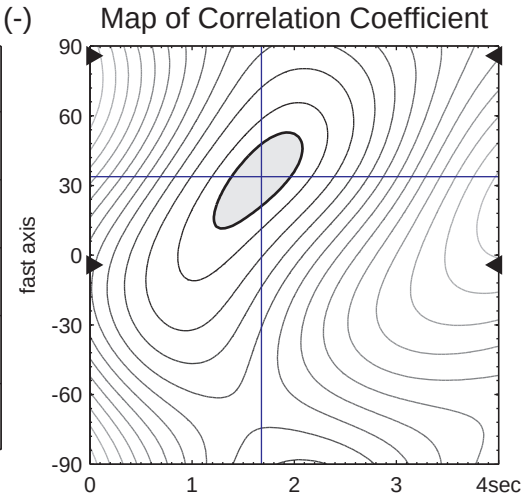


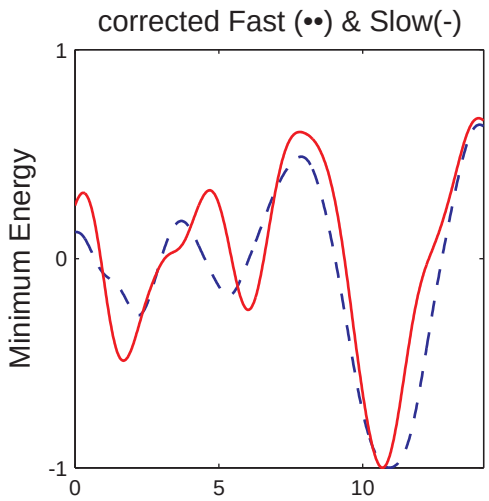
Inc = **12.6”**

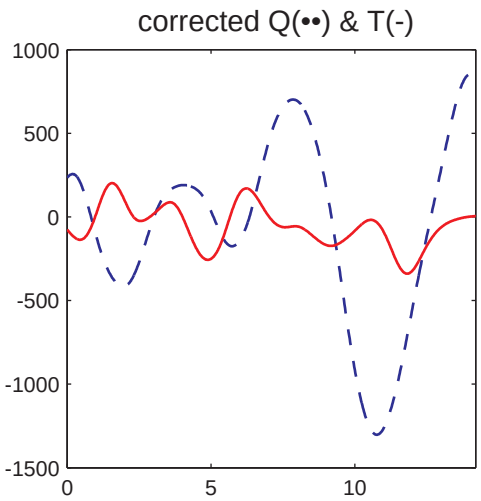


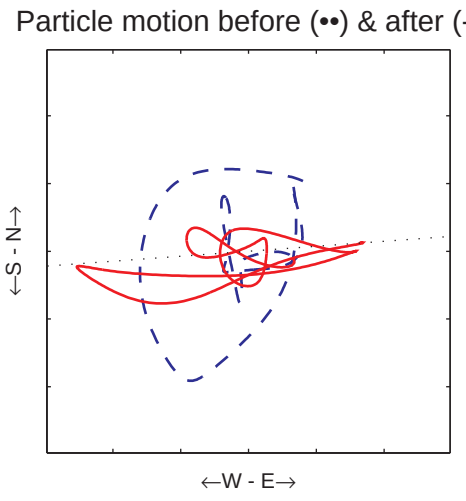


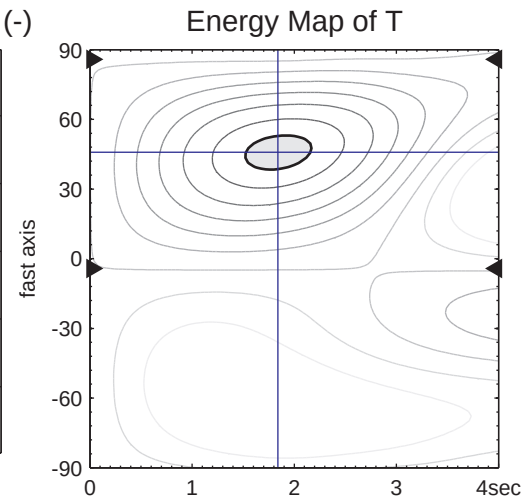


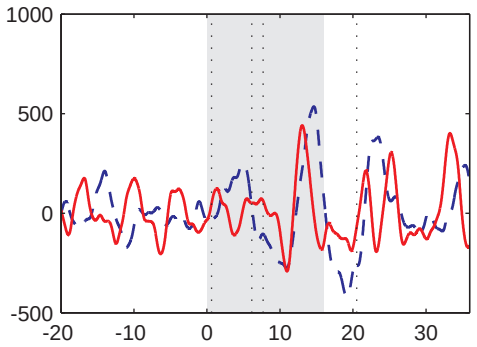








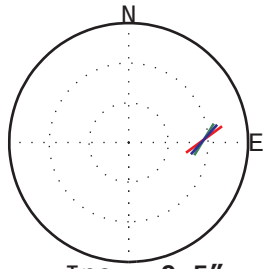


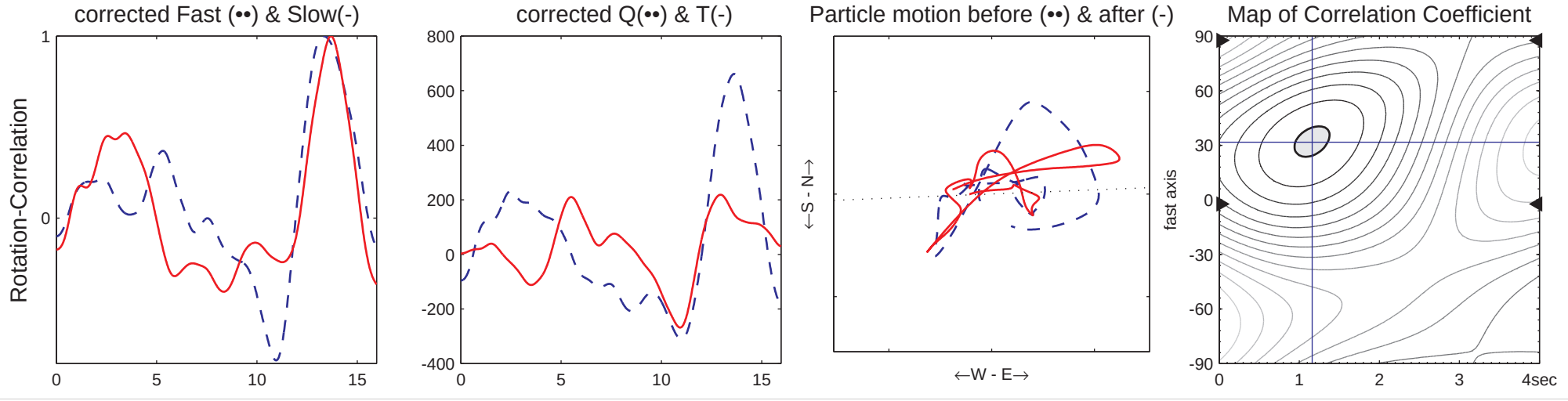


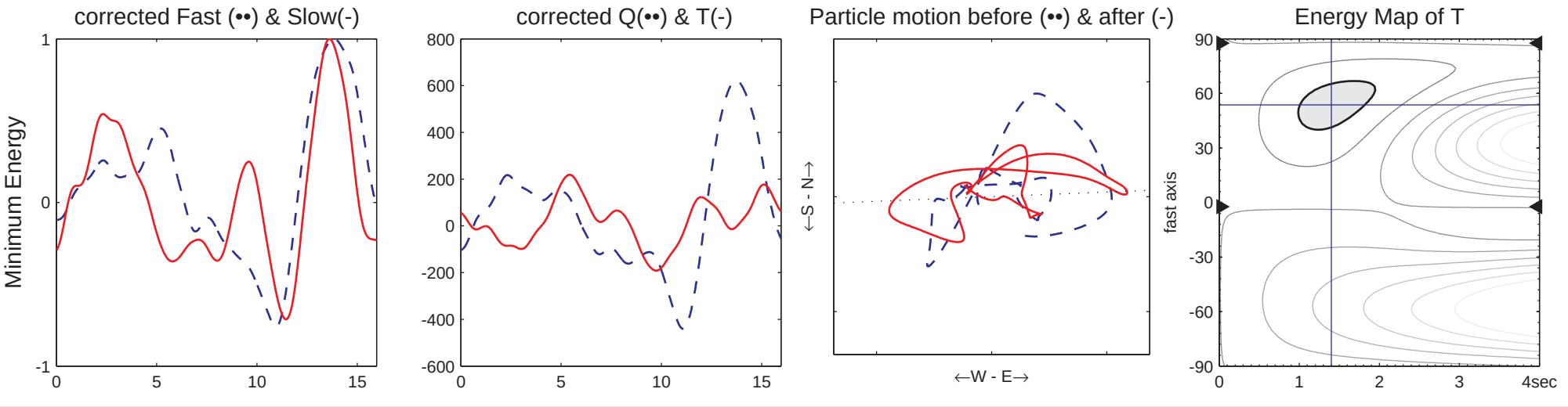
Event: **07-Jan-2008 (007) 03:12 -0.80N 134.01E 12km Mw=5.9**
Station: **SVRC** Backazimuth: **87.7”** Distance: **94.18”**
init.Pol.: **255.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.1**

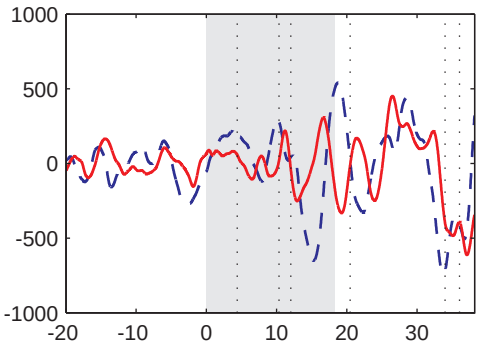
Rotation Correlation:	24<	32° <	41	1.0<1.2s<1.4
Minimum Energy:	39<	54° <	68	1.0<1.4s<2.0
Eigenvalue:	19<	42° <	58	0.8<1.2s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





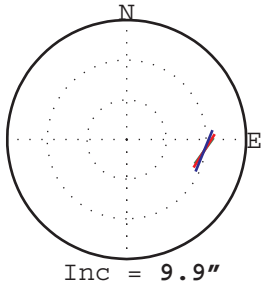


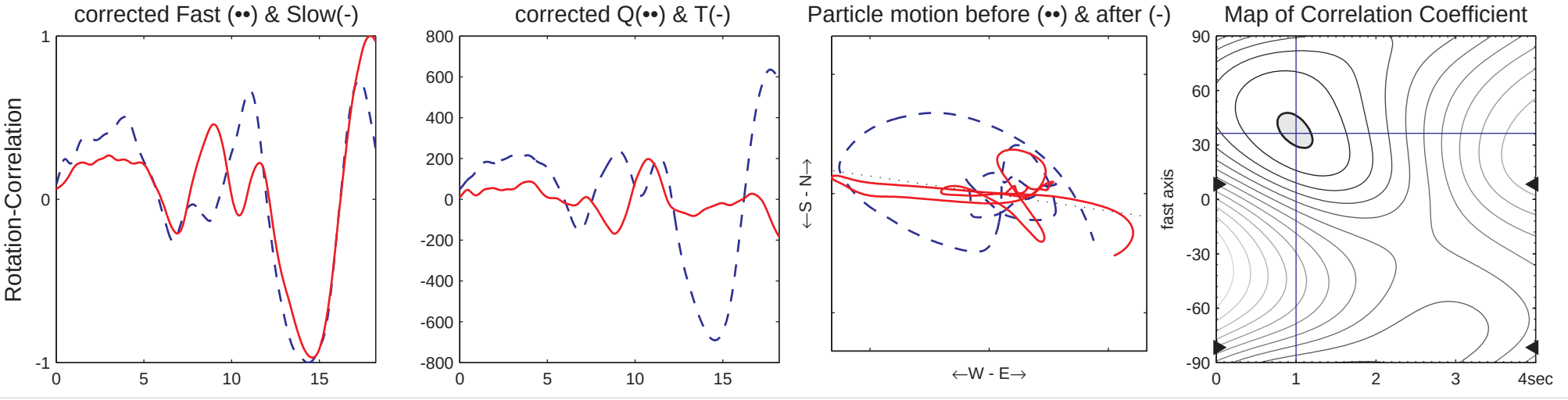


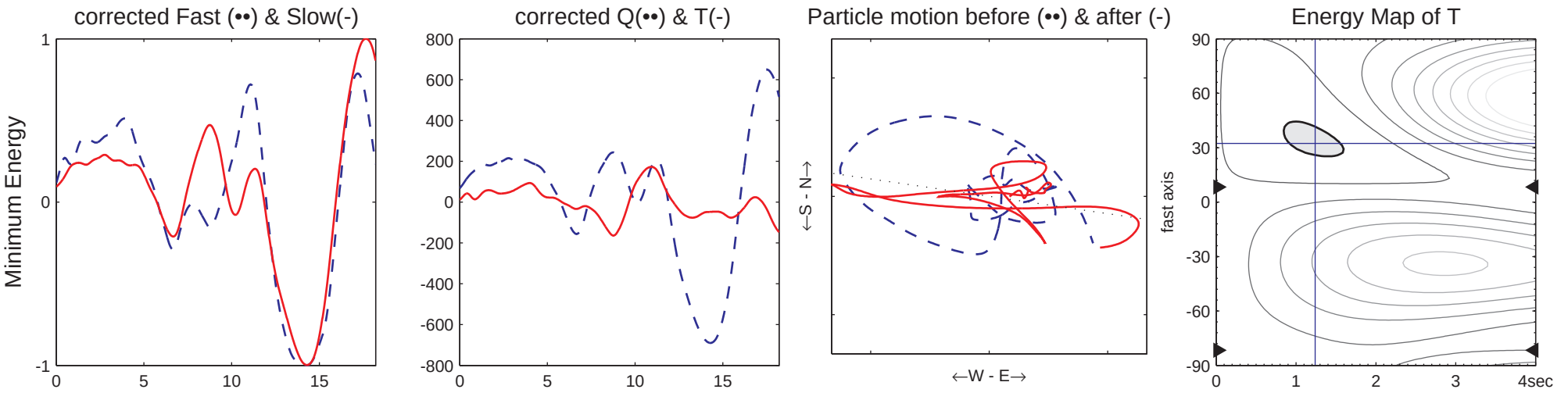
Event: **19-Apr-2008 (110) 03:12 -7.82N 125.69E 13km Mw=6.1**
Station: **SVRC** Backazimuth: **98.4”** Distance: **92.03”**
init.Pol.: **269.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.7**

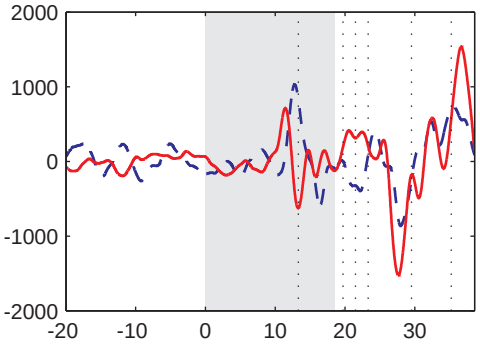
Rotation Correlation:	29<	36° <	48	0.8<1.0s<1.2
Minimum Energy:	25<	32° <	43	0.8<1.2s<1.6
Eigenvalue:	13<	22° <	37	1.0<1.4s<1.8

Quality: **fair** IsNull: **No** Phase: **SKS**





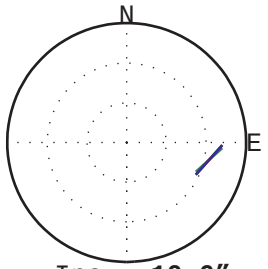




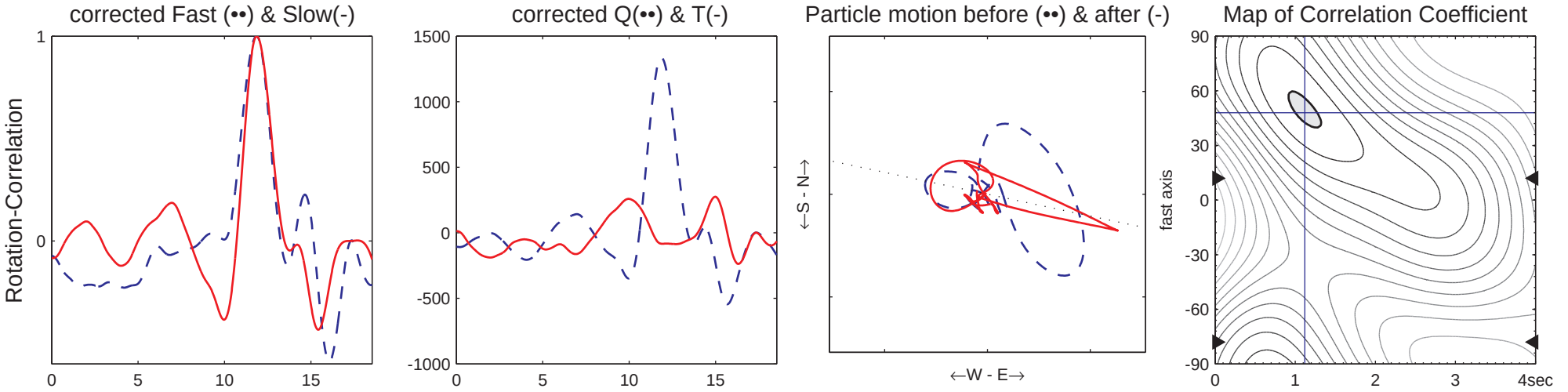
Event: **03-Jun-2008 (155) 22:04 -8.10N 120.23E 14km Mw=6.0**
Station: **SVRC** Backazimuth: **102.0”** Distance: **88.00”**
init.Pol.: **281.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.3**

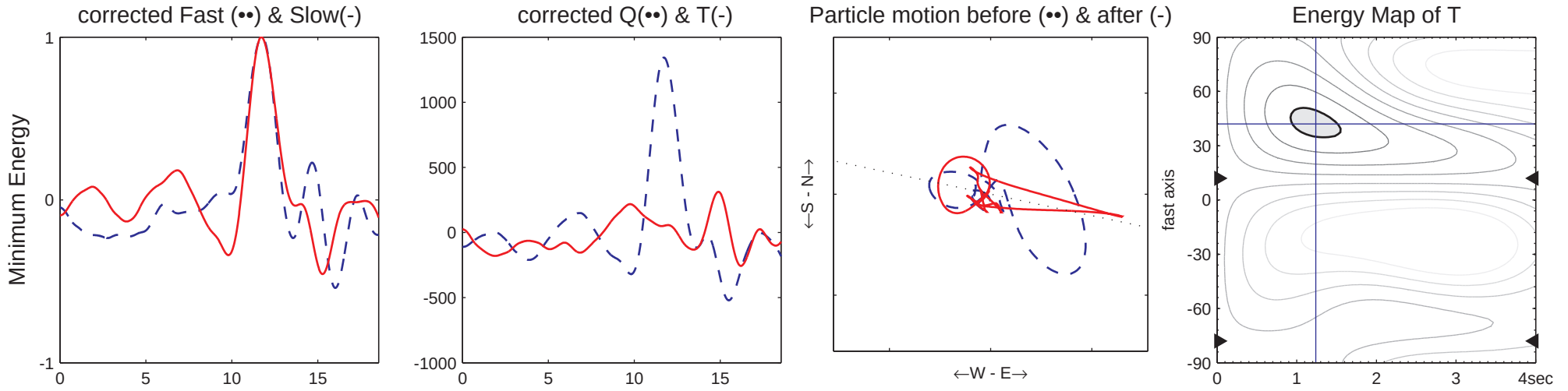
Rotation Correlation:	40<	48° <	60	0.9<1.1s<1.3
Minimum Energy:	35<	42° <	52	0.9<1.2s<1.6
Eigenvalue:	27<	42° <	58	0.9<1.2s<1.6

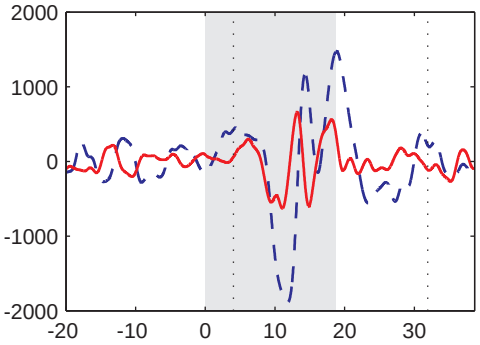
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.6”**



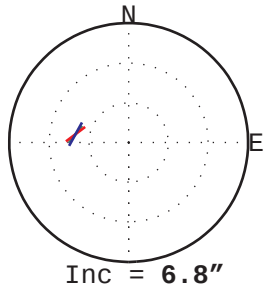


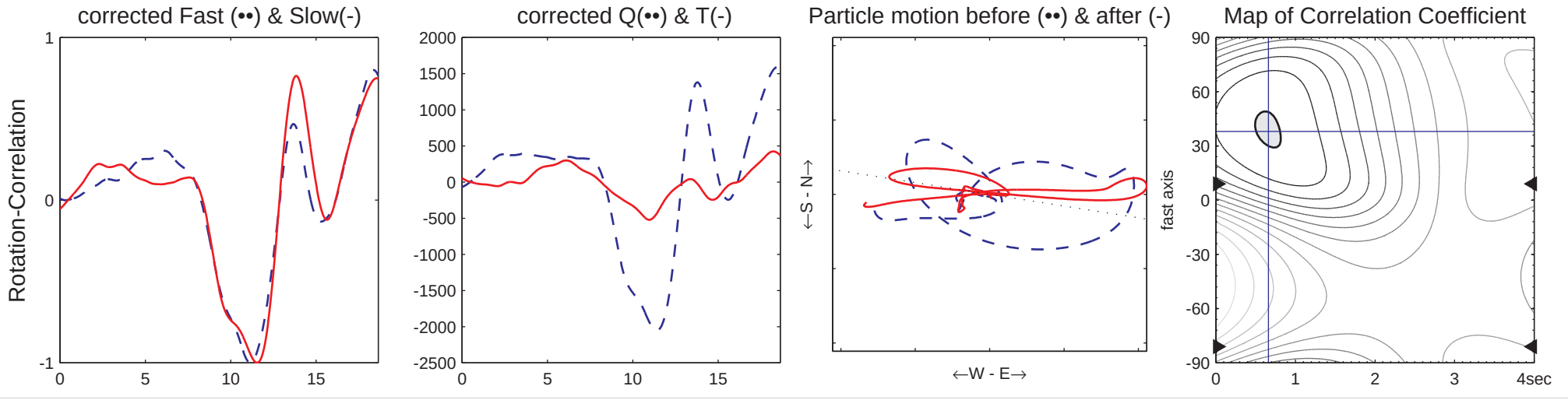


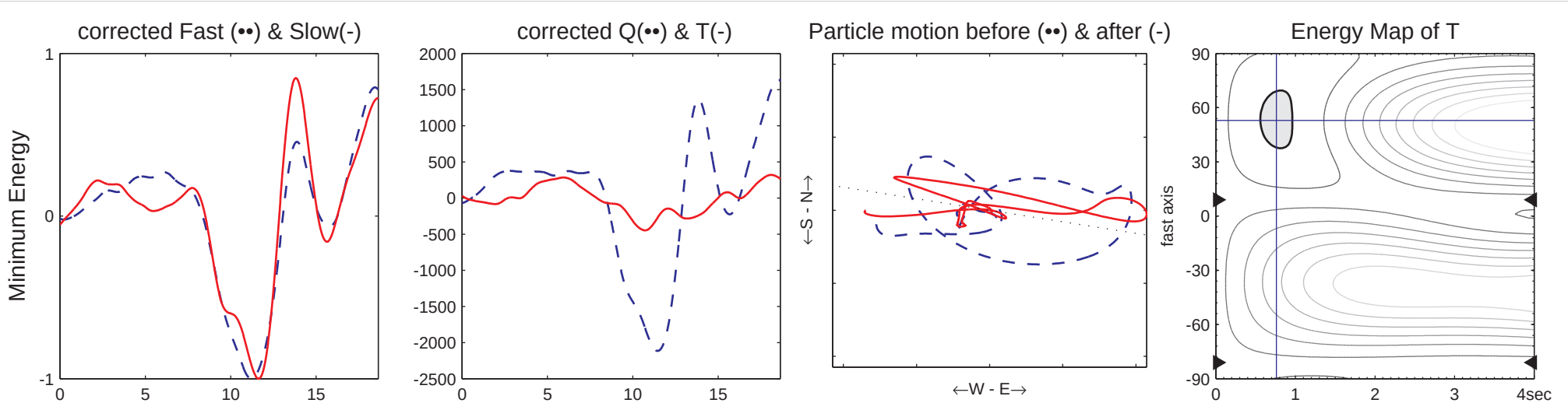
Event: **26-Aug-2008 (239) 21:00 -7.64N -74.38E 154km Mw=6.4**
Station: **SVRC** Backazimuth: **278.9”** Distance: **113.24”**
init.Pol.: **86.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.4**

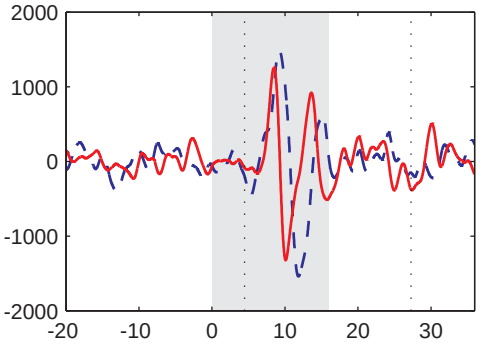
Rotation Correlation:	29<	38° <	49	0.5<0.7s<0.8
Minimum Energy:	37<	53° <	70	0.6<0.8s<1.0
Eigenvalue:	19<	29° <	39	0.7<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





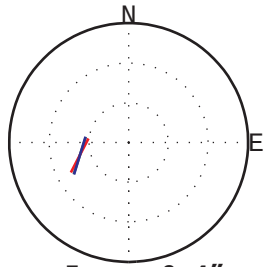


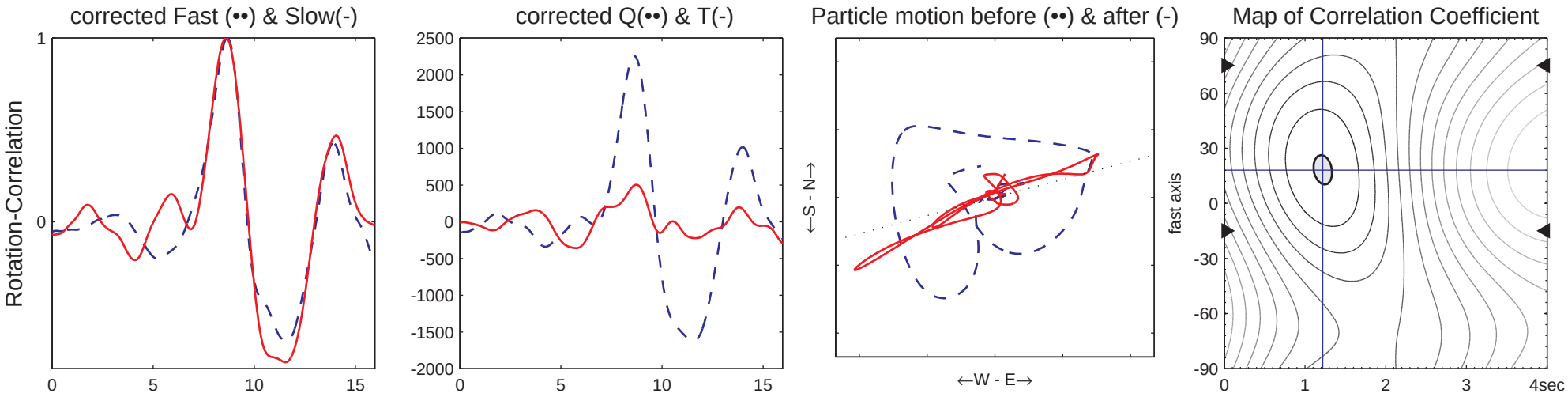


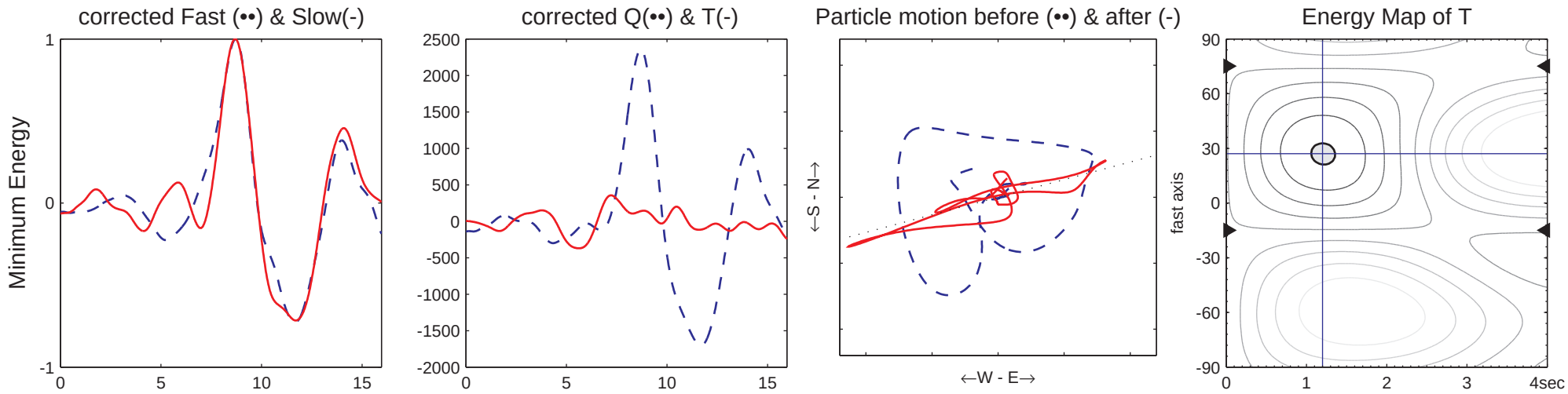
Event: **03-Sep-2008 (247) 11:25 -26.74N -63.23E 569km Mw=6.3**
Station: **SVRC** Backazimuth: **255.1”** Distance: **115.54”**
init.Pol.: **65.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.7**

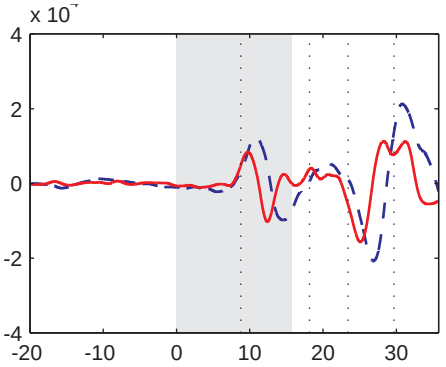
Rotation Correlation:	11<	18° <	27	1.1<1.2s<1.3
Minimum Energy:	21<	27° <	33	1.0<1.2s<1.4
Eigenvalue:	7<	17° <	27	1.1<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





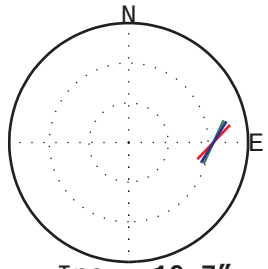




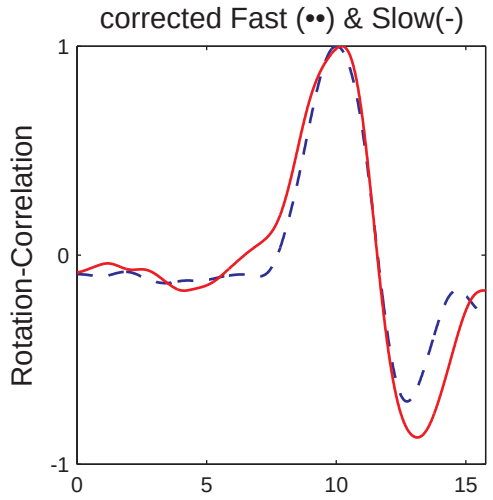
Event: **11-Sep-2008 (255) 00:00 1.89N 127.36E 96km Mw=6.6**
Station: **SVRC** Backazimuth: **89.7”** Distance: **87.31”**
init.Pol.: **258.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.1**

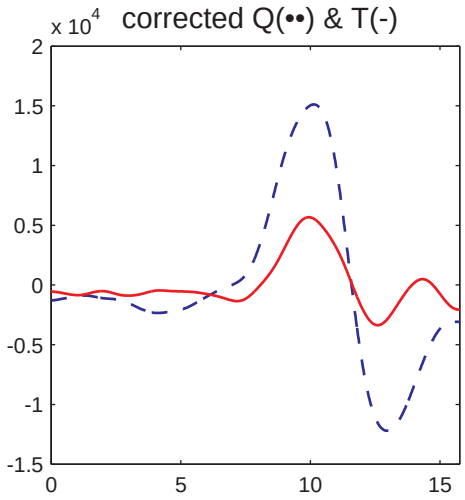
Rotation Correlation:	19<	25° <	34	1.4<1.5s<1.6
Minimum Energy:	37<	44° <	50	1.3<1.5s<1.7
Eigenvalue:	25<	32° <	37	1.4<1.5s<1.6

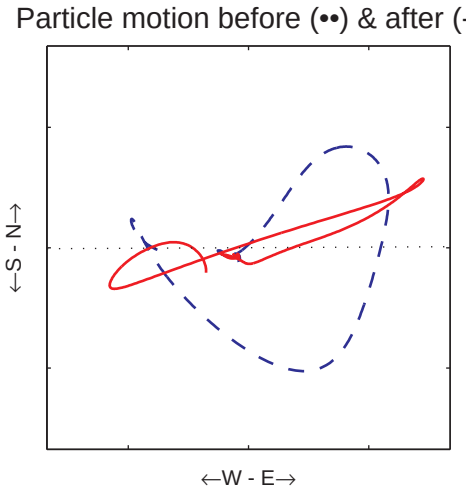
Quality: **fair** IsNull: **No** Phase: **SKS**

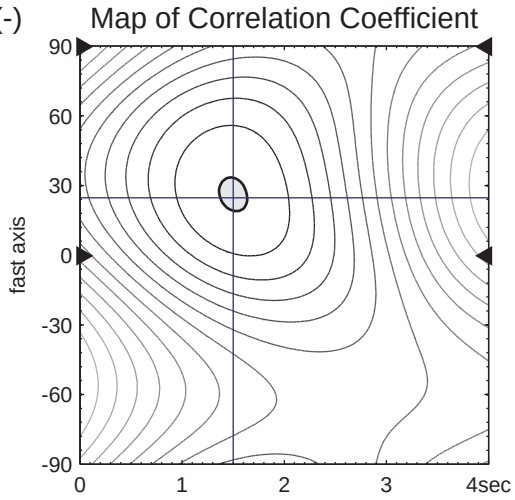


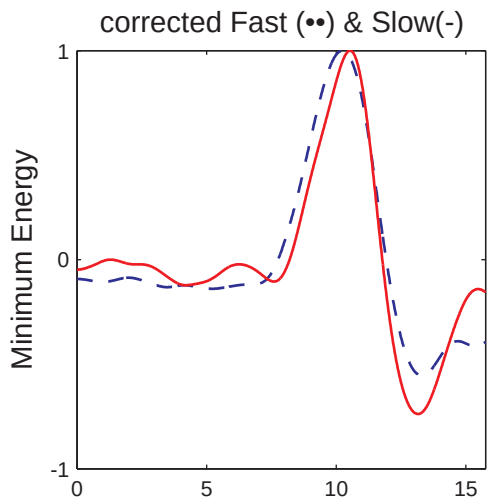
Inc = **10.7”**

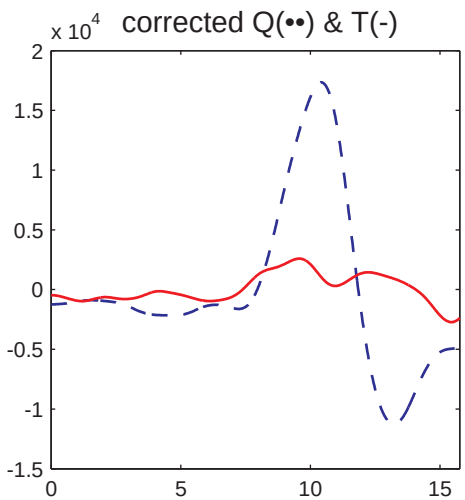


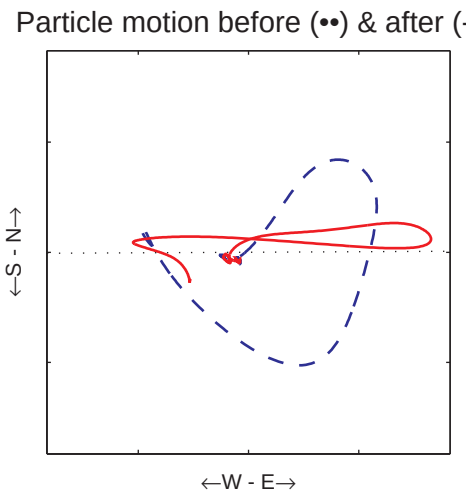


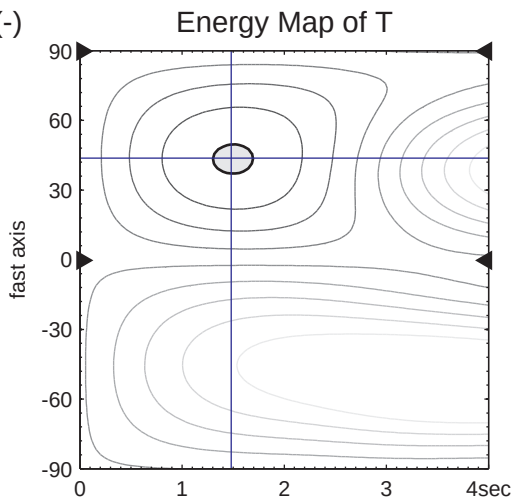


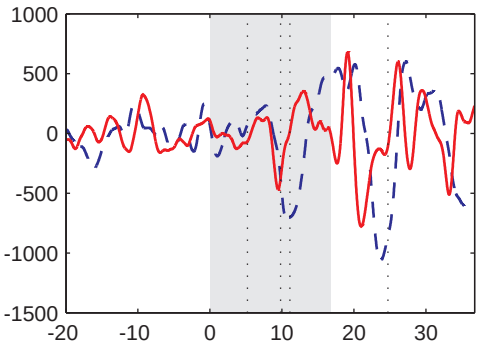








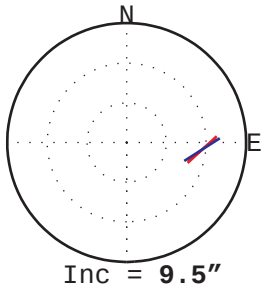


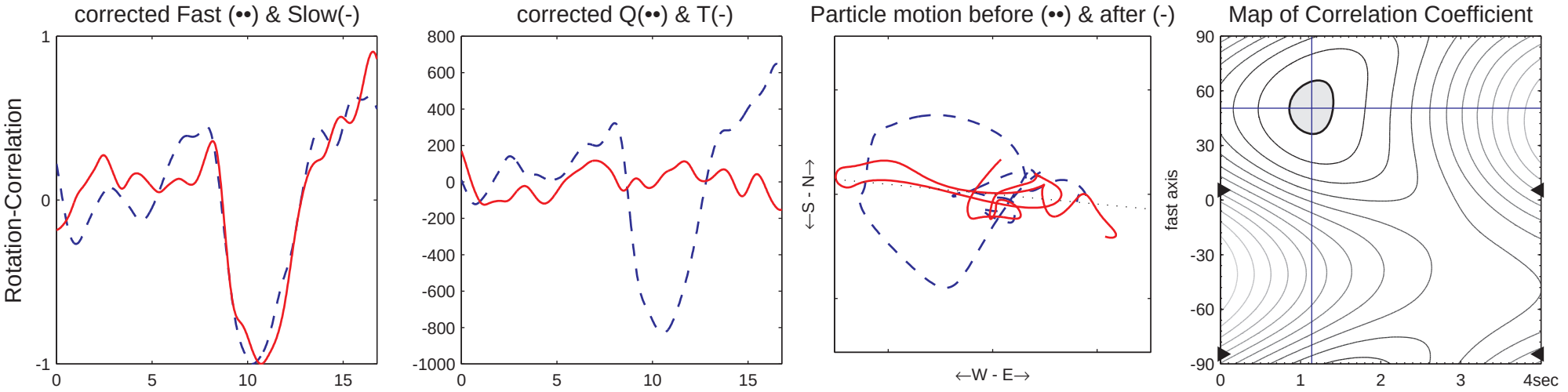


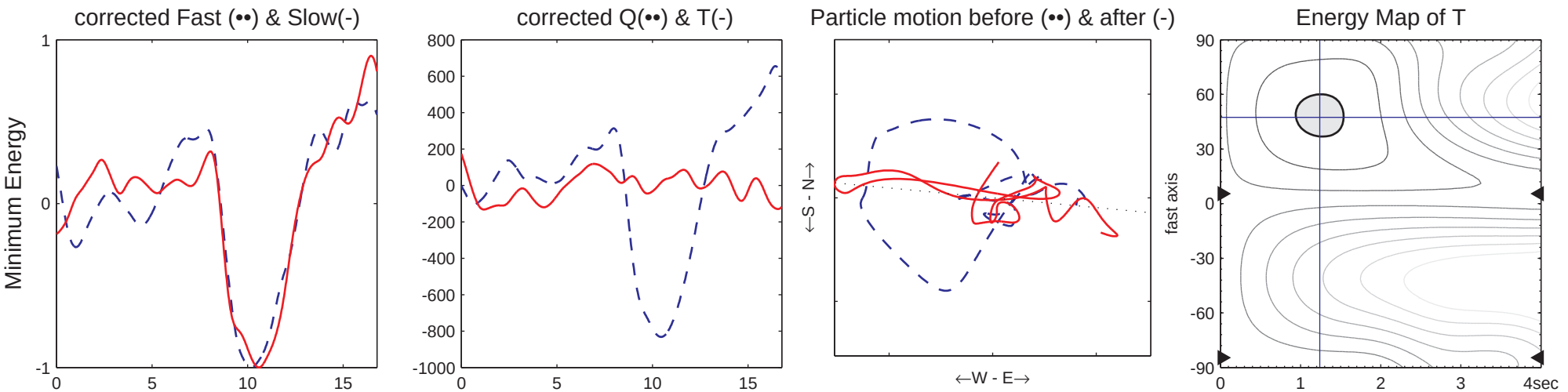
Event: **07-Nov-2008 (312) 16:04 -6.71N 129.07E 10km Mw=6.2**
Station: **SVRC** Backazimuth: **95.4”** Distance: **93.98”**
init.Pol.: **281.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.7**

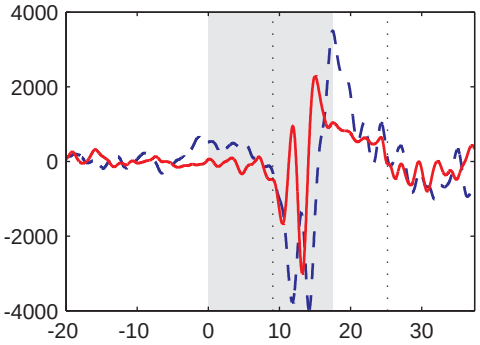
Rotation Correlation:	37<	50° <	66	0.8<1.1s<1.4
Minimum Energy:	37<	47° <	60	0.9<1.2s<1.5
Eigenvalue:	39<	57° <	76	1.0<1.3s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





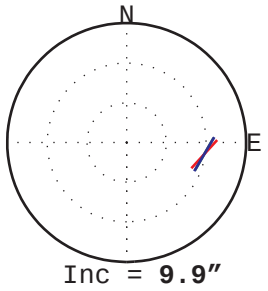


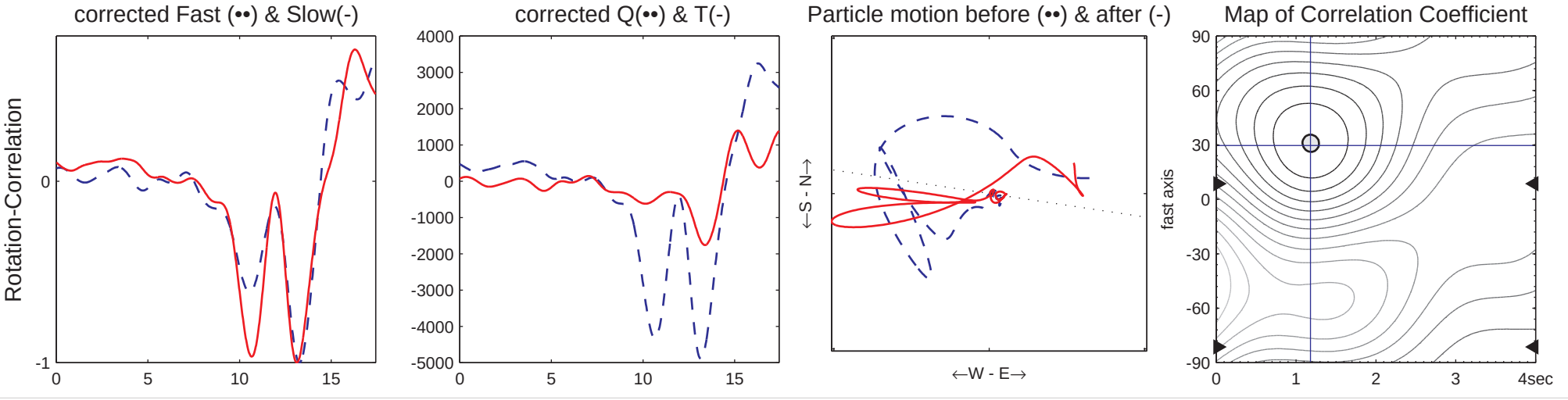


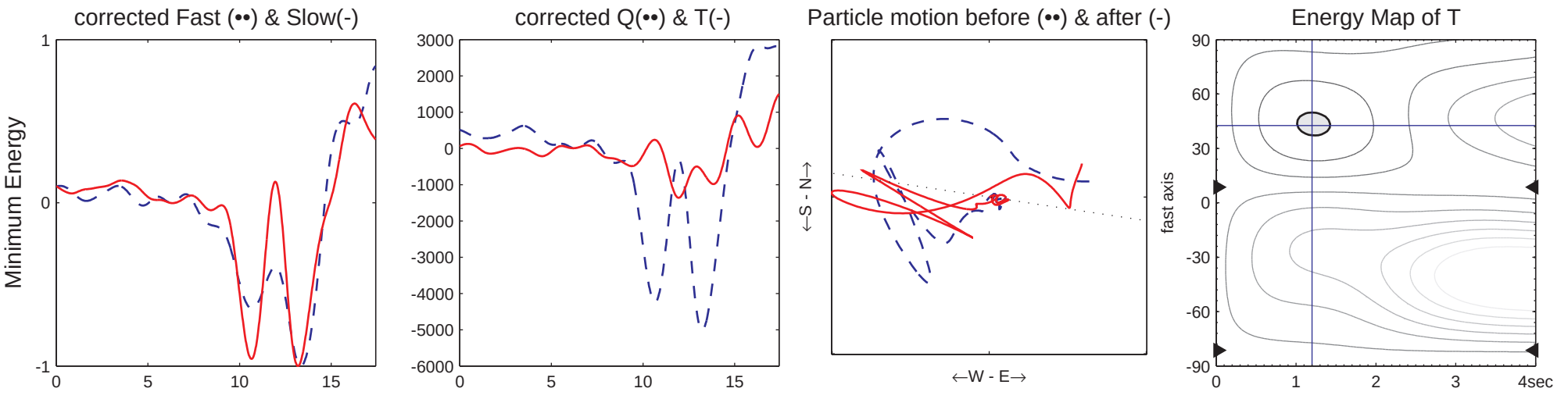
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **SVRC** Backazimuth: **98.6”** Distance: **91.04”**
init.Pol.: **263.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.1**

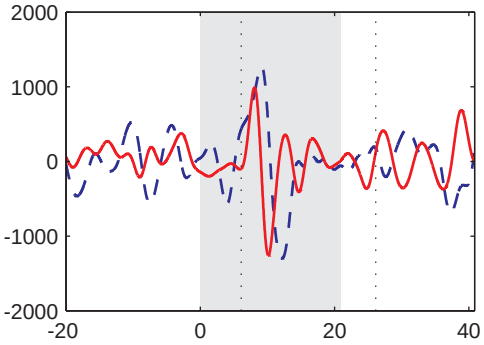
Rotation Correlation:	27<	30° <	36	1.1<1.2s<1.3
Minimum Energy:	37<	43° <	50	1.0<1.2s<1.4
Eigenvalue:	27<	31° <	37	1.1<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





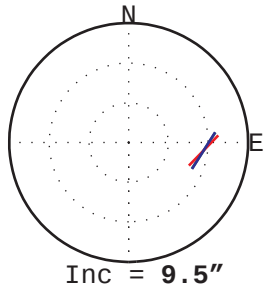


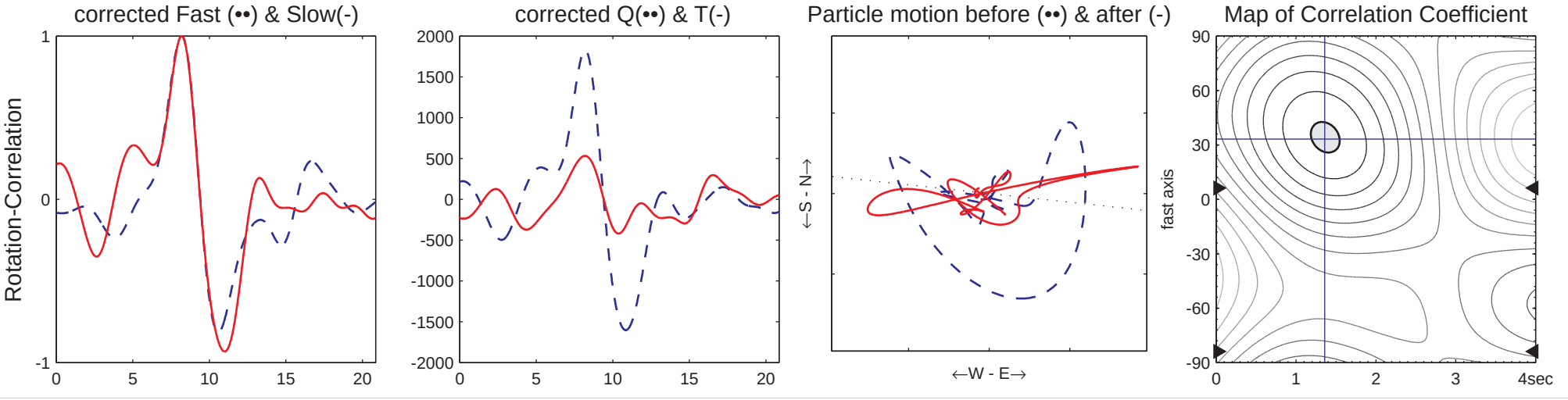


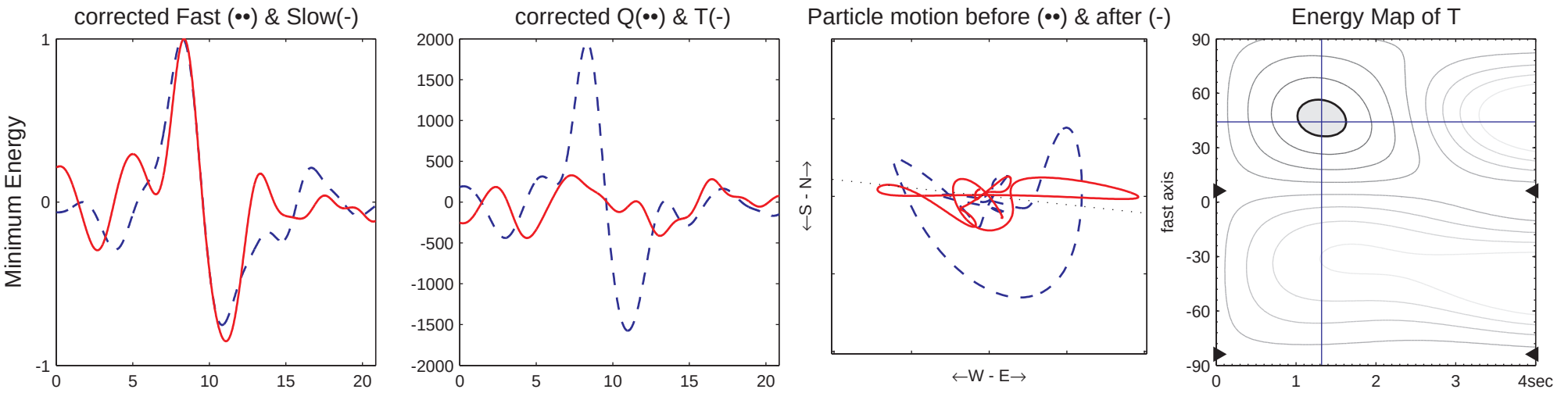
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **SVRC** Backazimuth: **96.2”** Distance: **93.95”**
init.Pol.: **262.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

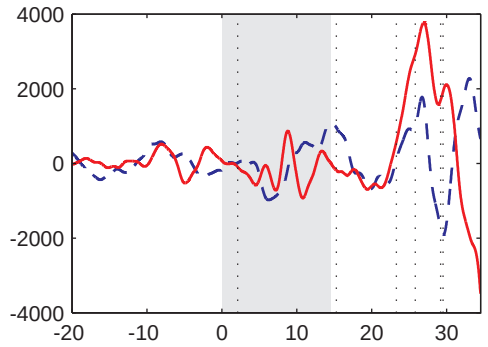
Rotation Correlation:	26<	33° <	43	1.2<1.4s<1.6
Minimum Energy:	35<	44° <	56	1.0<1.3s<1.6
Eigenvalue:	21<	32° <	46	1.1<1.4s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





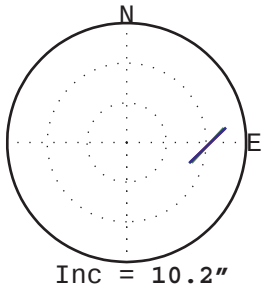


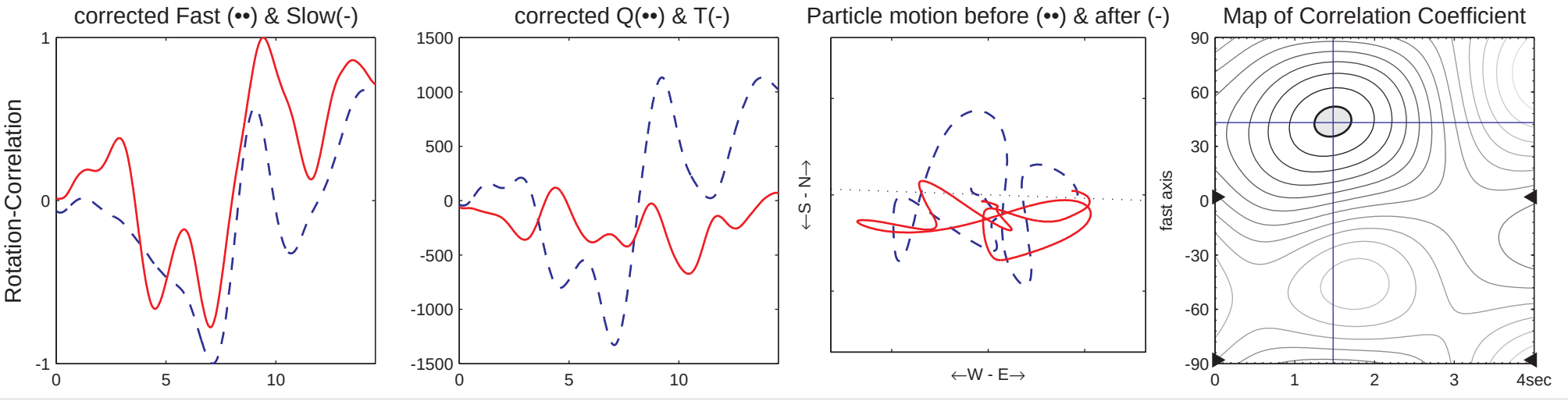


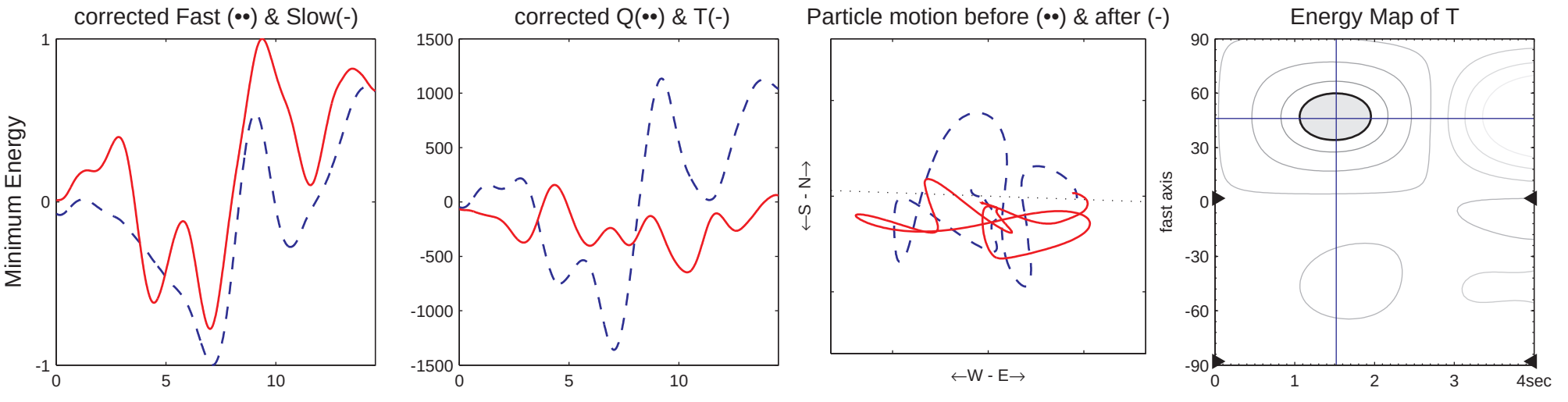
Event: **14-Mar-2010 (073) 00:57 -1.69N 128.13E 53km Mw=6.4**
Station: **SVRC** Backazimuth: **92.1”** Distance: **90.13”**
init.Pol.: **271.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.8**

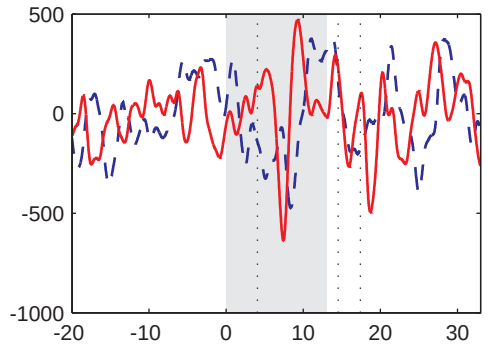
Rotation Correlation:	36<	43° <	52	1.2<1.5s<1.7
Minimum Energy:	33<	46° <	60	1.1<1.5s<2.0
Eigenvalue:	37<	46° <	58	1.3<1.6s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





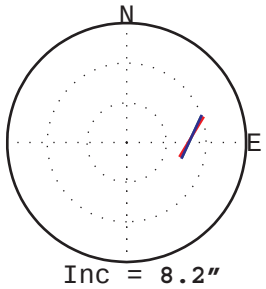


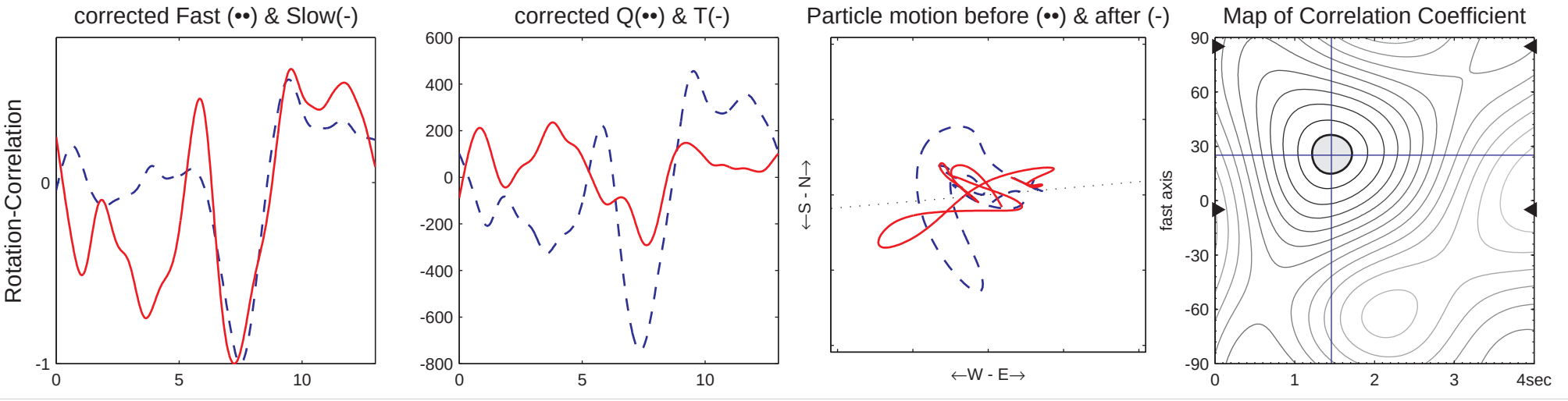


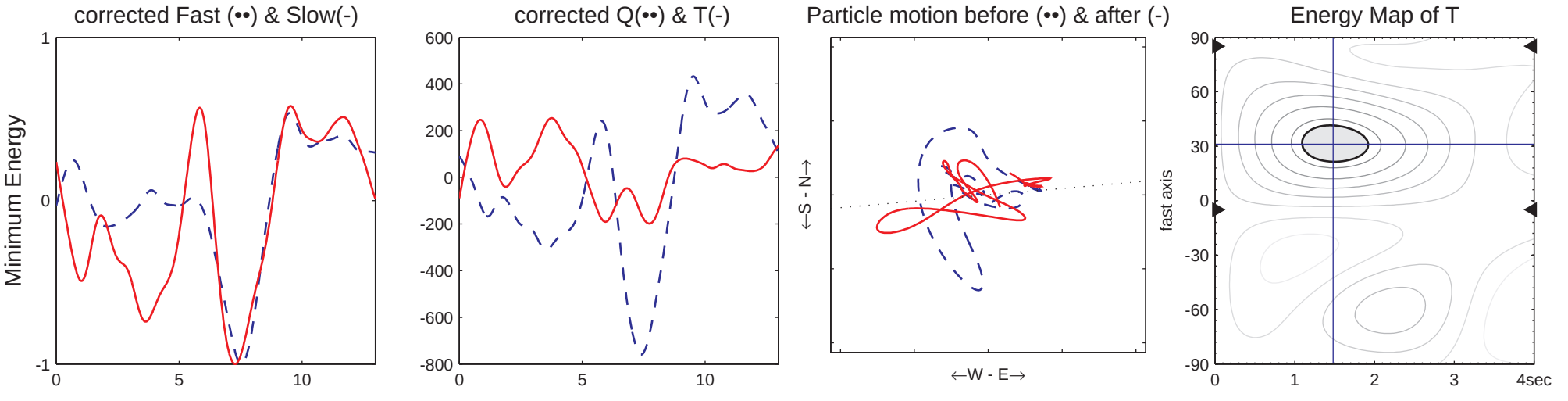
Event: **07-Apr-2010 (097) 14:33 -3.76N 141.94E 23km Mw=6.0**
Station: **SVRC** Backazimuth: **85.1”** Distance: **102.23”**
init.Pol.: **255.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.3**

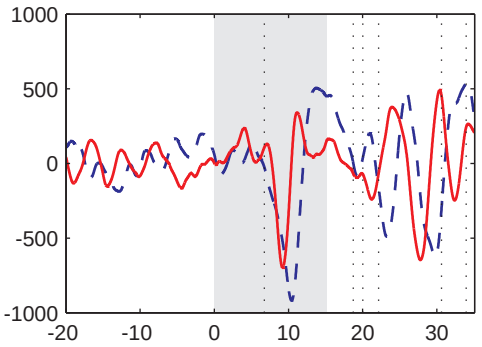
Rotation Correlation:	15<	25° <	37	1.2<1.5s<1.7
Minimum Energy:	21<	31° <	41	1.1<1.5s<1.9
Eigenvalue:	13<	25° <	39	1.2<1.5s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





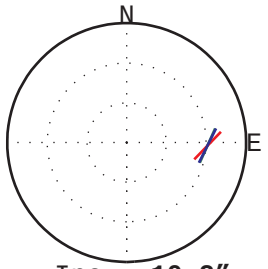




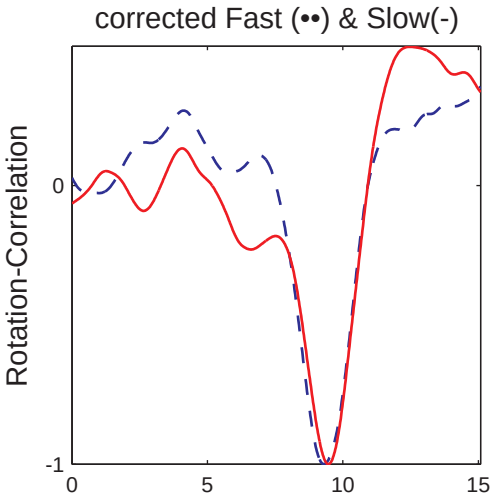
Event: **24-Apr-2010 (114) 07:41 -1.91N 128.12E 27km Mw=6.0**
Station: **SVRC** Backazimuth: **92.2”** Distance: **90.26”**
init.Pol.: **254.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

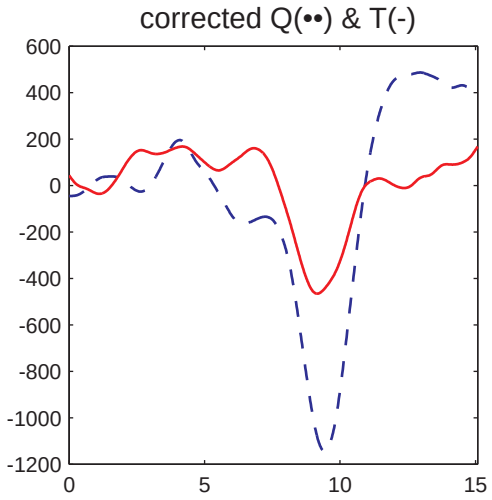
Rotation Correlation:	16<	24° <	35	1.0<1.2s<1.4
Minimum Energy:	31<	44° <	60	0.8<1.2s<1.6
Eigenvalue:	15<	26° <	41	1.0<1.2s<1.4

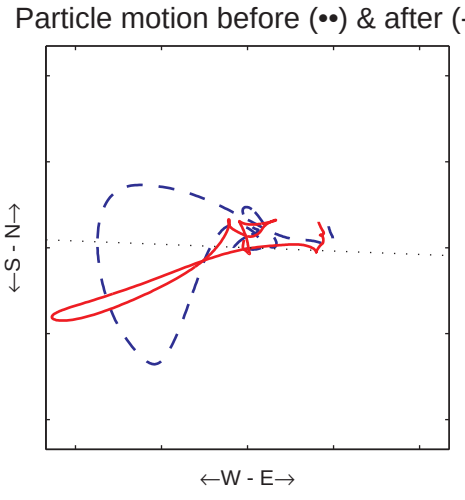
Quality: **fair** IsNull: **No** Phase: **SKS**

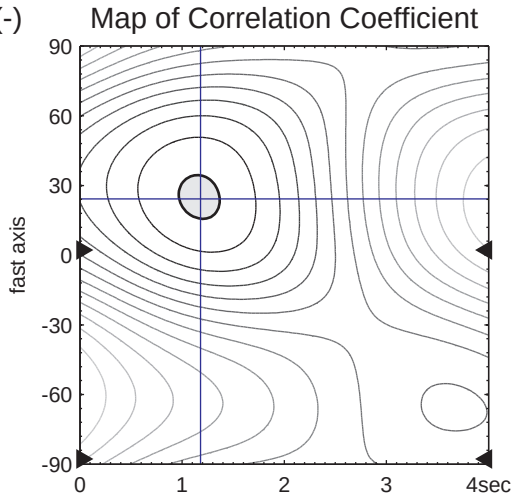


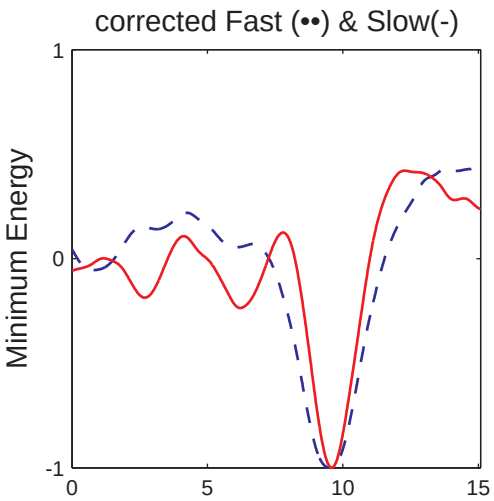
Inc = **10.2”**

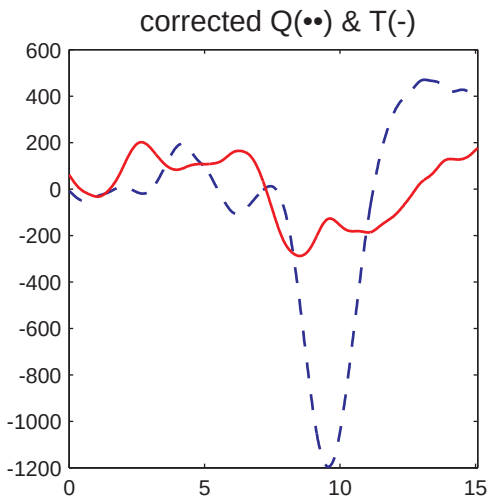


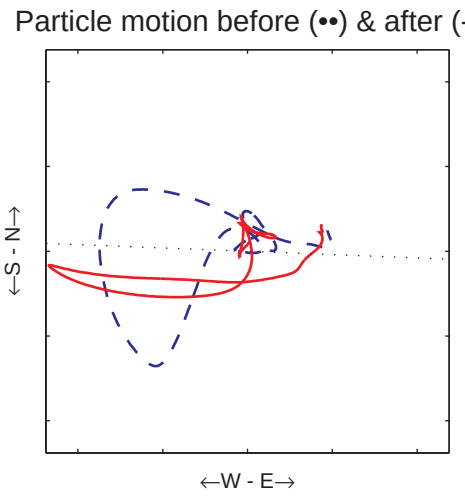


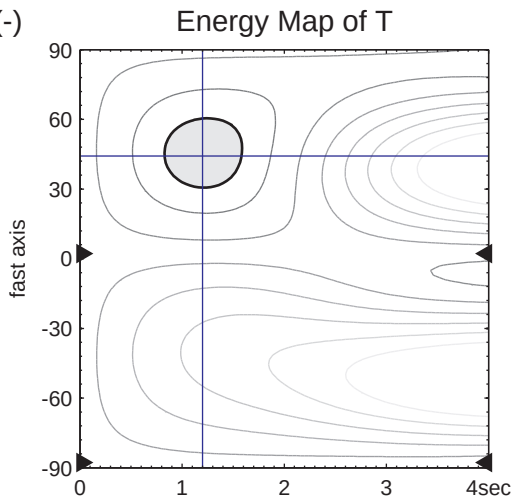


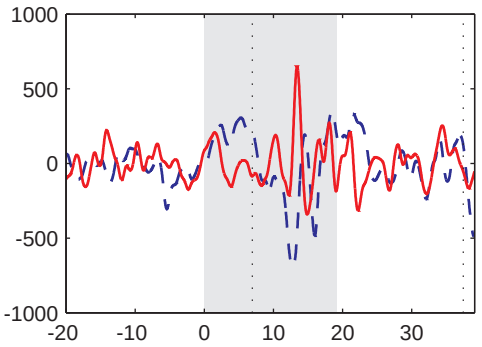








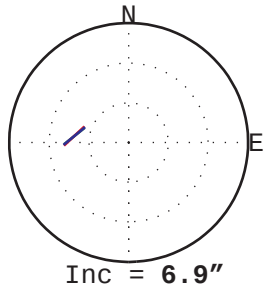


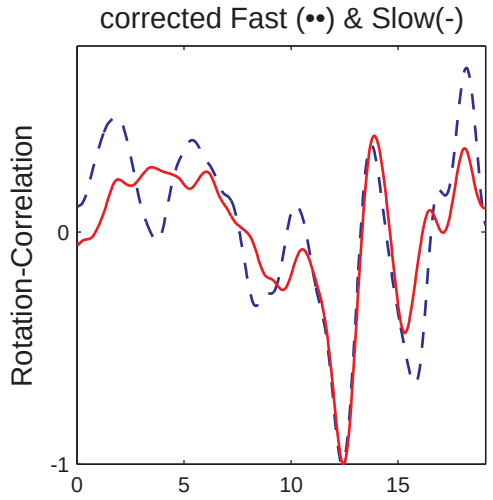


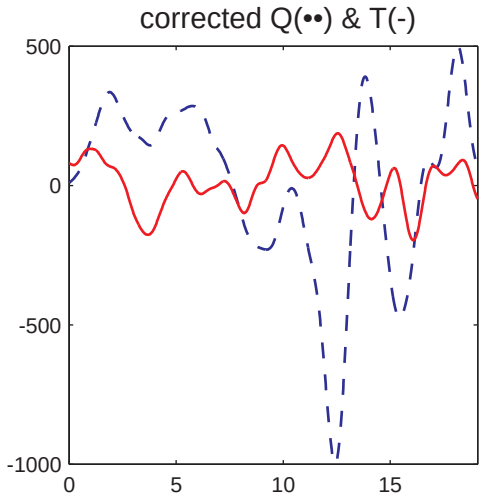
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **SVRC** Backazimuth: **276.7”** Distance: **111.33”**
init.Pol.: **100.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

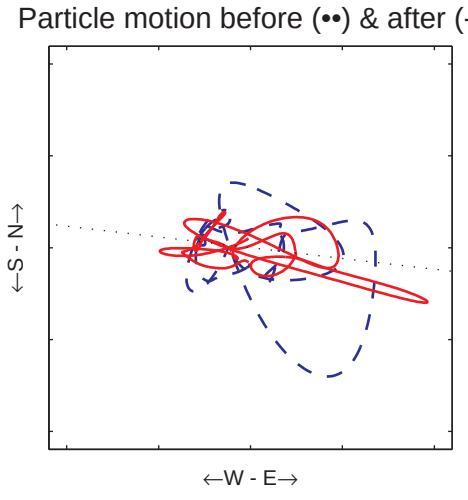
Rotation Correlation:	46<	52° <	61	0.7<0.8s<0.9
Minimum Energy:	39<	47° <	56	0.7<0.9s<1.0
Eigenvalue:	39<	51° <	64	0.7<0.9s<1.0

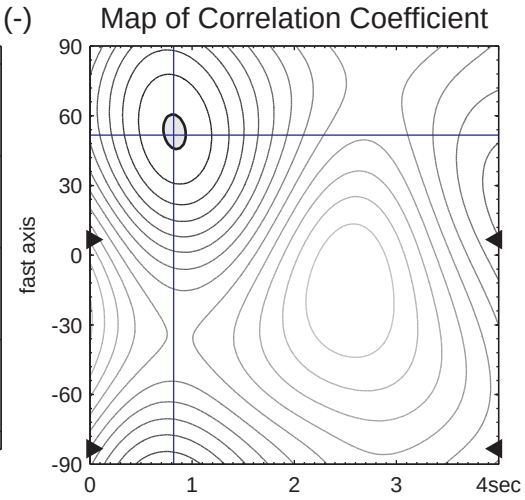
Quality: **good** IsNull: **No** Phase: **SKS**

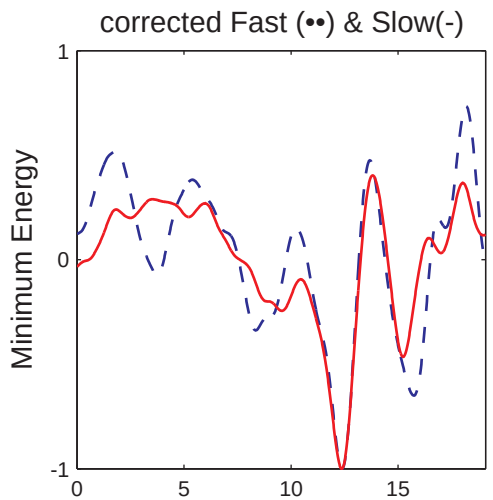


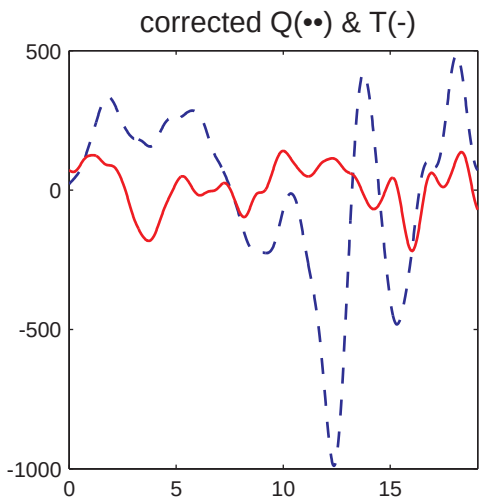


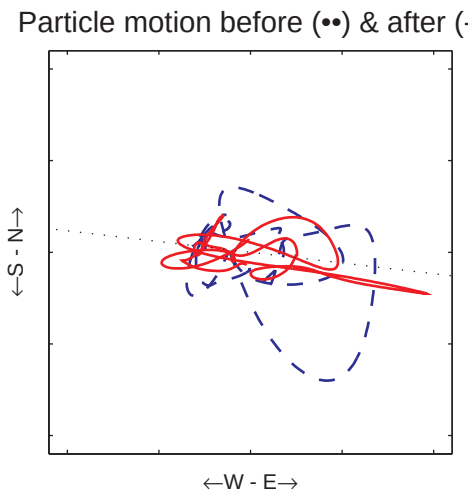


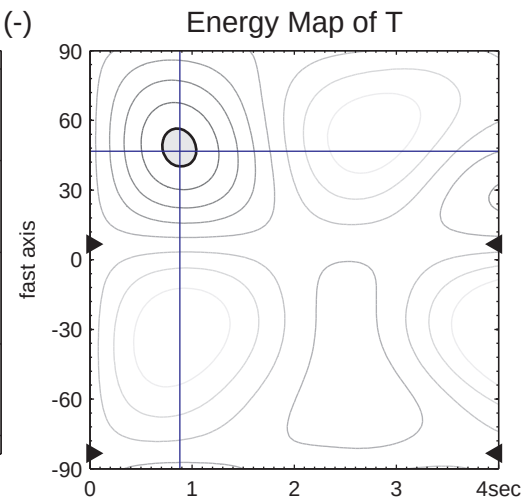


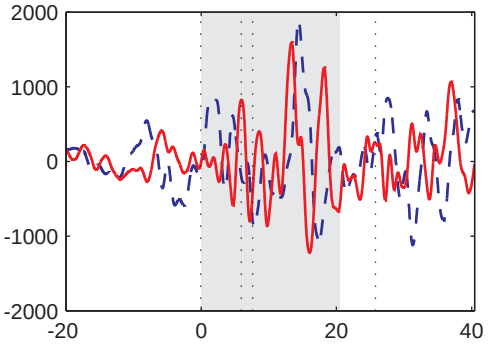








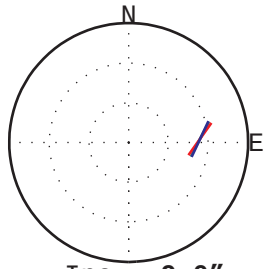


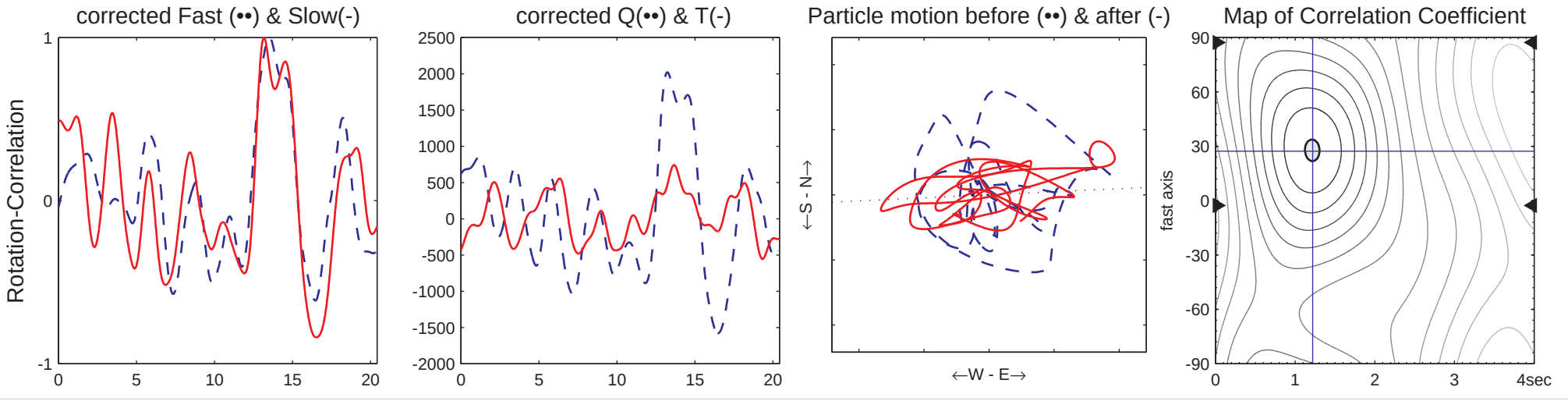


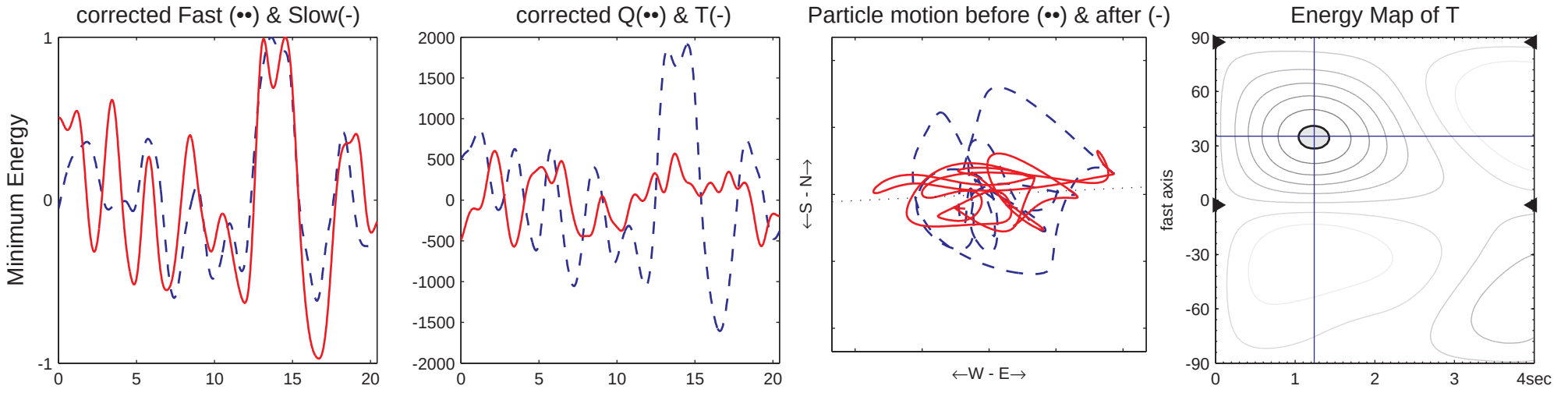
Event: **16-Jun-2010 (167) 03:06 -2.39N 136.63E 13km Mw=6.2**
Station: **SVRC** Backazimuth: **87.3”** Distance: **97.22”**
init.Pol.: **254.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **3.2**

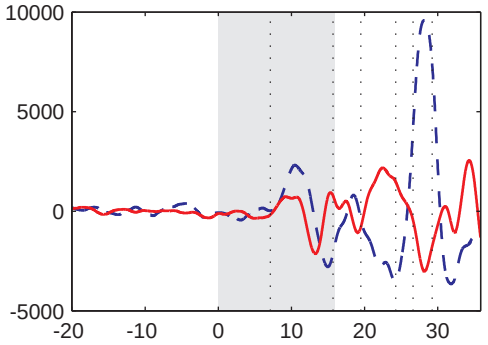
Rotation Correlation:	22<	27° <	34	1.1<1.2s<1.3
Minimum Energy:	29<	35° <	41	1.0<1.2s<1.4
Eigenvalue:	15<	25° <	37	1.1<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





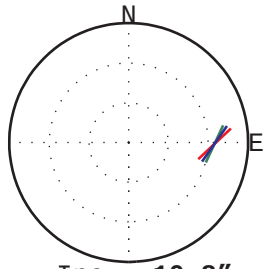




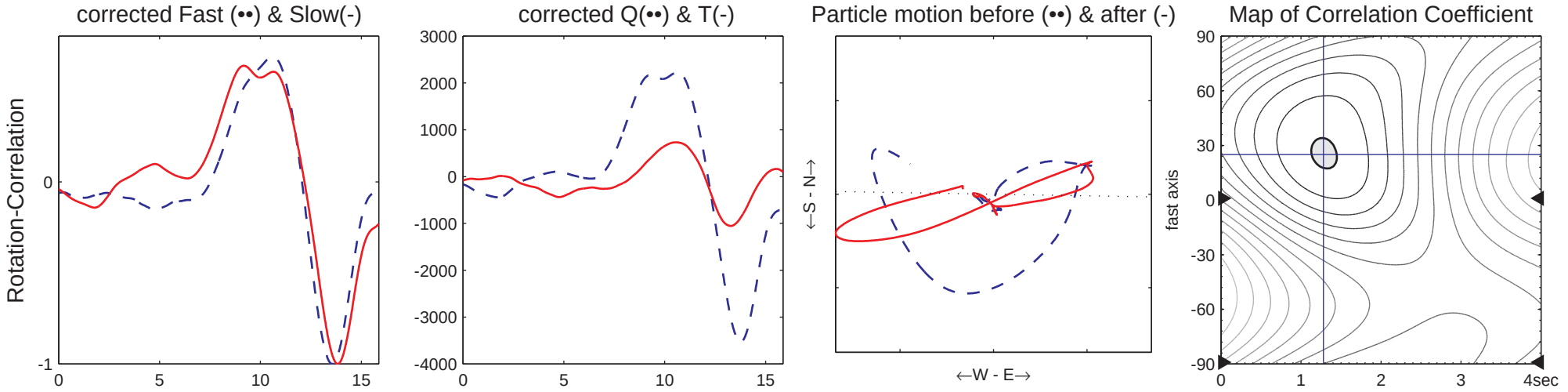
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **SVRC** Backazimuth: **90.9”** Distance: **86.81”**
init.Pol.: **262.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.9**

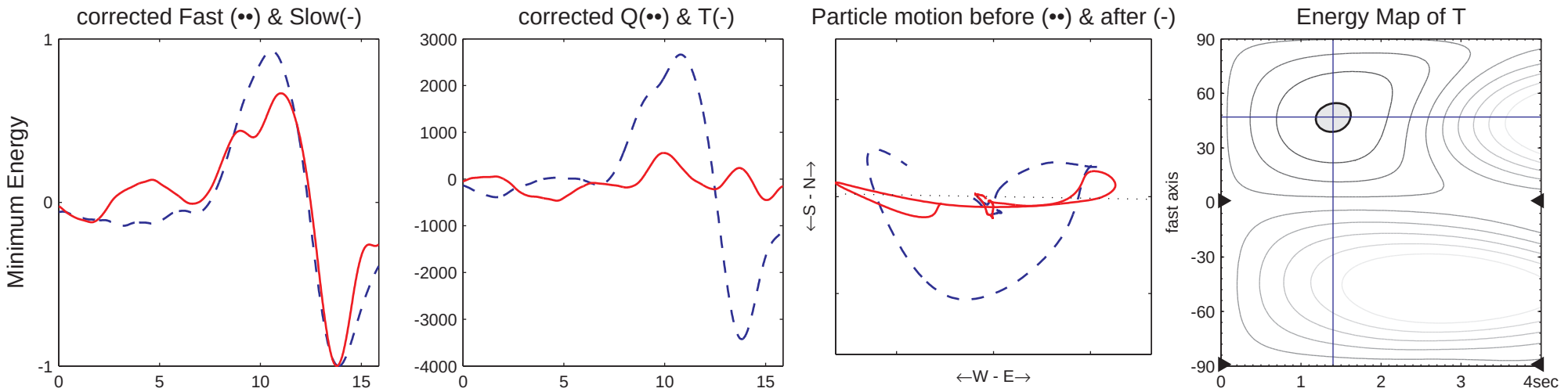
Rotation Correlation:	18<	25° <	34	1.1<1.3s<1.4
Minimum Energy:	39<	47° <	56	1.2<1.4s<1.6
Eigenvalue:	25<	35° <	46	1.2<1.4s<1.5

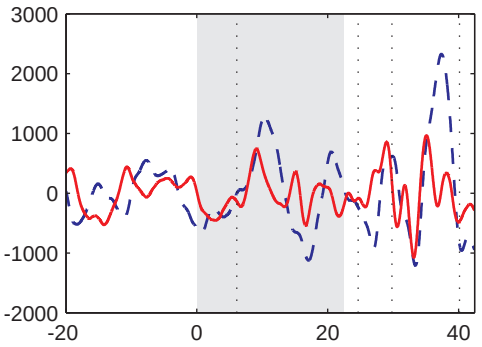
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



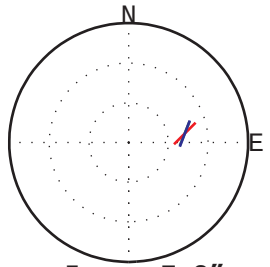


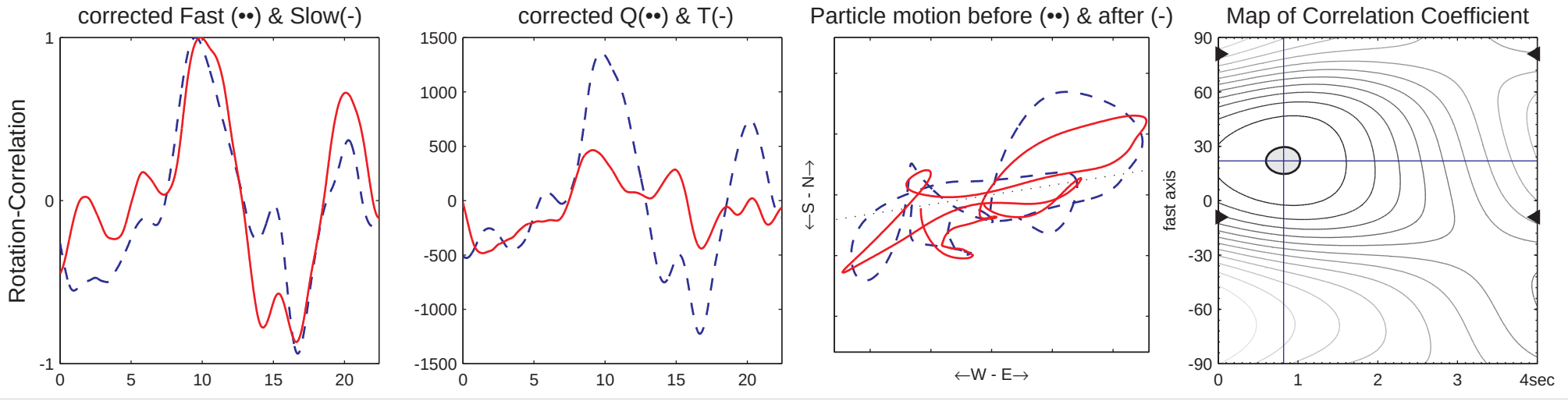


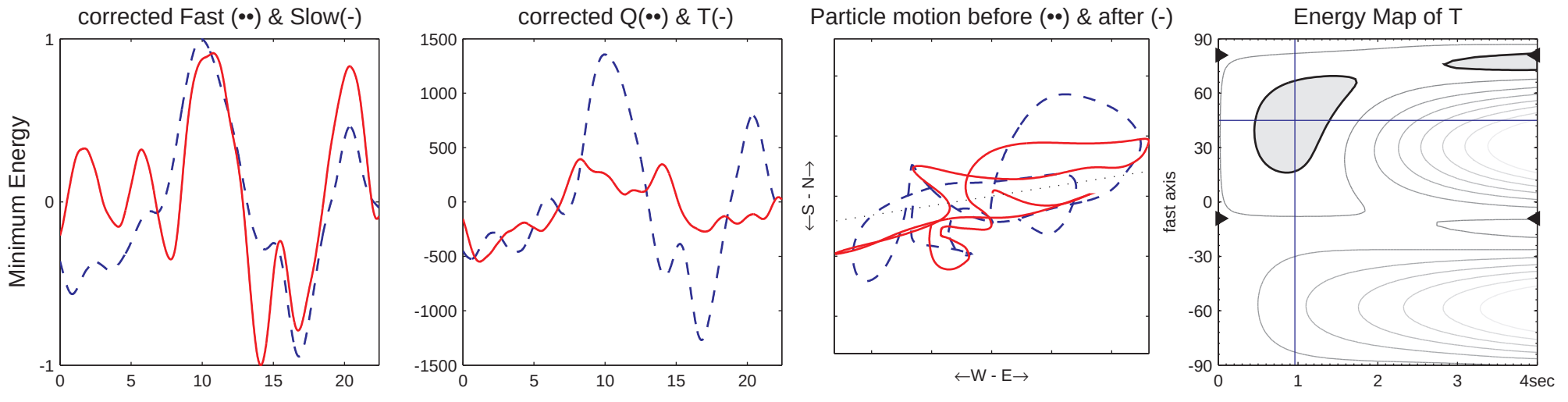
Event: **04-Aug-2010 (216) 22:01 -5.75N 150.76E 44km Mw=7.0**
Station: **SVRC** Backazimuth: **80.9”** Distance: **110.34”**
init.Pol.: **245.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.8**

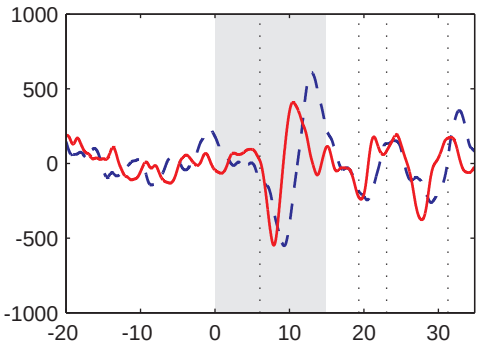
Rotation Correlation:	15<	22° <	30	0.6<0.8s<1.0
Minimum Energy:	15<	45° <	70	0.4<1.0s<1.7
Eigenvalue:	-3<	21° <	46	0.6<0.9s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





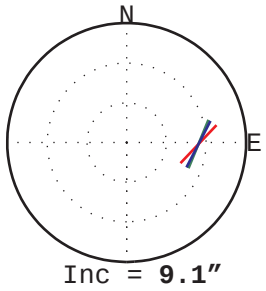


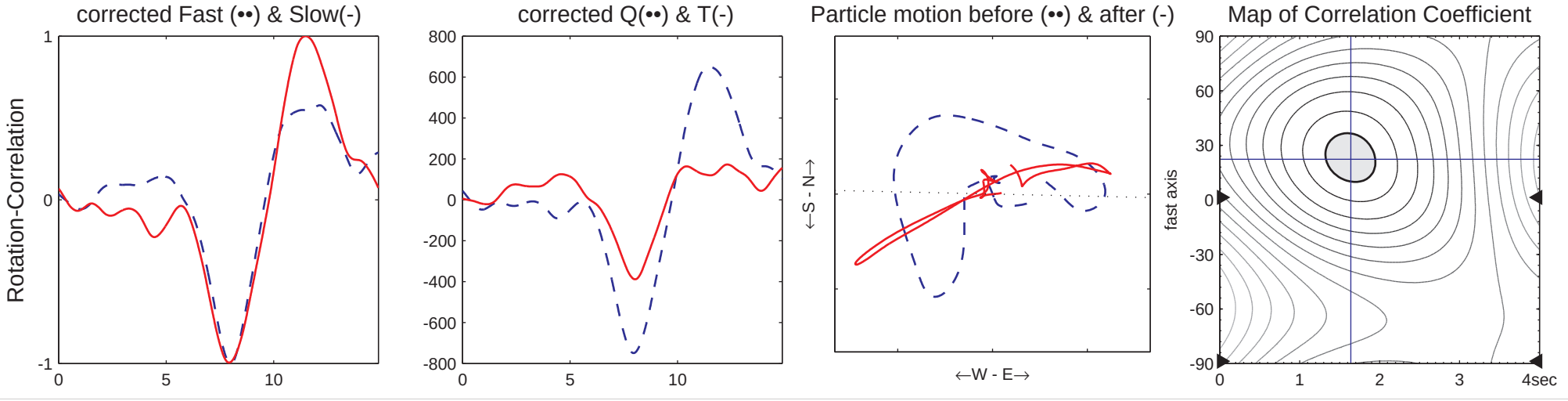


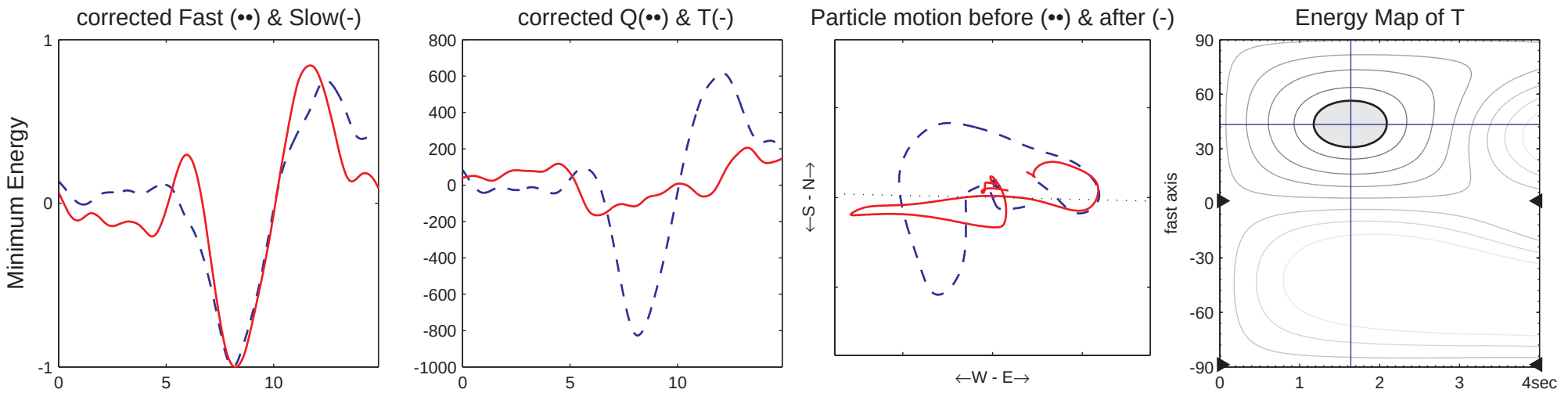
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **SVRC** Backazimuth: **91.3”** Distance: **96.91”**
init.Pol.: **253.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

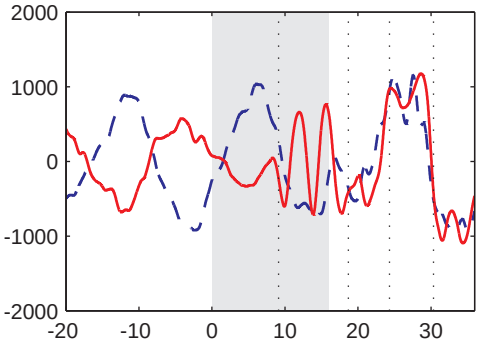
Rotation Correlation:	10<	22° <	37	1.3<1.6s<2.0
Minimum Energy:	31<	43° <	56	1.2<1.6s<2.1
Eigenvalue:	15<	27° <	37	1.4<1.6s<1.9

Quality: **fair** IsNull: **No** Phase: **SKS**





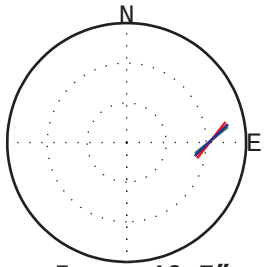




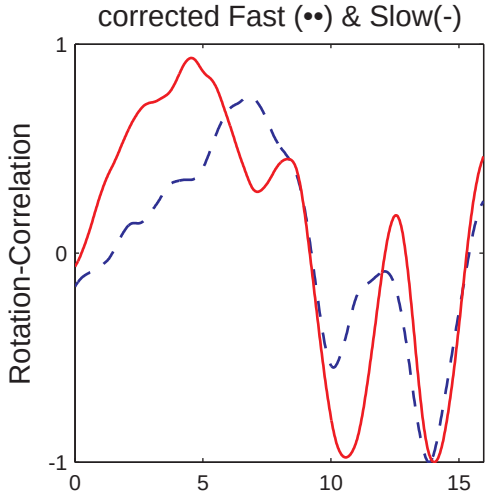
Event: **08-Oct-2010 (281) 05:43 2.83N 128.22E 120km Mw=6.2**
Station: **SVRC** Backazimuth: **88.5”** Distance: **87.39”**
init.Pol.: **282.4”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **2.7**

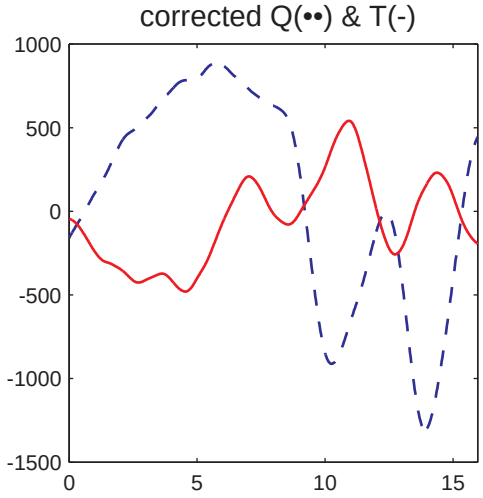
Rotation Correlation:	45<	51° <	60	1.1<1.3s<1.6
Minimum Energy:	27<	38° <	54	1.0<1.4s<1.9
Eigenvalue:	35<	46° <	60	1.0<1.4s<1.8

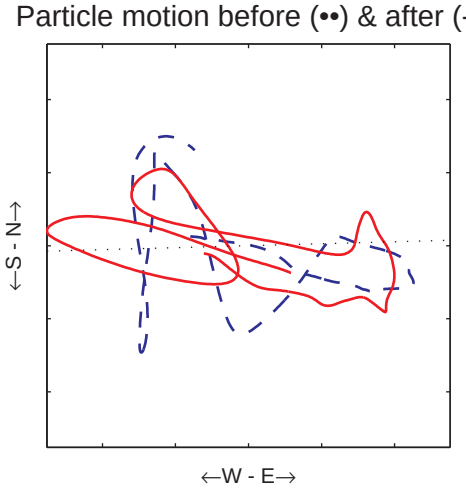
Quality: **fair** IsNull: **No** Phase: **SKS**

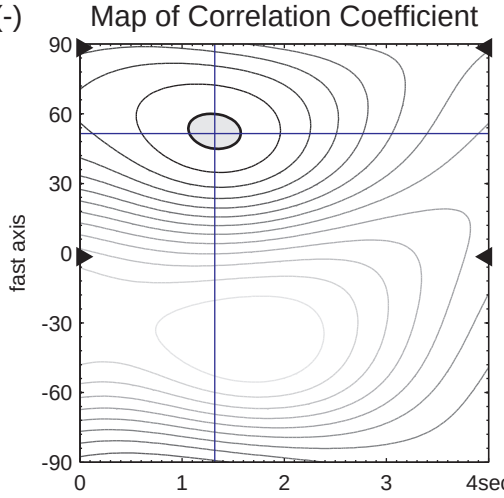


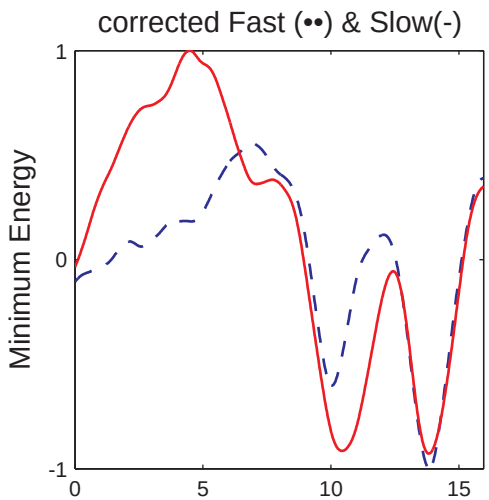
Inc = **10.7”**

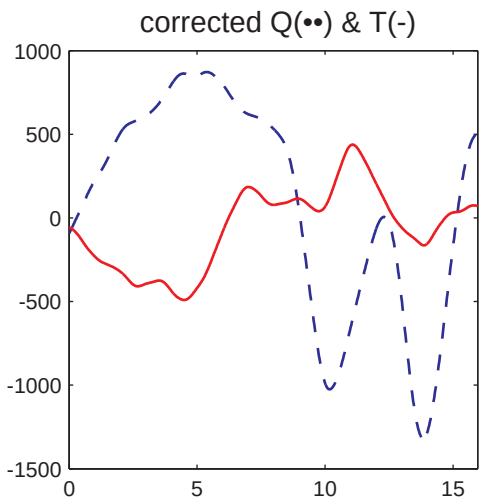


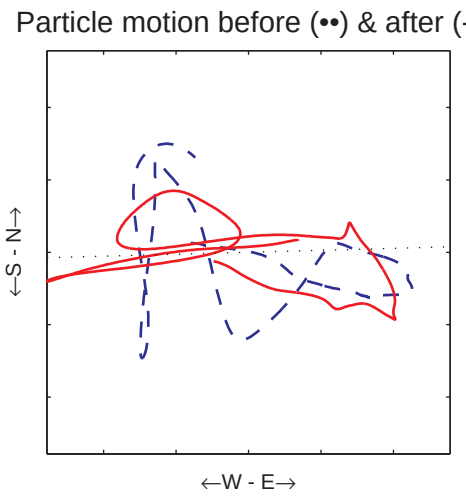


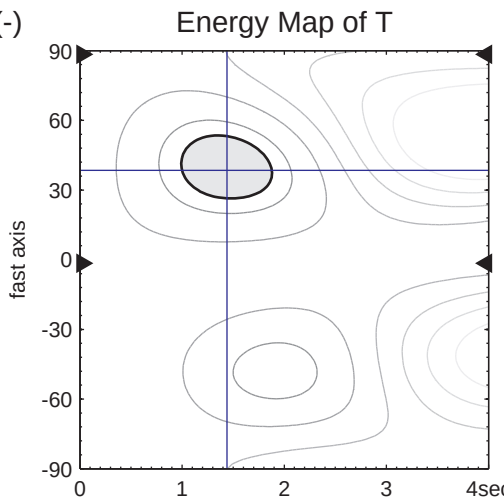


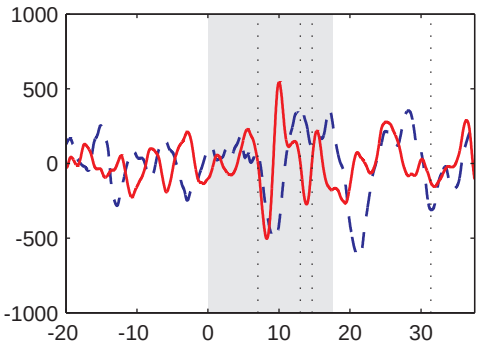








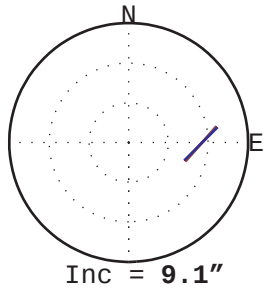


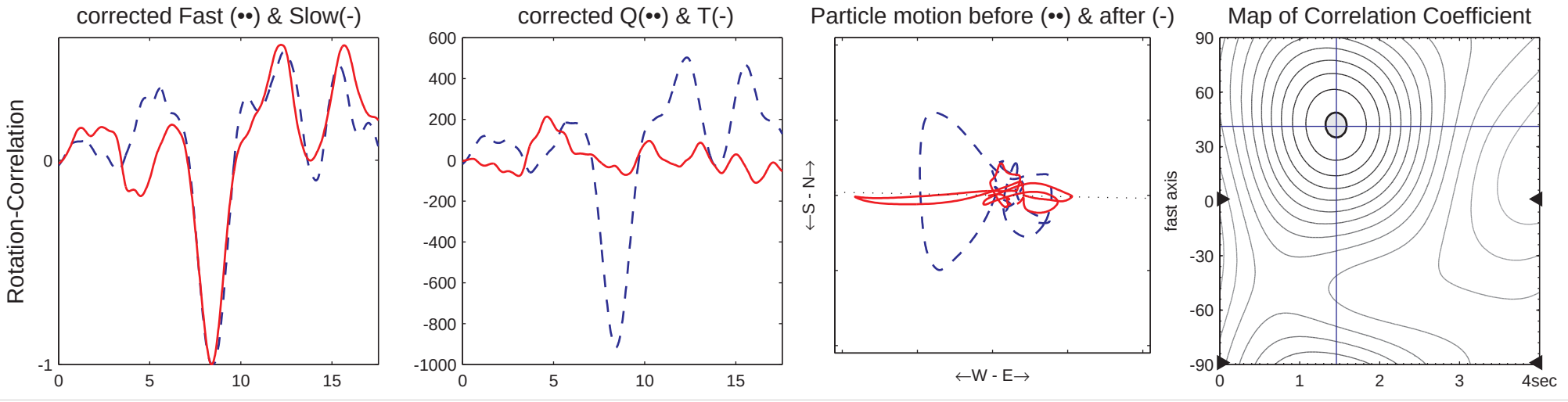


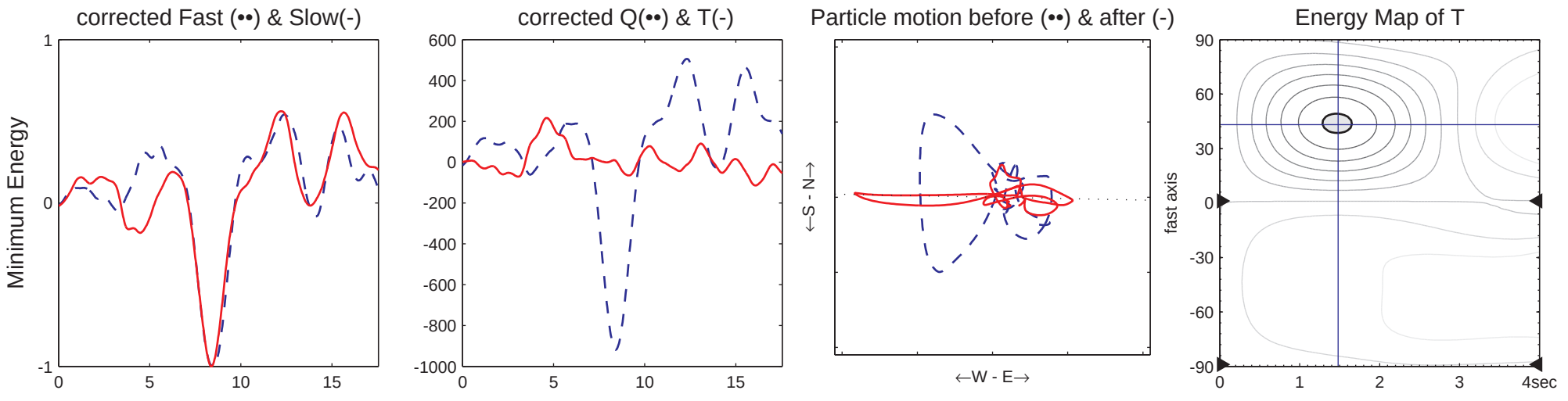
Event: **12-Oct-2010 (285) 10:21 -4.92N 133.71E 13km Mw=5.9**
Station: **SVRC** Backazimuth: **91.1”** Distance: **96.50”**
init.Pol.: **273.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.8**

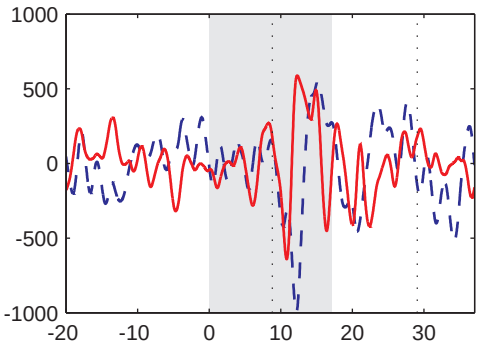
Rotation Correlation:	35<	41° <	49	1.3<1.5s<1.6
Minimum Energy:	39<	43° <	50	1.3<1.5s<1.6
Eigenvalue:	35<	45° <	54	1.3<1.5s<1.6

Quality: **good** IsNull: **No** Phase: **SKS**





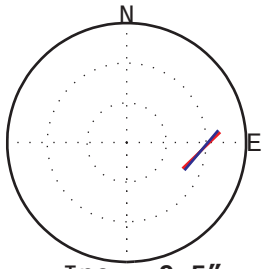




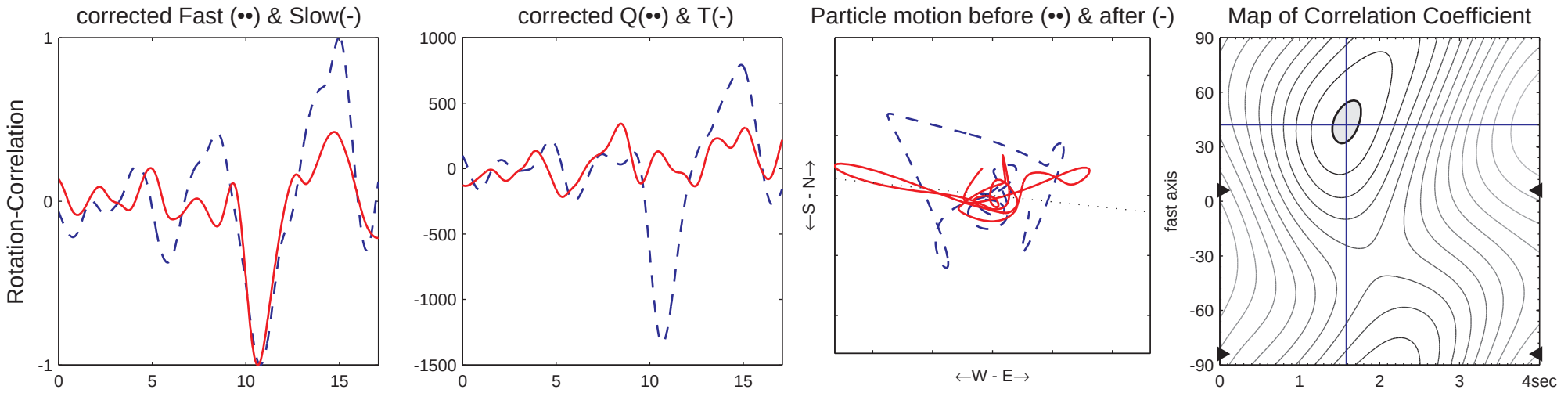
Event: **15-Dec-2010 (349) 11:29 -7.27N 128.79E 134km Mw=6.0**
Station: **SVRC** Backazimuth: **96.0”** Distance: **94.10”**
init.Pol.: **268.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.0**

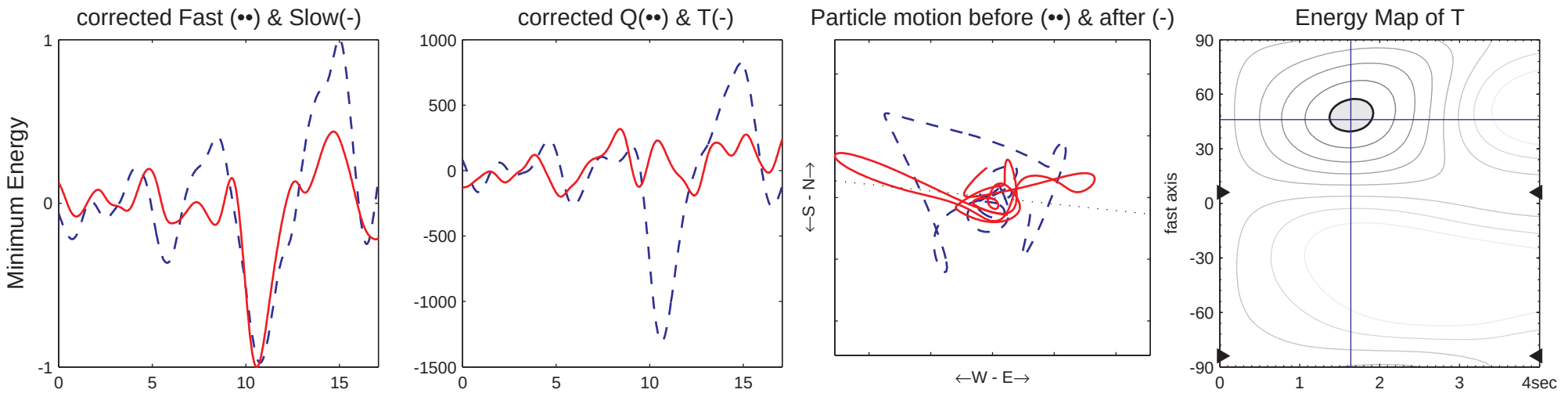
Rotation Correlation:	32<	42° <	56	1.4<1.6s<1.8
Minimum Energy:	39<	46° <	58	1.4<1.6s<1.9
Eigenvalue:	27<	40° <	60	1.4<1.6s<1.9

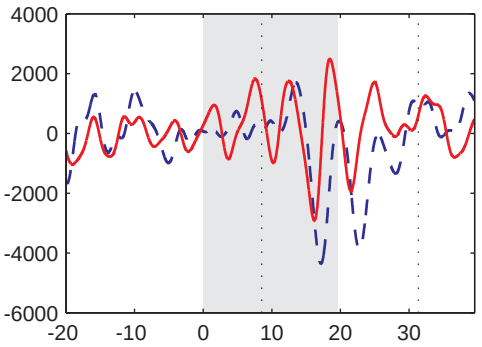
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **9.5”**



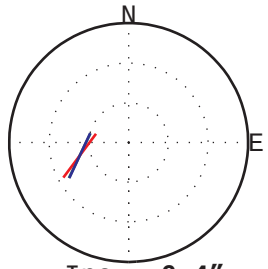




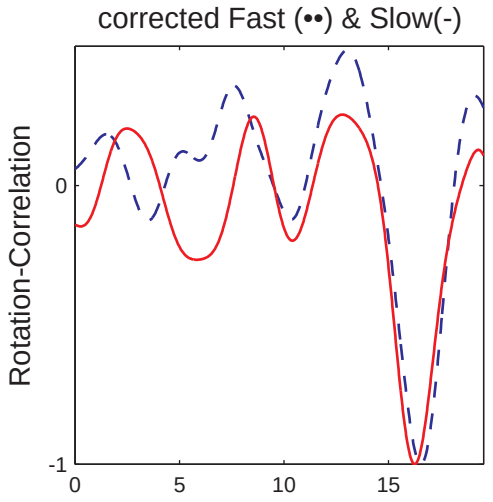
Event: **01-Jan-2011 (001) 09:56 -26.80N -63.14E 576km** Mw=**7.0**
Station: **SVRC** Backazimuth: **255.0”** Distance: **115.51”**
init.Pol.: **61.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

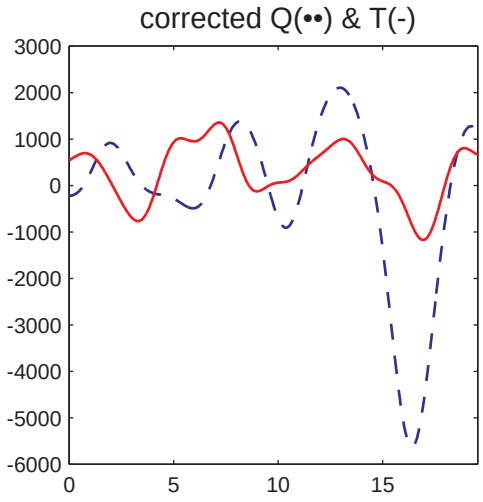
Rotation Correlation:	12<	26° <	40	1.2<1.6s<1.8
Minimum Energy:	27<	37° <	46	1.3<1.7s<2.1
Eigenvalue:	7<	25° <	39	1.2<1.6s<1.9

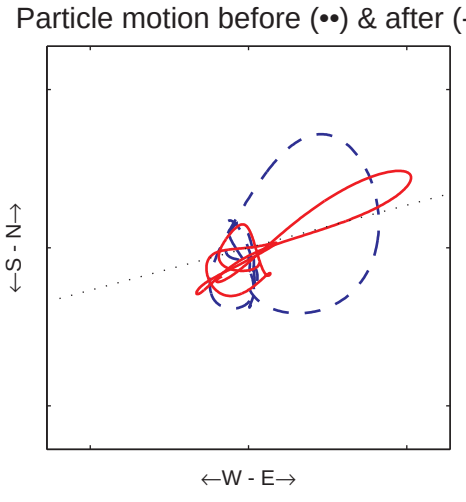
Quality: **fair** IsNull: **No** Phase: **SKS**

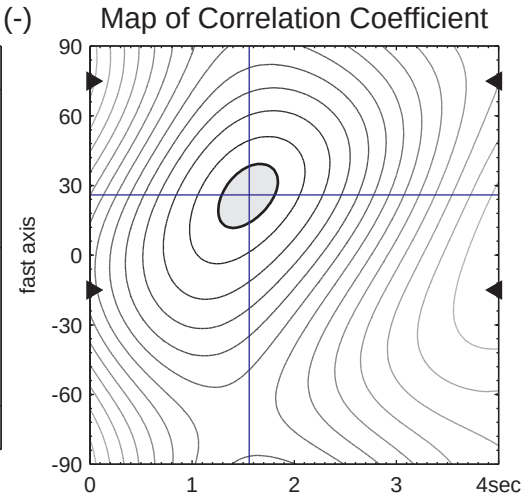


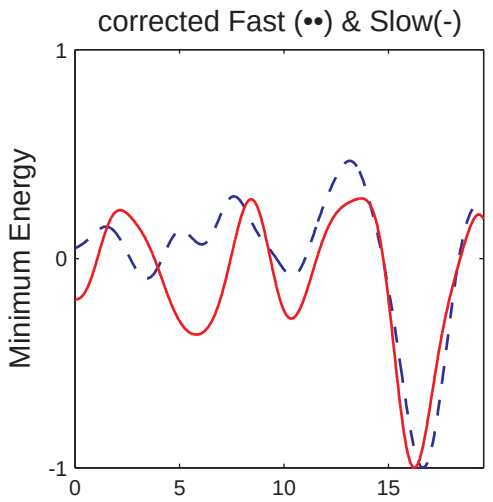
Inc = **6.4”**

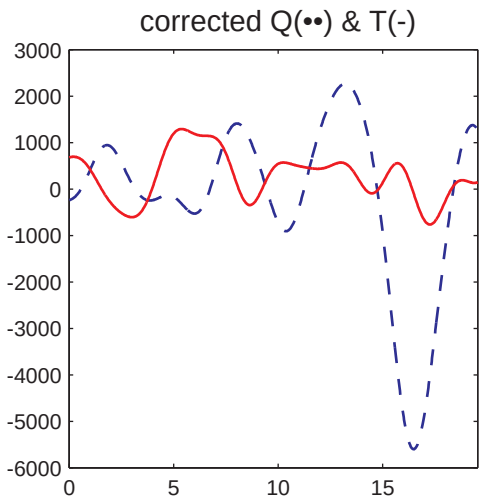


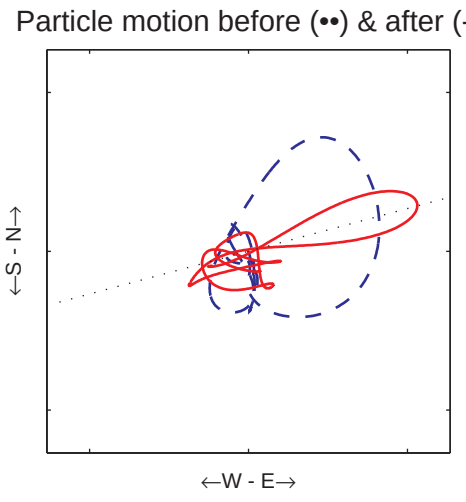


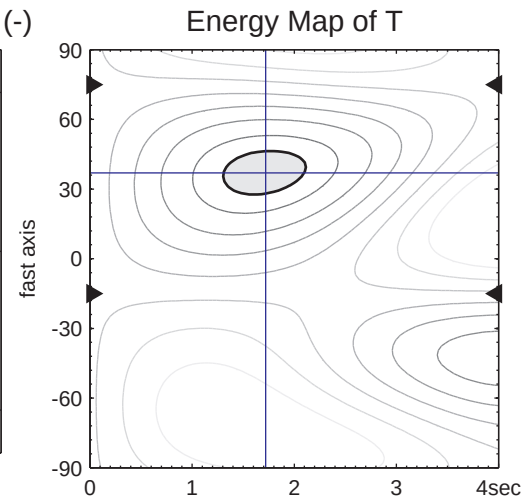


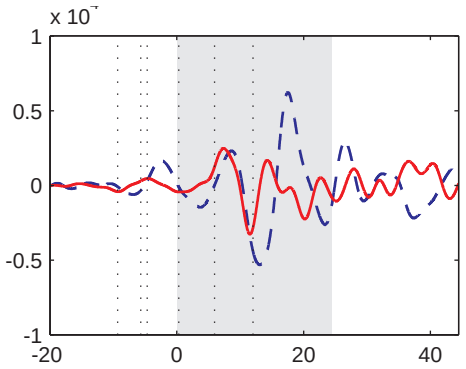








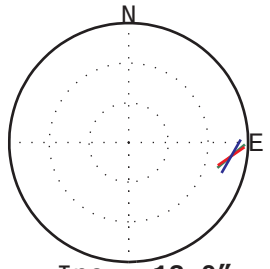




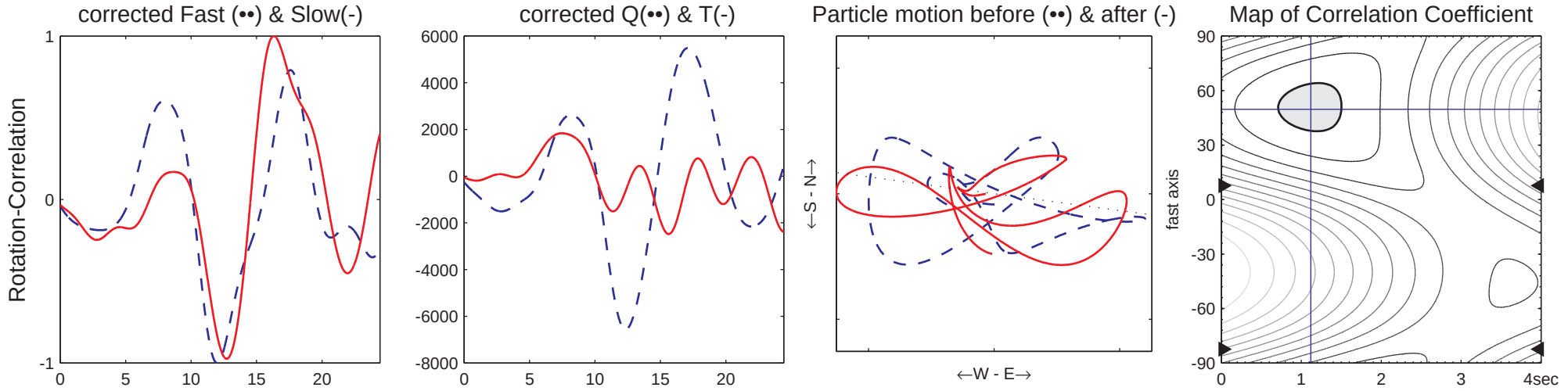
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **SVRC** Backazimuth: **97.7”** Distance: **87.75”**
init.Pol.: **270.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.0**

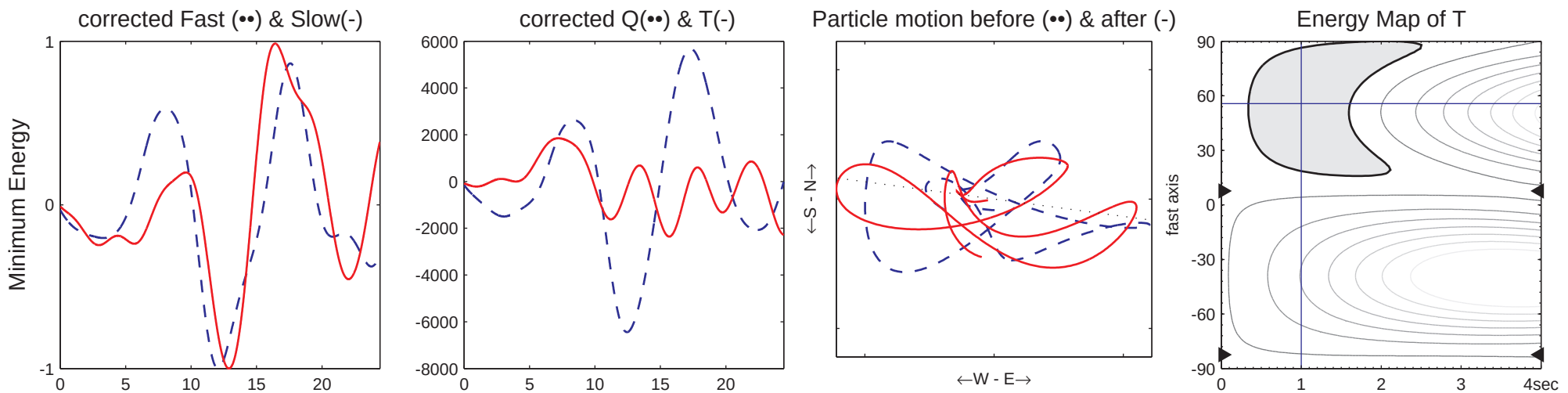
Rotation Correlation:	38<	50° <	64	0.7<1.1s<1.5
Minimum Energy:	15<	56° <	-92	0.3<1.0s<2.5
Eigenvalue:	-11<	30° <	-76	0.4<1.2s<3.4

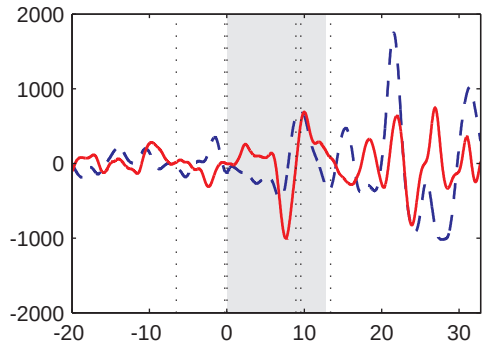
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



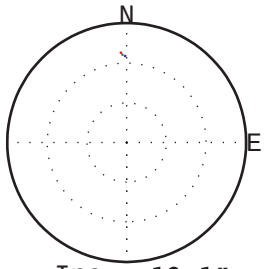


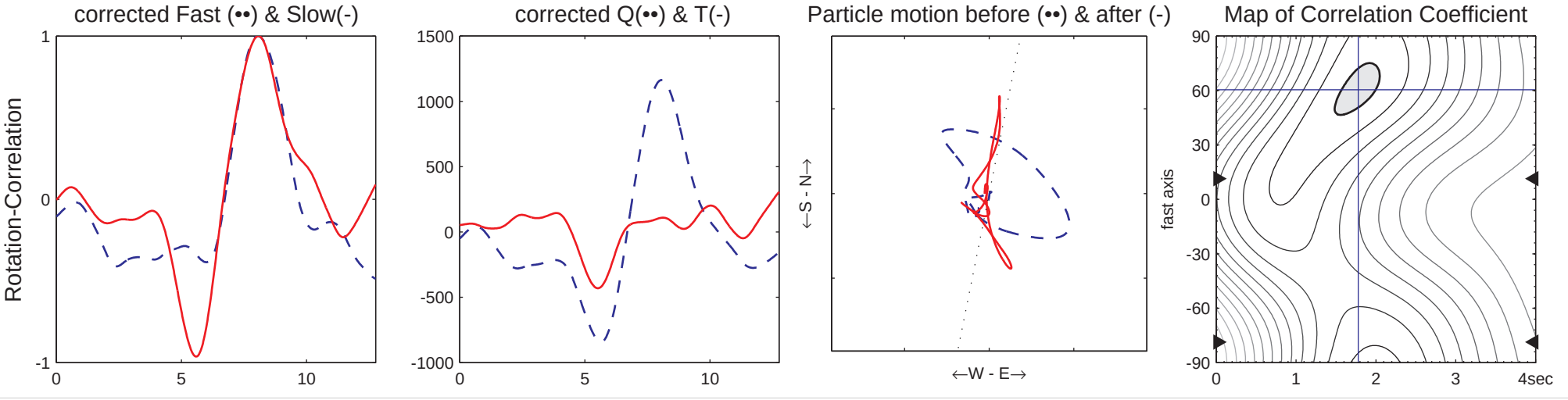


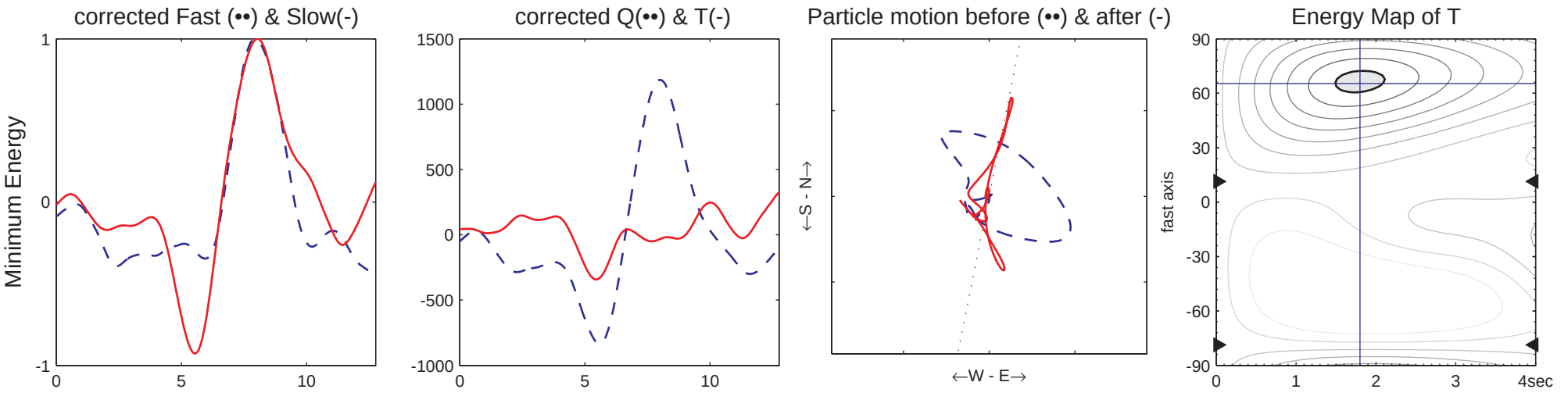
Event: **05-May-2011 (125) 16:57 55.02N -160.69E 36km Mw=5.8**
Station: **SVRC** Backazimuth: **11.3”** Distance: **85.05”**
init.Pol.: **176.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.4**

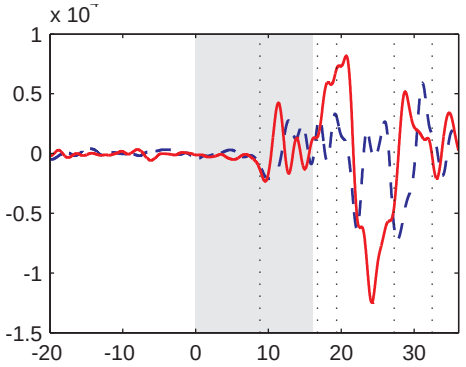
Rotation Correlation:	47<	60° <	75	1.5<1.8s<2.0
Minimum Energy:	60<	65° <	72	1.5<1.8s<2.1
Eigenvalue:	37<	55° <	72	1.3<1.7s<2.0

Quality: **fair** IsNull: **No** Phase: **SKKS**





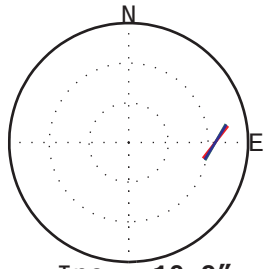




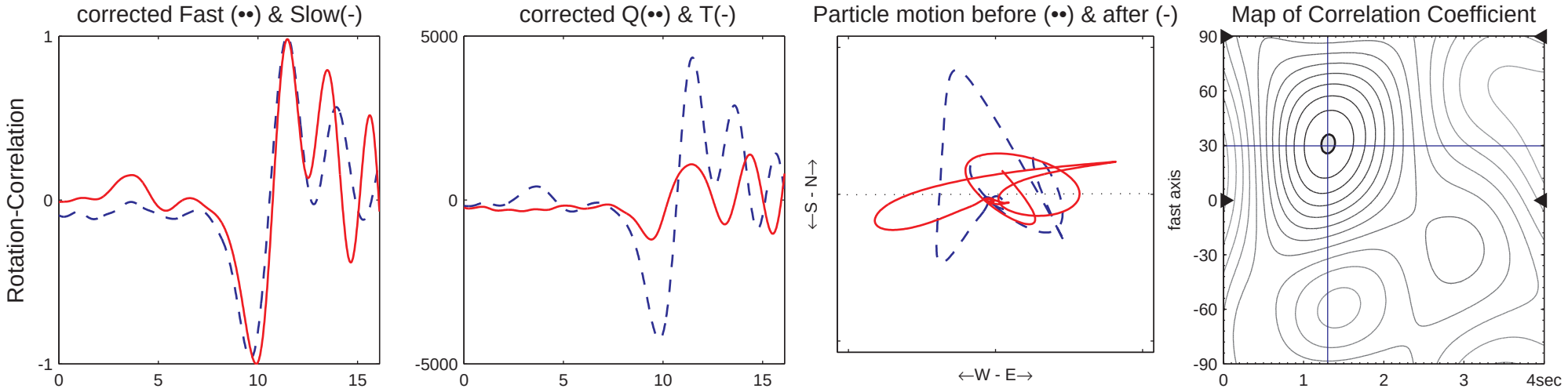
Event: **13-Jun-2011 (164) 14:31 2.52N 126.46E 61km Mw=6.3**
Station: **SVRC** Backazimuth: **89.8”** Distance: **86.21”**
init.Pol.: **260.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.6**

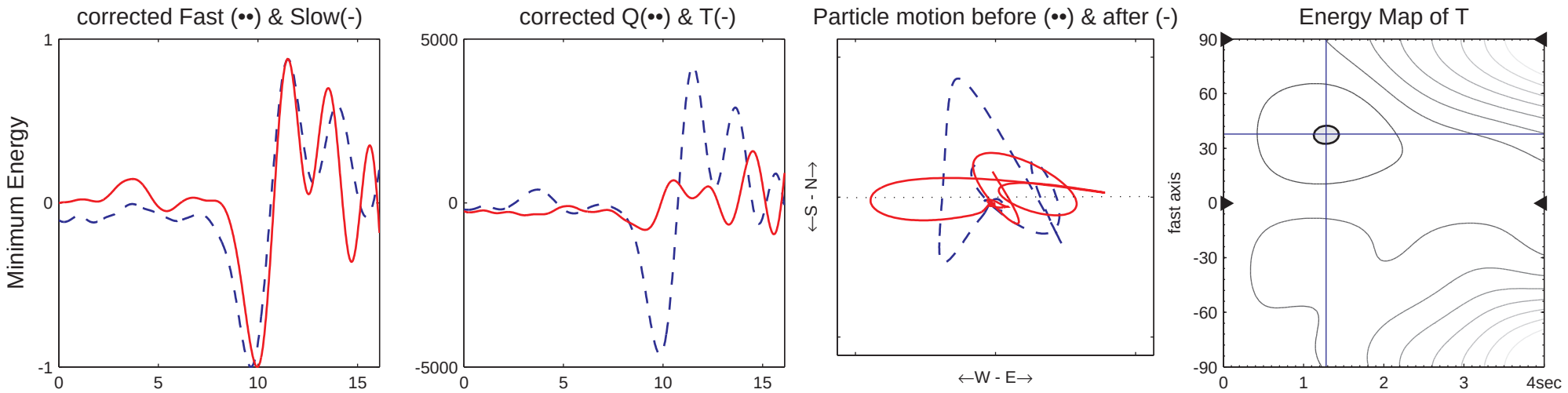
Rotation Correlation:	26<	30° <	36	1.2<1.3s<1.4
Minimum Energy:	33<	38° <	41	1.1<1.3s<1.4
Eigenvalue:	23<	32° <	39	1.1<1.3s<1.4

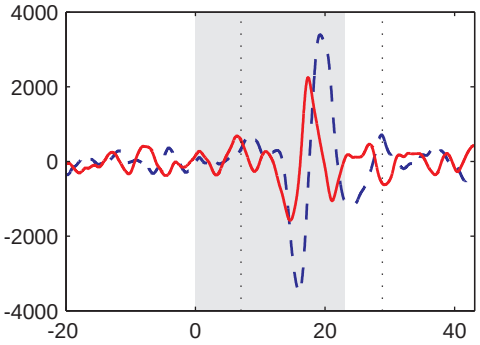
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.9”**



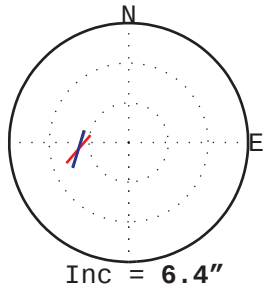


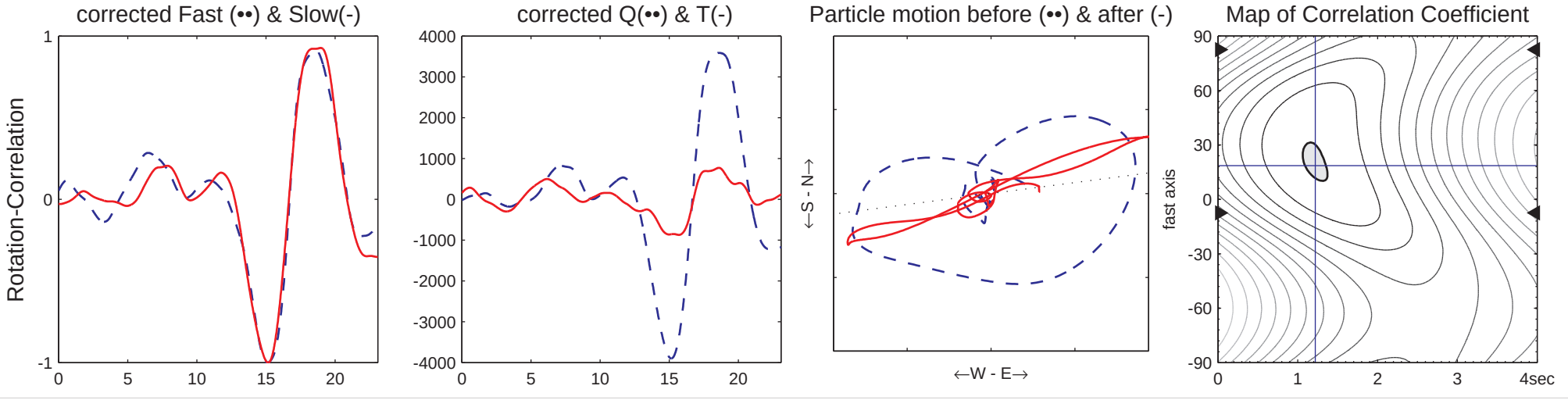


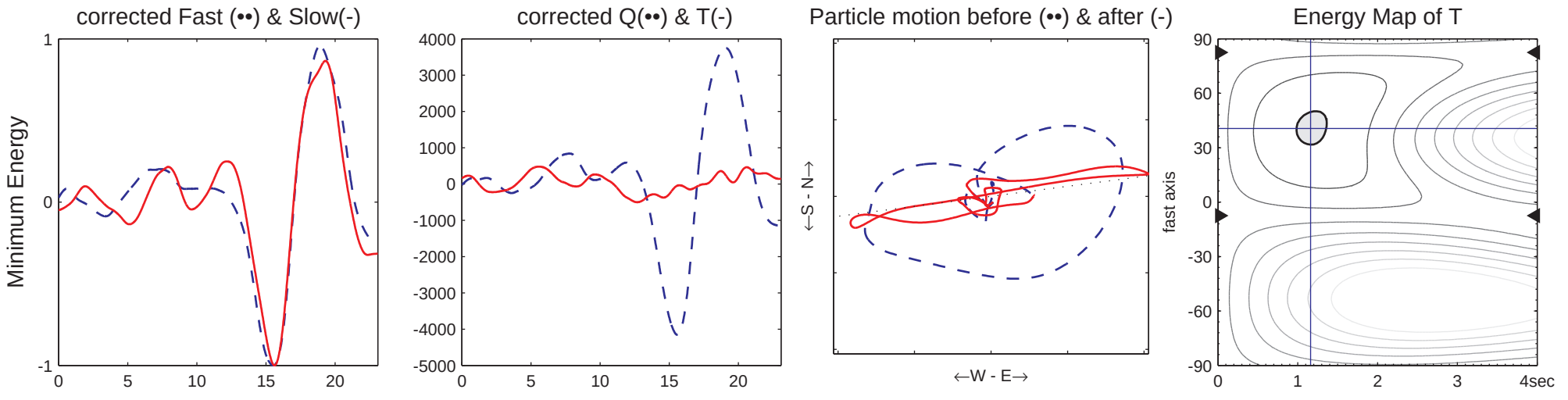
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **SVRC** Backazimuth: **262.5”** Distance: **116.68”**
init.Pol.: **69.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.2**

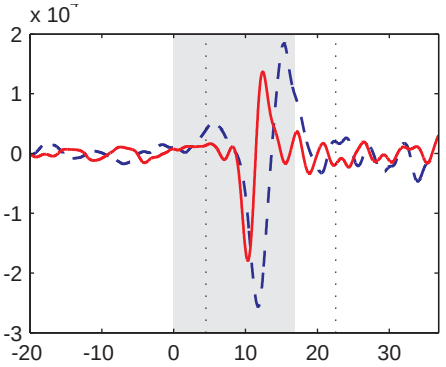
Rotation Correlation:	11<	19° <	32	1.1<1.2s<1.4
Minimum Energy:	31<	41° <	50	1.0<1.2s<1.4
Eigenvalue:	7<	17° <	29	1.1<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





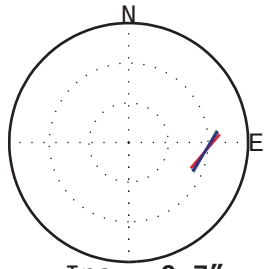


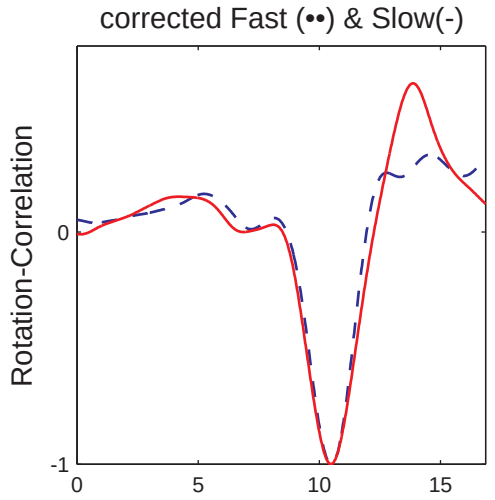


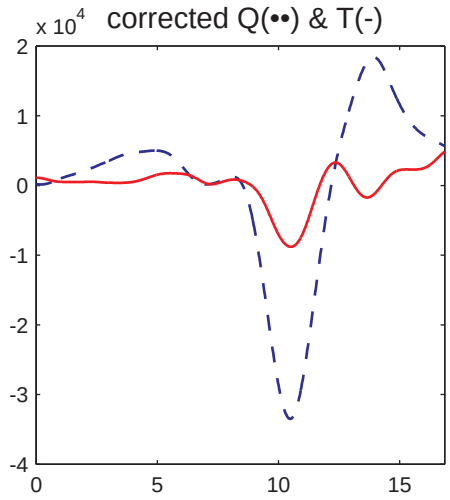
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **SVRC** Backazimuth: **96.6”** Distance: **91.95”**
init.Pol.: **267.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.3**

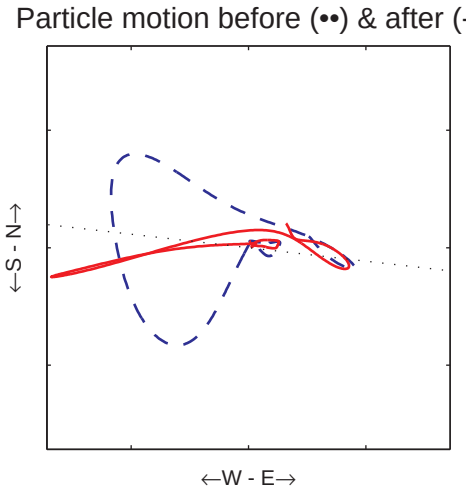
Rotation Correlation:	25<	30° <	39	1.3<1.5s<1.7
Minimum Energy:	35<	41° <	48	1.2<1.4s<1.6
Eigenvalue:	25<	33° <	39	1.3<1.5s<1.7

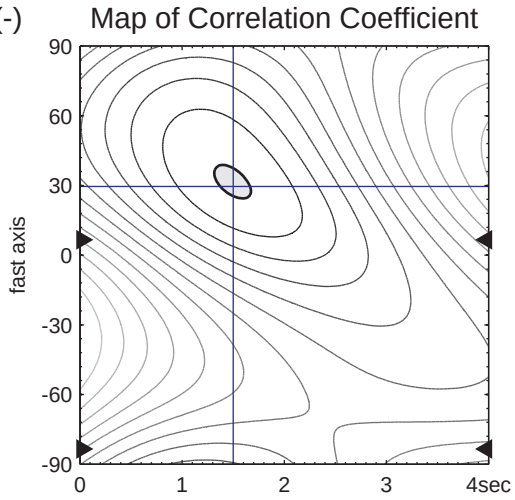
Quality: **fair** IsNull: **No** Phase: **SKS**

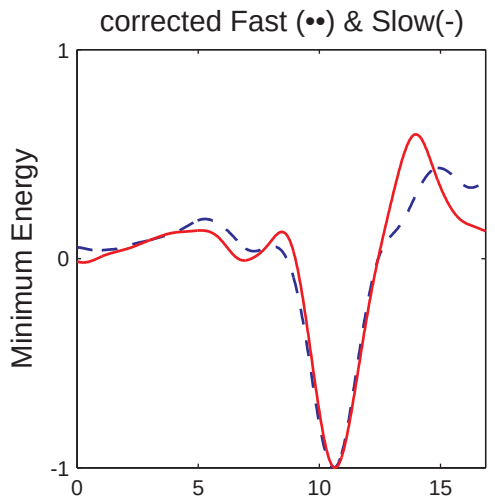


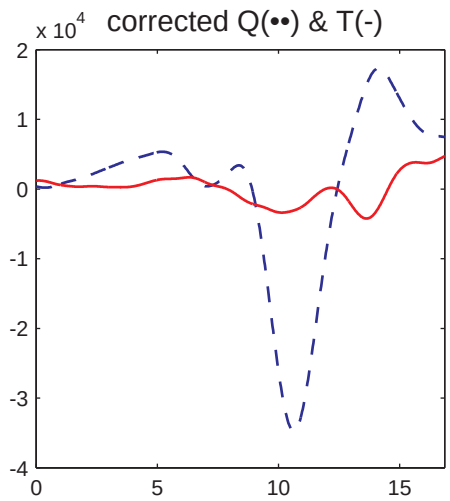


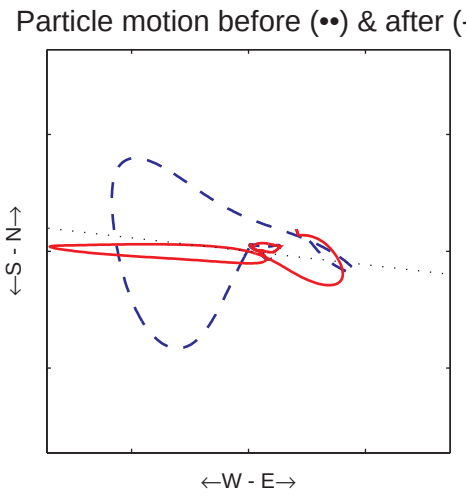


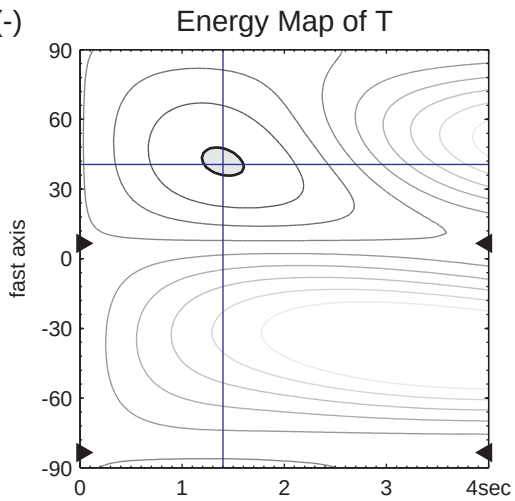


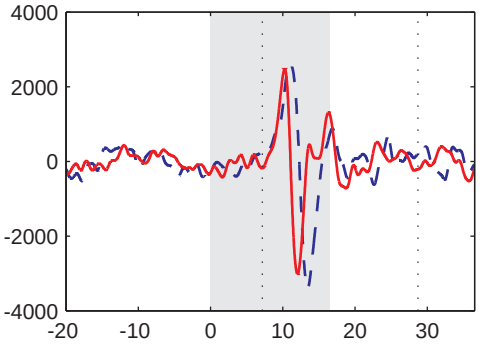








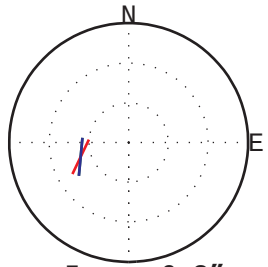


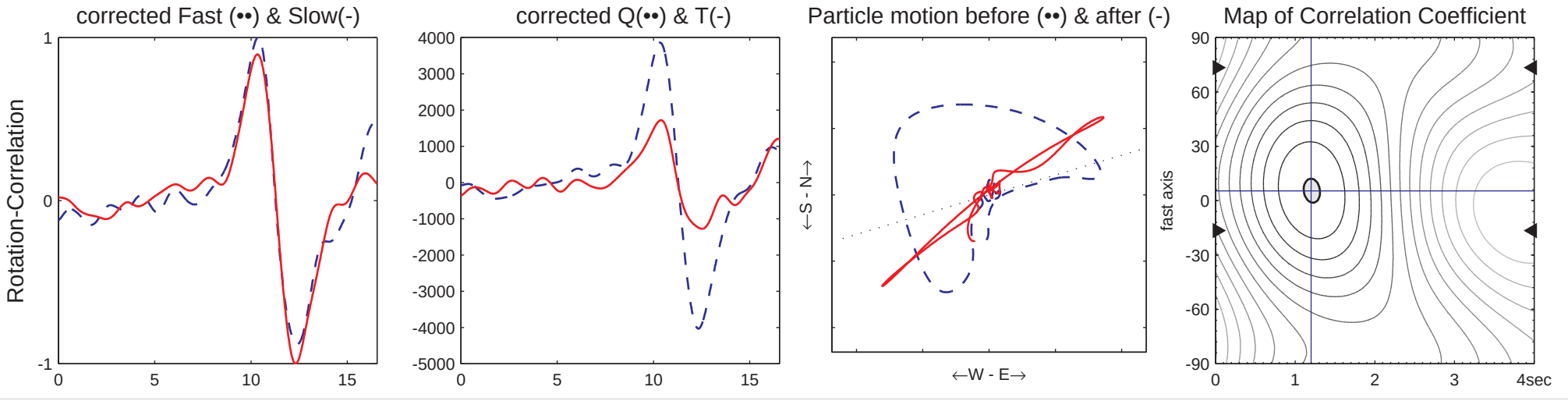


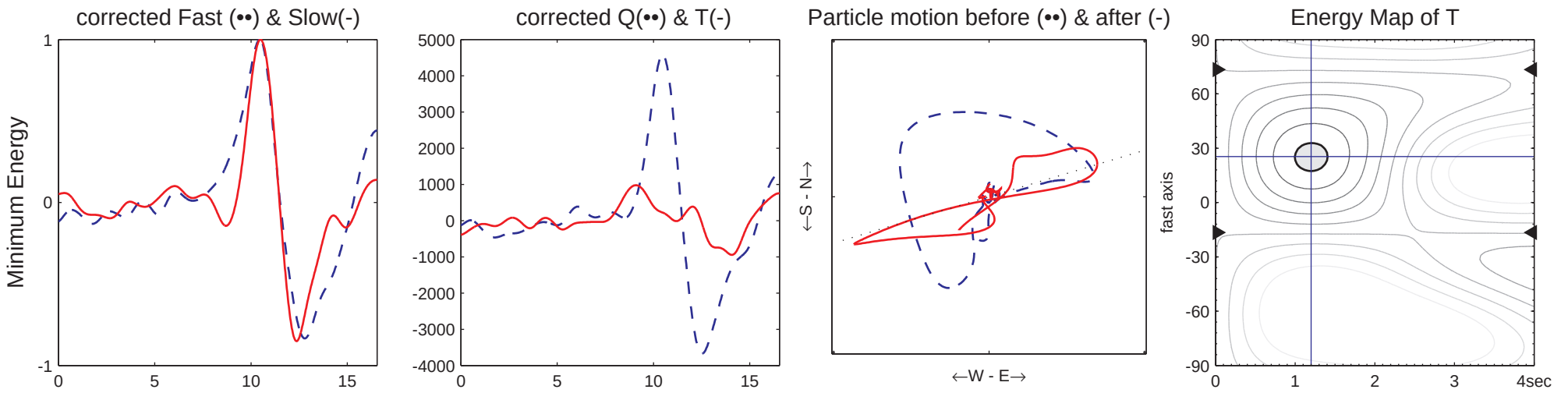
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km Mw=6.7**
Station: **SVRC** Backazimuth: **253.4”** Distance: **116.27”**
init.Pol.: **51.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.4**

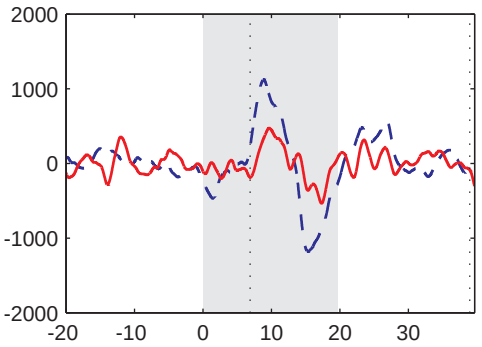
Rotation Correlation:	-2<	5° <	13	1.1<1.2s<1.3
Minimum Energy:	17<	25° <	33	1.0<1.2s<1.4
Eigenvalue:	-1<	5° <	11	1.1<1.2s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





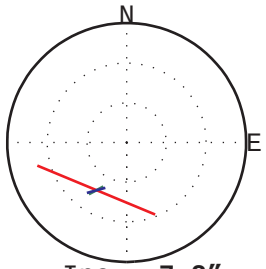




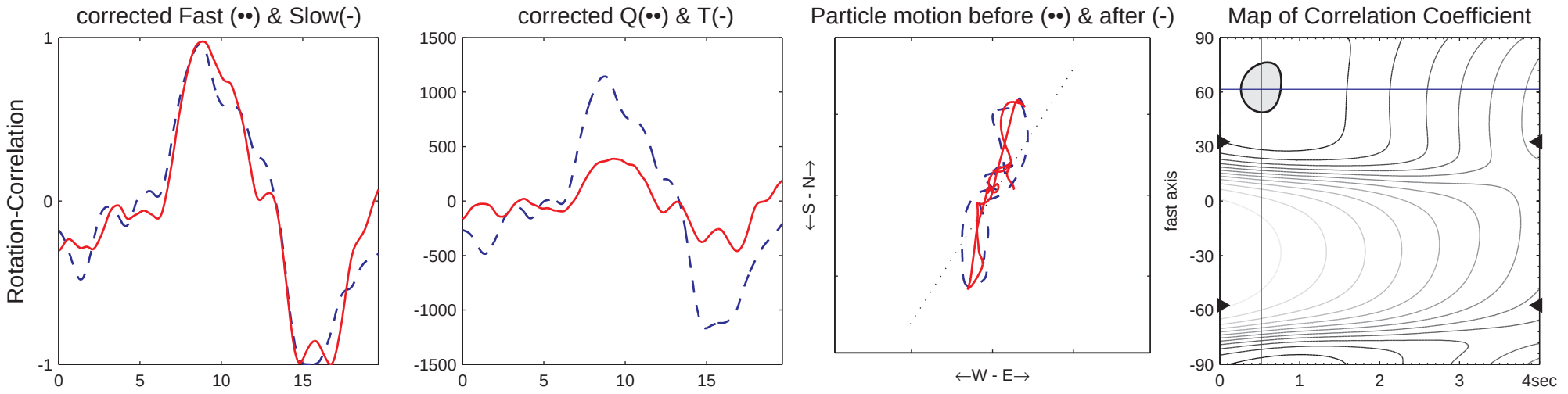
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **SVRC** Backazimuth: **212.5”** Distance: **110.01”**
init.Pol.: **15.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

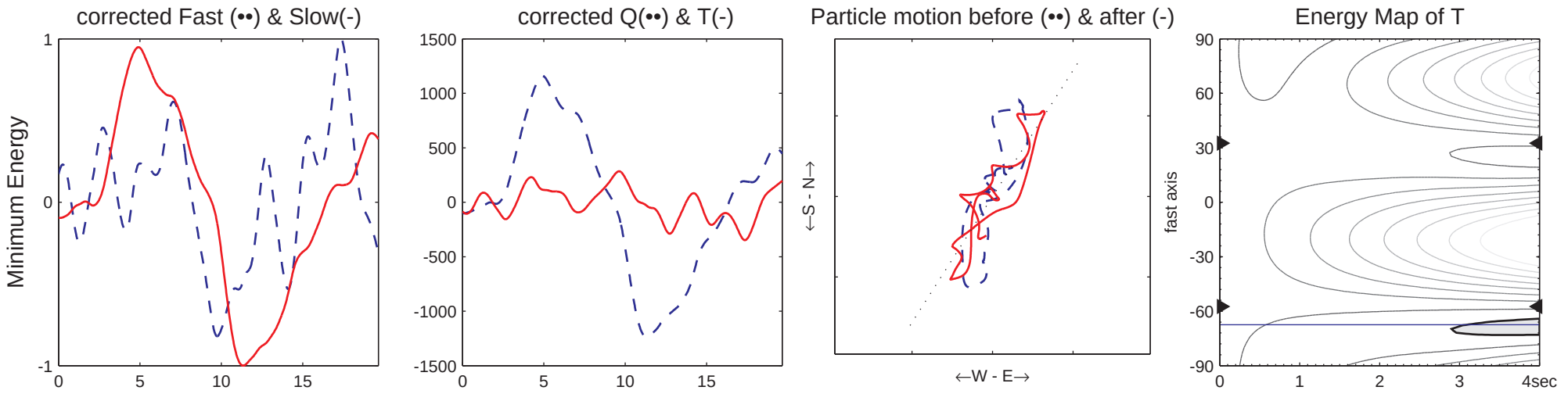
Rotation Correlation:	49<	62° <	76 0.3<0.5s<0.8
Minimum Energy:	-76<	-67° <	-66 2.9<4.0s<4.0
Eigenvalue:	43<	75° <	-88 0.3<0.6s<1.2

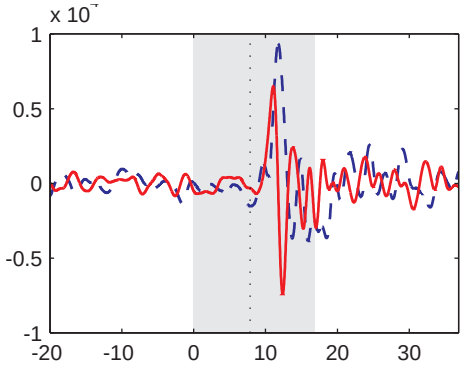
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.2”**



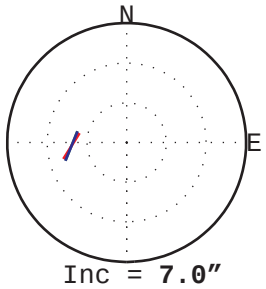


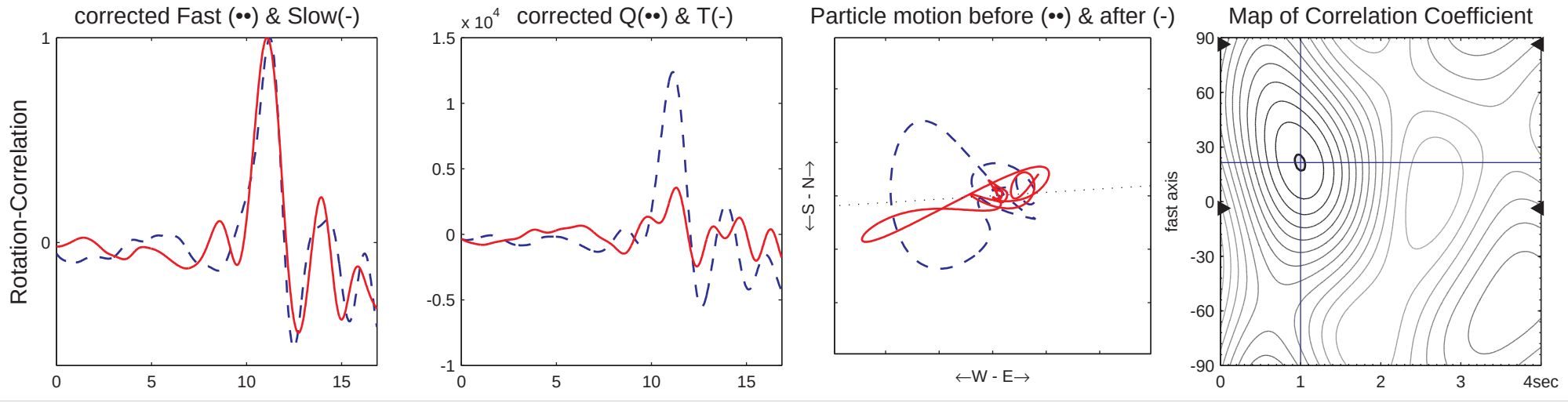


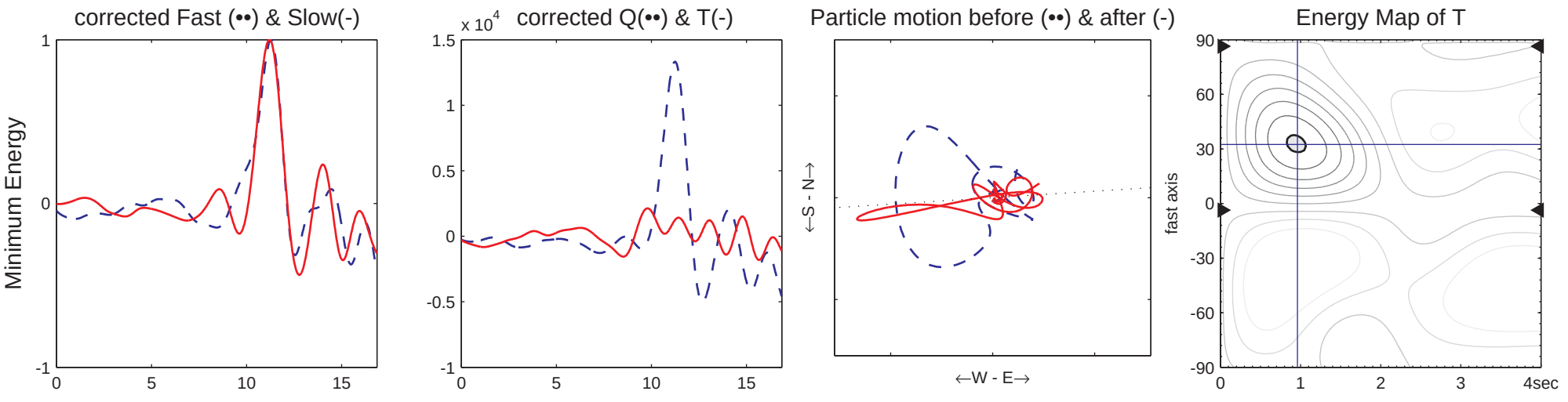
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **SVRC** Backazimuth: **266.4”** Distance: **110.64”**
init.Pol.: **73.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **7.8**

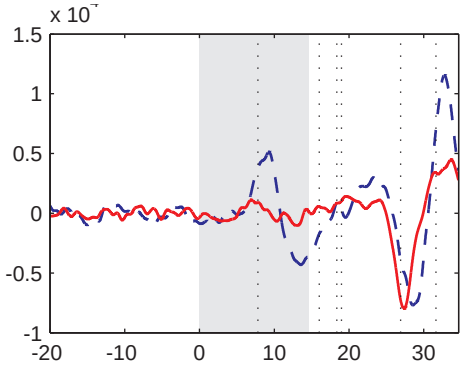
Rotation Correlation:	17<	21° <	26	0.9<1.0s<1.0
Minimum Energy:	27<	32° <	37	0.8<1.0s<1.1
Eigenvalue:	17<	22° <	29	0.9<1.0s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





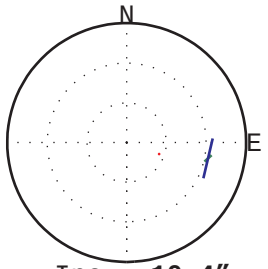




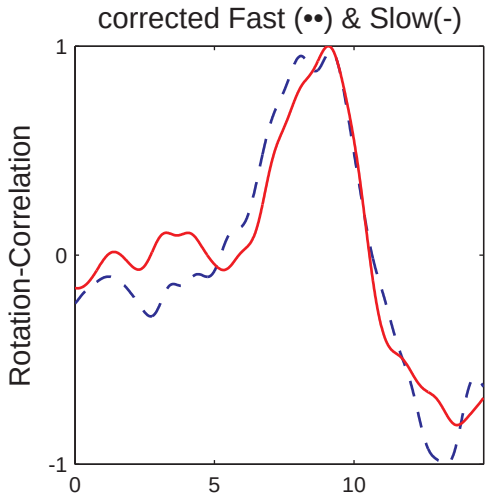
Event: **08-Nov-2009 (312) 19:41 -8.21N 118.63E 18km Mw=6.6**
Station: **TAHT** Backazimuth: **101.1”** Distance: **88.85”**
init.Pol.: **272.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

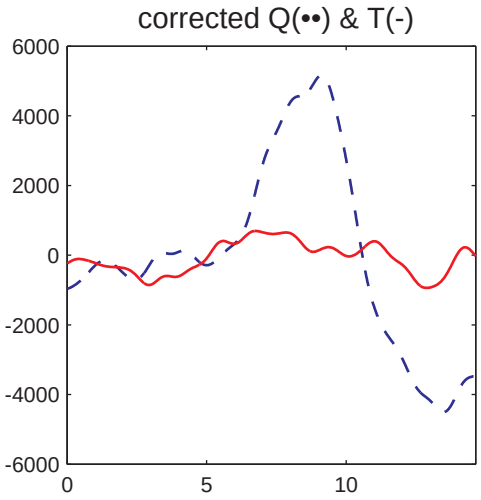
Rotation Correlation:	27<	47° <	68	0.0<0.3s<0.7
Minimum Energy:	15<	-85° <	-82	0.1<3.1s<4.0
Eigenvalue:	3<	13° <	88	0.2<1.3s<2.9

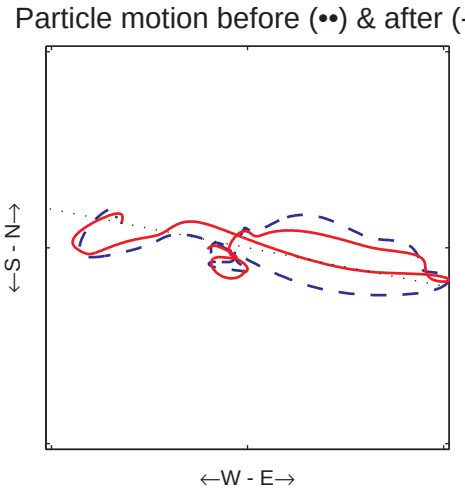
Quality: **good** IsNull: **Yes** Phase: **SKS**

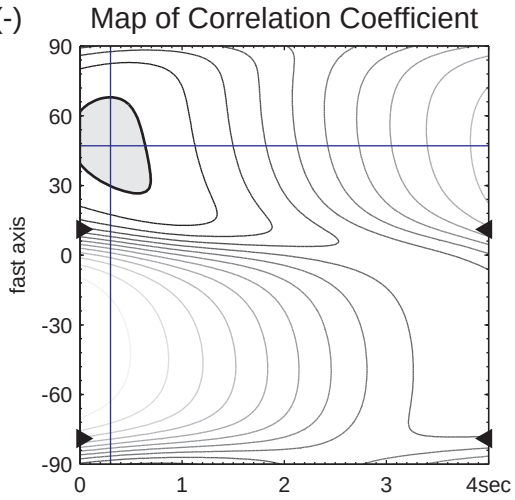


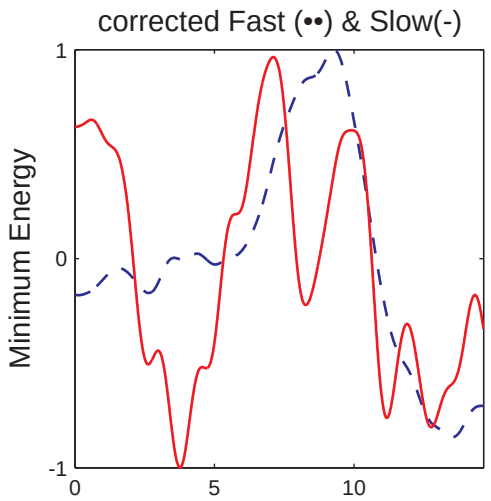
Inc = **10.4”**

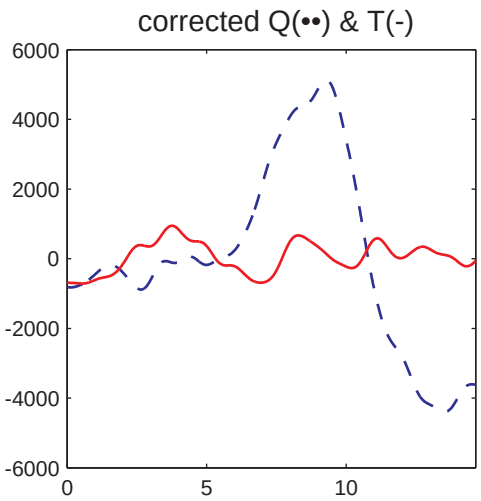


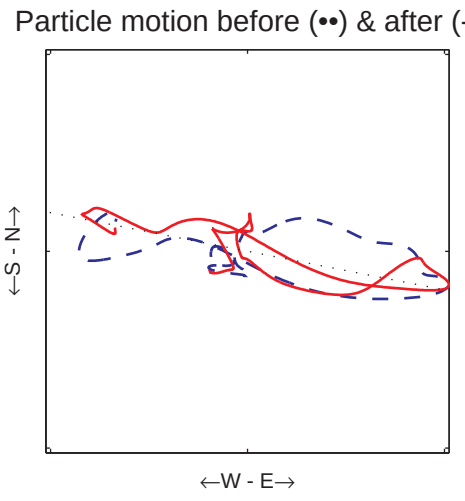


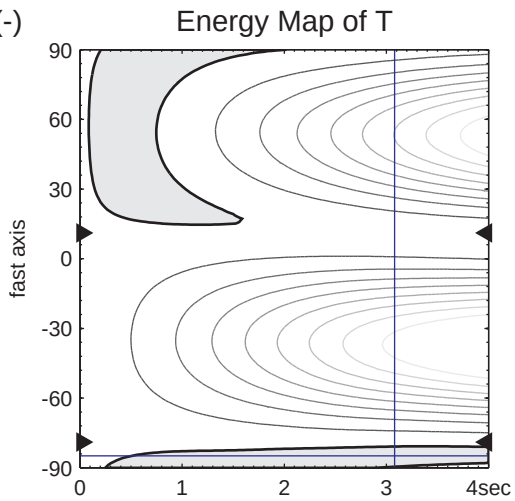


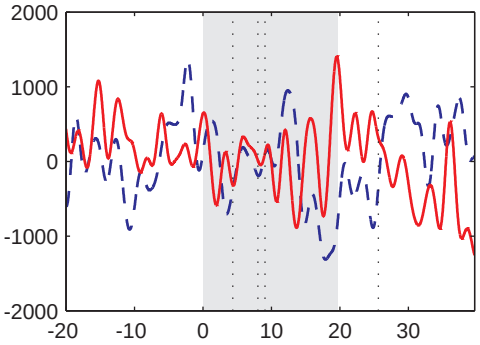








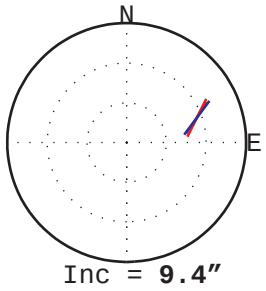


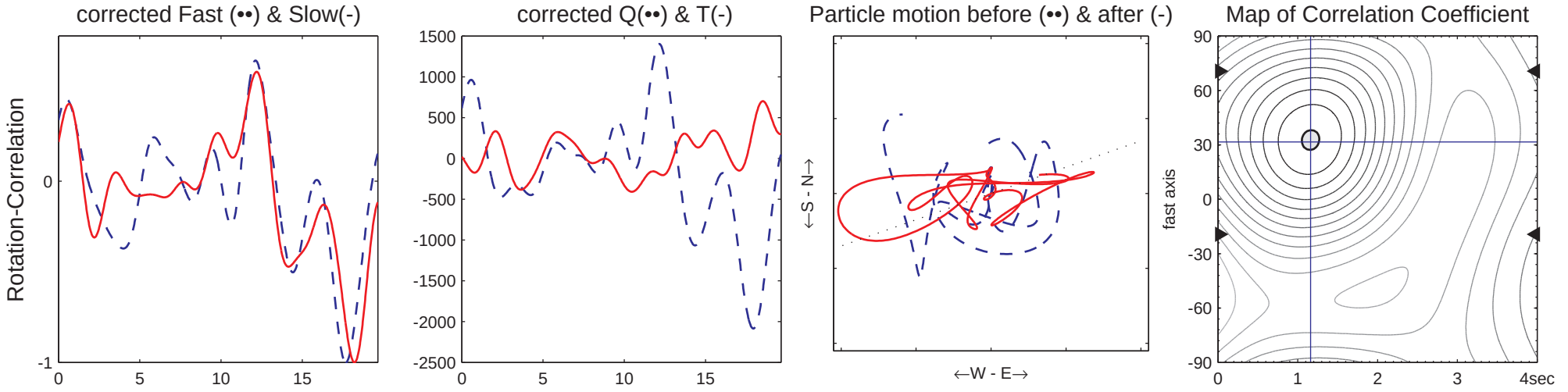


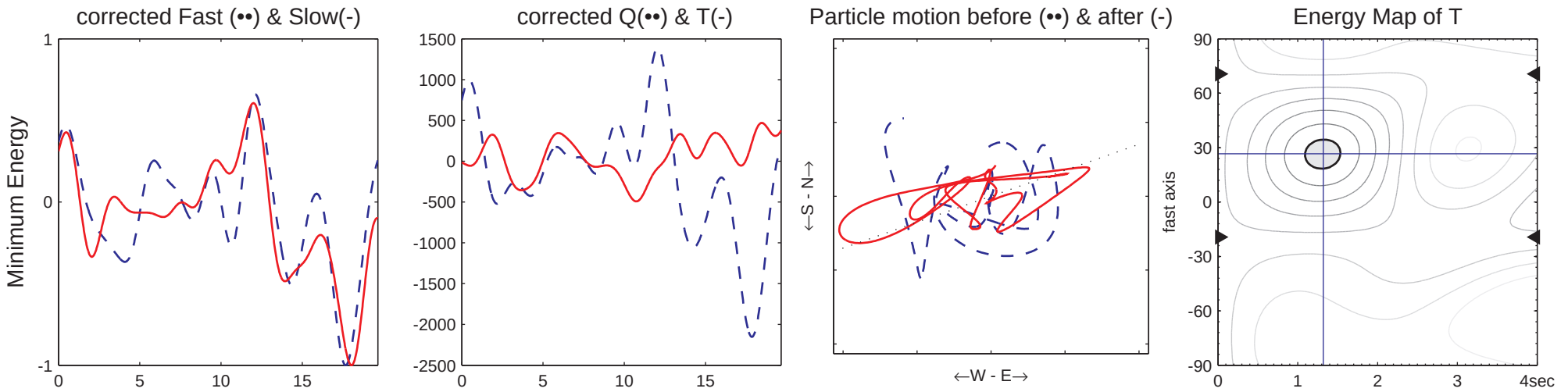
Event: **02-Jan-2010 (002) 08:45 12.42N 141.95E 8km Mw=6.1**
Station: **TAHT** Backazimuth: **70.6”** Distance: **94.94”**
init.Pol.: **264.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

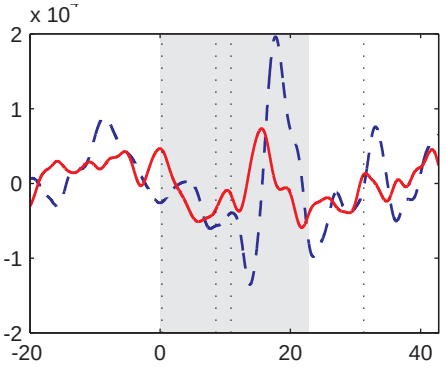
Rotation Correlation:	28<	32° <	38	1.0<1.2s<1.3
Minimum Energy:	19<	27° <	35	1.1<1.3s<1.5
Eigenvalue:	27<	37° <	50	1.1<1.3s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





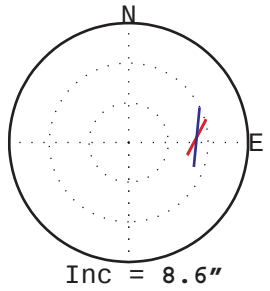


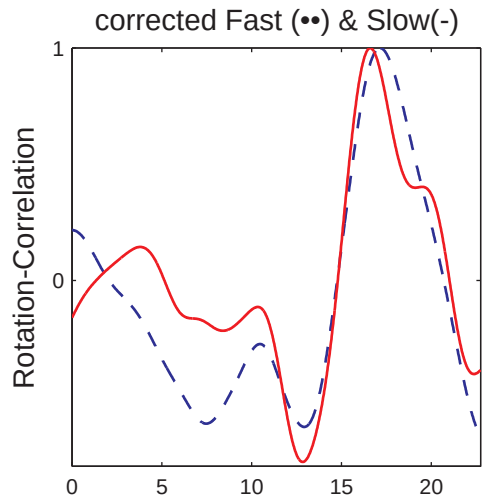


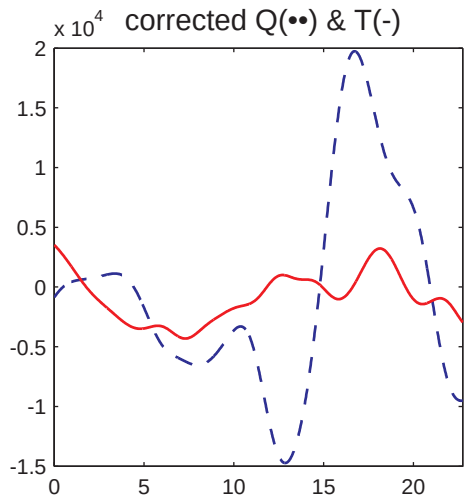
Event: **16-Jun-2010 (167) 03:16 -2.17N 136.54E 18km Mw=7.0**
Station: **TAHT** Backazimuth: **85.6”** Distance: **99.62”**
init.Pol.: **251.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.9**

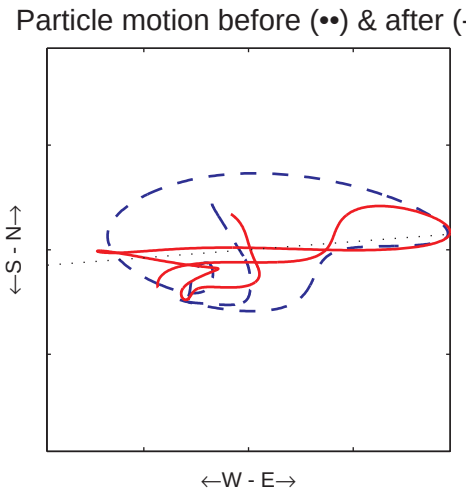
Rotation Correlation:	13<	29° <	45	0.8<1.2s<1.8
Minimum Energy:	11<	28° <	54	0.8<1.3s<2.0
Eigenvalue:	-7<	6° <	23	1.2<1.9s<2.6

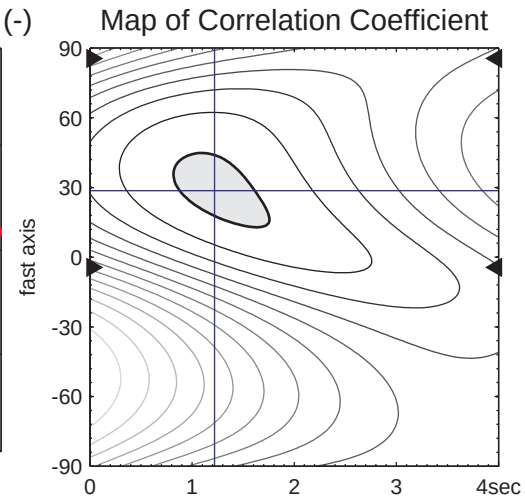
Quality: **fair** IsNull: **No** Phase: **SKS**

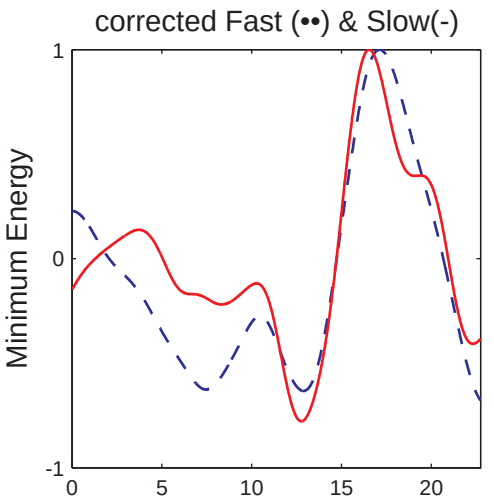


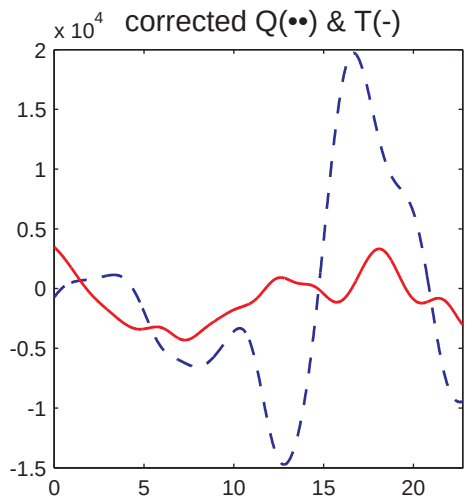


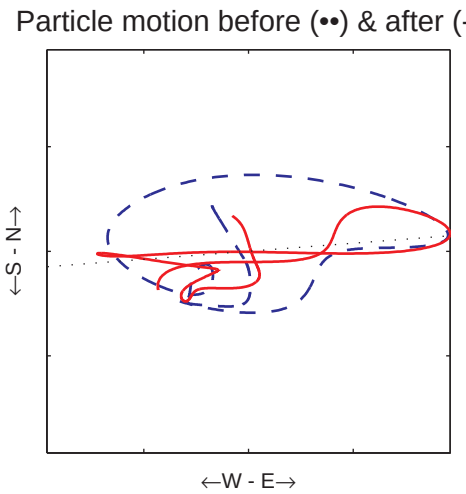


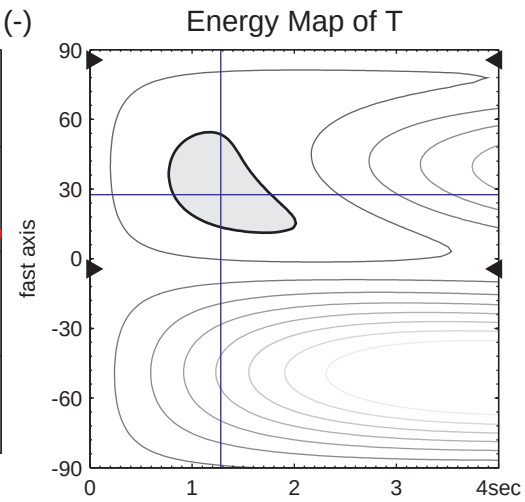


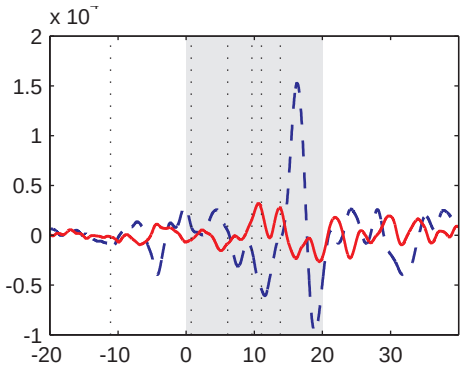








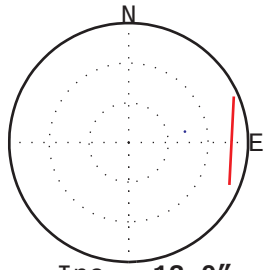


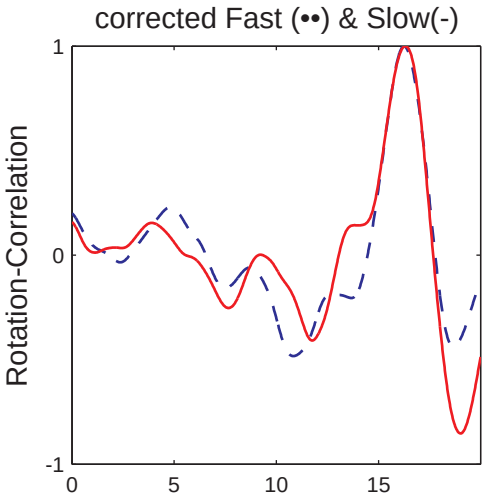


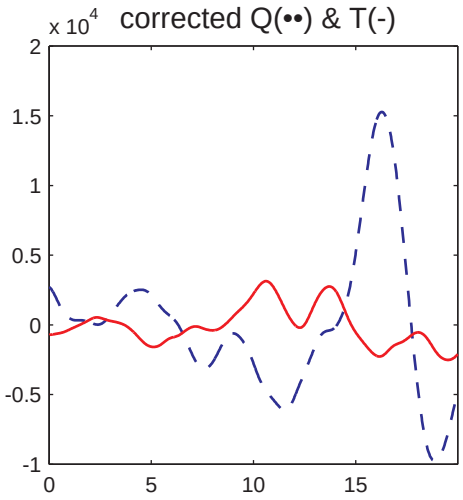
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **TAHT** Backazimuth: **89.0”** Distance: **89.29”**
init.Pol.: **295.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

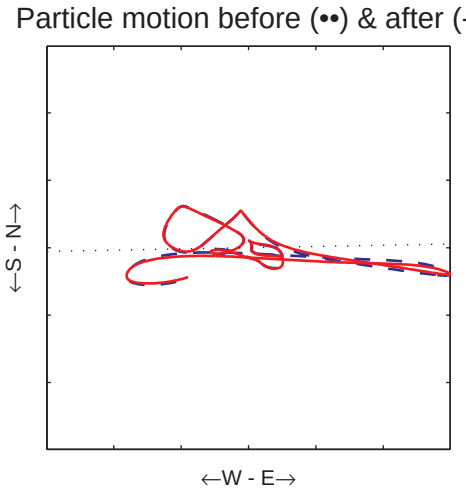
Rotation Correlation:	-51<	-41° <	-32	0.0<0.0s<0.2
Minimum Energy:	1<	3° <	7	1.7<2.8s<4.0
Eigenvalue:	-86<	-79° <	-78	2.8<3.0s<3.2

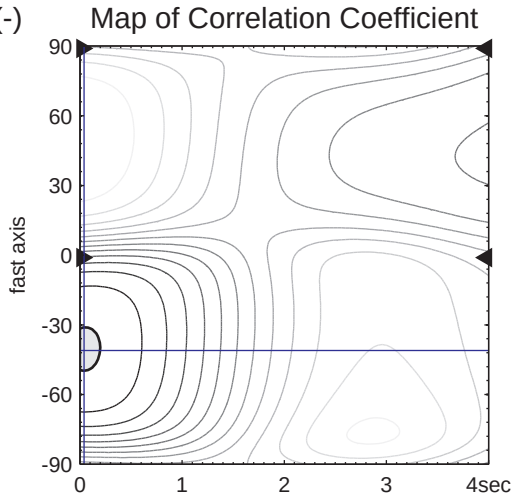
Quality: **good** IsNull: **Yes** Phase: **SKKS**

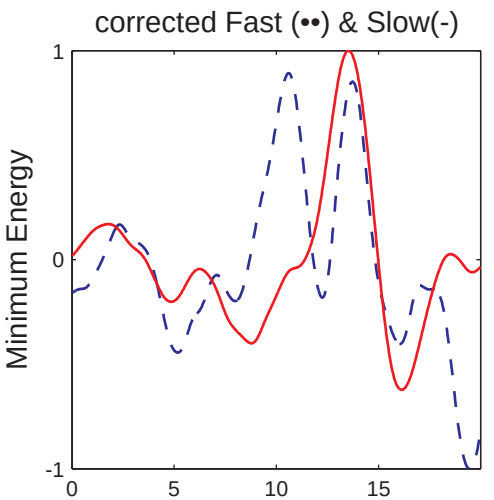


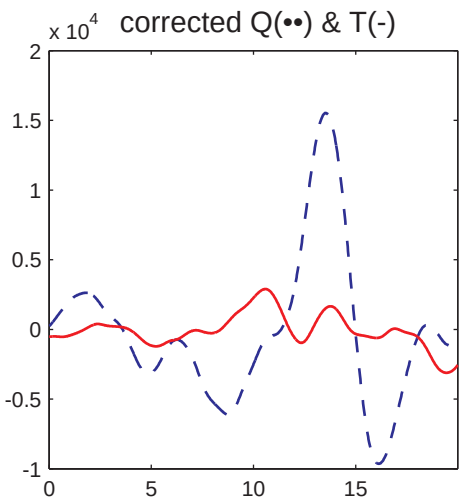


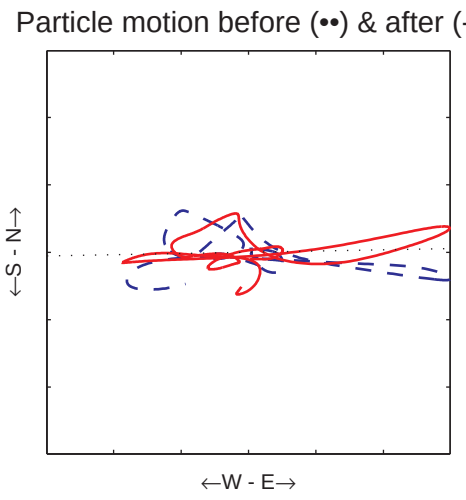


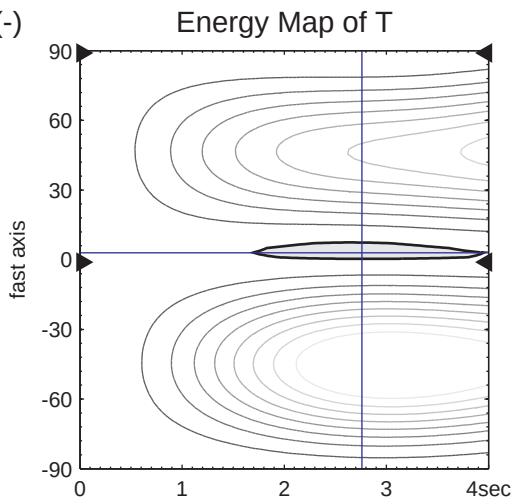


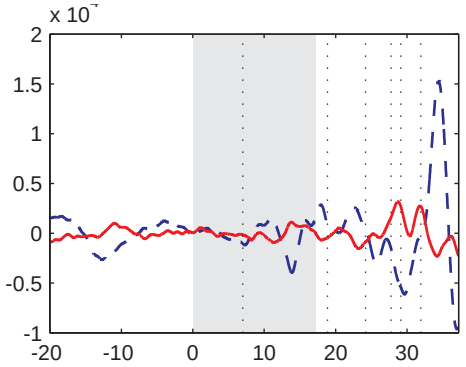








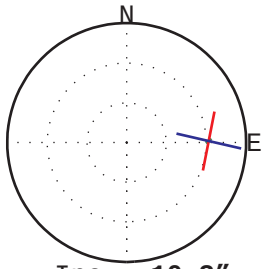




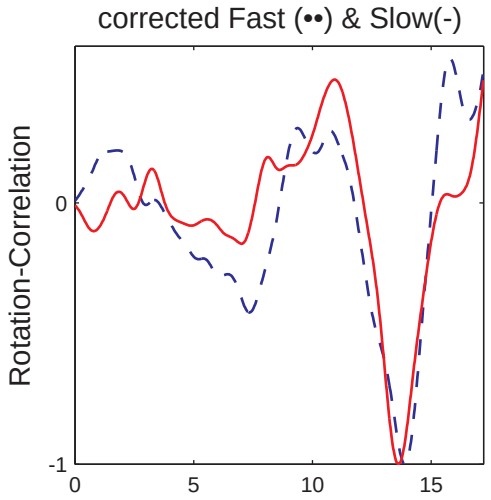
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **TAHT** Backazimuth: **89.0”** Distance: **89.29”**
init.Pol.: **297.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.6**

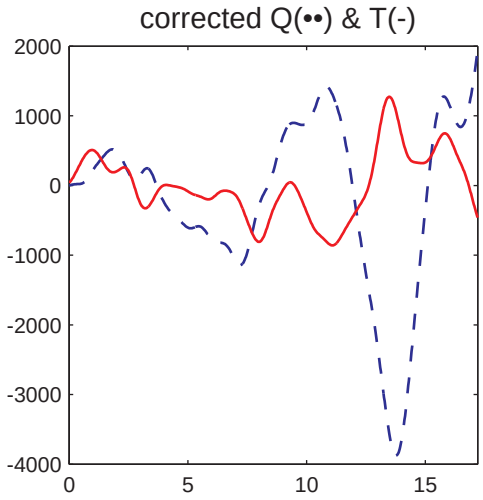
Rotation Correlation:	48<	55° <	64	0.0<0.2s<0.4
Minimum Energy:	7<	11° <	15	1.4<1.9s<2.4
Eigenvalue:	-86<	-77° <	-74	1.6<2.1s<2.6

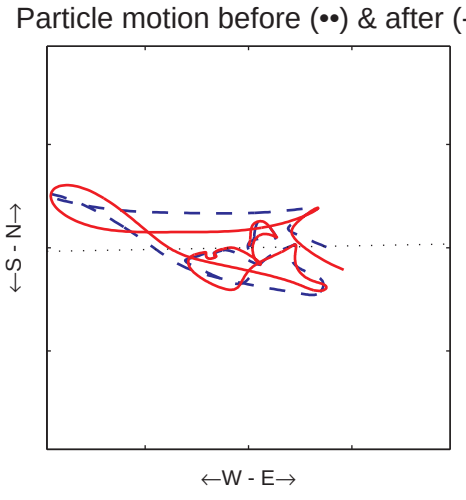
Quality: **good** IsNull: **Yes** Phase: **SKS**

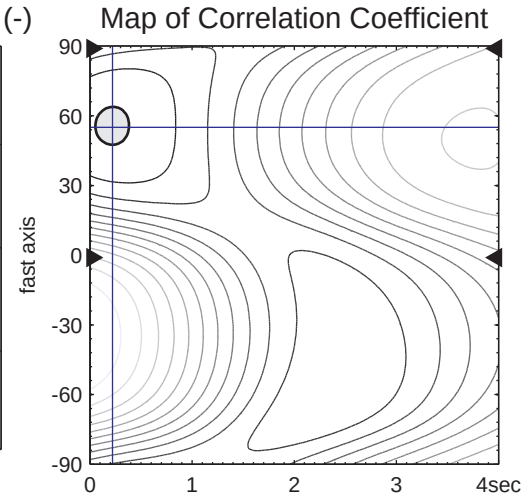


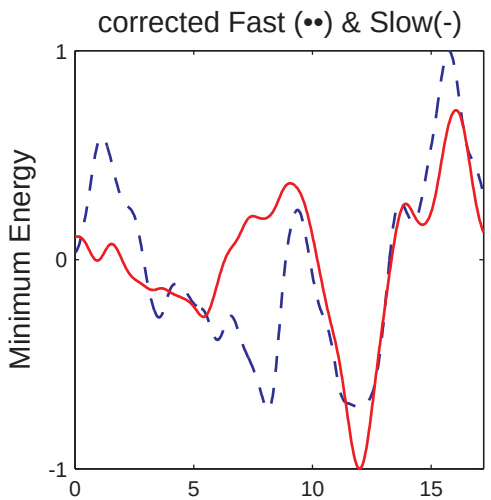
Inc = **10.3”**

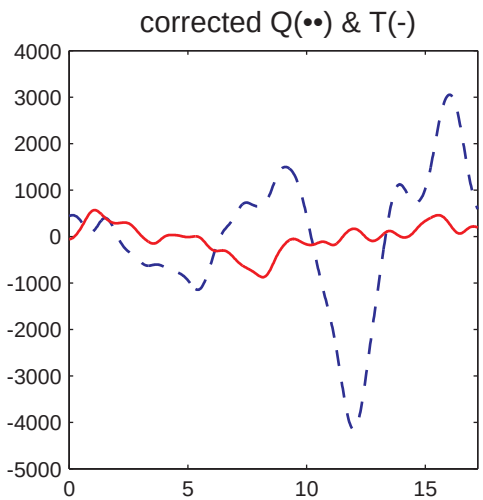


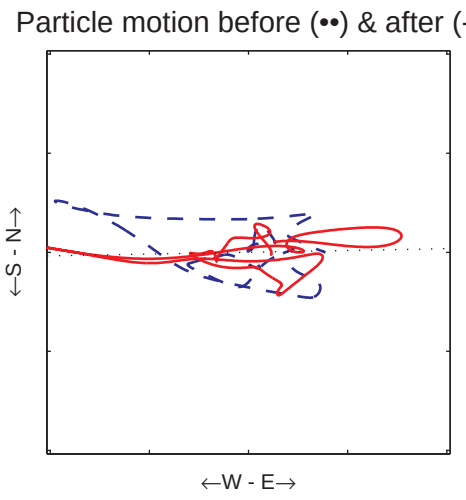


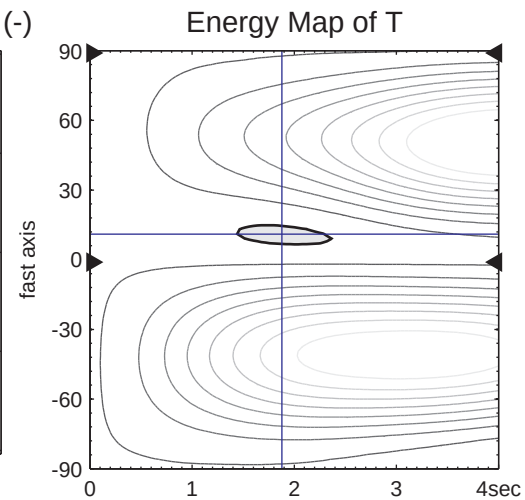


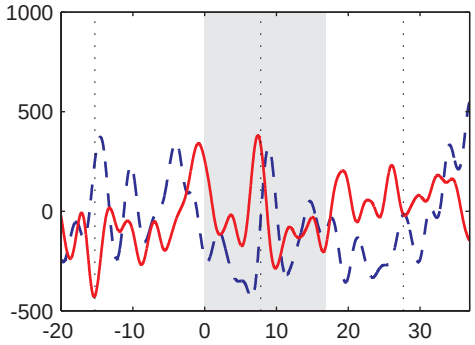








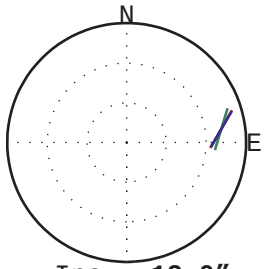




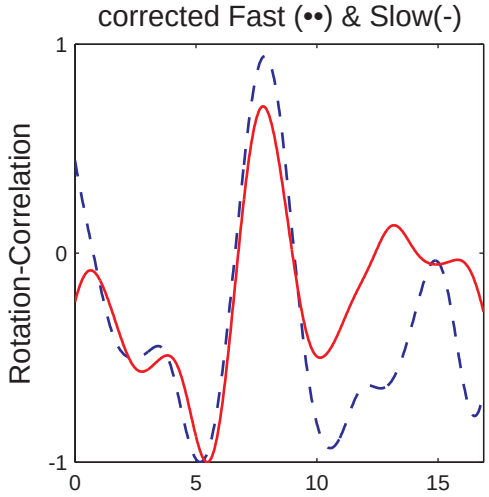
Event: **04-Aug-2010 (216) 07:15 -5.49N 146.82E 220km Mw=6.5**
Station: **TAHT** Backazimuth: **82.0”** Distance: **109.83”**
init.Pol.: **261.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.0**

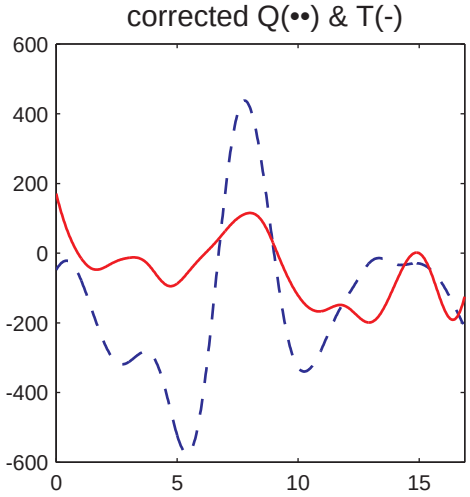
Rotation Correlation:	9<	17° <	28	1.1<1.4s<1.6
Minimum Energy:	17<	30° <	43	1.0<1.4s<1.8
Eigenvalue:	9<	30° <	56	1.0<1.3s<1.6

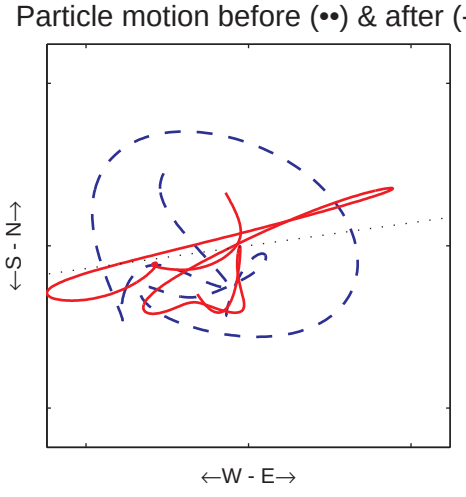
Quality: **fair** IsNull: **No** Phase: **SKKS**

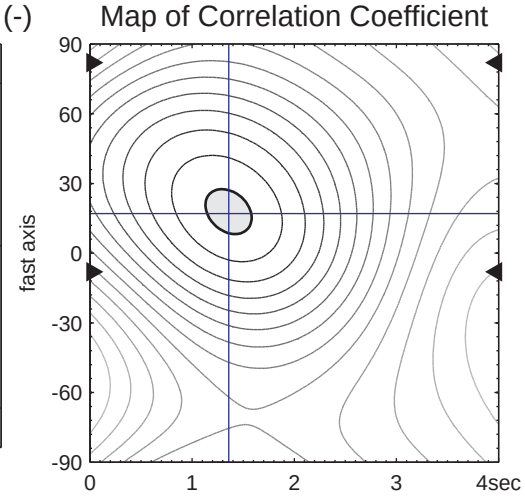


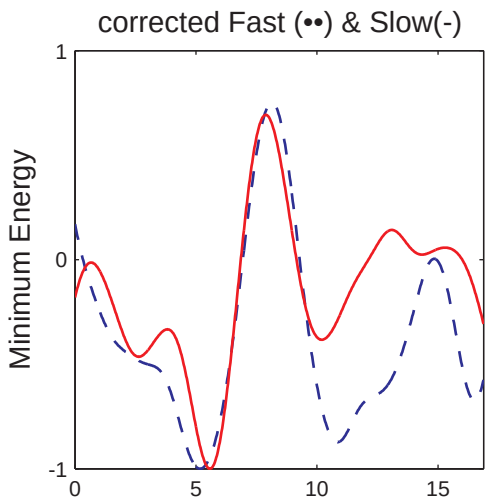
Inc = **12.0”**

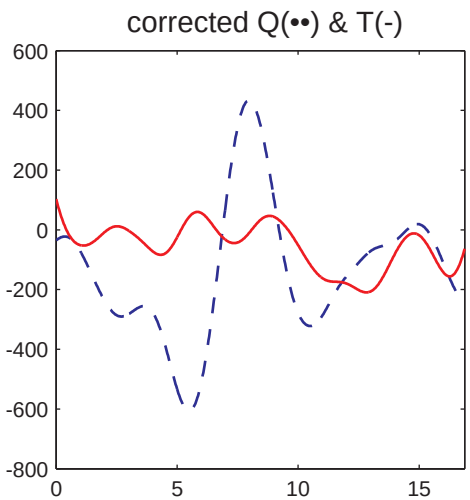


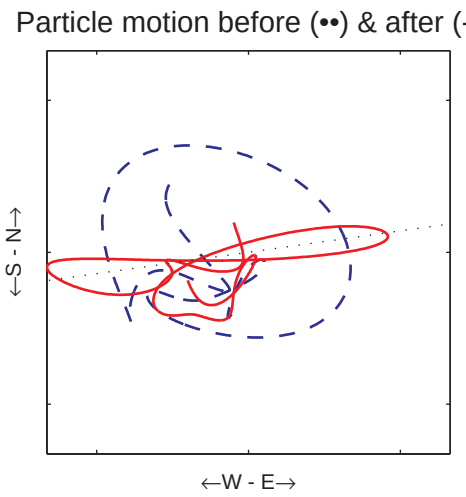


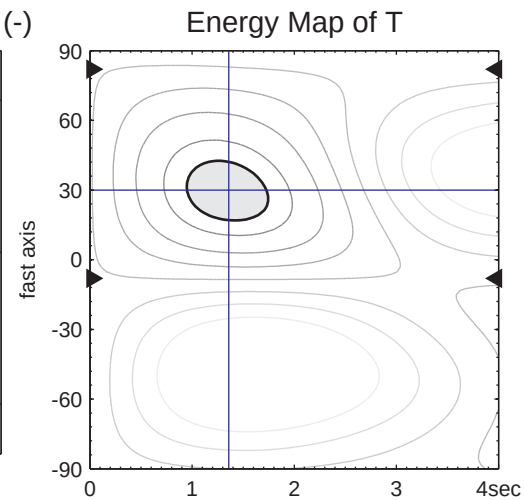


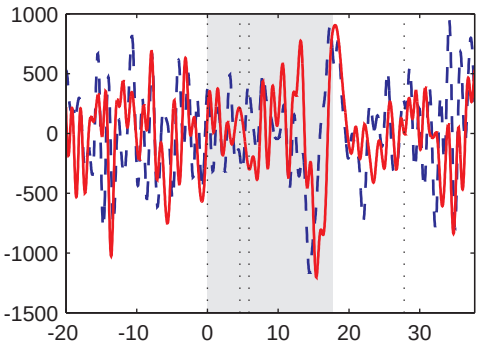








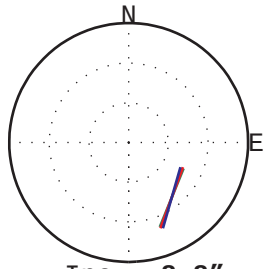


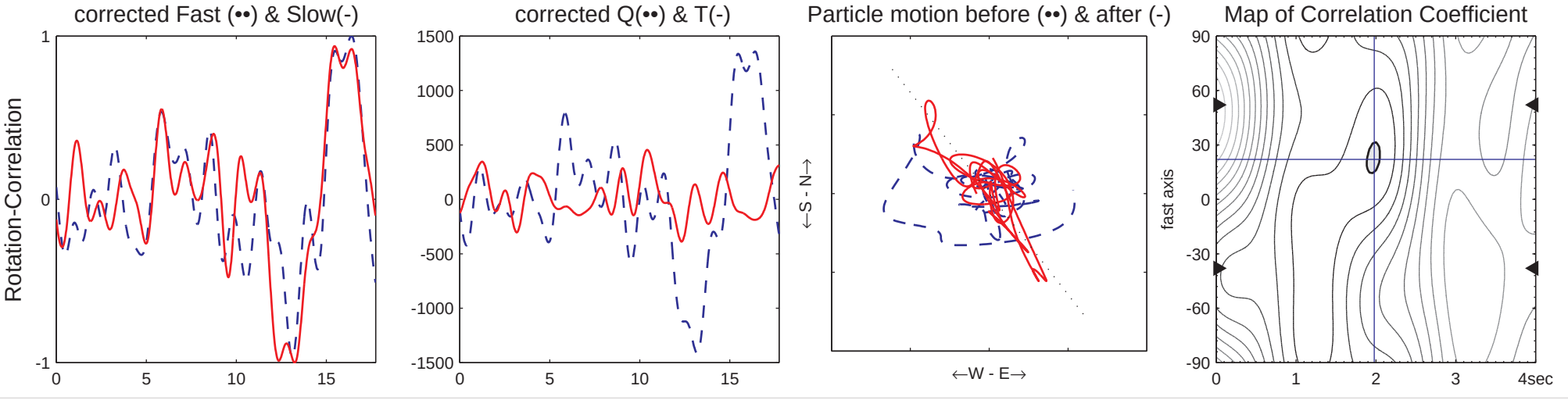


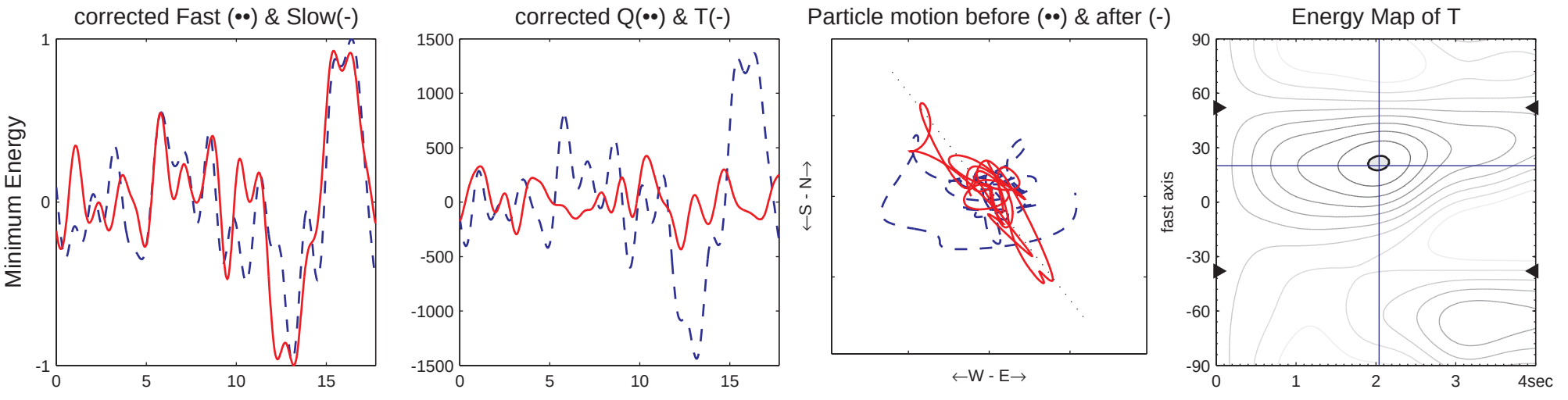
Event: **10-Nov-2010 (314) 04:05 -45.46N 96.39E 10km Mw=6.5**
Station: **TAHT** Backazimuth: **142.1”** Distance: **98.17”**
init.Pol.: **316.0”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.2**

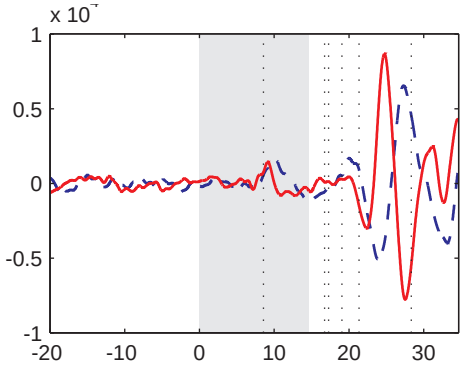
Rotation Correlation:	15<	22° <	32	1.9<2.0s<2.0
Minimum Energy:	17<	20° <	25	1.9<2.0s<2.2
Eigenvalue:	5<	16° <	27	1.8<2.0s<2.2

Quality: **good** IsNull: **No** Phase: **SKS**





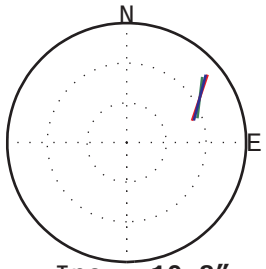


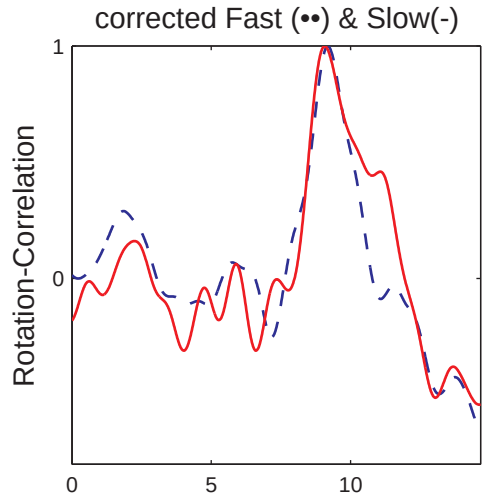


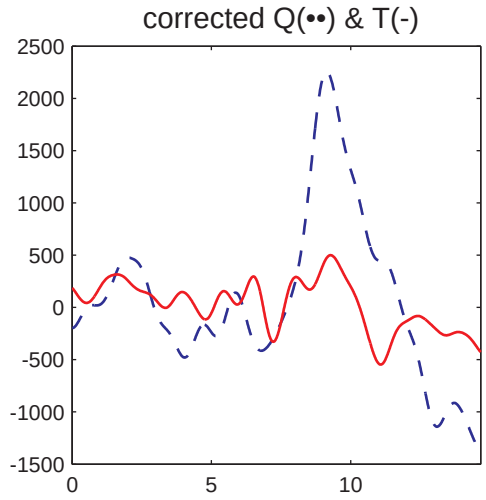
Event: **22-Dec-2010 (356) 21:49 26.81N 143.60E 18km Mw=6.4**
Station: **TAHT** Backazimuth: **58.5”** Distance: **87.00”**
init.Pol.: **234.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.8**

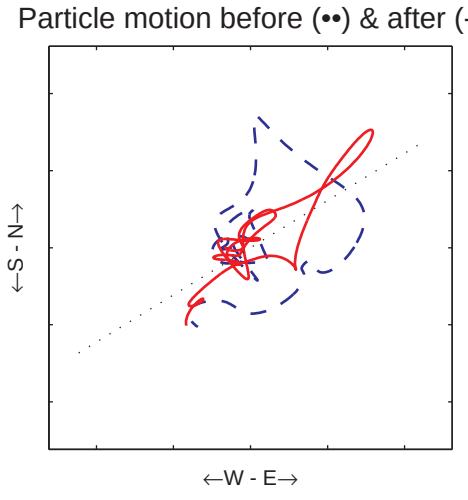
Rotation Correlation:	-8<	7° <	22	1.1<1.3s<1.6
Minimum Energy:	11<	19° <	25	1.2<1.5s<1.8
Eigenvalue:	1<	15° <	27	1.2<1.5s<1.8

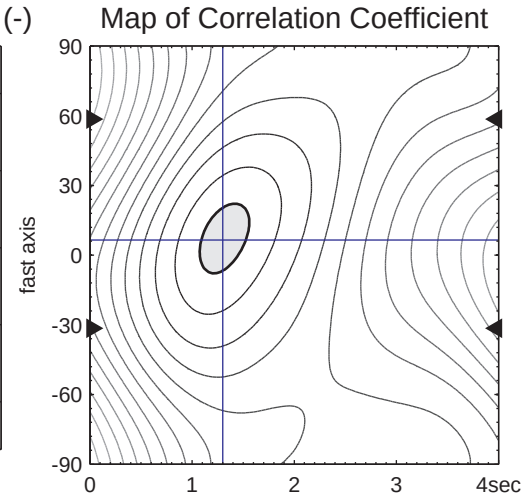
Quality: **fair** IsNull: **No** Phase: **SKS**

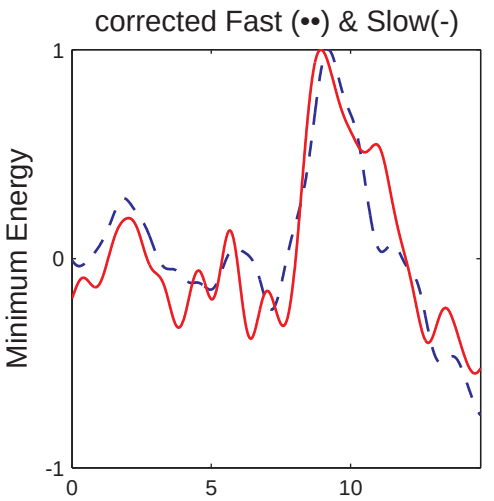


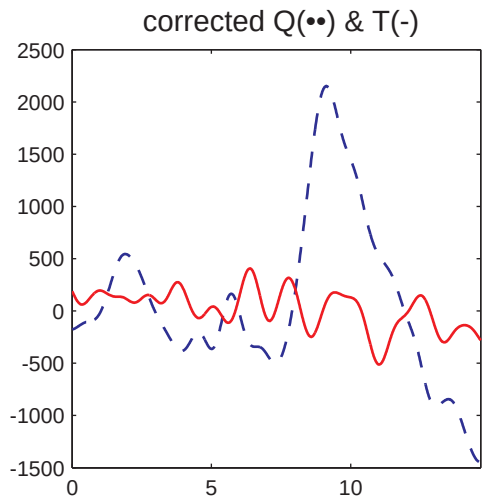


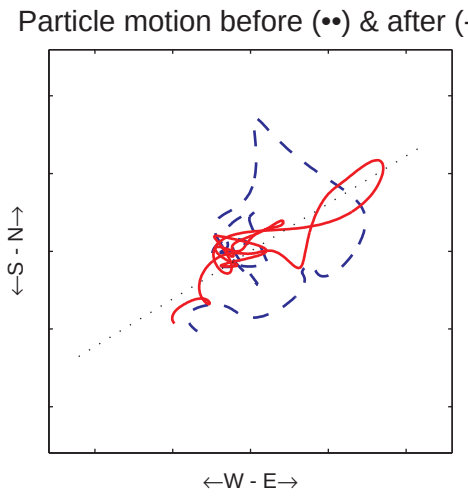


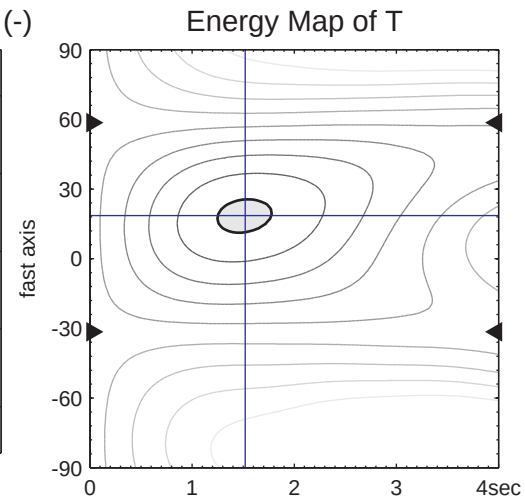


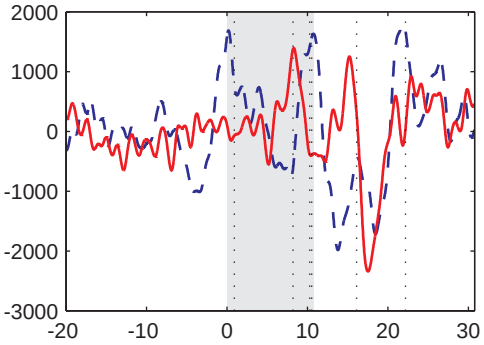








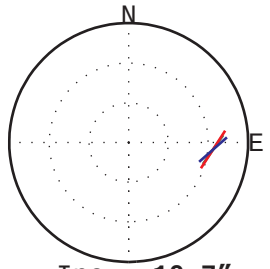




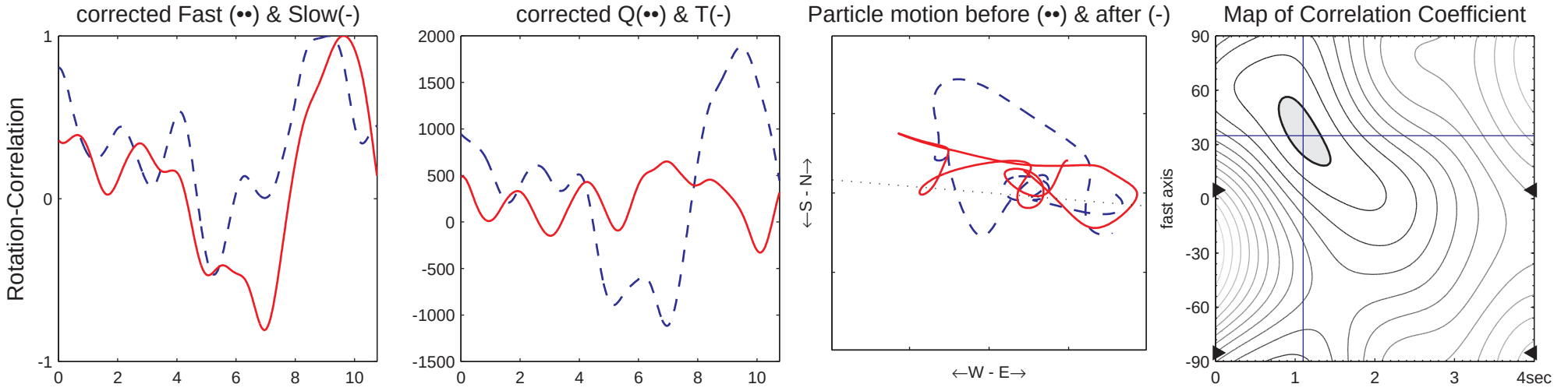
Event: **15-Feb-2011 (046) 13:33 -2.50N 121.48E 16km Mw=6.1**
Station: **TAHT** Backazimuth: **94.8”** Distance: **87.70”**
init.Pol.: **288.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.5**

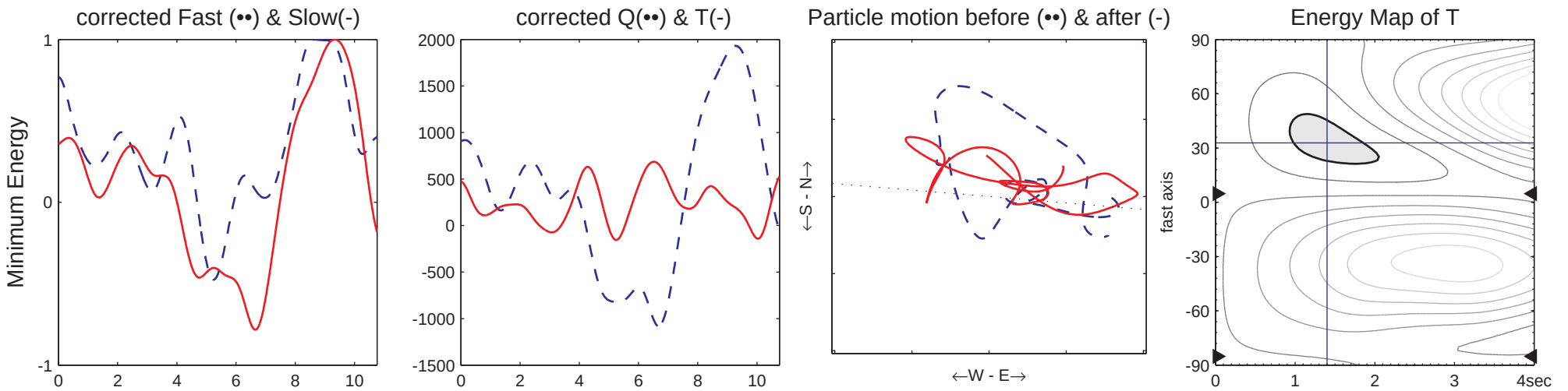
Rotation Correlation:	19<	35° <	56	0.8<1.1s<1.4
Minimum Energy:	21<	33° <	50	0.9<1.4s<2.0
Eigenvalue:	31<	49° <	74	0.8<1.2s<1.6

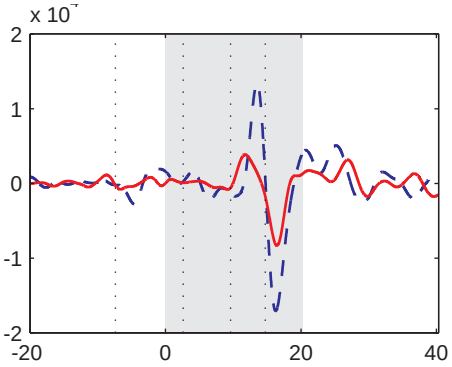
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



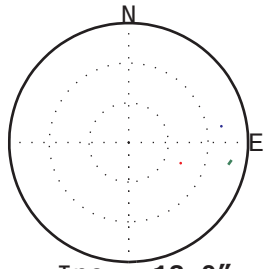




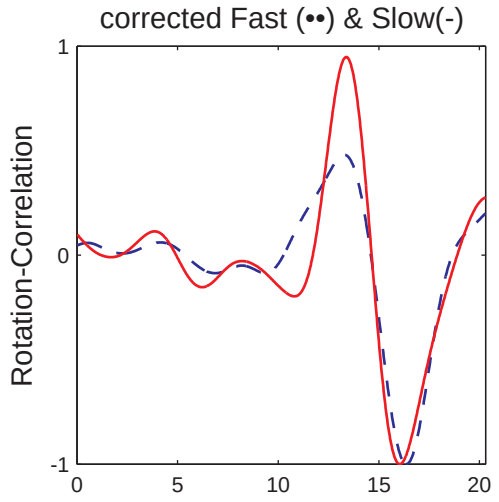
Event: **10-Mar-2011 (069) 17:08 -6.87N 116.72E 510km Mw=6.5**
Station: **TAHT** Backazimuth: **101.2”** Distance: **86.53”**
init.Pol.: **245.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

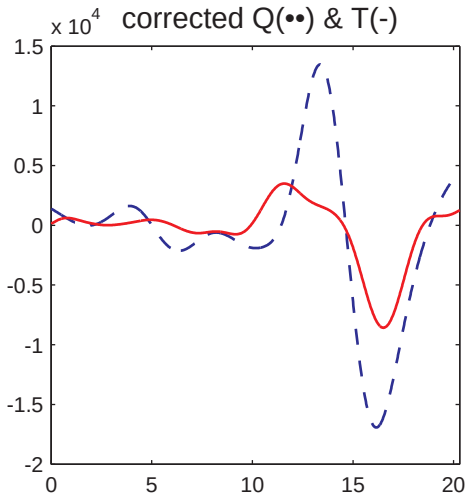
Rotation Correlation:	24<	35° <	47	0.0<0.2s<0.4
Minimum Energy:	86<	89° <	-90	2.3<3.1s<4.0
Eigenvalue:	-17<	-13° <	-11	2.0<2.3s<2.6

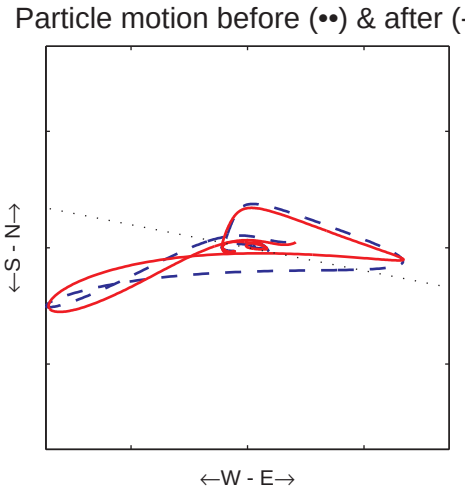
Quality: **fair** IsNull: **Yes** Phase: **SKKS**

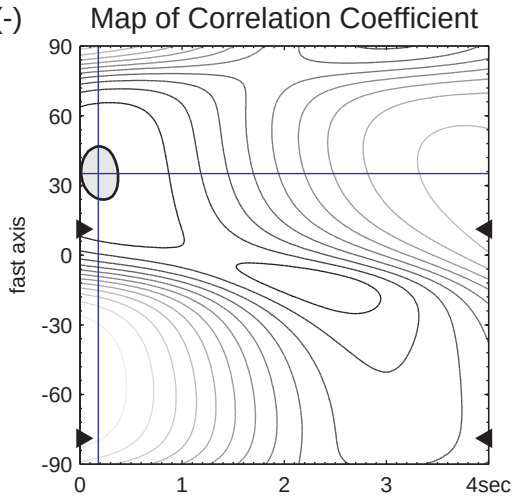


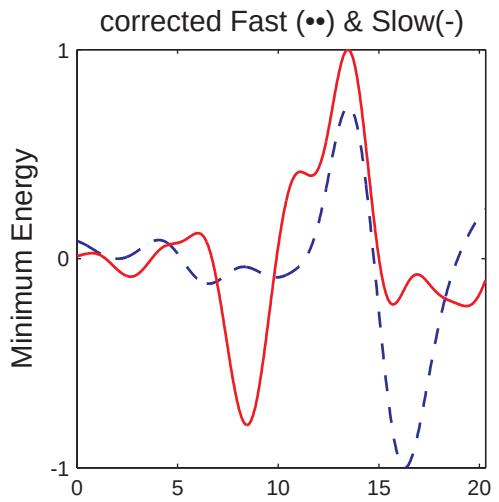
Inc = **13.0”**

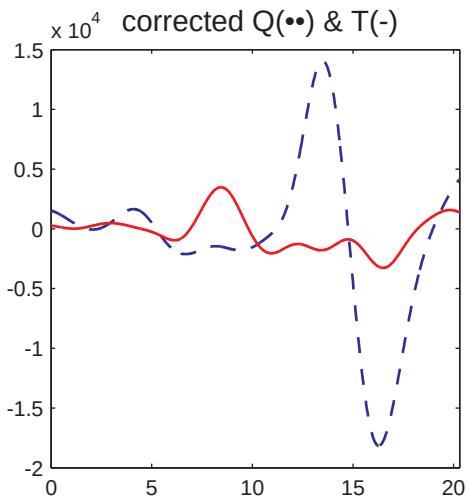


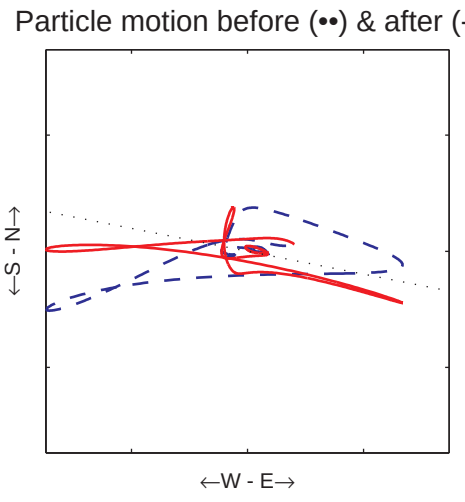


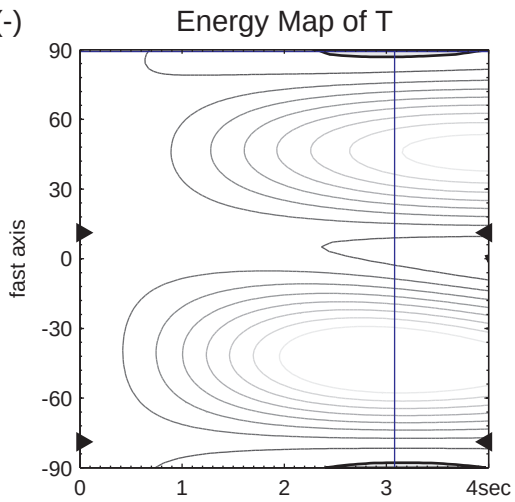


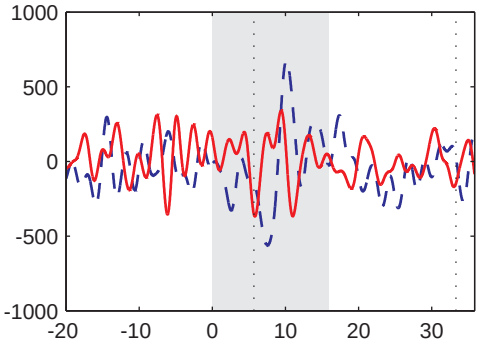








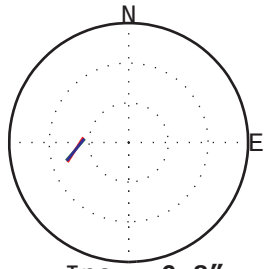




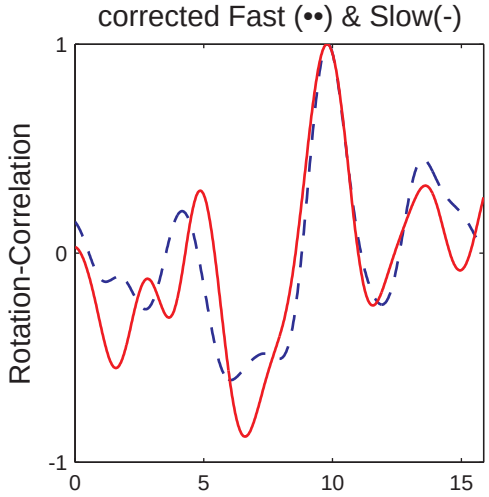
Event: **02-Apr-2011 (092) 10:59 -19.58N -69.06E 84km Mw=5.9**
Station: **TAHT** Backazimuth: **262.3”** Distance: **113.47”**
init.Pol.: **86.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.8**

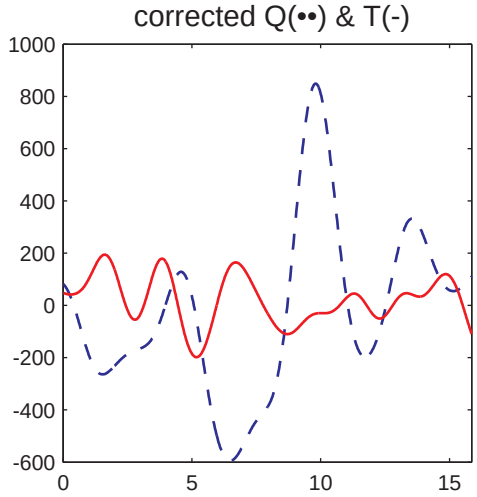
Rotation Correlation:	29<	41° <	54	0.7<0.9s<1.1
Minimum Energy:	19<	32° <	50	0.6<0.9s<1.2
Eigenvalue:	17<	38° <	64	0.6<0.9s<1.2

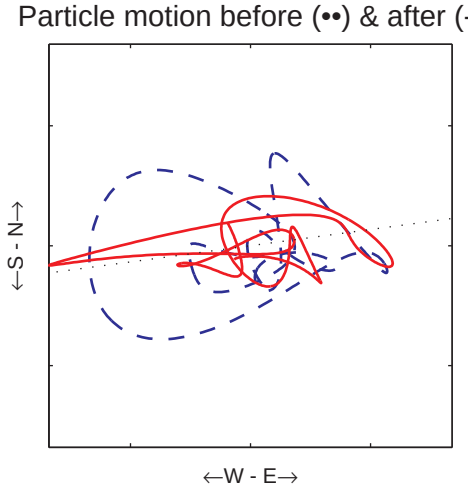
Quality: **fair** IsNull: **No** Phase: **SKS**

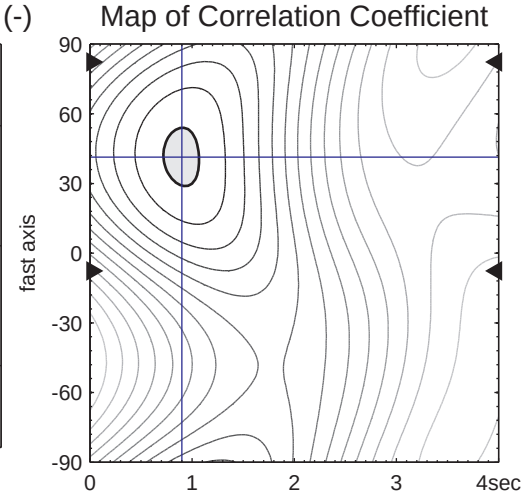


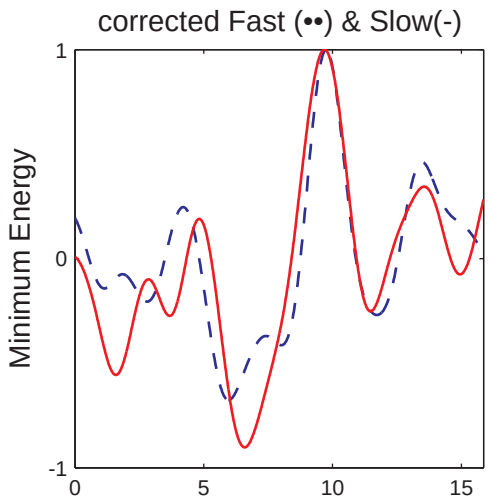
Inc = **6.8”**

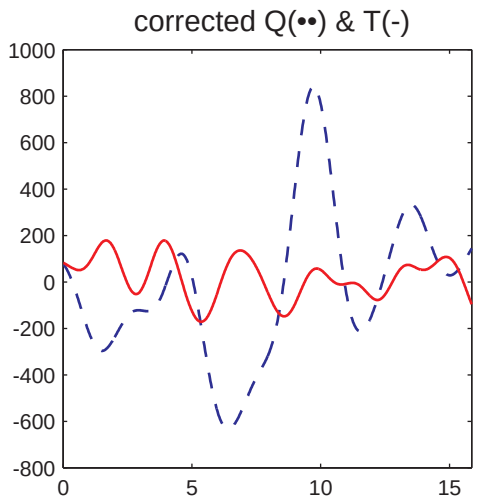


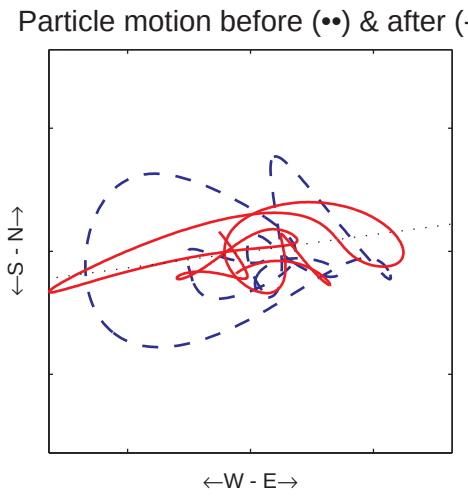


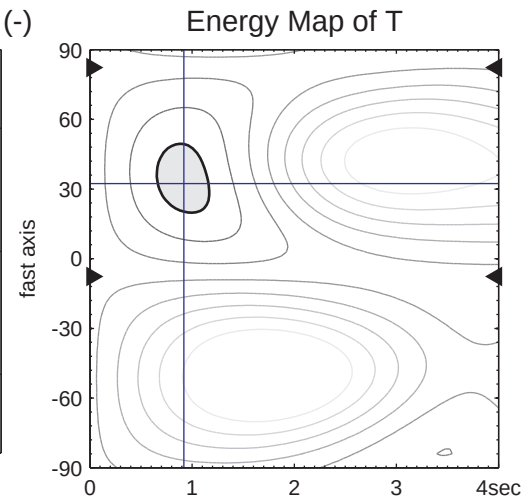


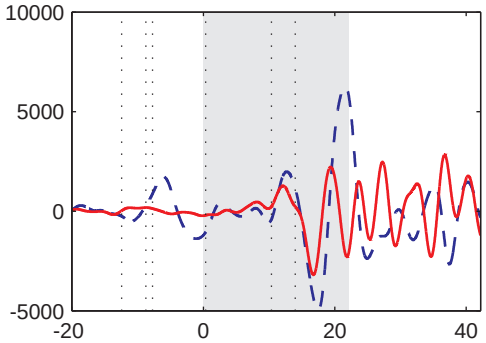








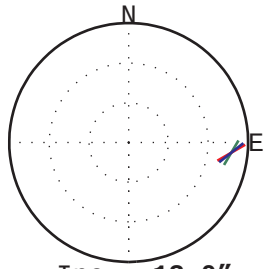




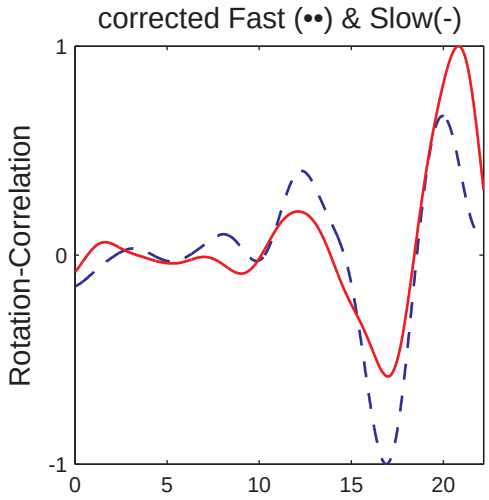
Event: **24-Apr-2011 (114) 23:07 -4.59N 122.77E 8km Mw=6.1**
Station: **TAHT** Backazimuth: **95.7”** Distance: **89.98”**
init.Pol.: **270.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.4**

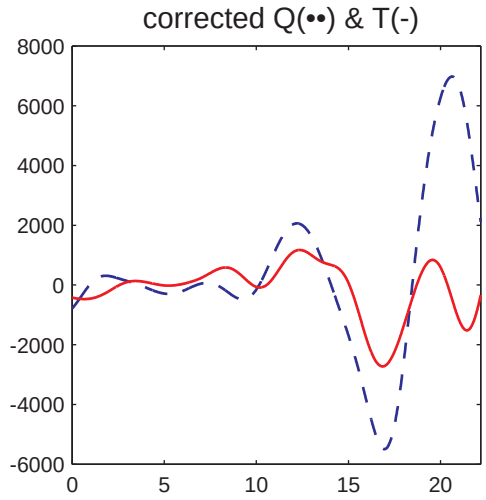
Rotation Correlation:	24<	31° <	41	0.7<0.9s<1.0
Minimum Energy:	41<	60° <	76	0.7<1.0s<1.4
Eigenvalue:	21<	52° <	72	0.7<1.0s<1.3

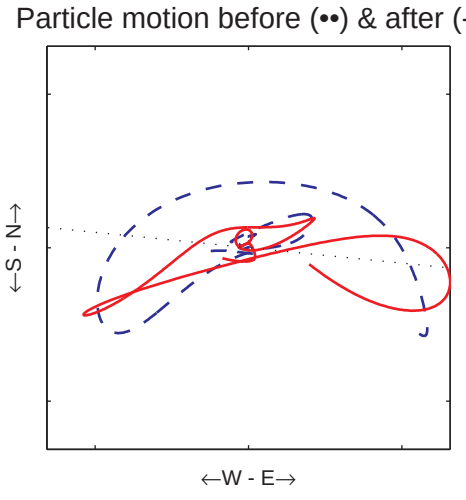
Quality: **fair** IsNull: **No** Phase: **SKKS**

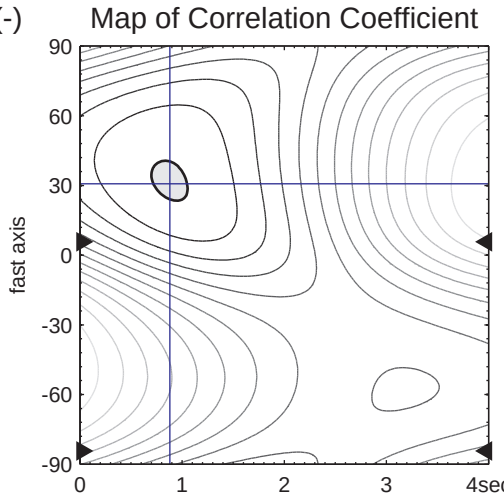


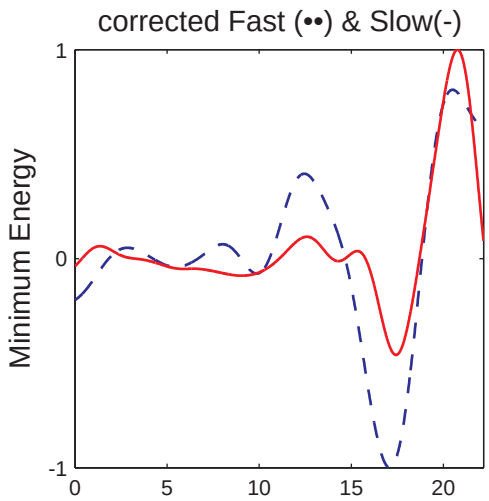
Inc = **13.0”**

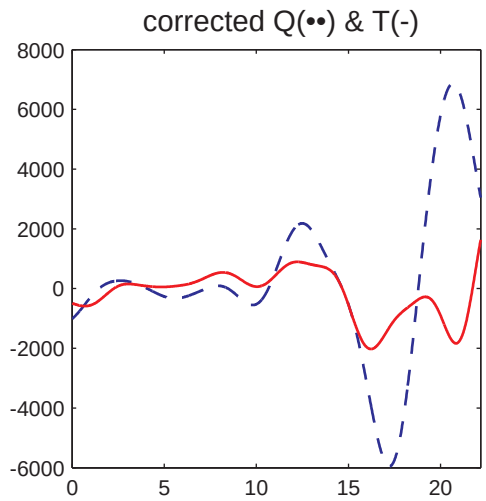


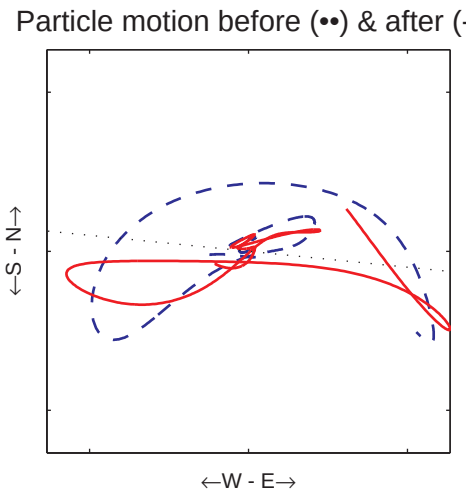


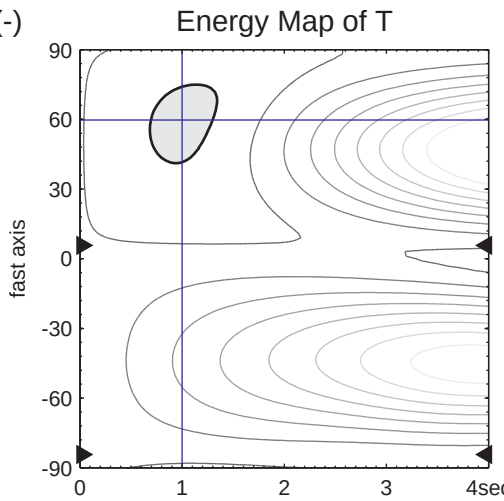


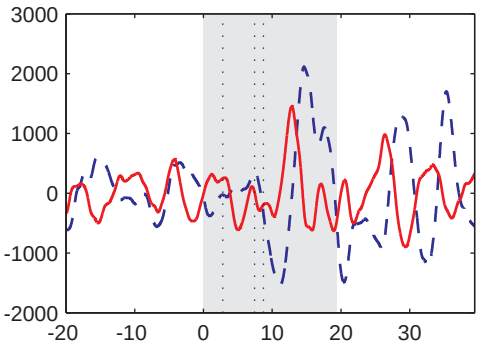








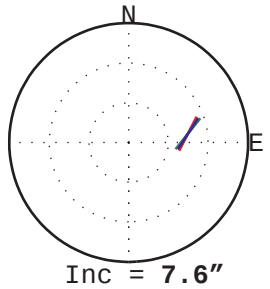


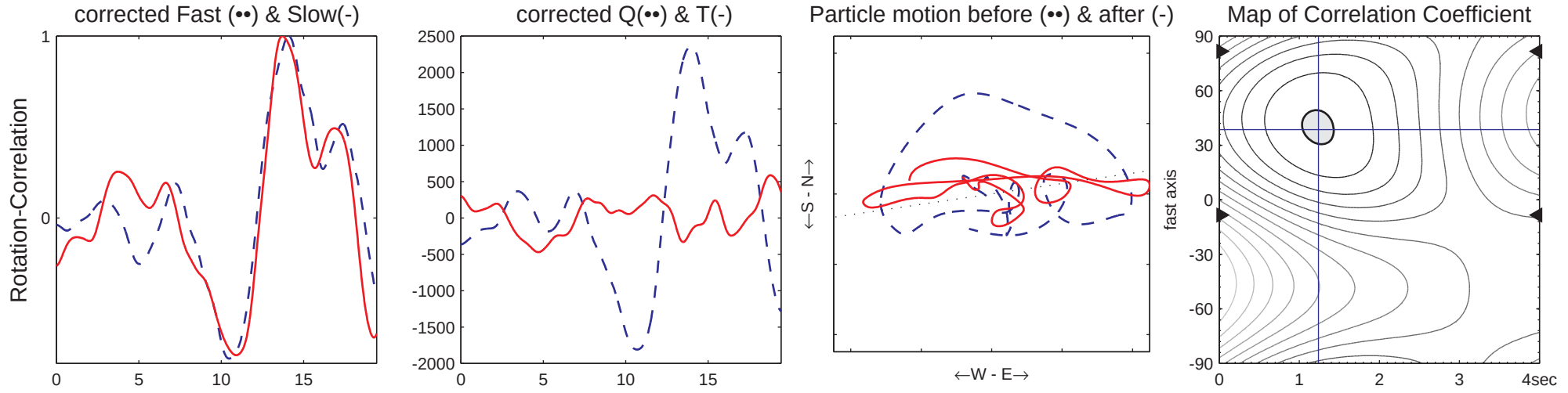


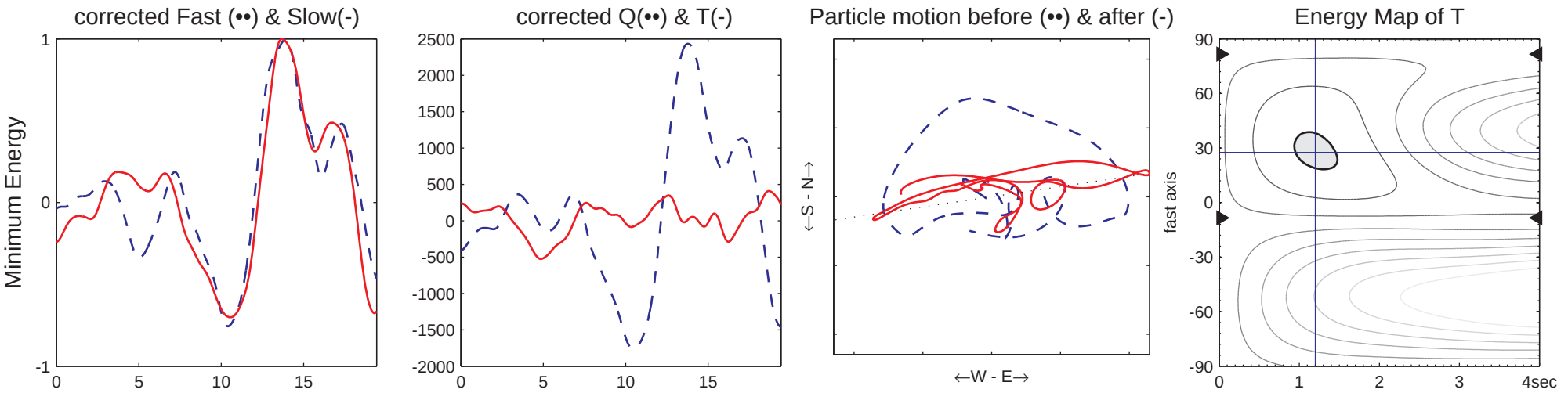
Event: **31-Jul-2011 (212) 23:38 -3.52N 144.83E 10km Mw=6.6**
Station: **TAHT** Backazimuth: **81.6”** Distance: **107.06”**
init.Pol.: **265.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.6**

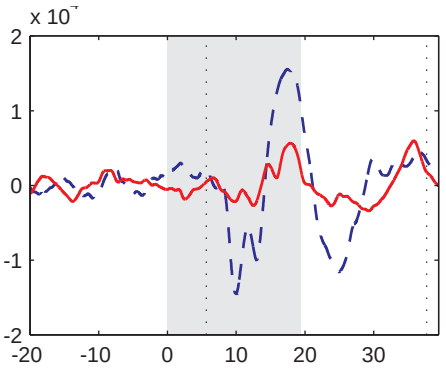
Rotation Correlation:	31<	39° <	49	1.0<1.2s<1.4
Minimum Energy:	19<	28° <	39	0.9<1.2s<1.5
Eigenvalue:	19<	34° <	52	0.9<1.2s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





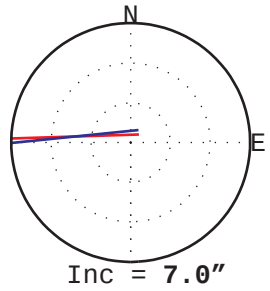


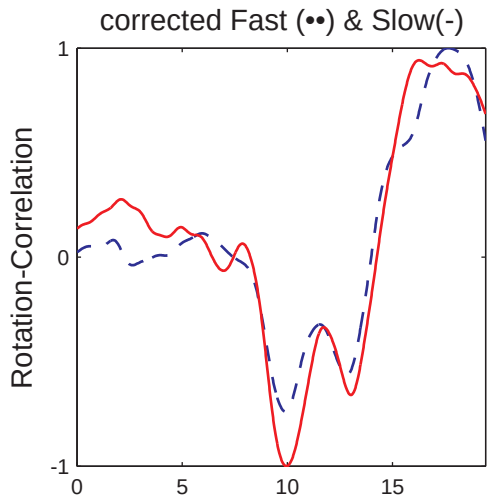


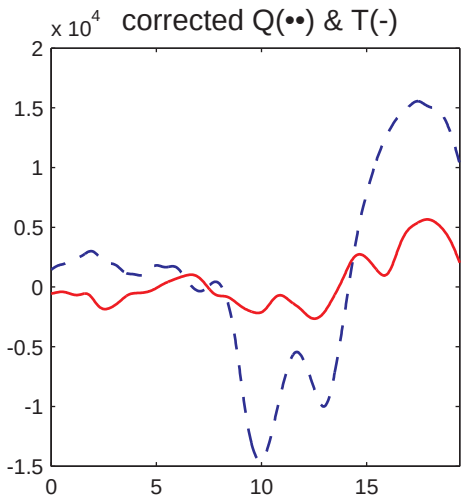
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **TAHT** Backazimuth: **276.2”** Distance: **111.17”**
init.Pol.: **86.8”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.1**

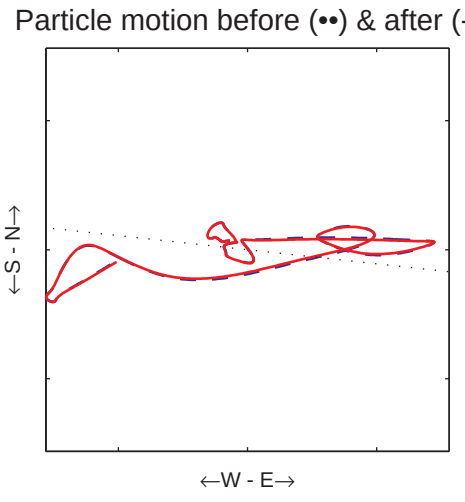
Rotation Correlation:	26<	38° <	51	0.0<0.0s<0.2
Minimum Energy:	88<	88° <	-90	3.6<4.0s<4.0
Eigenvalue:	82<	84° <	88	3.1<4.0s<4.0

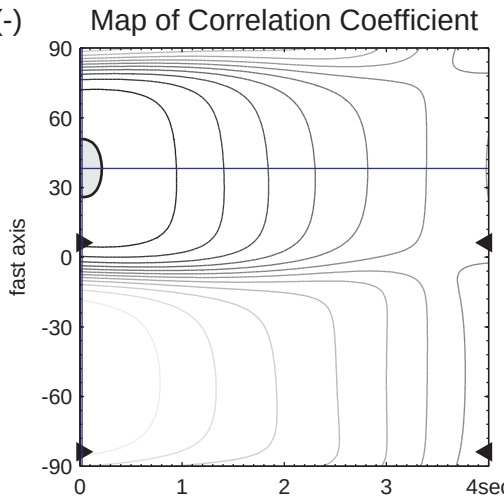
Quality: **good** IsNull: **Yes** Phase: **SKS**

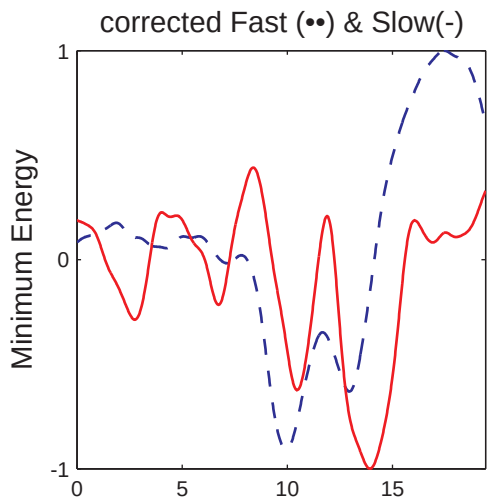


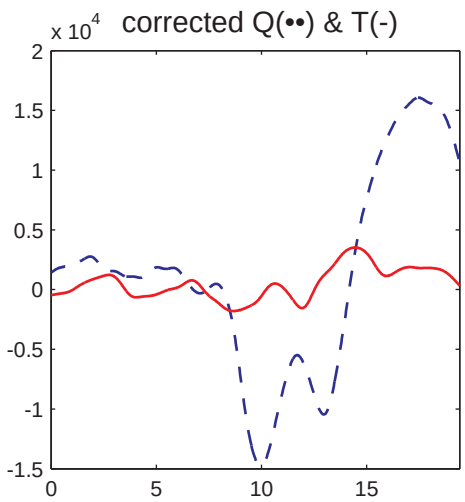


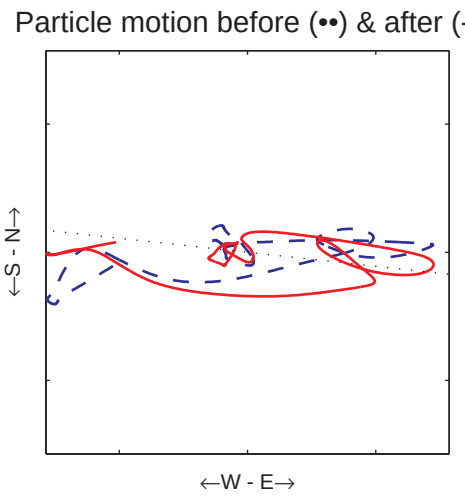


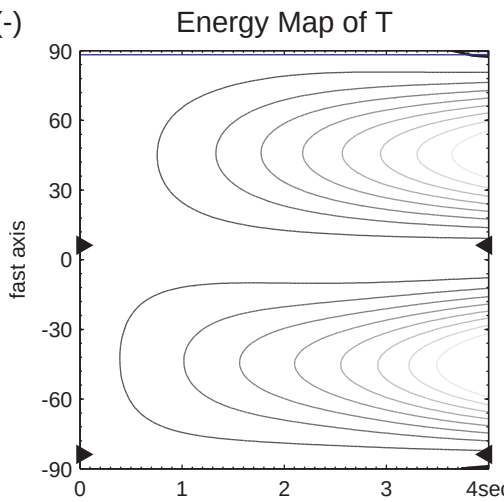


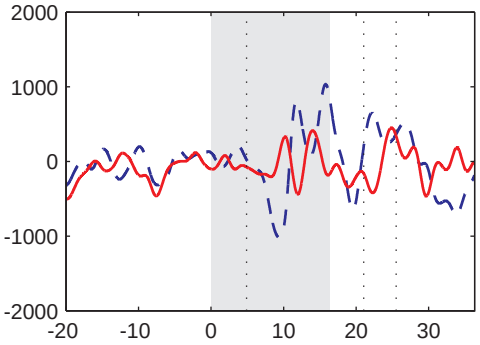








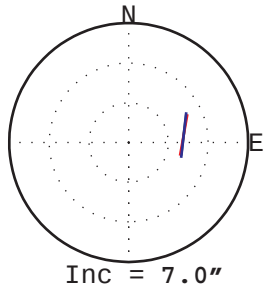


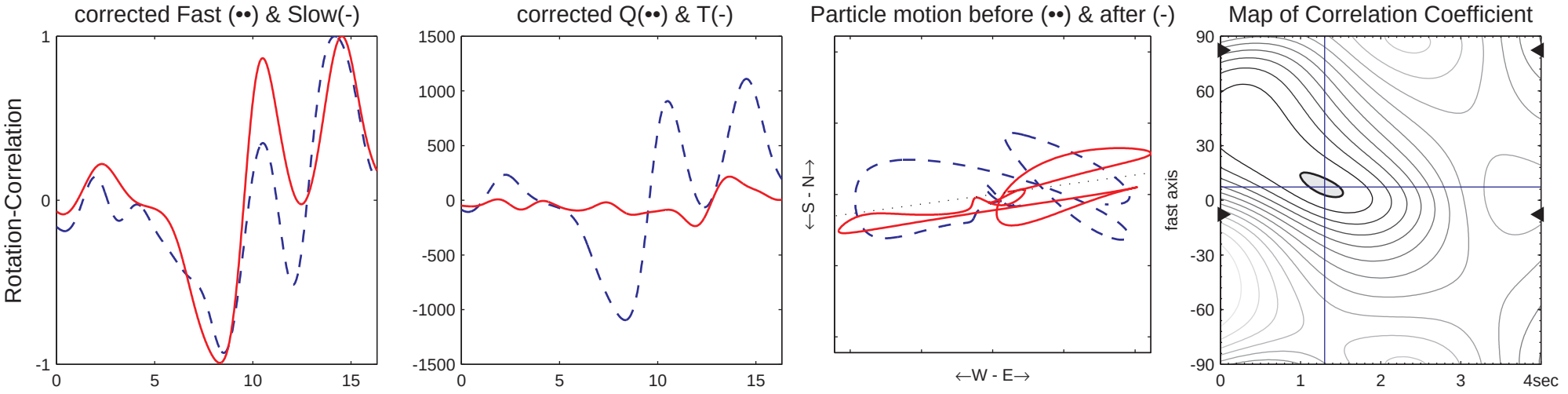


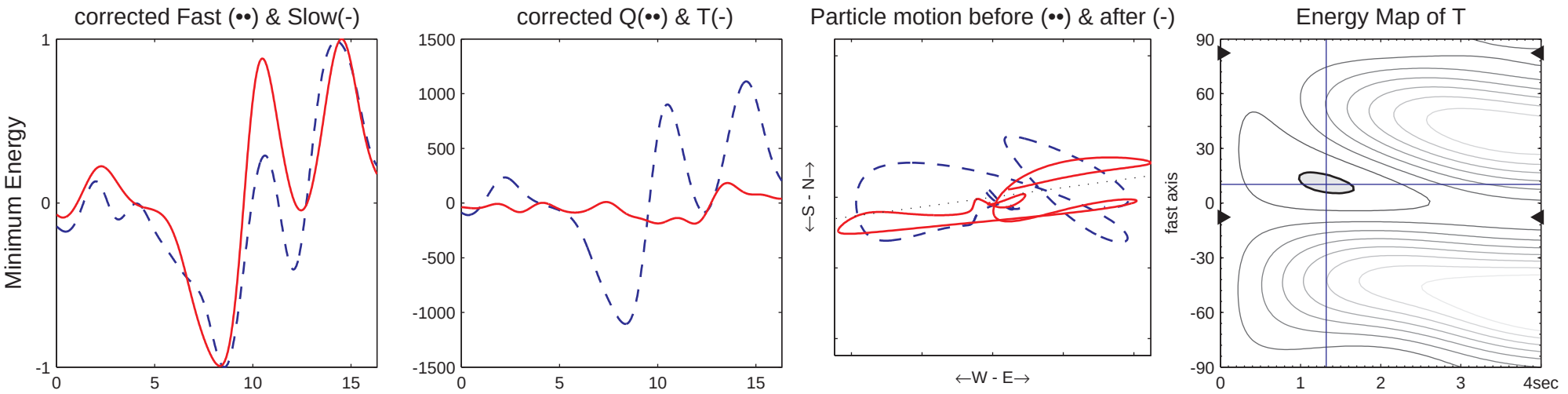
Event: **14-Oct-2011 (287) 03:35 -6.57N 147.88E 37km Mw=6.5**
Station: **TAHT** Backazimuth: **82.3”** Distance: **111.32”**
init.Pol.: **256.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.0**

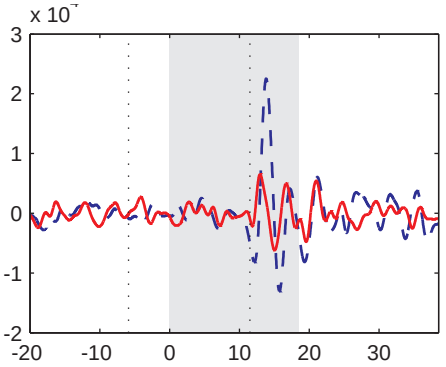
Rotation Correlation:	2<	7° <	16	1.0<1.3s<1.5
Minimum Energy:	5<	10° <	17	1.0<1.3s<1.7
Eigenvalue:	1<	6° <	13	1.2<1.4s<1.7

Quality: **fair** IsNull: **No** Phase: **SKS**





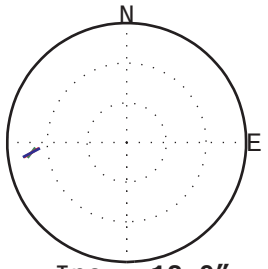




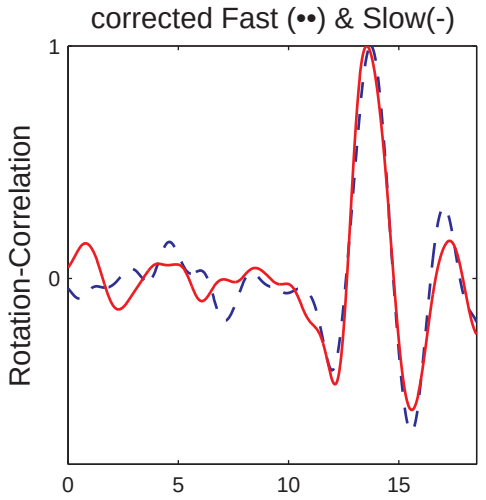
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km Mw=6.6**
Station: **TAHT** Backazimuth: **263.9”** Distance: **107.99”**
init.Pol.: **85.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**11.1**

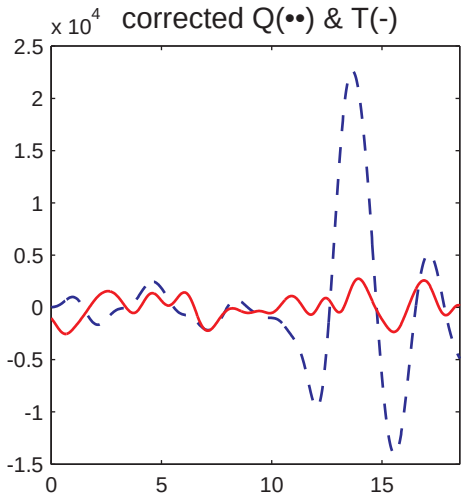
Rotation Correlation:	30<	37° <	45	0.4<0.4s<0.4
Minimum Energy:	50<	58° <	64	0.4<0.6s<0.7
Eigenvalue:	35<	62° <	70	0.4<0.6s<0.8

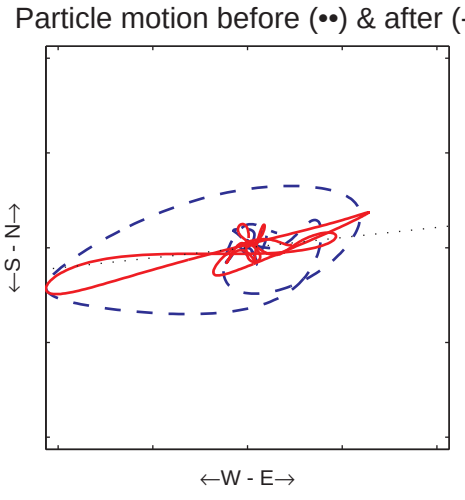
Quality: **fair** IsNull: **No** Phase: **SKKS**

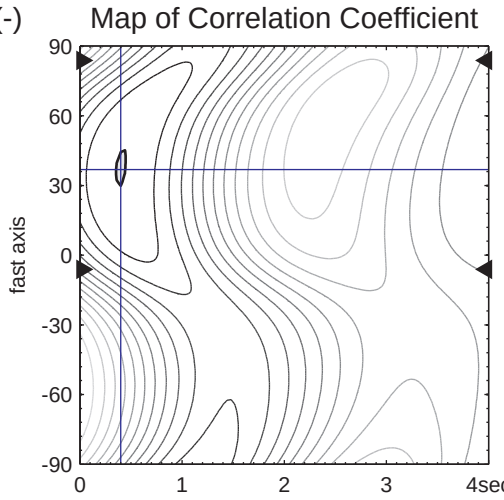


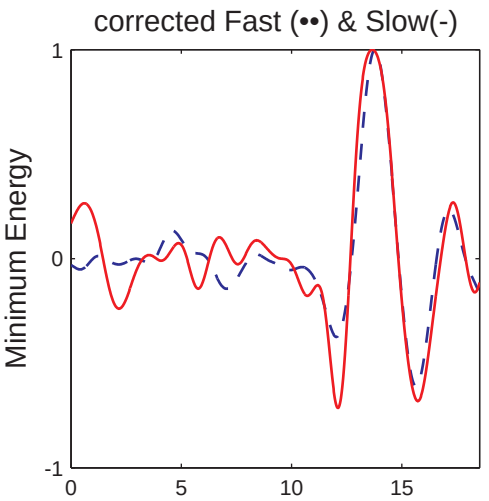
Inc = **12.0”**

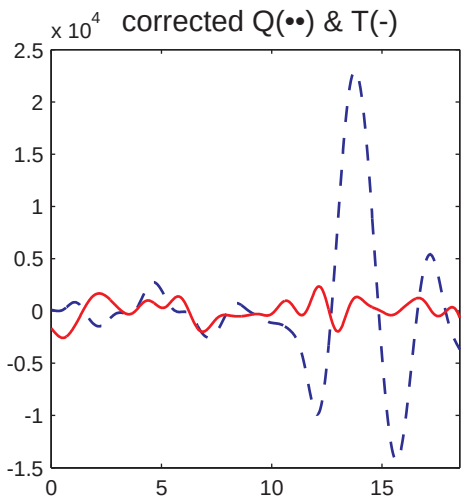


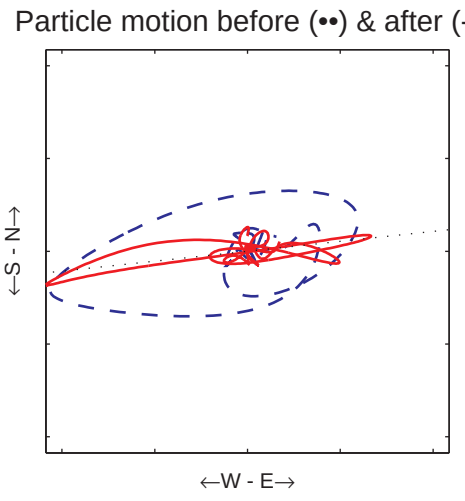


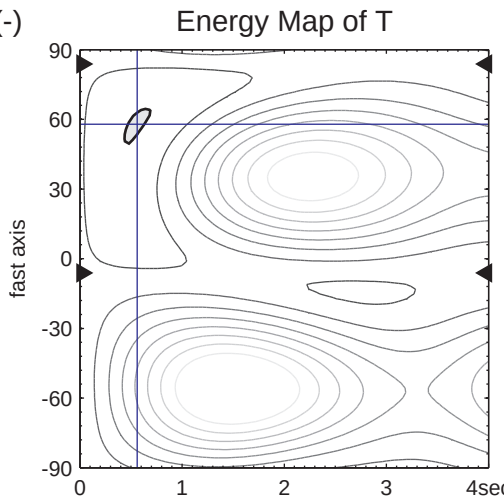


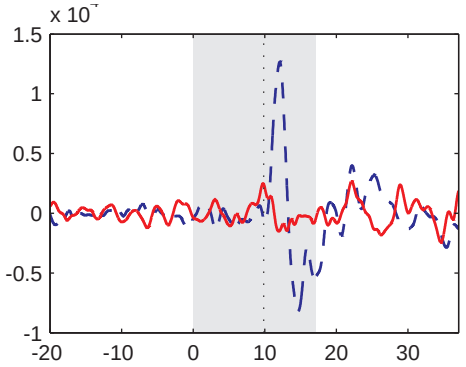








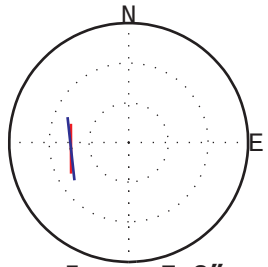


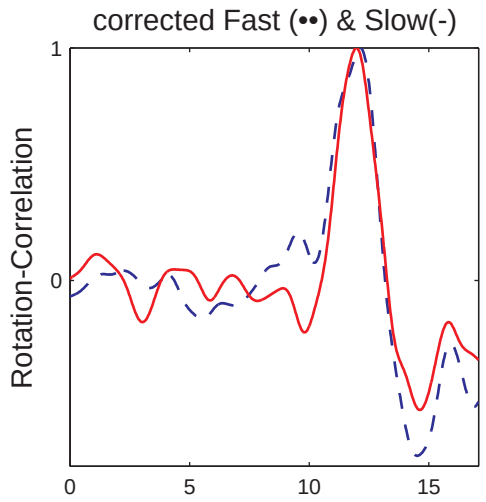


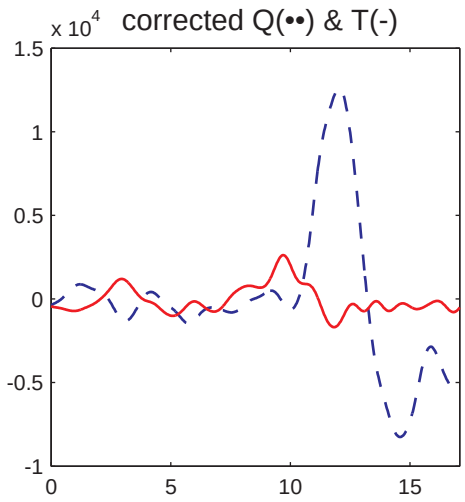
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km Mw=6.6**
Station: **TAHT** Backazimuth: **263.9”** Distance: **107.99”**
init.Pol.: **74.7”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **9.5**

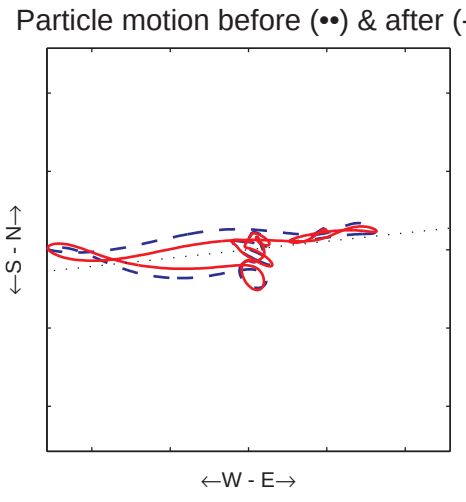
Rotation Correlation:	30<	41° <	53	0.0<0.1s<0.2
Minimum Energy:	-7<	-0° <	1	0.8<1.6s<2.5
Eigenvalue:	-11<	-6° <	-5	1.5<2.0s<2.4

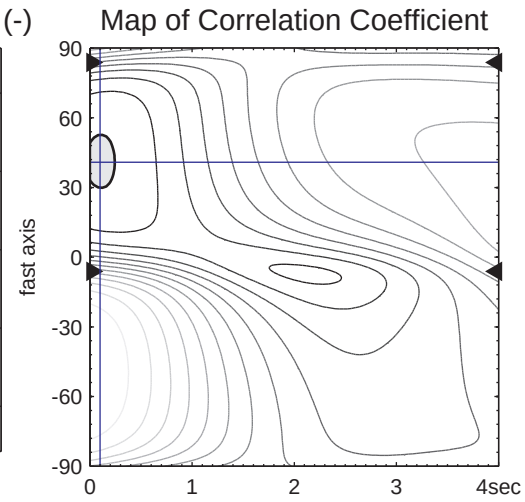
Quality: **good** IsNull: **Yes** Phase: **SKS**

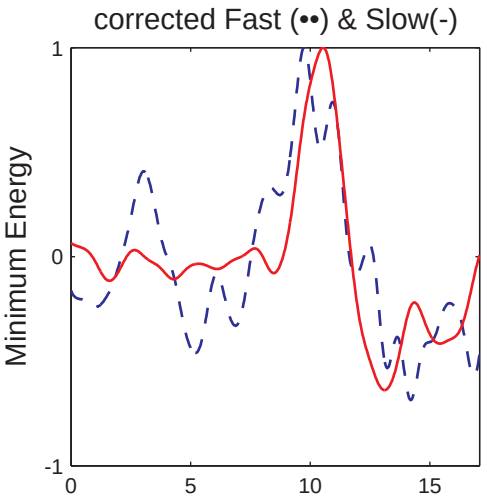


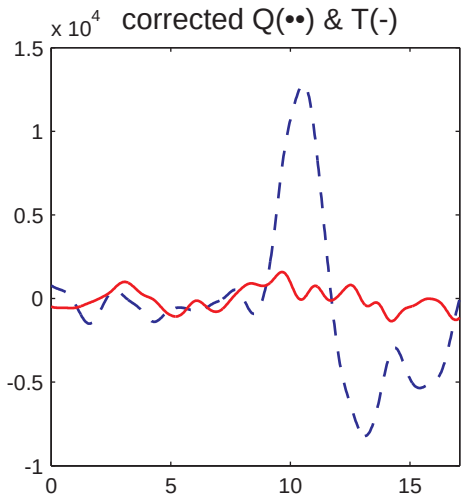


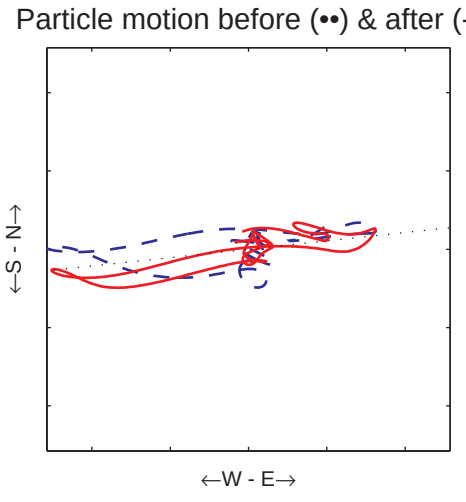


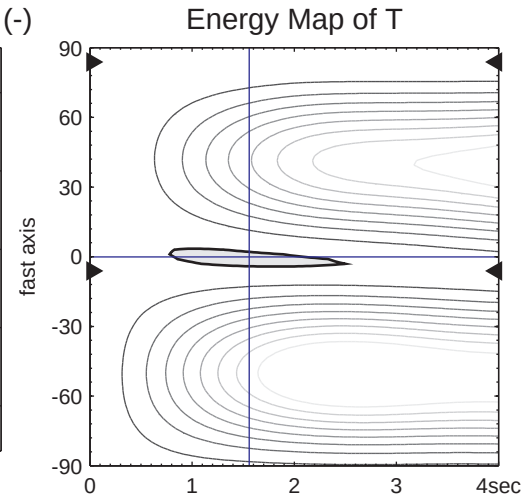


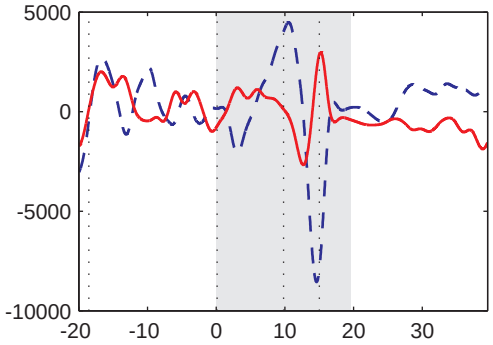








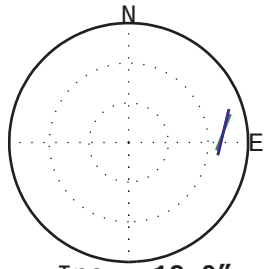




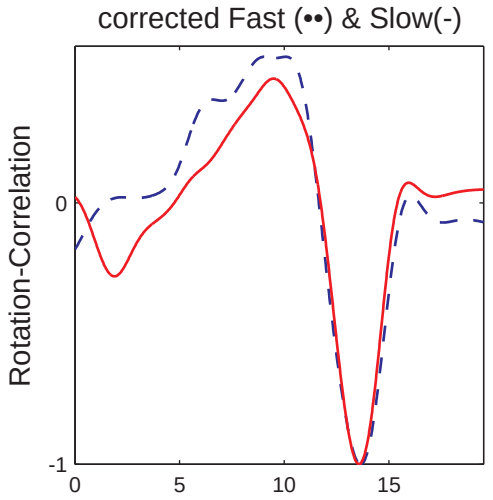
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **TAHT** Backazimuth: **83.8”** Distance: **111.05”**
init.Pol.: **263.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.8**

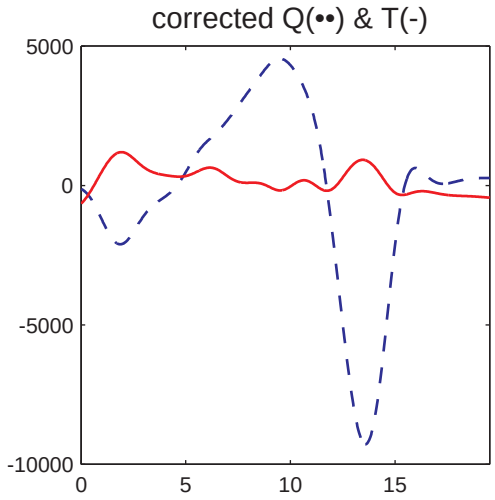
Rotation Correlation:	16<	22° <	38	0.8<1.2s<1.5
Minimum Energy:	11<	14° <	17	1.2<1.5s<1.7
Eigenvalue:	9<	14° <	19	1.2<1.5s<1.7

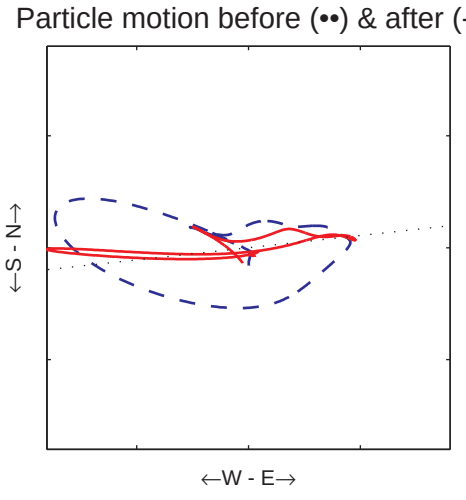
Quality: **fair** IsNull: **No** Phase: **SKKS**

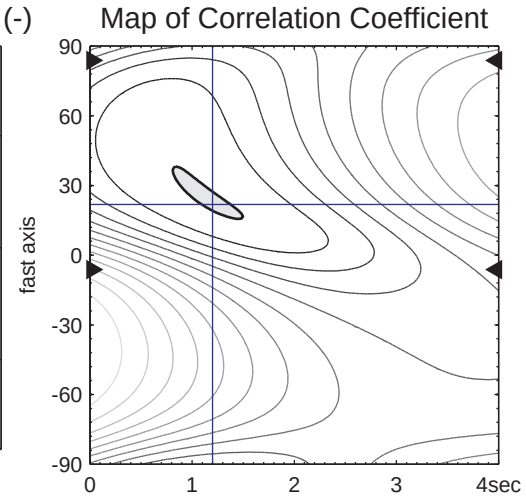


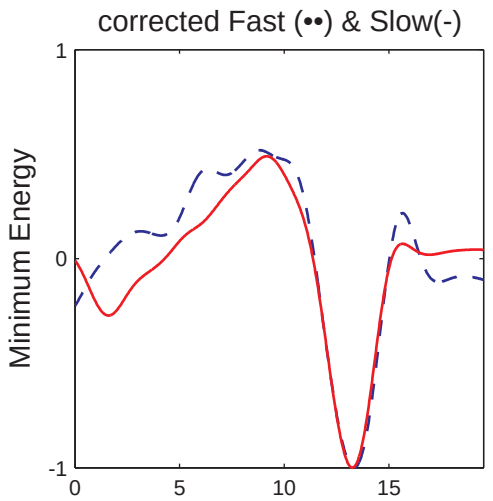
Inc = **12.0”**

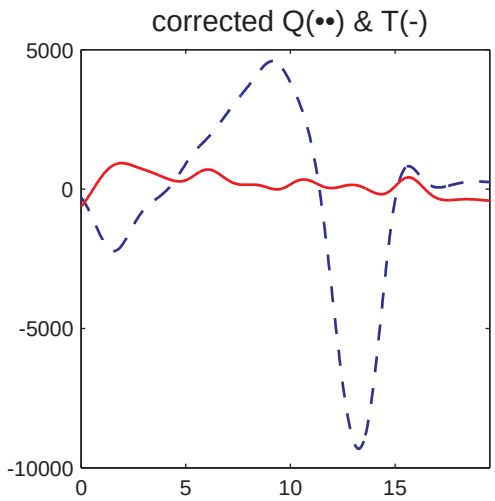


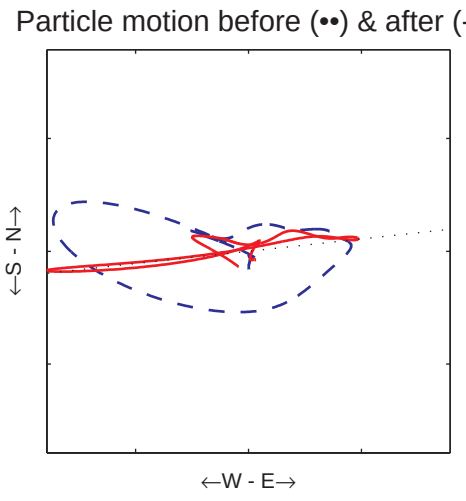


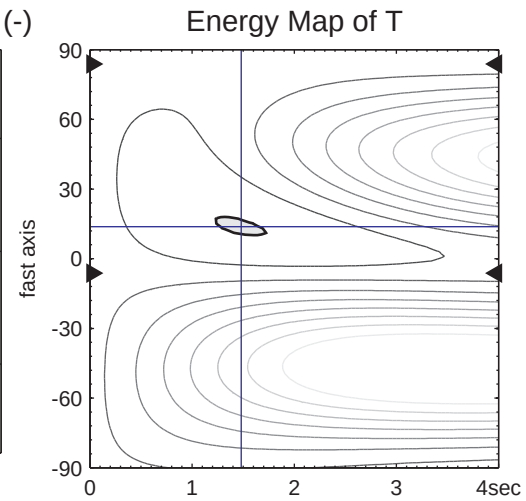


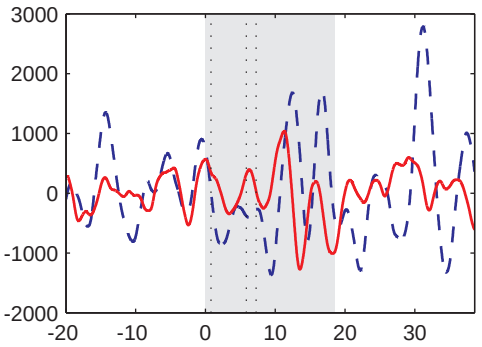








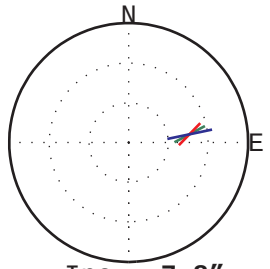




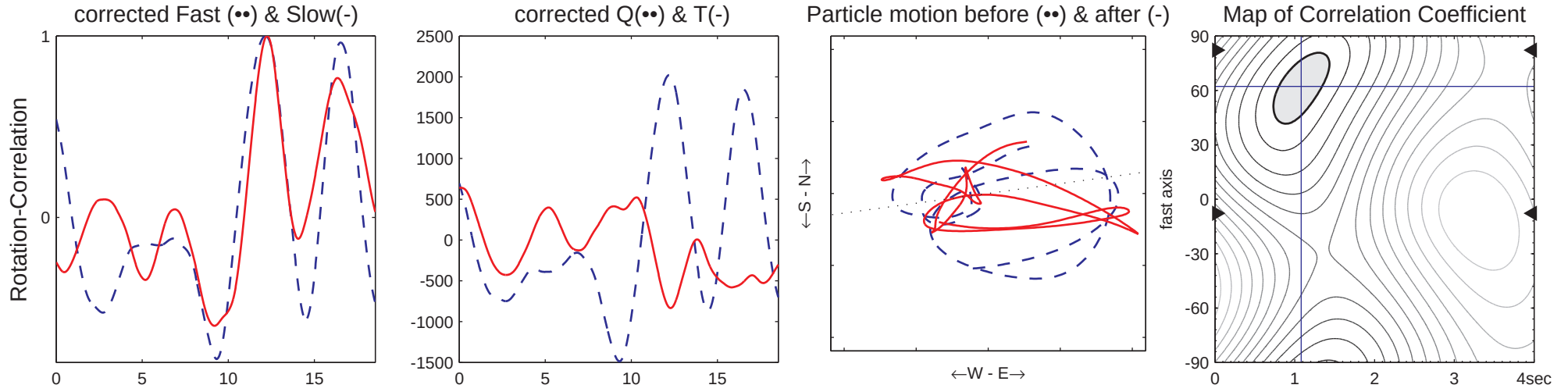
Event: **11-Apr-2005 (101) 12:20 -3.48N 145.91E 11km Mw=6.7**
Station: **URFA** Backazimuth: **82.2”** Distance: **105.65”**
init.Pol.: **289.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.0**

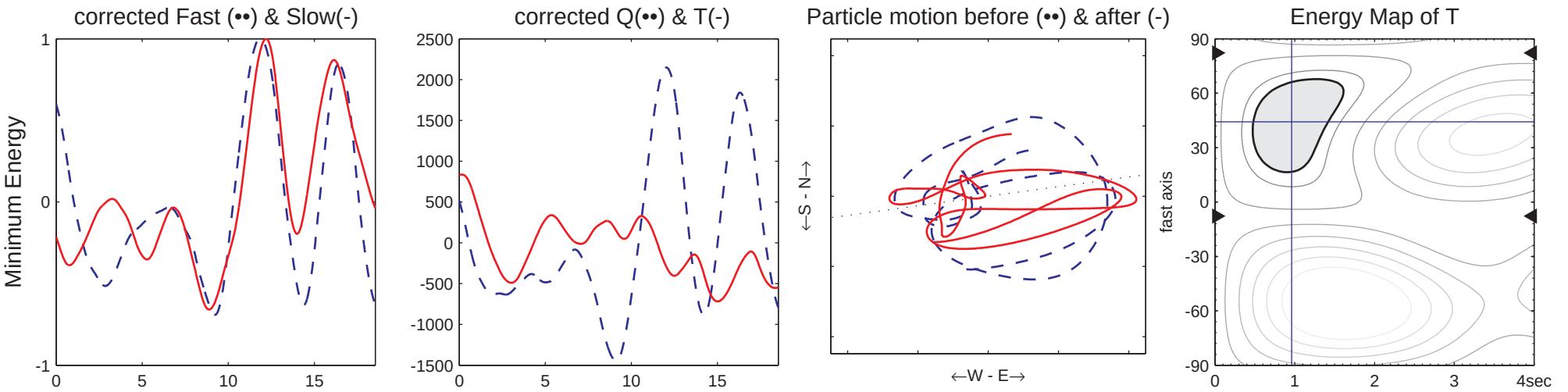
Rotation Correlation:	42<	62° <	81	0.7<1.1s<1.4
Minimum Energy:	17<	44° <	68	0.5<1.0s<1.6
Eigenvalue:	56<	78° < -86		0.9<1.4s<1.9

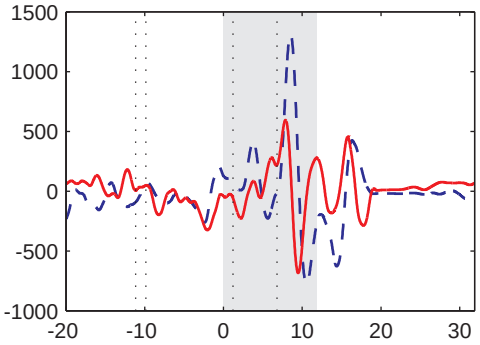
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.8”**



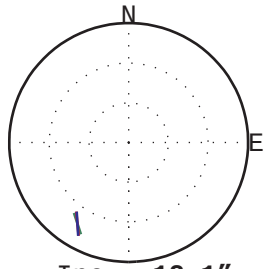




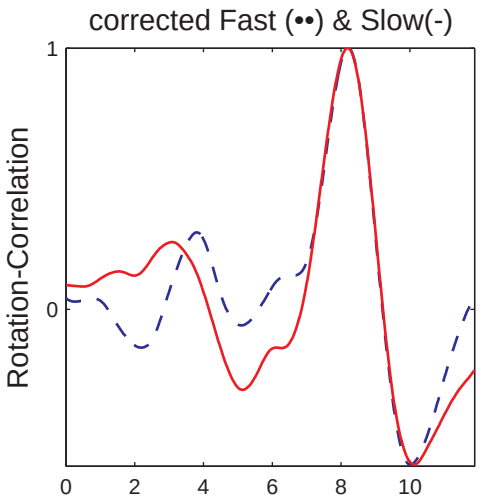
Event: **18-May-2005 (138) 09:10 -56.41N -26.86E 102km Mw=6.0**
Station: **URFA** Backazimuth: **212.2”** Distance: **109.00”**
init.Pol.: **33.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.4**

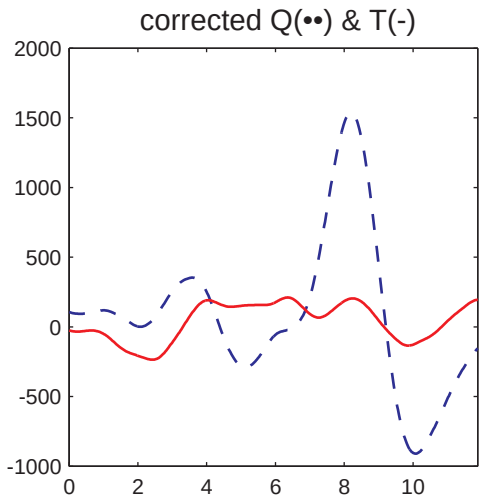
Rotation Correlation:	-29<	-18° < -10	0.6<0.7s<0.8
Minimum Energy:	-17<	-6° < 1	0.6<0.8s<0.9
Eigenvalue:	-25<	-4° < 13	0.6<0.8s<1.0

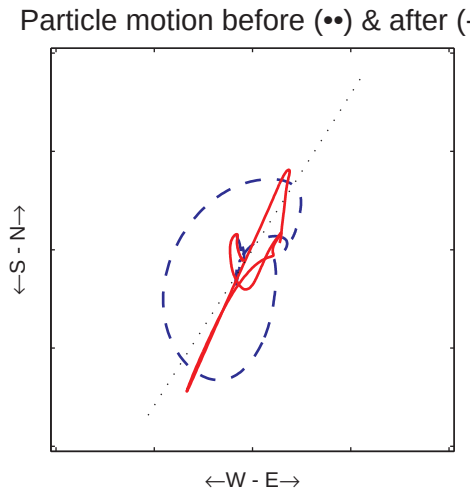
Quality: **fair** IsNull: **No** Phase: **SKKS**

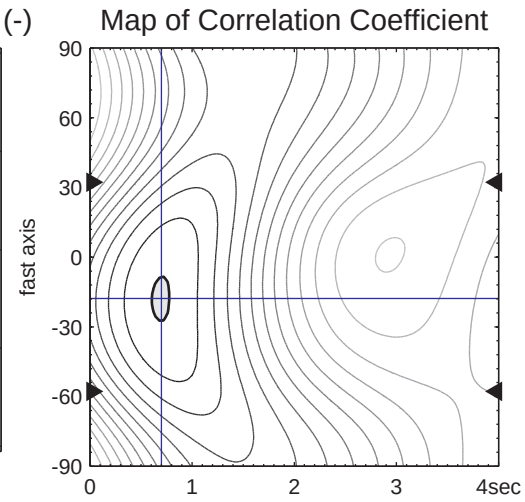


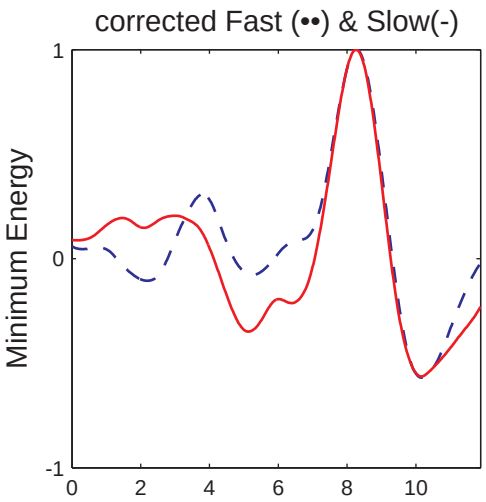
Inc = **12.1”**

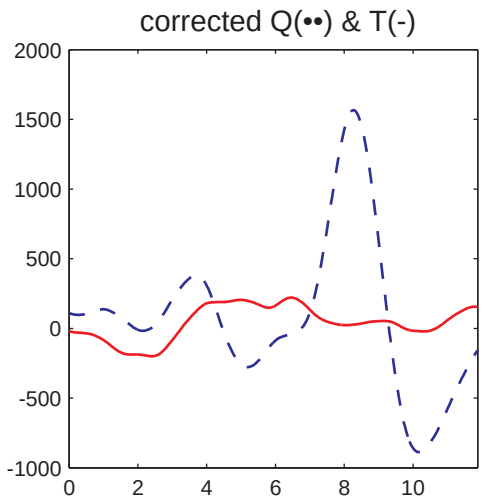


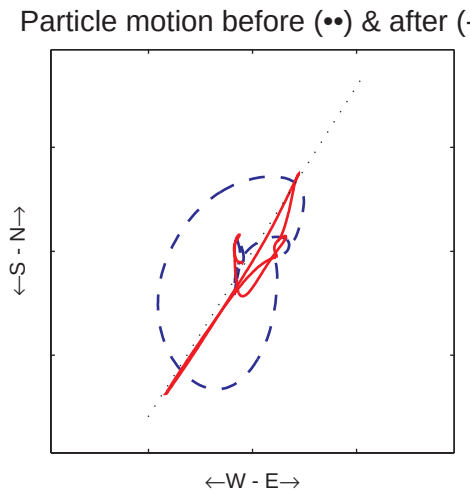


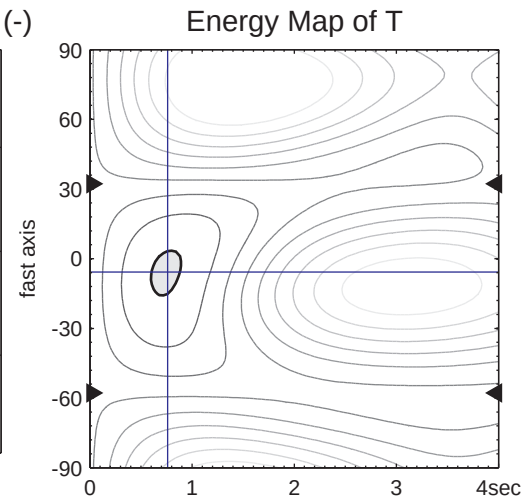


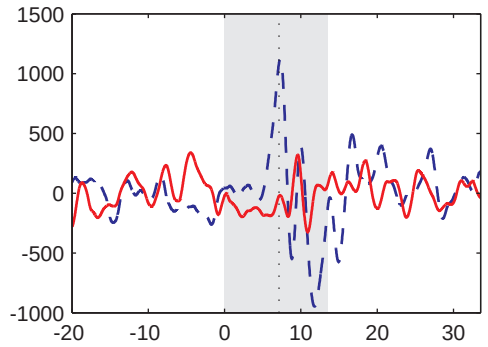








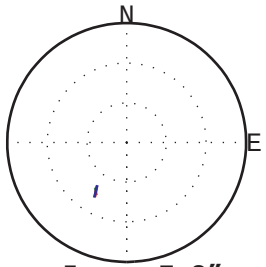




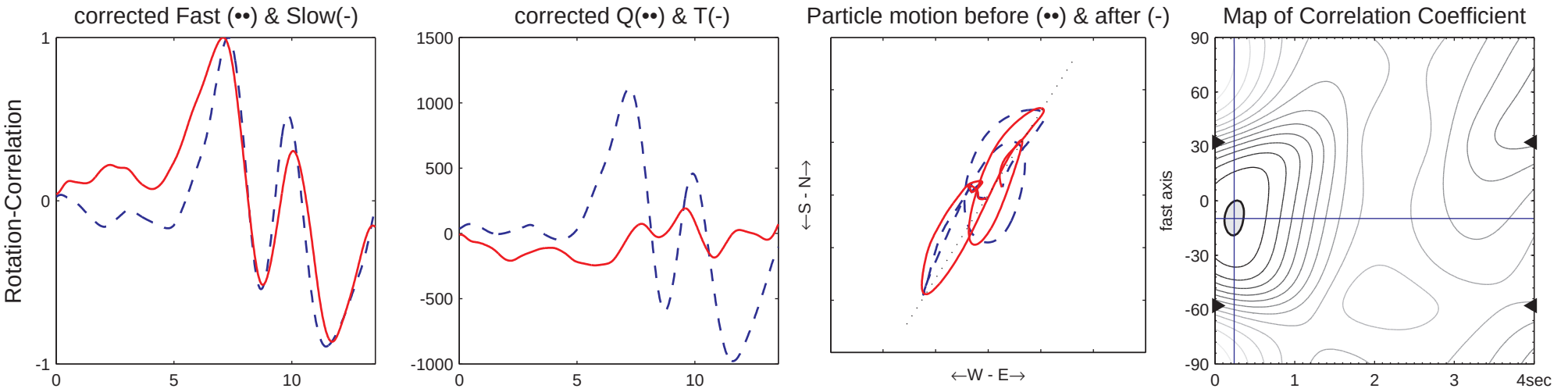
Event: **18-May-2005 (138) 09:10 -56.41N -26.86E 102km** Mw=**6.0**
Station: **URFA** Backazimuth: **212.2”** Distance: **109.00”**
init.Pol.: **36.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.2**

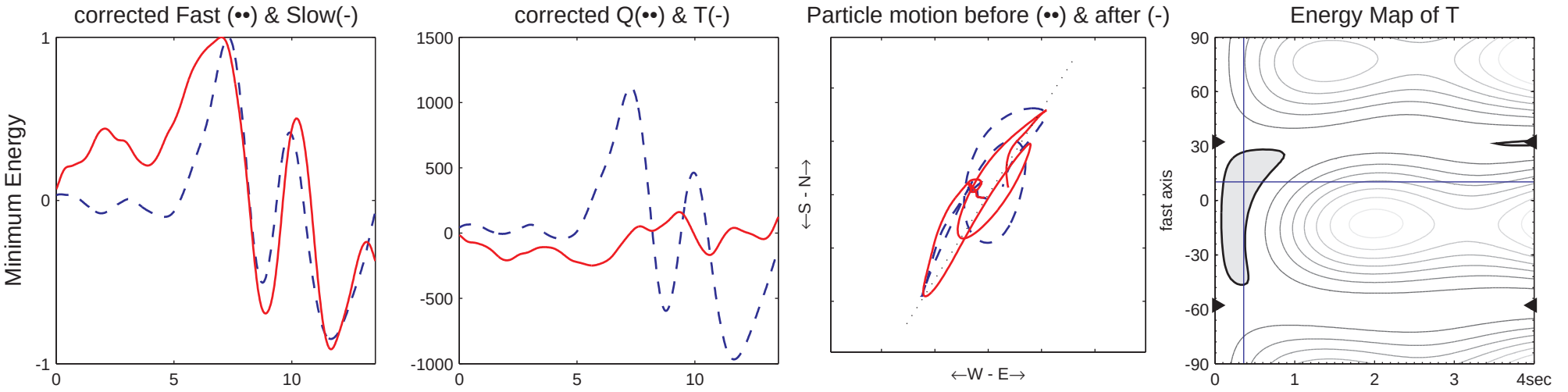
Rotation Correlation:	-20<	-10° <	-1	0.1<0.2s<0.4
Minimum Energy:	-46<	10° <	27	0.1<0.4s<0.9
Eigenvalue:	-31<	14° <	31	0.1<0.4s<0.8

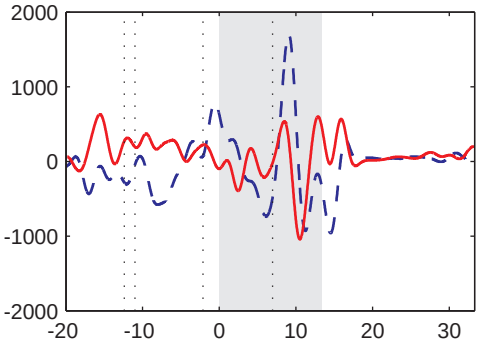
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **7.3”**



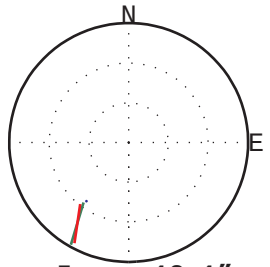




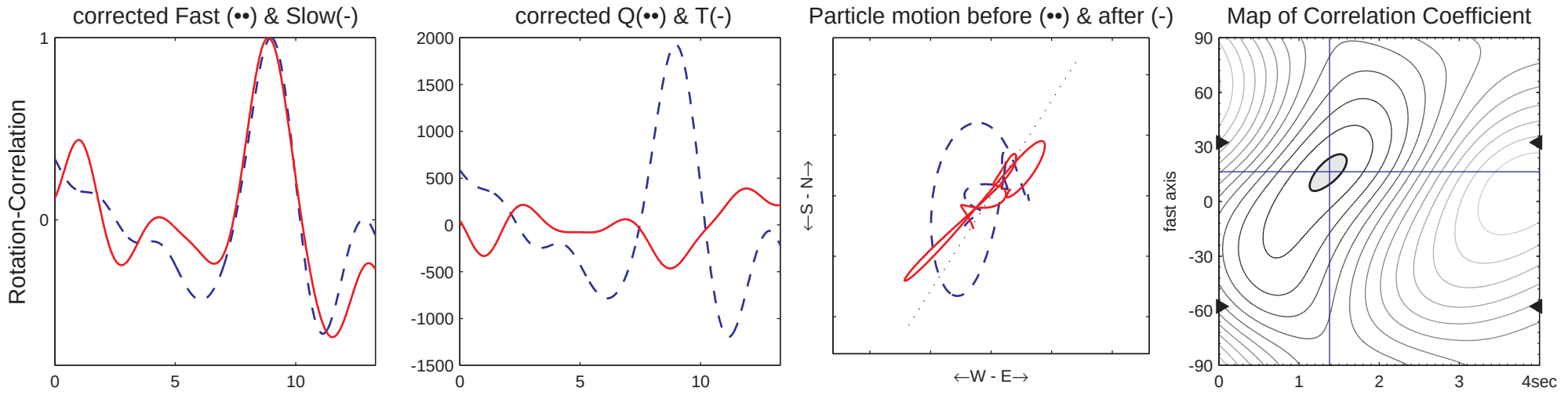
Event: **12-Jun-2005 (163) 19:26 -56.29N -27.08E 94km Mw=6.0**
Station: **URFA** Backazimuth: **212.4”** Distance: **109.01”**
init.Pol.: **51.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.2**

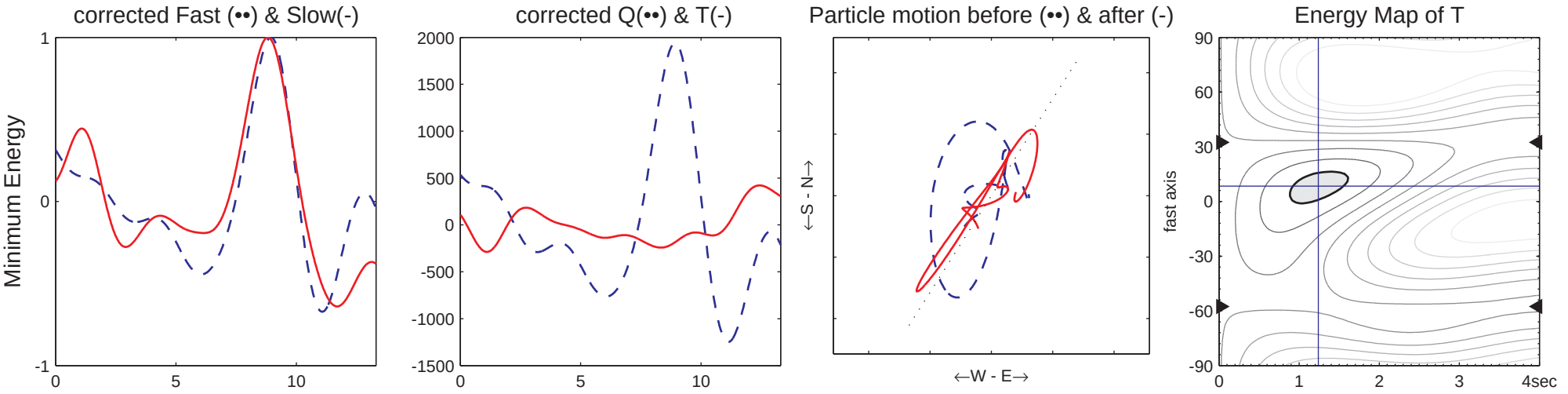
Rotation Correlation:	6<	16° <	26	1.1<1.4s<1.6
Minimum Energy:	-1<	8° <	17	0.9<1.2s<1.6
Eigenvalue:	15<	22° <	31	1.3<1.5s<1.7

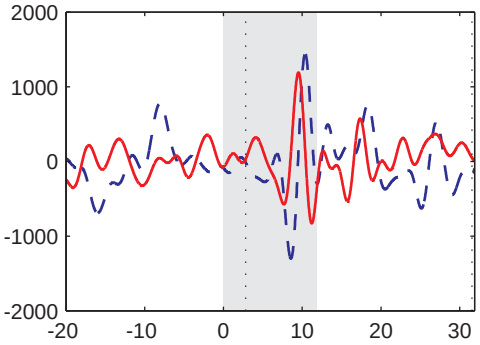
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.1”**



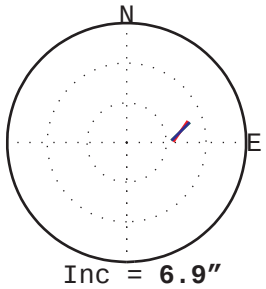


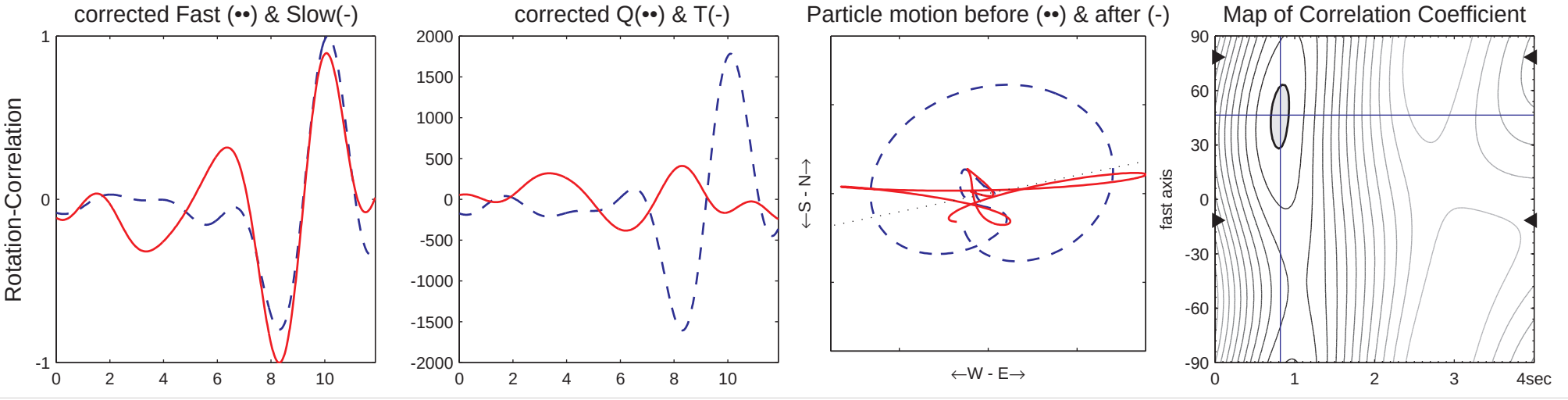


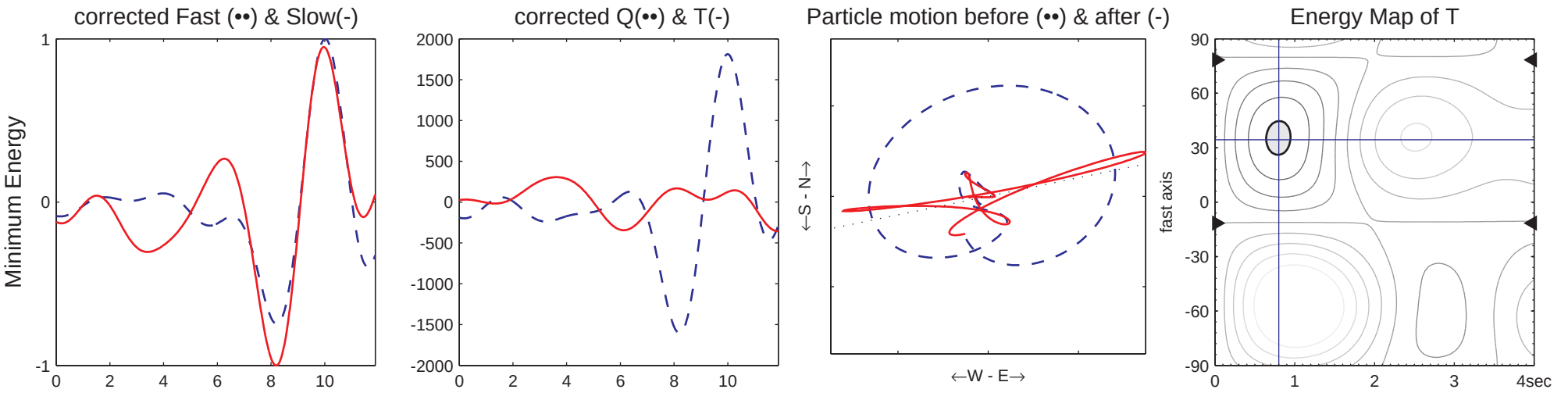
Event: **15-Jun-2005 (166) 10:13 -4.59N 153.19E 74km Mw=6.2**
Station: **URFA** Backazimuth: **78.4”** Distance: **112.04”**
init.Pol.: **266.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

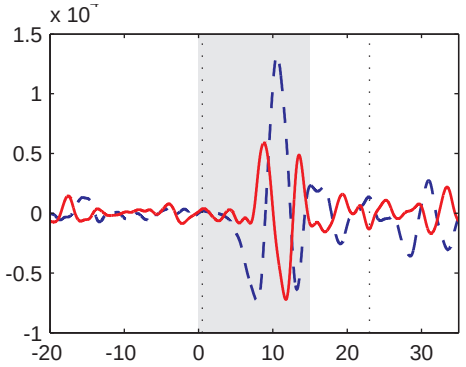
Rotation Correlation:	28<	46° <	63	0.7<0.8s<0.9
Minimum Energy:	25<	34° <	46	0.6<0.8s<1.0
Eigenvalue:	15<	44° <	76	0.6<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





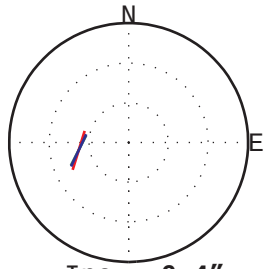


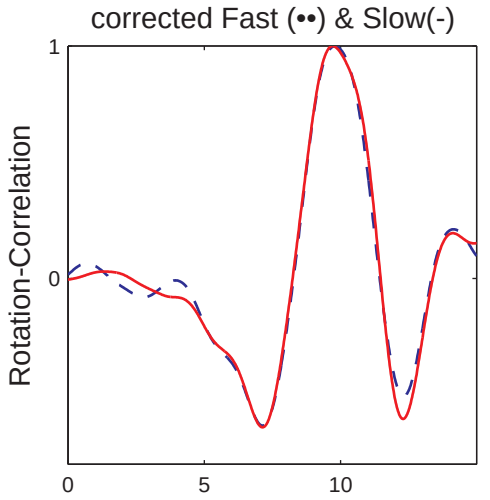


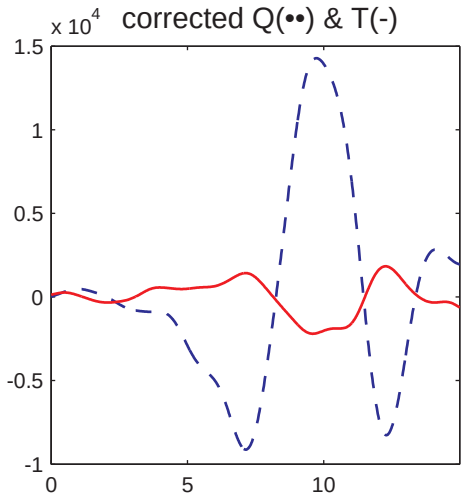
Event: **17-Nov-2005 (321) 19:26 -22.32N -67.89E 162km Mw=6.9**
Station: **URFA** Backazimuth: **261.0”** Distance: **116.24”**
init.Pol.: **89.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**13.3**

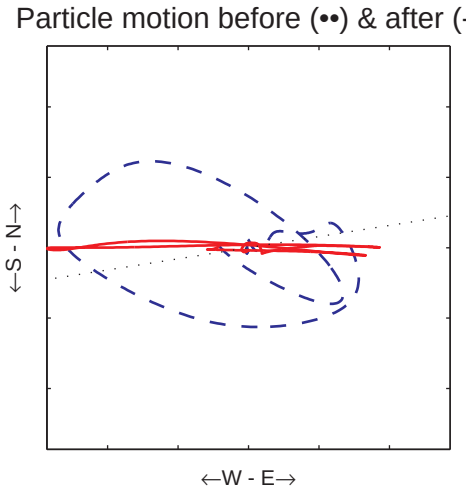
Rotation Correlation:	23<	27° <	35	0.9<1.1s<1.2
Minimum Energy:	13<	17° <	21	1.2<1.3s<1.4
Eigenvalue:	23<	25° <	29	1.0<1.1s<1.2

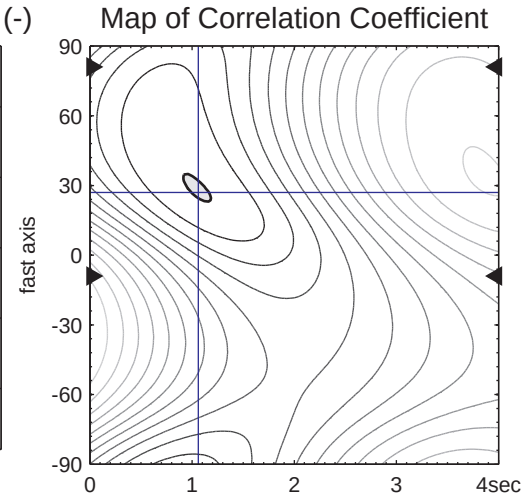
Quality: **fair** IsNull: **No** Phase: **SKS**

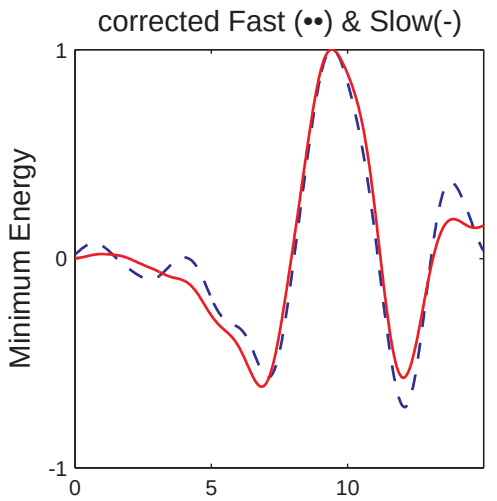


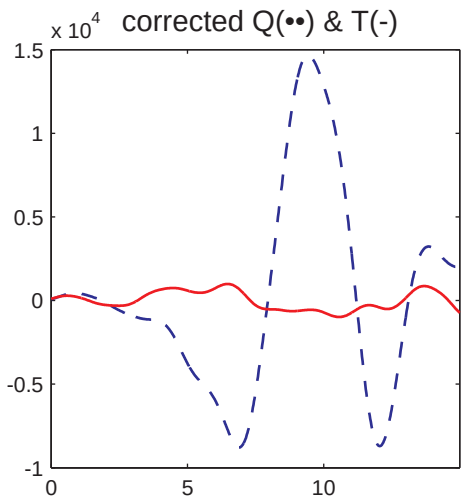


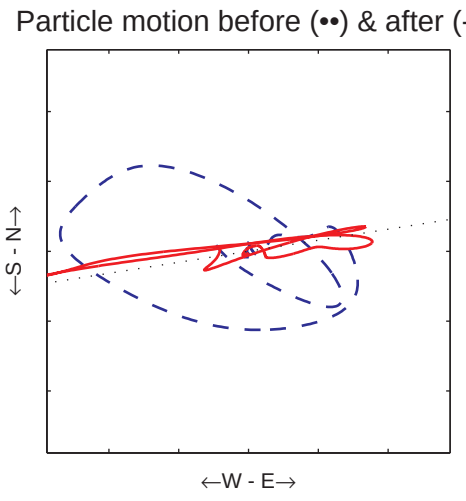


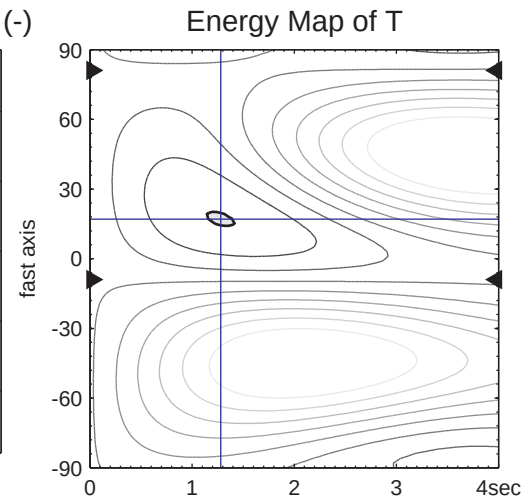


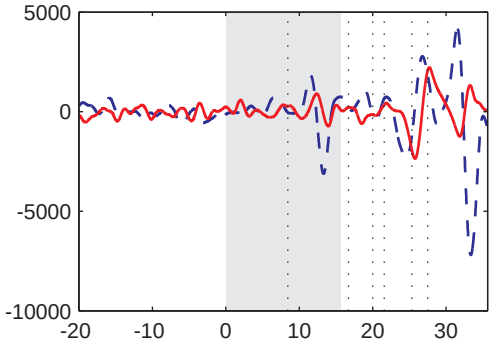








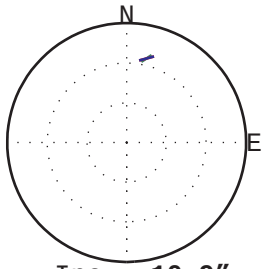




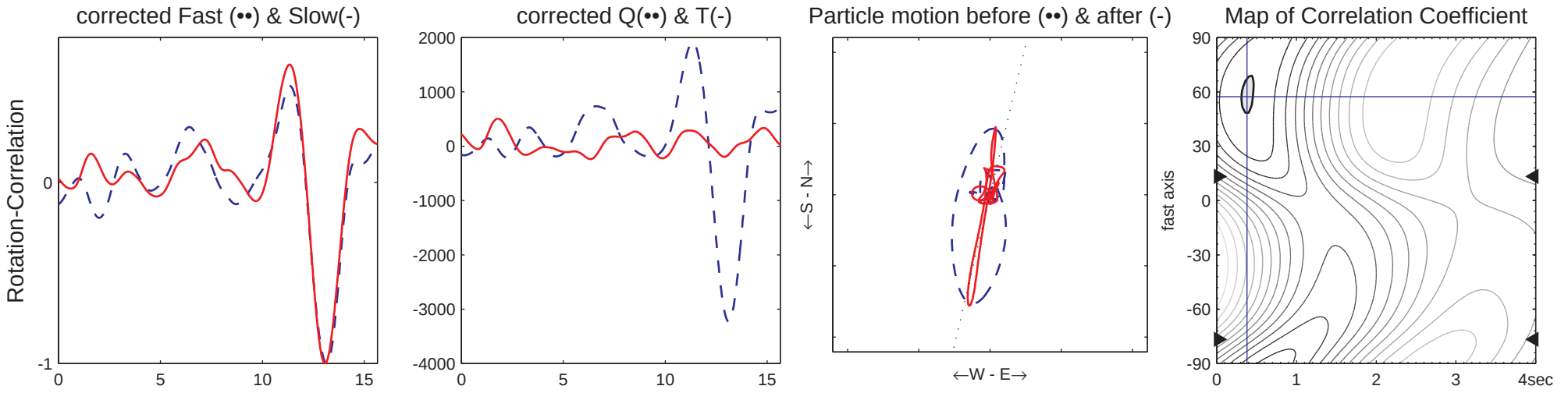
Event: **20-Nov-2005 (324) 12:53 53.84N -164.09E 30km Mw=6.2**
Station: **URFA** Backazimuth: **13.3”** Distance: **86.60”**
init.Pol.: **193.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.7**

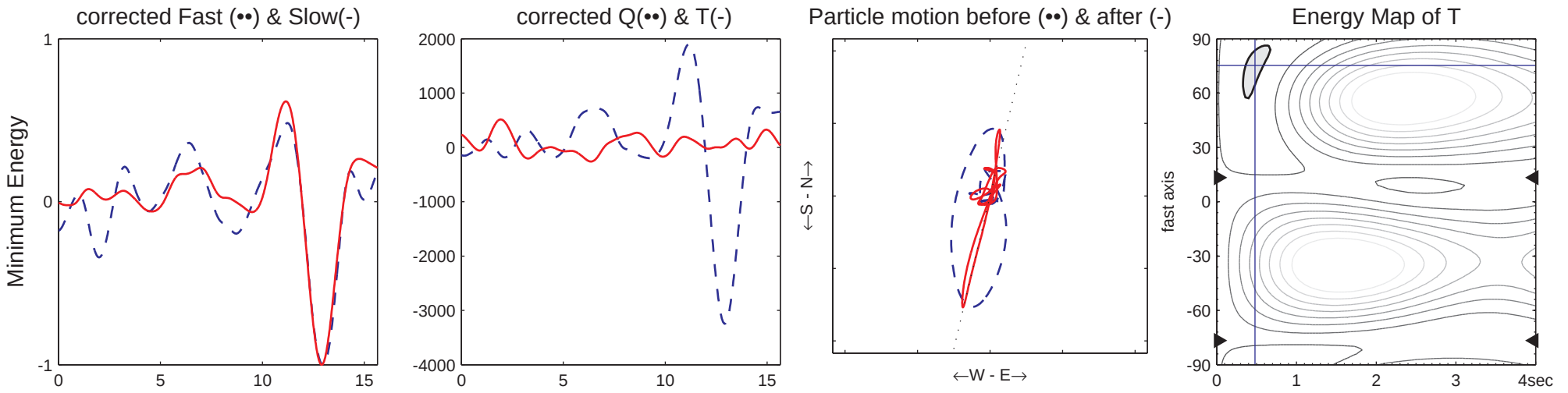
Rotation Correlation:	49<	57° <	69	0.3<0.4s<0.5
Minimum Energy:	58<	75° <	86	0.3<0.5s<0.7
Eigenvalue:	41<	75° <	-92	0.3<0.5s<0.8

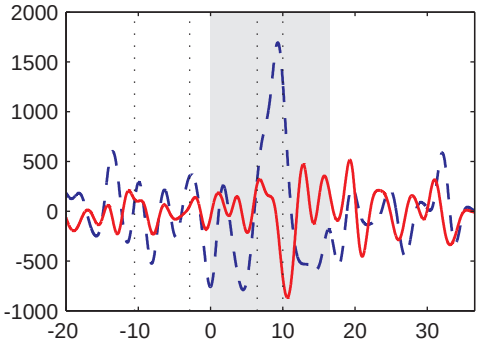
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.9”**



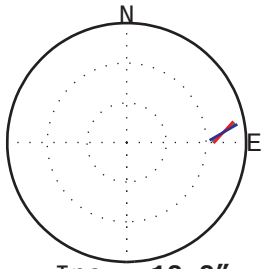




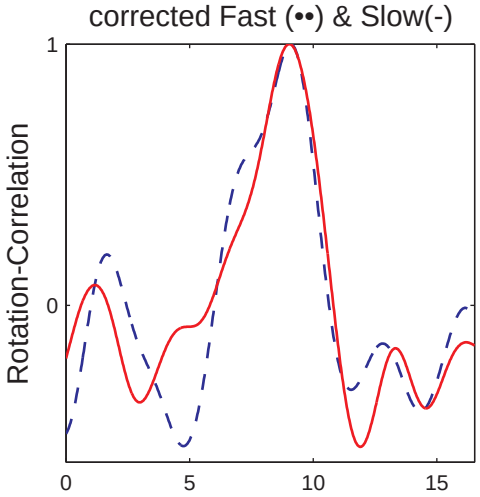
Event: **22-Nov-2005 (326) 15:11 -5.15N 145.28E 68km Mw=6.2**
Station: **URFA** Backazimuth: **84.0”** Distance: **106.18”**
init.Pol.: **274.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.6**

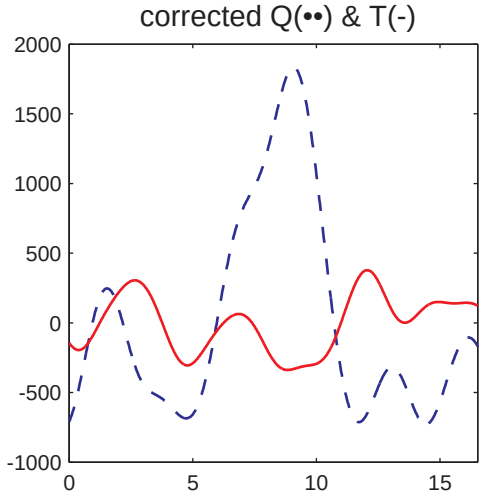
Rotation Correlation:	43<	52° <	62	0.7<0.9s<1.1
Minimum Energy:	23<	42° <	62	0.6<0.9s<1.2
Eigenvalue:	41<	60° <	76	0.7<1.0s<1.4

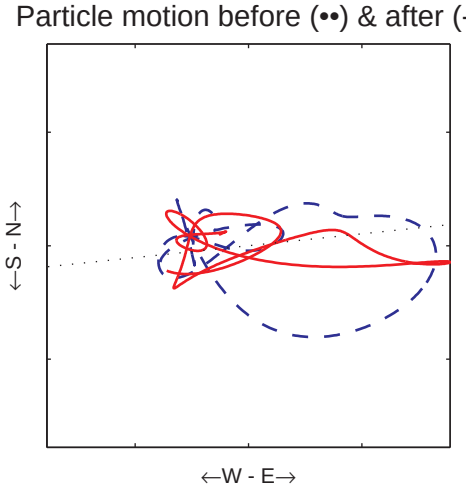
Quality: **fair** IsNull: **No** Phase: **SKKS**

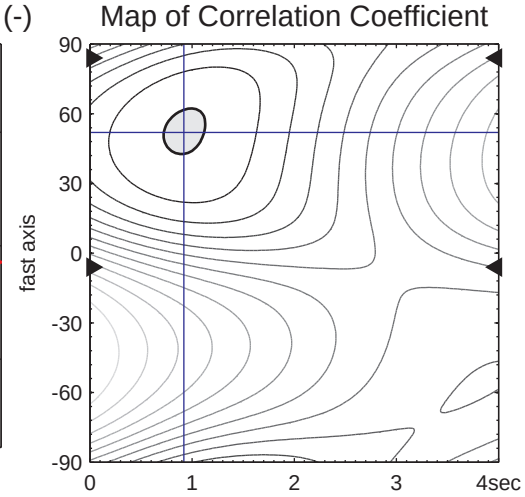


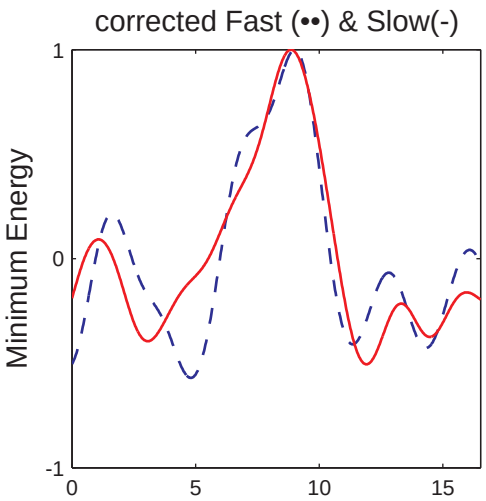
Inc = **12.2”**

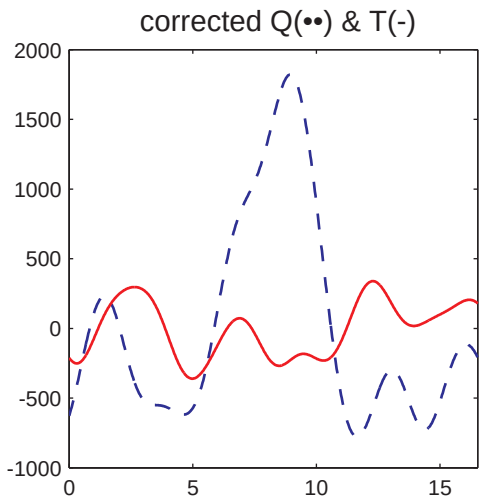


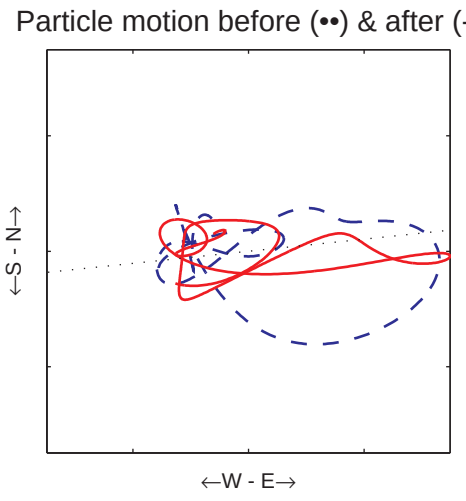


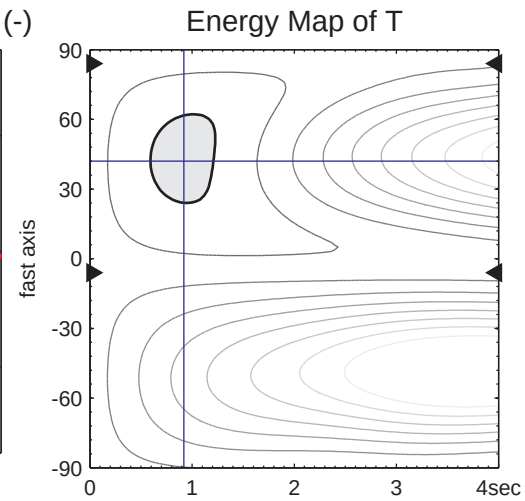


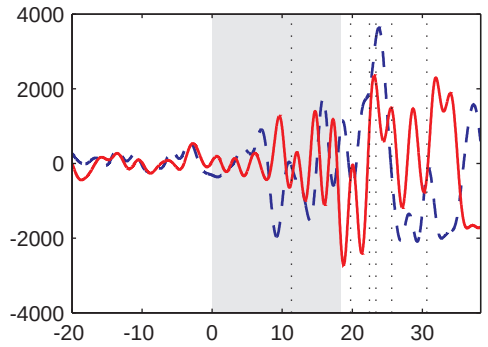








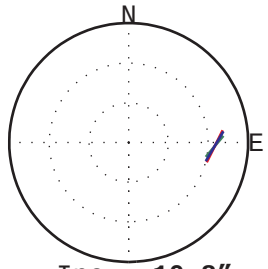




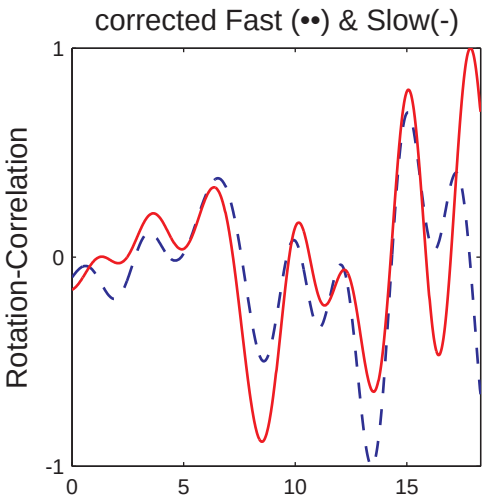
Event: **21-Dec-2005 (355) 07:09 -0.07N 124.67E 25km Mw=6.3**
Station: **URFA** Backazimuth: **92.6”** Distance: **86.75”**
init.Pol.: **280.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

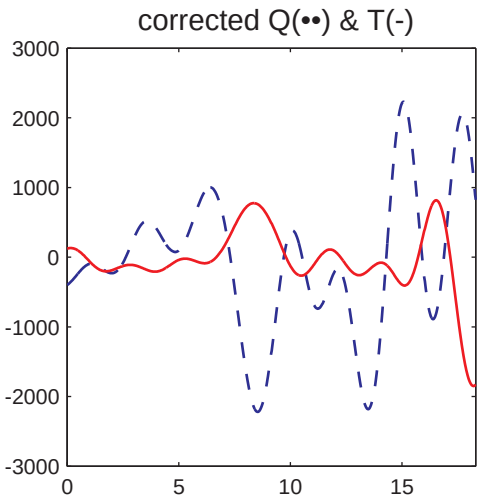
Rotation Correlation:	36<	40° <	46	0.8<0.9s<1.0
Minimum Energy:	21<	27° <	31	0.9<1.1s<1.3
Eigenvalue:	23<	31° <	41	0.8<1.1s<1.3

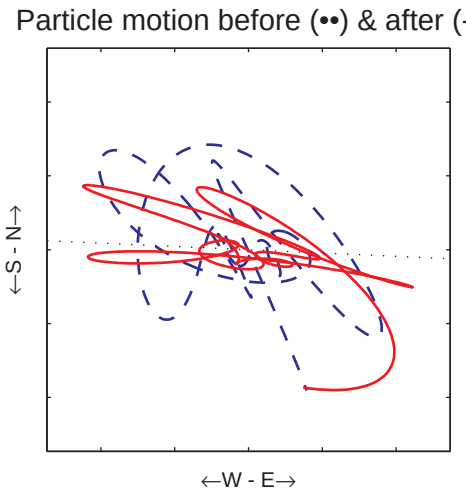
Quality: **fair** IsNull: **No** Phase: **SKS**

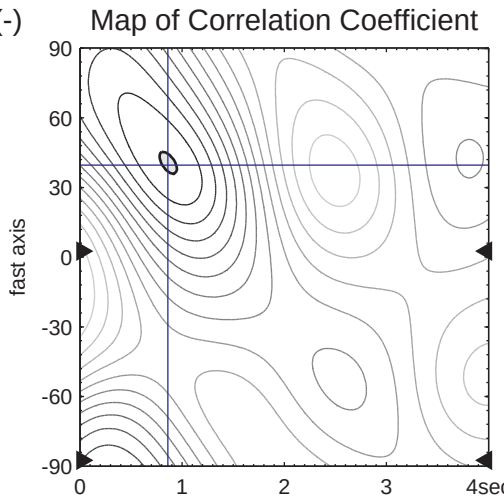


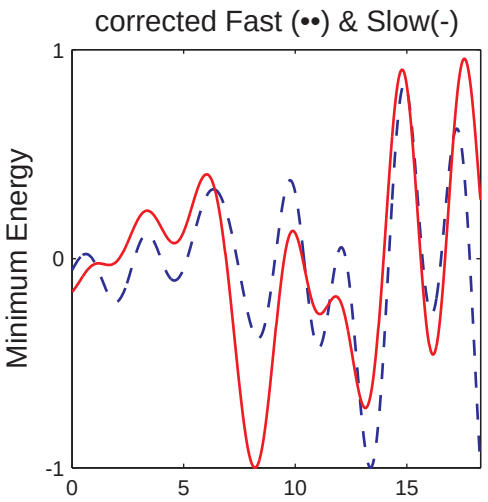
Inc = **10.8”**

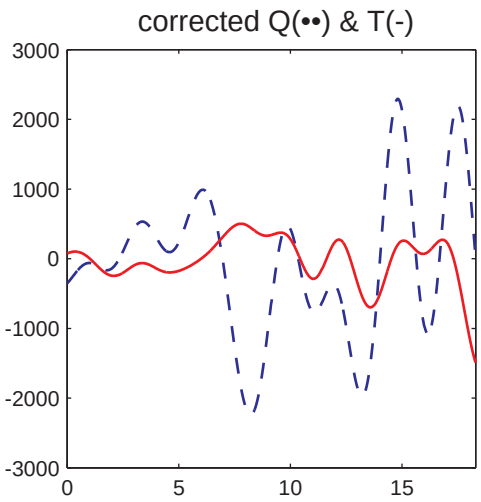


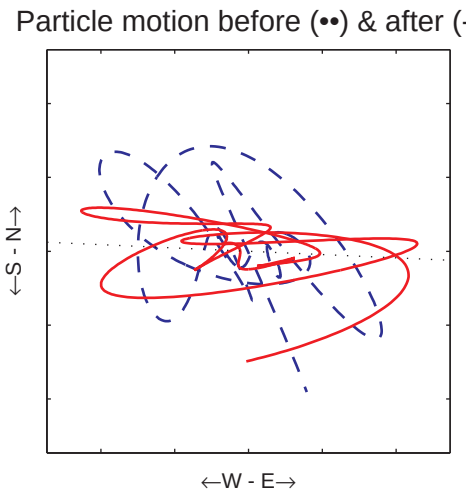


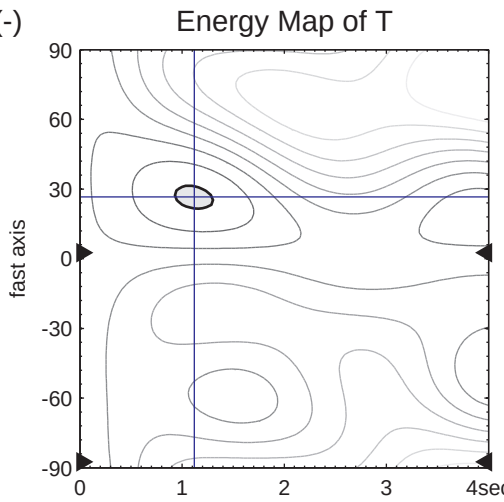


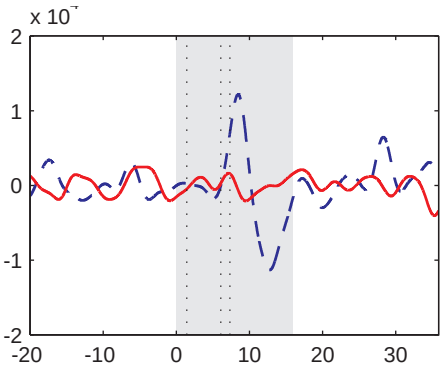








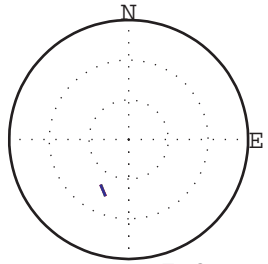


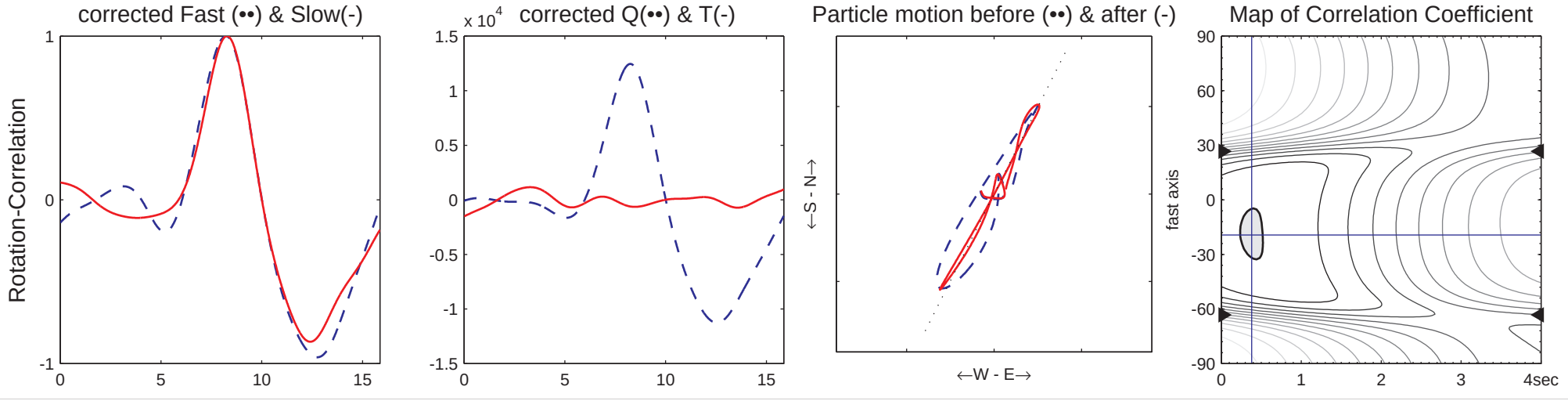


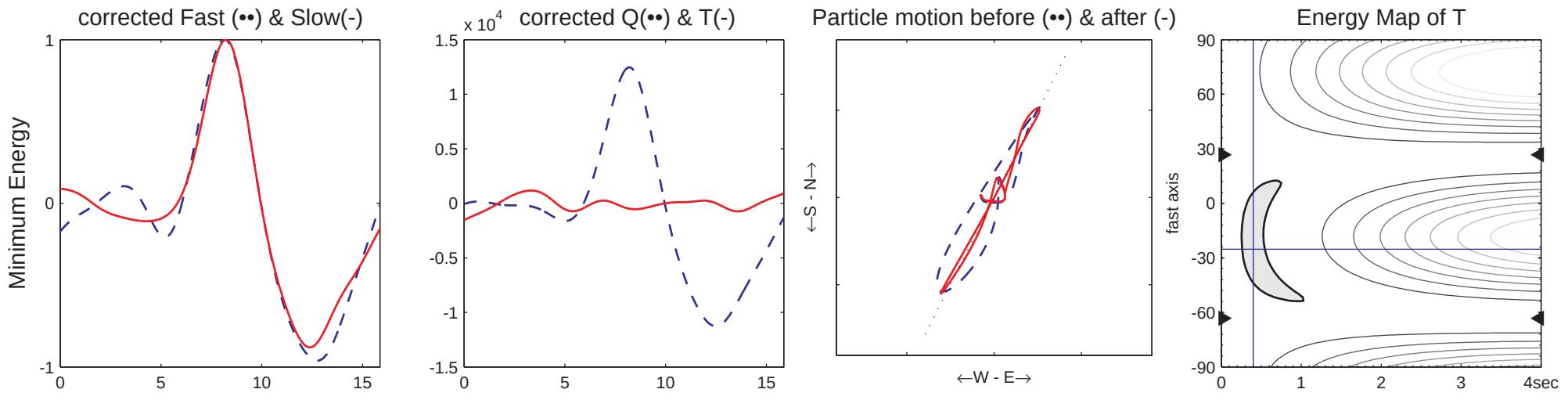
Event: **02-Jan-2006 (002) 06:10 -60.93N -21.58E 10km** Mw=**7.4**
Station: **URFA** Backazimuth: **206.7”** Distance: **109.93”**
init.Pol.: **27.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.9**

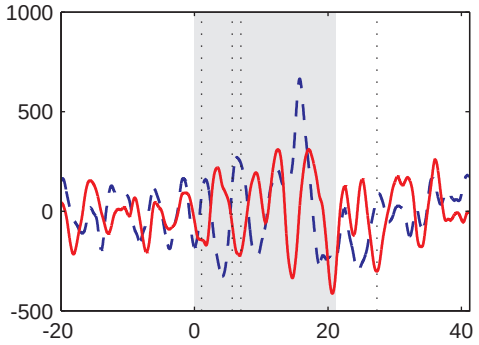
Rotation Correlation:	-34<	-19° <	-6	0.2<0.4s<0.5
Minimum Energy:	-56<	-25° <	11	0.2<0.4s<1.0
Eigenvalue:	-60<	-23° <	17	0.2<0.4s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





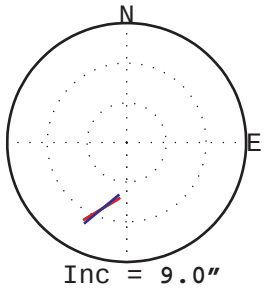


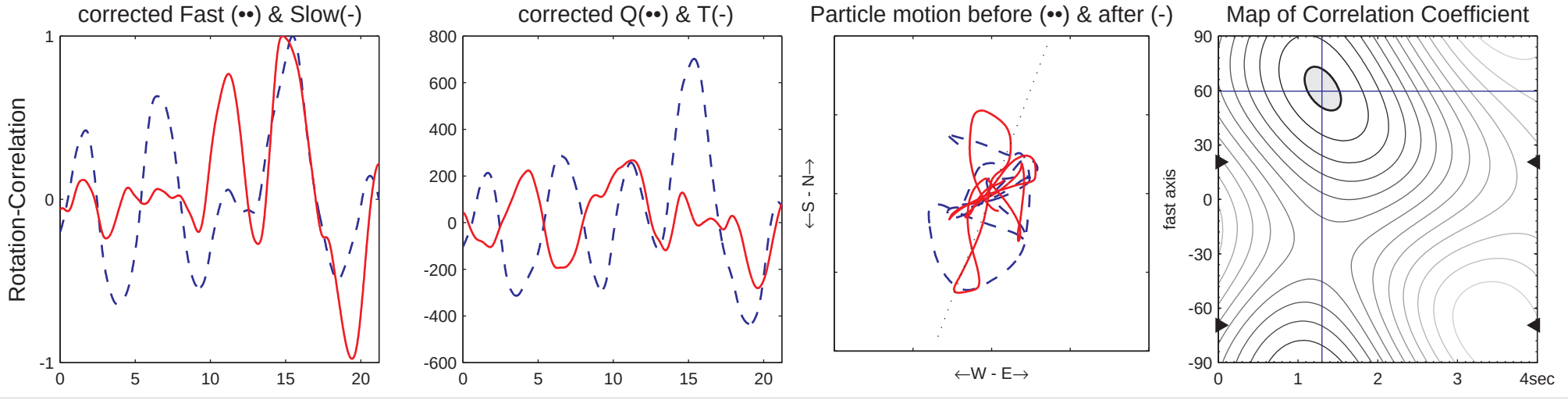


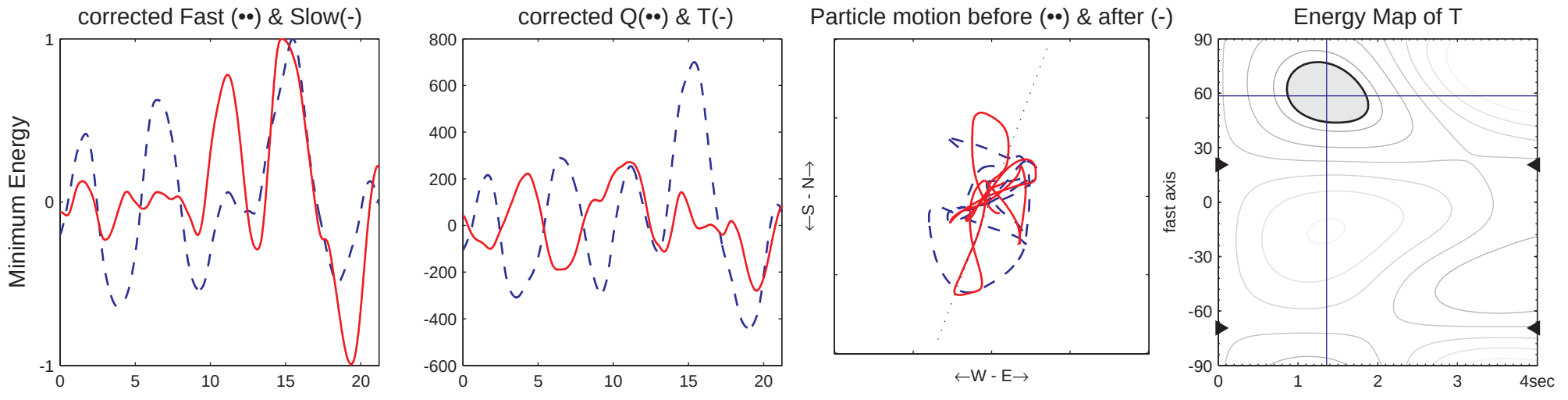
Event: **23-Feb-2006 (054) 04:04 -54.67N 1.76E 10km Mw=6.2**
Station: **URFA** Backazimuth: **200.6”** Distance: **97.45”**
init.Pol.: **12.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.6**

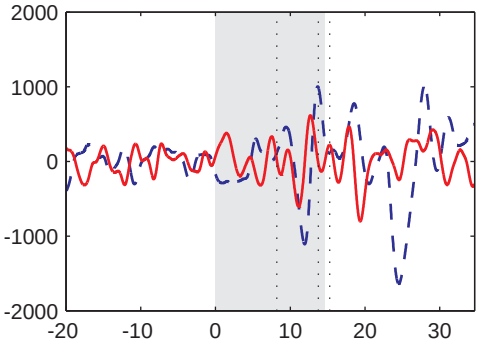
Rotation Correlation:	49<	60° <	73	1.1<1.3s<1.5
Minimum Energy:	43<	59° <	78	0.9<1.4s<1.9
Eigenvalue:	27<	51° <	82	0.9<1.4s<2.0

Quality: **fair** IsNull: **No** Phase: **SKS**





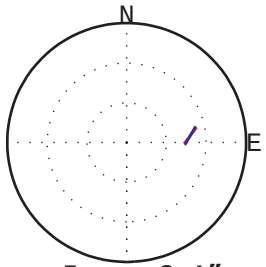




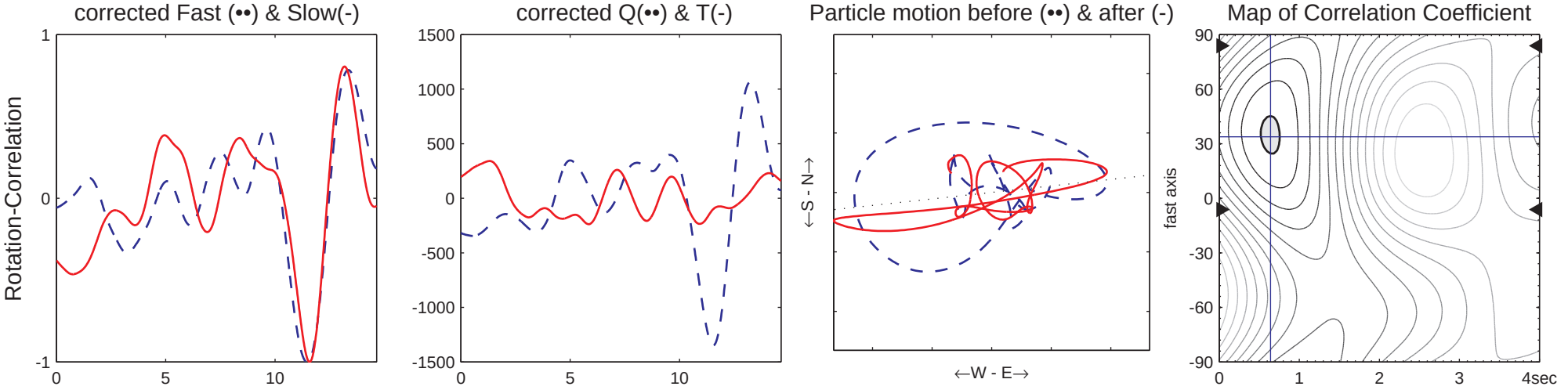
Event: **24-Mar-2006 (083) 12:27 -3.24N 143.14E 12km Mw=6.1**
Station: **URFA** Backazimuth: **83.8”** Distance: **103.32”**
init.Pol.: **258.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.9**

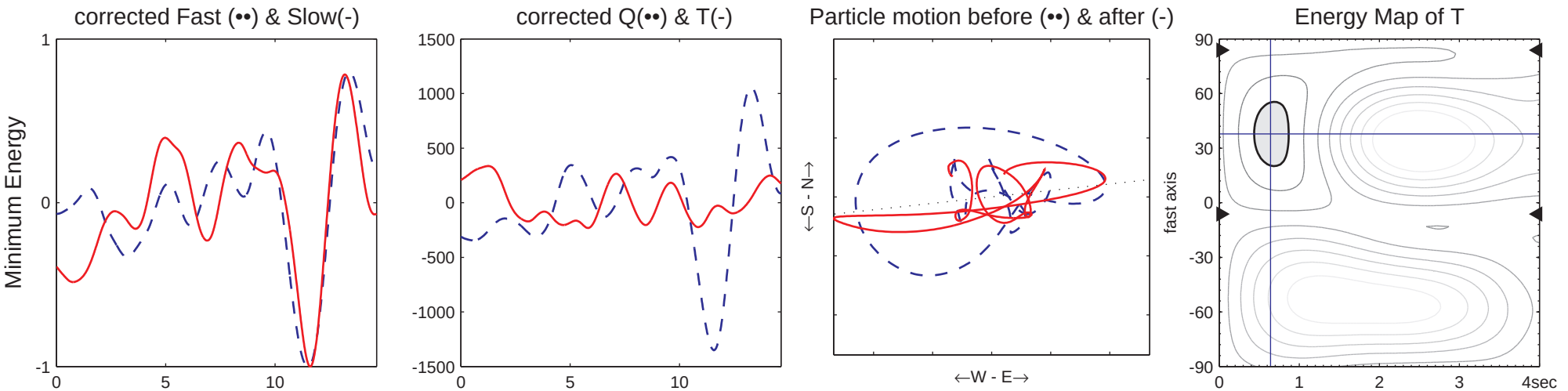
Rotation Correlation:	25<	34° <	45	0.5<0.6s<0.8
Minimum Energy:	19<	38° <	56	0.4<0.6s<0.9
Eigenvalue:	5<	30° <	58	0.4<0.7s<0.9

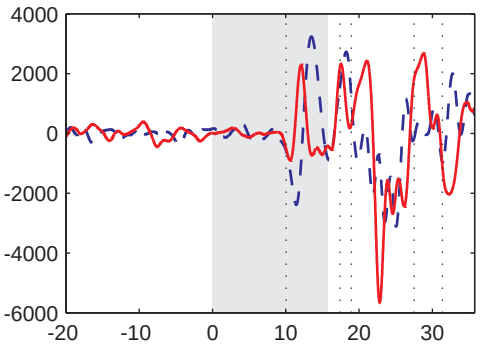
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **8.1”**



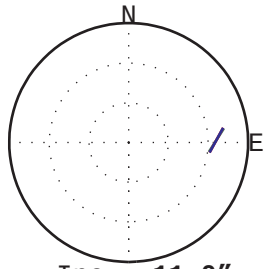




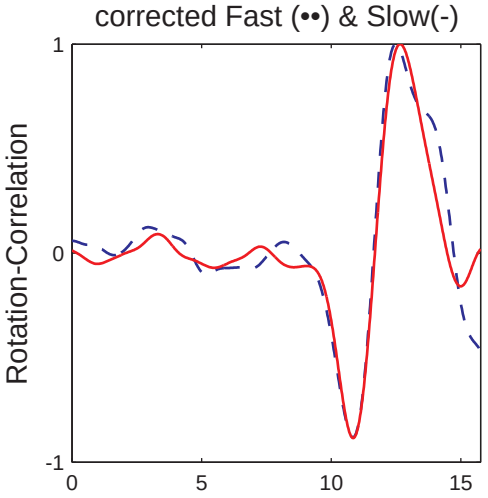
Event: **31-Mar-2006 (090) 21:14 3.79N 126.37E 54km Mw=6.2**
Station: **URFA** Backazimuth: **88.5”** Distance: **85.75”**
init.Pol.: **268.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.9**

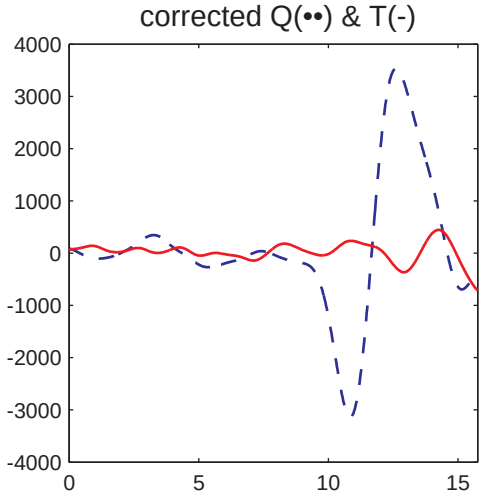
Rotation Correlation:	27<	32° <	40	0.8<0.9s<1.0
Minimum Energy:	25<	28° <	33	0.8<0.9s<1.0
Eigenvalue:	23<	28° <	35	0.8<0.9s<1.0

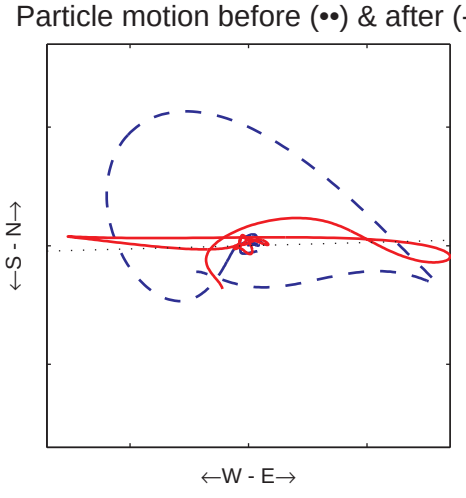
Quality: **good** IsNull: **No** Phase: **SKS**

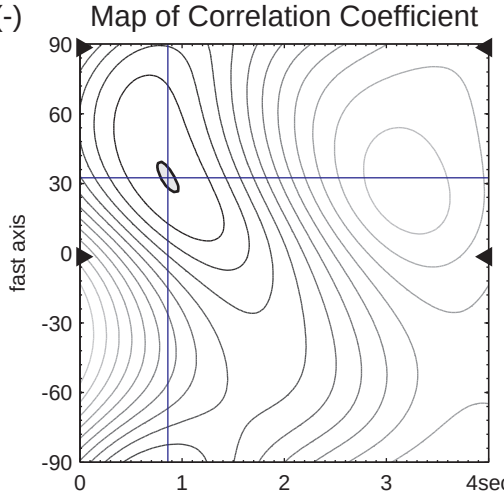


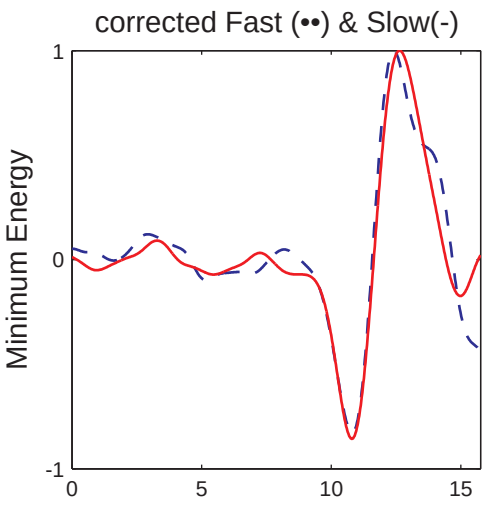
Inc = **11.0”**

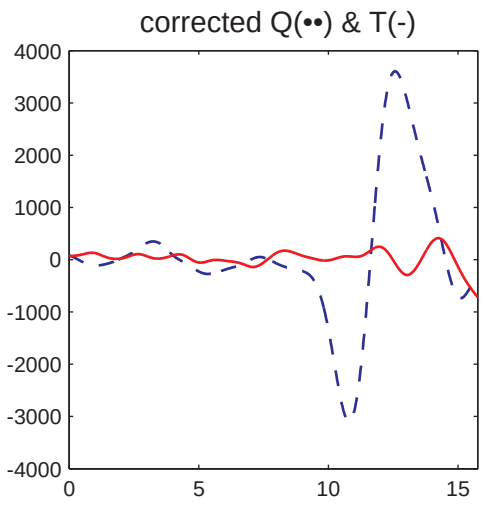


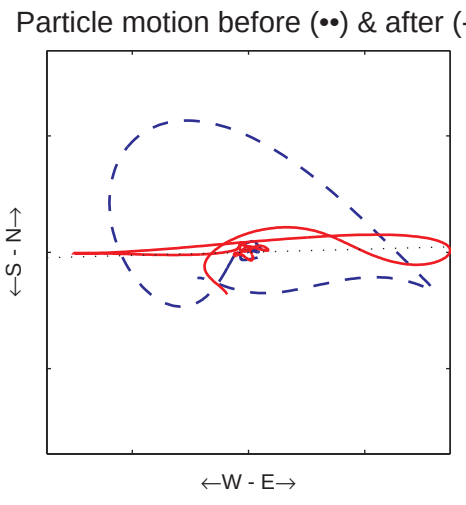


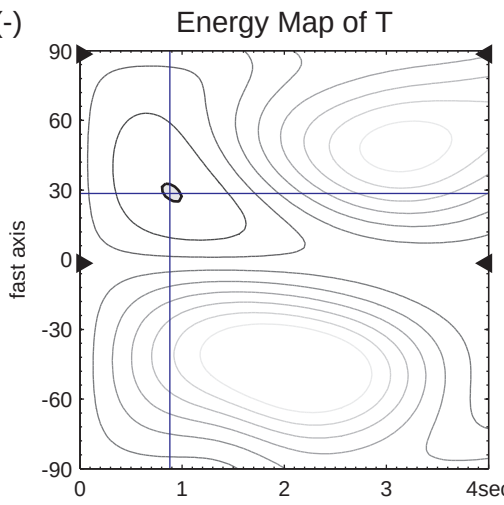


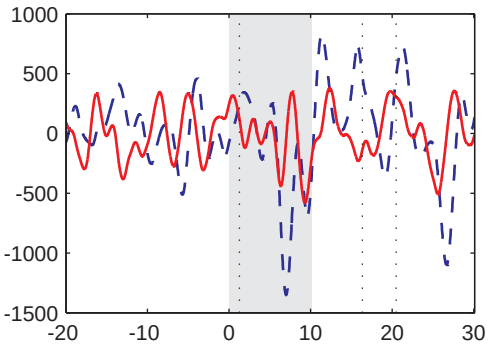








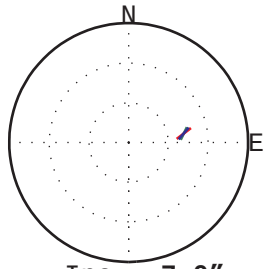




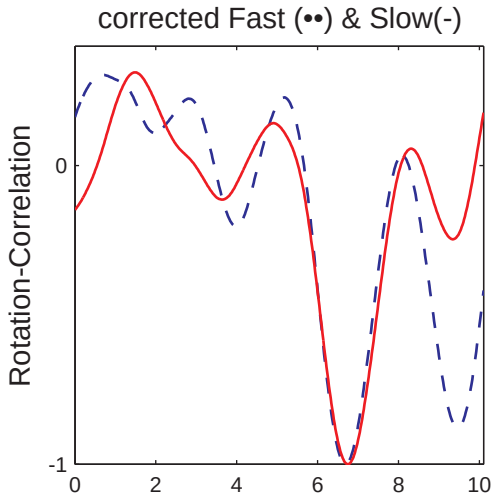
Event: **28-May-2006 (148) 03:12 -5.72N 151.13E 34km Mw=6.6**
Station: **URFA** Backazimuth: **80.7”** Distance: **111.13”**
init.Pol.: **252.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.1**

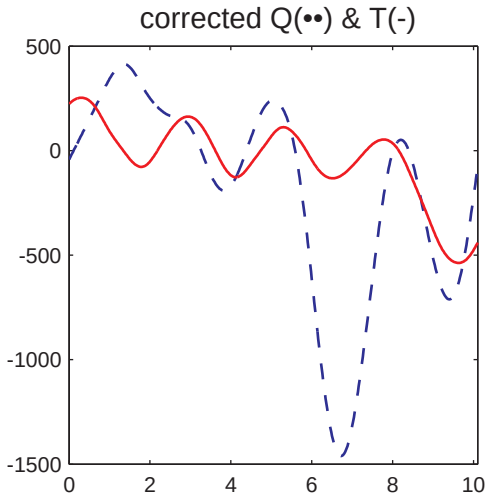
Rotation Correlation:	14<	27° <	41	0.3<0.4s<0.6
Minimum Energy:	19<	53° <	74	0.2<0.6s<1.0
Eigenvalue:	-7<	41° <	74	0.2<0.5s<1.0

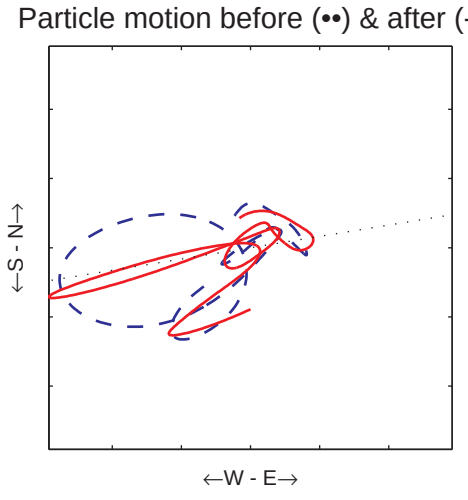
Quality: **fair** IsNull: **No** Phase: **SKS**

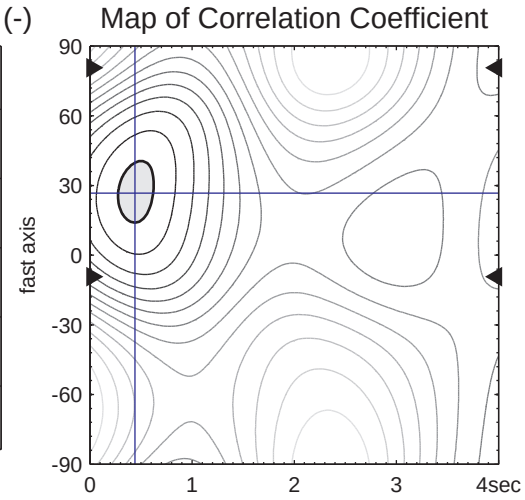


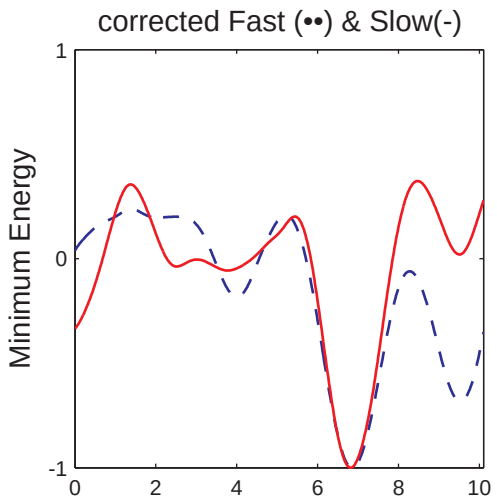
Inc = **7.0”**

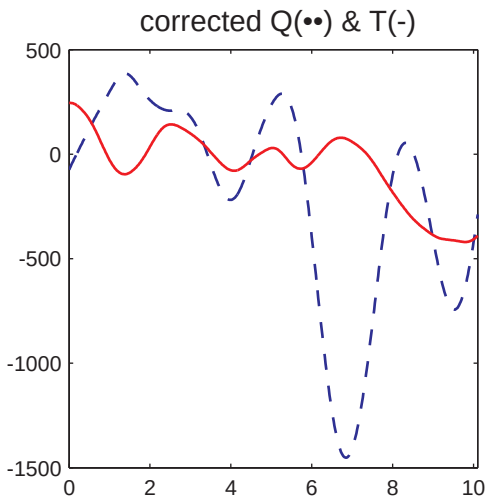


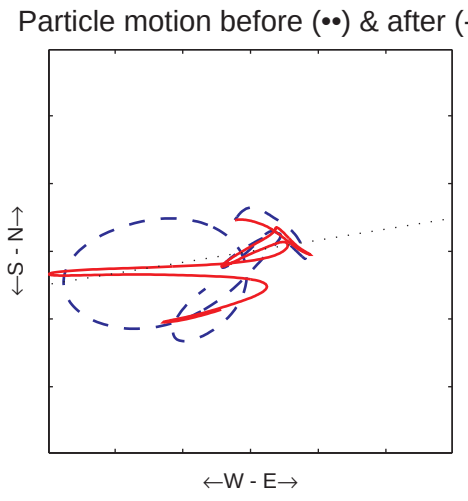


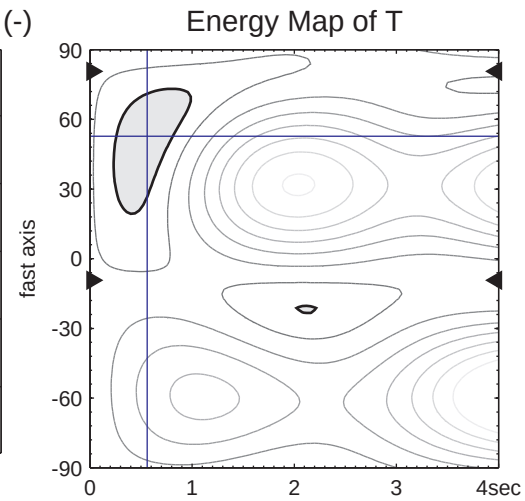


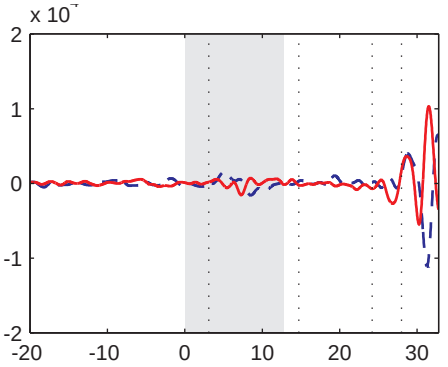








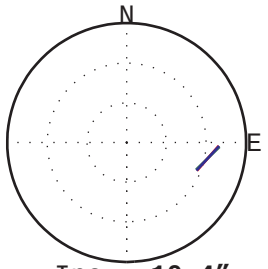




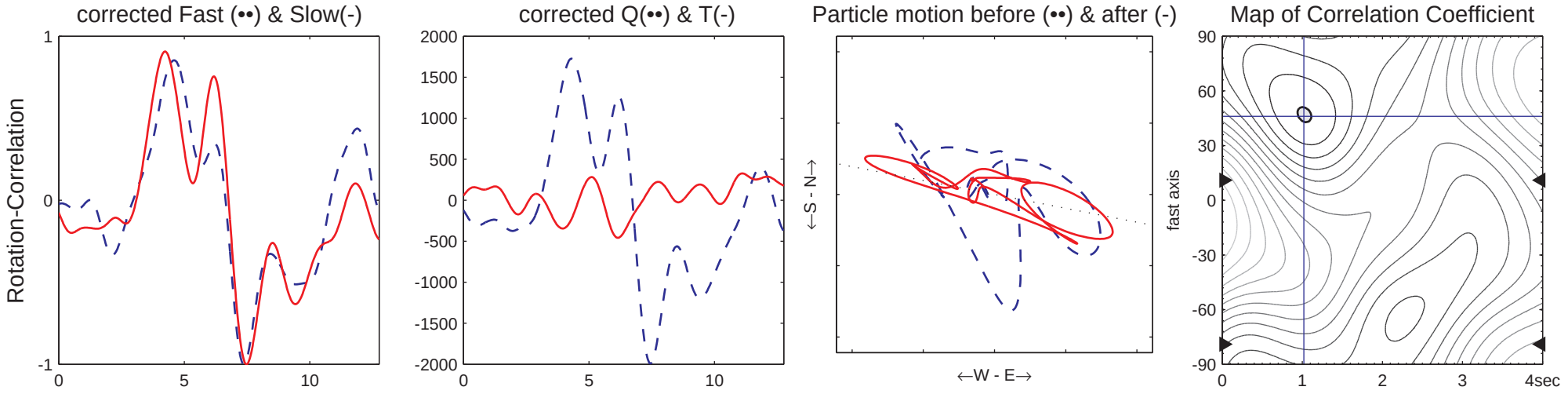
Event: **09-Sep-2006 (252) 04:13 -7.22N 120.10E 571km Mw=6.3**
Station: **URFA** Backazimuth: **101.0”** Distance: **87.53”**
init.Pol.: **285.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.8**

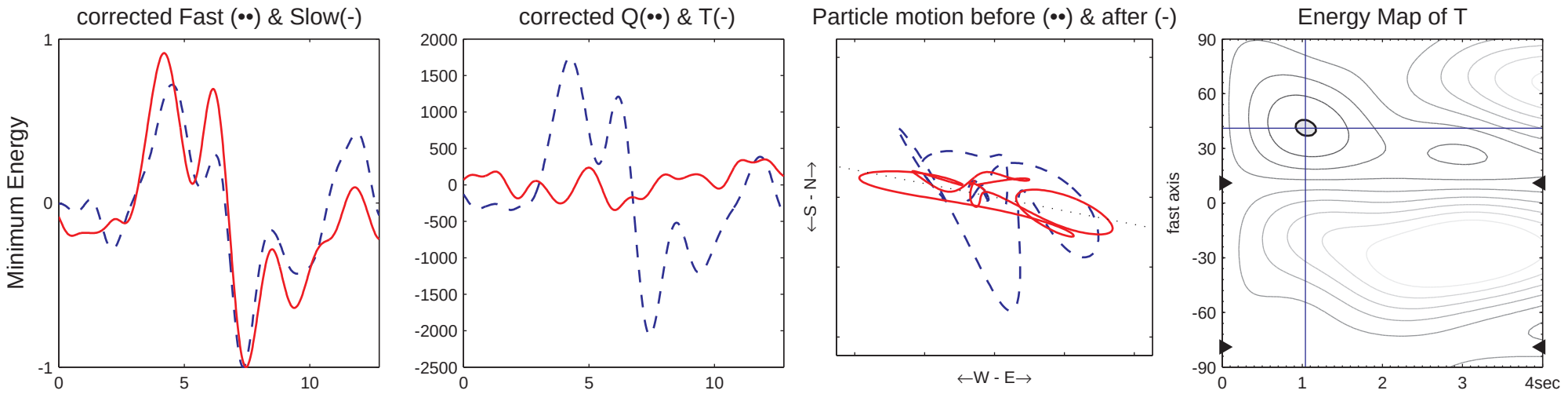
Rotation Correlation:	43<	46° <	51	1.0<1.0s<1.1
Minimum Energy:	37<	41° <	46	0.9<1.0s<1.2
Eigenvalue:	39<	43° <	50	0.9<1.0s<1.2

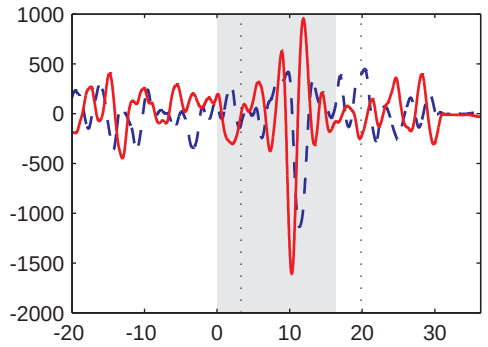
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **10.4”**



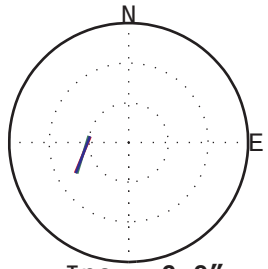


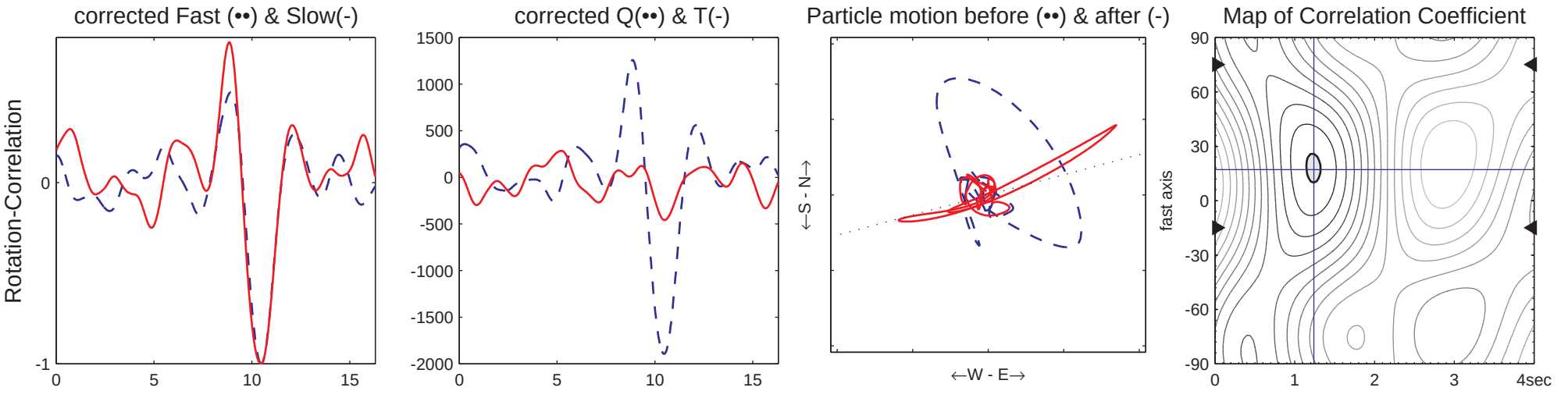


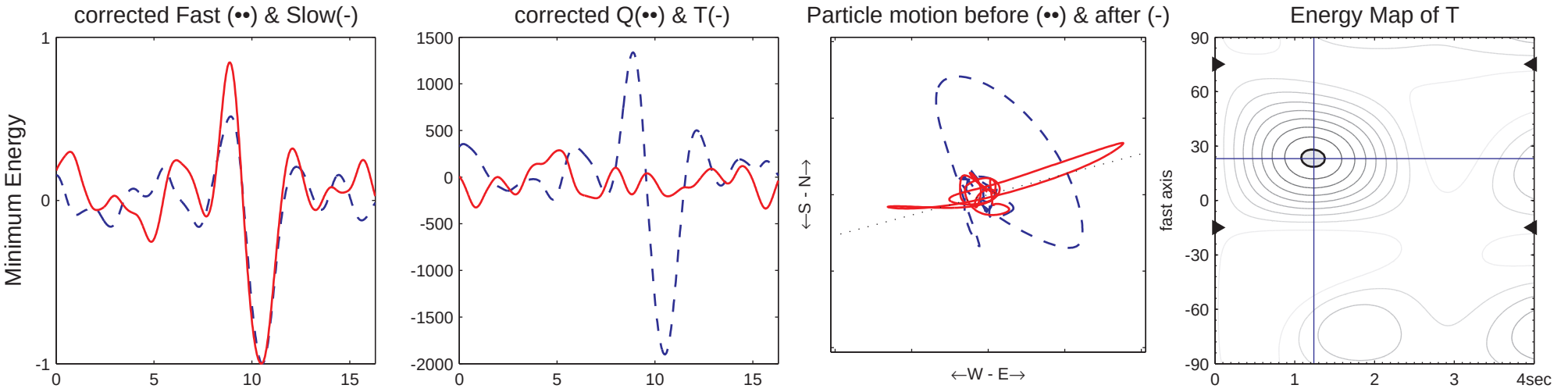
Event: **12-Sep-2006 (255) 13:30 -28.79N -68.64E 123km Mw=6.0**
Station: **URFA** Backazimuth: **255.1”** Distance: **120.10”**
init.Pol.: **71.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.6**

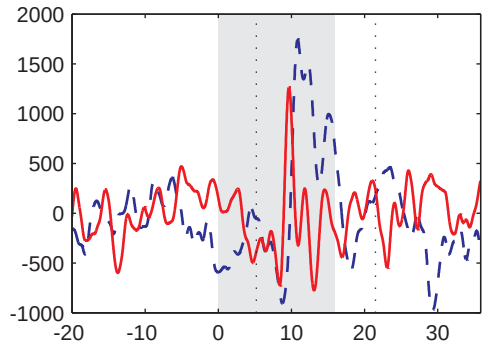
Rotation Correlation:	10<	17° <	26	1.2<1.2s<1.3
Minimum Energy:	19<	23° <	27	1.1<1.2s<1.4
Eigenvalue:	9<	21° <	33	1.1<1.2s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





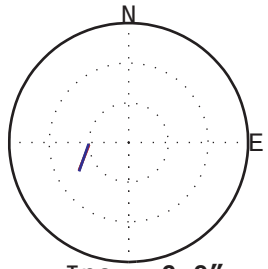




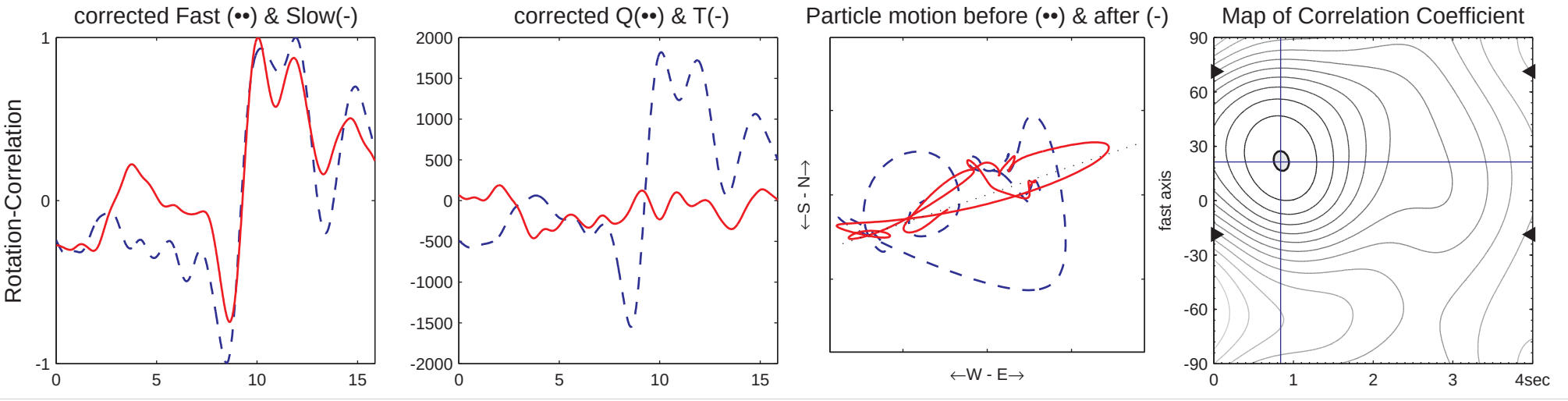
Event: **17-Sep-2006 (260) 09:34 -31.73N -67.00E 141km** Mw=**6.2**
Station: **URFA** Backazimuth: **251.3”** Distance: **120.25”**
init.Pol.: **68.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.4**

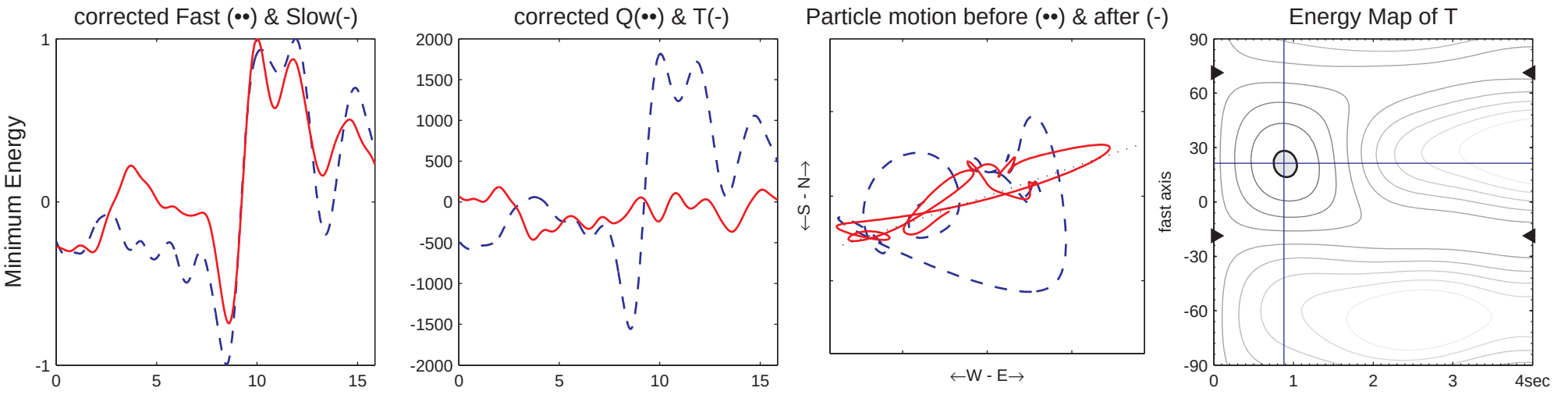
Rotation Correlation:	17<	21° <	28	0.8<0.8s<1.0
Minimum Energy:	13<	21° <	27	0.8<0.9s<1.0
Eigenvalue:	11<	19° <	25	0.8<0.9s<1.0

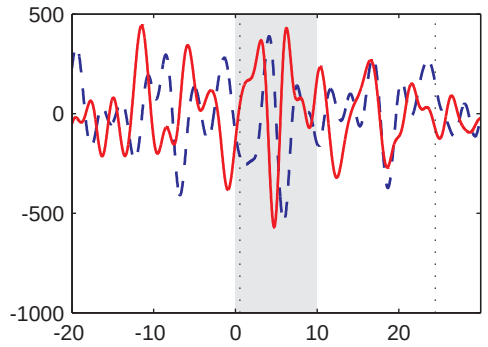
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.0”**



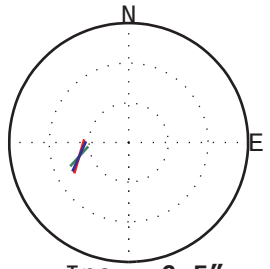


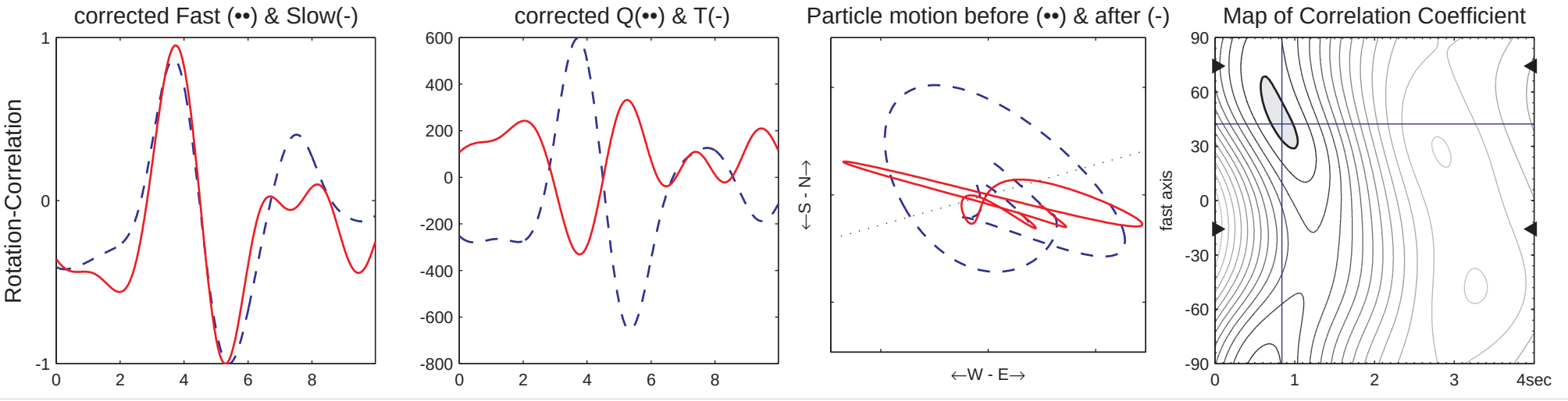


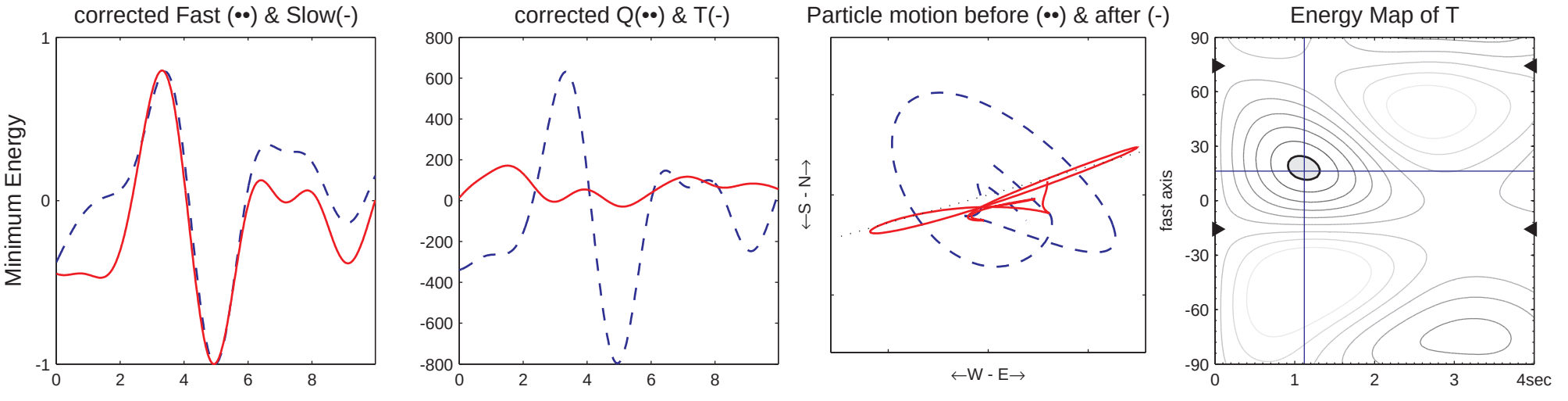
Event: **22-Sep-2006 (265) 02:32 -26.78N -63.08E 598km** Mw=**6.0**
Station: **URFA** Backazimuth: **254.3”** Distance: **114.84”**
init.Pol.: **83.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

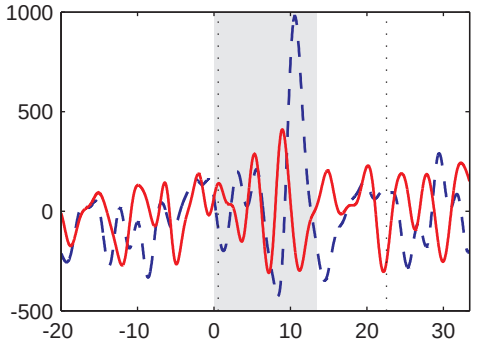
Rotation Correlation:	29<	42° <	69	0.6<0.8s<1.0
Minimum Energy:	11<	16° <	25	0.9<1.1s<1.3
Eigenvalue:	11<	24° <	39	0.8<1.0s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





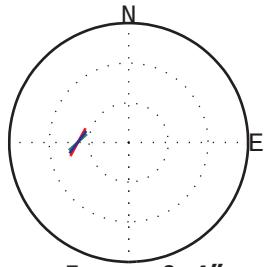




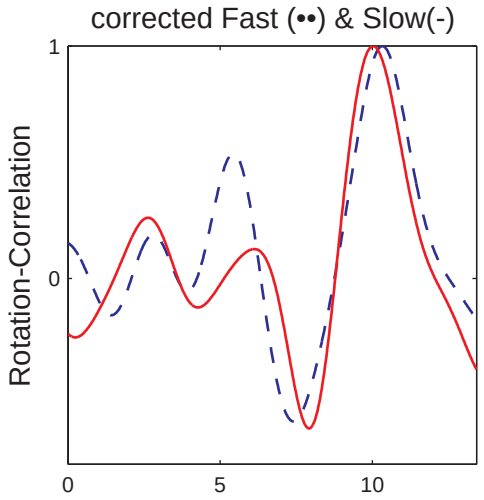
Event: **30-Sep-2006 (273) 16:26 -15.52N -73.05E 106km** Mw=**5.6**
Station: **URFA** Backazimuth: **270.4”** Distance: **116.59”**
init.Pol.: **96.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.0**

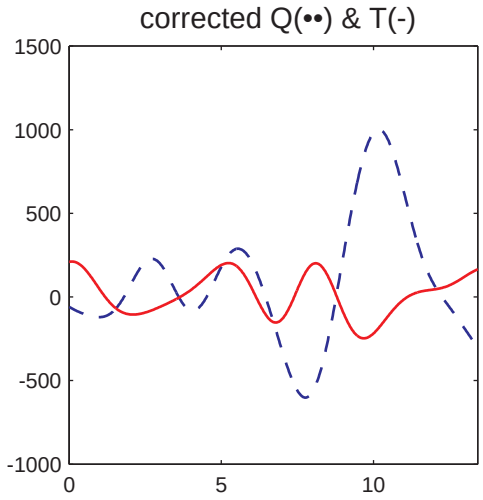
Rotation Correlation:	30<	48° <	68	0.5<0.8s<1.1
Minimum Energy:	15<	28° <	48	0.6<1.0s<1.5
Eigenvalue:	15<	36° <	80	0.4<0.9s<1.4

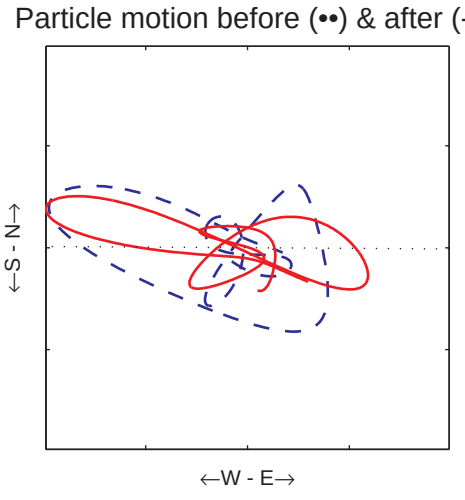
Quality: **fair** IsNull: **No** Phase: **SKS**

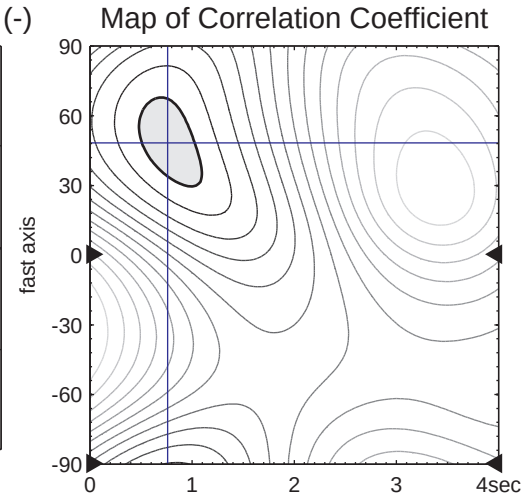


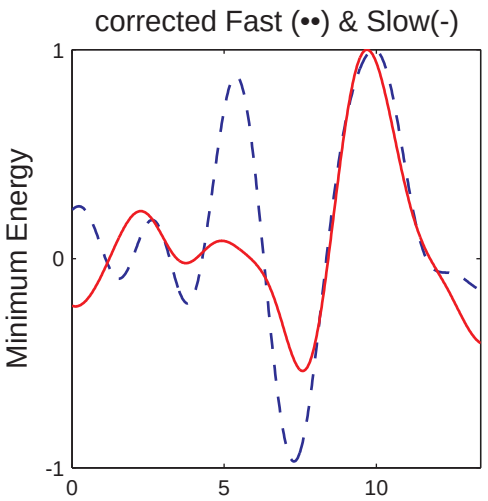
Inc = **6.4”**

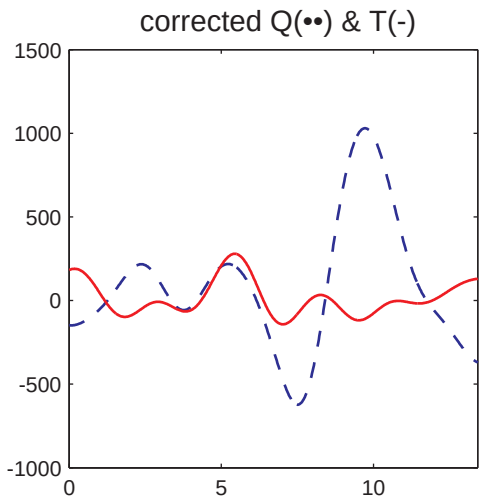


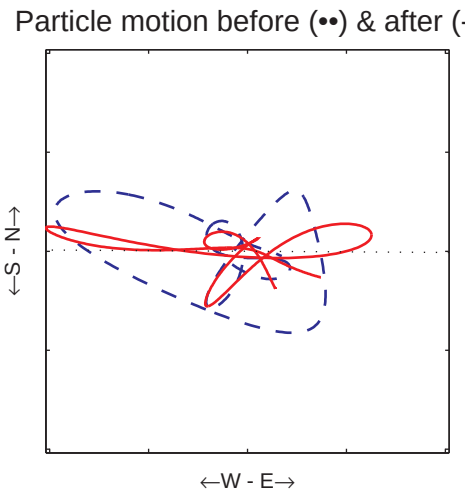


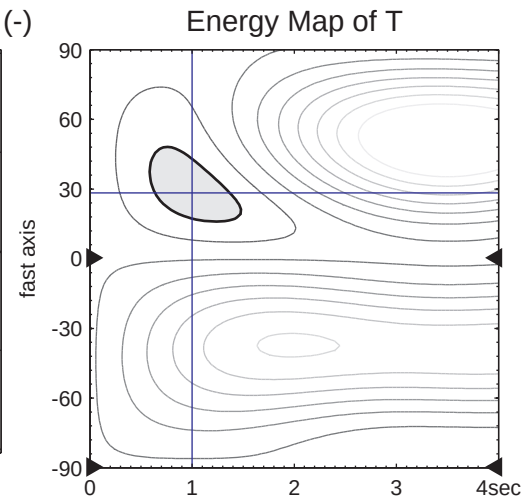


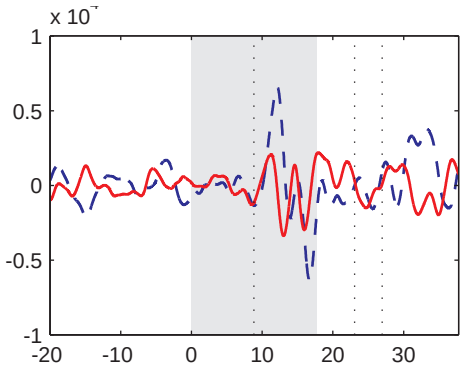








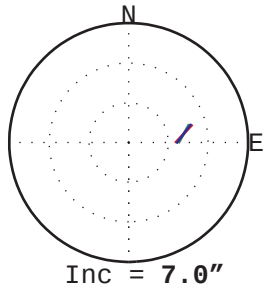


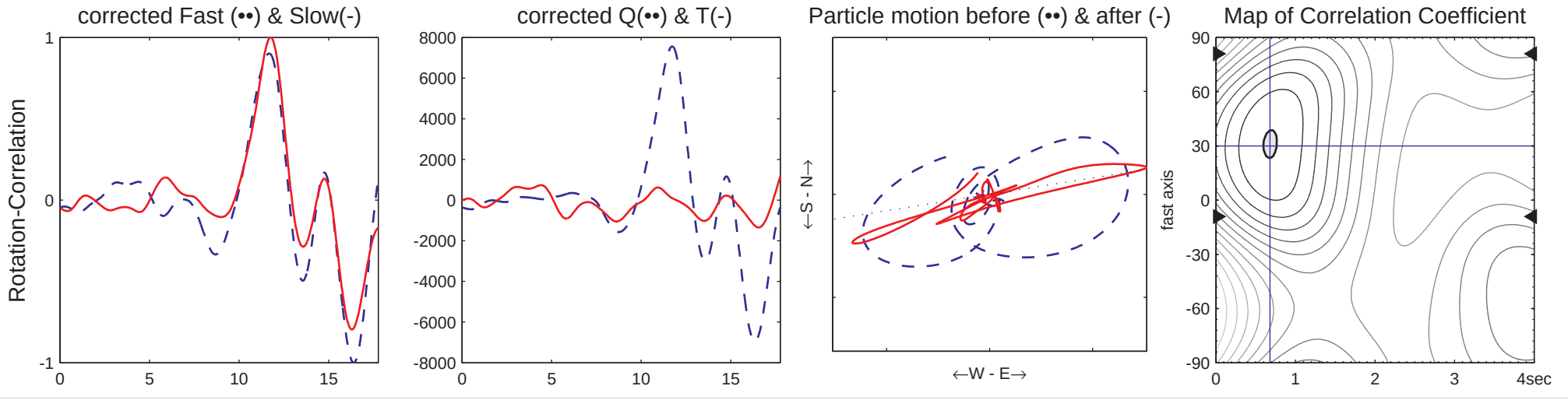


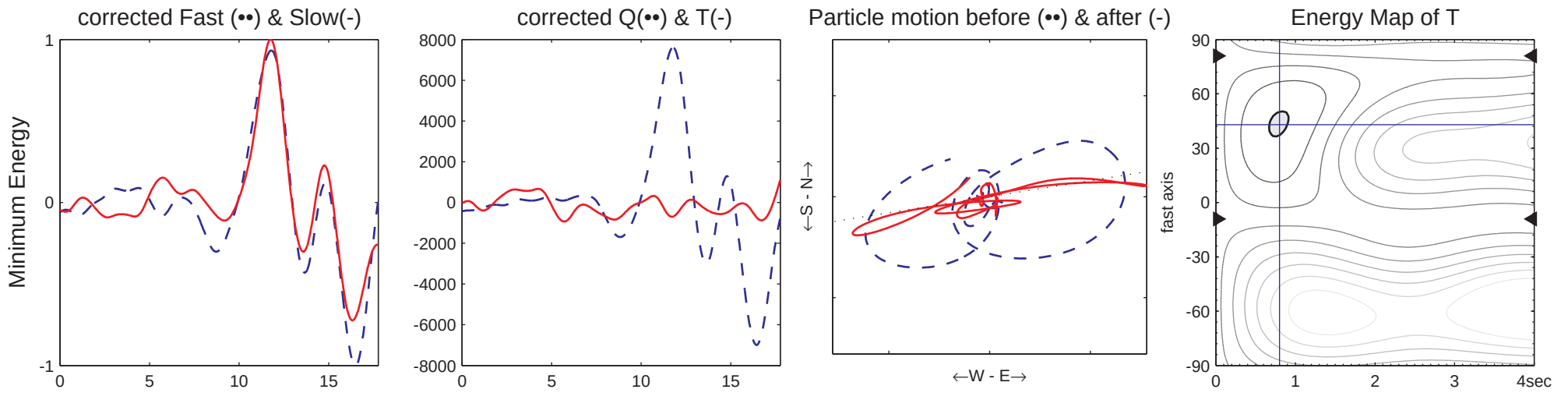
Event: **17-Oct-2006 (290) 01:25 -5.88N 150.98E 32km Mw=6.9**
Station: **URFA** Backazimuth: **80.9”** Distance: **111.11”**
init.Pol.: **257.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.6**

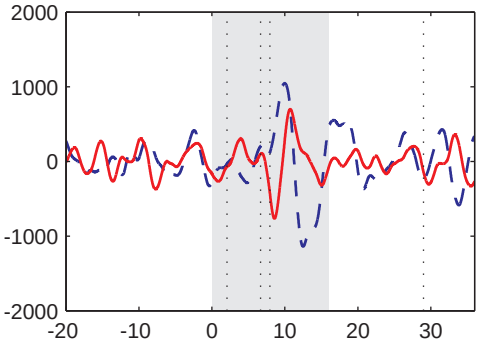
Rotation Correlation:	24<	30° <	39	0.6<0.7s<0.8
Minimum Energy:	37<	43° <	50	0.7<0.8s<0.9
Eigenvalue:	27<	37° <	48	0.6<0.8s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





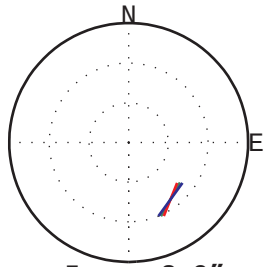


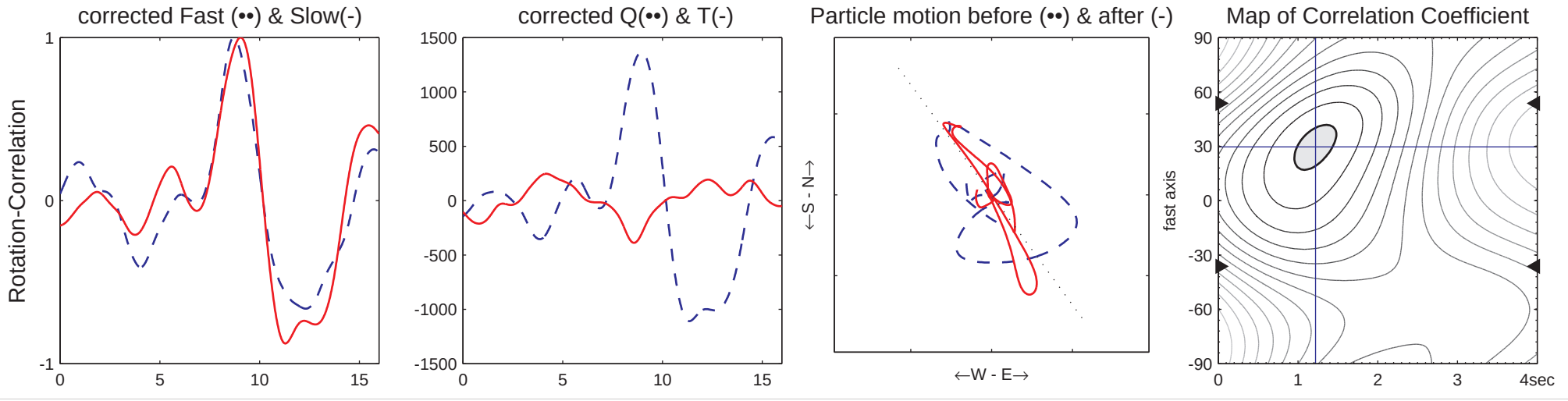


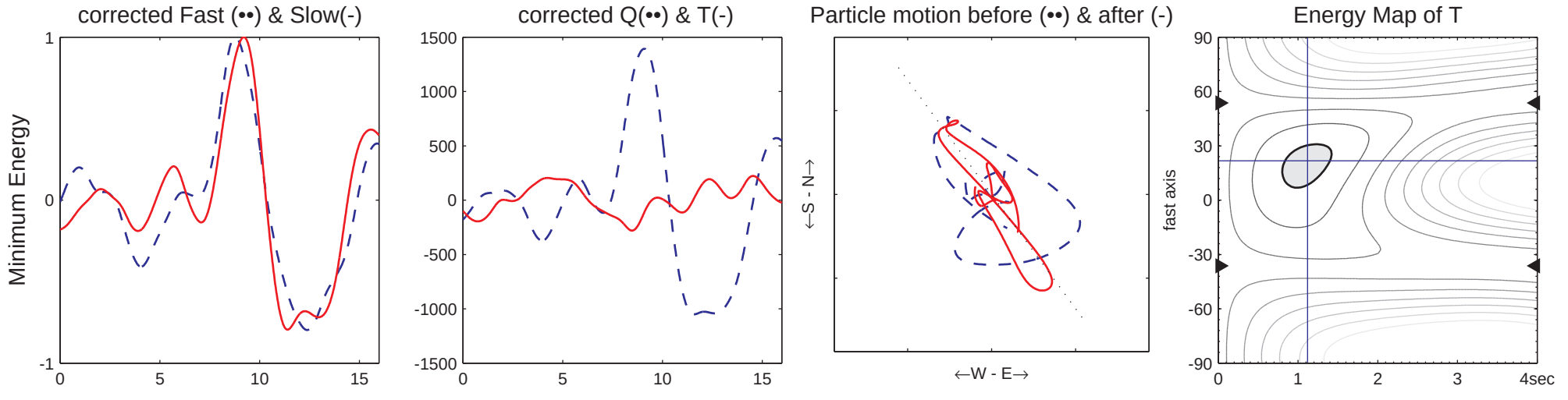
Event: **22-Oct-2006 (295) 08:55 -45.73N 95.99E 10km Mw=6.0**
Station: **URFA** Backazimuth: **143.7”** Distance: **97.75”**
init.Pol.: **336.5”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.1**

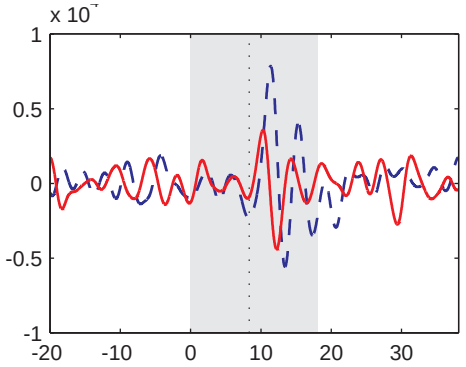
Rotation Correlation:	17<	30° <	42	1.0<1.2s<1.5
Minimum Energy:	7<	22° <	31	0.8<1.1s<1.4
Eigenvalue:	21<	36° <	46	1.0<1.3s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





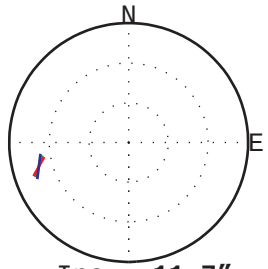




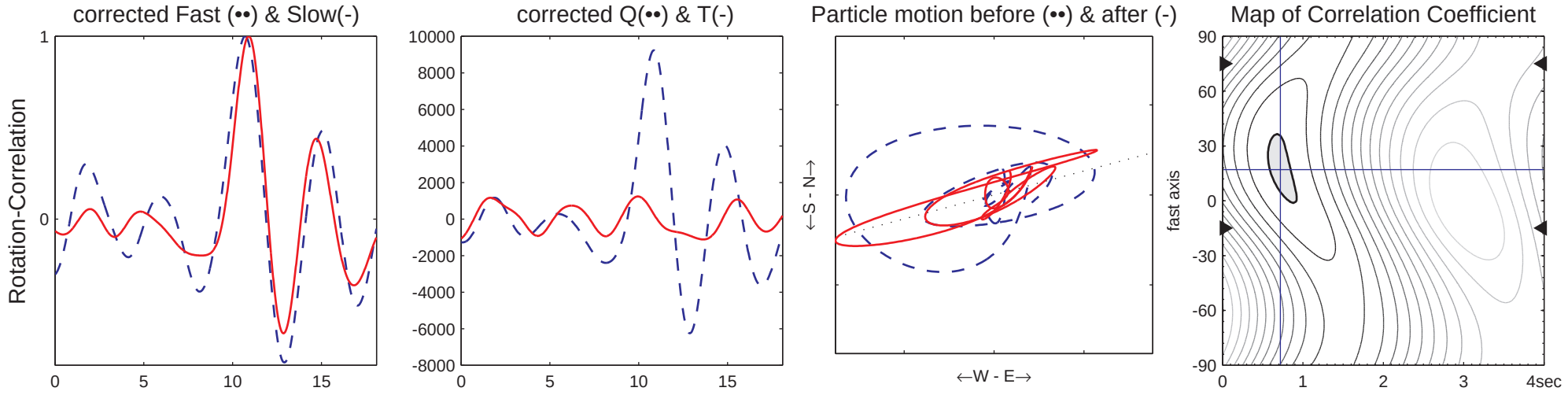
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km Mw=6.8**
Station: **URFA** Backazimuth: **255.1”** Distance: **114.56”**
init.Pol.: **63.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.0**

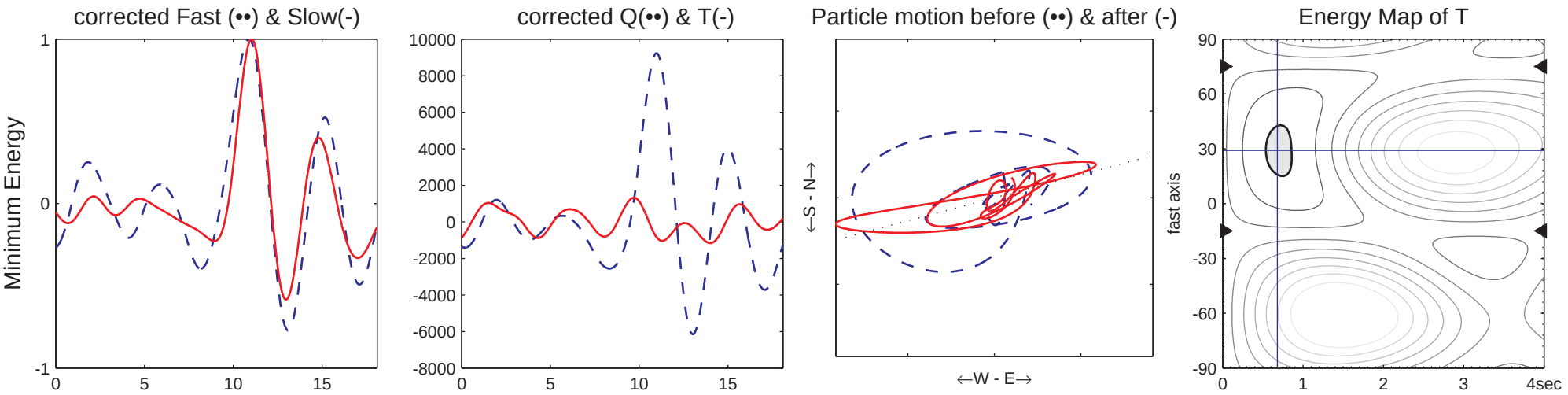
Rotation Correlation:	-2<	17° <	37	0.6<0.7s<0.9
Minimum Energy:	15<	29° <	43	0.5<0.7s<0.8
Eigenvalue:	-15<	7° <	41	0.6<0.8s<1.1

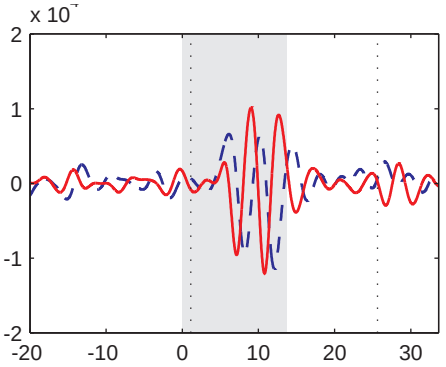
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.7”**



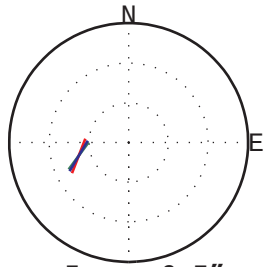




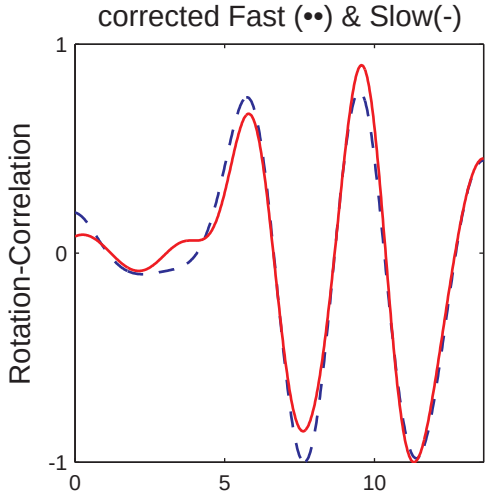
Event: **13-Nov-2006 (317) 01:26 -26.04N -63.22E 551km** Mw=**6.8**
Station: **URFA** Backazimuth: **255.1”** Distance: **114.56”**
init.Pol.: **87.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.3**

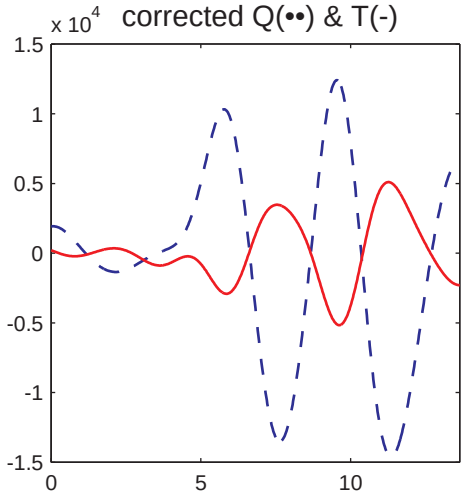
Rotation Correlation:	27<	36° <	47	0.9<1.1s<1.2
Minimum Energy:	19<	21° <	23	1.1<1.2s<1.2
Eigenvalue:	25<	31° <	37	1.0<1.1s<1.2

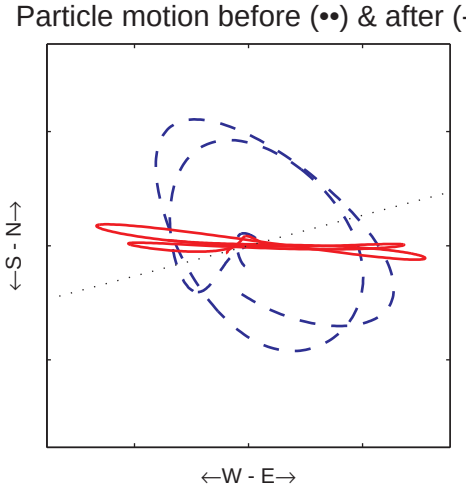
Quality: **fair** IsNull: **No** Phase: **SKS**

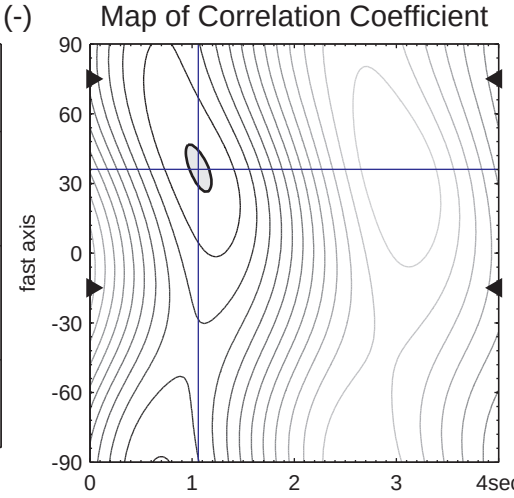


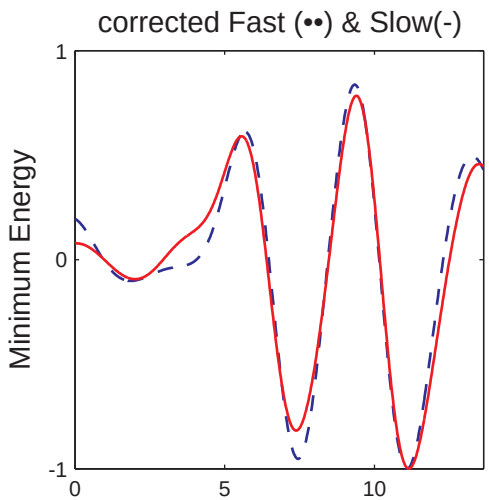
Inc = **6.5”**

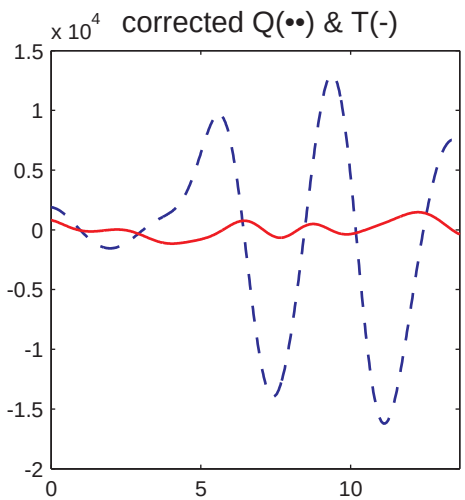


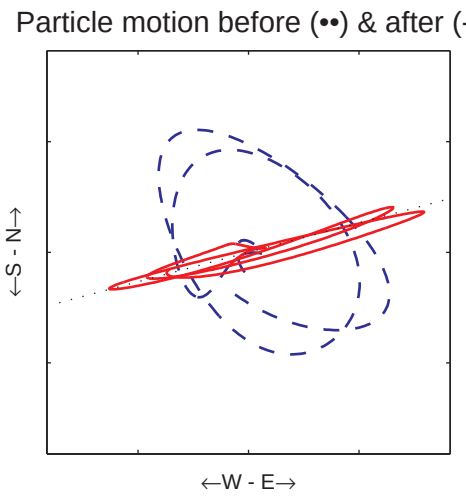


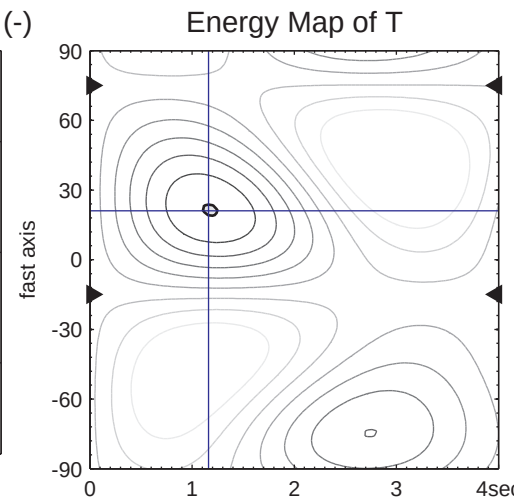


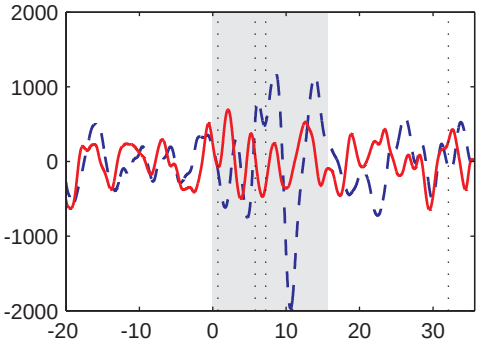








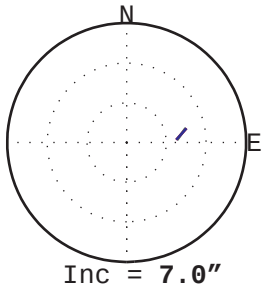


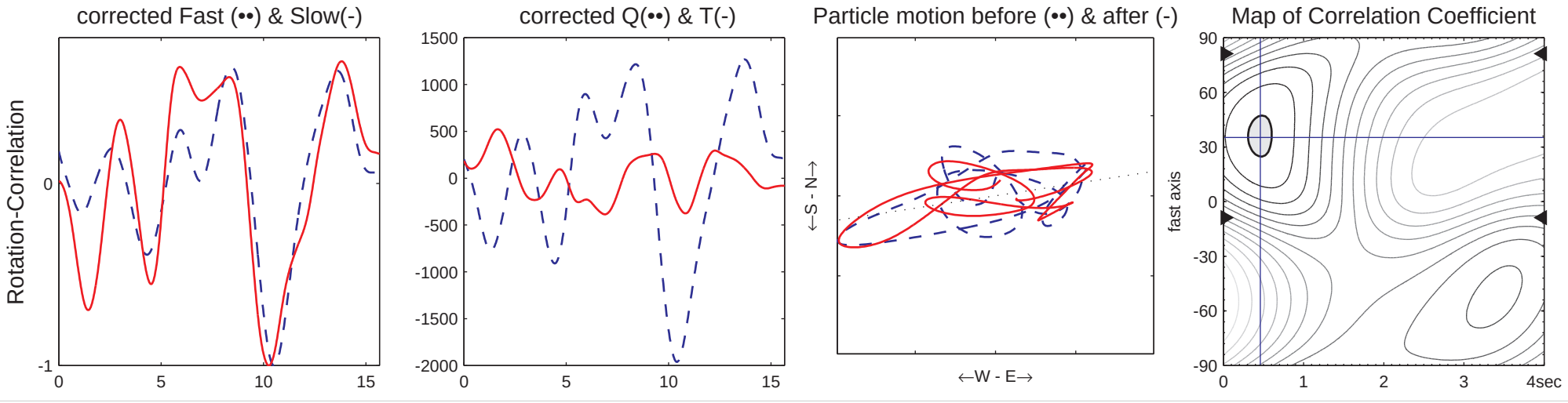


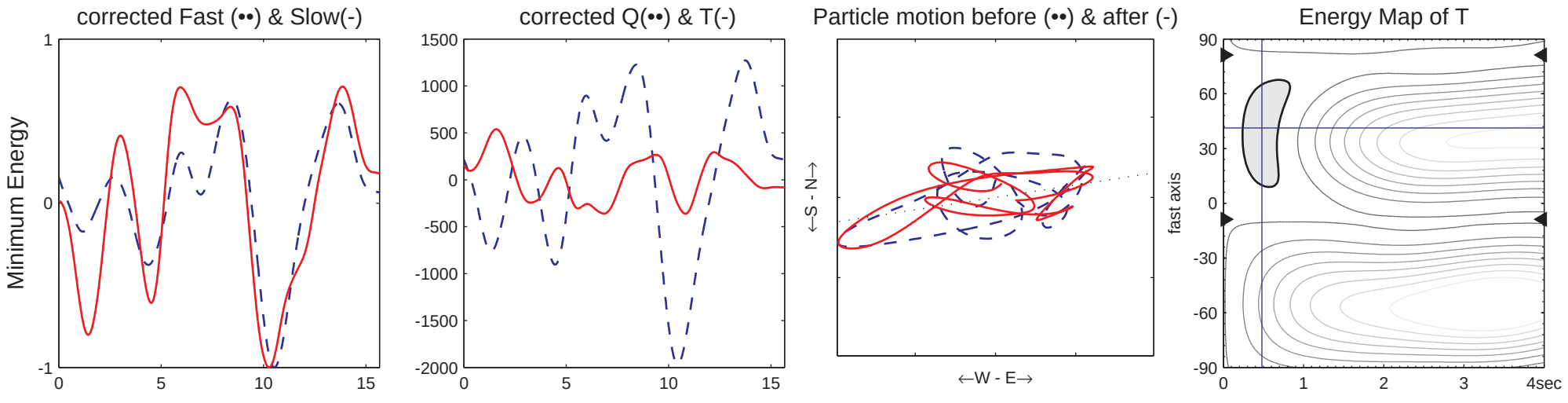
Event: **13-Nov-2006 (317) 16:12 -6.38N 151.23E 11km Mw=6.2**
Station: **URFA** Backazimuth: **81.2”** Distance: **111.61”**
init.Pol.: **261.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.3**

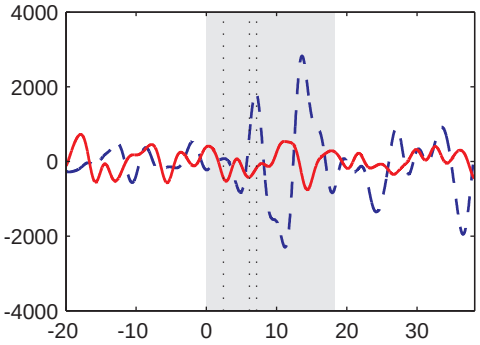
Rotation Correlation:	25<	35° <	48	0.3<0.5s<0.6
Minimum Energy:	9<	41° <	68	0.2<0.5s<0.8
Eigenvalue:	1<	41° <	76	0.2<0.5s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





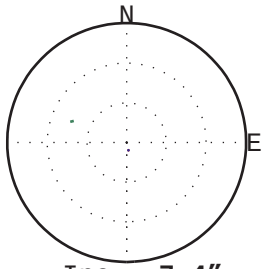


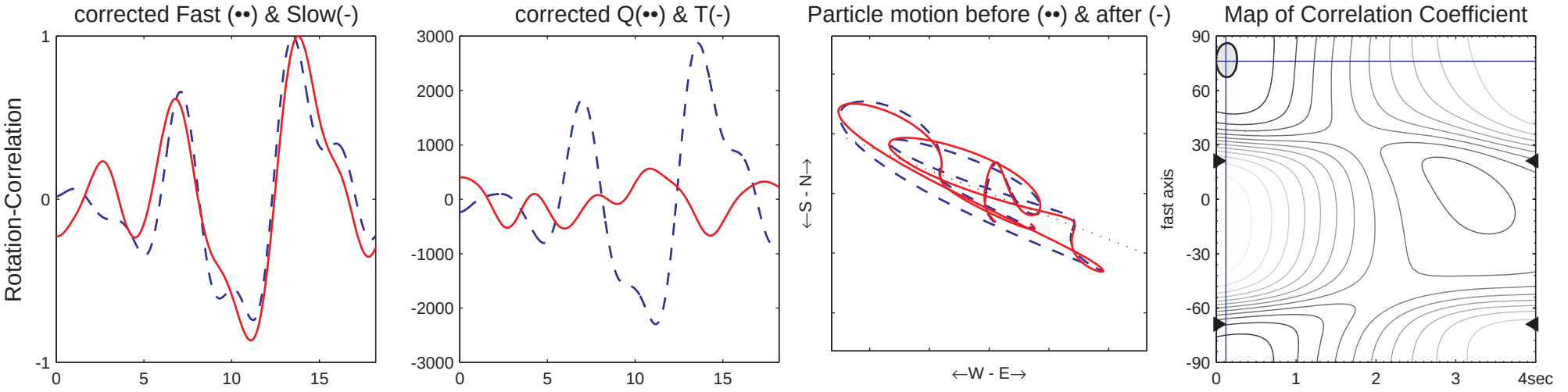


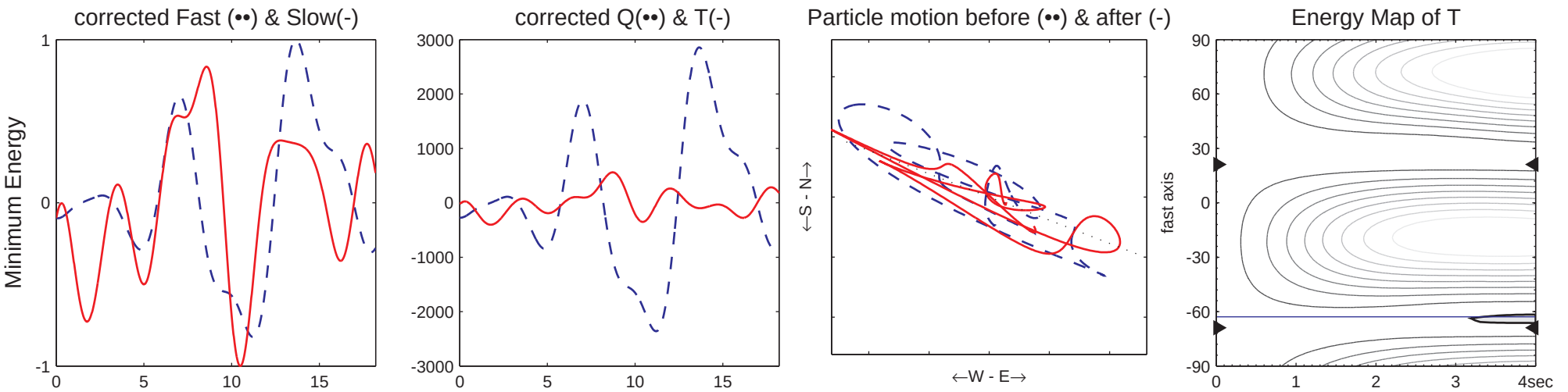
Event: **18-Mar-2007 (077) 02:11 4.58N -78.52E 8km Mw=6.4**
Station: **URFA** Backazimuth: **291.1”** Distance: **108.36”**
init.Pol.: **112.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.5**

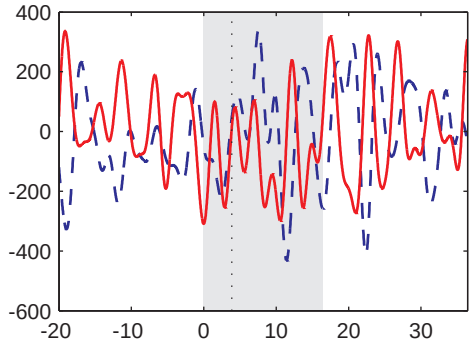
Rotation Correlation:	67<	76° <	86	0.0<0.1s<0.3
Minimum Energy:	-68<	-63° <	-64	3.2<4.0s<4.0
Eigenvalue:	-70<	-63° <	-60	3.0<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





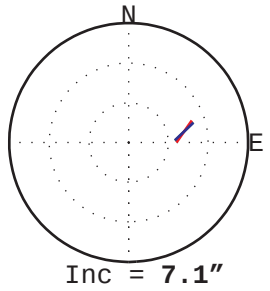


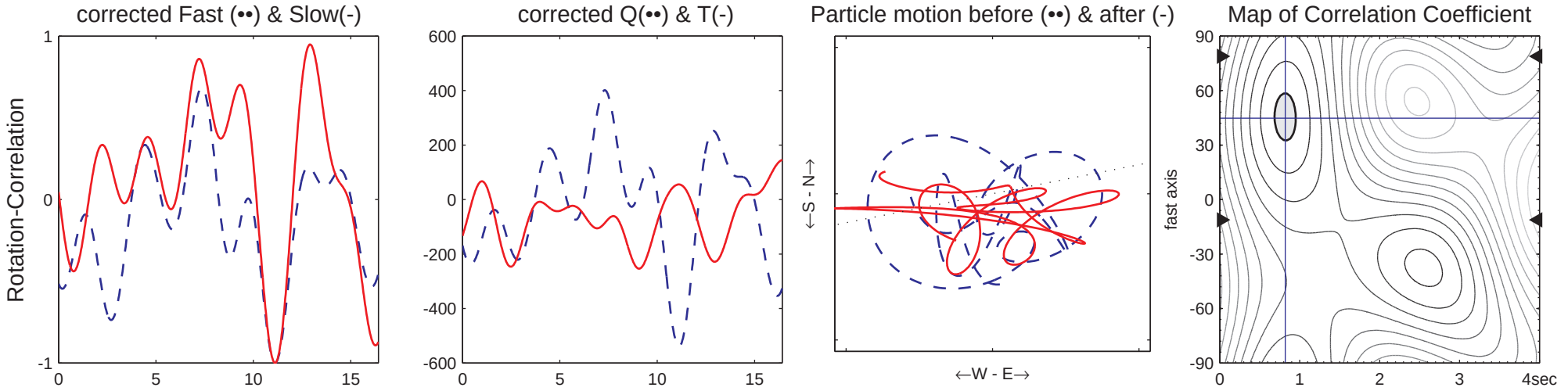


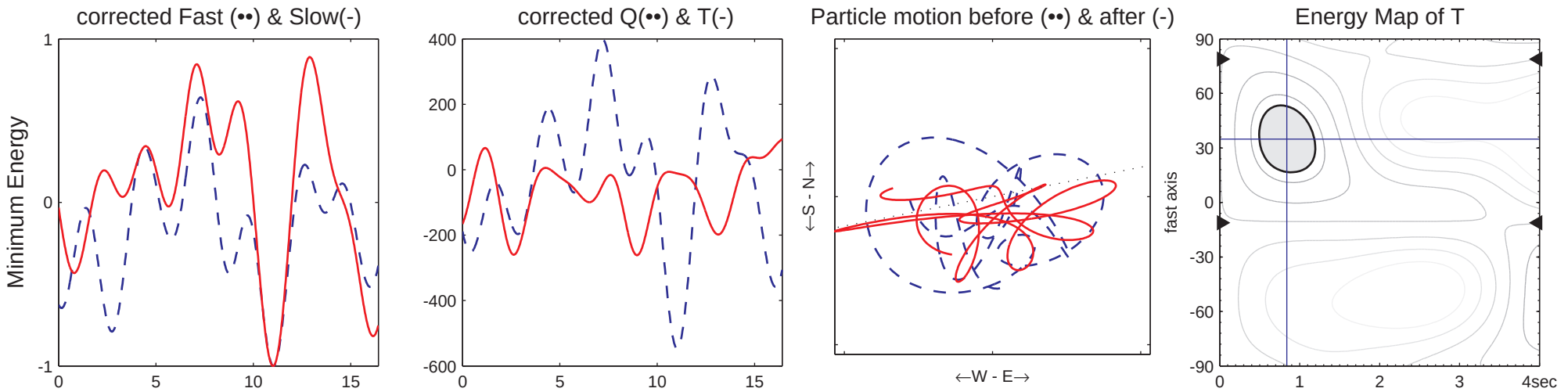
Event: **21-Apr-2007 (111) 07:12 -3.55N 151.27E 407km Mw=6.1**
Station: **URFA** Backazimuth: **78.8”** Distance: **109.89”**
init.Pol.: **273.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.0**

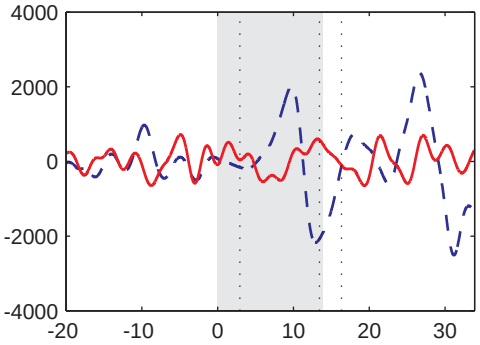
Rotation Correlation:	33<	45° <	59	0.7<0.8s<1.0
Minimum Energy:	17<	35° <	54	0.5<0.8s<1.2
Eigenvalue:	23<	47° <	70	0.5<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





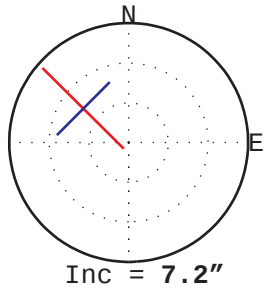


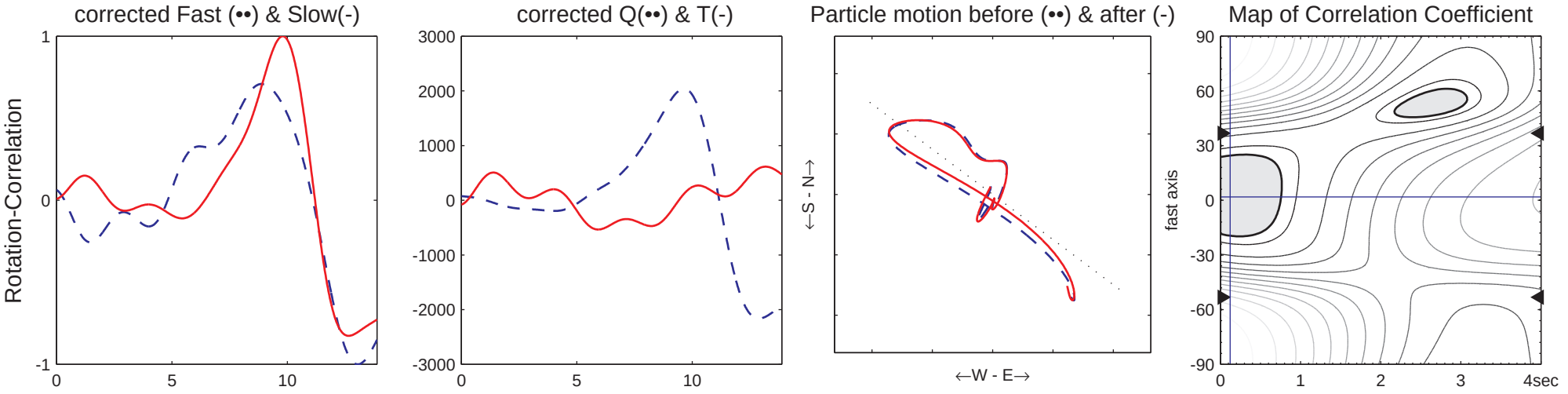


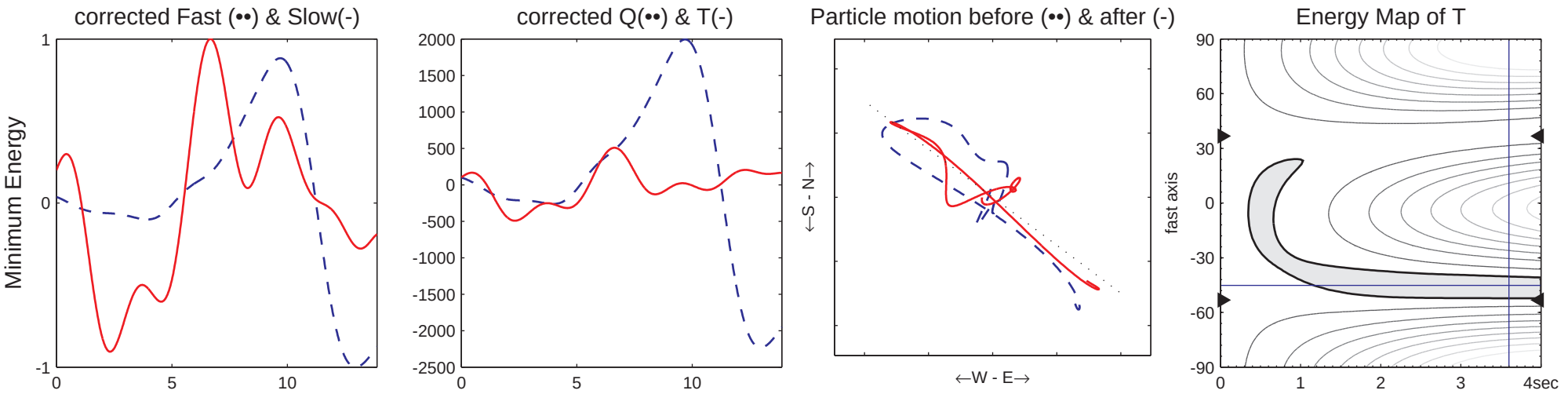
Event: **13-Jun-2007 (164) 19:29 13.55N -90.62E 23km Mw=6.7**
Station: **URFA** Backazimuth: **306.8”** Distance: **110.36”**
init.Pol.: **146.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.5**

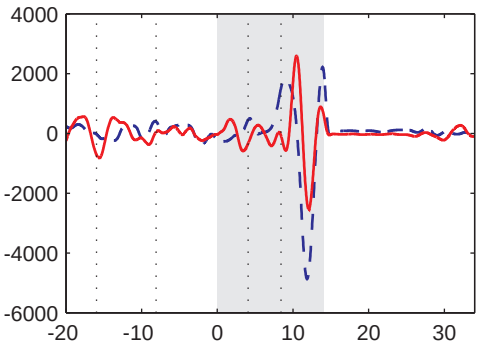
Rotation Correlation:	-20<	2° <	25	0.0<0.1s<0.8
Minimum Energy:	-54<	-45° <	21	0.4<3.6s<4.0
Eigenvalue:	27<	45° <	58	0.8<2.4s<3.6

Quality: **good** IsNull: **Yes** Phase: **SKS**





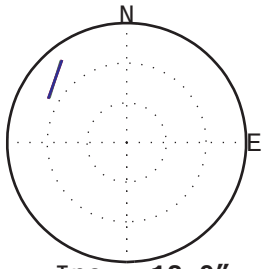




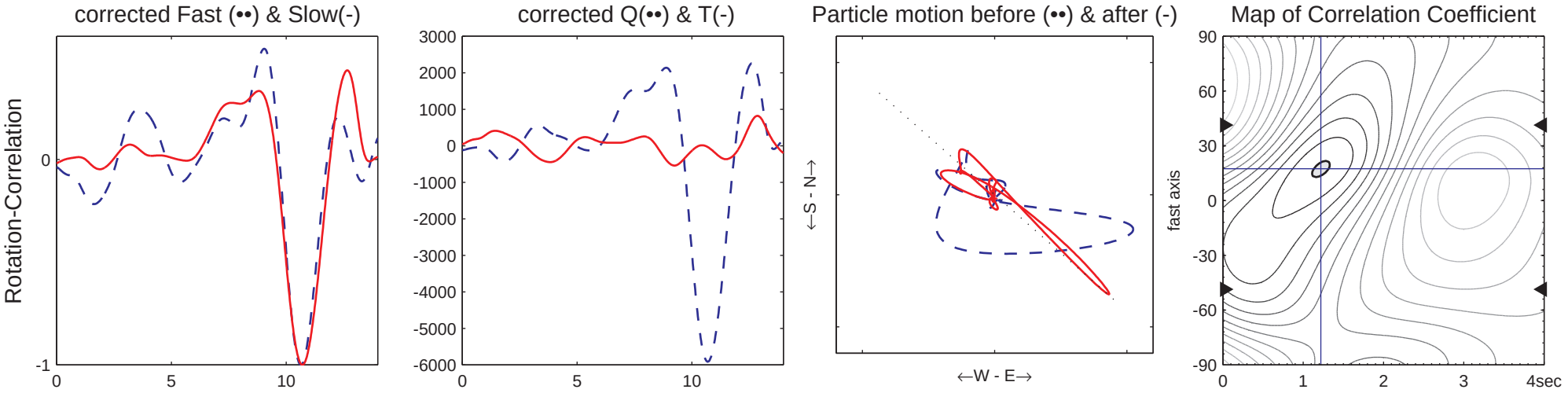
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **URFA** Backazimuth: **311.4”** Distance: **110.28”**
init.Pol.: **131.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**10.2**

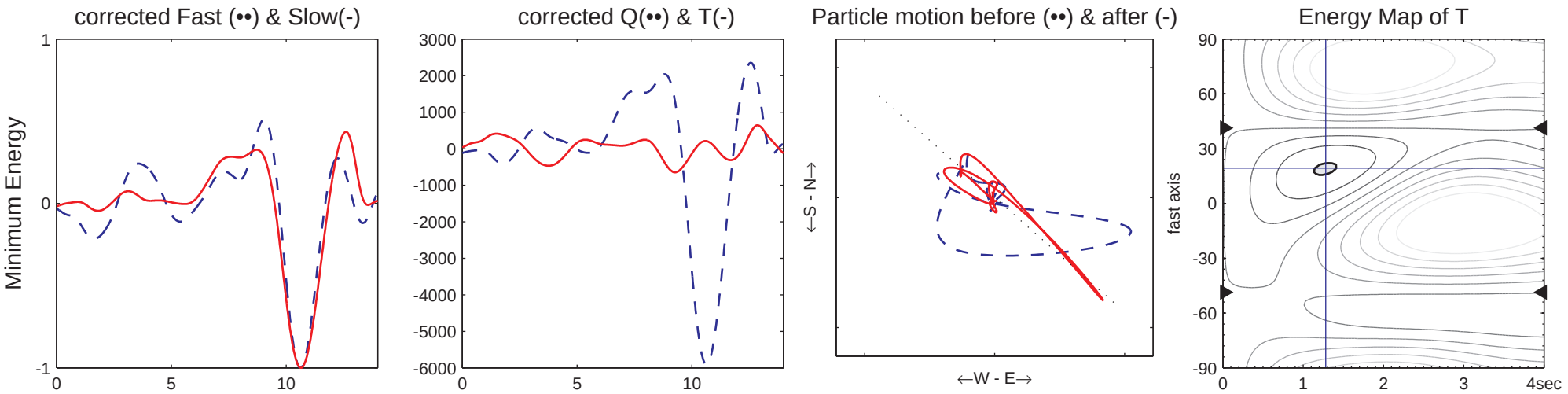
Rotation Correlation:	13<	17° <	22	1.1<1.2s<1.3
Minimum Energy:	15<	19° <	21	1.1<1.3s<1.4
Eigenvalue:	13<	19° <	25	1.1<1.3s<1.4

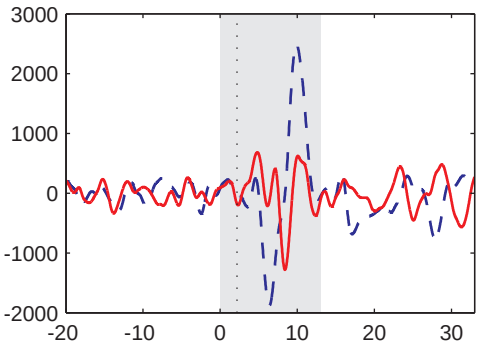
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.0”**



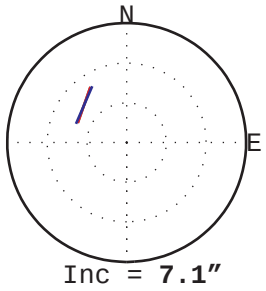


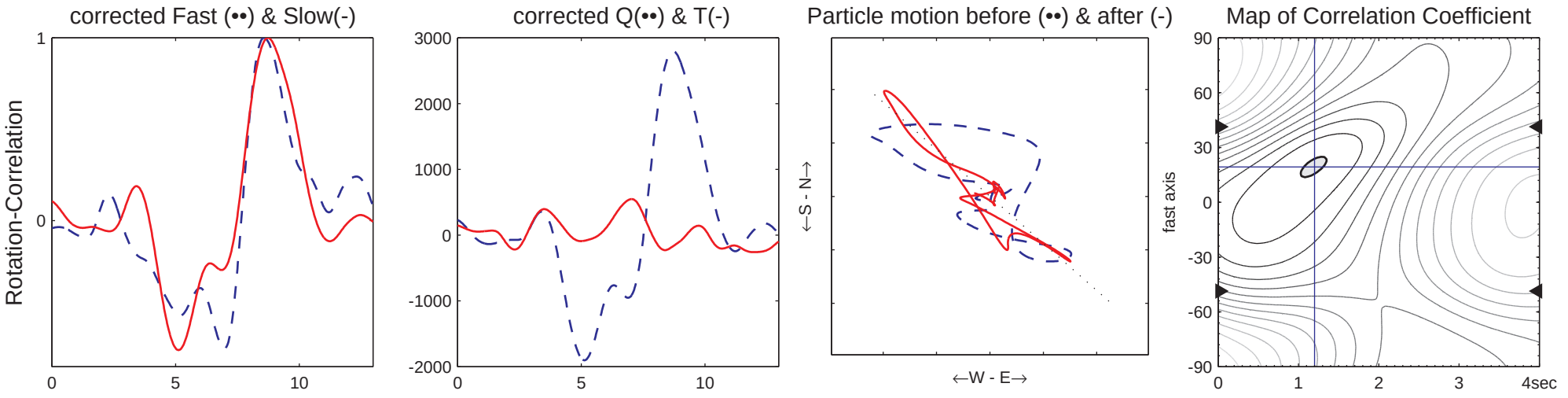


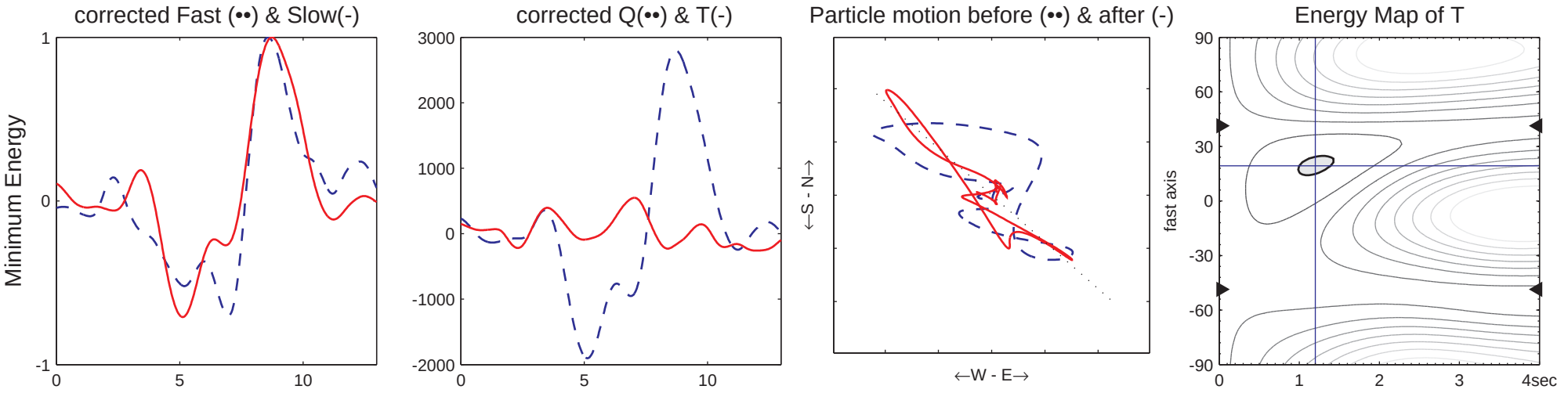
Event: **06-Jul-2007 (187) 01:09 16.35N -93.99E 113km Mw=6.0**
Station: **URFA** Backazimuth: **311.4”** Distance: **110.28”**
init.Pol.: **136.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.6**

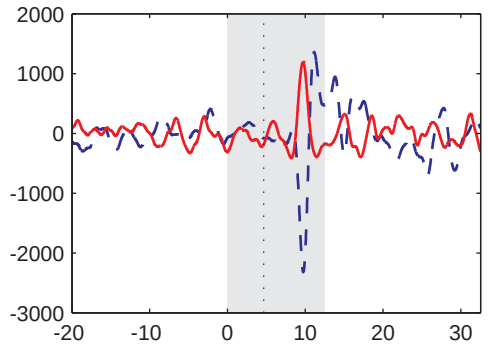
Rotation Correlation:	14<	19° <	25	1.0<1.2s<1.4
Minimum Energy:	15<	19° <	25	1.0<1.2s<1.4
Eigenvalue:	17<	23° <	31	1.1<1.3s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





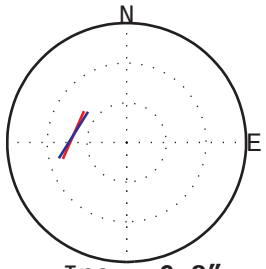


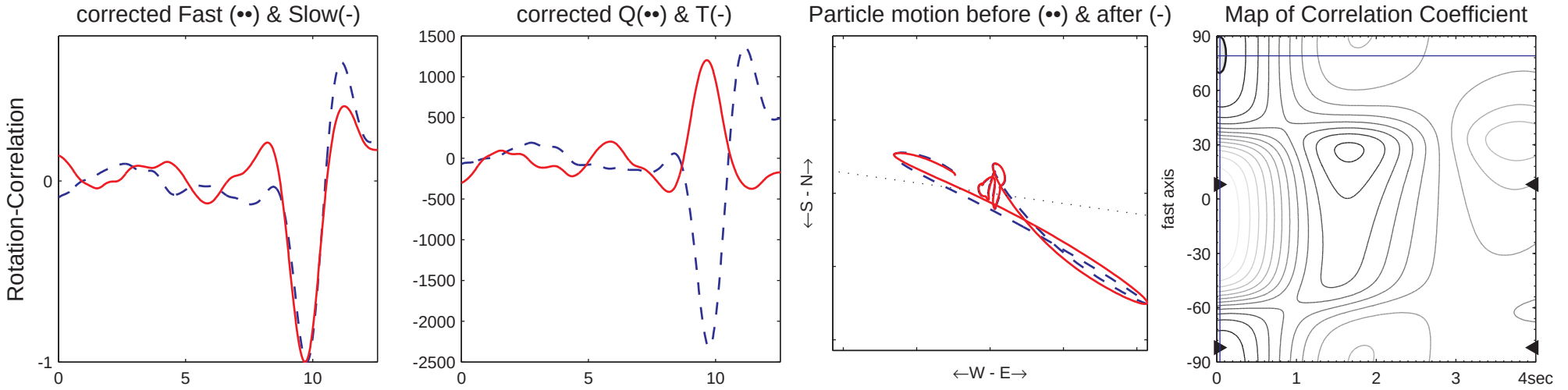


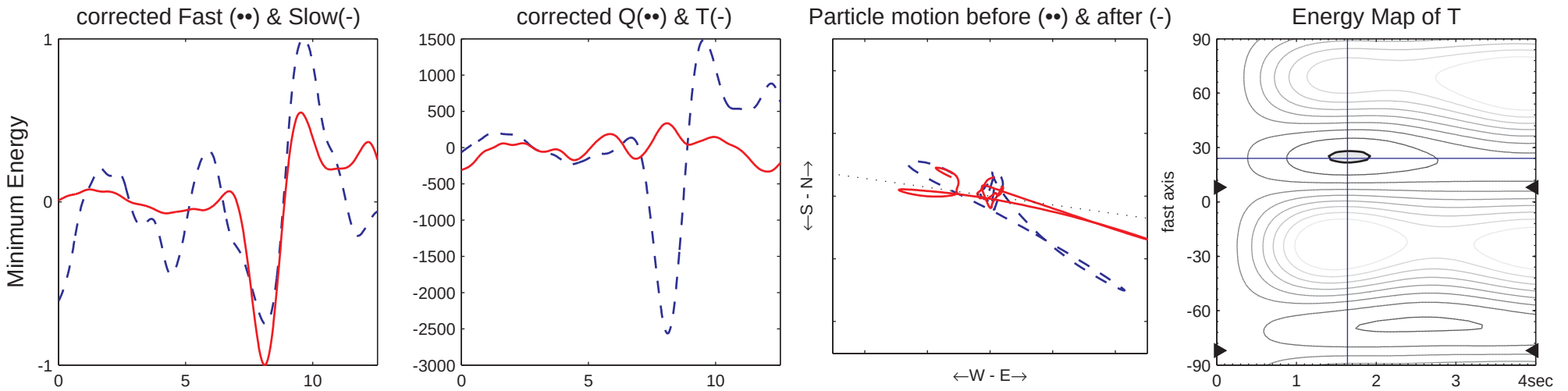
Event: **12-Jul-2007 (193) 05:23 -7.93N -74.41E 152km Mw=6.1**
Station: **URFA** Backazimuth: **278.0”** Distance: **113.21”**
init.Pol.: **113.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.3**

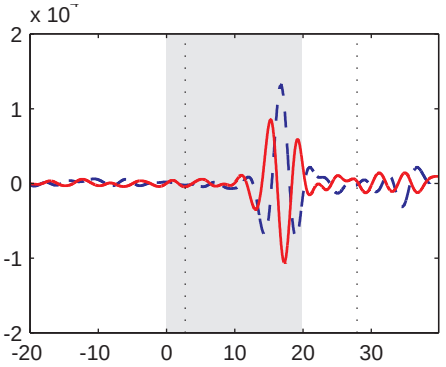
Rotation Correlation:	70<	79° < -91		0.0<0.0s<0.1
Minimum Energy:	21<	24° < 27		1.4<1.6s<1.9
Eigenvalue:	29<	32° < 35		1.4<1.7s<2.0

Quality: **fair** IsNull: **Yes** Phase: **SKS**





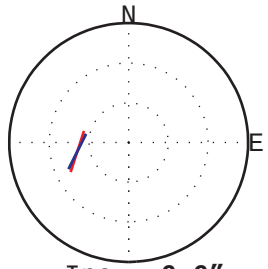


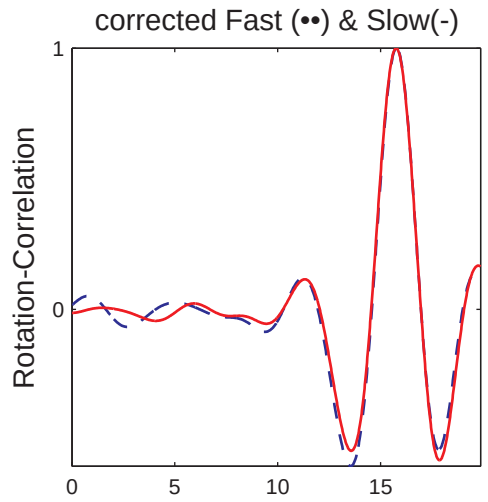


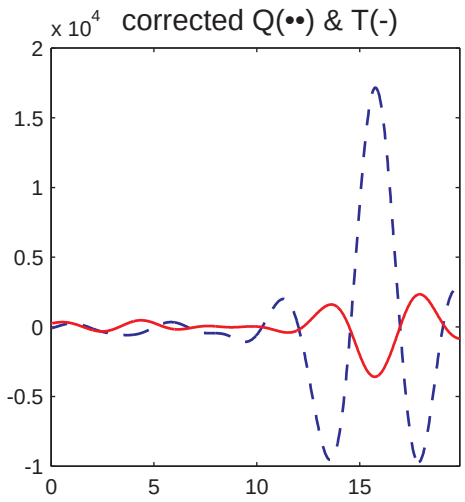
Event: **21-Jul-2007 (202) 15:34 -22.20N -65.83E 289km** Mw=**6.4**
Station: **URFA** Backazimuth: **260.0”** Distance: **114.56”**
init.Pol.: **90.7”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**20.7**

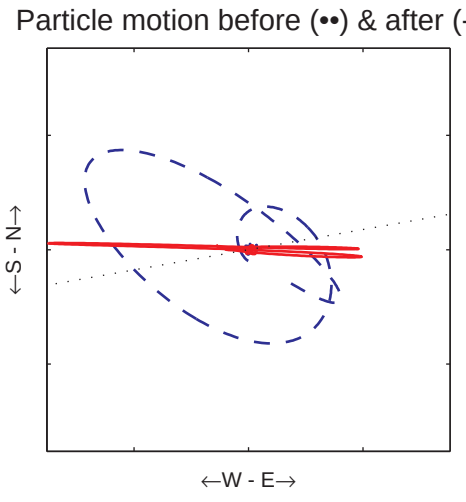
Rotation Correlation:	25<	27° <	32	1.1<1.2s<1.3
Minimum Energy:	17<	18° <	21	1.3<1.4s<1.4
Eigenvalue:	25<	26° <	29	1.2<1.2s<1.3

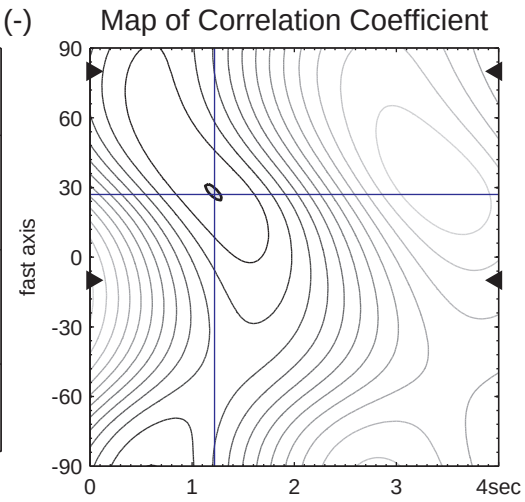
Quality: **fair** IsNull: **No** Phase: **SKS**

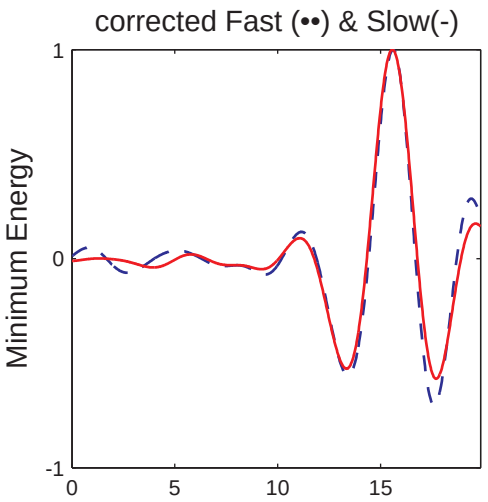


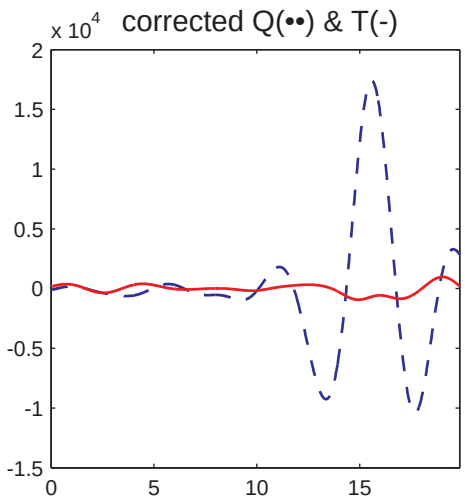


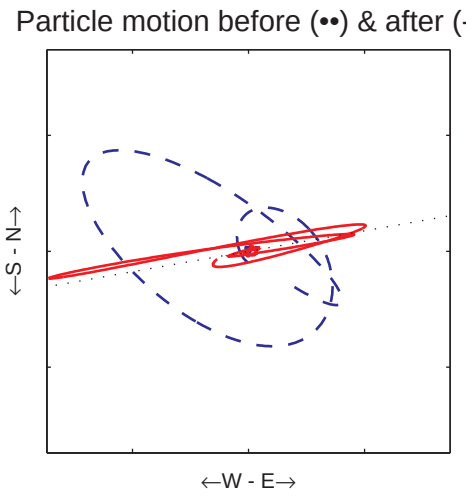


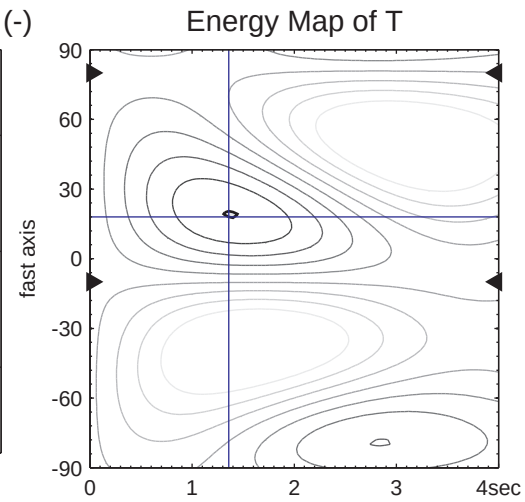


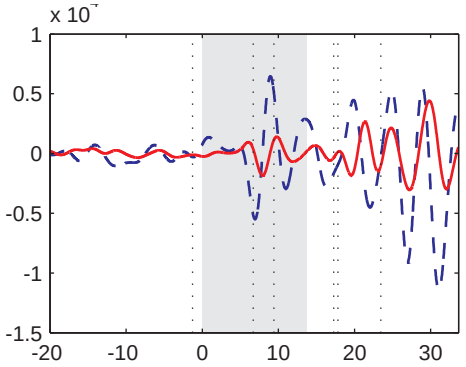








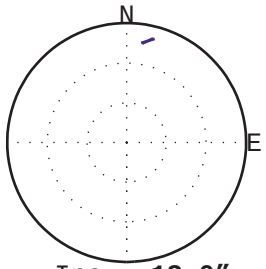




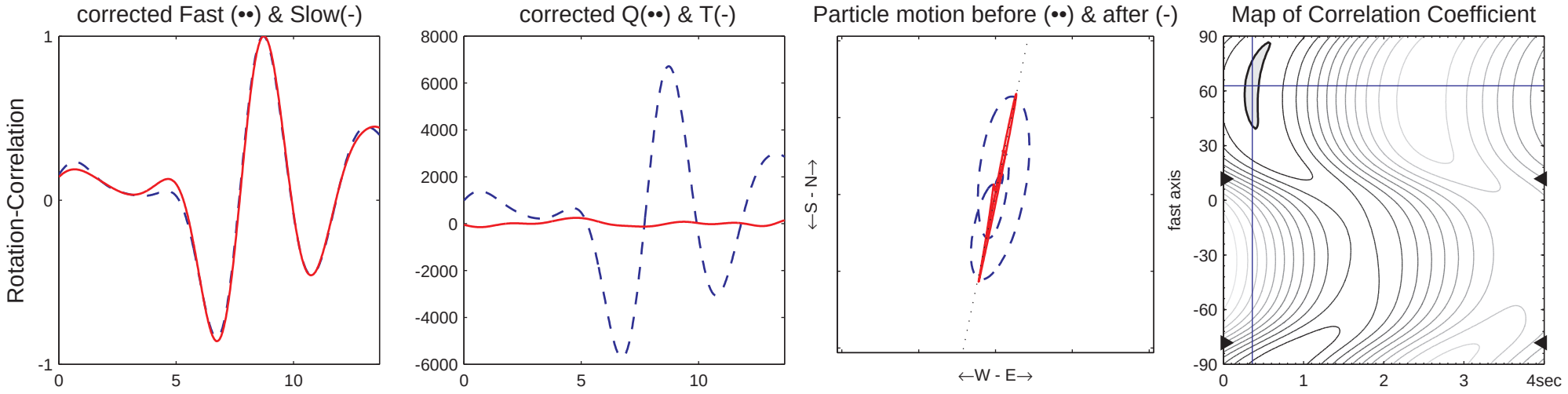
Event: **02-Oct-2007 (275) 18:00 54.58N -161.77E 47km Mw=6.3**
Station: **URFA** Backazimuth: **11.8”** Distance: **86.29”**
init.Pol.: **193.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**37.7**

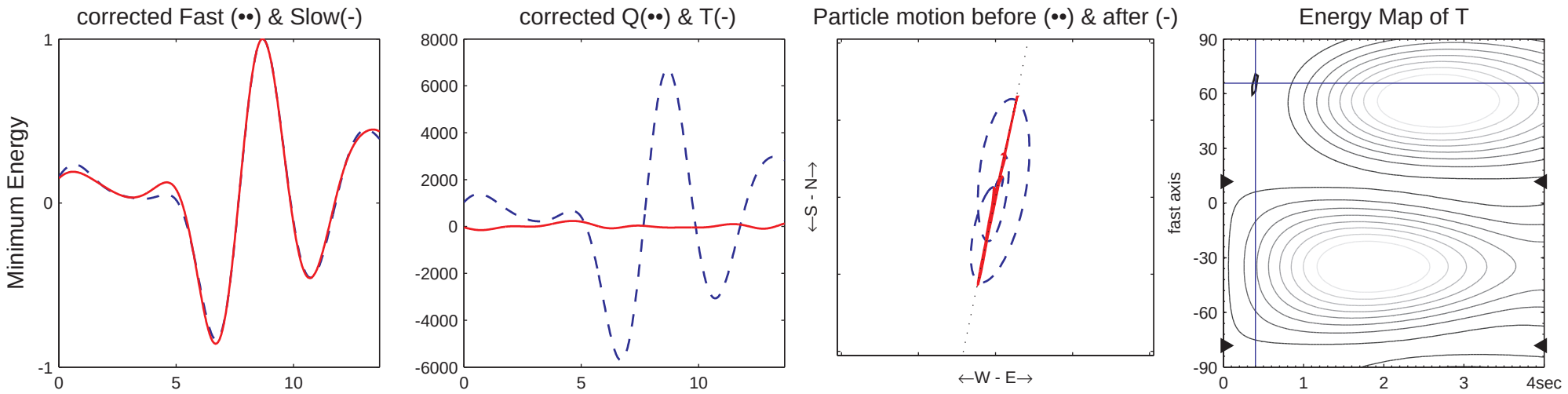
Rotation Correlation:	39<	63° <	87	0.3<0.4s<0.6
Minimum Energy:	60<	66° <	70	0.4<0.4s<0.4
Eigenvalue:	64<	74° <	82	0.4<0.4s<0.6

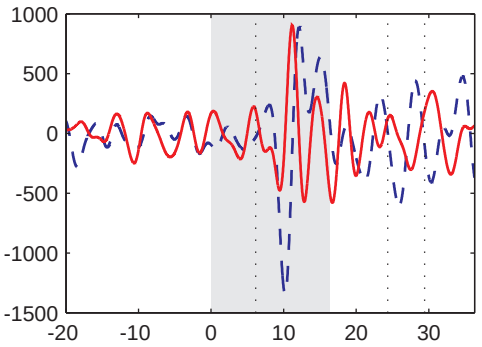
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



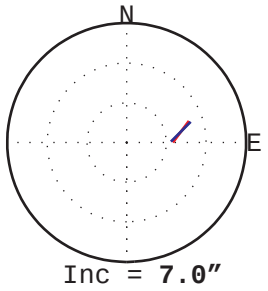


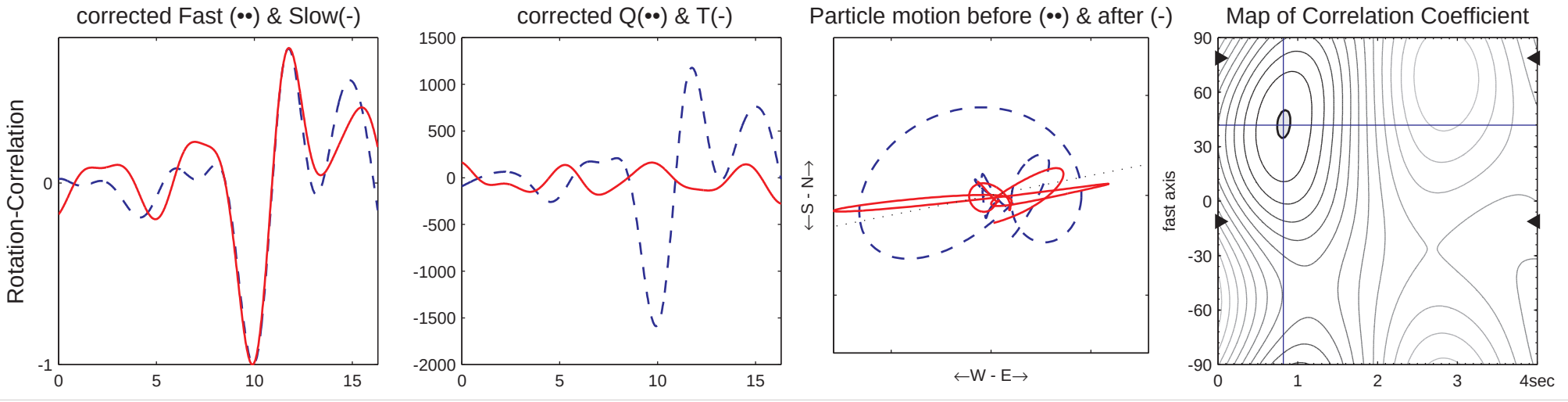


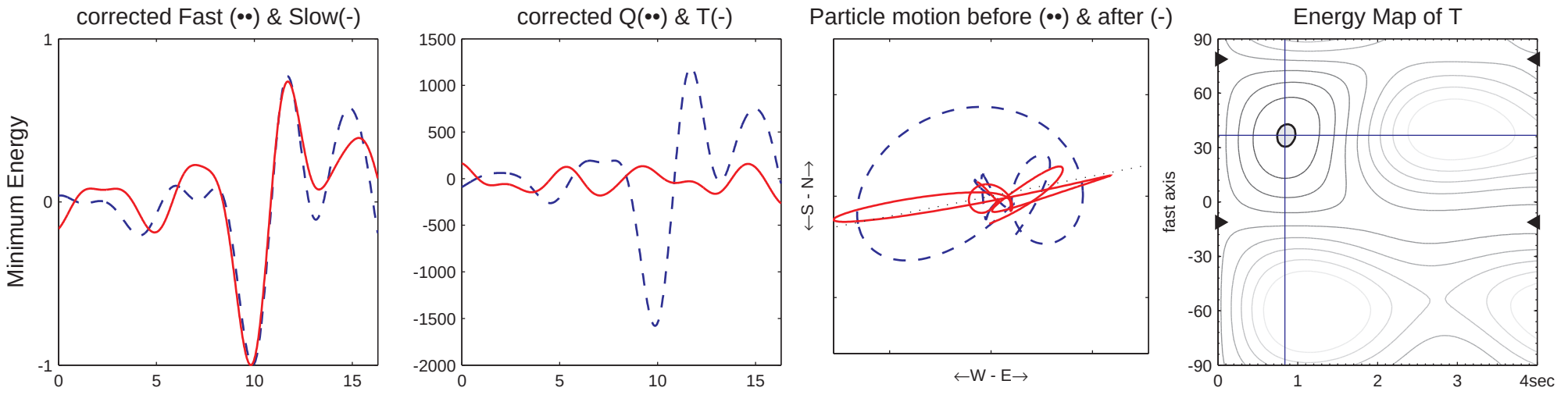
Event: **09-Oct-2007 (282) 15:03 -4.79N 152.86E 43km Mw=6.0**
Station: **URFA** Backazimuth: **78.8”** Distance: **111.90”**
init.Pol.: **265.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.8**

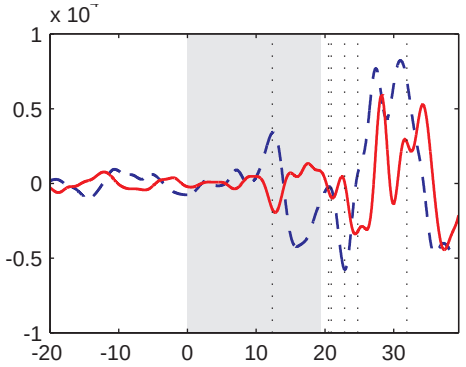
Rotation Correlation:	35<	42° <	50	0.8<0.8s<0.9
Minimum Energy:	31<	37° <	43	0.8<0.8s<1.0
Eigenvalue:	35<	45° <	54	0.8<0.9s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





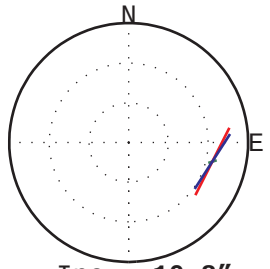




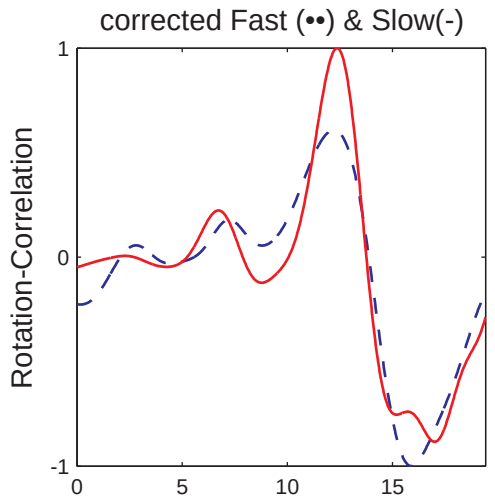
Event: **25-Nov-2007 (329) 19:53 -8.22N 118.47E 18km Mw=6.5**
Station: **URFA** Backazimuth: **102.8”** Distance: **86.89”**
init.Pol.: **293.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.1**

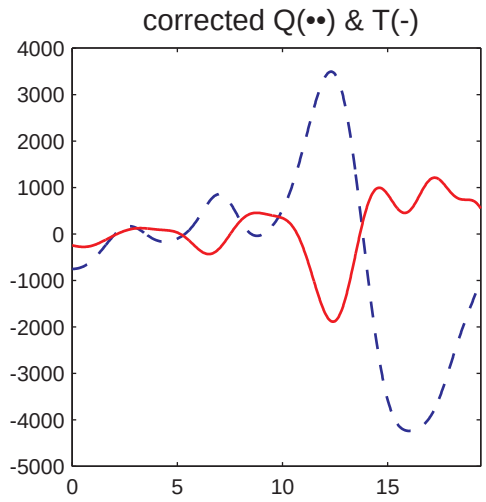
Rotation Correlation:	64<	73° <	84	0.1<0.3s<0.5
Minimum Energy:	23<	27° <	31	2.0<2.4s<2.8
Eigenvalue:	29<	33° <	37	1.6<2.0s<2.5

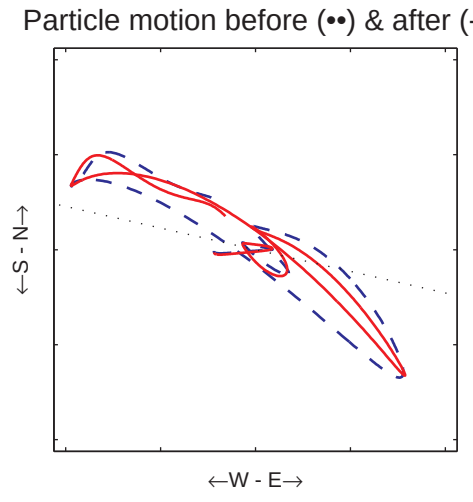
Quality: **good** IsNull: **Yes** Phase: **SKS**

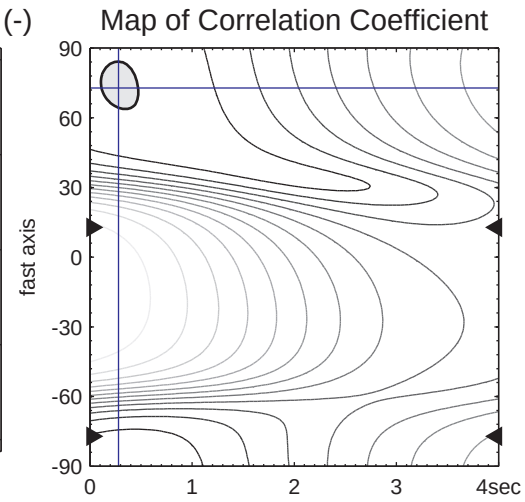


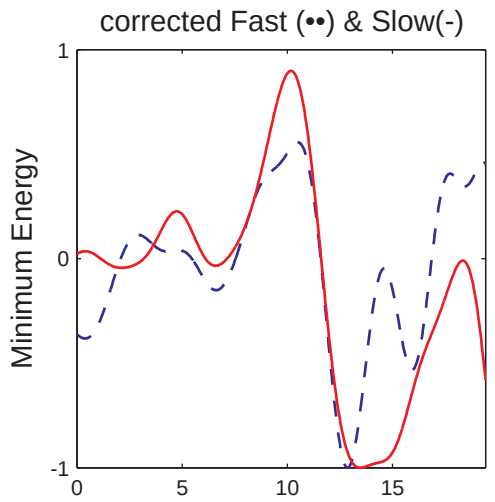
Inc = **10.8”**

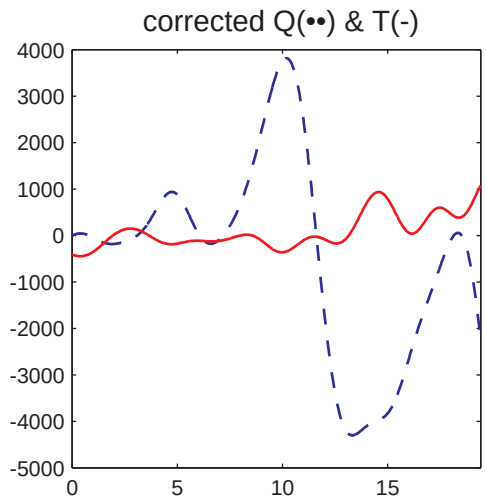


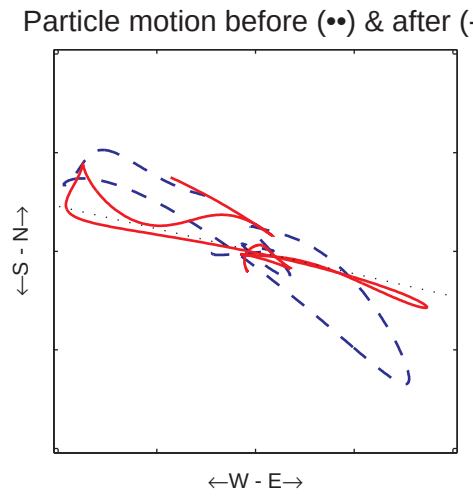


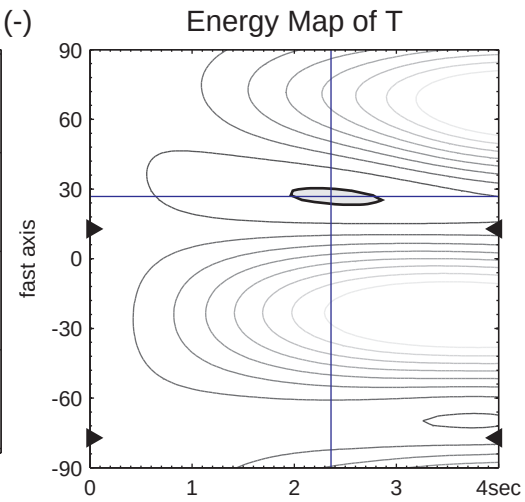


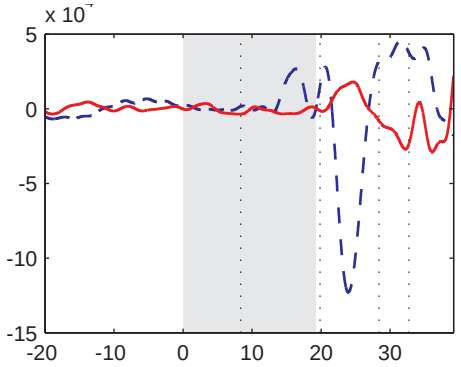








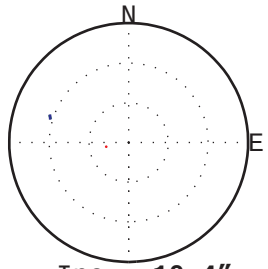




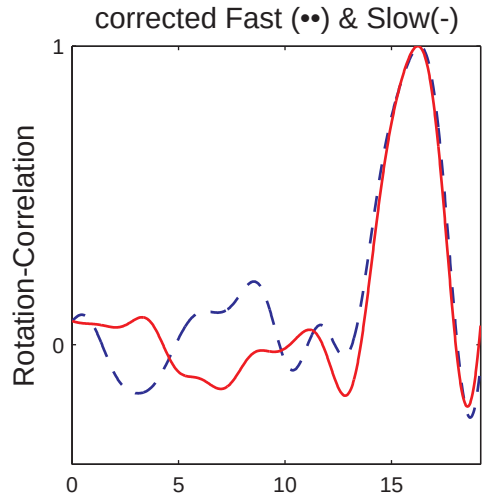
Event: **29-Nov-2007 (333) 19:00 14.94N -61.27E 156km Mw=7.4**
Station: **URFA** Backazimuth: **287.9”** Distance: **88.72”**
init.Pol.: **115.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.8**

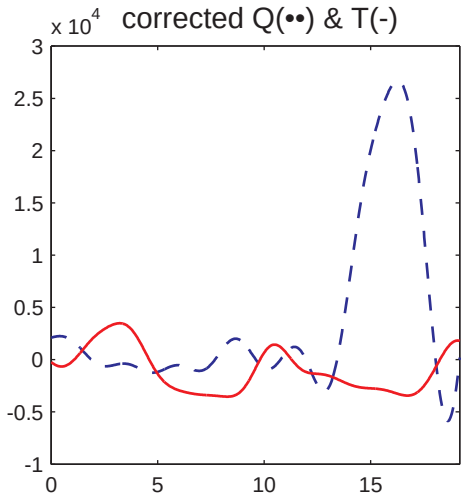
Rotation Correlation:	-31<	-19° <	-8	0.0<0.1s<0.4
Minimum Energy:	17<	-62° <	15	0.0<4.0s<4.0
Eigenvalue:	-Inf<	-4° <	Inf	0.0<0.2s<Inf

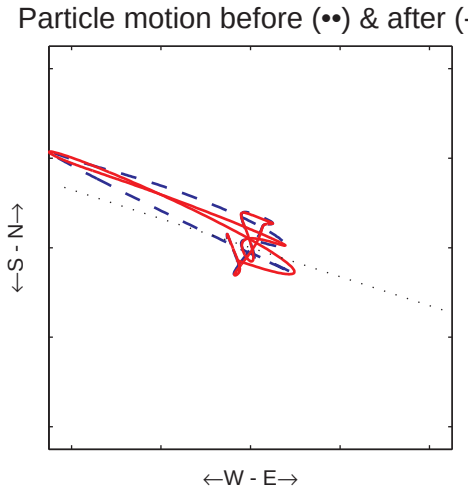
Quality: **good** IsNull: **Yes** Phase: **SKS**

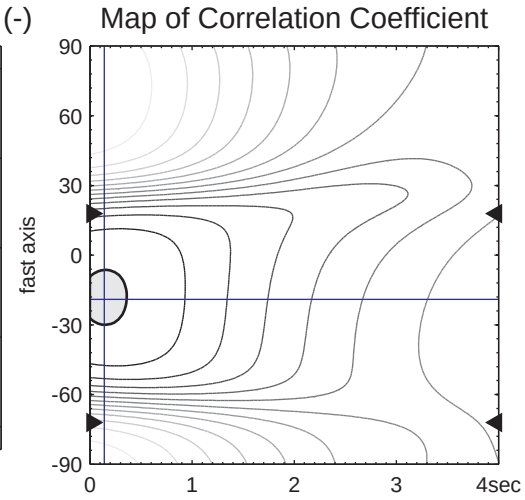


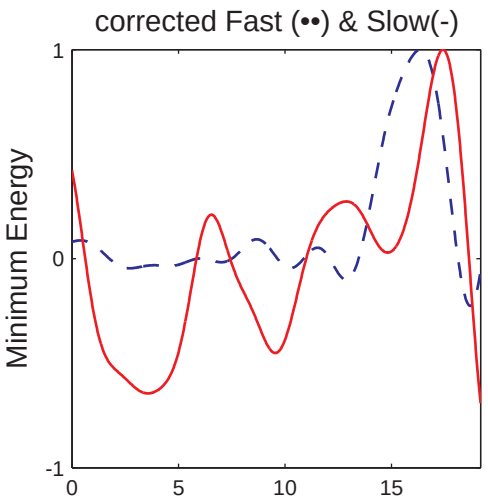
Inc = **10.4”**

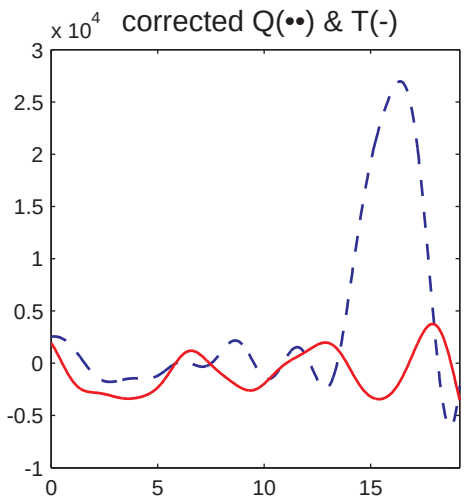


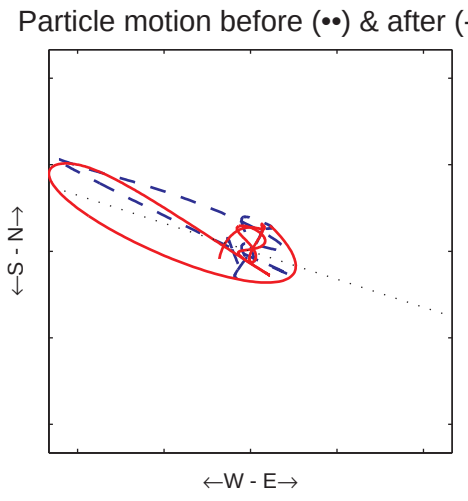


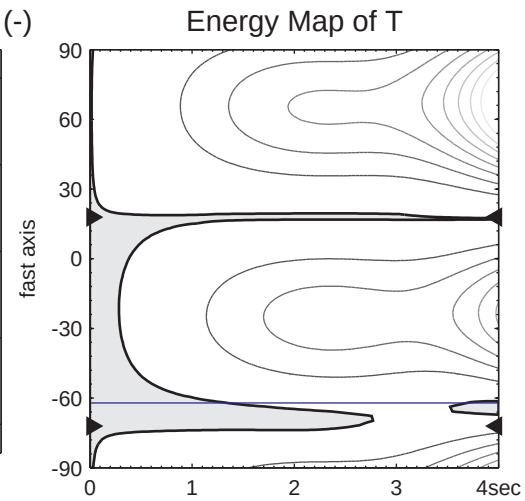


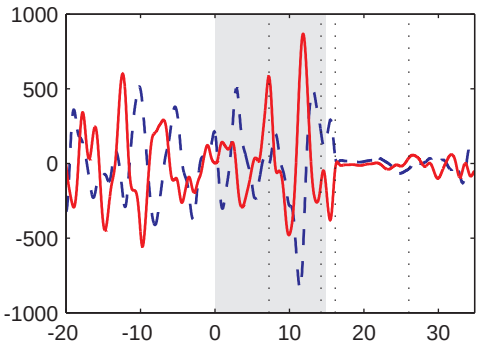








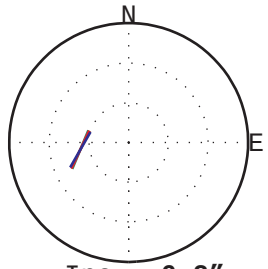




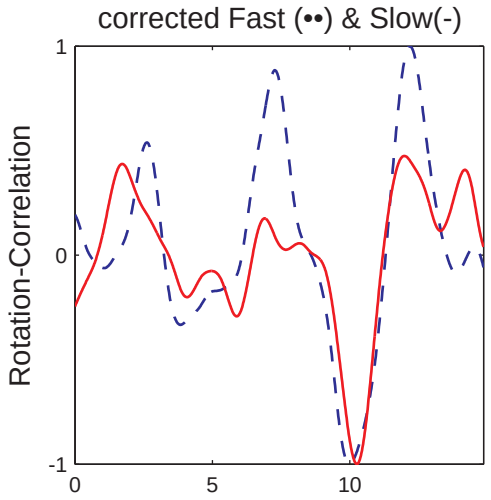
Event: **13-Dec-2007 (347) 05:20 -23.16N -70.48E 15km Mw=6.0**
Station: **URFA** Backazimuth: **261.6”** Distance: **118.71”**
init.Pol.: **87.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.4**

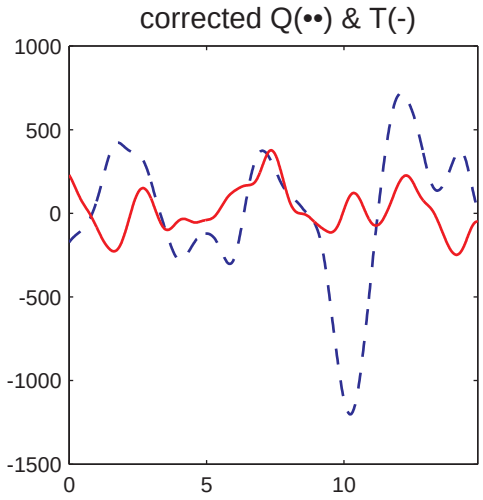
Rotation Correlation:	7<	23° <	40	1.1<1.3s<1.5
Minimum Energy:	17<	26° <	33	1.0<1.3s<1.6
Eigenvalue:	5<	30° <	54	0.9<1.3s<1.6

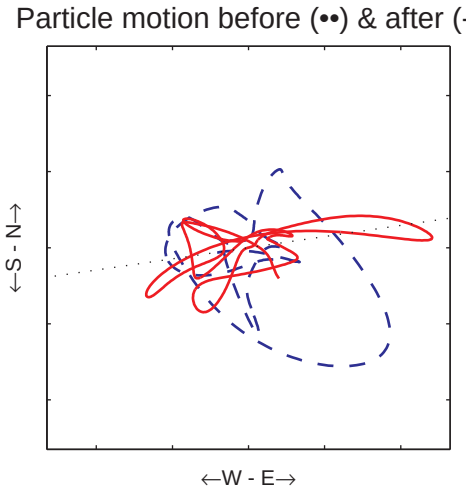
Quality: **good** IsNull: **No** Phase: **SKS**

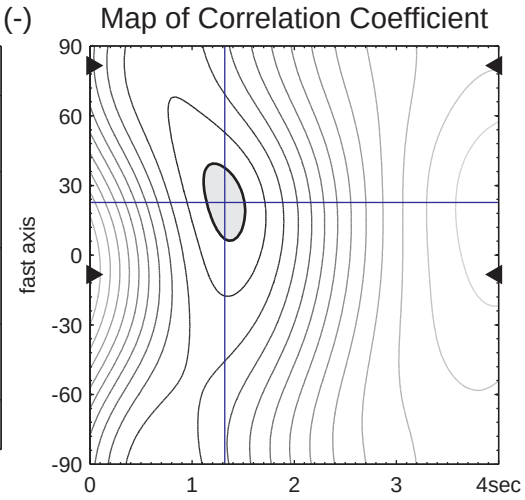


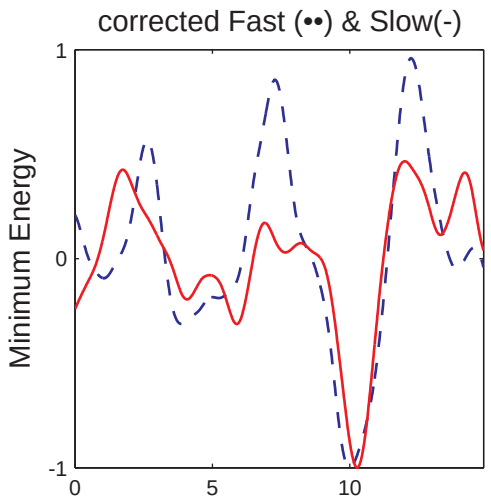
Inc = **6.2”**

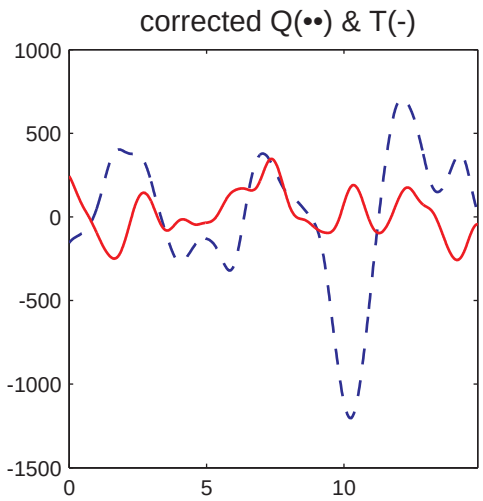


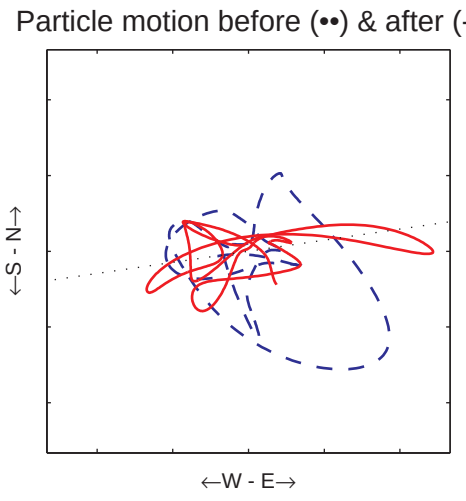


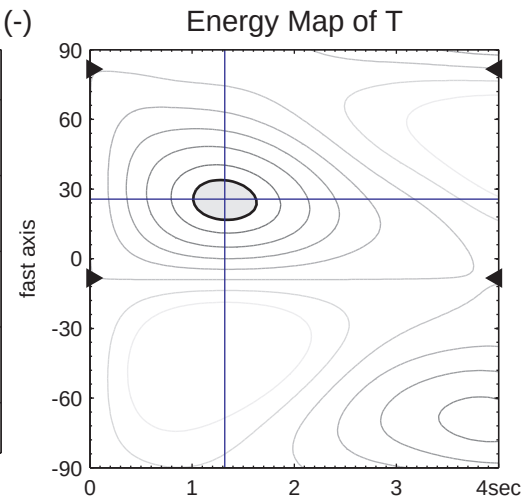


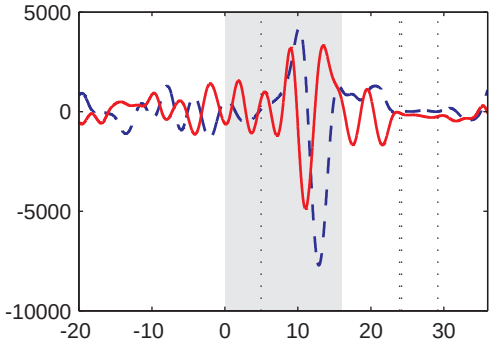








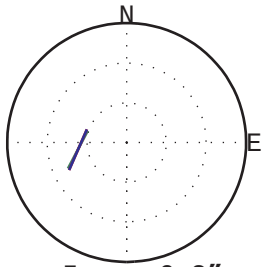




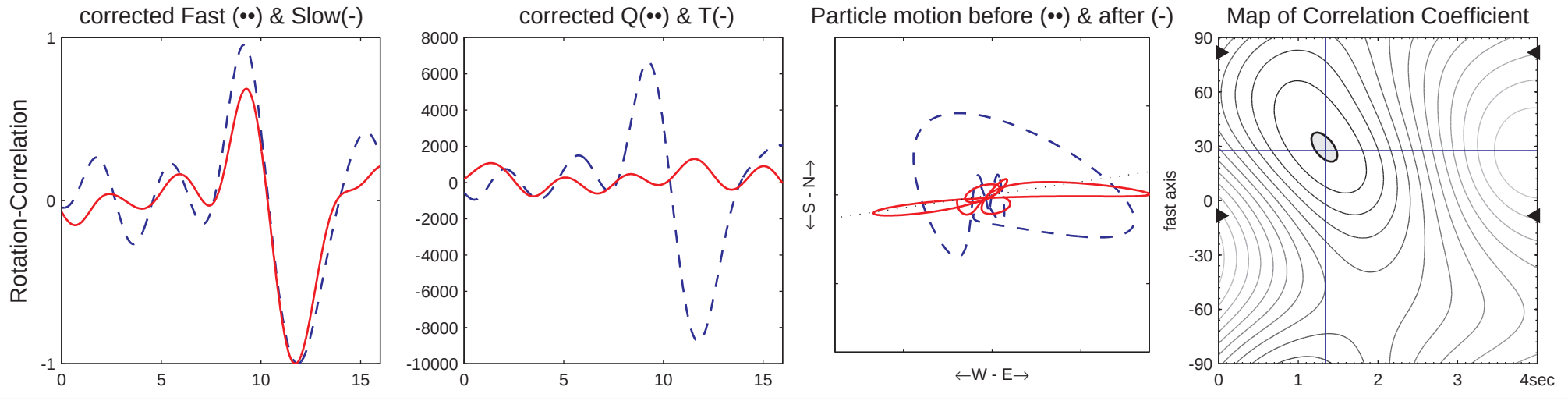
Event: **16-Dec-2007 (350) 08:09 -22.95N -70.18E 45km Mw=6.7**
Station: **URFA** Backazimuth: **261.7”** Distance: **118.37”**
init.Pol.: **81.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.9**

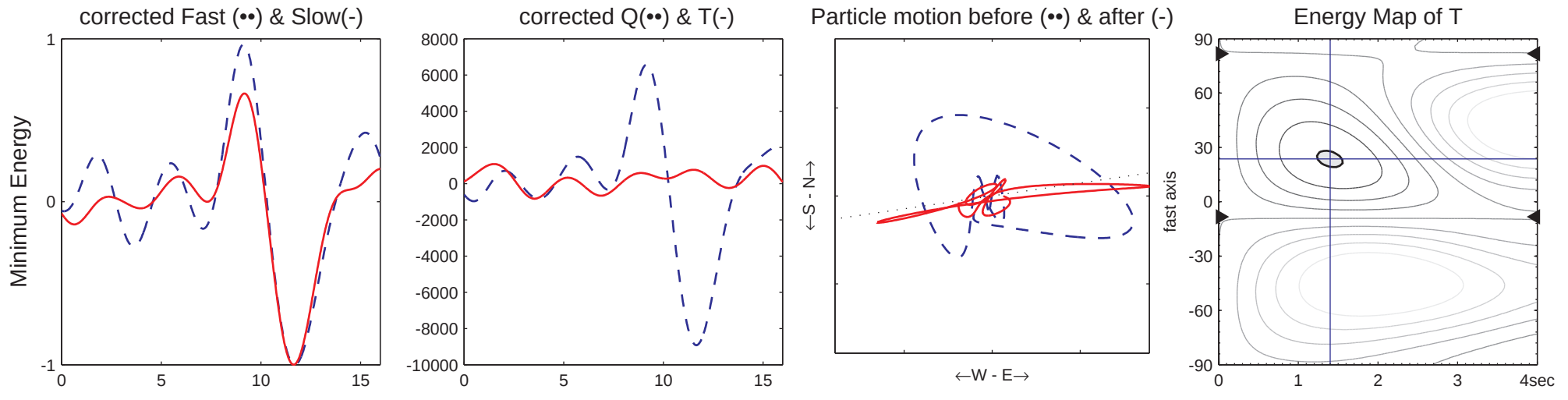
Rotation Correlation:	22<	28° <	38	1.2<1.3s<1.5
Minimum Energy:	19<	24° <	27	1.2<1.4s<1.6
Eigenvalue:	17<	24° <	31	1.2<1.4s<1.6

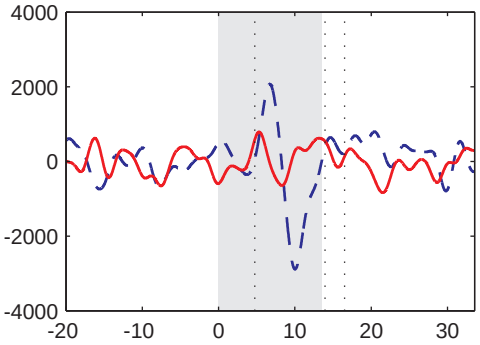
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **6.2”**



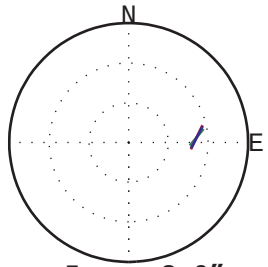




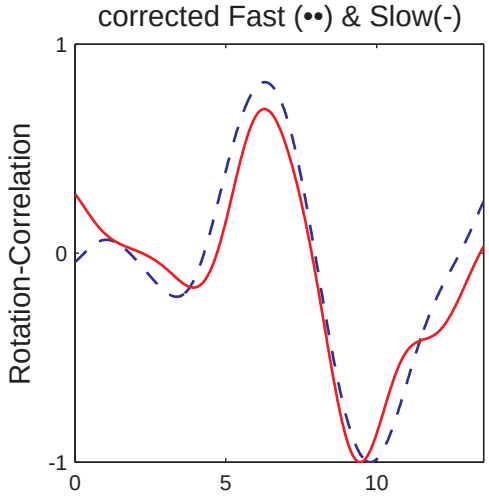
Event: **22-Dec-2007 (356) 07:11 -2.41N 139.07E 20km Mw=6.2**
Station: **URFA** Backazimuth: **85.7”** Distance: **99.59”**
init.Pol.: **265.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.2**

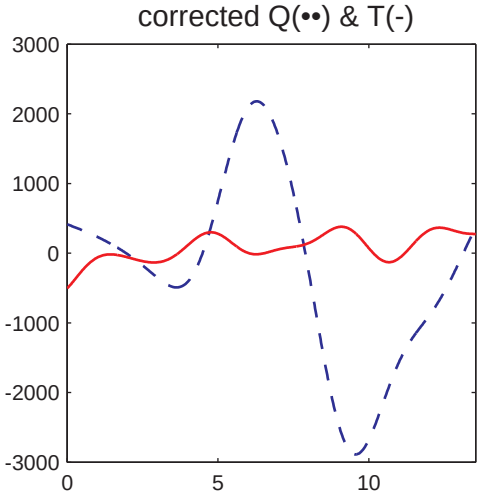
Rotation Correlation:	22<	40° <	62	0.4<0.7s<1.0
Minimum Energy:	9<	26° <	54	0.5<0.8s<1.4
Eigenvalue:	5<	28° <	74	0.5<0.8s<1.4

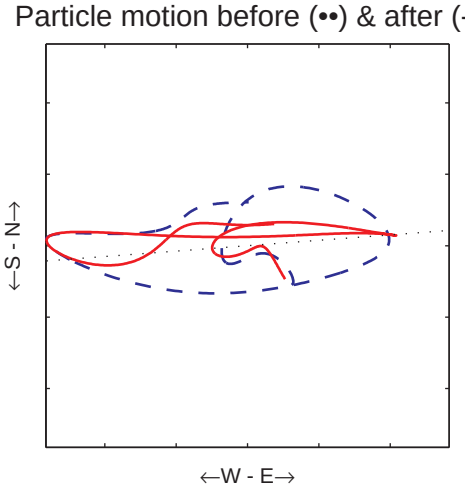
Quality: **fair** IsNull: **No** Phase: **SKS**

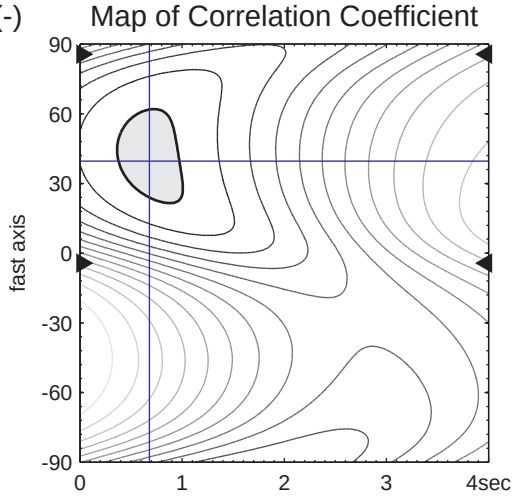


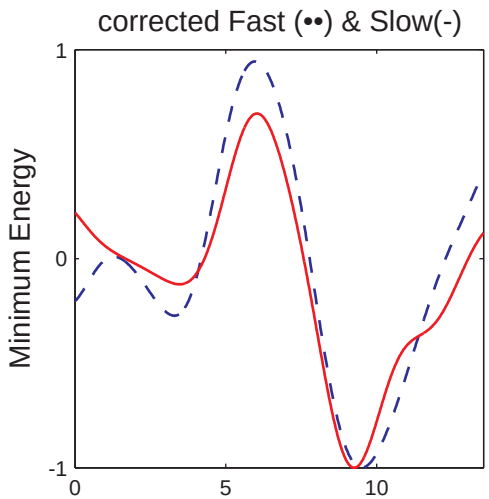
Inc = **8.6”**

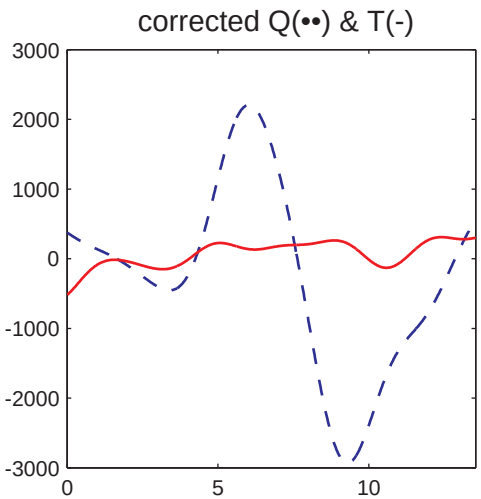


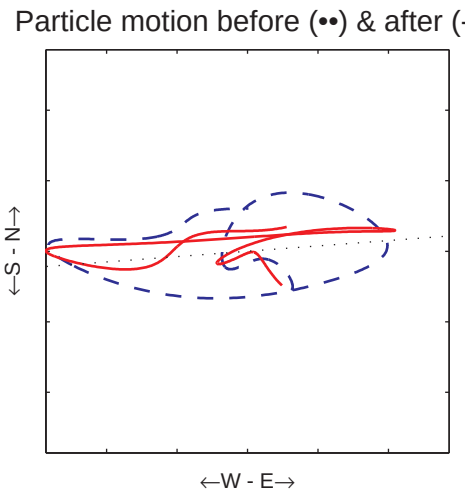


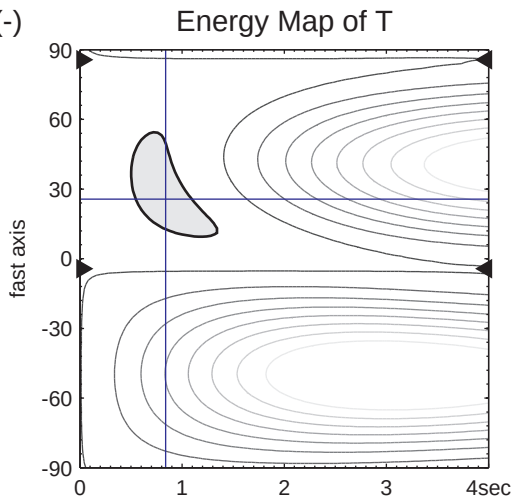


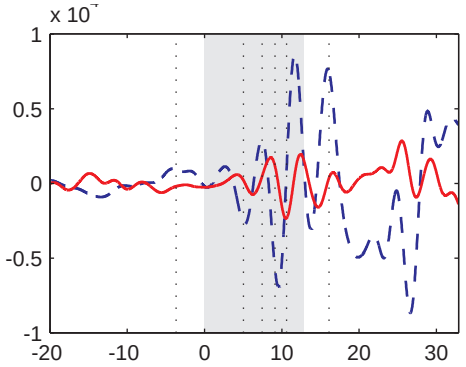








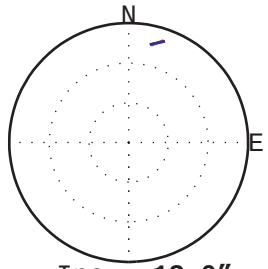




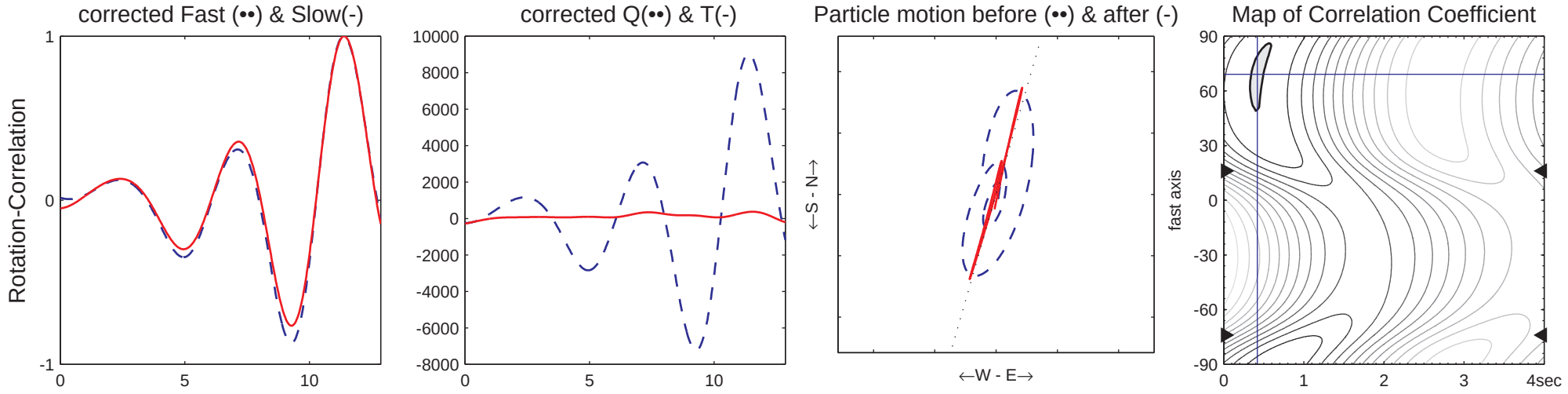
Event: **26-Dec-2007 (360) 22:04 52.56N -168.22E 25km Mw=6.4**
Station: **URFA** Backazimuth: **16.1”** Distance: **86.98”**
init.Pol.: **196.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**39.0**

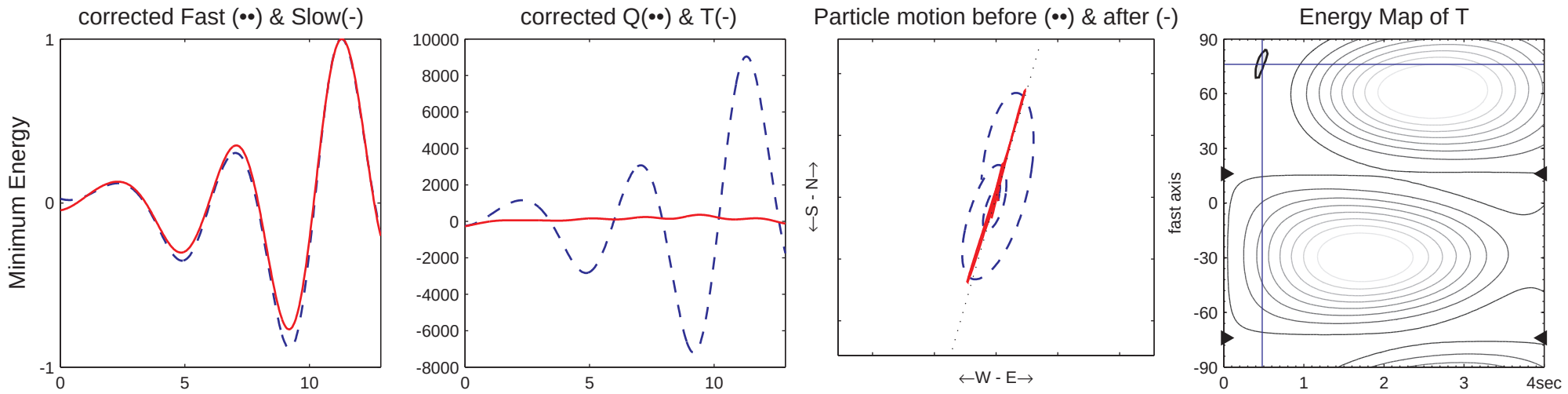
Rotation Correlation:	49<	69° <	86	0.3<0.4s<0.6
Minimum Energy:	68<	76° <	84	0.4<0.5s<0.6
Eigenvalue:	62<	78° <	-92	0.4<0.5s<0.6

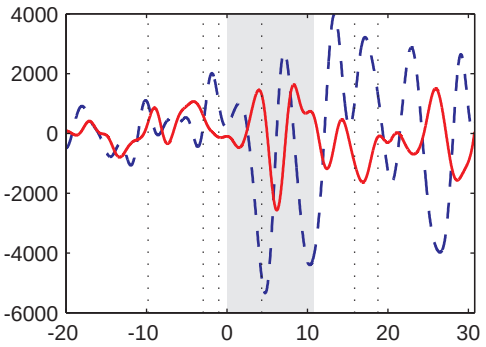
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **13.0”**



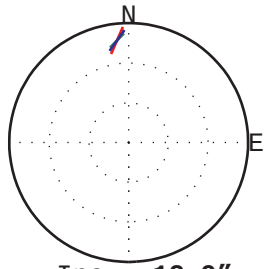




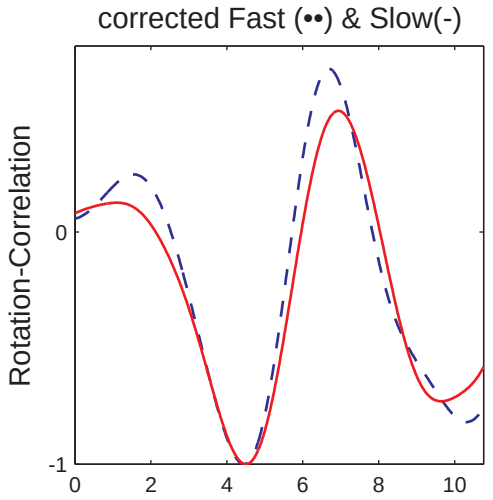
Event: **05-Jan-2008 (005) 11:01 51.25N -130.75E 15km Mw=6.6**
Station: **URFA** Backazimuth: **353.5”** Distance: **90.83”**
init.Pol.: **180.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.4**

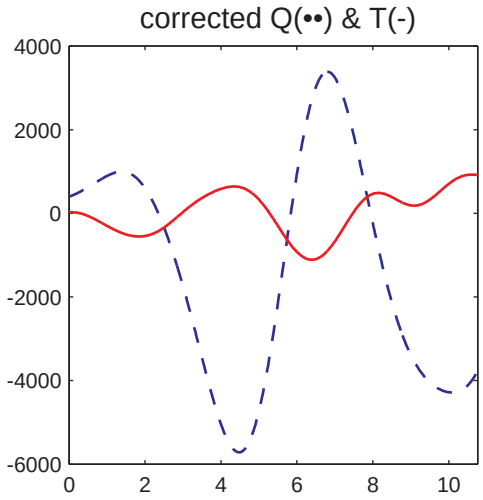
Rotation Correlation:	21<	44° <	69	0.4<0.6s<1.0
Minimum Energy:	15<	23° <	31	0.8<0.9s<1.2
Eigenvalue:	21<	35° <	54	0.6<0.8s<1.0

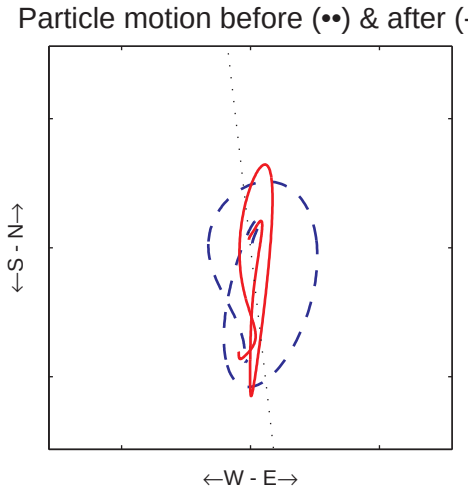
Quality: **fair** IsNull: **No** Phase: **SKKS**

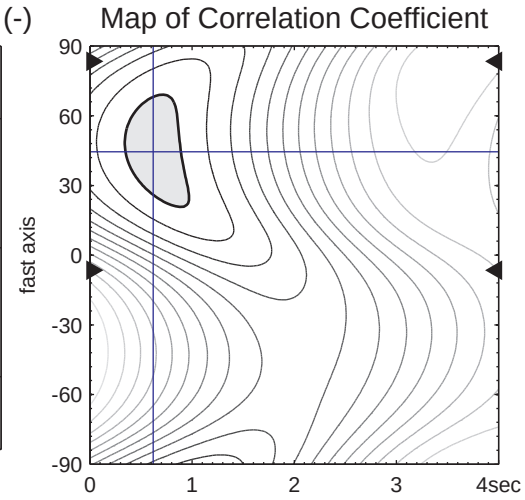


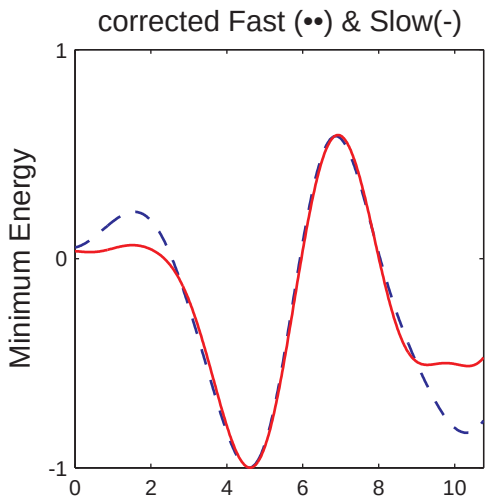
Inc = **12.9”**

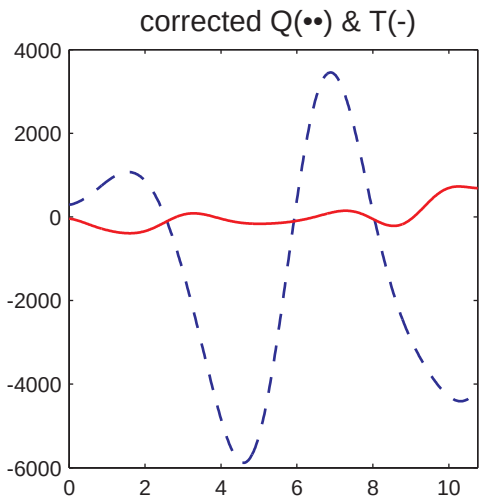


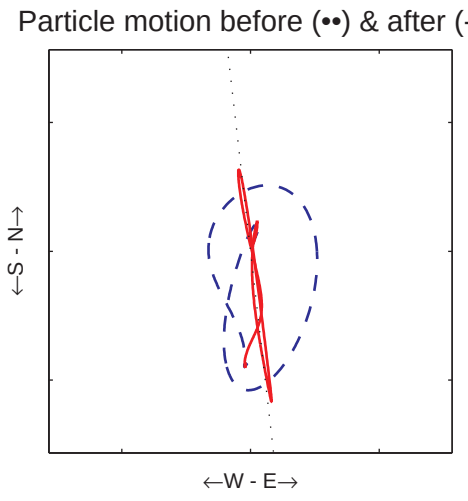


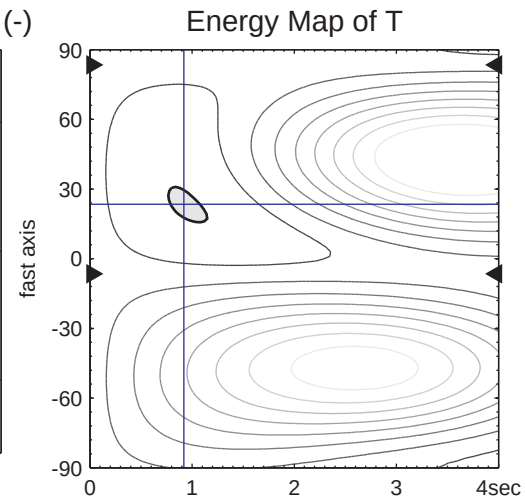


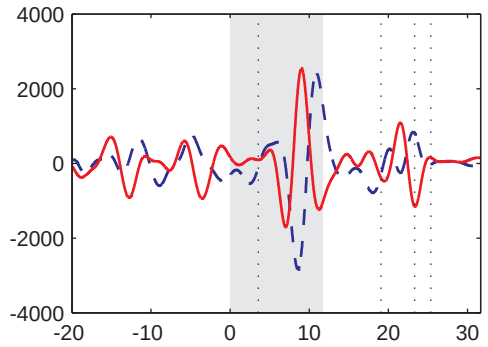








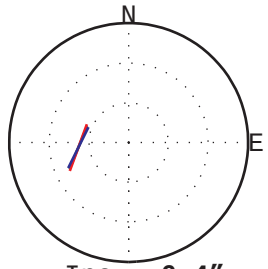


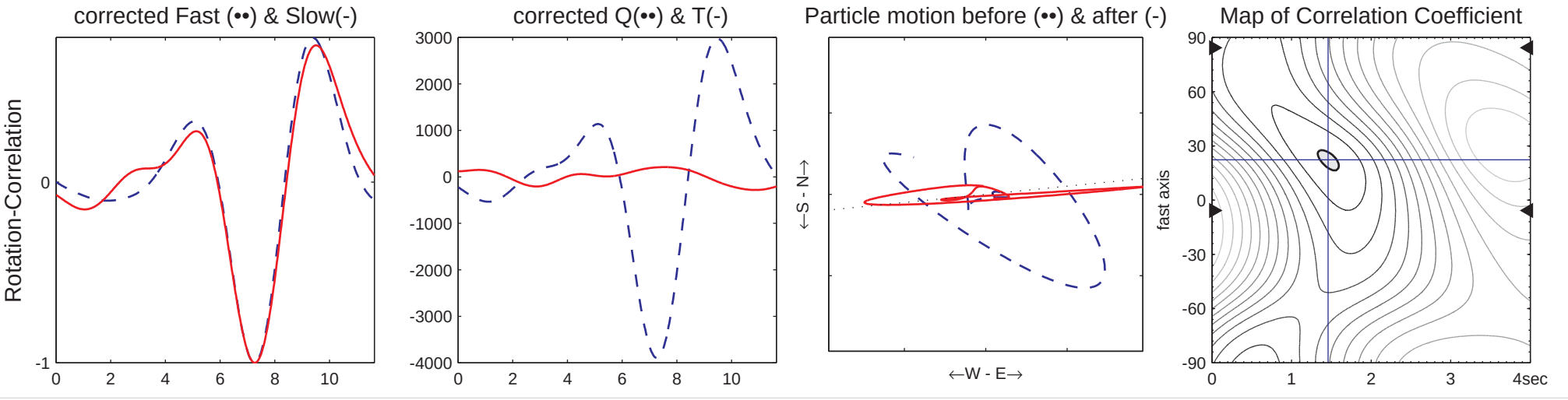


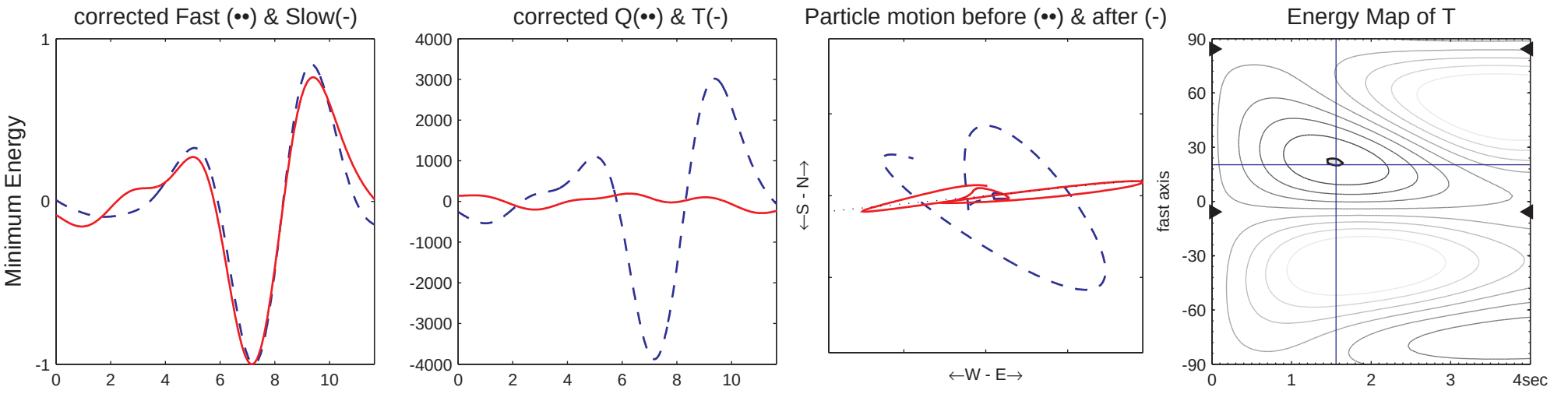
Event: **04-Feb-2008 (035) 17:01 -20.17N -70.04E 35km Mw=6.3**
Station: **URFA** Backazimuth: **264.3”** Distance: **116.78”**
init.Pol.: **92.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**14.2**

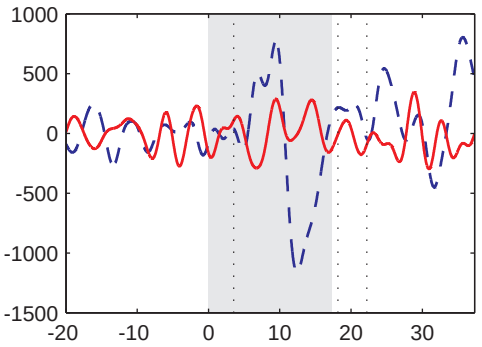
Rotation Correlation:	17<	22° <	28	1.3<1.5s<1.6
Minimum Energy:	19<	20° <	23	1.4<1.6s<1.6
Eigenvalue:	25<	26° <	31	1.4<1.4s<1.5

Quality: **good** IsNull: **No** Phase: **SKS**





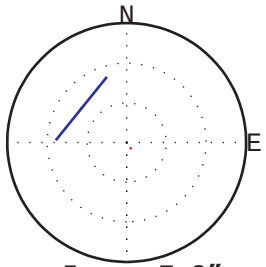




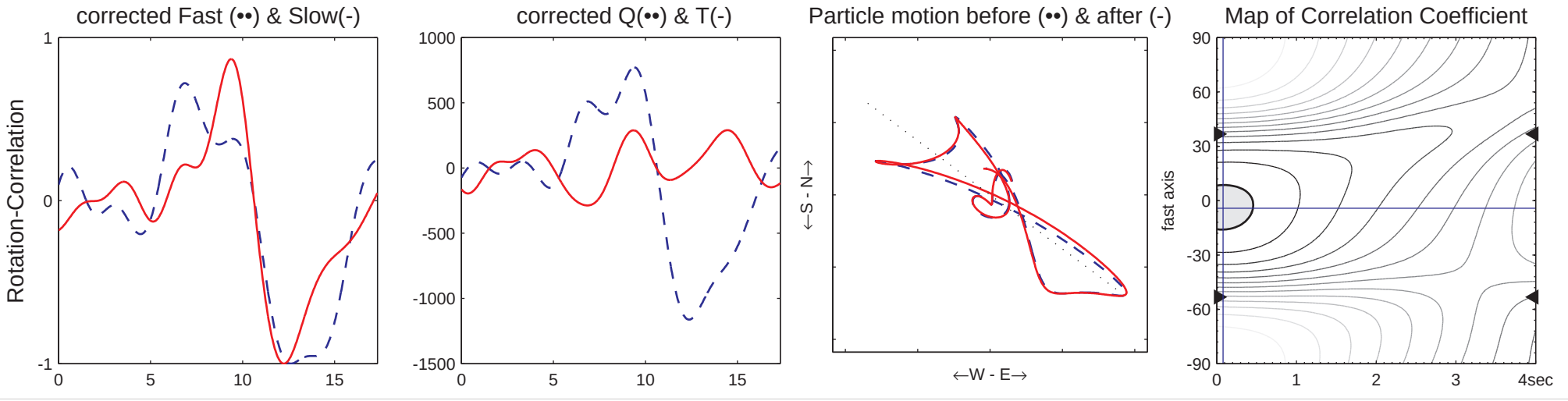
Event: **15-Apr-2008 (106) 03:03 13.56N -90.60E 33km Mw=6.1**
Station: **URFA** Backazimuth: **306.8”** Distance: **110.34”**
init.Pol.: **137.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

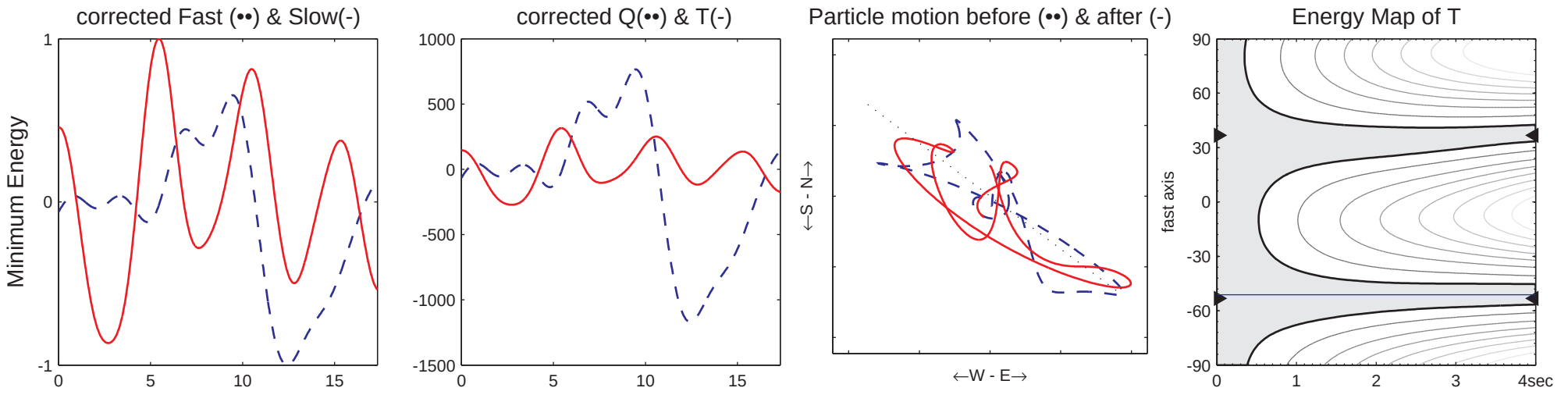
Rotation Correlation:	-17<	-4° < 8	0.0<0.1s<0.4
Minimum Energy:	-Inf<	-51° < Inf	0.0<4.0s<Inf
Eigenvalue:	-Inf<	39° < Inf	0.0<2.6s<Inf

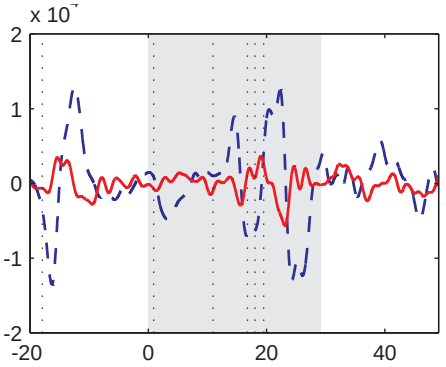
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **7.2”**



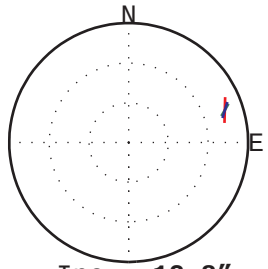




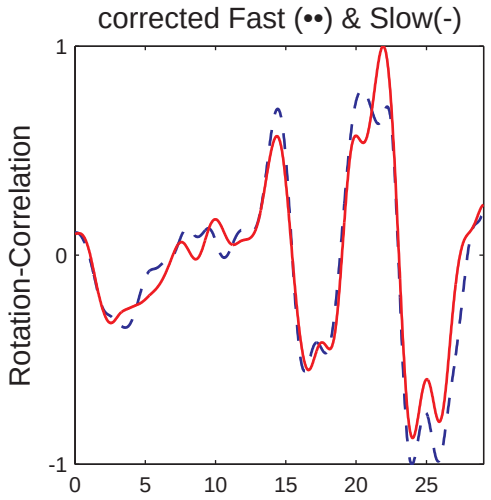
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **URFA** Backazimuth: **71.3”** Distance: **93.47”**
init.Pol.: **256.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.9**

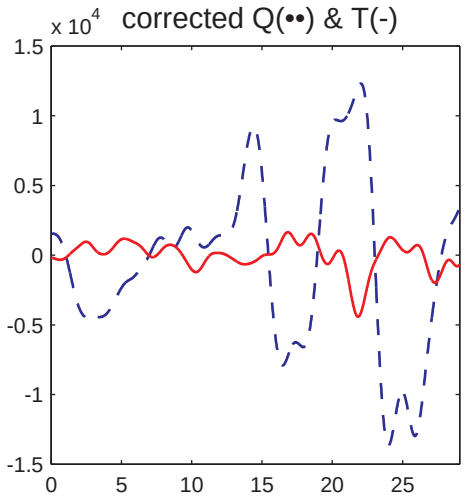
Rotation Correlation:	23<	30° <	39	0.4<0.4s<0.5
Minimum Energy:	-5<	1° <	13	0.5<0.8s<1.2
Eigenvalue:	1<	17° <	41	0.4<0.5s<0.8

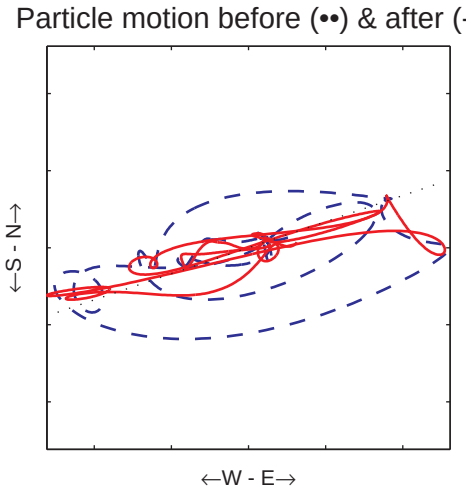
Quality: **fair** IsNull: **No** Phase: **SKKS**

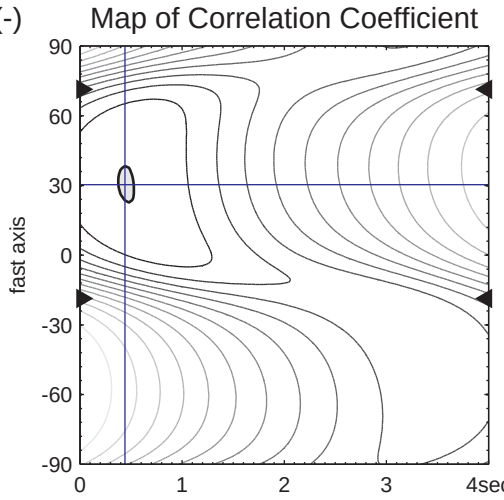


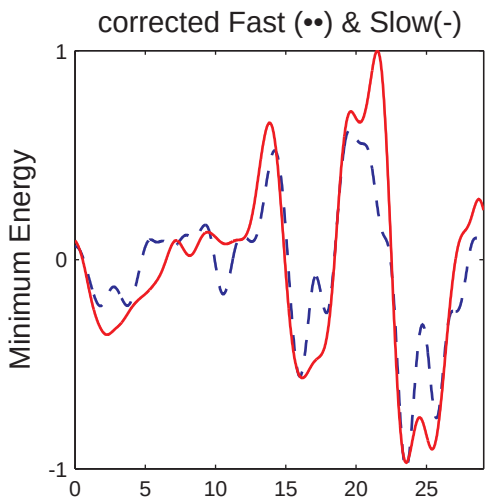
Inc = **12.8”**

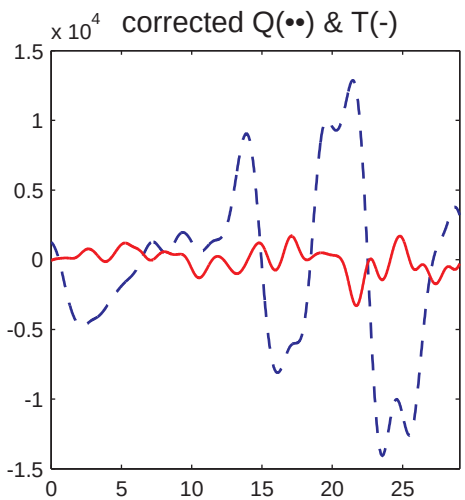


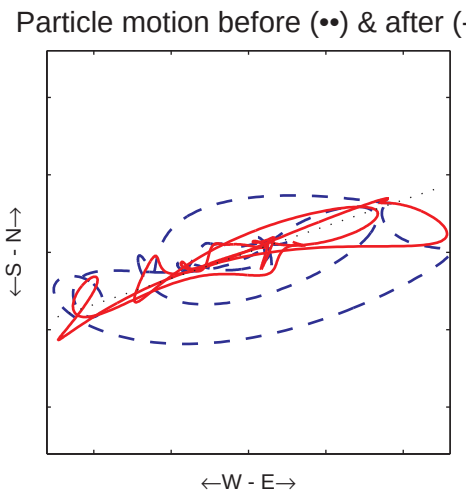


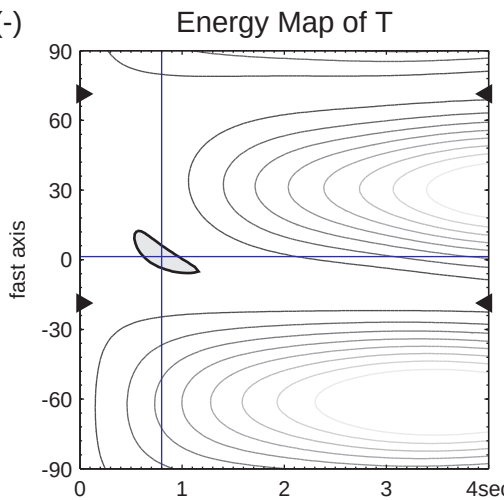


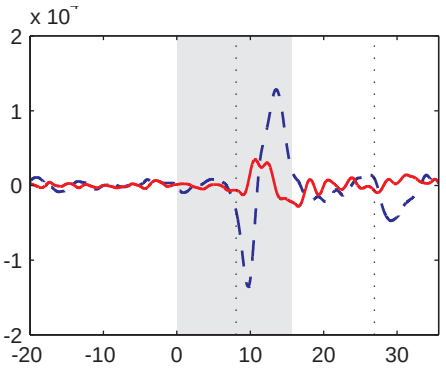








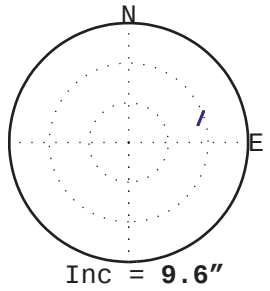


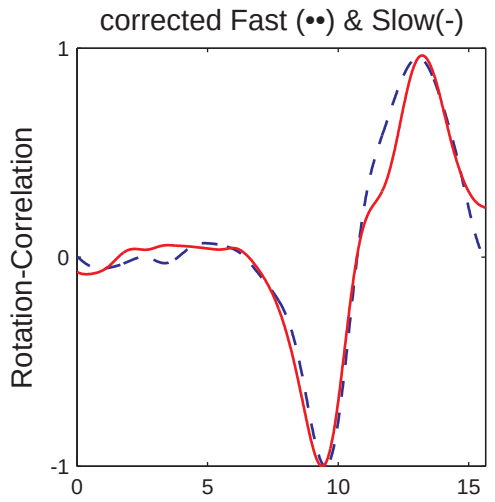


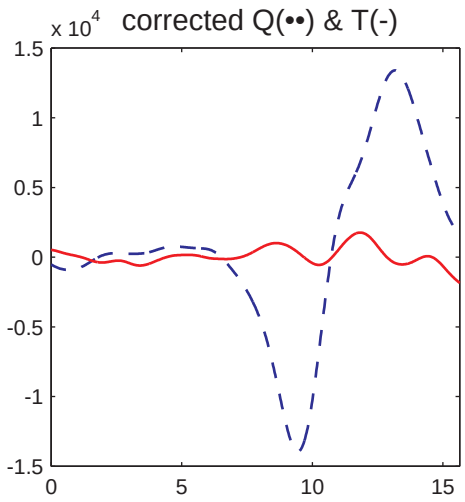
Event: **09-May-2008 (130) 21:51 12.52N 143.18E 76km Mw=6.8**
Station: **URFA** Backazimuth: **71.3”** Distance: **93.47”**
init.Pol.: **251.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.1**

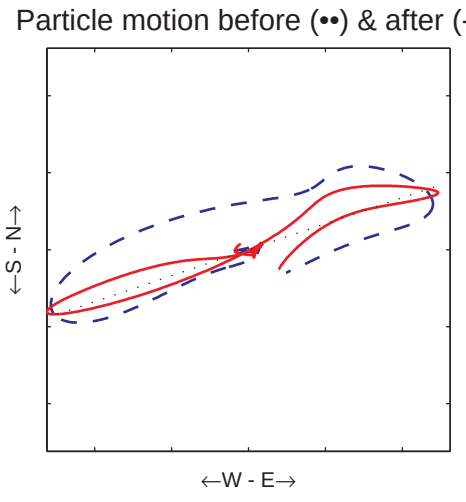
Rotation Correlation:	11<	24° <	40	0.4<0.5s<0.6
Minimum Energy:	1<	21° <	43	0.4<0.5s<0.8
Eigenvalue:	-5<	21° <	52	0.4<0.5s<0.9

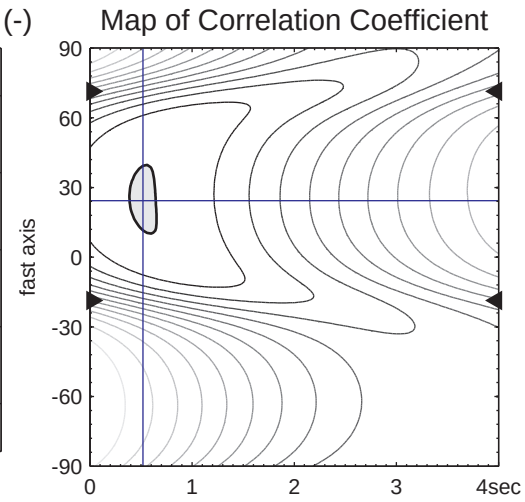
Quality: **good** IsNull: **No** Phase: **SKS**

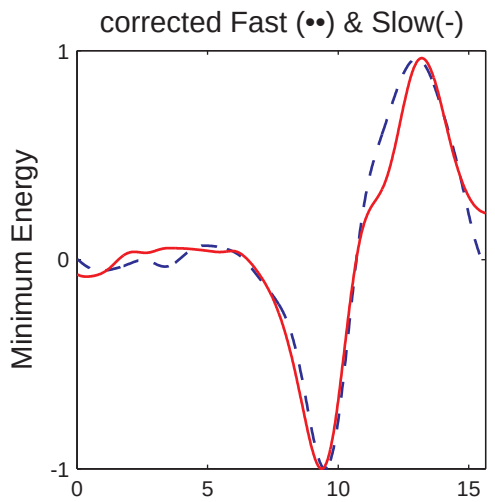


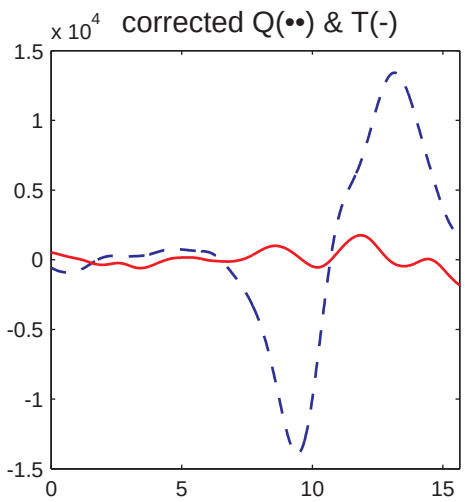


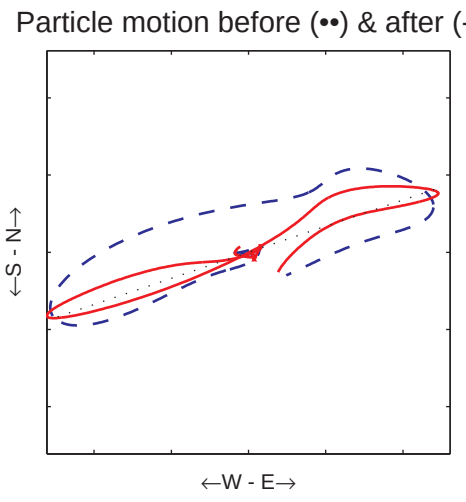


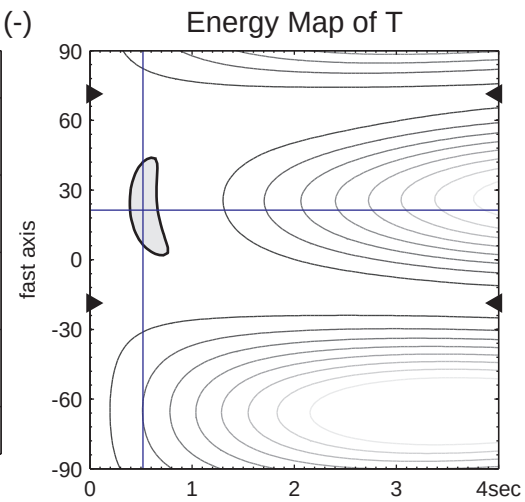


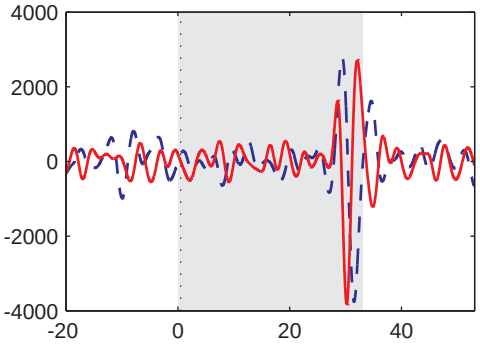








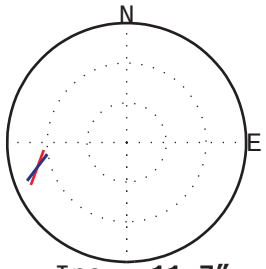




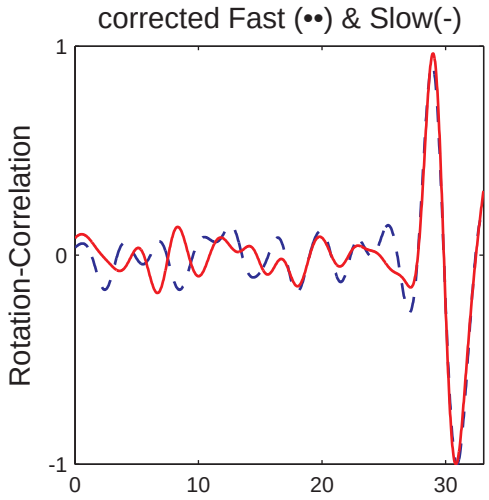
Event: **03-Sep-2008 (247) 11:25 -26.74N -63.23E 569km** Mw=**6.3**
Station: **URFA** Backazimuth: **254.4”** Distance: **114.93”**
init.Pol.: **92.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.6**

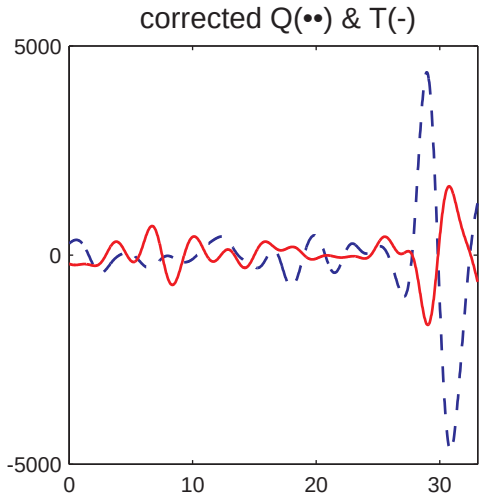
Rotation Correlation:	34<	38° <	44	1.0<1.0s<1.1
Minimum Energy:	17<	20° <	25	1.1<1.2s<1.3
Eigenvalue:	29<	36° <	46	1.0<1.0s<1.2

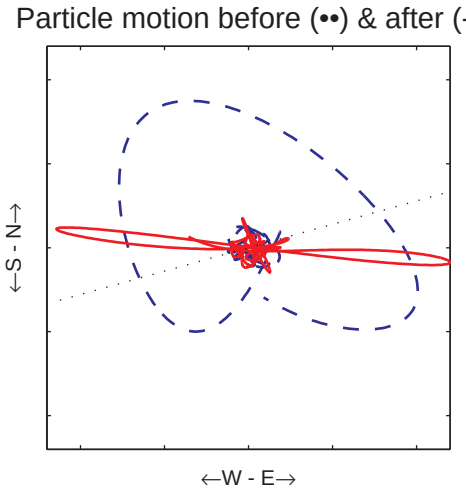
Quality: **fair** IsNull: **No** Phase: **SKKS**

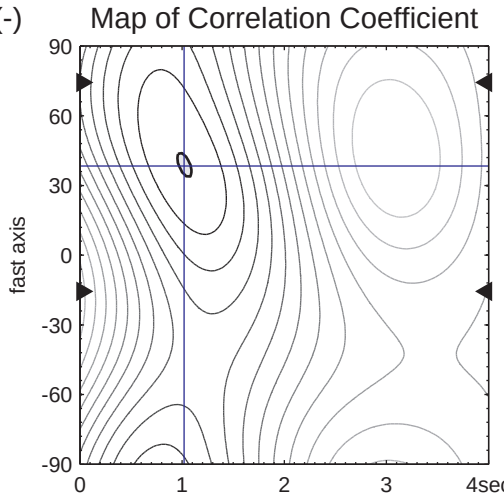


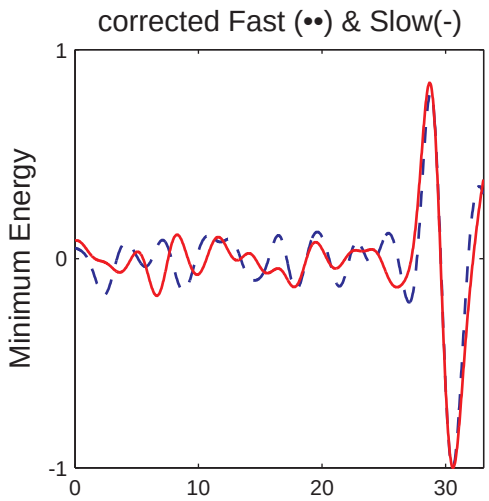
Inc = **11.7”**

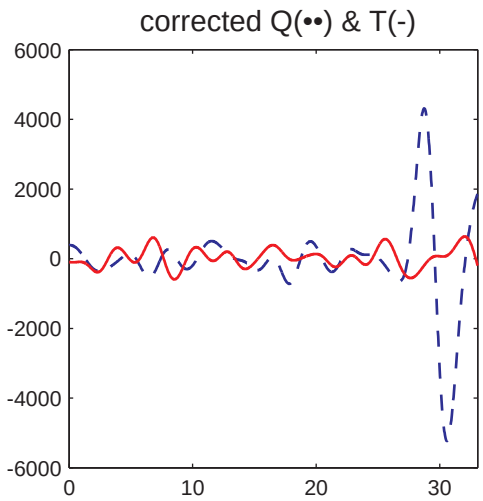


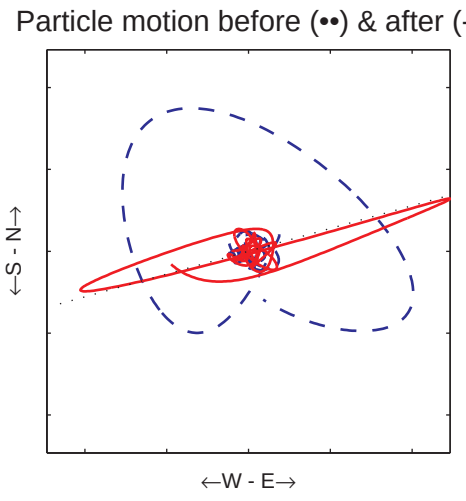


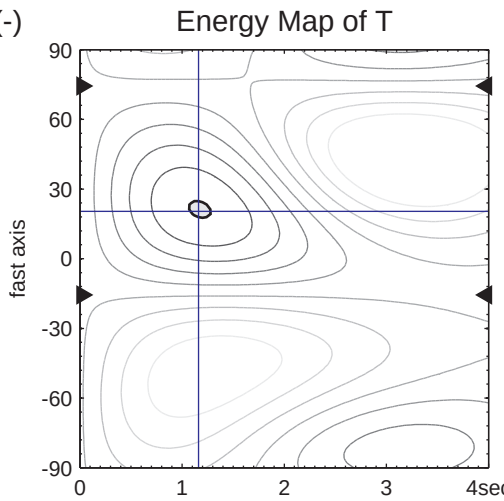


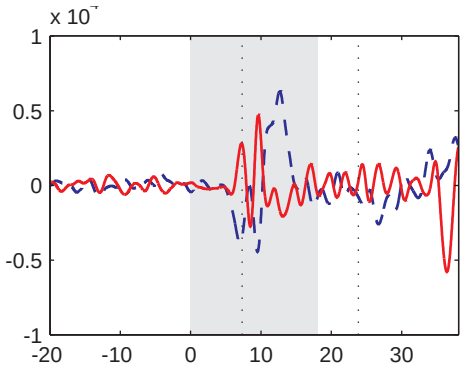








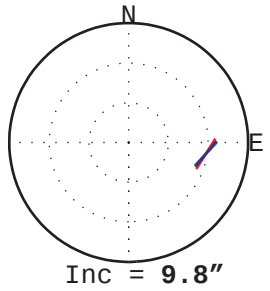


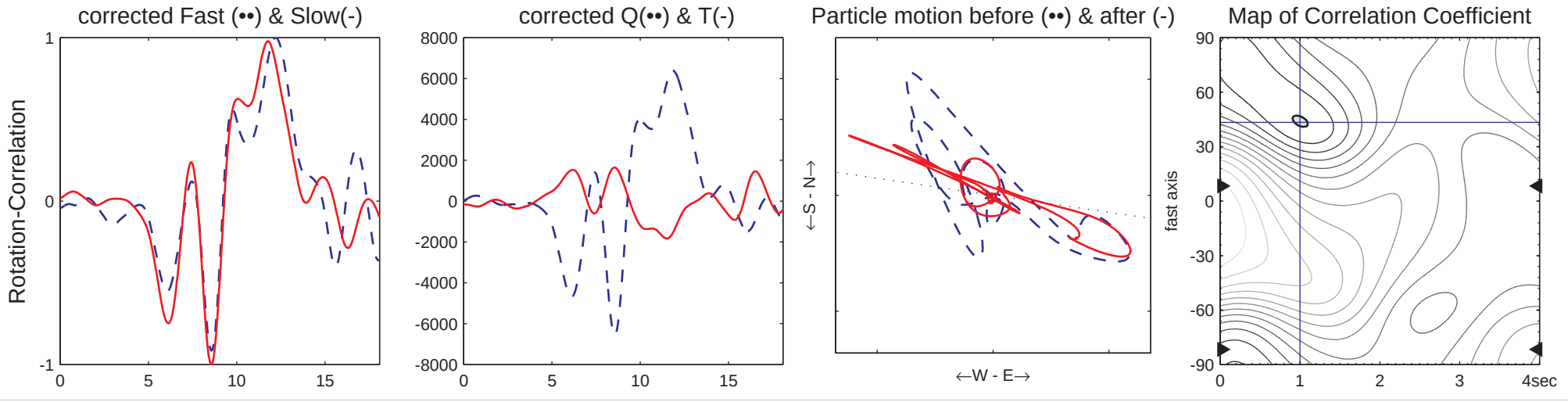


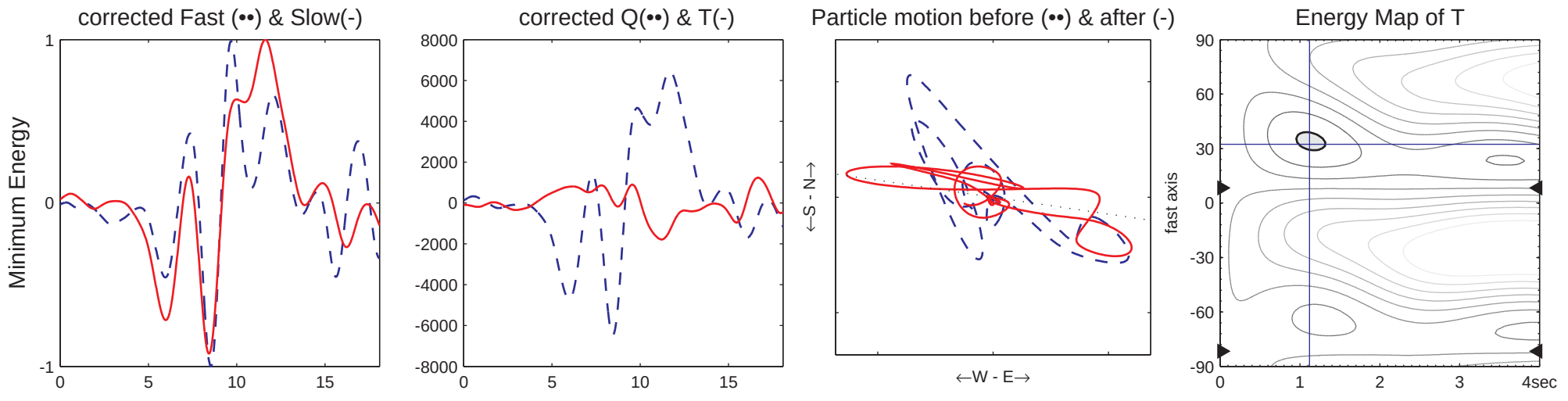
Event: **06-Dec-2008 (341) 10:55 -7.39N 124.75E 398km Mw=6.4**
Station: **URFA** Backazimuth: **98.3”** Distance: **91.28”**
init.Pol.: **291.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.9**

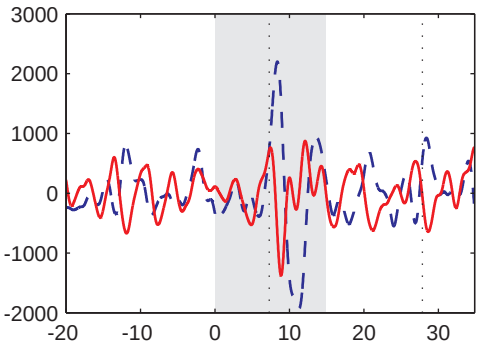
Rotation Correlation:	41<	43° <	47	0.9<1.0s<1.1
Minimum Energy:	29<	32° <	39	1.0<1.1s<1.3
Eigenvalue:	37<	40° <	46	0.9<1.0s<1.2

Quality: **fair** IsNull: **No** Phase: **SKS**





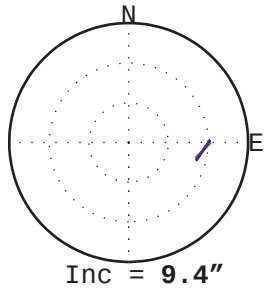


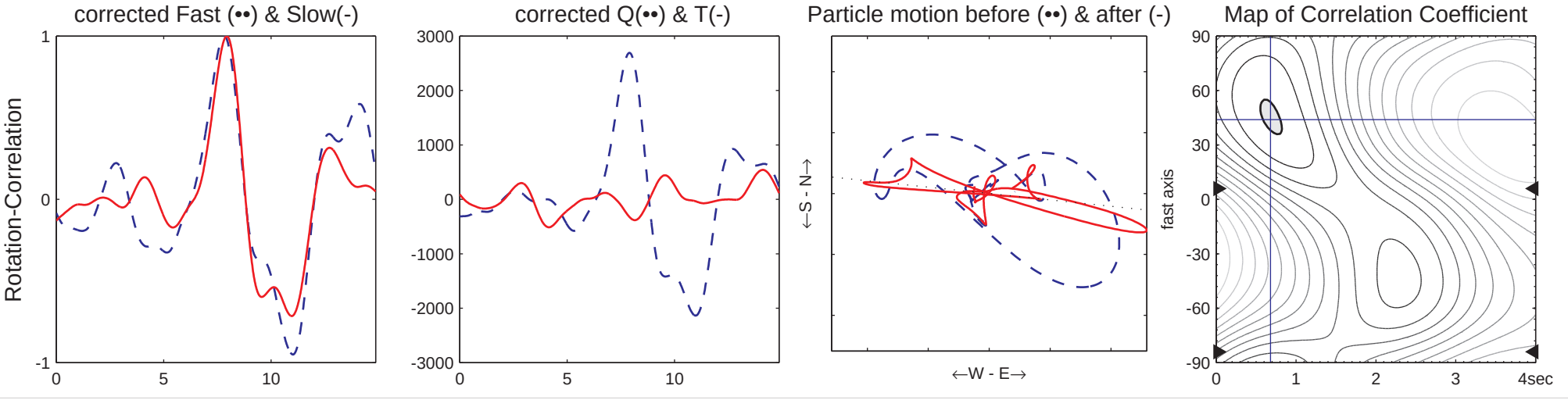


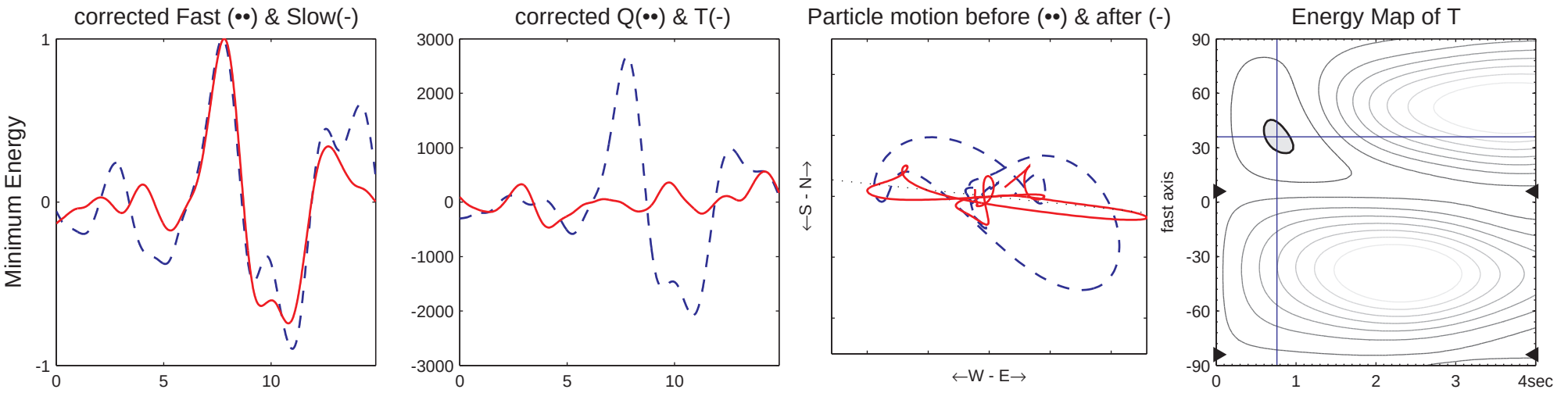
Event: **22-Jan-2009 (022) 20:16 -7.31N 128.57E 146km Mw=6.1**
Station: **URFA** Backazimuth: **96.0”** Distance: **94.23”**
init.Pol.: **274.6”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.0**

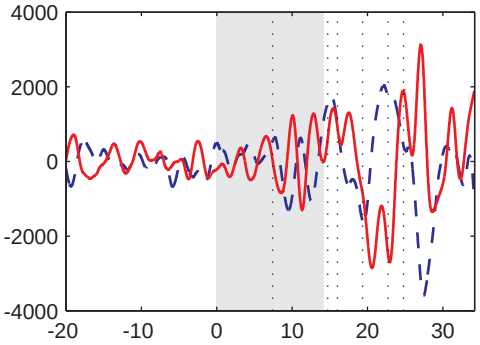
Rotation Correlation:	36<	44° <	55	0.6<0.7s<0.8
Minimum Energy:	27<	36° <	46	0.6<0.8s<1.0
Eigenvalue:	23<	34° <	48	0.6<0.8s<1.0

Quality: **fair** IsNull: **No** Phase: **SKS**





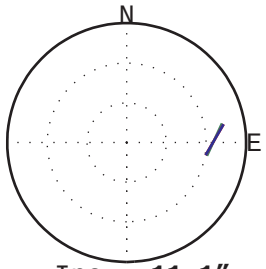




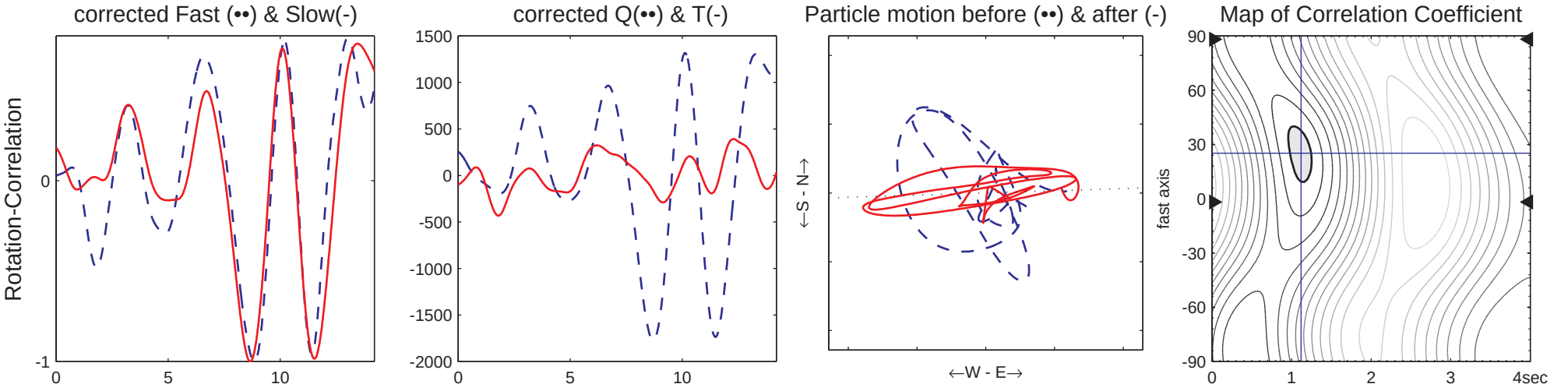
Event: **12-Feb-2009 (043) 13:15 4.04N 126.55E 27km Mw=6.3**
Station: **URFA** Backazimuth: **88.2”** Distance: **85.75”**
init.Pol.: **268.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.3**

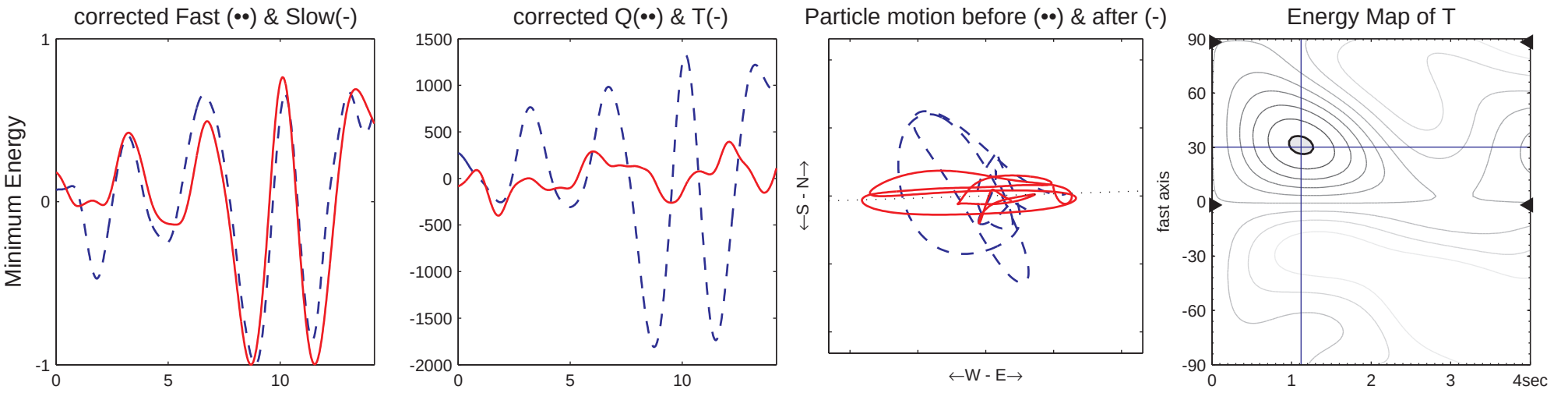
Rotation Correlation:	10<	25° <	40	1.0<1.1s<1.2
Minimum Energy:	27<	30° <	35	1.0<1.1s<1.3
Eigenvalue:	21<	30° <	46	0.9<1.1s<1.3

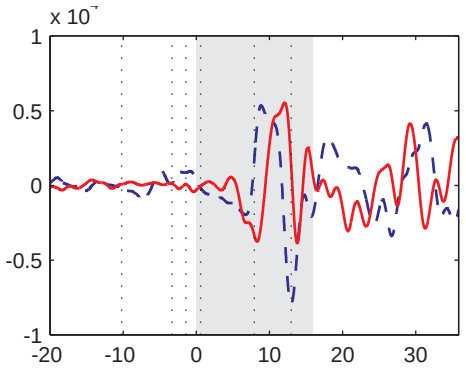
Quality: **good** IsNull: **No** Phase: **SKS**



Inc = **11.1”**



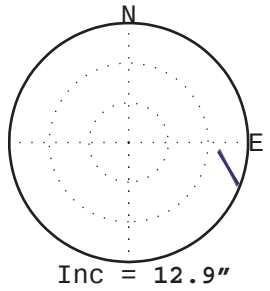


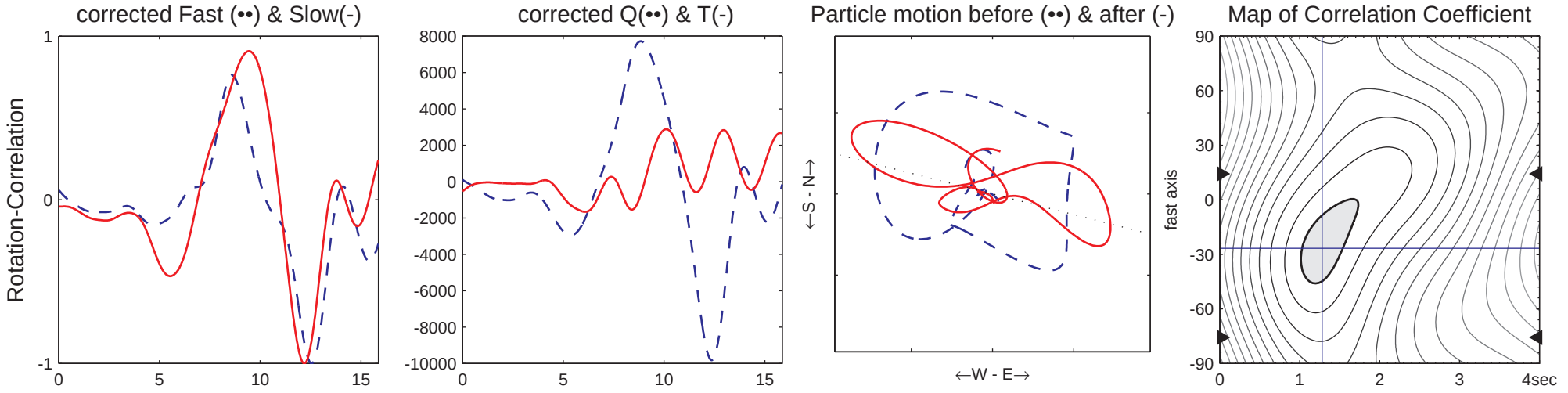


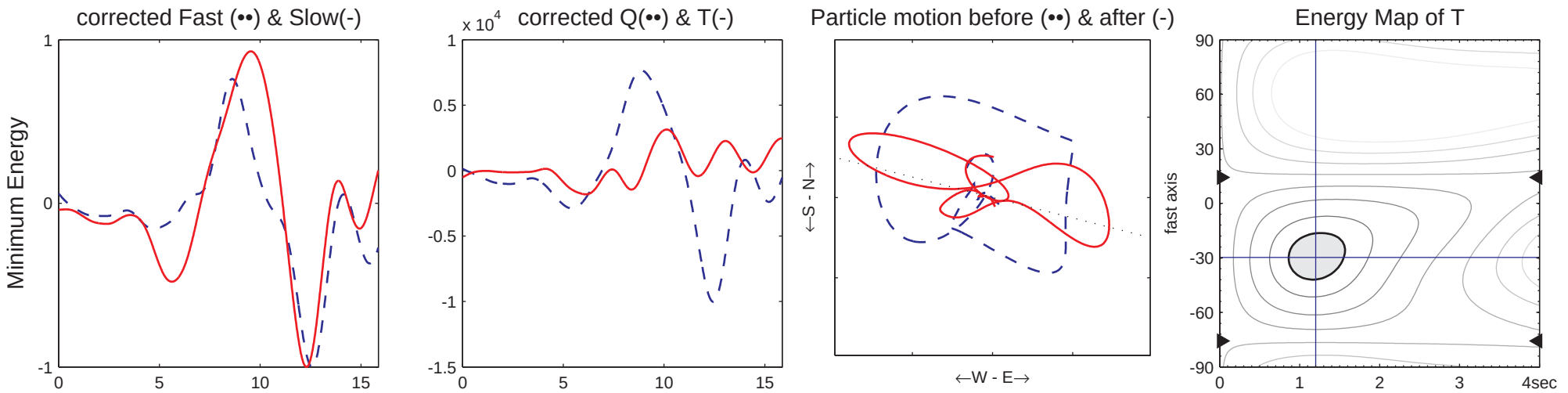
Event: **28-Nov-2009 (332) 06:04 -10.40N 118.89E 15km Mw=6.0**
Station: **URFA** Backazimuth: **104.3”** Distance: **88.57”**
init.Pol.: **282.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.1**

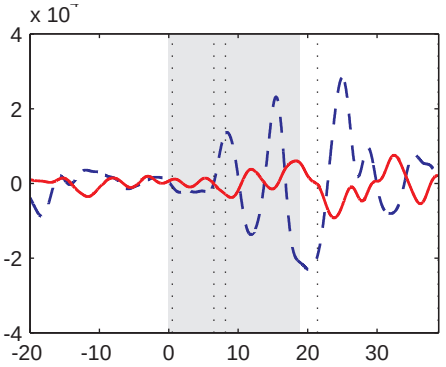
Rotation Correlation:	-47<	-27° <	-1	1.0<1.3s<1.7
Minimum Energy:	-43<	-30° <	-19	0.9<1.2s<1.6
Eigenvalue:	-64<	-32° <	1	0.9<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKKS**





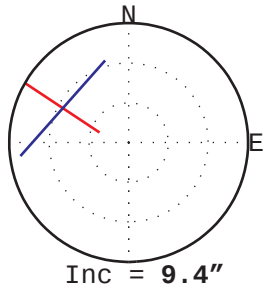


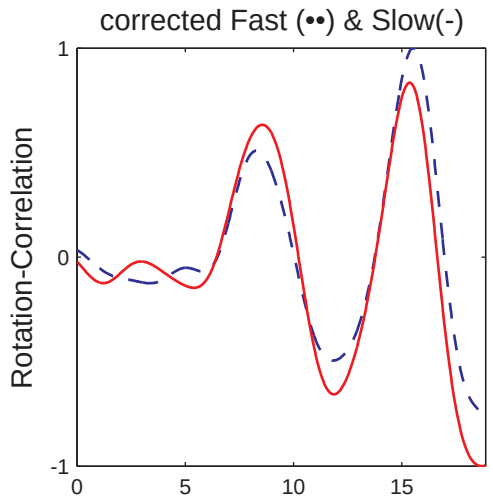


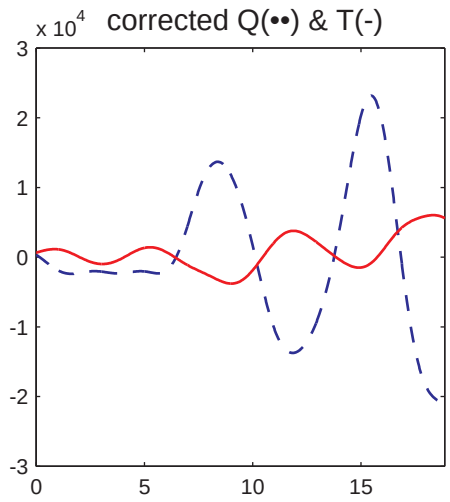
Event: **12-Jan-2010 (012) 21:53 18.44N -72.57E 13km Mw=7.0**
Station: **URFA** Backazimuth: **297.6”** Distance: **94.73”**
init.Pol.: **136.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **7.3**

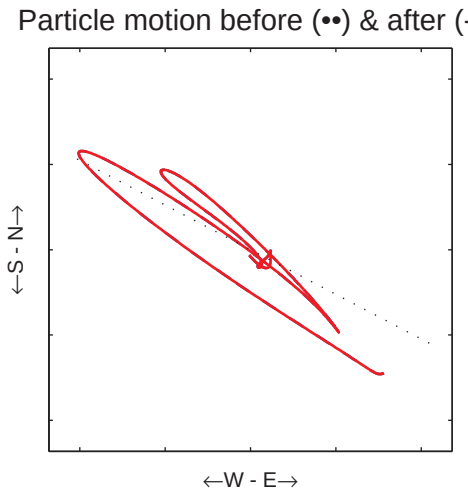
Rotation Correlation:	64<	84° < -77	0.0<0.0s<0.2
Minimum Energy:	-64<	-56° < -56	1.4<2.8s<3.9
Eigenvalue:	-Inf<	42° < Inf	0.0<4.0s<Inf

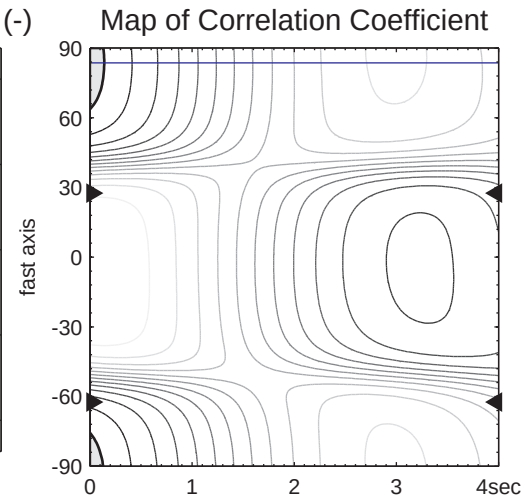
Quality: **good** IsNull: **Yes** Phase: **SKS**

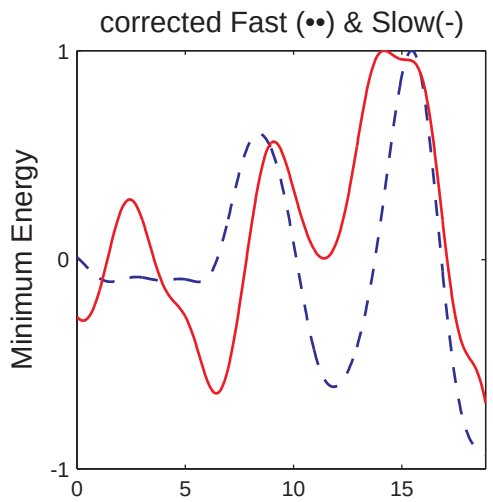


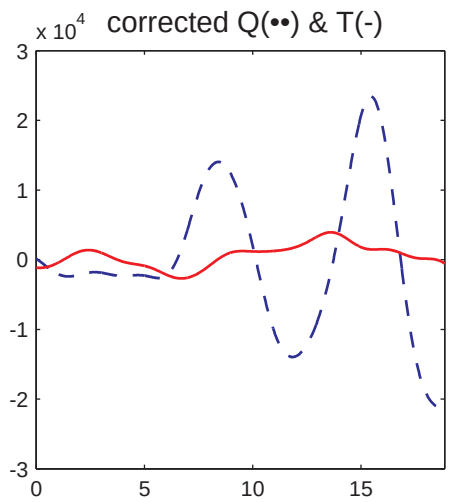


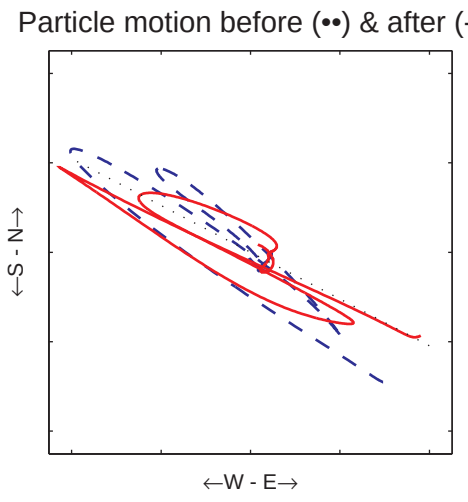


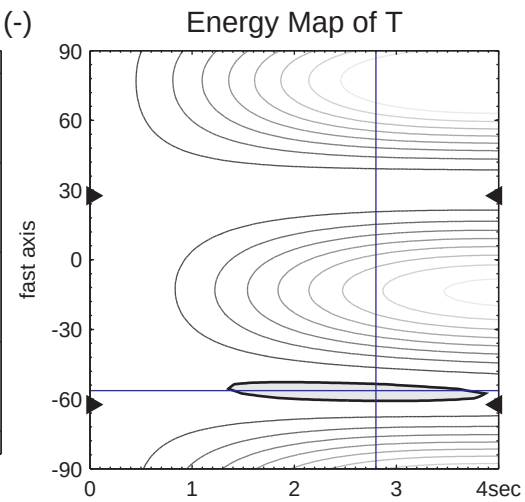


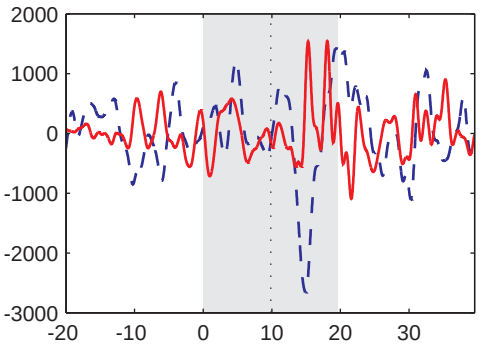








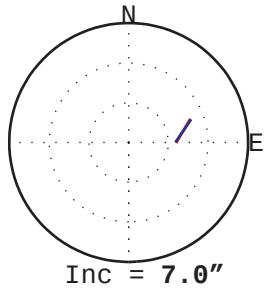


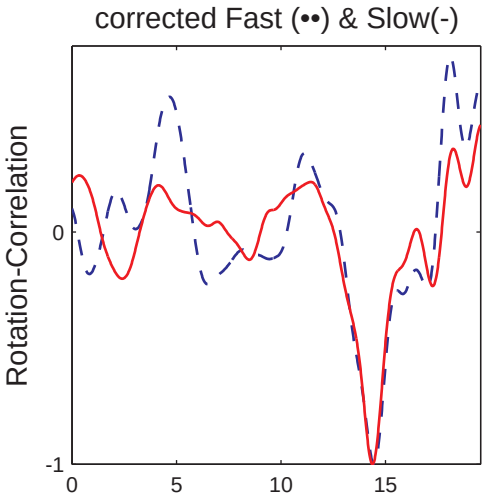


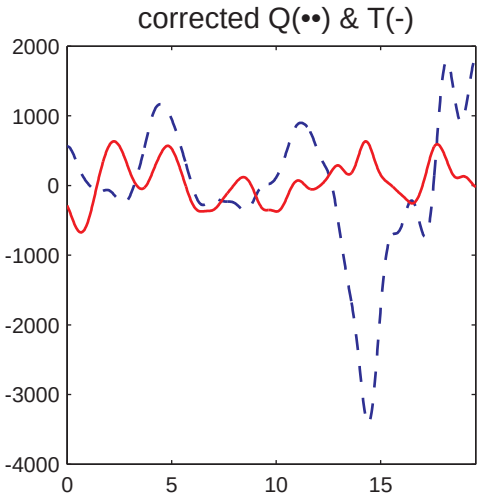
Event: **20-Mar-2010 (079) 14:00 -3.36N 152.25E 414km Mw=6.6**
Station: **URFA** Backazimuth: **78.0”** Distance: **110.53”**
init.Pol.: **260.9”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

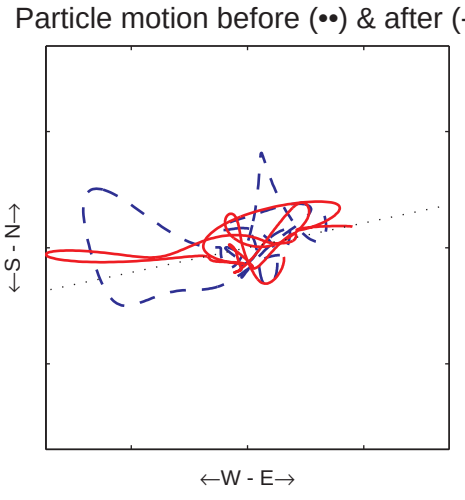
Rotation Correlation:	29<	34° <	40	0.7<0.8s<0.9
Minimum Energy:	19<	30° <	41	0.7<0.9s<1.0
Eigenvalue:	19<	34° <	48	0.7<0.9s<1.0

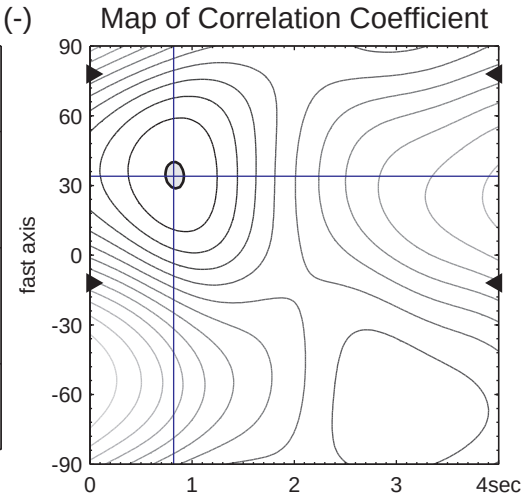
Quality: **good** IsNull: **No** Phase: **SKS**

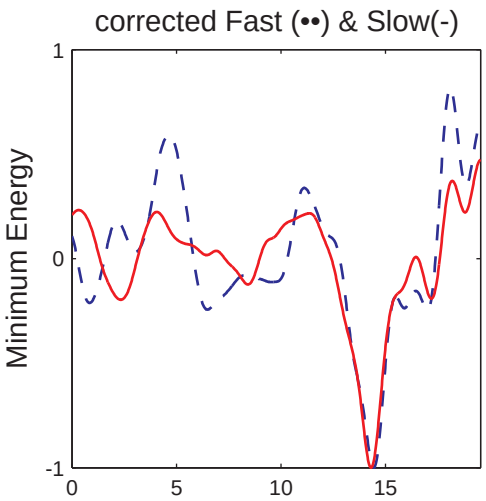


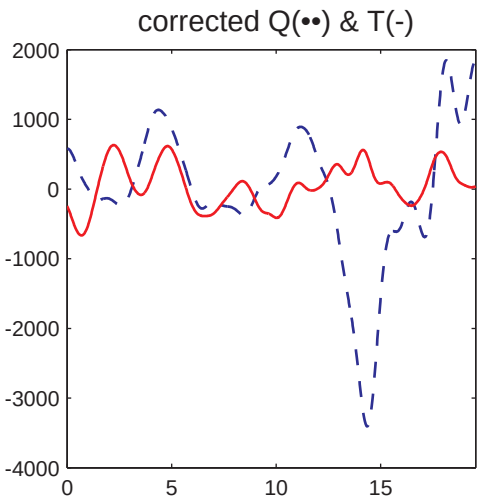


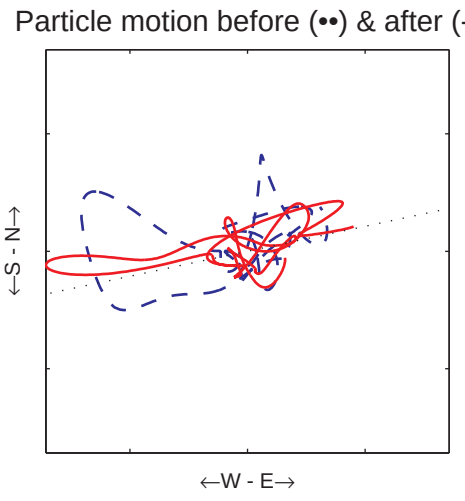


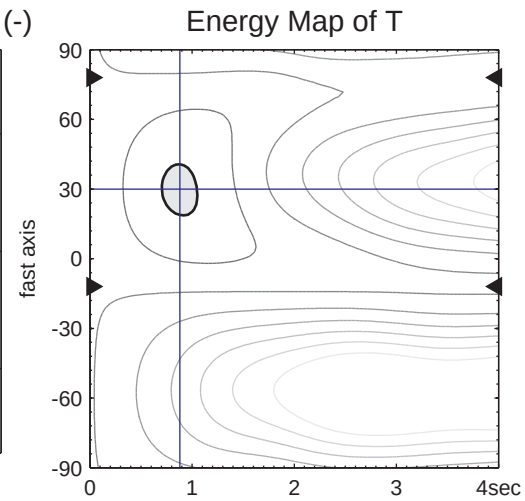


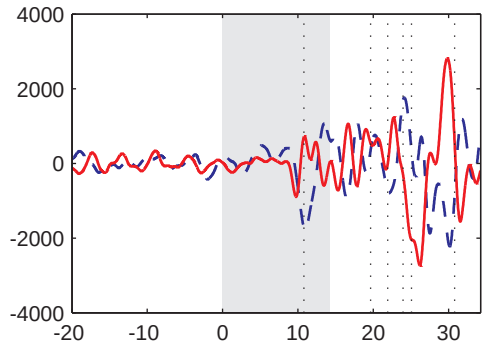








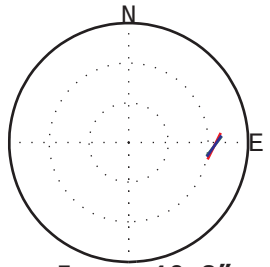




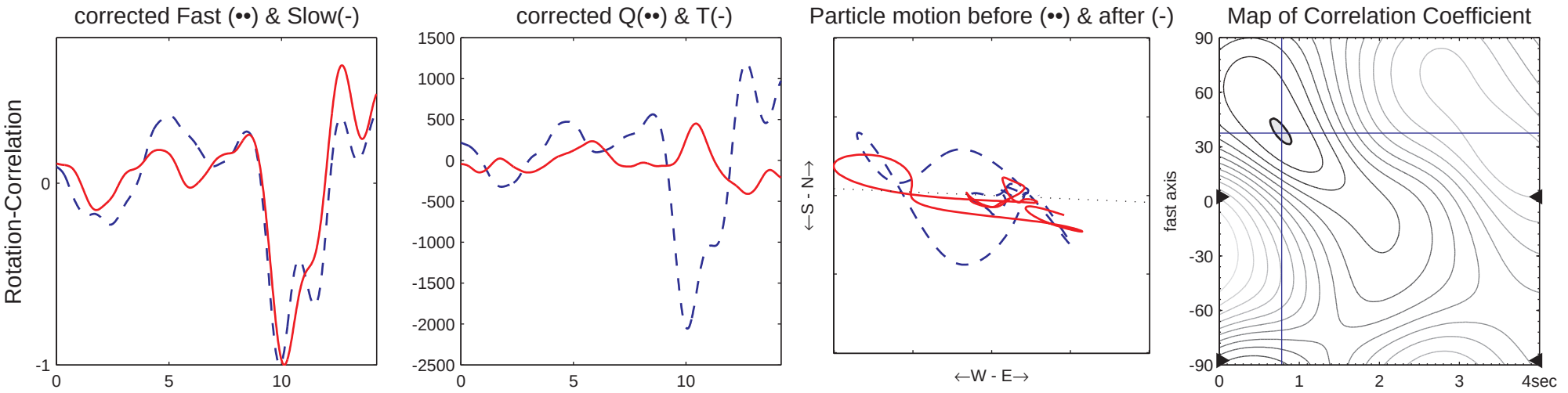
Event: **05-Apr-2010 (095) 10:05 -0.18N 125.01E 25km Mw=6.2**
Station: **URFA** Backazimuth: **92.5”** Distance: **87.09”**
init.Pol.: **280.2”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.9**

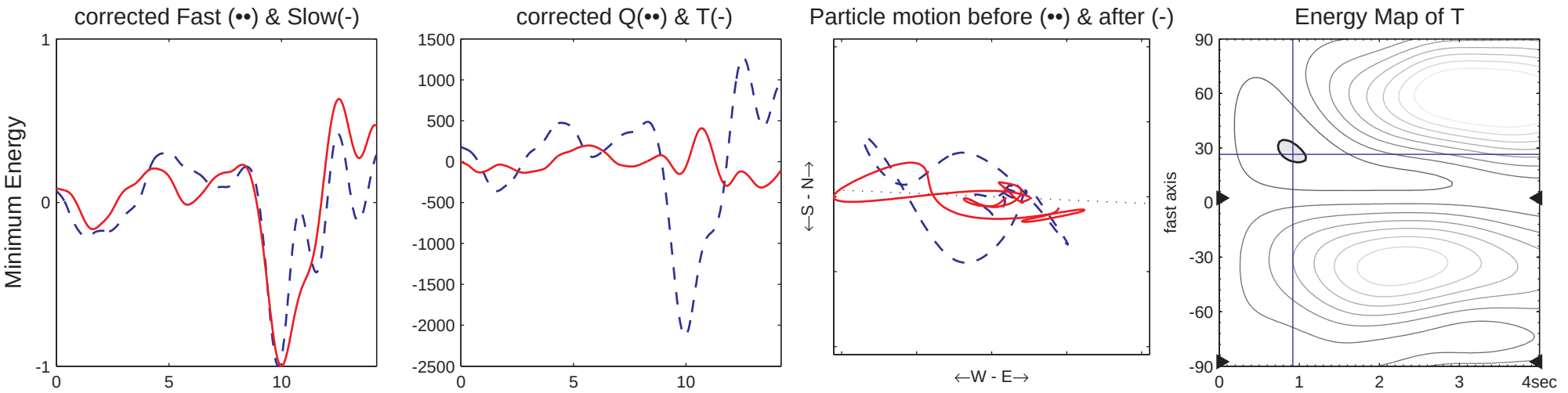
Rotation Correlation:	32<	37° <	46	0.6<0.8s<0.9
Minimum Energy:	21<	26° <	35	0.7<0.9s<1.1
Eigenvalue:	27<	34° <	43	0.7<0.8s<1.0

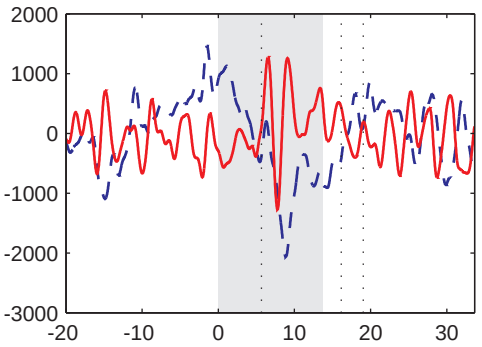
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.8”**



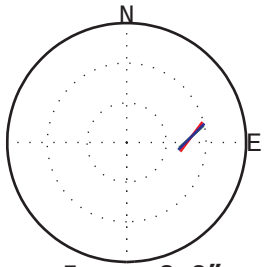




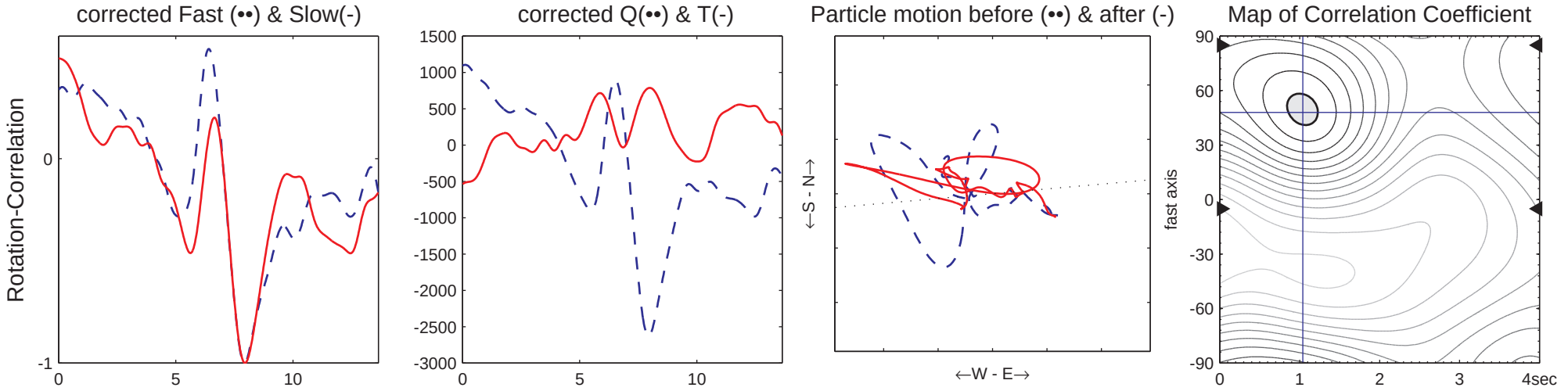
Event: **07-Apr-2010 (097) 14:33 -3.76N 141.94E 23km Mw=6.0**
Station: **URFA** Backazimuth: **85.0”** Distance: **102.69”**
init.Pol.: **277.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.1**

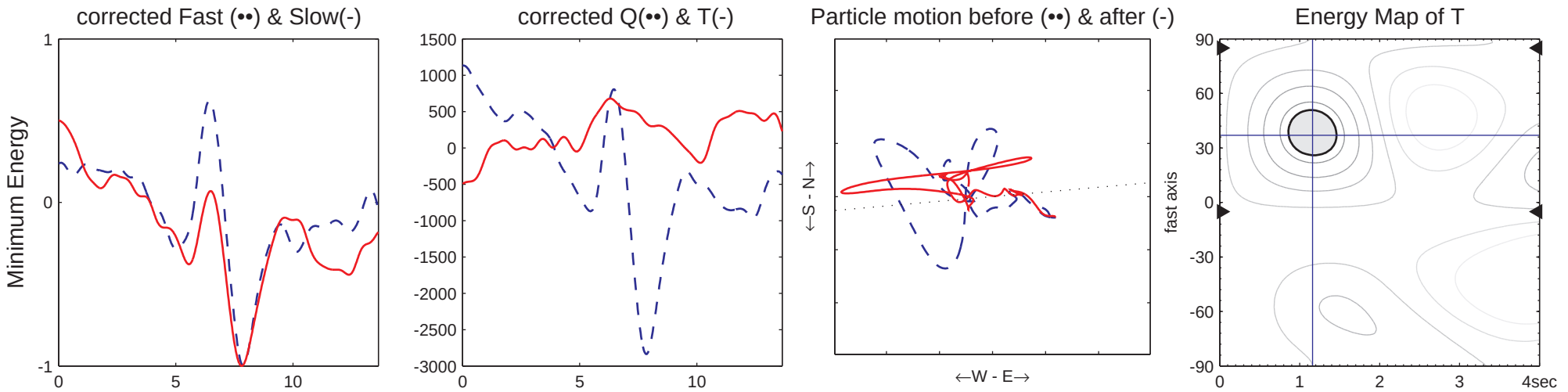
Rotation Correlation:	41<	48° <	58	0.8<1.0s<1.2
Minimum Energy:	25<	37° <	52	0.8<1.2s<1.5
Eigenvalue:	37<	45° <	56	1.0<1.2s<1.4

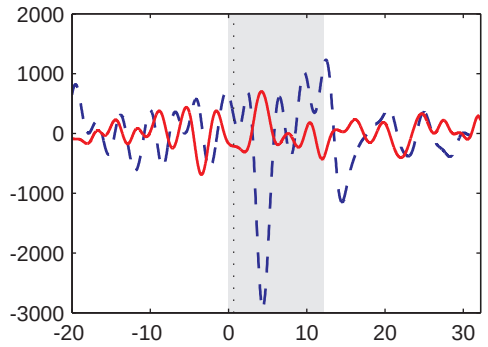
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **8.2”**



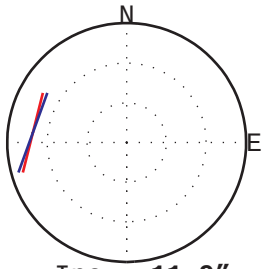




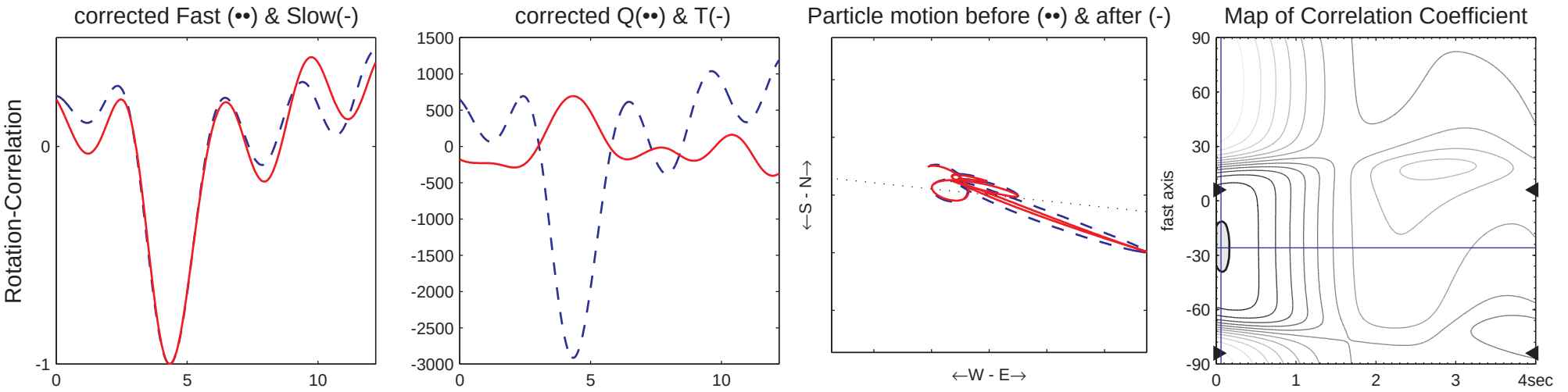
Event: **24-May-2010 (144) 16:18 -8.09N -71.56E 581km Mw=6.5**
Station: **URFA** Backazimuth: **276.0”** Distance: **111.06”**
init.Pol.: **105.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.7**

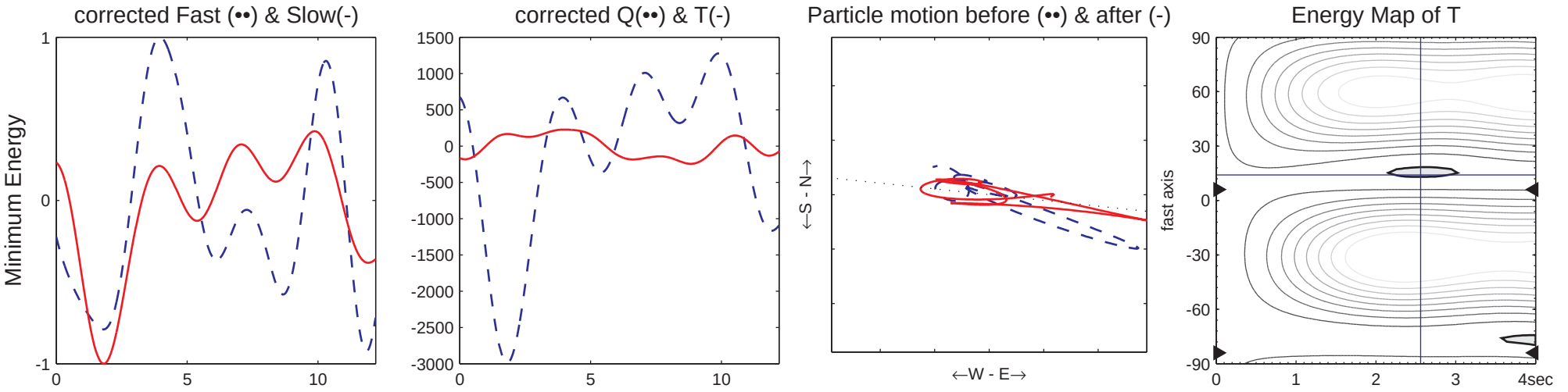
Rotation Correlation:	-40<	-26° <	-13	0.0<0.1s<0.2
Minimum Energy:	13<	14° <	19	2.2<2.6s<3.0
Eigenvalue:	17<	20° <	23	2.2<2.6s<3.1

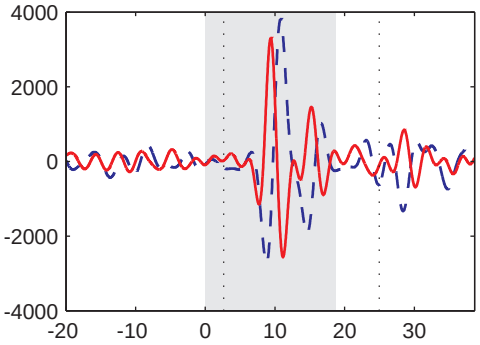
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **11.9”**



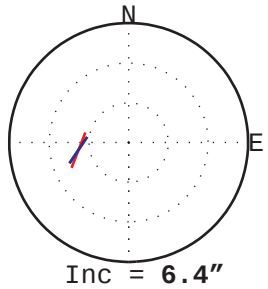


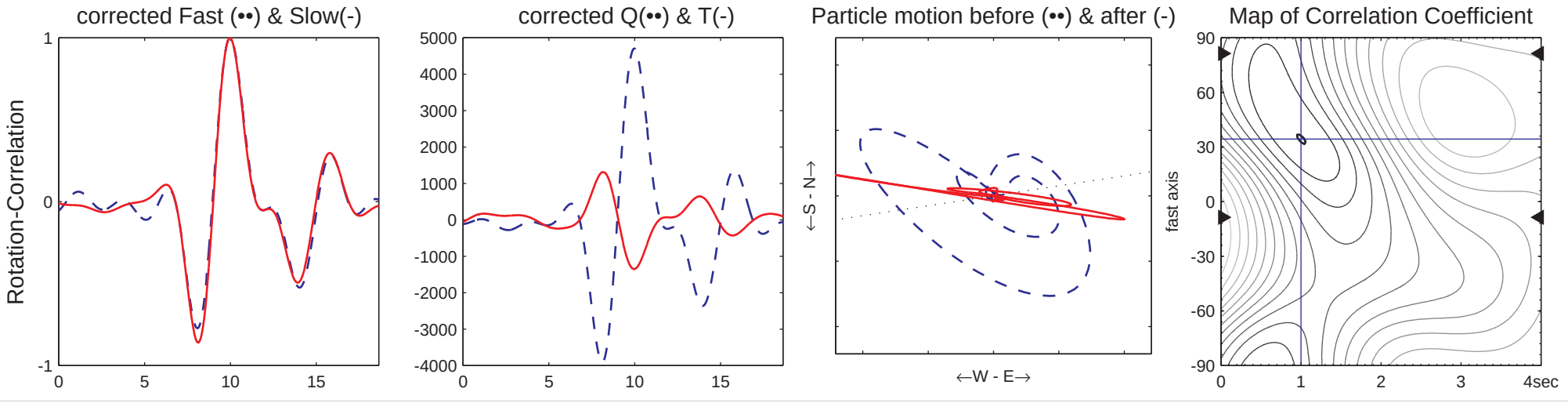


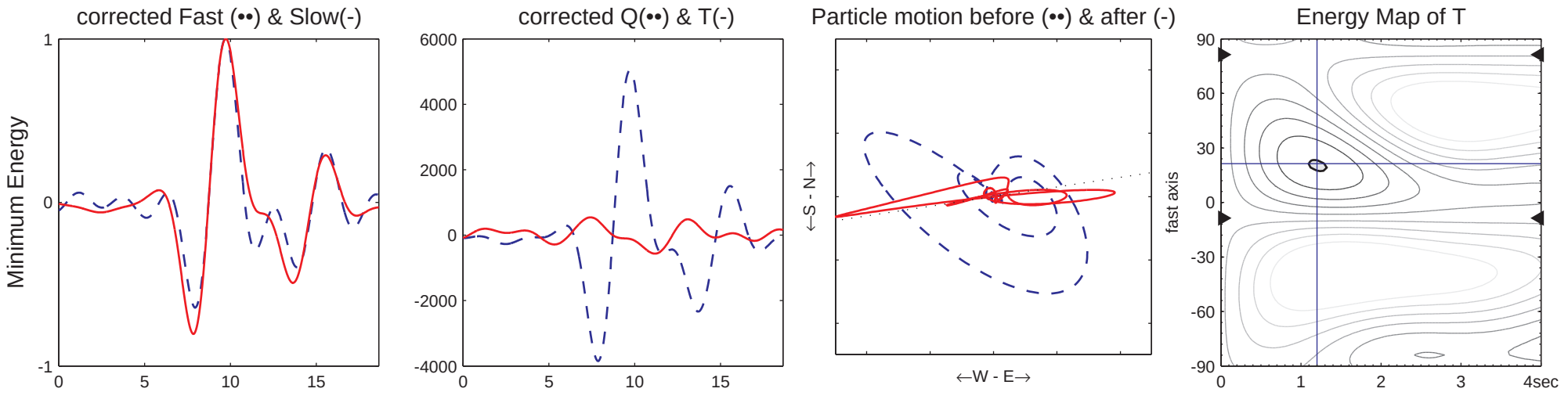
Event: **12-Jul-2010 (193) 00:11 -22.15N -68.22E 115km Mw=6.3**
Station: **URFA** Backazimuth: **261.4”** Distance: **116.40”**
init.Pol.: **97.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**10.3**

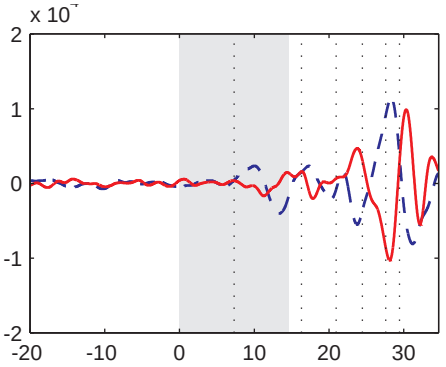
Rotation Correlation:	32<	34° <	37	1.0<1.0s<1.0
Minimum Energy:	17<	21° <	23	1.1<1.2s<1.3
Eigenvalue:	31<	33° <	35	1.0<1.0s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





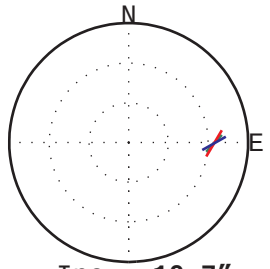




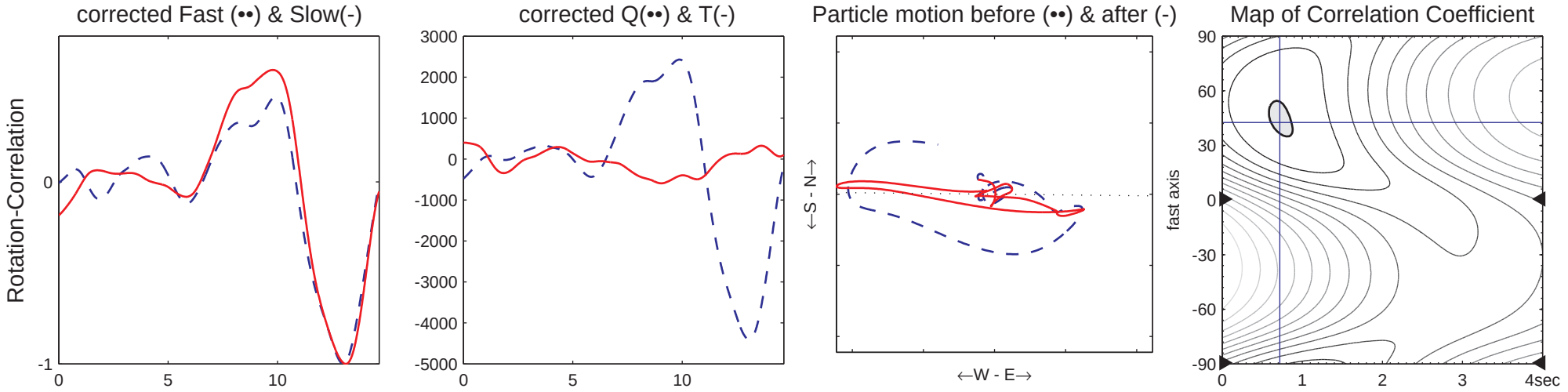
Event: **03-Aug-2010 (215) 12:08 1.24N 126.21E 41km Mw=6.3**
Station: **URFA** Backazimuth: **90.6”** Distance: **87.18”**
init.Pol.: **280.3”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **8.8**

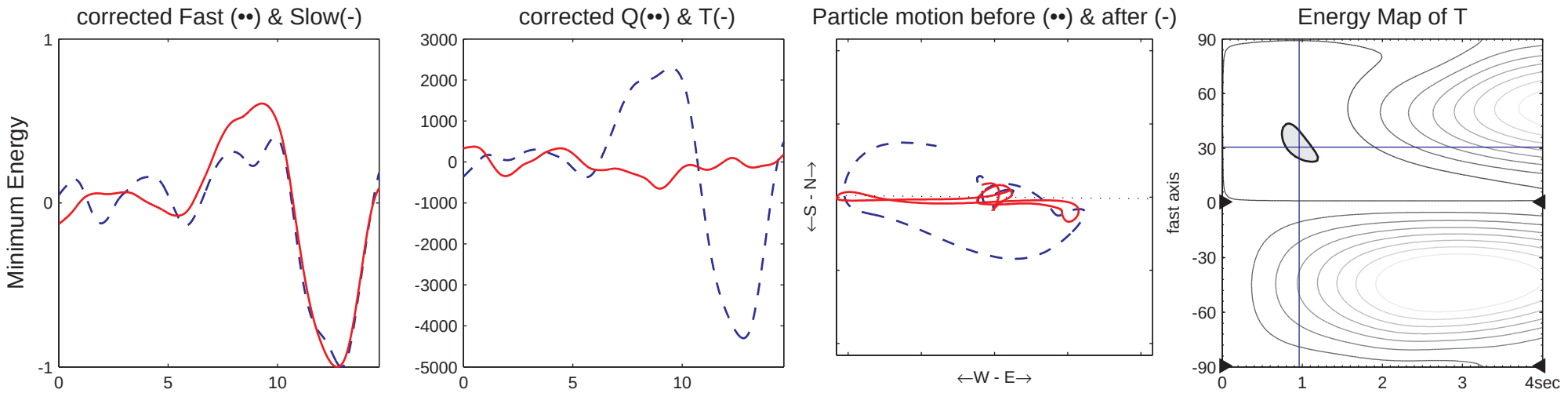
Rotation Correlation:	35<	43° <	55	0.6<0.7s<0.9
Minimum Energy:	23<	31° <	43	0.8<1.0s<1.2
Eigenvalue:	41<	61° <	76	0.7<0.8s<1.0

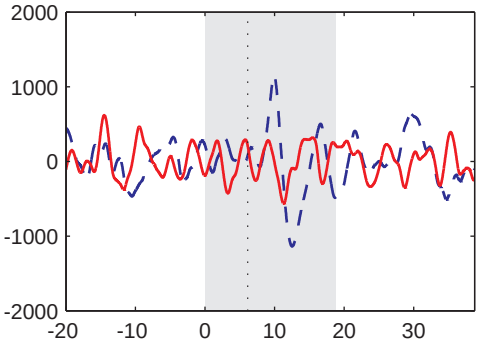
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **10.7”**



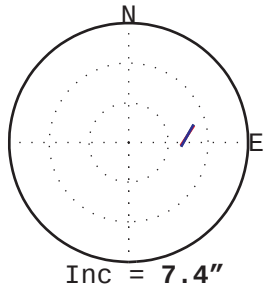


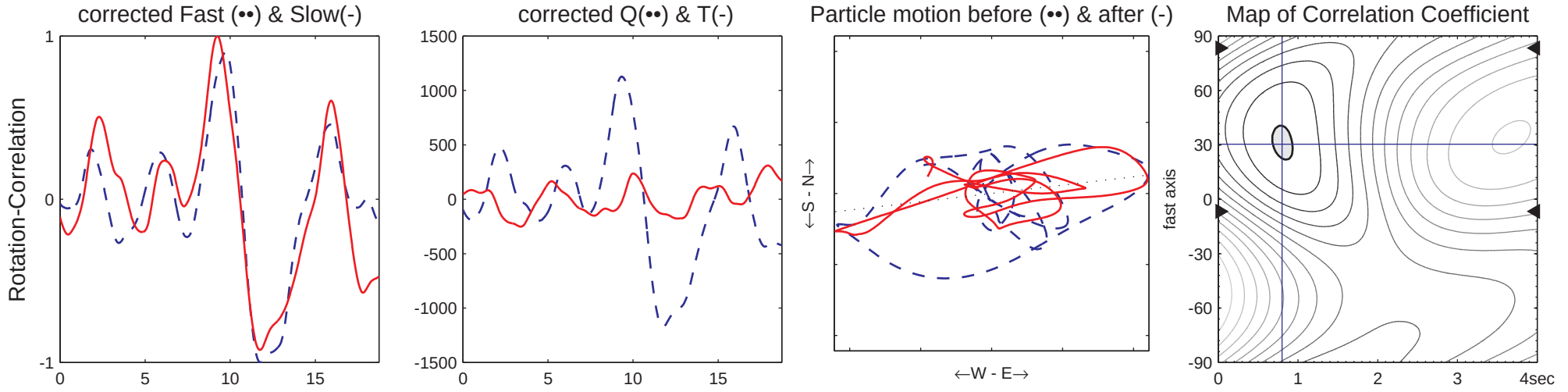


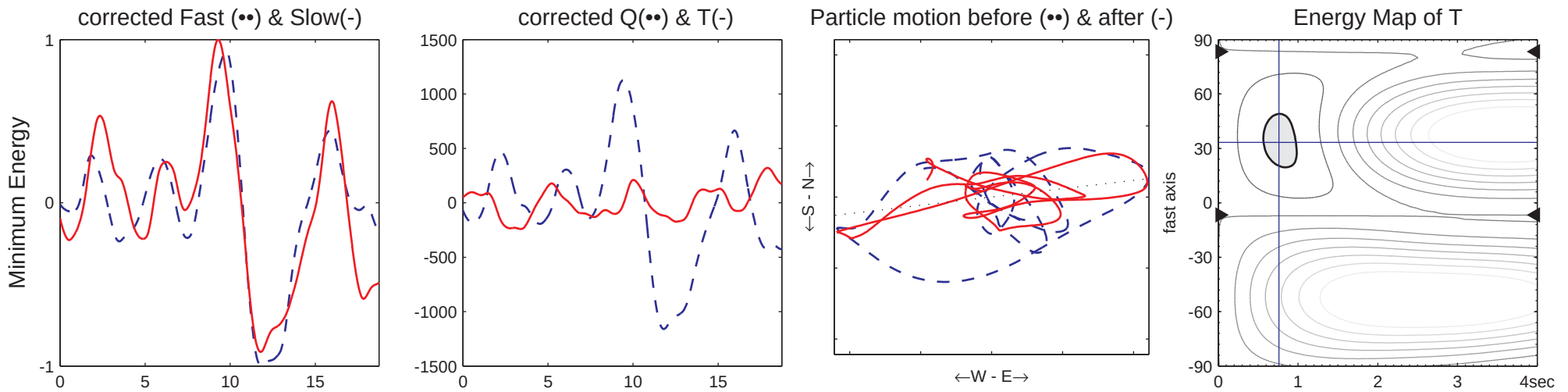
Event: **04-Aug-2010 (216) 07:15 -5.49N 146.82E 220km Mw=6.5**
Station: **URFA** Backazimuth: **83.3”** Distance: **107.60”**
init.Pol.: **261.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.2**

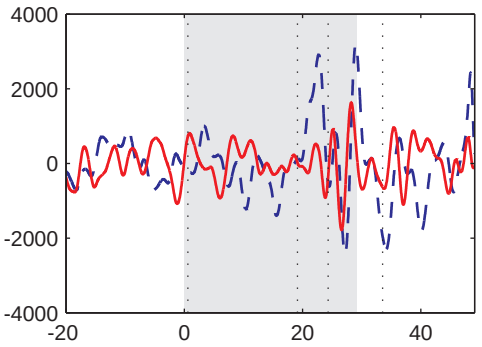
Rotation Correlation:	22<	30° <	41	0.7<0.8s<0.9
Minimum Energy:	19<	33° <	50	0.6<0.8s<1.0
Eigenvalue:	11<	29° <	54	0.6<0.8s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





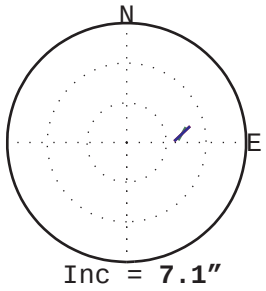


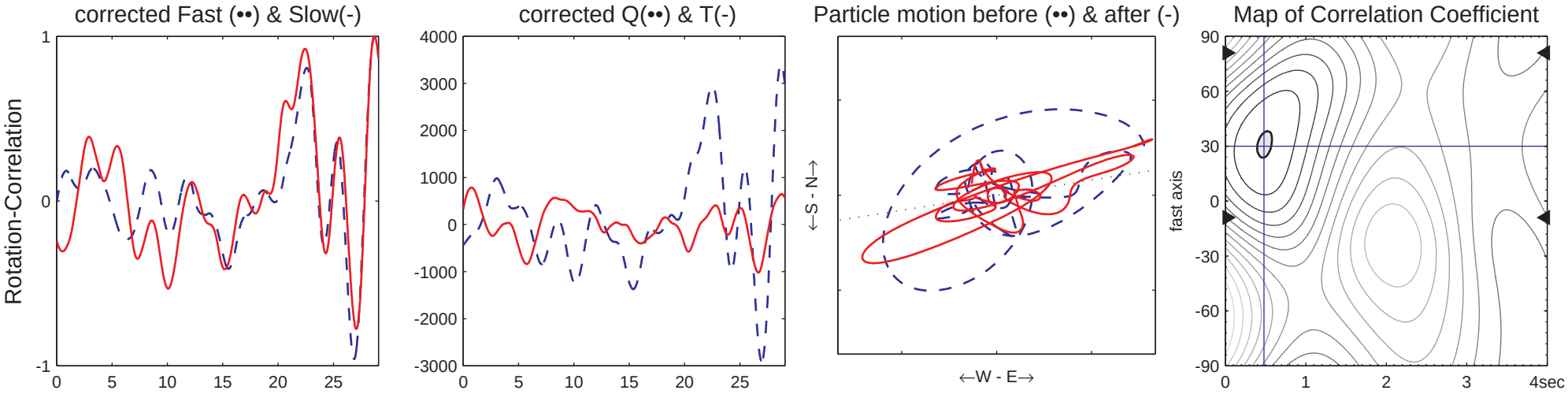


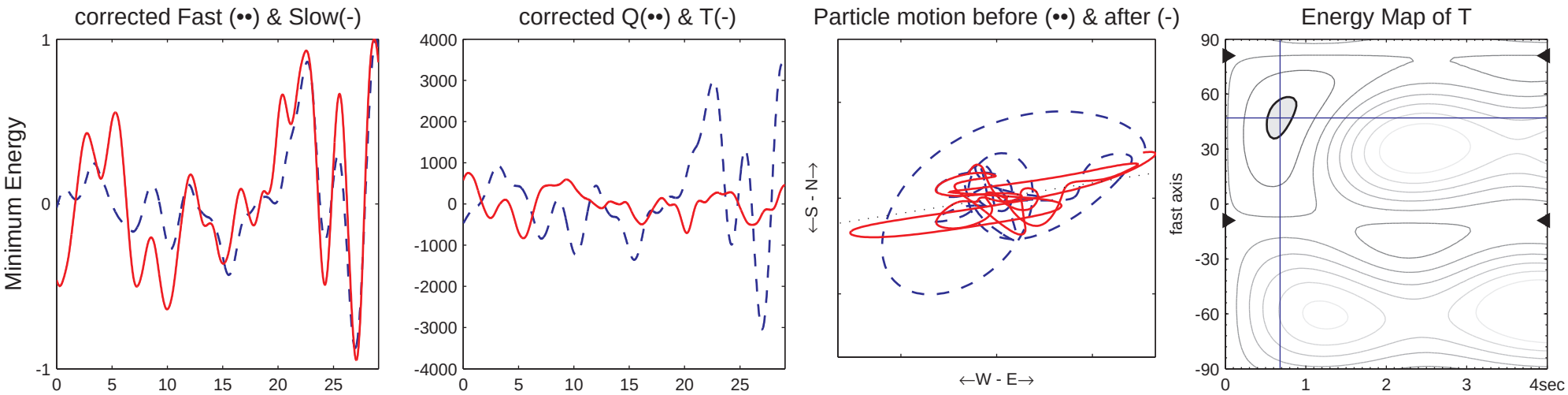
Event: **04-Aug-2010 (216) 22:01 -5.75N 150.76E 44km Mw=7.0**
Station: **URFA** Backazimuth: **81.0”** Distance: **110.86”**
init.Pol.: **260.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.9**

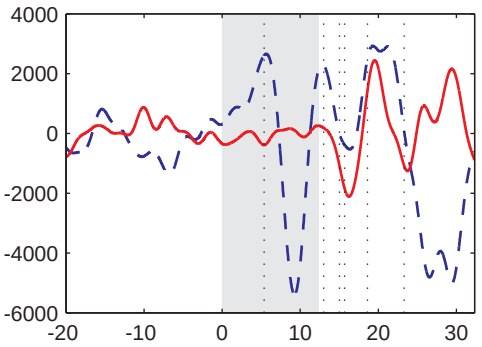
Rotation Correlation:	24<	30° <	39	0.4<0.5s<0.6
Minimum Energy:	35<	47° <	58	0.5<0.7s<0.9
Eigenvalue:	25<	47° <	62	0.5<0.7s<0.9

Quality: **fair** IsNull: **No** Phase: **SKS**





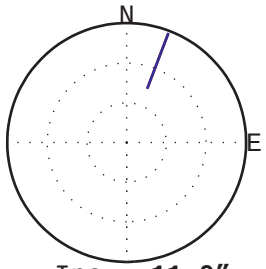




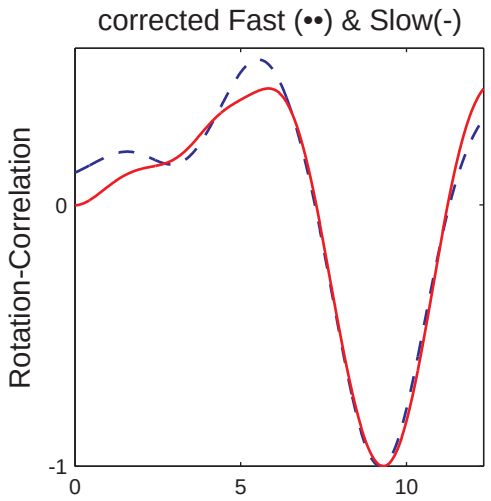
Event: **03-Sep-2010 (246) 11:16 51.45N -175.87E 23km Mw=6.5**
Station: **URFA** Backazimuth: **20.8”** Distance: **86.07”**
init.Pol.: **201.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**16.3**

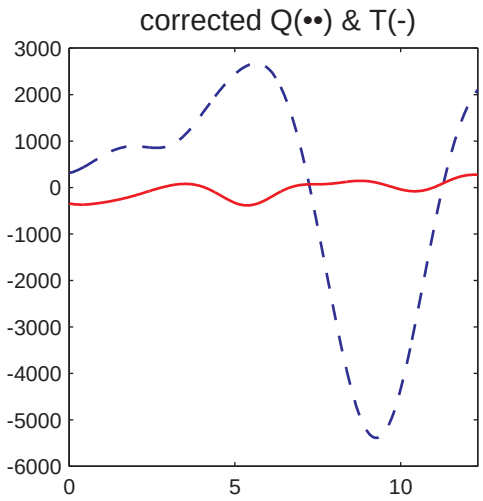
Rotation Correlation:	51<	68° <	87	0.0<0.0s<0.2
Minimum Energy:	19<	21° <	31	0.1<1.8s<2.4
Eigenvalue:	-Inf<	21° <	Inf	0.0<1.9s<Inf

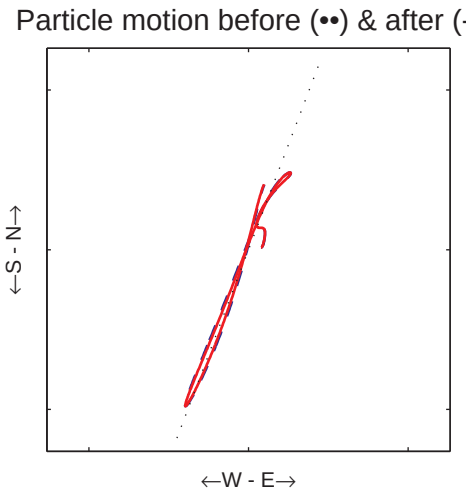
Quality: **good** IsNull: **Yes** Phase: **SKS**

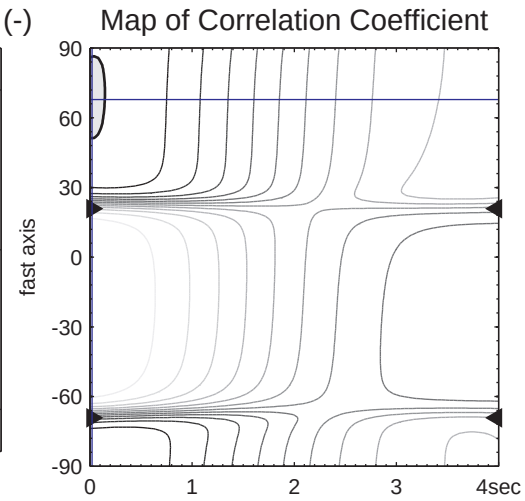


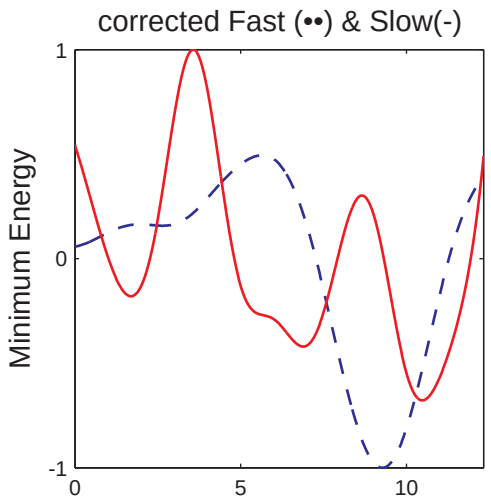
Inc = **11.0”**

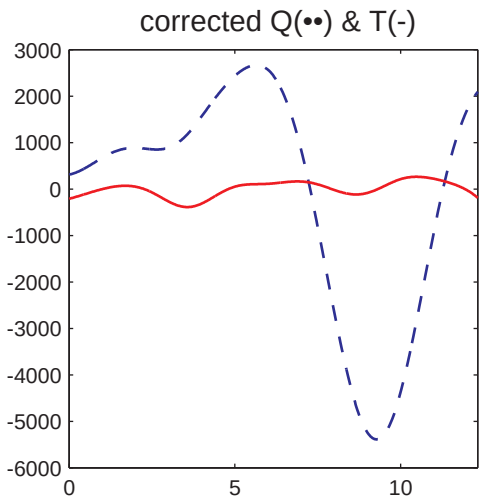


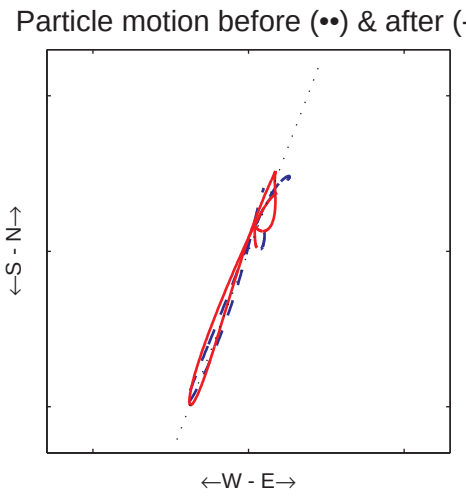


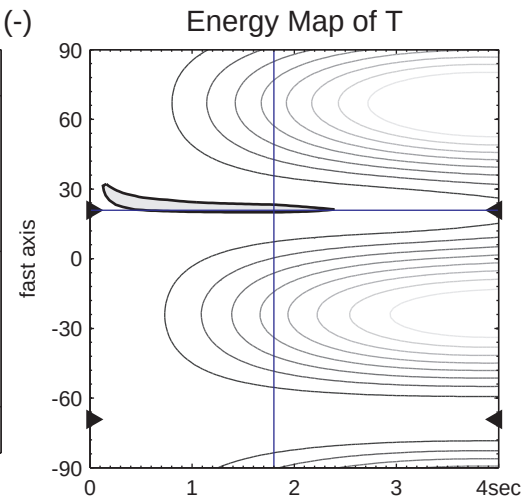


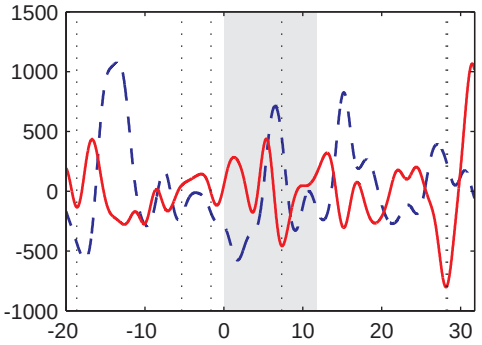








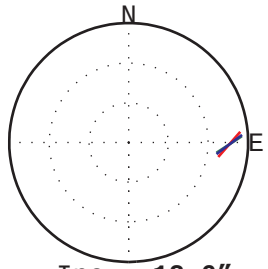




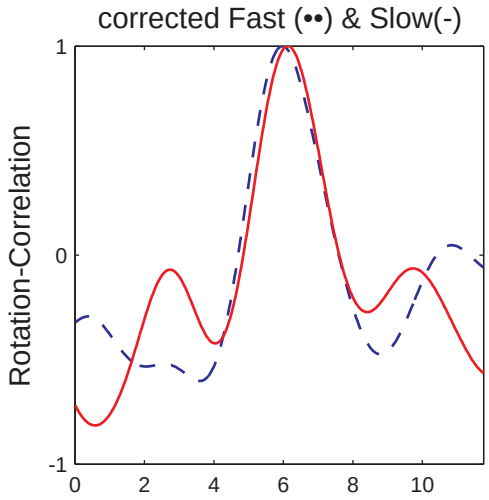
Event: **26-Sep-2010 (269) 12:12 -5.31N 133.92E 30km Mw=6.0**
Station: **URFA** Backazimuth: **91.1”** Distance: **97.27”**
init.Pol.: **282.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

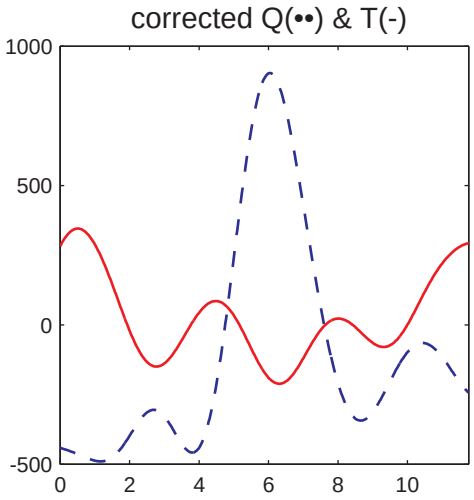
Rotation Correlation:	44<	57° <	73	0.6<0.9s<1.2
Minimum Energy:	23<	41° <	62	0.6<1.0s<1.5
Eigenvalue:	29<	53° <	82	0.6<1.0s<1.4

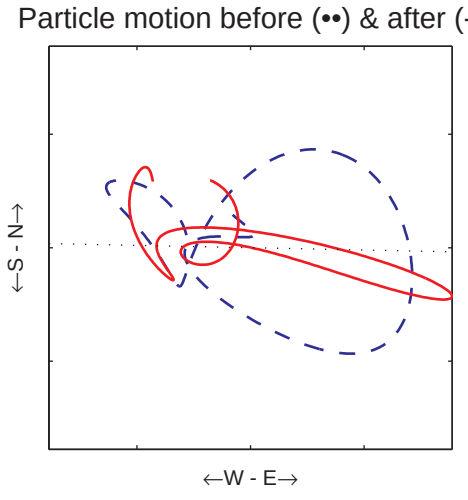
Quality: **fair** IsNull: **No** Phase: **SKKS**

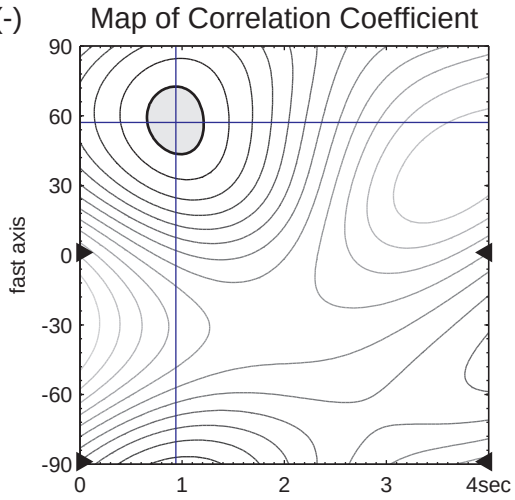


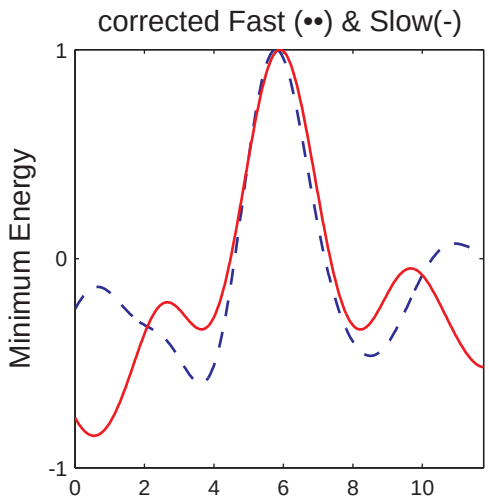
Inc = **12.6”**

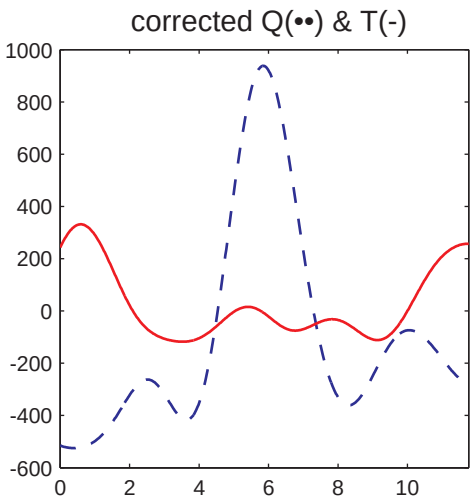


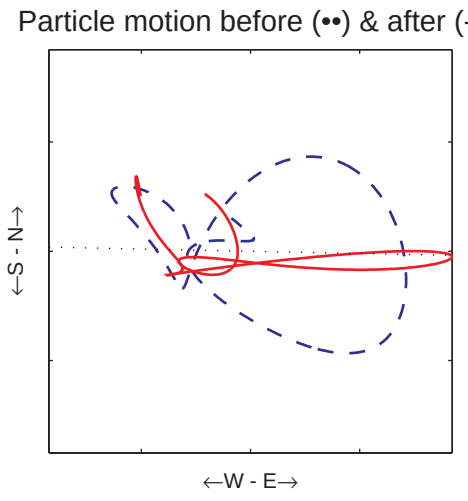


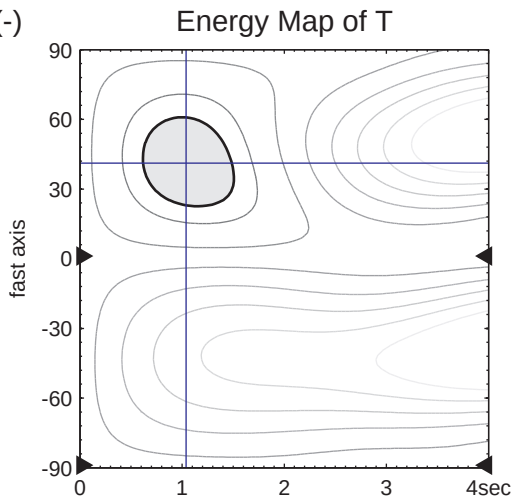


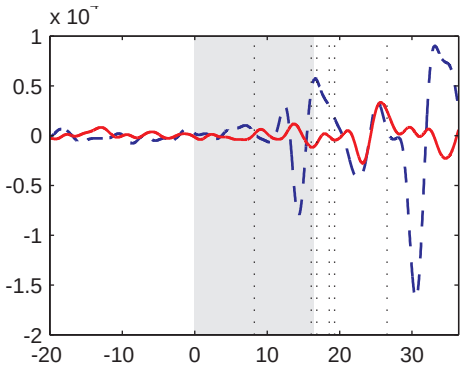








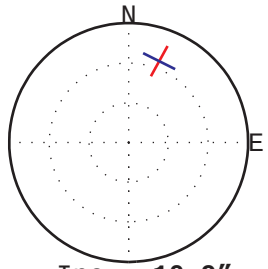




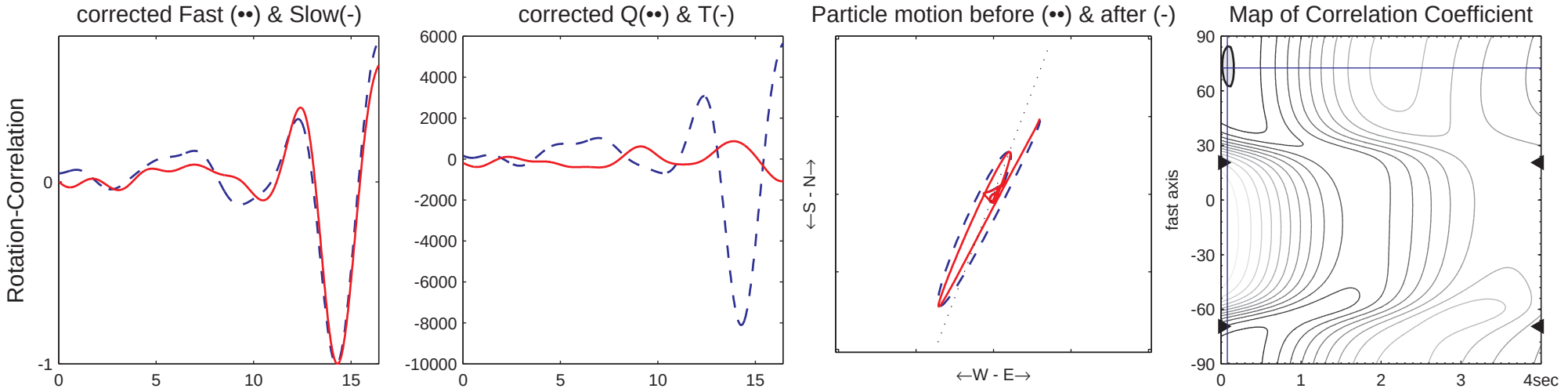
Event: **08-Oct-2010 (281) 03:26 51.37N -175.36E 19km Mw=6.4**
Station: **URFA** Backazimuth: **20.6”** Distance: **86.28”**
init.Pol.: **213.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**15.1**

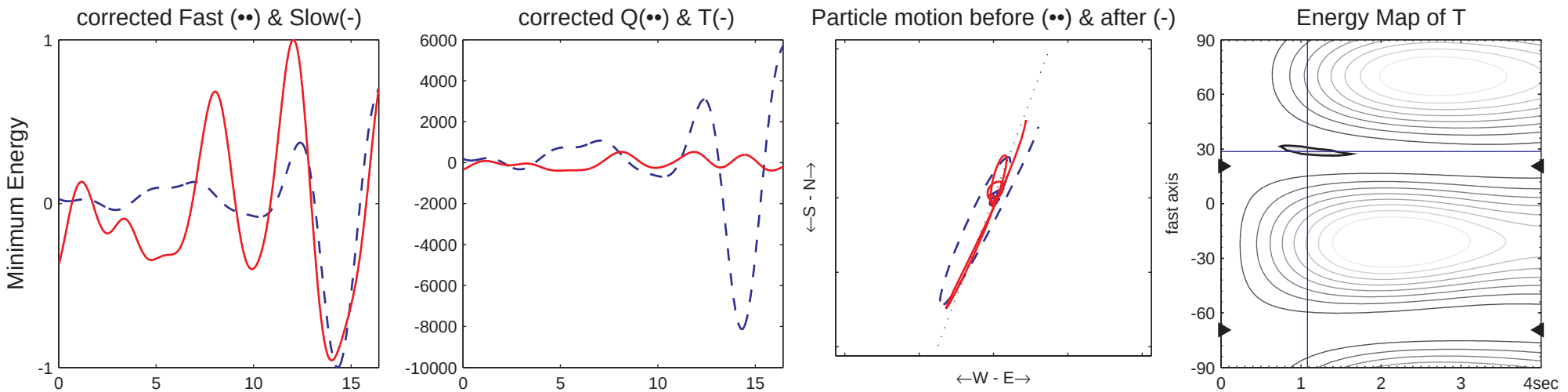
Rotation Correlation:	63<	73° <	84	0.0<0.1s<0.2
Minimum Energy:	27<	29° <	31	0.8<1.1s<1.6
Eigenvalue:	-70<	-63° <	-62	0.7<1.1s<1.4

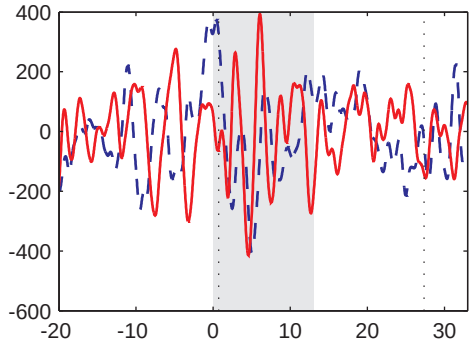
Quality: **good** IsNull: **Yes** Phase: **SKS**



Inc = **10.9”**



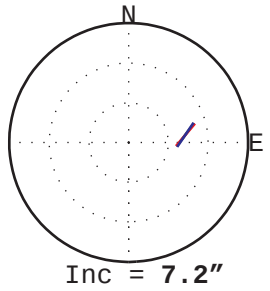


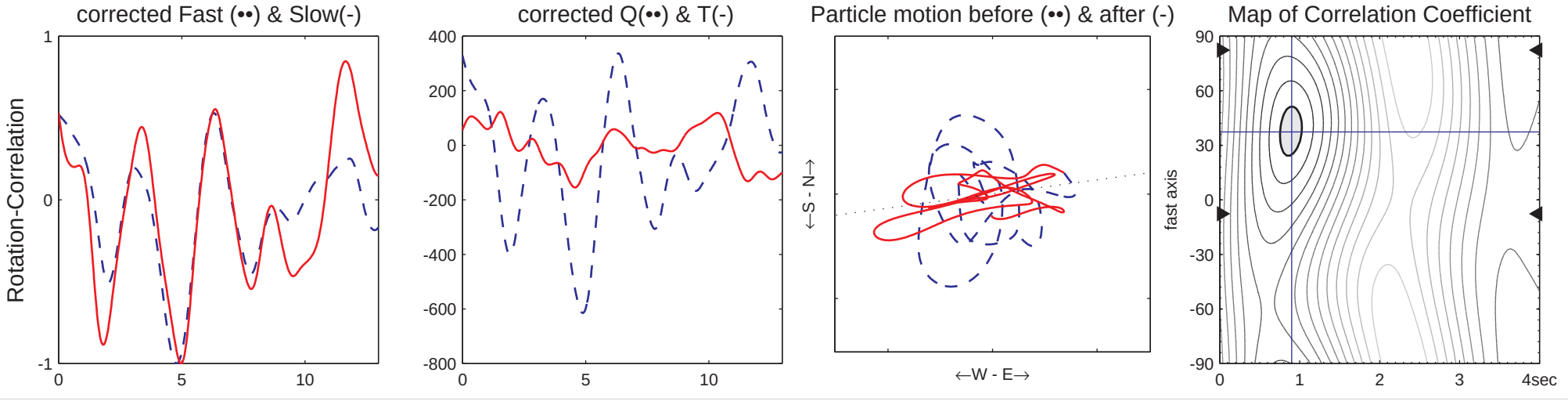


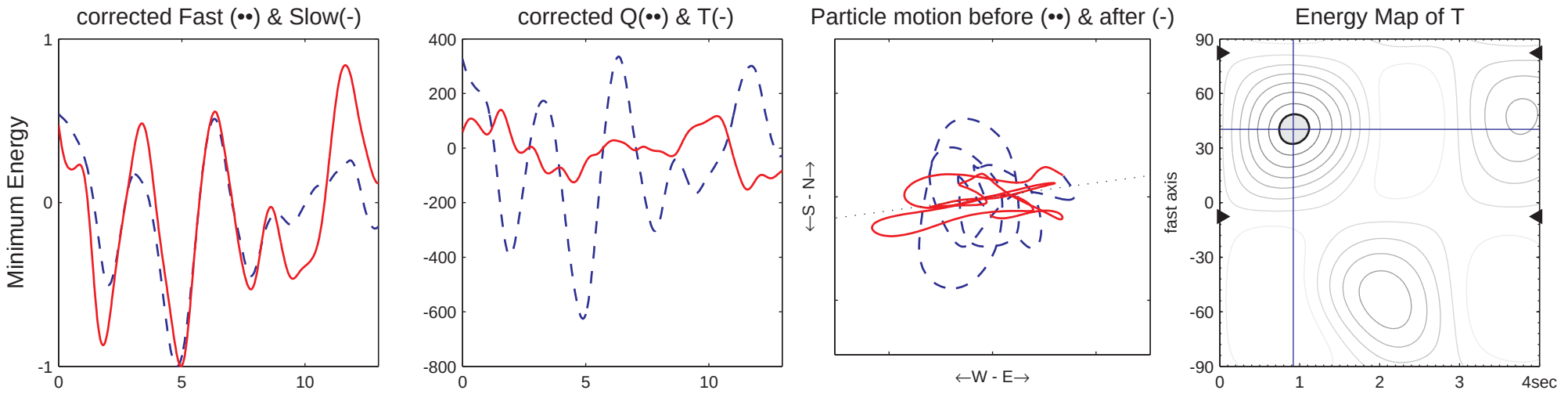
Event: **23-Nov-2010 (327) 09:01 -5.96N 148.97E 68km Mw=6.1**
Station: **URFA** Backazimuth: **82.3”** Distance: **109.58”**
init.Pol.: **255.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **4.1**

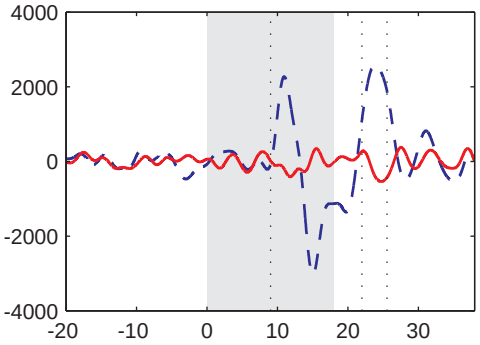
Rotation Correlation:	25<	37° <	51	0.8<0.9s<1.0
Minimum Energy:	31<	40° <	50	0.8<0.9s<1.1
Eigenvalue:	15<	34° <	56	0.7<0.9s<1.1

Quality: **good** IsNull: **No** Phase: **SKS**





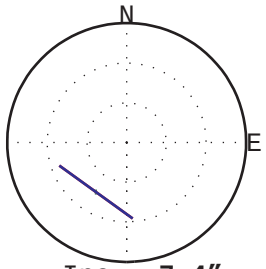




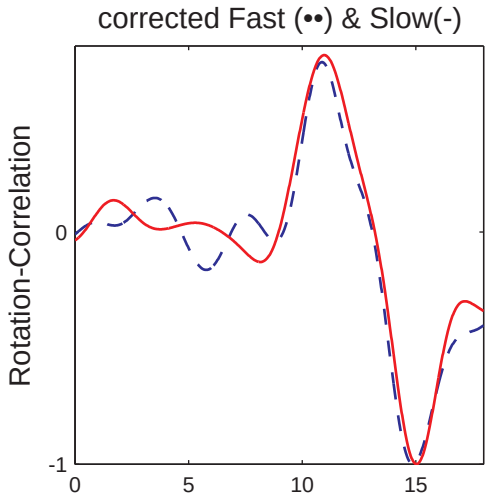
Event: **08-Dec-2010 (342) 05:24 -56.41N -25.74E 29km Mw=6.3**
Station: **URFA** Backazimuth: **211.8”** Distance: **108.53”**
init.Pol.: **31.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**11.7**

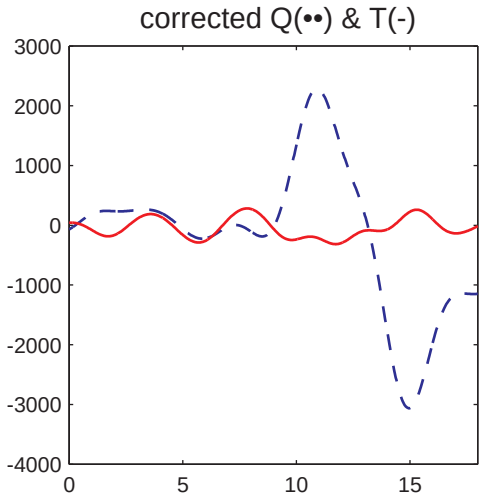
Rotation Correlation:	-20<	-9° < 1	0.0<0.2s<0.3
Minimum Energy:	-60<	-54° < -56	1.9<2.8s<3.5
Eigenvalue:	-60<	-54° < -54	1.8<2.8s<3.4

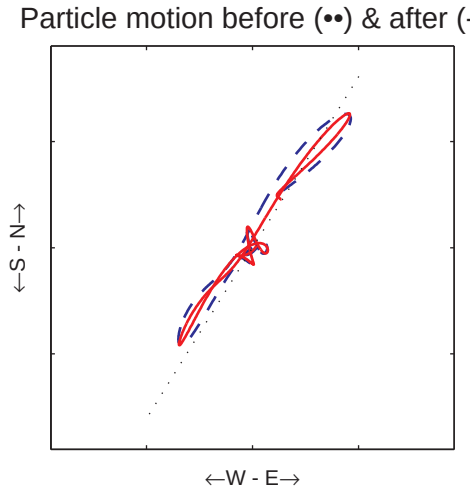
Quality: **good** IsNull: **Yes** Phase: **SKS**

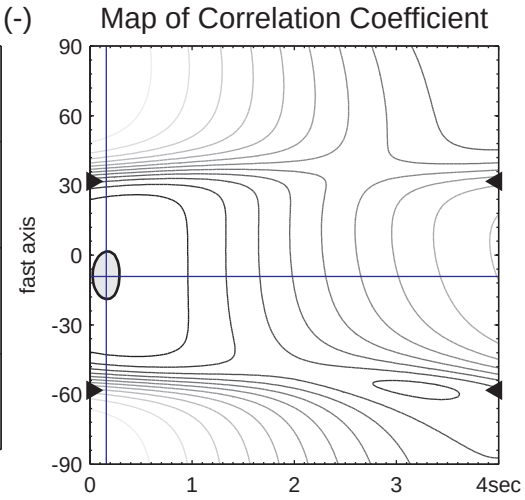


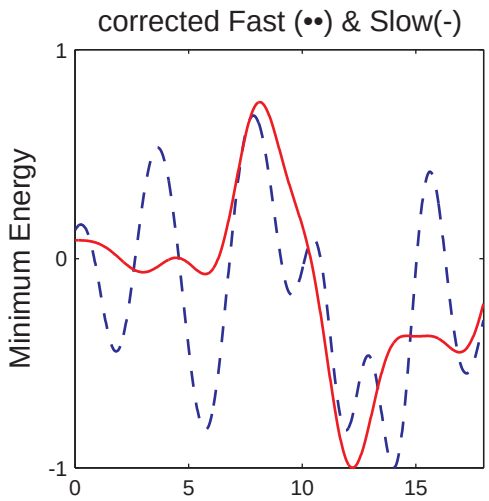
Inc = **7.4”**

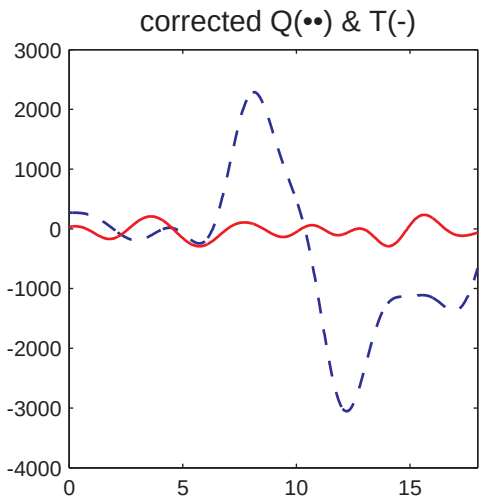


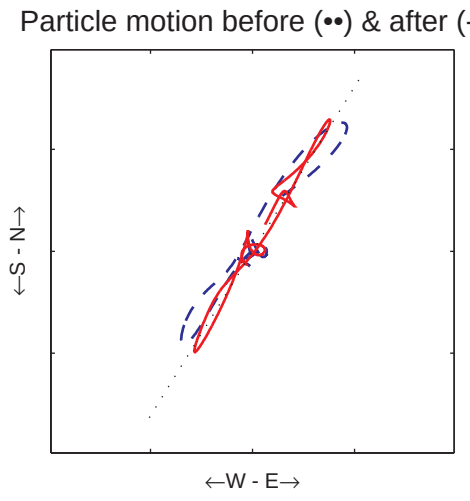


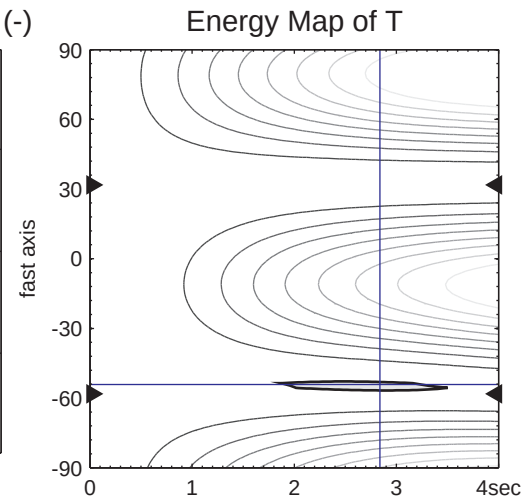


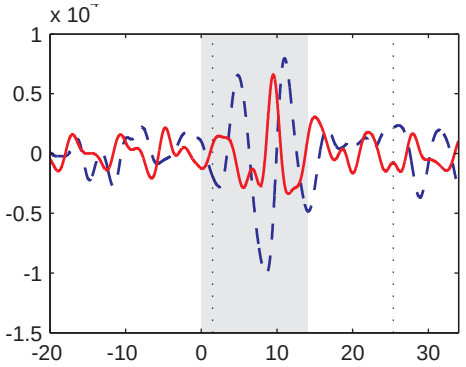








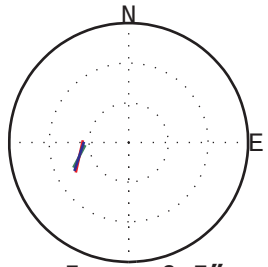


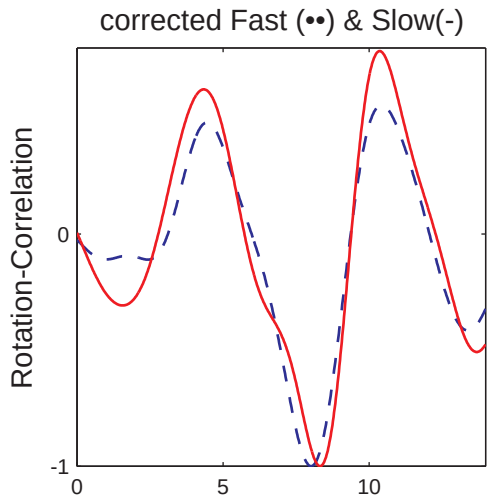


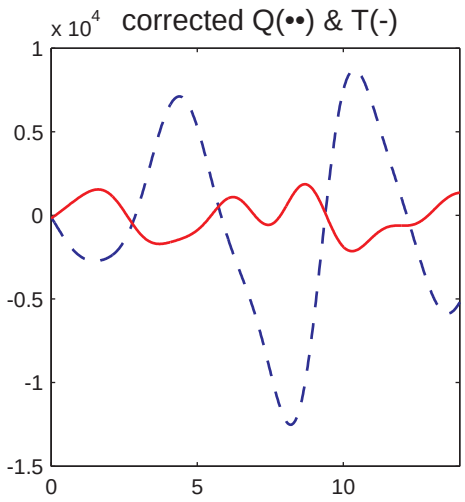
Event: **01-Jan-2011 (001) 09:56 -26.80N -63.14E 576km** Mw=**7.0**
Station: **URFA** Backazimuth: **254.3”** Distance: **114.90”**
init.Pol.: **78.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **8.8**

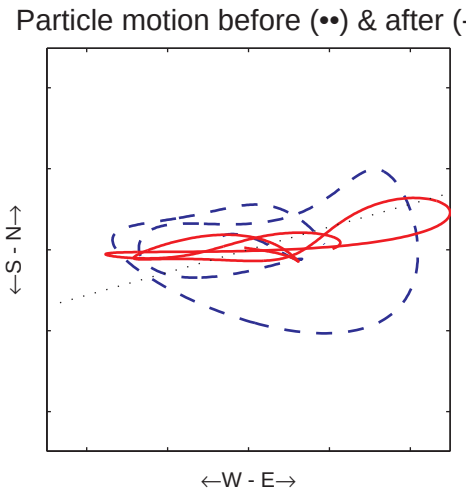
Rotation Correlation:	12<	28° <	49	0.6<0.8s<1.1
Minimum Energy:	7<	12° <	19	0.9<1.0s<1.3
Eigenvalue:	7<	18° <	33	0.8<1.0s<1.2

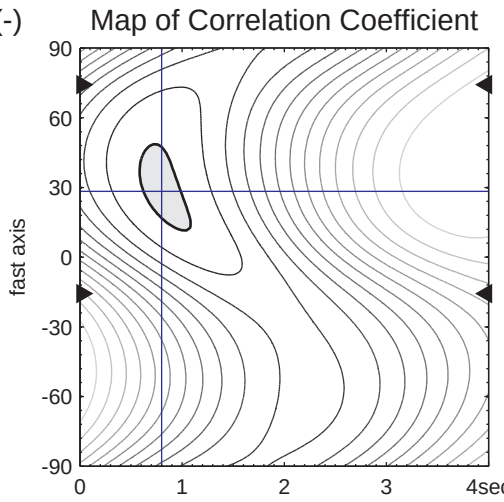
Quality: **fair** IsNull: **No** Phase: **SKS**

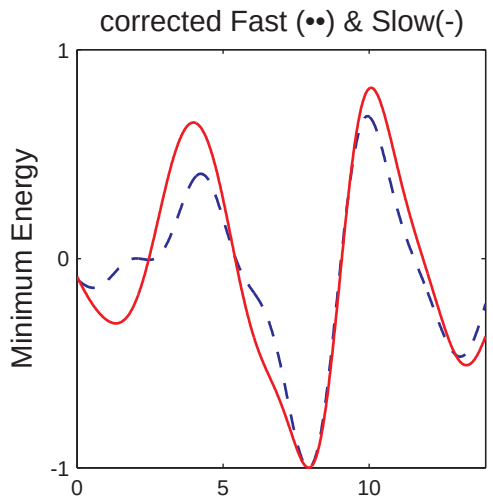


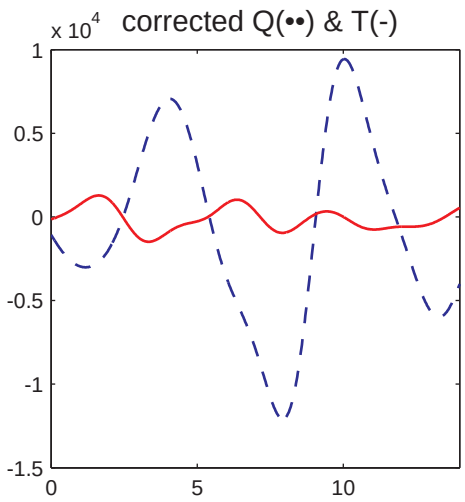


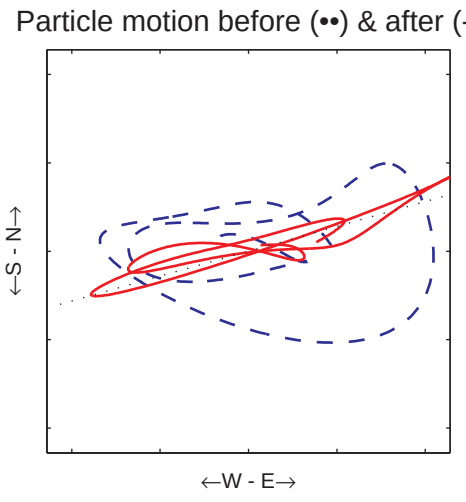


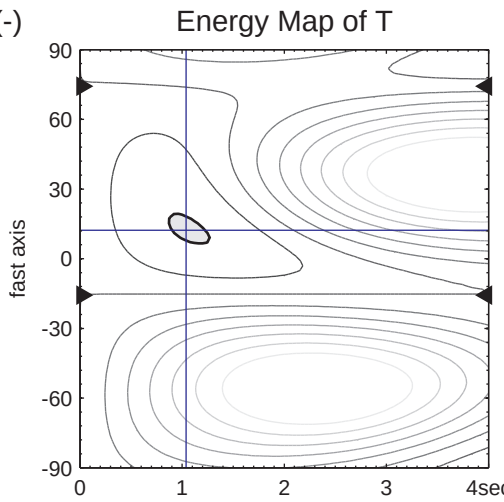


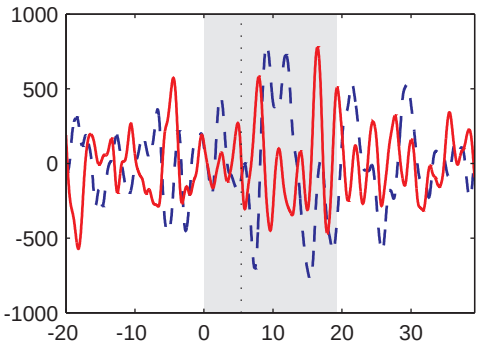








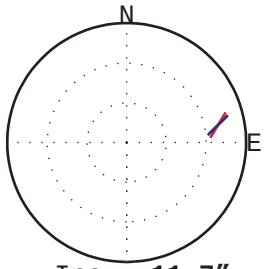




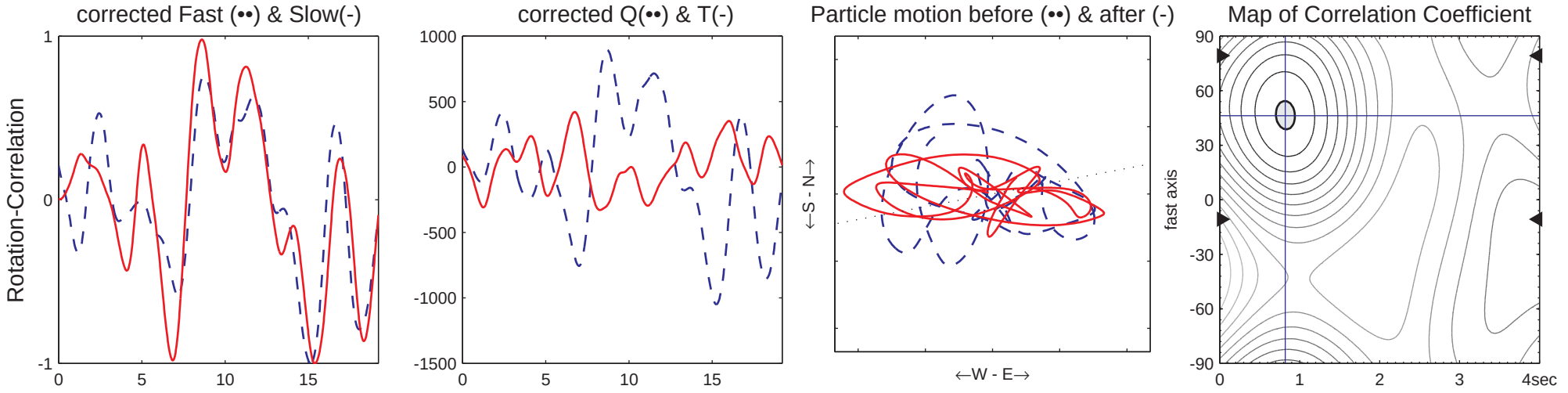
Event: **07-Feb-2011 (038) 19:53 -7.15N 155.18E 415km Mw=6.4**
Station: **URFA** Backazimuth: **79.2”** Distance: **115.18”**
init.Pol.: **273.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.2**

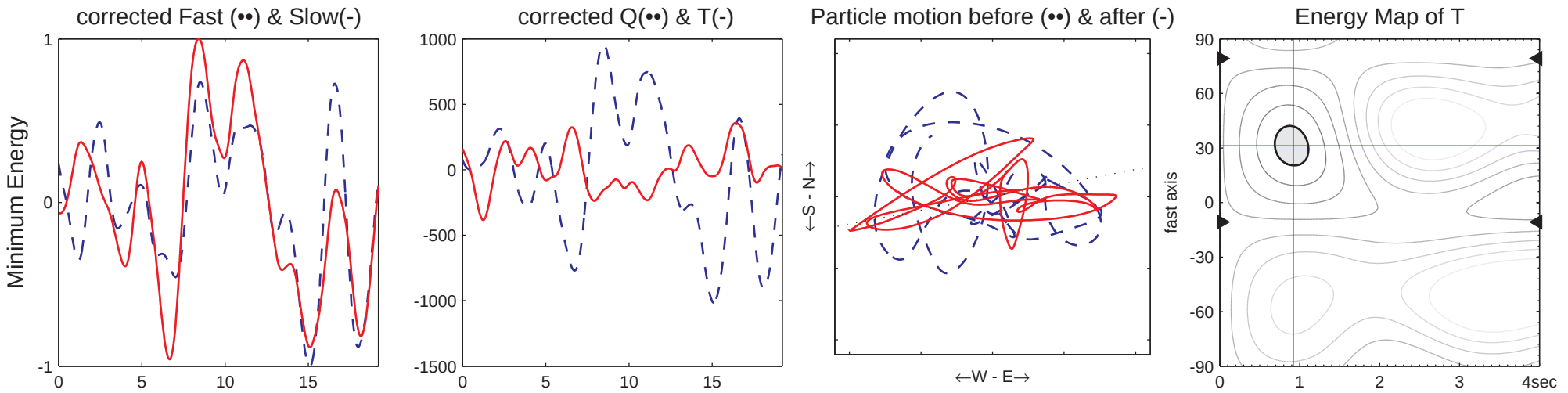
Rotation Correlation:	39<	46° <	54	0.7<0.8s<0.9
Minimum Energy:	21<	31° <	41	0.7<0.9s<1.1
Eigenvalue:	33<	45° <	60	0.7<0.9s<1.0

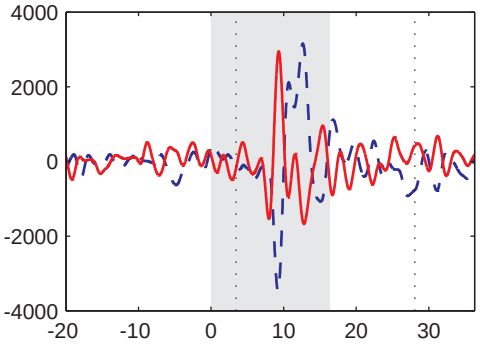
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.7”**



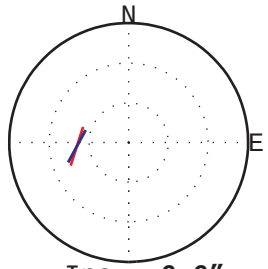




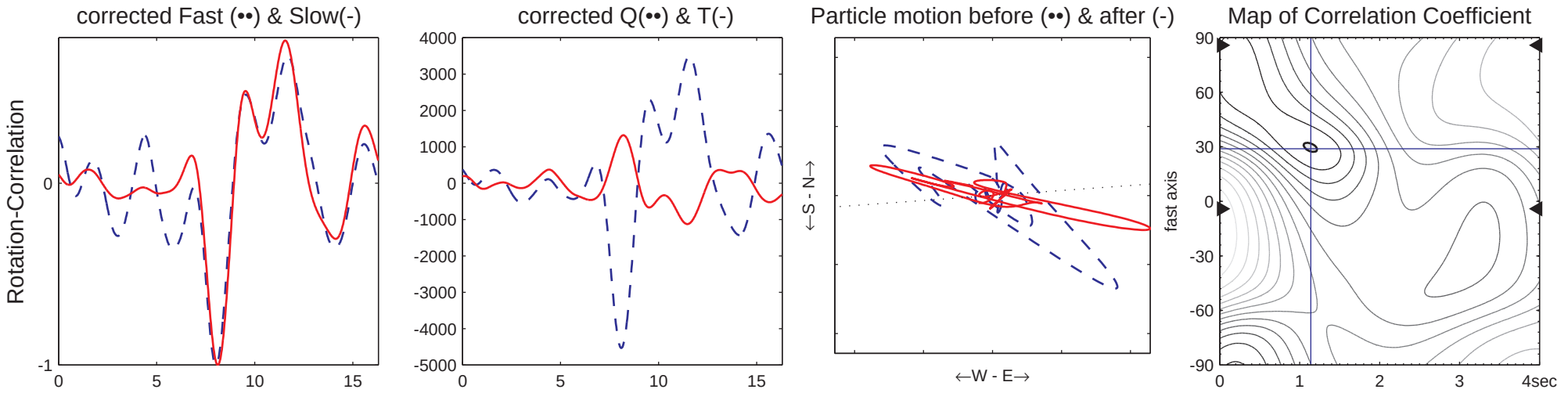
Event: **06-Mar-2011 (065) 12:31 -18.02N -69.36E 118km** Mw=**6.3**
Station: **URFA** Backazimuth: **265.9”** Distance: **115.07”**
init.Pol.: **101.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.2**

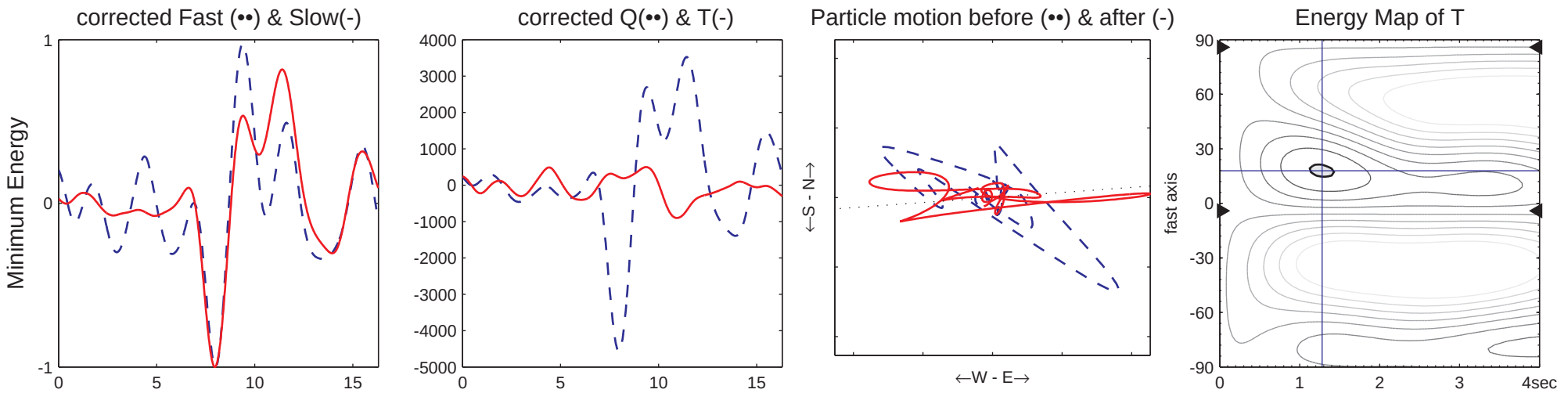
Rotation Correlation:	28<	29° <	33	1.0<1.1s<1.2
Minimum Energy:	15<	18° <	21	1.1<1.3s<1.4
Eigenvalue:	25<	28° <	29	1.0<1.2s<1.3

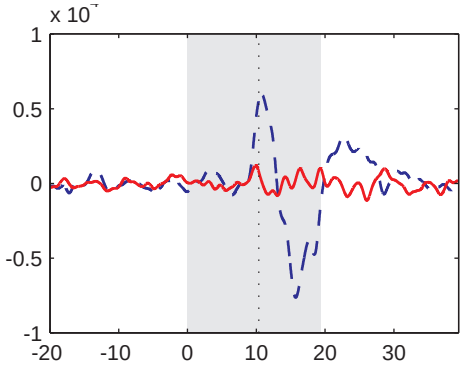
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **6.6”**



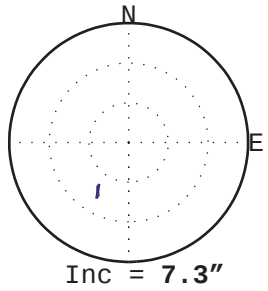


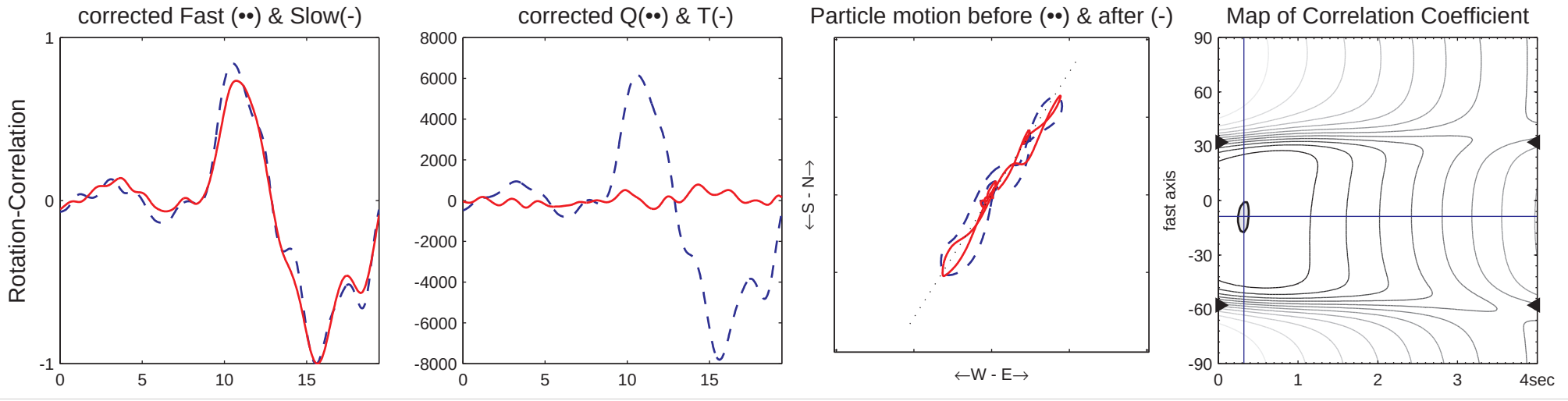


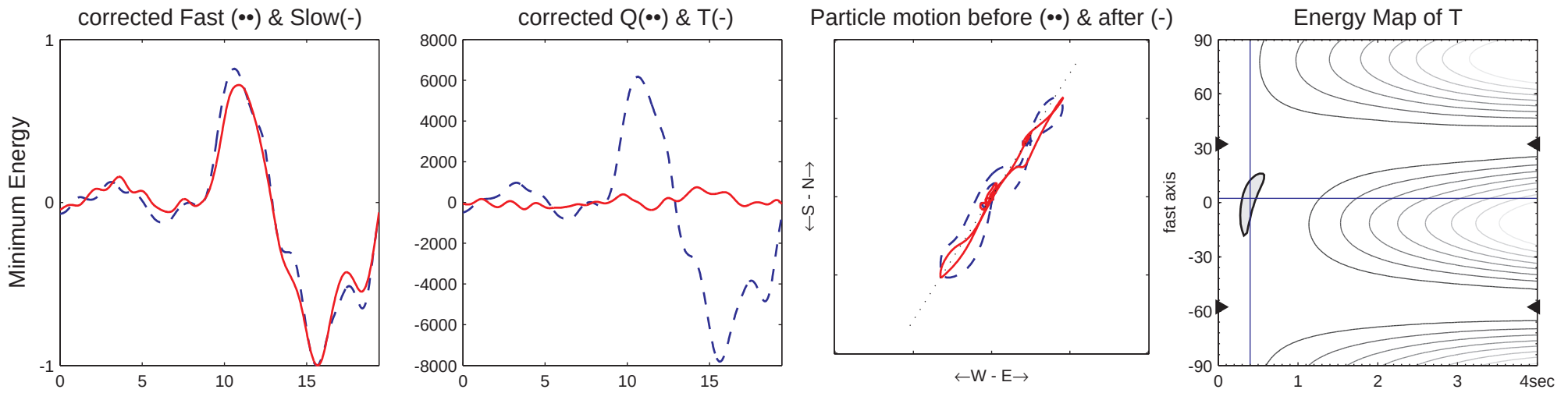
Event: **06-Mar-2011 (065) 14:32 -56.42N -27.06E 87km Mw=6.5**
Station: **URFA** Backazimuth: **212.3”** Distance: **109.09”**
init.Pol.: **34.5”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**15.2**

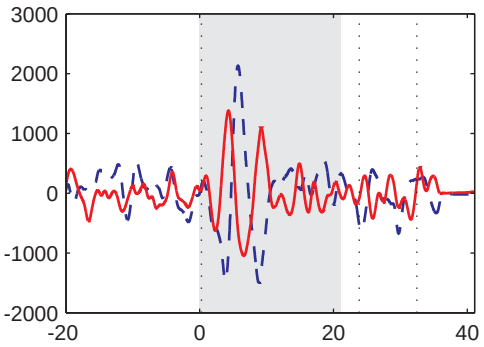
Rotation Correlation:	-19<	-9° <	-2	0.2<0.3s<0.4
Minimum Energy:	-19<	2° <	15	0.3<0.4s<0.6
Eigenvalue:	-3<	10° <	19	0.3<0.5s<0.6

Quality: **fair** IsNull: **No** Phase: **SKS**





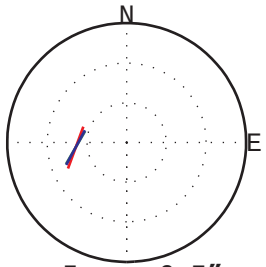


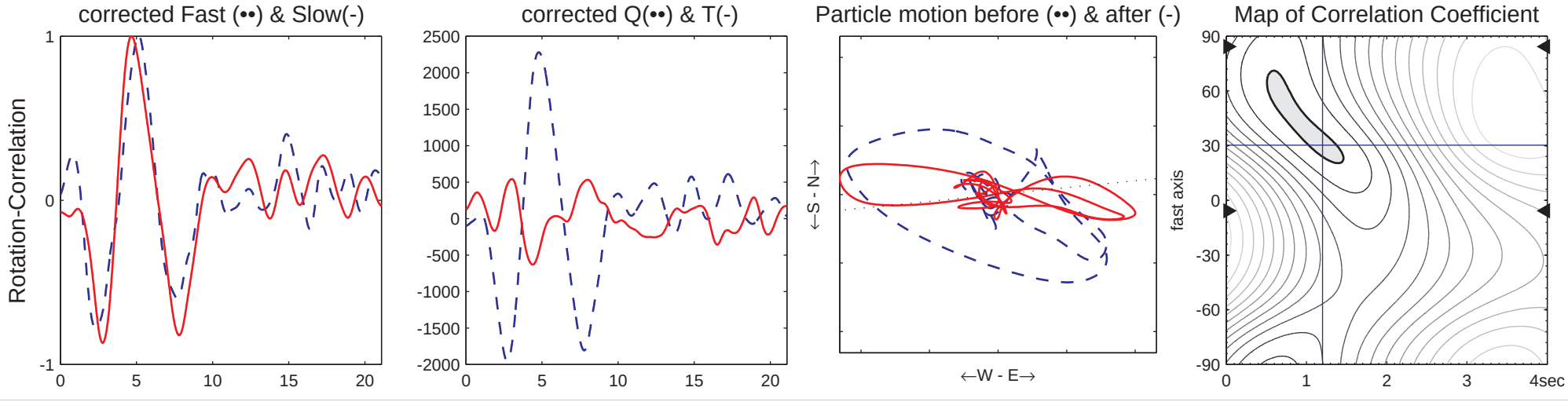


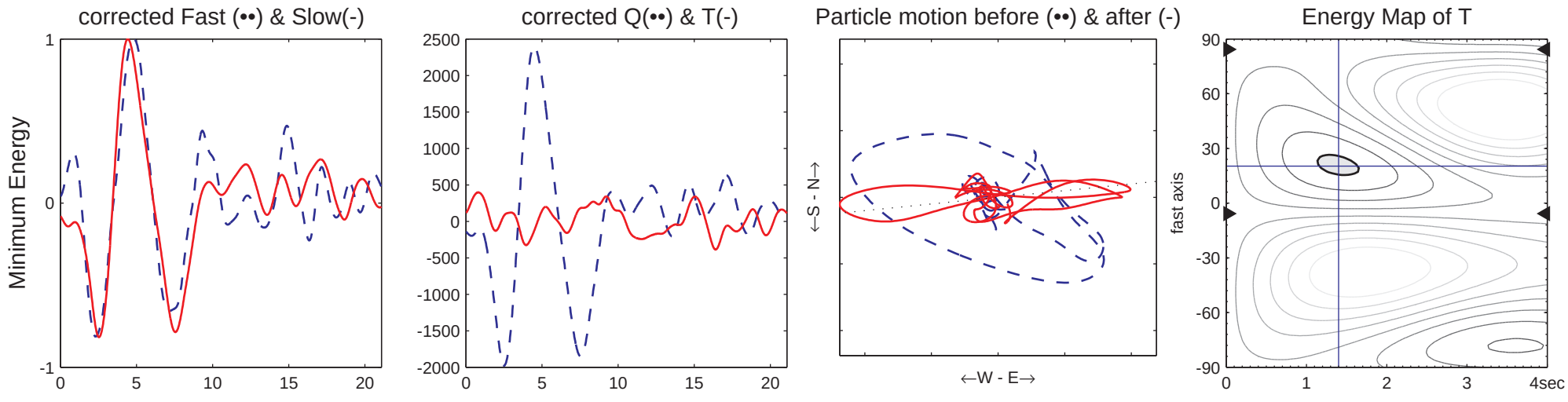
Event: **02-Apr-2011 (092) 10:59 -19.58N -69.06E 84km Mw=5.9**
Station: **URFA** Backazimuth: **264.3”** Distance: **115.69”**
init.Pol.: **94.9”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.4**

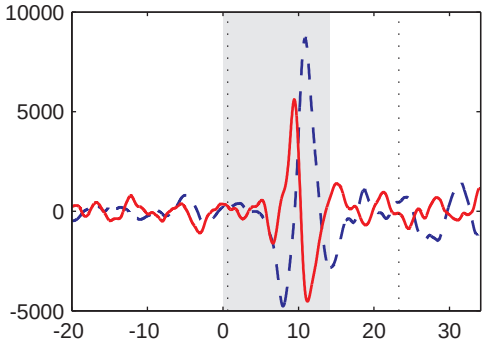
Rotation Correlation:	21<	30° <	71	0.5<1.2s<1.5
Minimum Energy:	15<	20° <	27	1.1<1.4s<1.6
Eigenvalue:	19<	28° <	43	0.9<1.2s<1.6

Quality: **fair** IsNull: **No** Phase: **SKS**





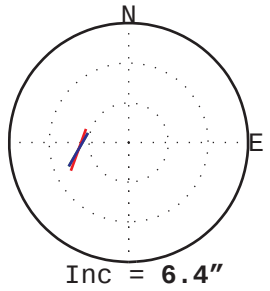


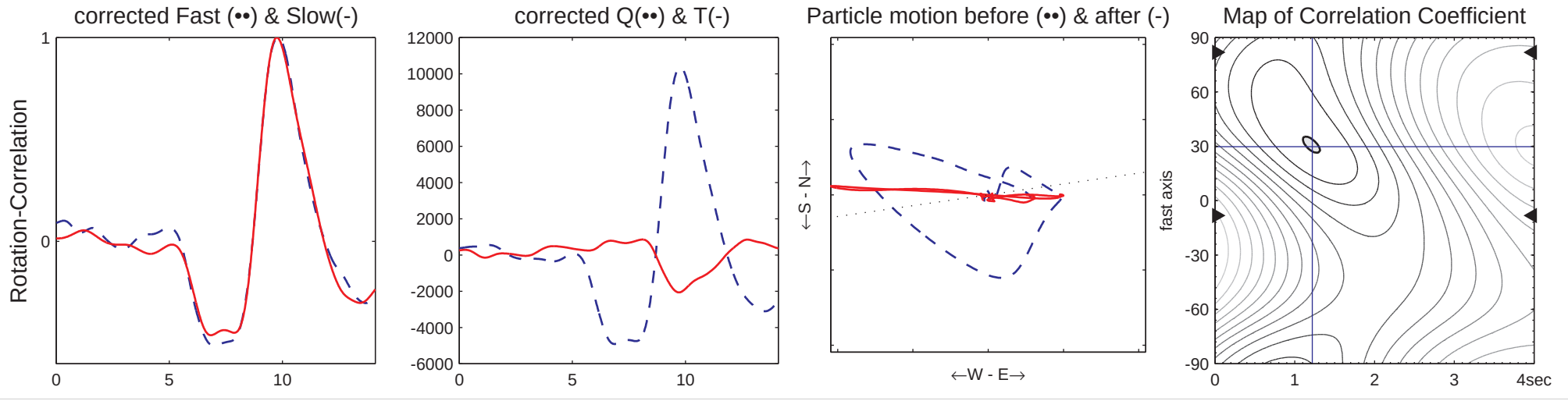


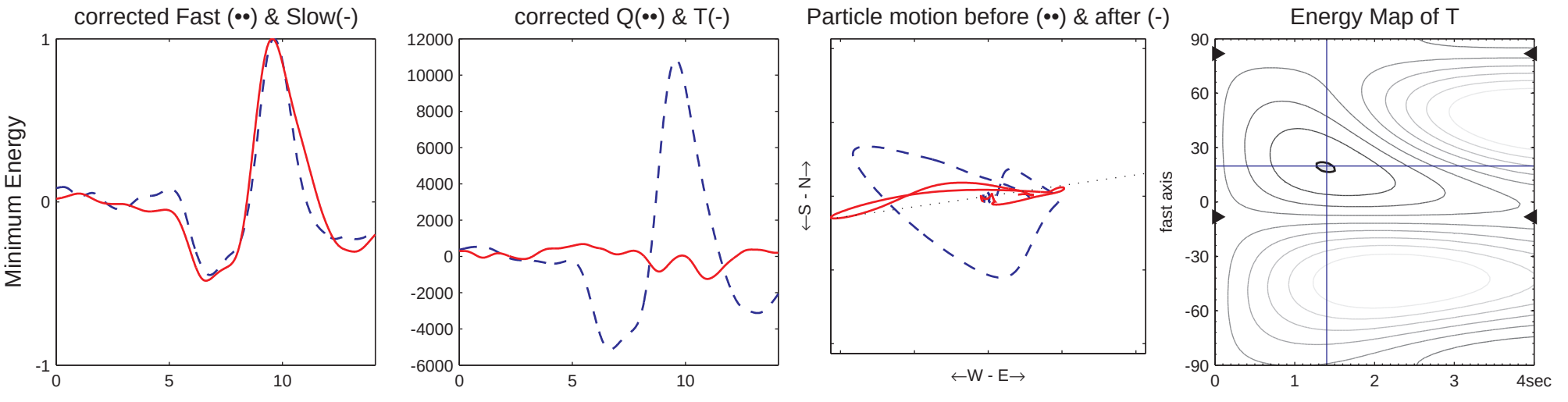
Event: **20-Jun-2011 (171) 16:36 -21.70N -68.23E 128km** Mw=**6.4**
Station: **URFA** Backazimuth: **261.8”** Distance: **116.17”**
init.Pol.: **92.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.9**

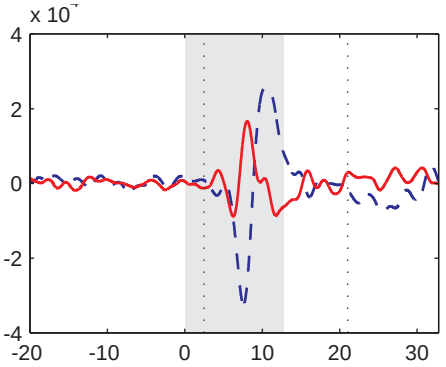
Rotation Correlation:	27<	30° <	36	1.1<1.2s<1.3
Minimum Energy:	17<	20° <	21	1.3<1.4s<1.5
Eigenvalue:	27<	30° <	31	1.2<1.2s<1.3

Quality: **fair** IsNull: **No** Phase: **SKS**





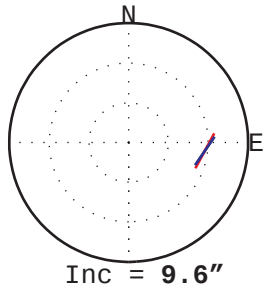


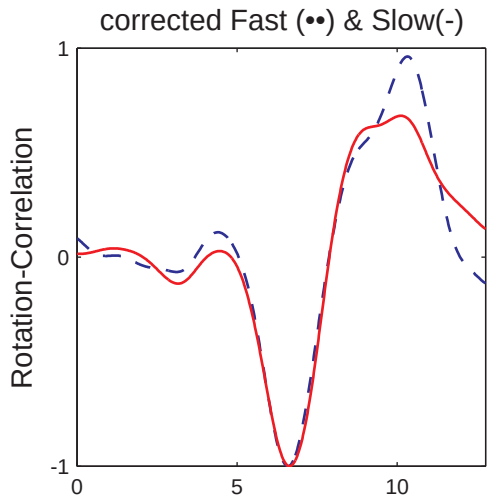


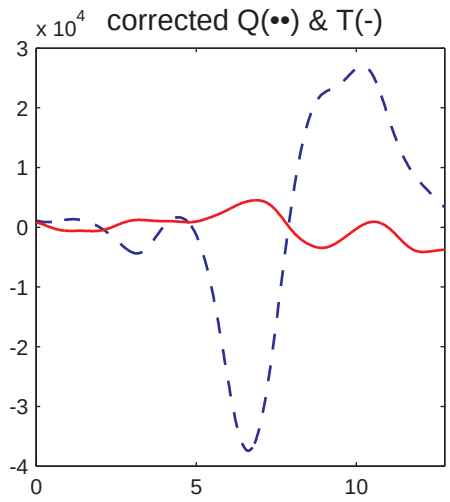
Event: **30-Aug-2011 (242) 06:57 -6.36N 126.75E 469km Mw=6.9**
Station: **URFA** Backazimuth: **96.3”** Distance: **92.23”**
init.Pol.: **282.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **9.9**

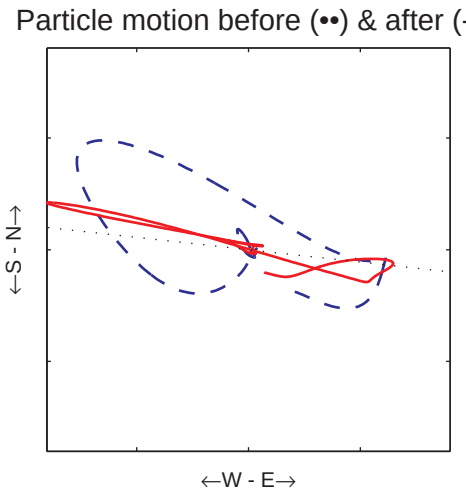
Rotation Correlation:	31<	34° <	41	0.9<1.1s<1.2
Minimum Energy:	25<	28° <	33	1.0<1.2s<1.4
Eigenvalue:	29<	34° <	41	0.9<1.1s<1.3

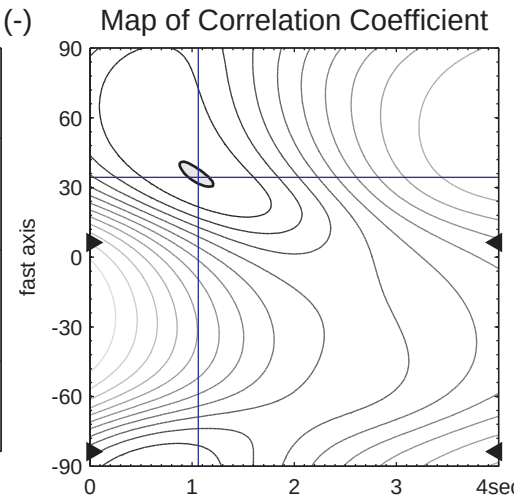
Quality: **good** IsNull: **No** Phase: **SKS**

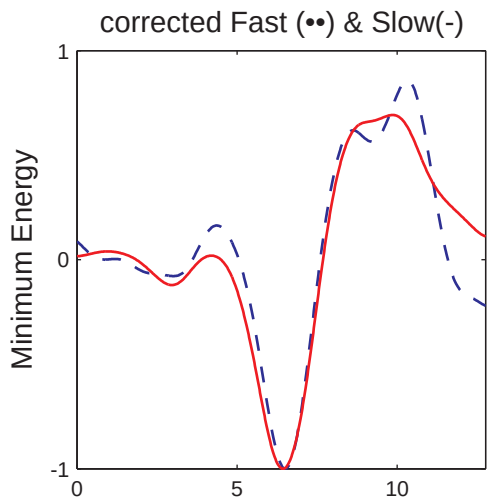


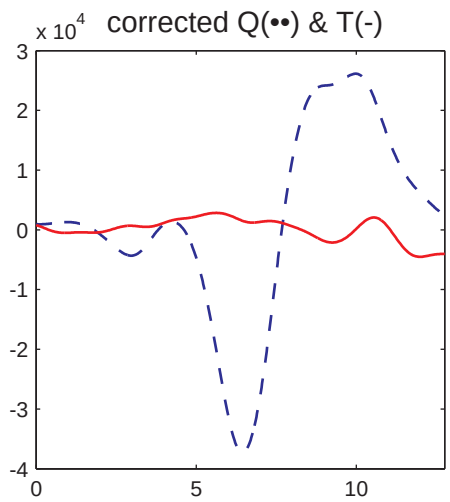


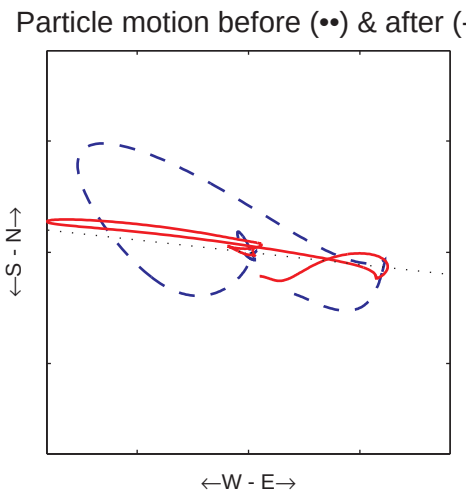


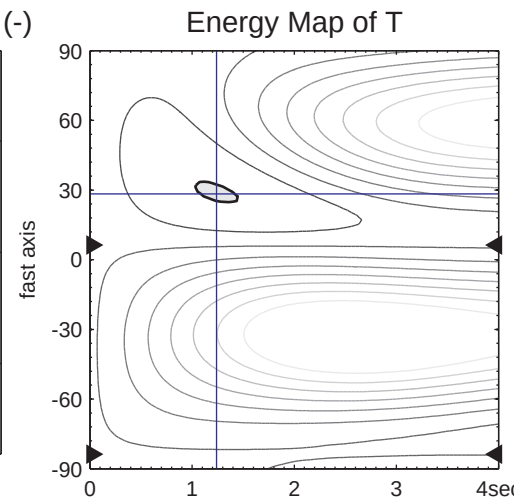


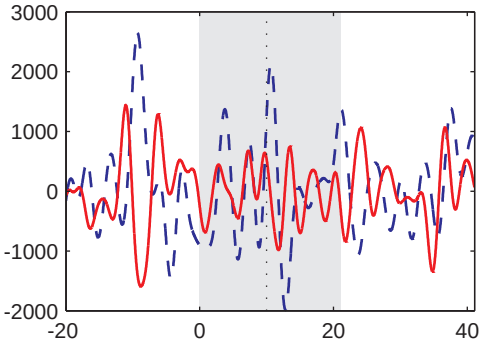








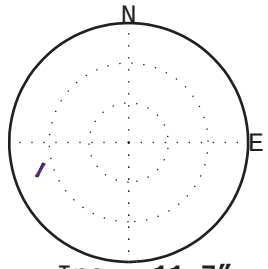




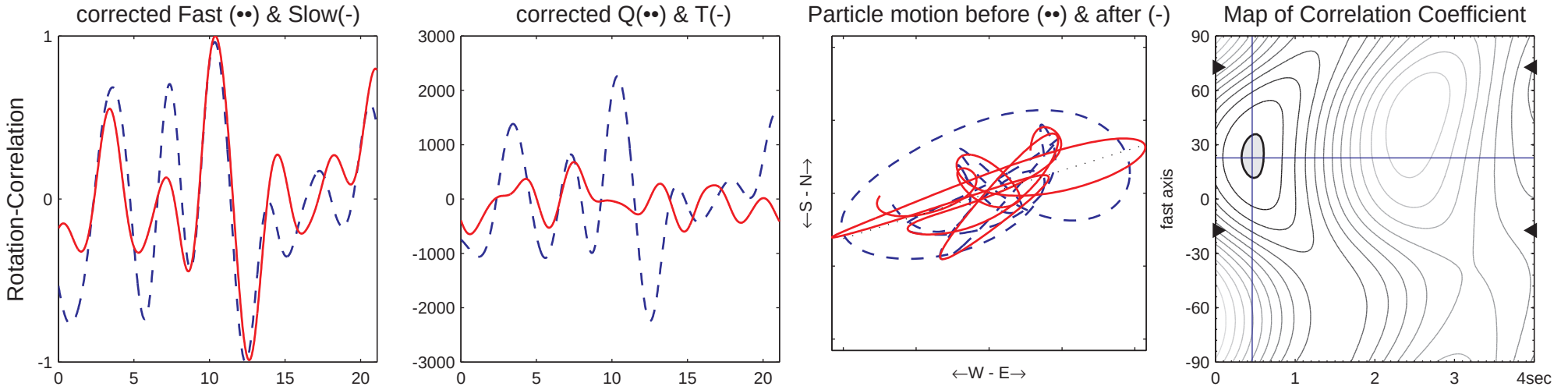
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km Mw=6.7**
Station: **URFA** Backazimuth: **252.7”** Distance: **115.63”**
init.Pol.: **69.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.8**

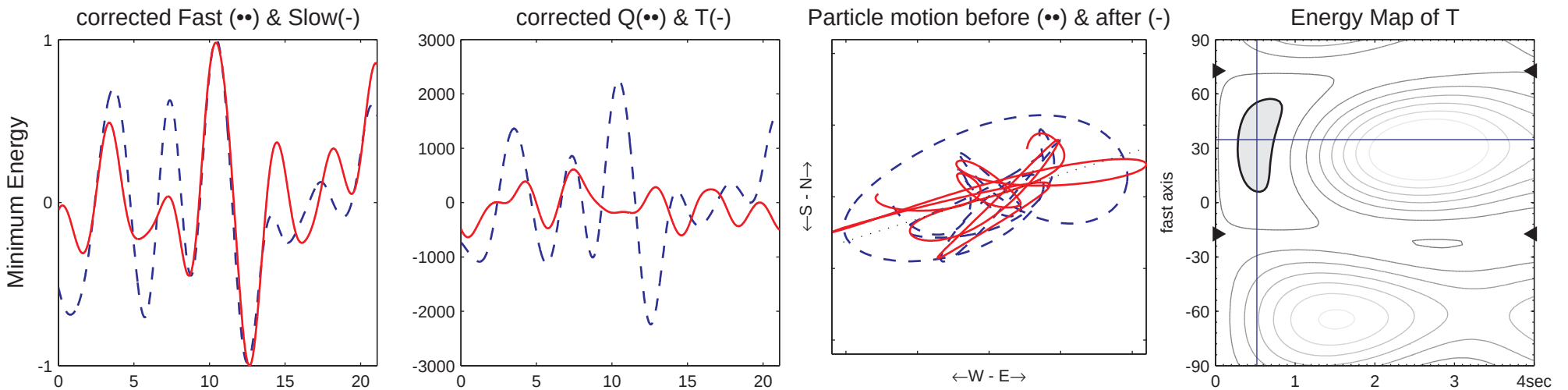
Rotation Correlation:	12<	23° <	36	0.3<0.5s<0.6
Minimum Energy:	5<	35° <	58	0.3<0.5s<0.8
Eigenvalue:	-17<	25° <	72	0.3<0.5s<1.1

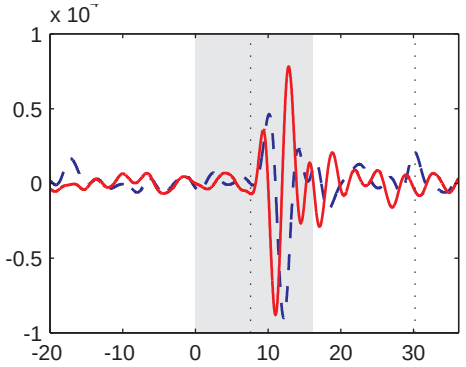
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.7”**



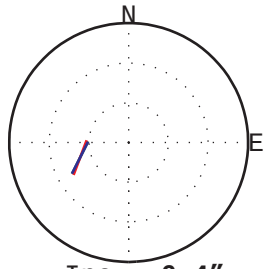


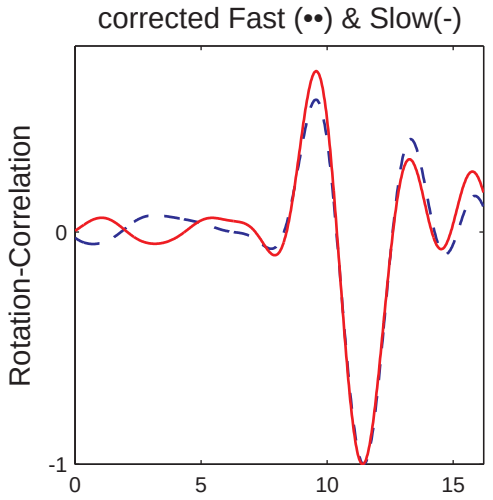


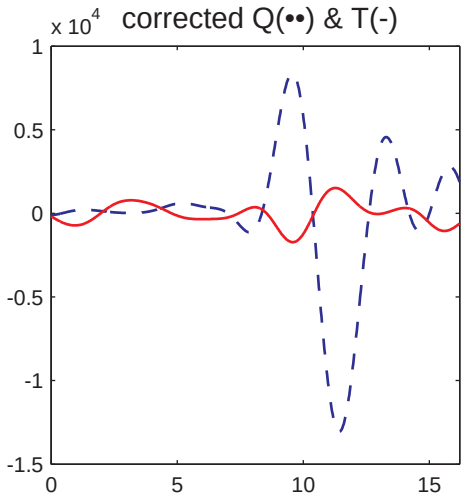
Event: **02-Sep-2011 (245) 13:47 -28.40N -63.03E 578km** Mw=**6.7**
Station: **URFA** Backazimuth: **252.7”** Distance: **115.63”**
init.Pol.: **80.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**13.9**

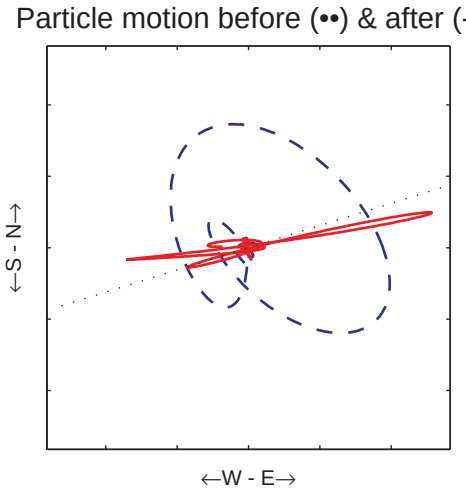
Rotation Correlation:	23<	27° <	34	1.1<1.1s<1.2
Minimum Energy:	19<	21° <	23	1.1<1.2s<1.2
Eigenvalue:	21<	27° <	33	1.0<1.1s<1.2

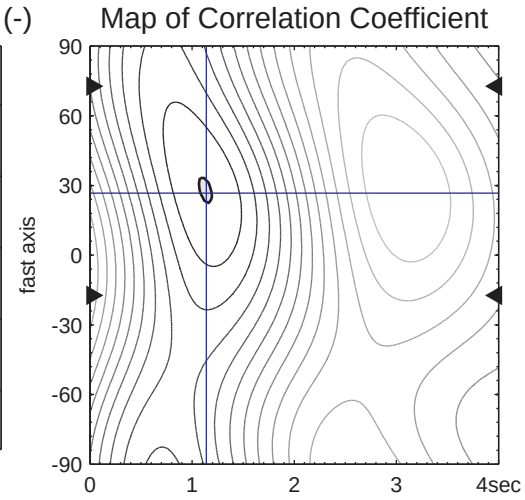
Quality: **good** IsNull: **No** Phase: **SKS**

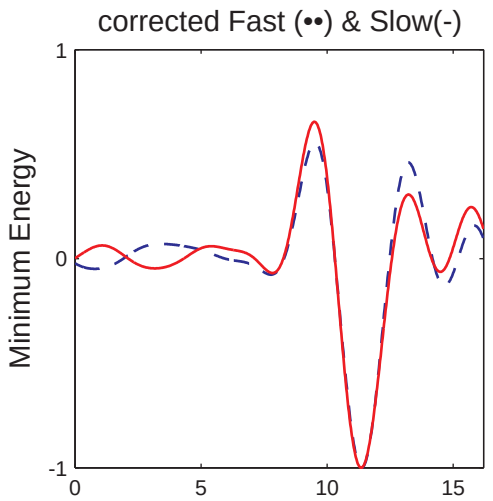


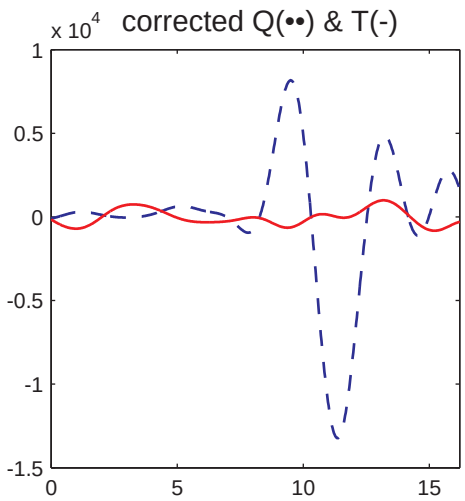


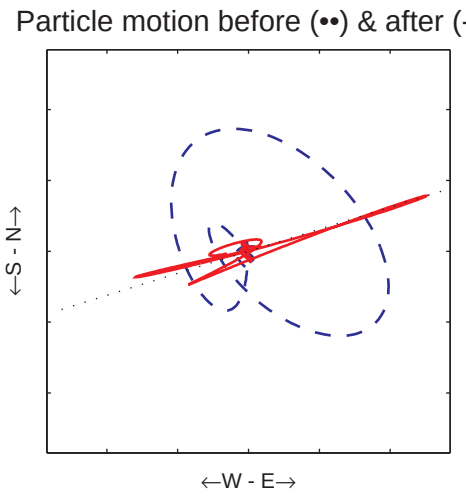


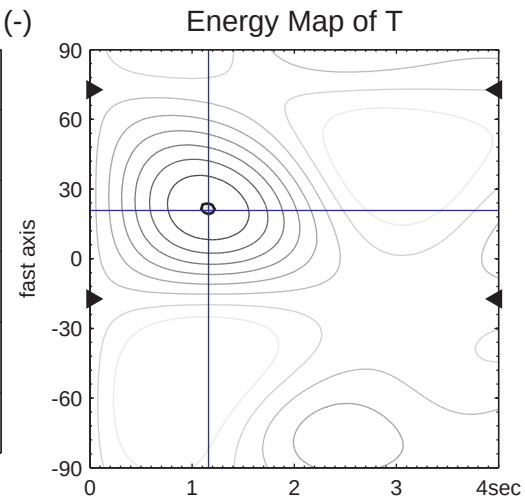


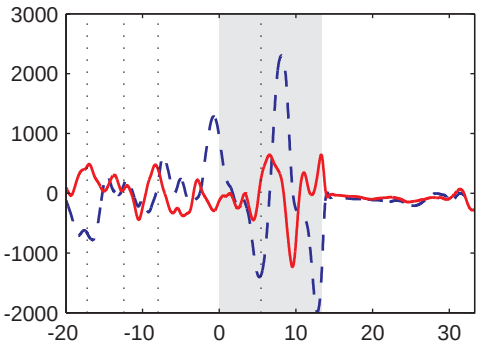








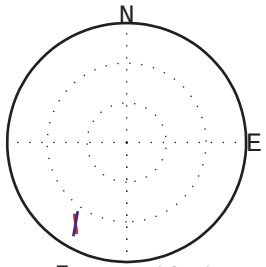


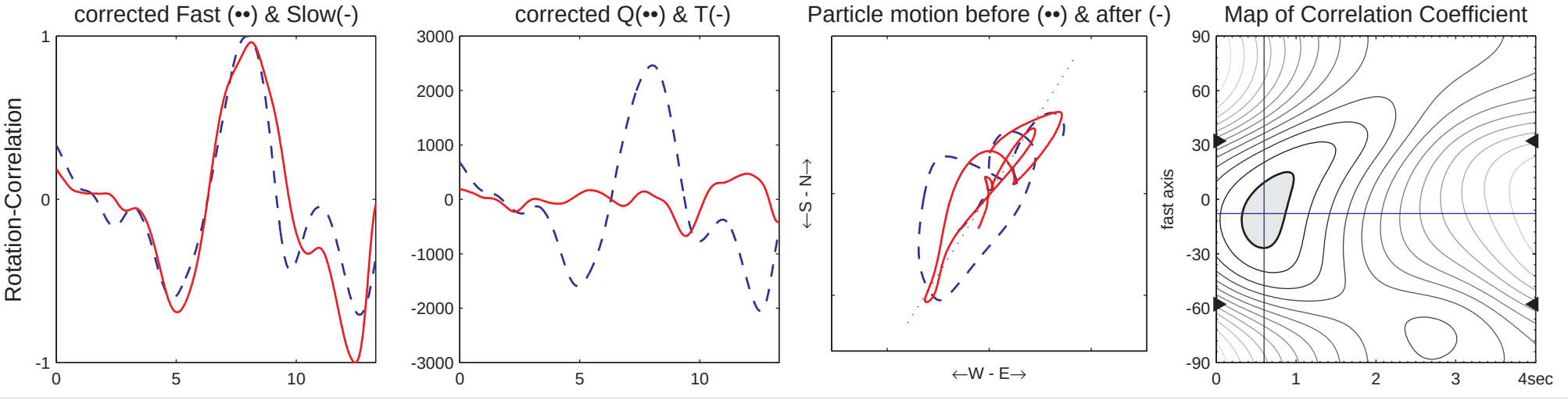


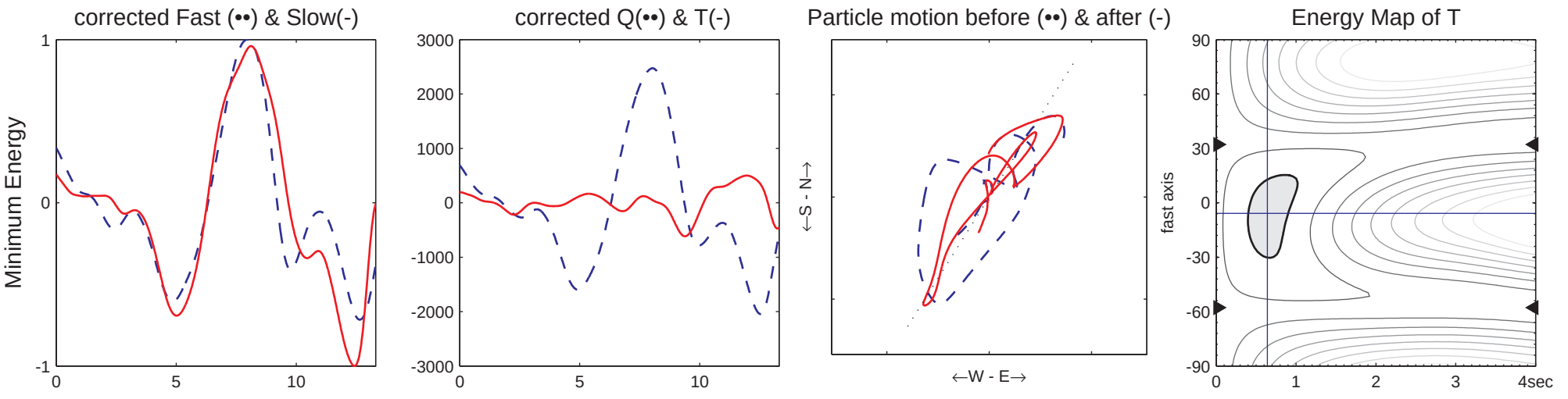
Event: 03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4
Station: URFA Backazimuth: 212.2” Distance: 109.02”
init.Pol.: 39.8” Filter: 0.020Hz - 1.00Hz SNR_{SC}: 5.1

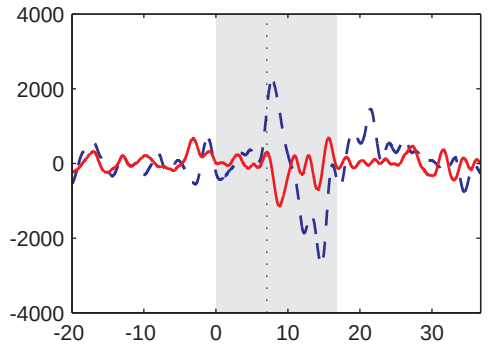
Rotation Correlation:	-28<	-8° <	14	0.3<0.6s<1.0
Minimum Energy:	-33<	-6° <	13	0.4<0.6s<1.0
Eigenvalue:	-17<	10° <	31	0.5<0.8s<1.4

Quality: fair IsNull: No Phase: SKKS





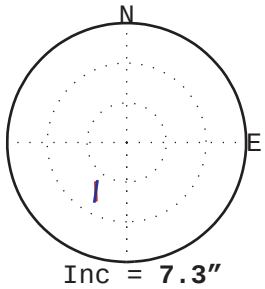


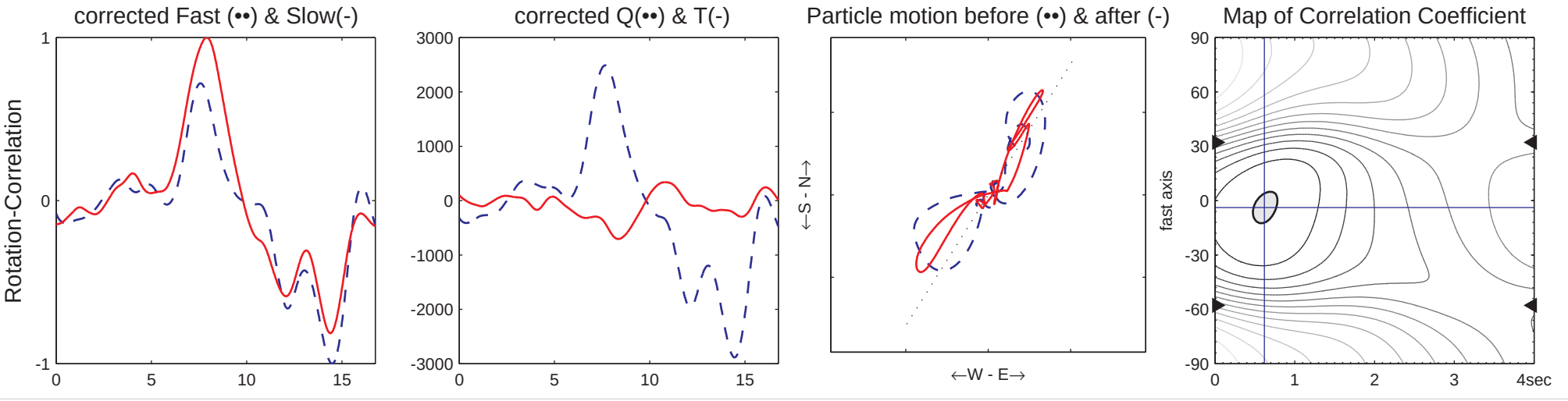


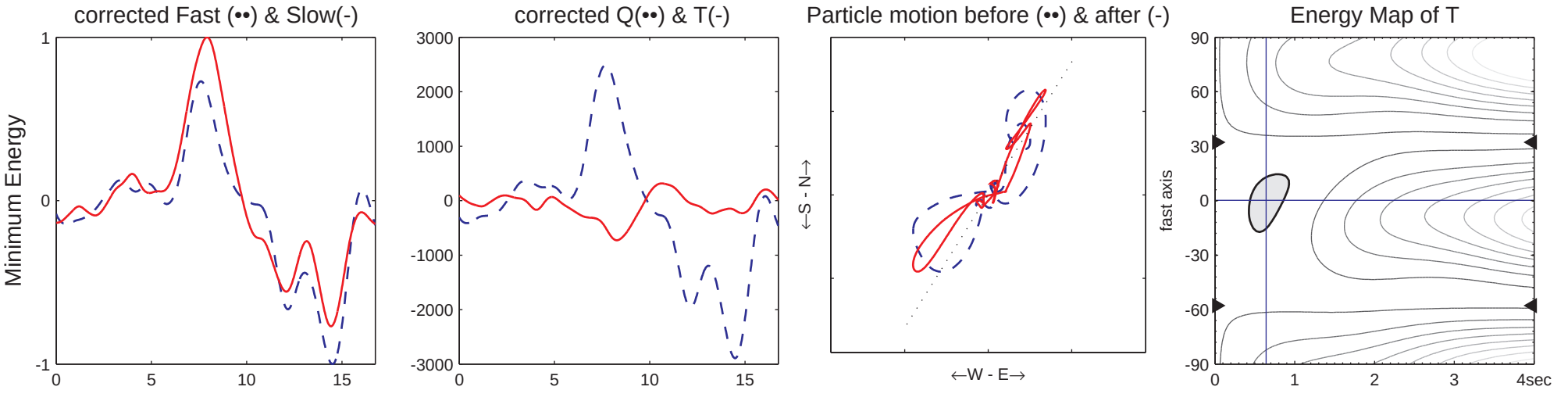
Event: **03-Sep-2011 (246) 04:48 -56.45N -26.85E 84km Mw=6.4**
Station: **URFA** Backazimuth: **212.2”** Distance: **109.02”**
init.Pol.: **38.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.2**

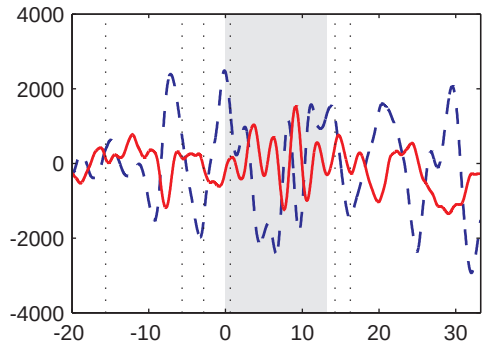
Rotation Correlation:	-14<	-4° <	4	0.5<0.6s<0.8
Minimum Energy:	-17<	0° <	15	0.4<0.6s<0.9
Eigenvalue:	-3<	8° <	21	0.5<0.7s<1.0

Quality: **good** IsNull: **No** Phase: **SKS**





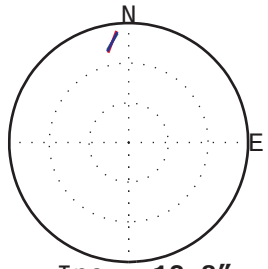




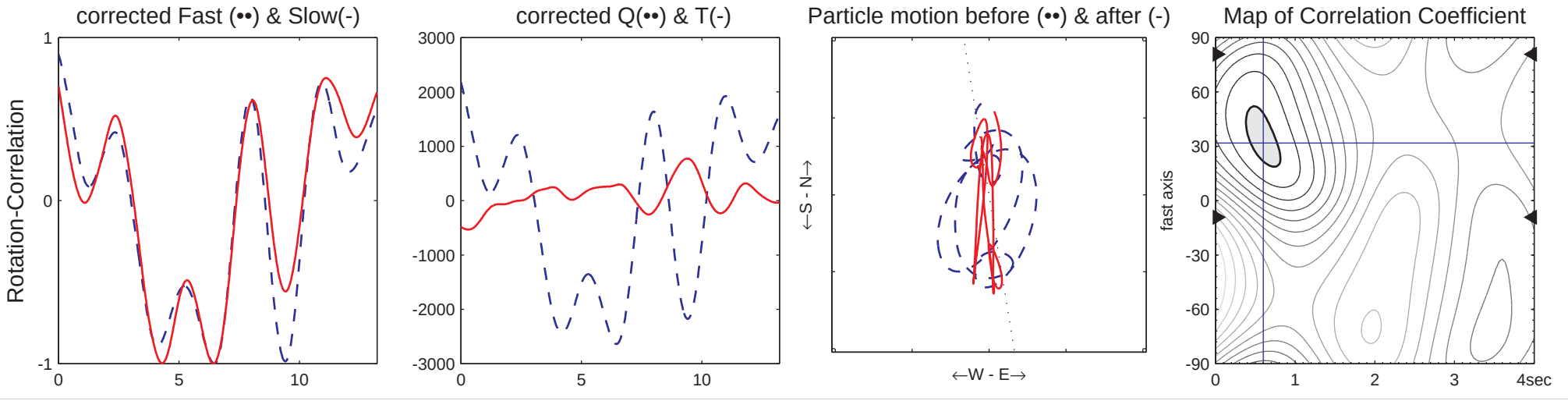
Event: **09-Sep-2011 (252) 19:41 49.53N -126.89E 22km Mw=6.4**
Station: **URFA** Backazimuth: **350.8”** Distance: **92.11”**
init.Pol.: **176.0”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.3**

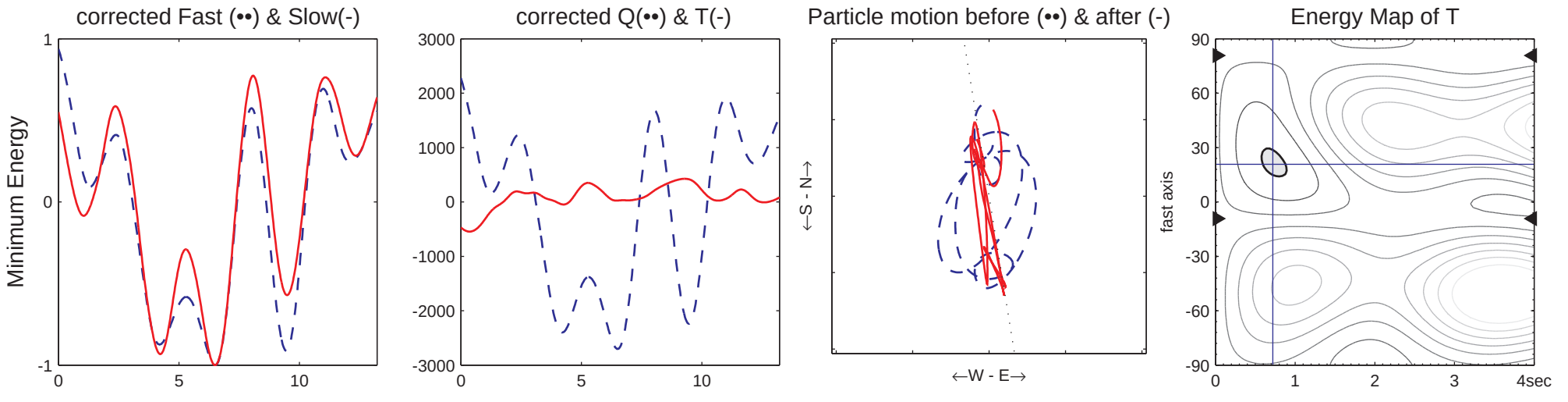
Rotation Correlation:	19<	32° <	52	0.4<0.6s<0.8
Minimum Energy:	13<	21° <	29	0.6<0.7s<0.9
Eigenvalue:	17<	27° <	37	0.5<0.7s<0.8

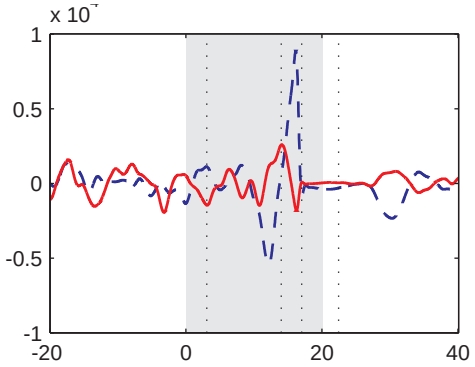
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **12.8”**



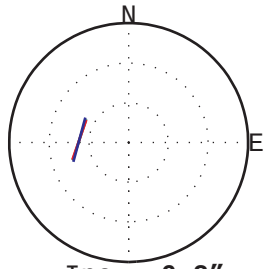


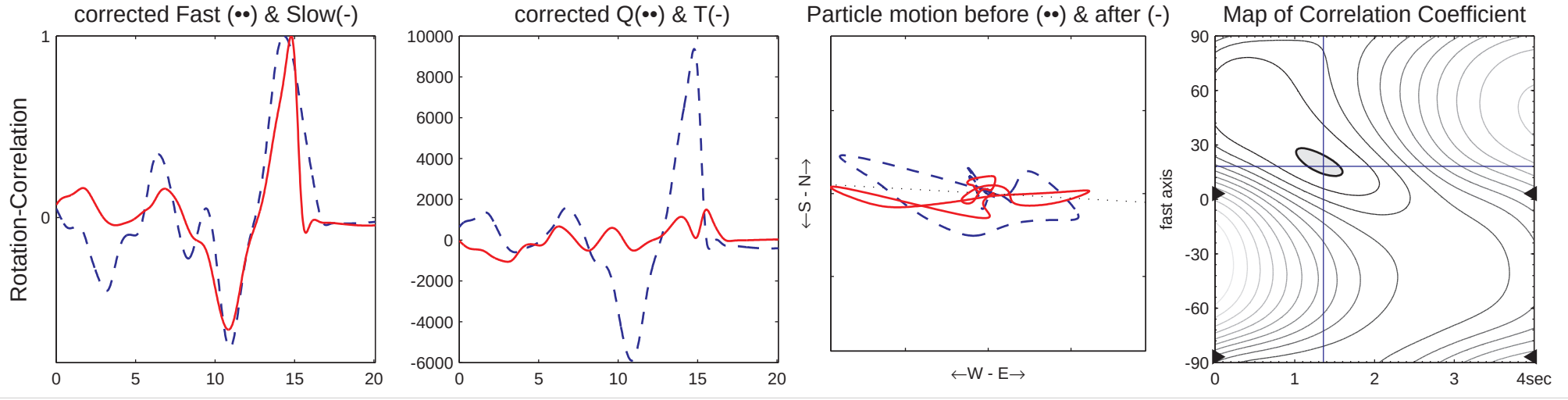


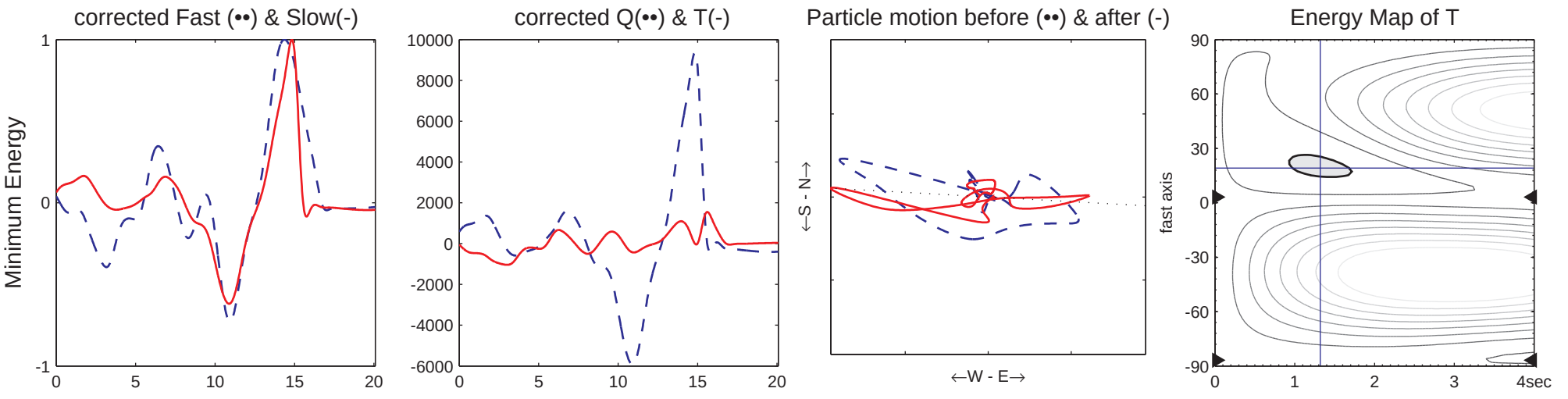
Event: **28-Oct-2011 (301) 18:54 -14.44N -75.97E 24km** Mw=**6.9**
Station: **URFA** Backazimuth: **273.2”** Distance: **118.29”**
init.Pol.: **86.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **8.7**

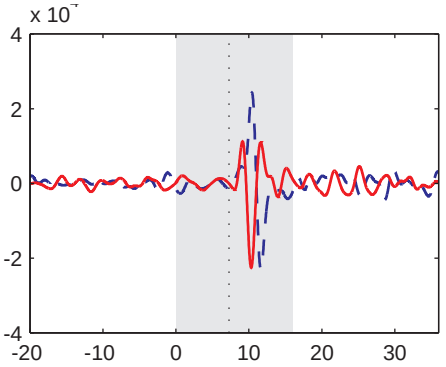
Rotation Correlation:	13<	18° <	29	1.0<1.4s<1.6
Minimum Energy:	15<	19° <	27	0.9<1.3s<1.7
Eigenvalue:	7<	15° <	23	1.1<1.4s<1.8

Quality: **good** IsNull: **No** Phase: **SKS**





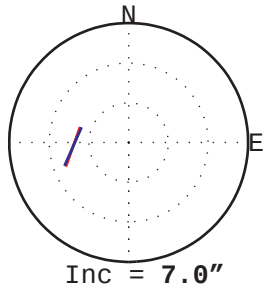


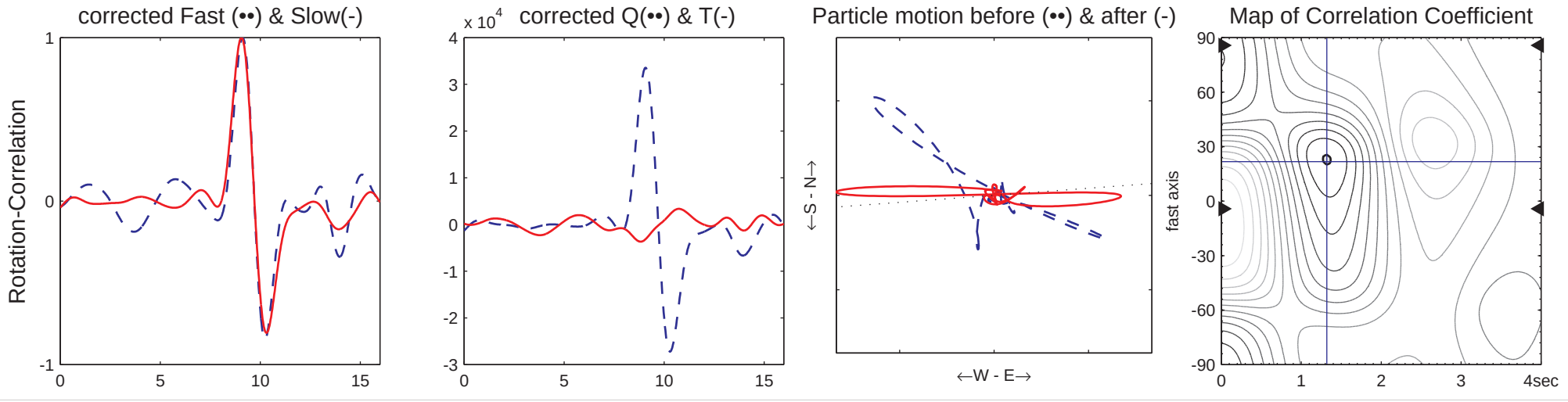


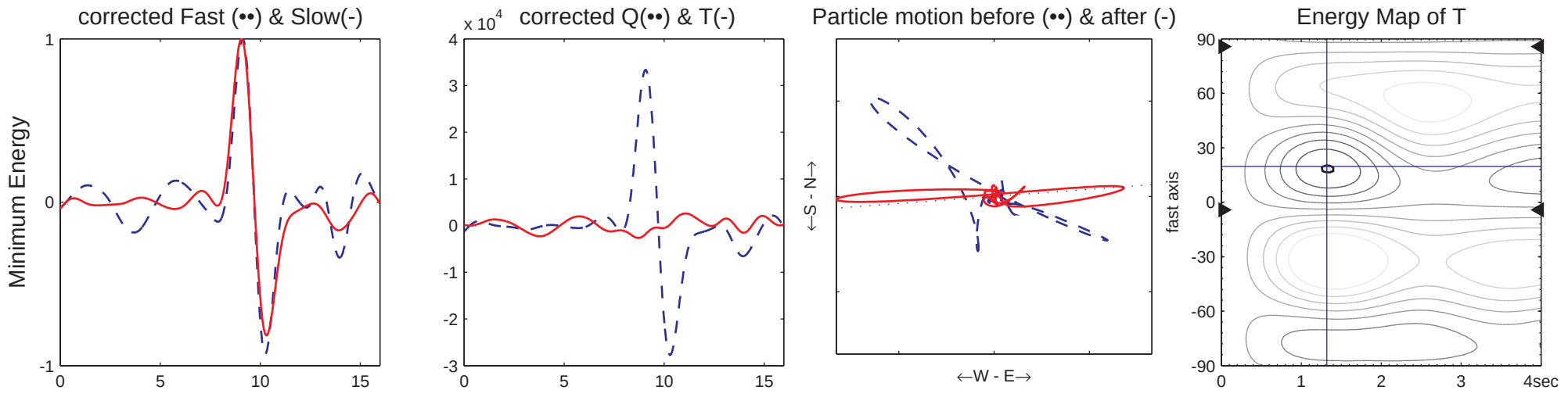
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km Mw=6.6**
Station: **URFA** Backazimuth: **265.8”** Distance: **110.19”**
init.Pol.: **94.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}:**12.5**

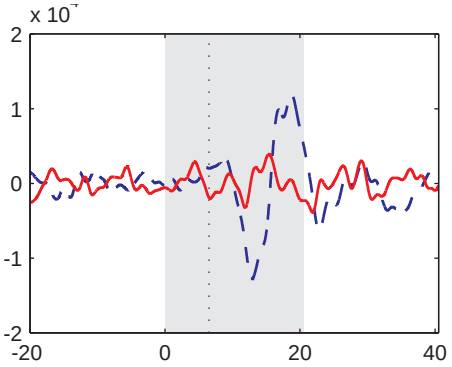
Rotation Correlation:	20<	22° <	26	1.3<1.3s<1.4
Minimum Energy:	17<	20° <	21	1.2<1.3s<1.4
Eigenvalue:	19<	24° <	25	1.2<1.3s<1.4

Quality: **good** IsNull: **No** Phase: **SKS**





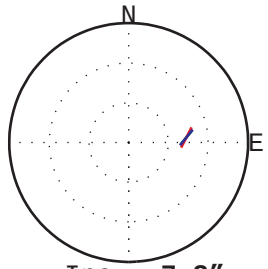


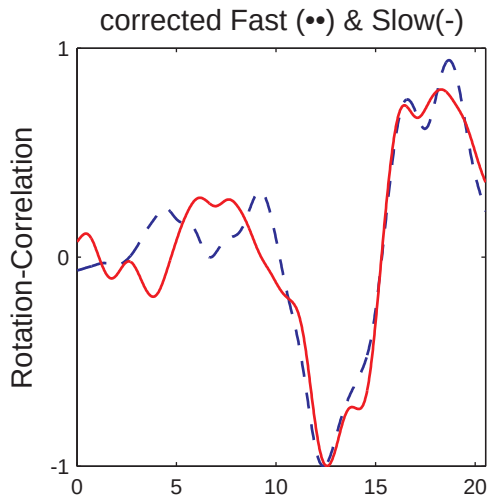


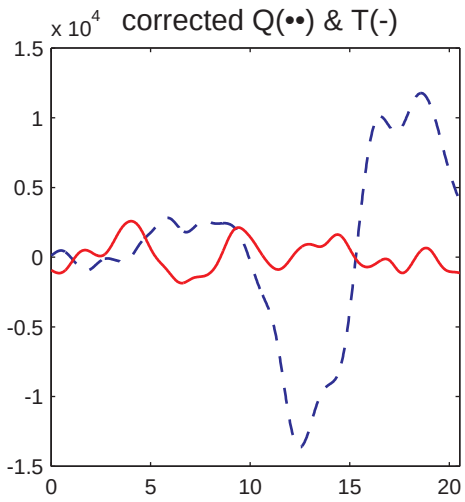
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **URFA** Backazimuth: **85.1”** Distance: **108.84”**
init.Pol.: **268.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **6.5**

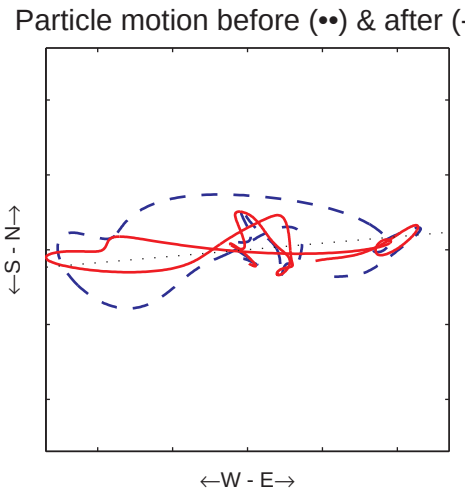
Rotation Correlation:	31<	40° <	52	0.4<0.6s<0.8
Minimum Energy:	9<	27° <	58	0.4<0.7s<1.3
Eigenvalue:	11<	39° <	72	0.4<0.6s<1.1

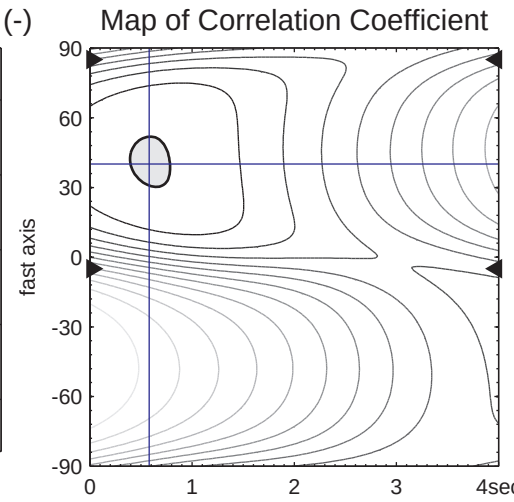
Quality: **fair** IsNull: **No** Phase: **SKS**

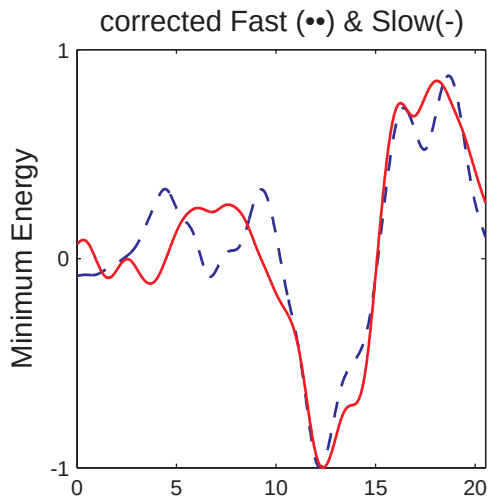


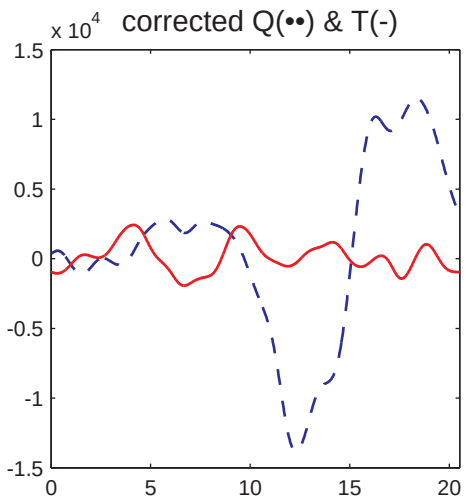


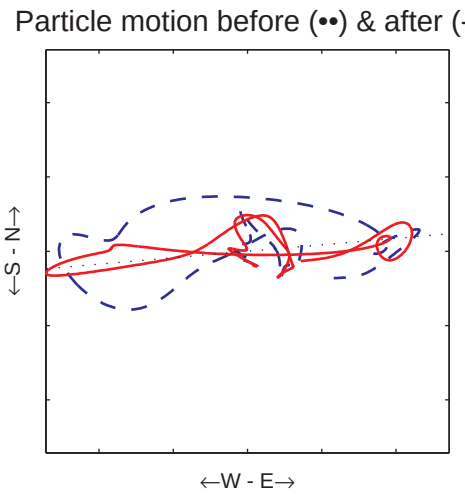


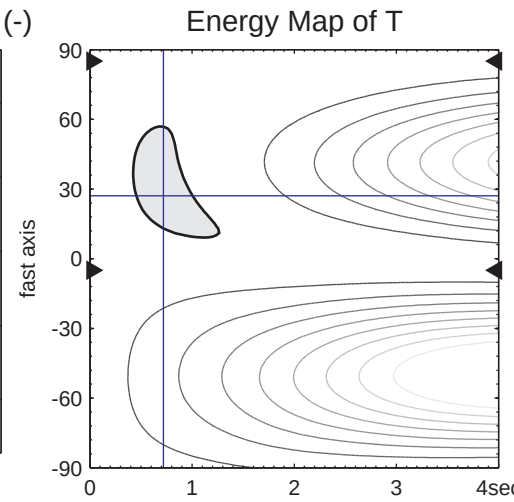


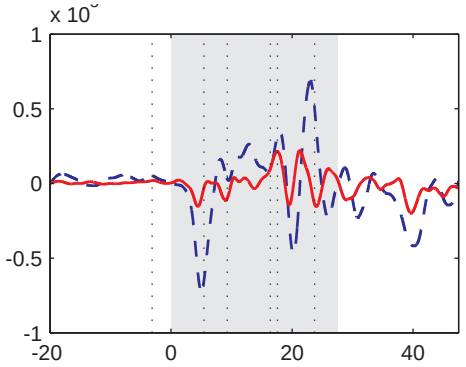








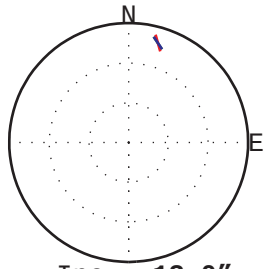


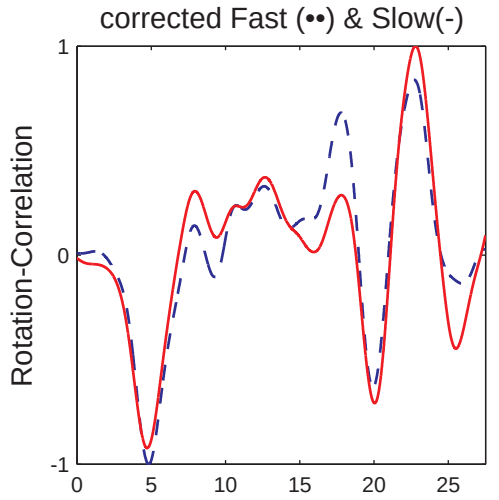


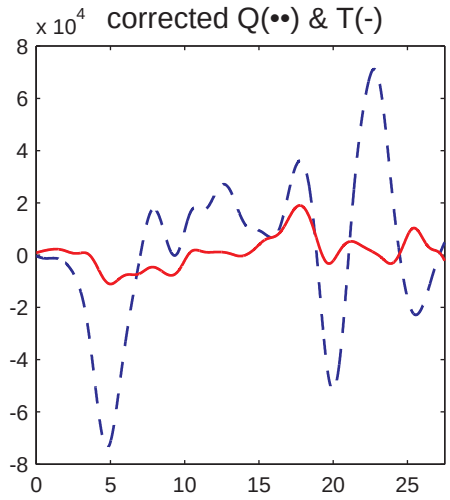
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **YAHY** Backazimuth: **16.4”** Distance: **86.79”**
init.Pol.: **191.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **6.1**

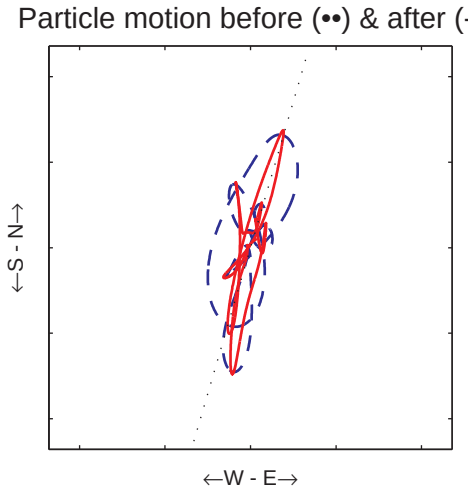
Rotation Correlation:	-43<	-34° < -27	0.4<0.5s<0.6
Minimum Energy:	-43<	-16° < -1	0.3<0.5s<0.9
Eigenvalue:	-64<	-34° < -7	0.3<0.5s<0.7

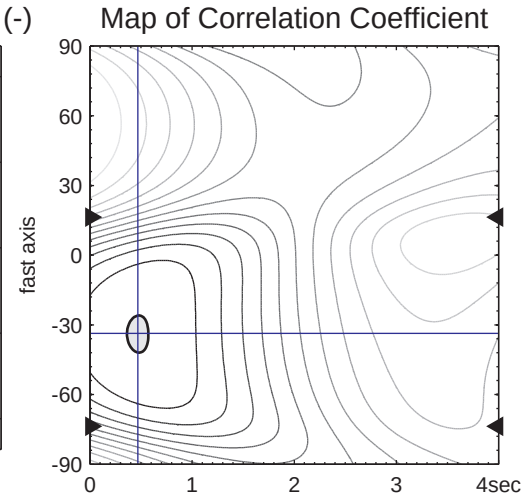
Quality: **fair** IsNull: **No** Phase: **SKKS**

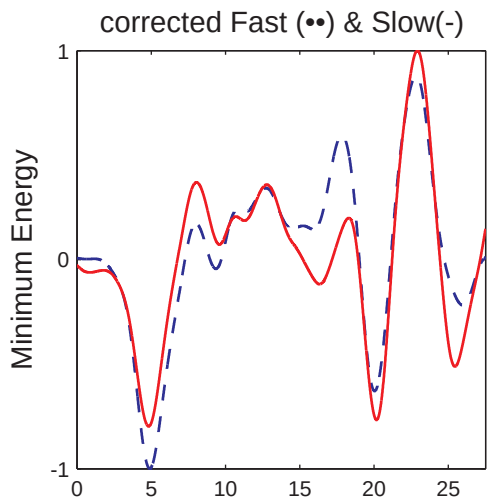


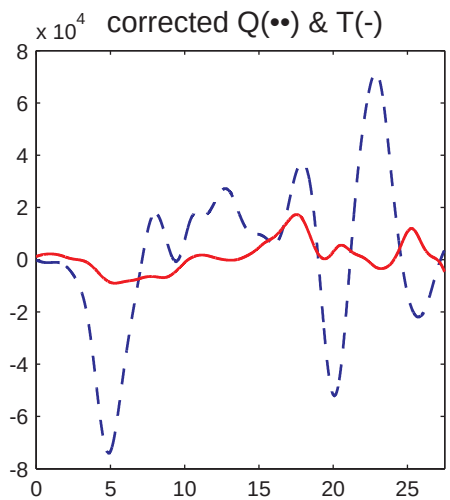


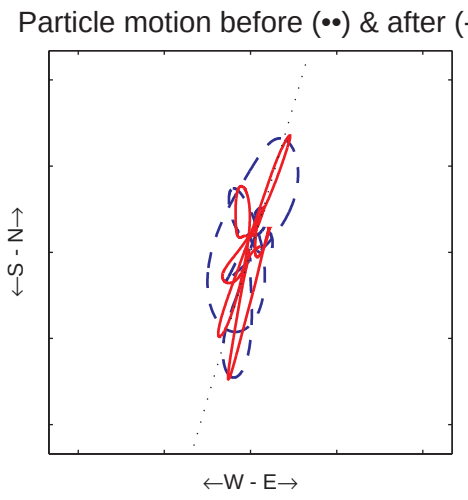


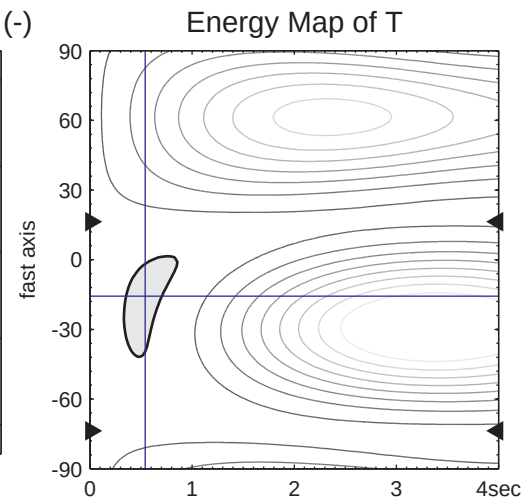


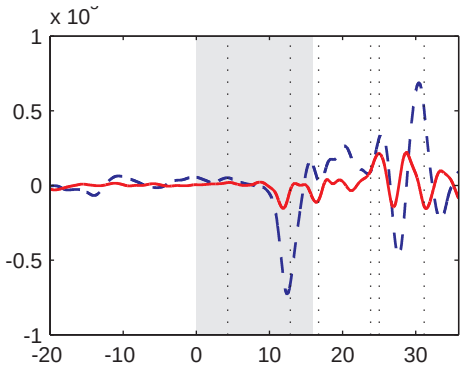








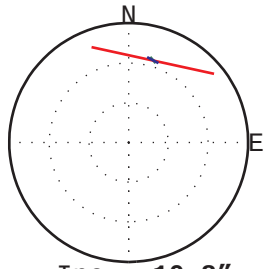




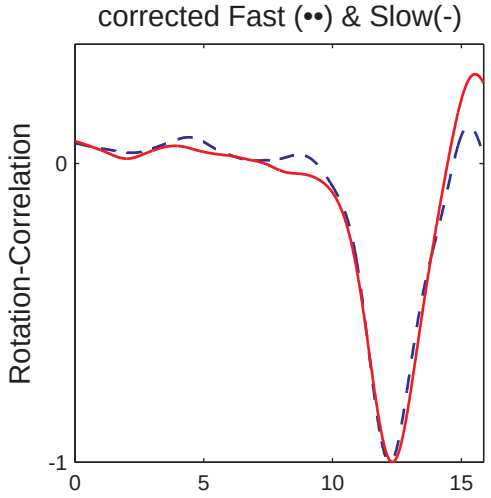
Event: **24-Jun-2011 (175) 03:09 52.05N -171.84E 52km Mw=7.3**
Station: **YAHY** Backazimuth: **16.4”** Distance: **86.79”**
init.Pol.: **188.3”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**11.6**

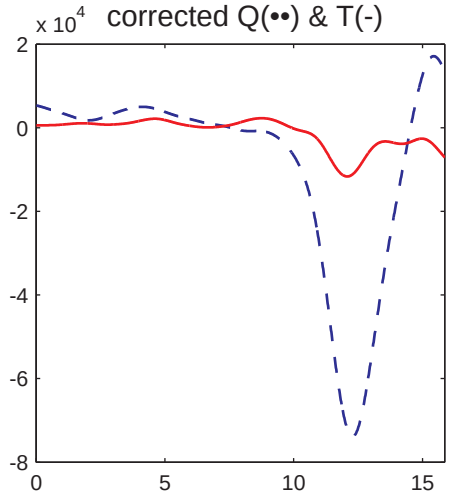
Rotation Correlation:	-53<	-41° <	-30	0.2<0.3s<0.3
Minimum Energy:	-82<	-78° <	-78	3.1<3.9s<4.0
Eigenvalue:	-78<	-62° <	-31	0.2<0.4s<0.9

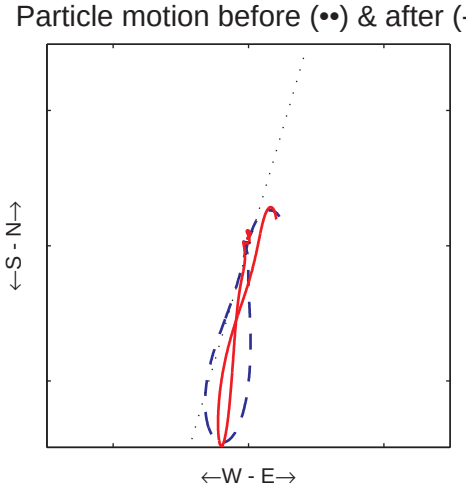
Quality: **good** IsNull: **Yes** Phase: **SKS**

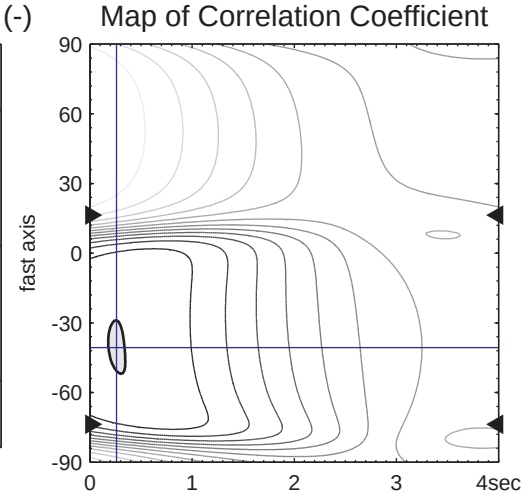


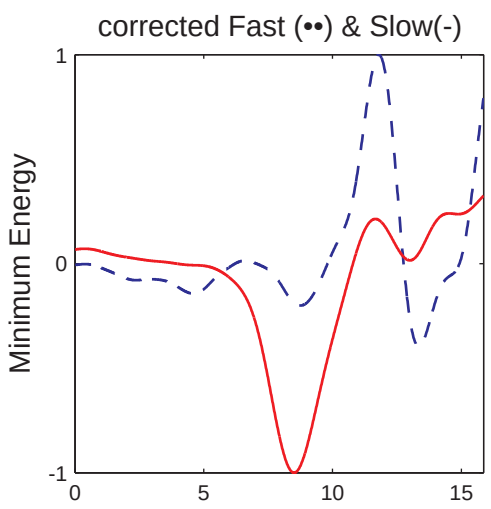
Inc = **10.8”**

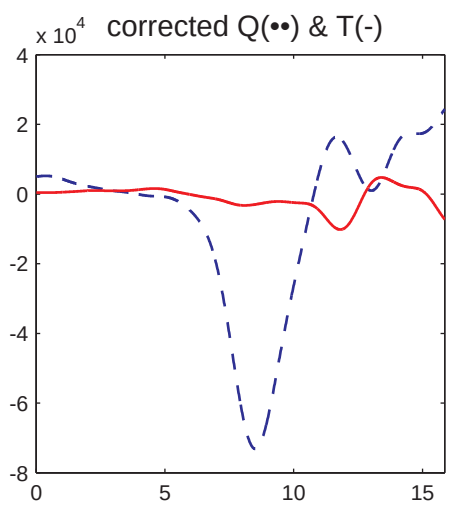


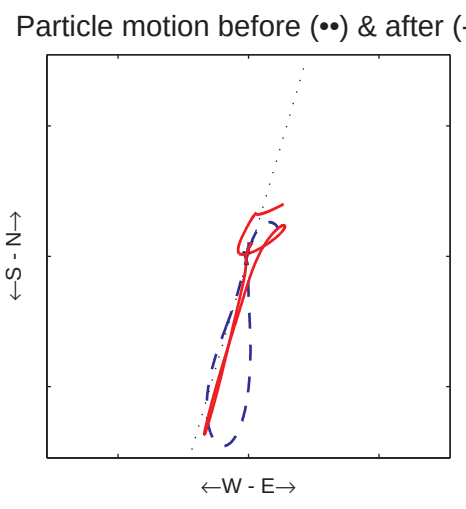


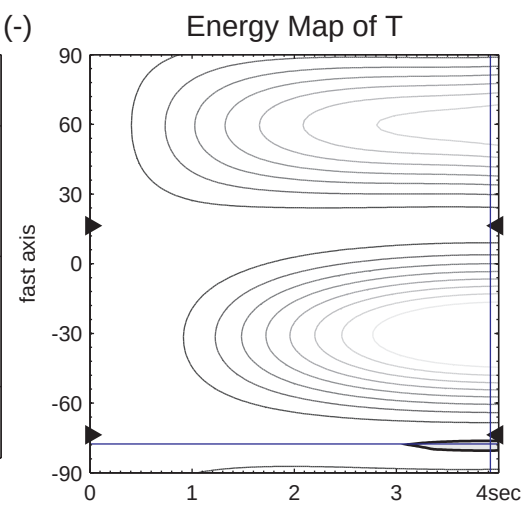


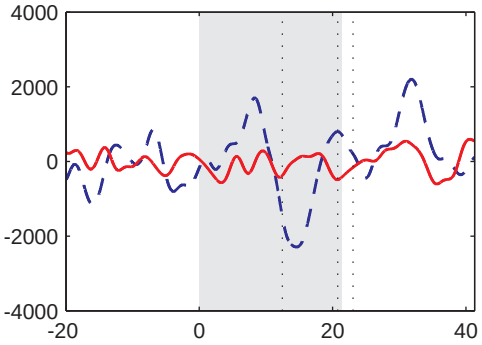








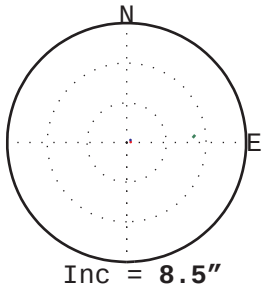


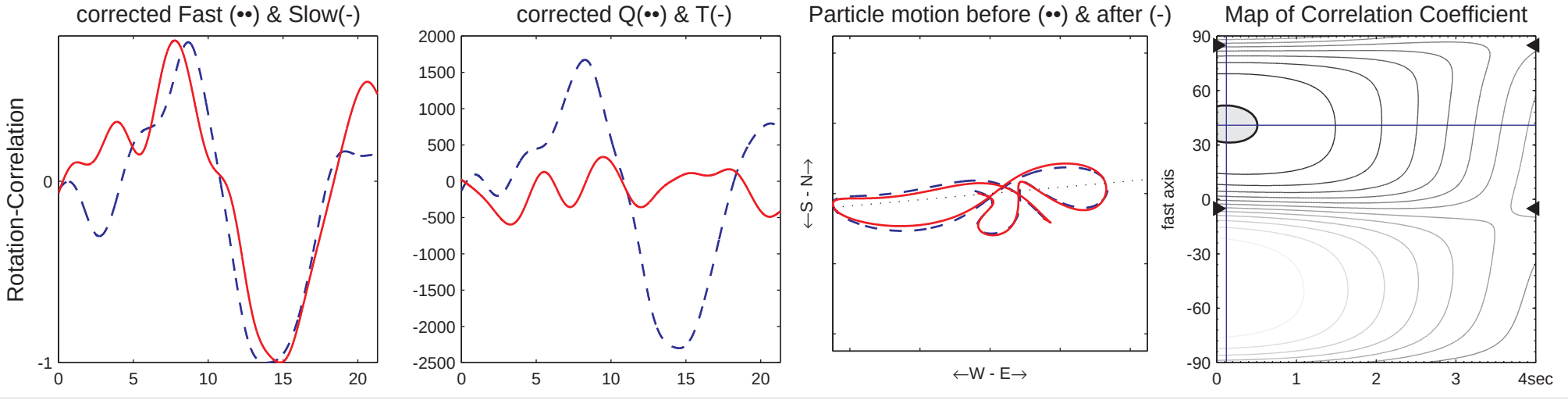


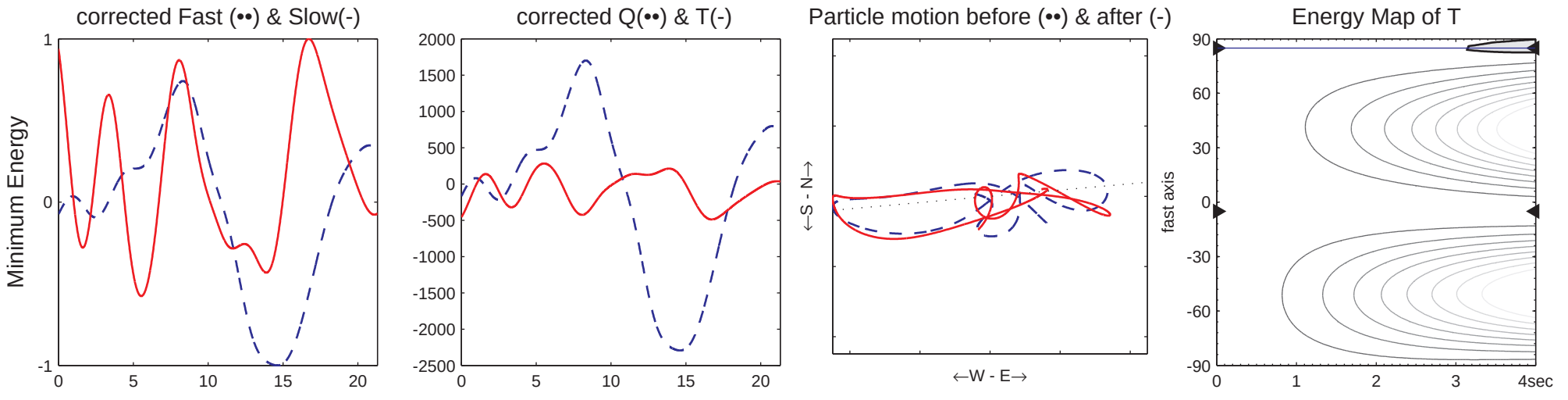
Event: **26-Jun-2011 (177) 12:19 -2.41N 136.66E 18km Mw=5.6**
Station: **YAHY** Backazimuth: **84.9”** Distance: **100.37”**
init.Pol.: **269.1”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

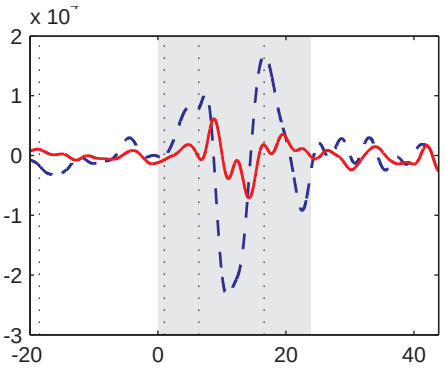
Rotation Correlation:	32<	41° <	52	0.0<0.1s<0.5
Minimum Energy:	82<	85° <	-92	3.1<4.0s<4.0
Eigenvalue:	84<	87° <	-90	2.2<4.0s<4.0

Quality: **good** IsNull: **Yes** Phase: **SKS**





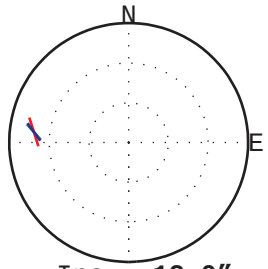




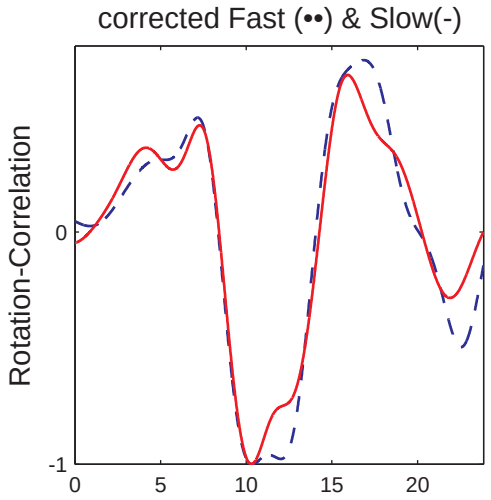
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **YAHY** Backazimuth: **276.3”** Distance: **110.33”**
init.Pol.: **92.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **9.3**

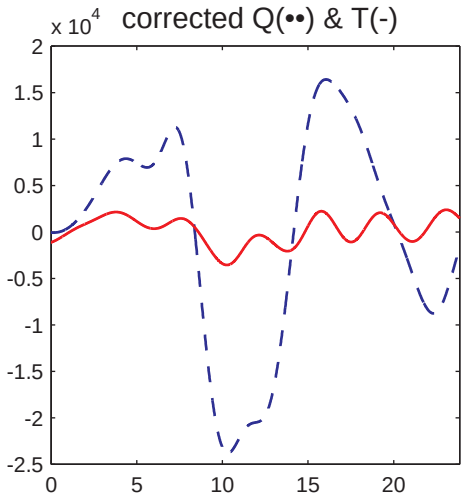
Rotation Correlation:	-53< -42° < -33	0.5<0.7s<0.8
Minimum Energy:	-37< -18° < -9	0.6<0.9s<1.4
Eigenvalue:	-62< -36° < -17	0.5<0.7s<1.0

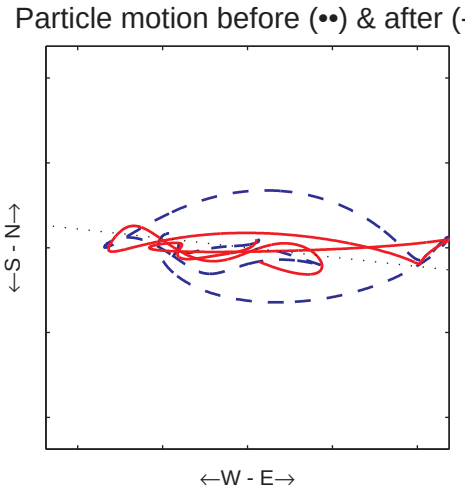
Quality: **fair** IsNull: **No** Phase: **SKKS**

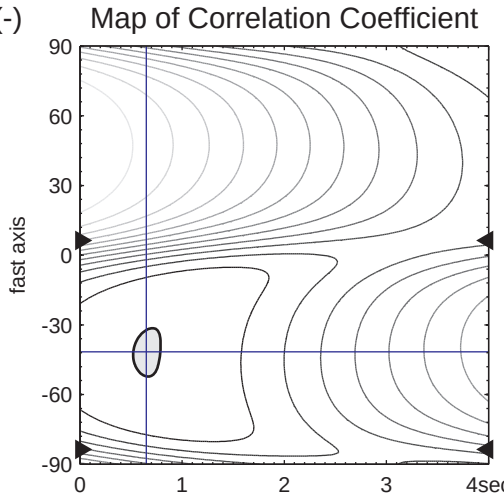


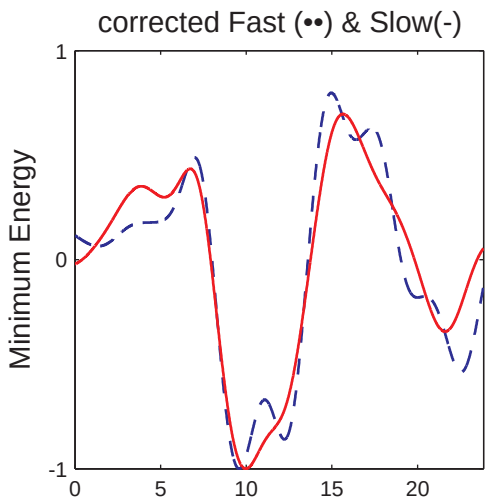
Inc = **12.0”**

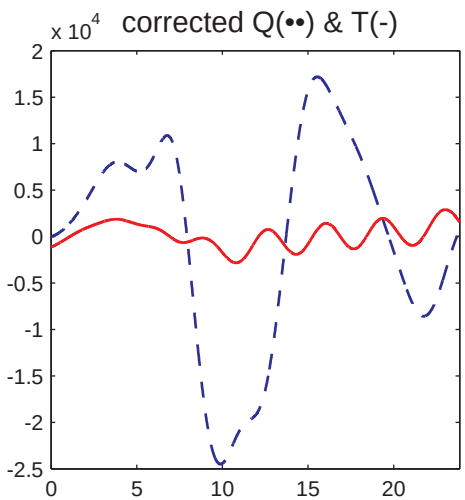


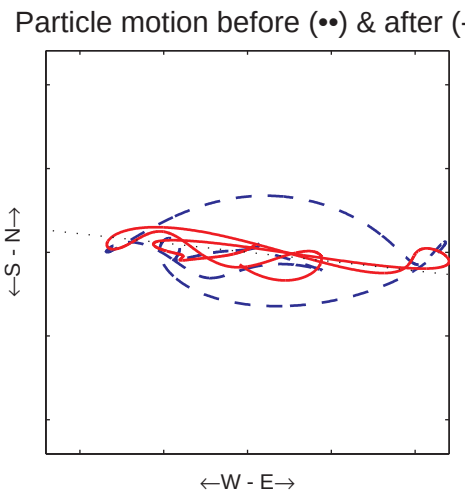


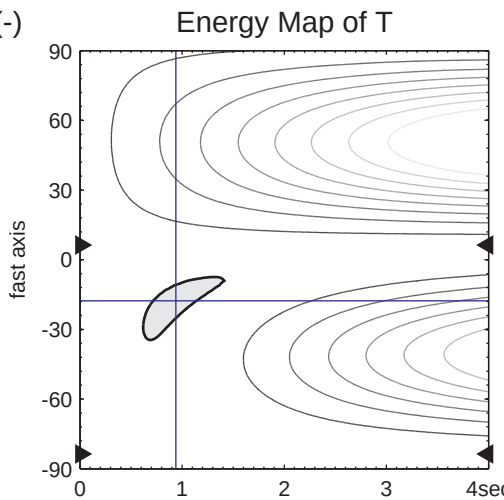


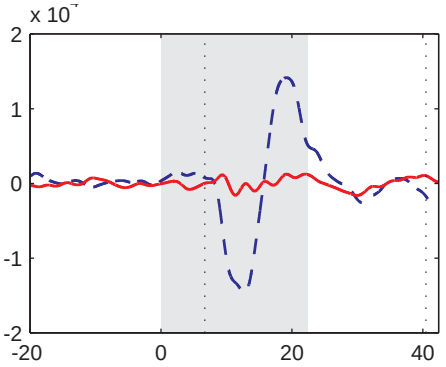








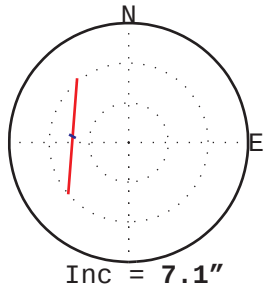


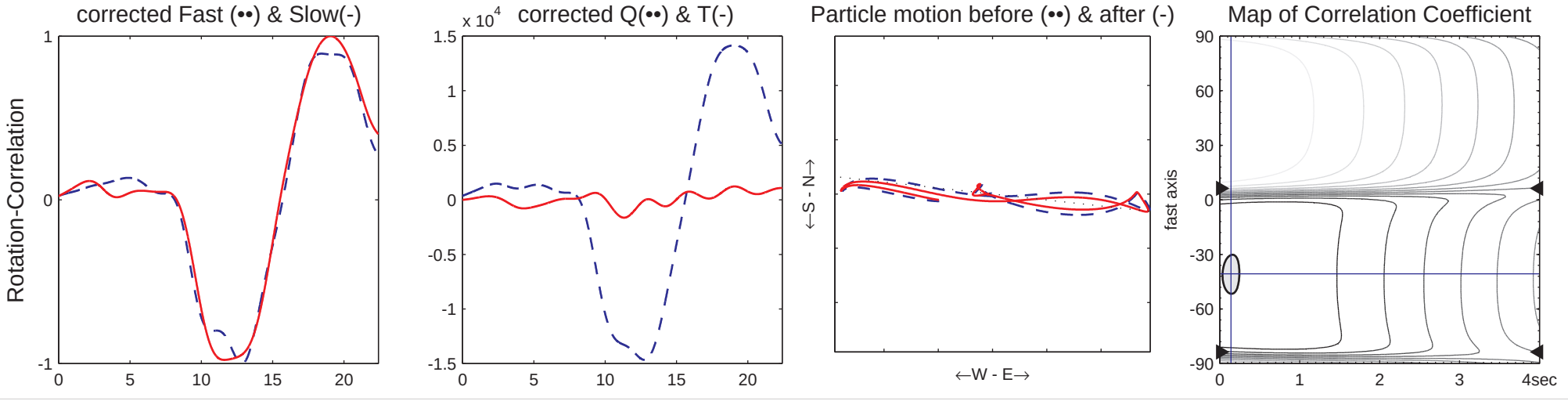


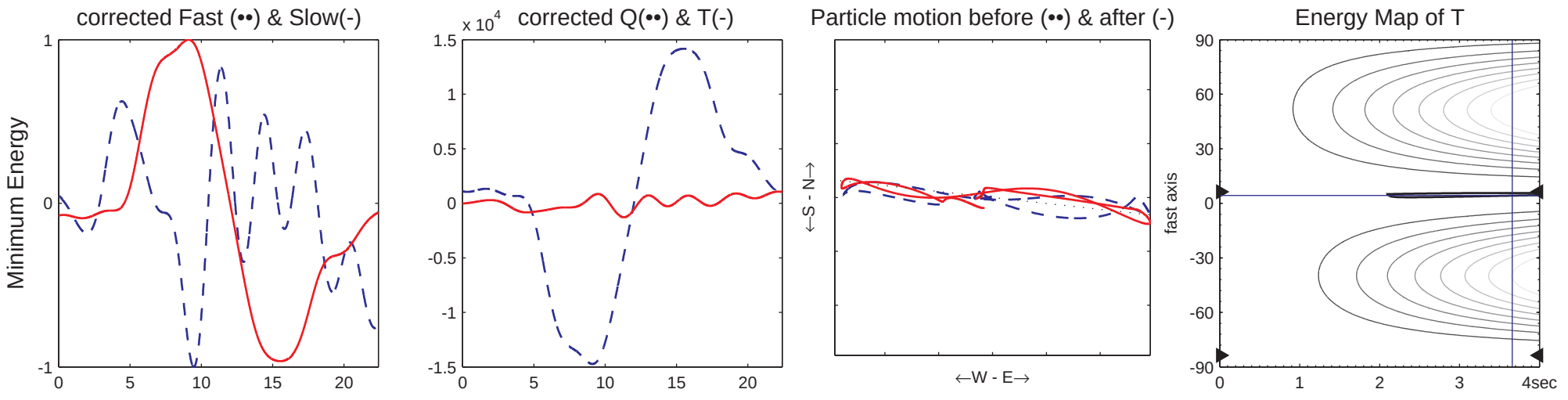
Event: **24-Aug-2011 (236) 17:46 -7.64N -74.53E 147km Mw=7.0**
Station: **YAHY** Backazimuth: **276.3”** Distance: **110.33”**
init.Pol.: **93.3”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.8**

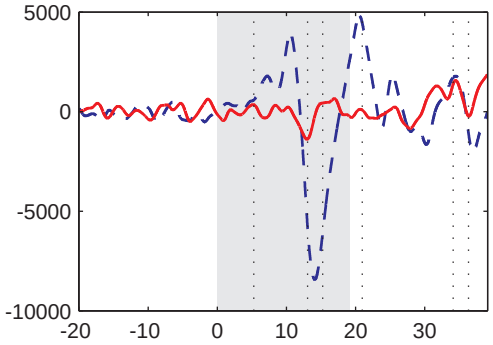
Rotation Correlation:	-53<	-41° <	-31	0.0<0.1s<0.2
Minimum Energy:	3<	4° <	5	2.1<3.7s<4.0
Eigenvalue:	-86<	-62° <	-1	0.1<0.2s<1.6

Quality: **good** IsNull: **Yes** Phase: **SKS**





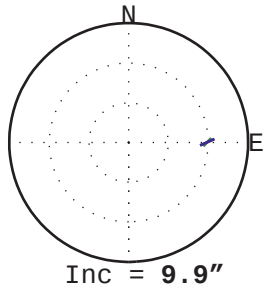


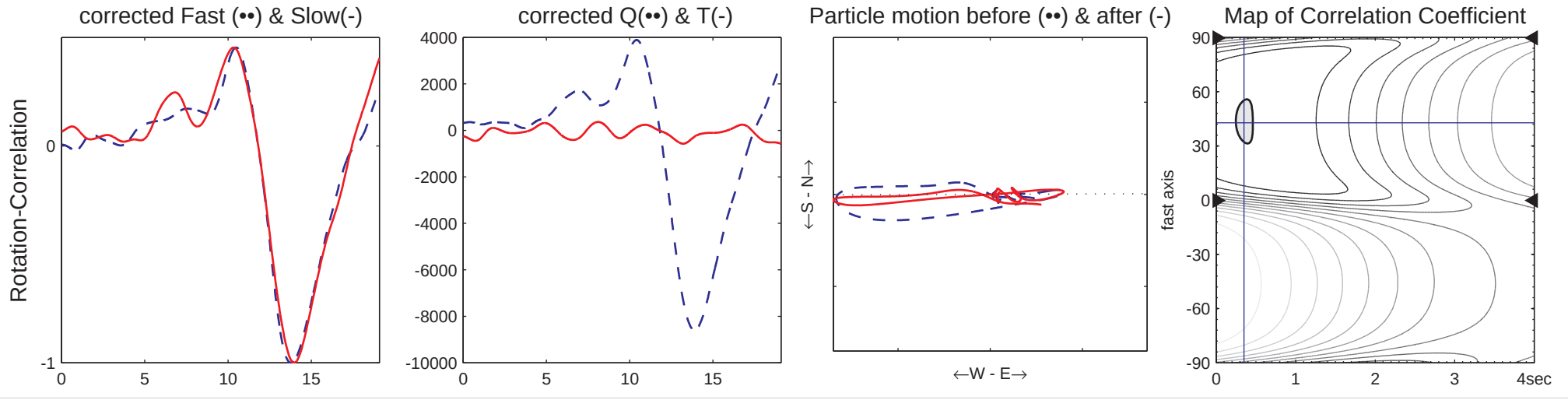


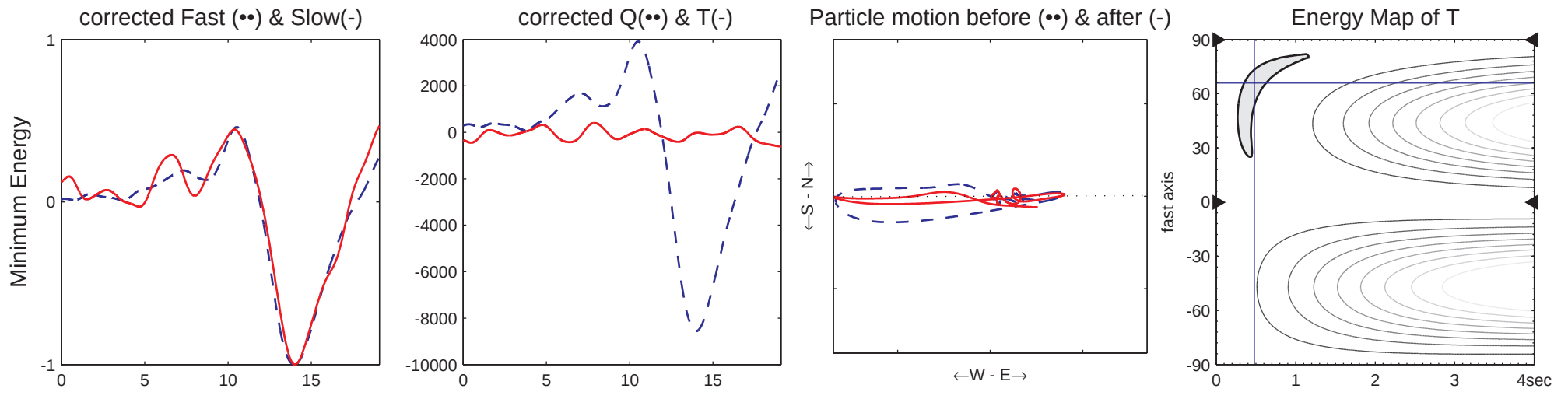
Event: **14-Nov-2011 (318) 04:05 -0.95N 126.91E 17km Mw=6.3**
Station: **YAHY** Backazimuth: **89.8”** Distance: **91.80”**
init.Pol.: **269.7”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}:**18.0**

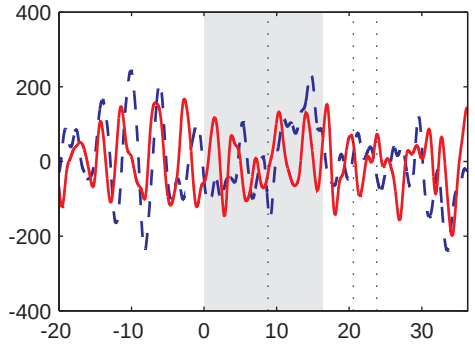
Rotation Correlation:	32<	43° <	56	0.2<0.4s<0.5
Minimum Energy:	25<	66° <	82	0.3<0.5s<1.2
Eigenvalue:	15<	66° <	84	0.3<0.5s<1.5

Quality: **fair** IsNull: **No** Phase: **SKS**





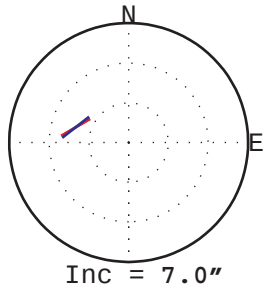


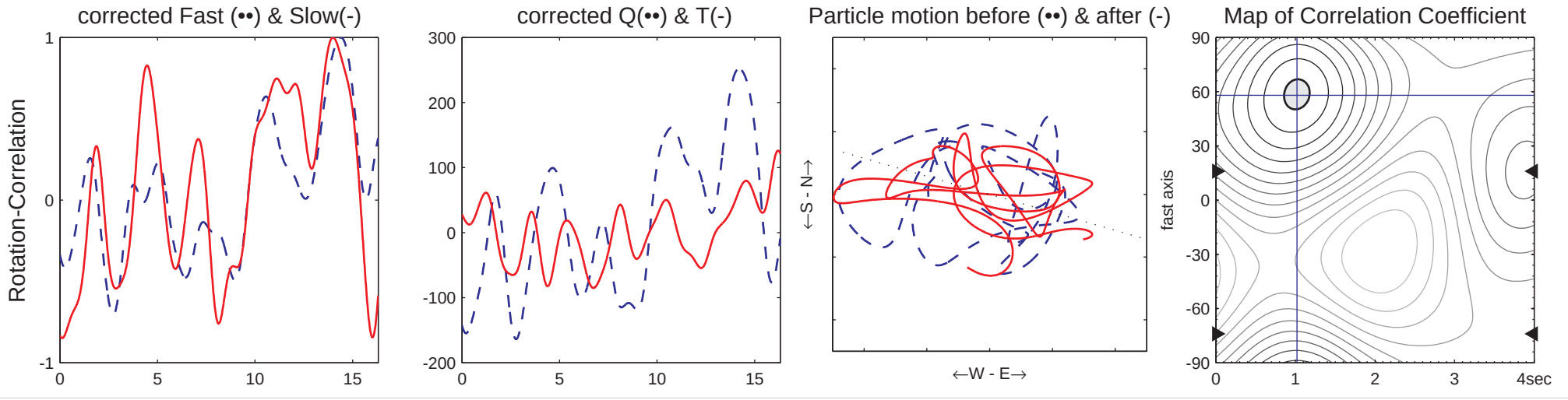


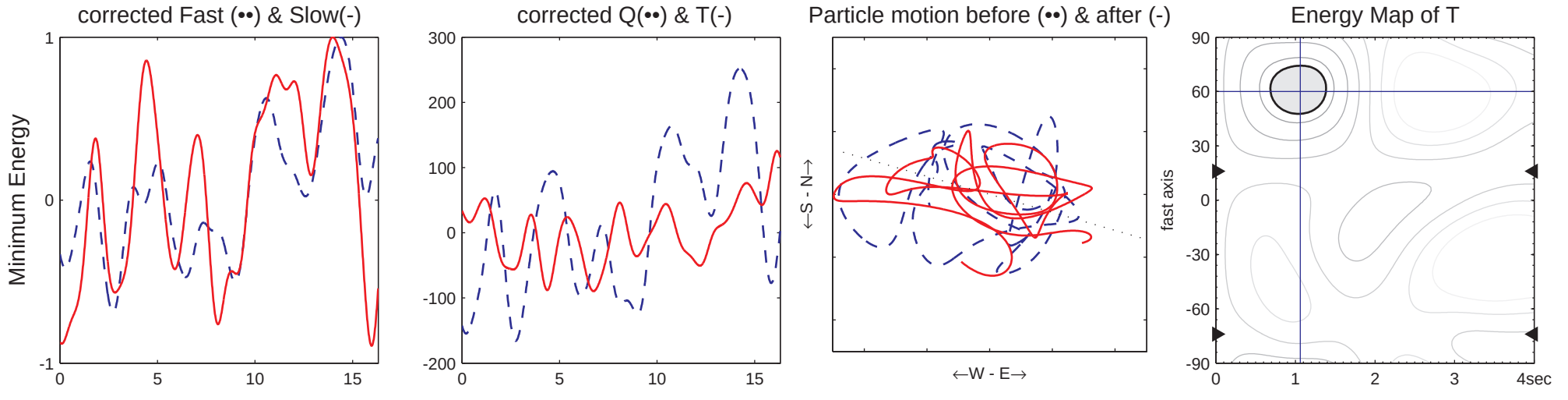
Event: **17-Nov-2011 (321) 01:57 -1.70N -81.55E 26km Mw=6.0**
Station: **YAHY** Backazimuth: **286.0”** Distance: **111.98”**
init.Pol.: **95.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **2.7**

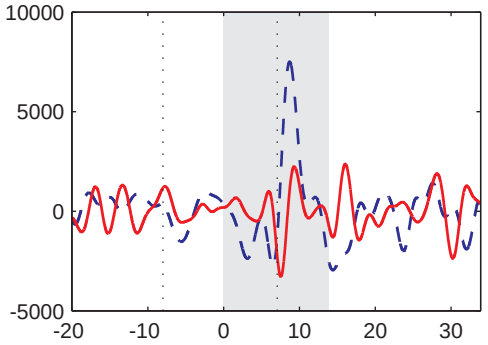
Rotation Correlation:	50<	58° <	67	0.9<1.0s<1.2
Minimum Energy:	48<	60° <	74	0.7<1.1s<1.4
Eigenvalue:	37<	52° <	70	0.7<1.1s<1.4

Quality: **fair** IsNull: **No** Phase: **SKS**





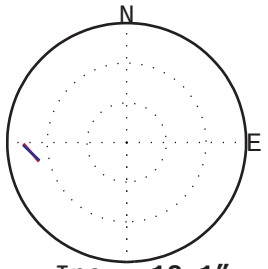




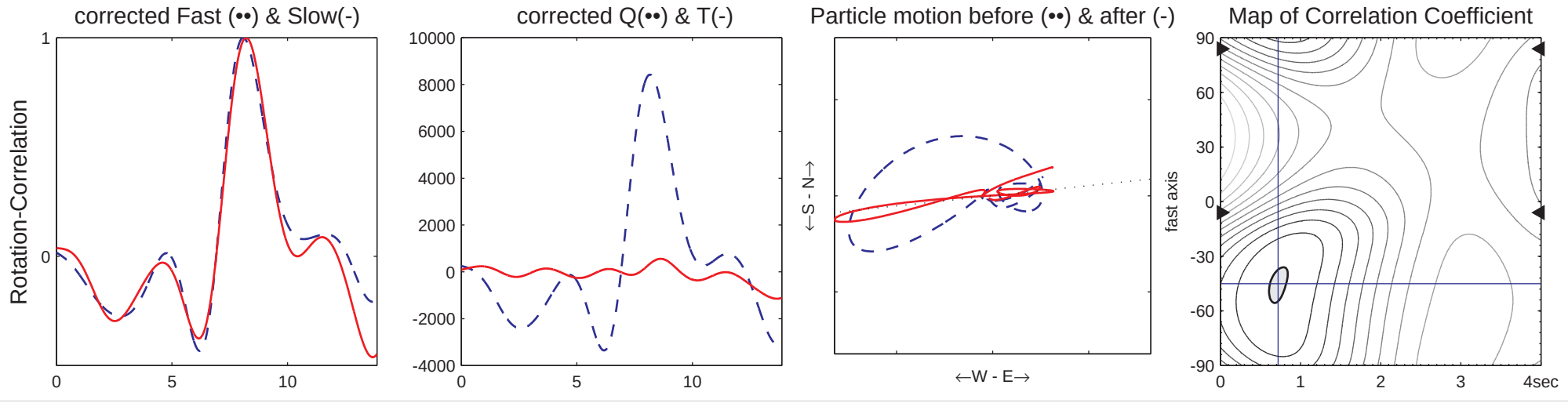
Event: **22-Nov-2011 (326) 18:48 -15.36N -65.09E 549km** Mw=**6.6**
Station: **YAHY** Backazimuth: **263.9”** Distance: **107.53”**
init.Pol.: **80.4”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}:**12.6**

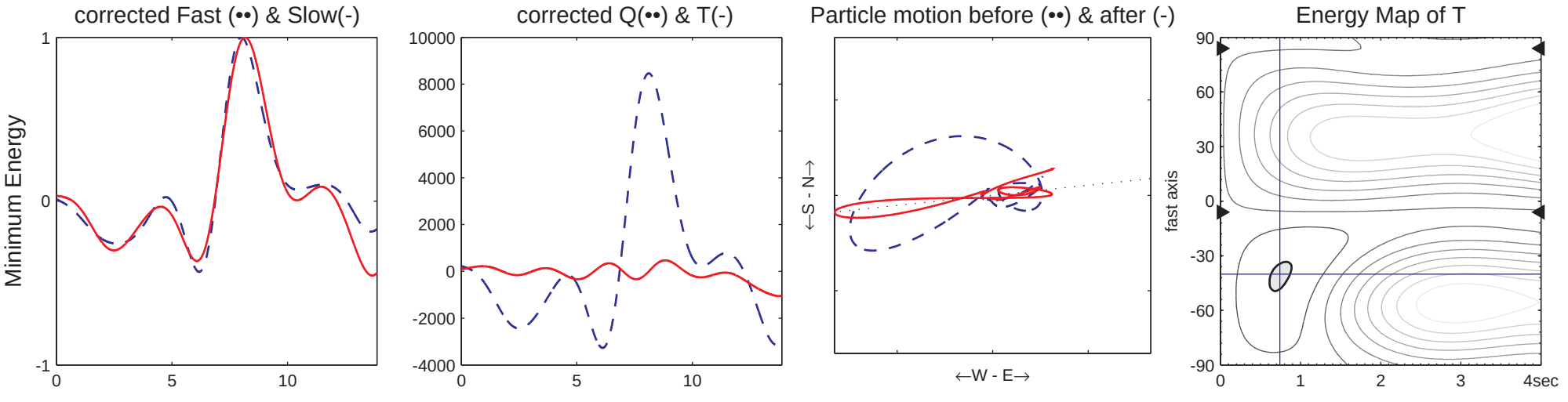
Rotation Correlation:	-57<	-45° <	-37 0.6<0.7s<0.8
Minimum Energy:	-52<	-40° <	-35 0.6<0.7s<0.9
Eigenvalue:	-62<	-46° <	-39 0.6<0.7s<0.8

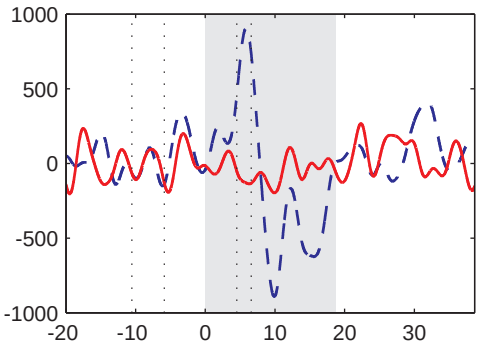
Quality: **good** IsNull: **No** Phase: **SKKS**



Inc = **12.1”**

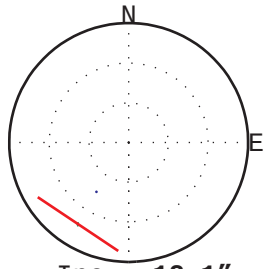




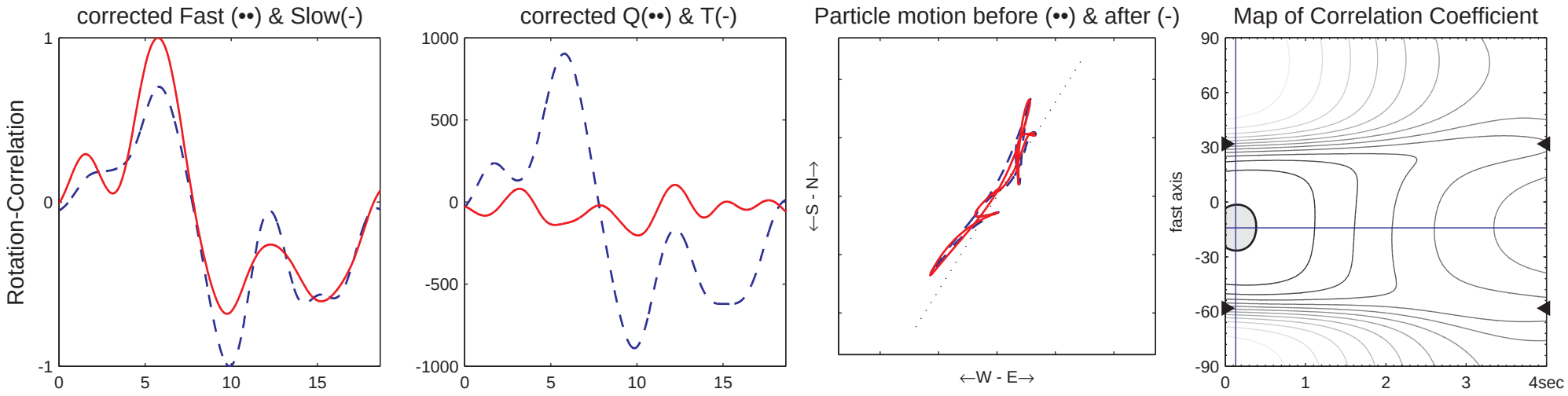


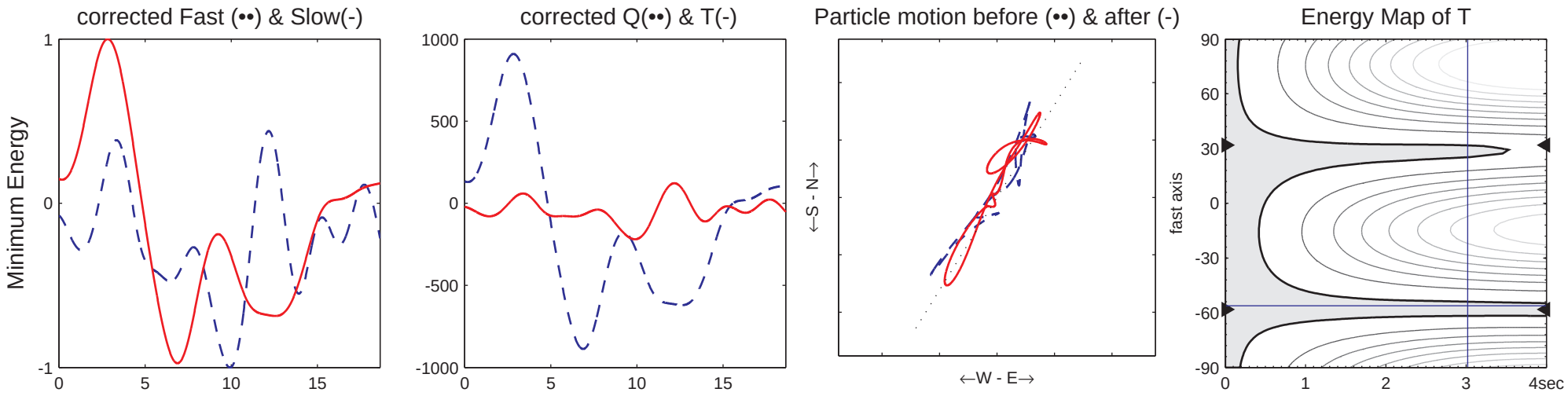
Event: **11-Dec-2011 (345) 09:54 -56.01N -28.18E 116km** Mw=**6.2**
Station: **YAHY** Backazimuth: **211.8”** Distance: **108.39”**
init.Pol.: **34.8”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **6.3**

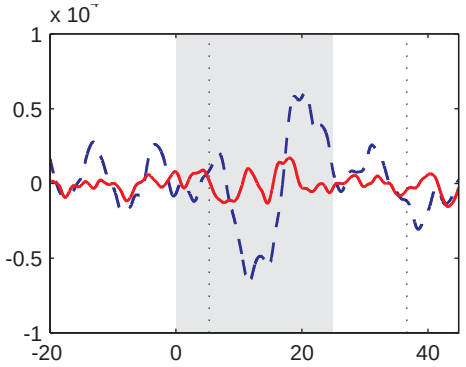
Rotation Correlation: -28< -14° < -3 0.0<0.1s<0.4
Minimum Energy: -Inf< -56° < Inf 0.0<3.0s<Inf
Eigenvalue: -64< 30° < 33 0.0<2.3s<4.0
Quality: **good** IsNull: **Yes** Phase: **SKKS**



Inc = **12.1”**



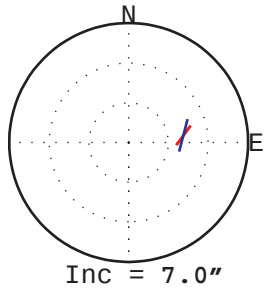


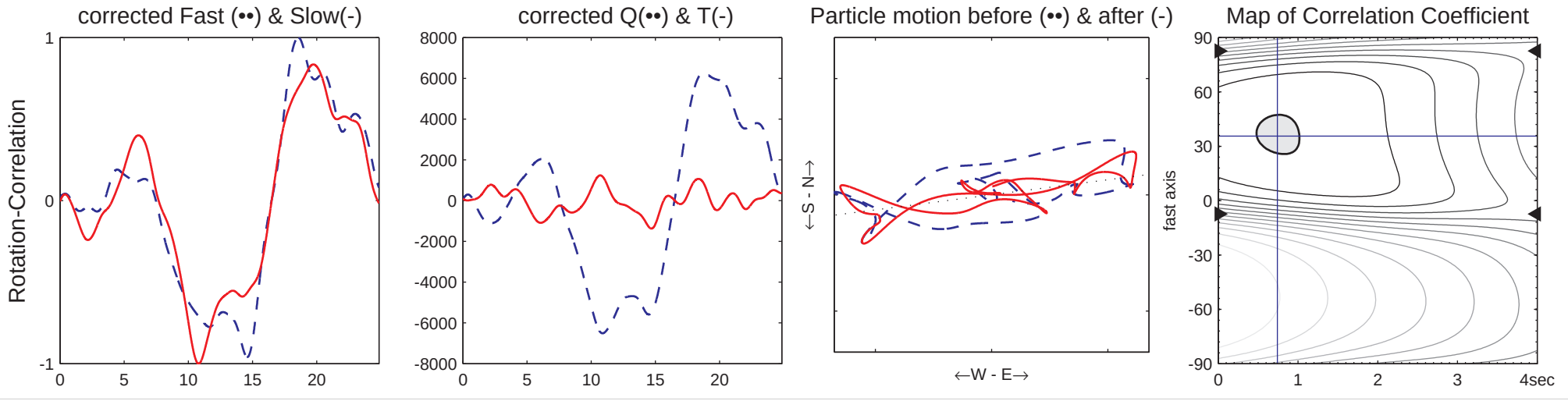


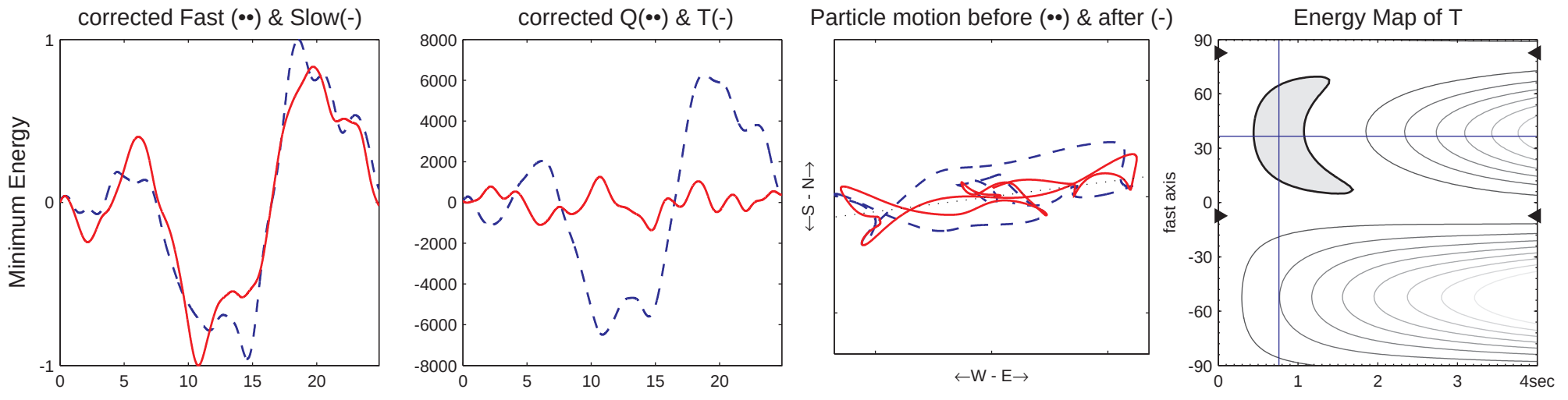
Event: **14-Dec-2011 (348) 05:04 -7.56N 146.80E 140km Mw=7.1**
Station: **YAHY** Backazimuth: **82.6”** Distance: **111.49”**
init.Pol.: **260.2”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **5.7**

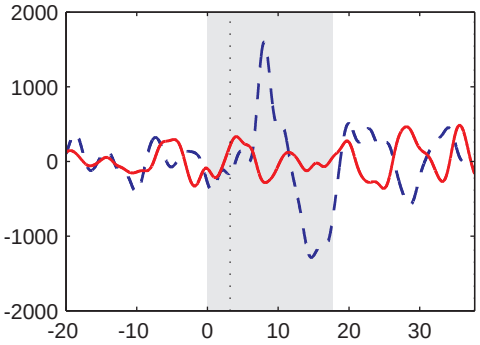
Rotation Correlation:	26<	36° <	48	0.5<0.7s<1.0
Minimum Energy:	5<	37° <	70	0.4<0.8s<1.7
Eigenvalue:	-1<	15° <	70	0.5<1.1s<2.1

Quality: **fair** IsNull: **No** Phase: **SKS**





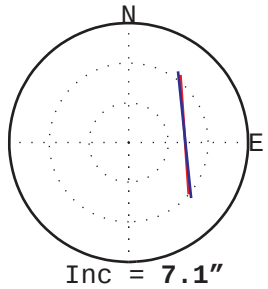


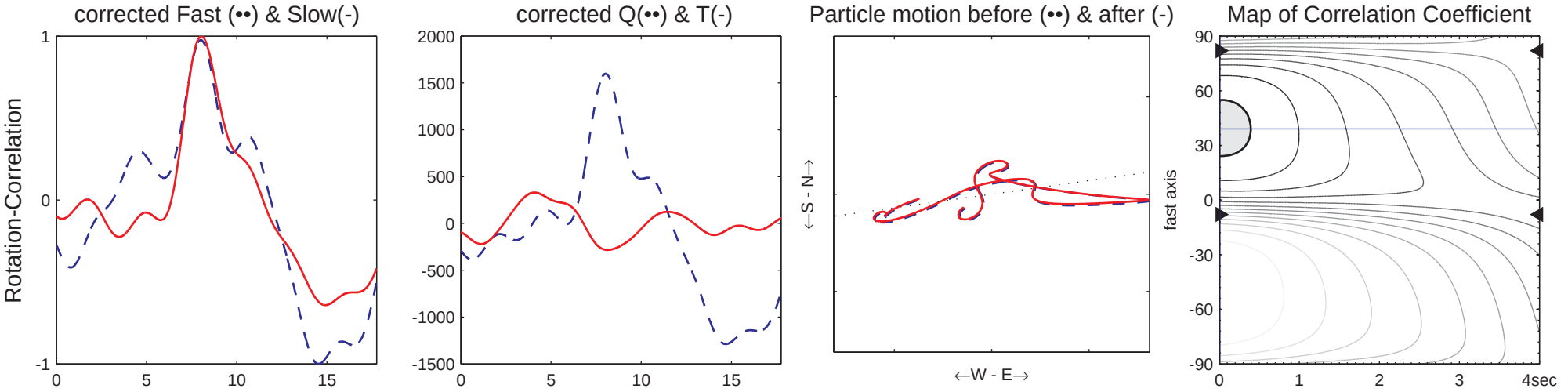


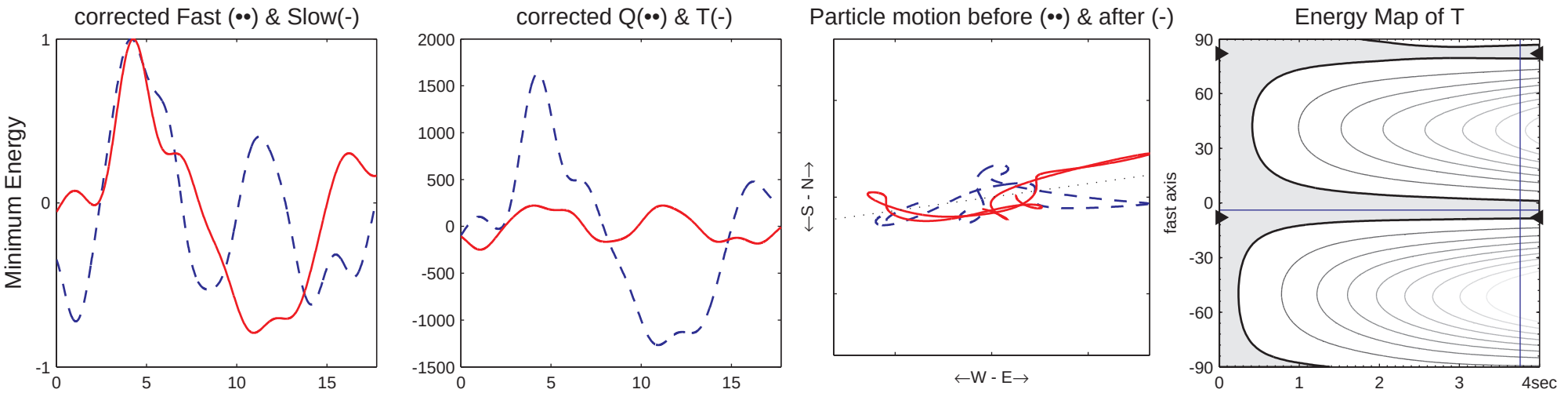
Event: **21-Mar-2012 (081) 22:15 -6.24N 145.96E 118km Mw=6.6**
Station: **YAHY** Backazimuth: **82.0”** Distance: **110.01”**
init.Pol.: **258.9”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.4**

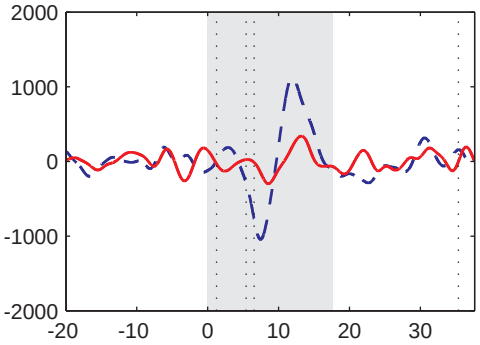
Rotation Correlation:	25<	39° < 55	0.0<0.0s<0.4
Minimum Energy:	-Inf<	-4° < Inf	0.0<3.8s<Inf
Eigenvalue:	-Inf<	-6° < Inf	0.0<4.0s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





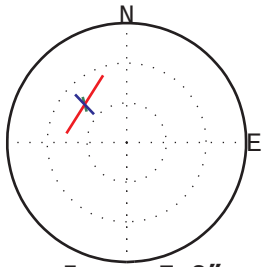


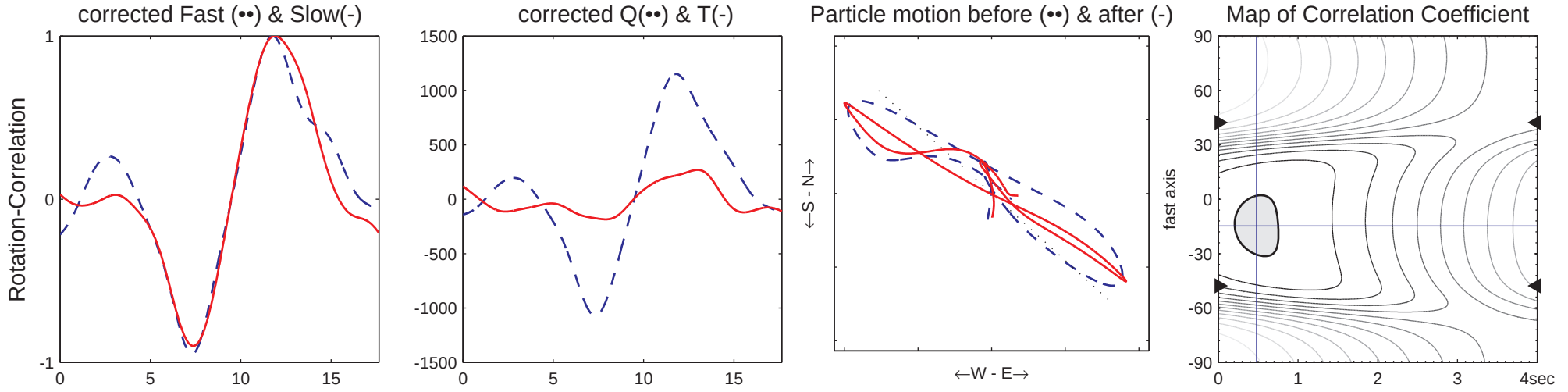


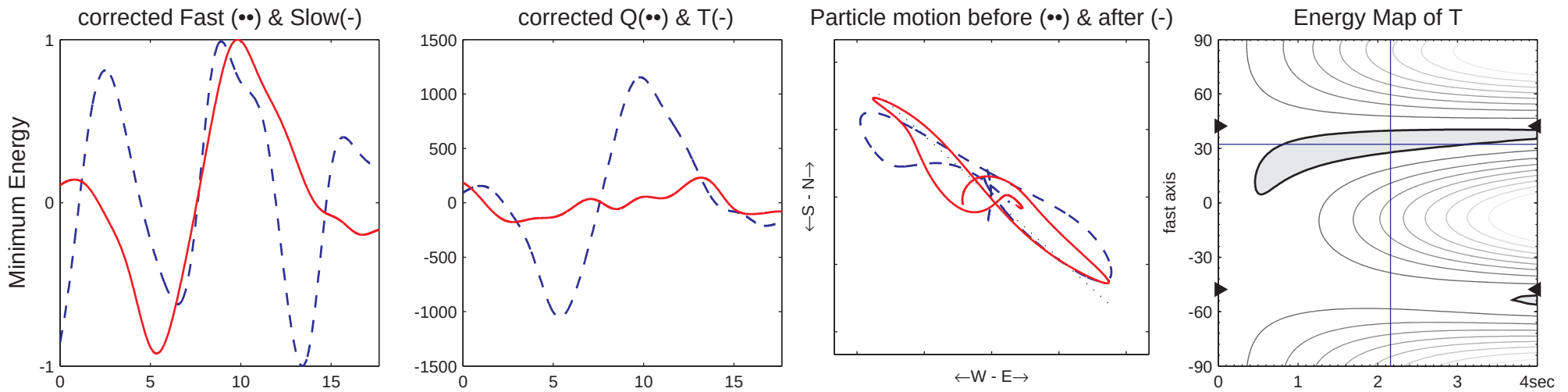
Event: **02-Apr-2012 (093) 17:36 16.40N -98.32E 9km Mw=6.0**
Station: **YAHY** Backazimuth: **312.3”** Distance: **110.32”**
init.Pol.: **119.0”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.2**

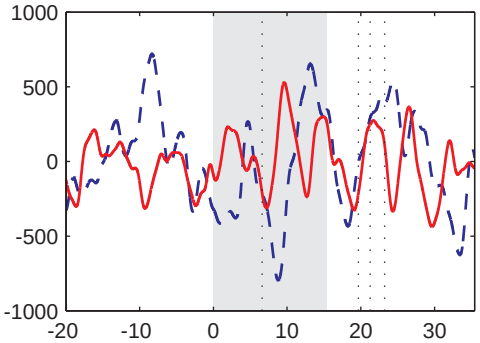
Rotation Correlation:	-33<	-15° <	2	0.2<0.5s<0.8
Minimum Energy:	5<	32° <	39	0.5<2.2s<4.0
Eigenvalue:	-58<	-44° <	11	0.3<0.9s<1.8

Quality: **fair** IsNull: **Yes** Phase: **SKS**





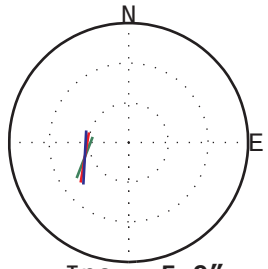




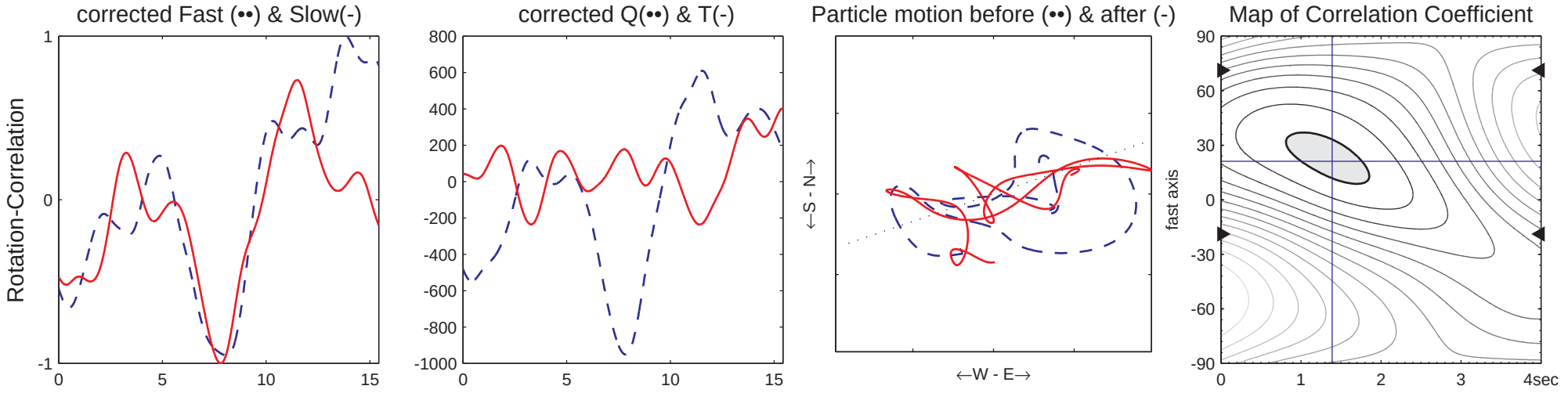
Event: **17-Apr-2012 (108) 03:50 -32.63N -71.36E 29km Mw=6.7**
Station: **YAHY** Backazimuth: **251.2”** Distance: **121.56”**
init.Pol.: **66.1”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.4**

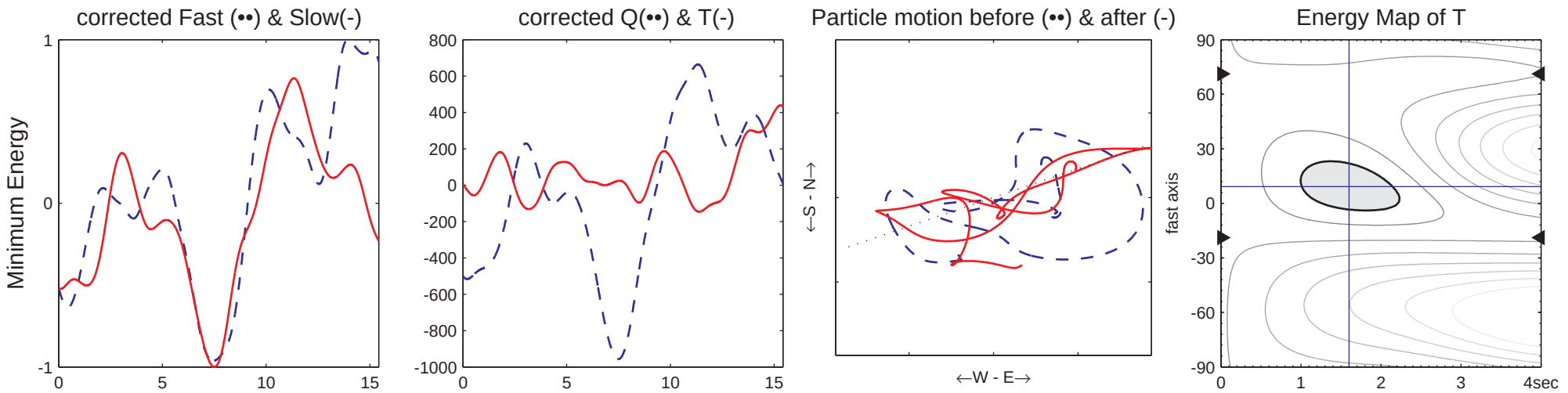
Rotation Correlation:	9<	21° <	37	0.8<1.4s<1.9
Minimum Energy:	-3<	9° <	23	1.0<1.6s<2.2
Eigenvalue:	-11<	3° <	21	1.1<1.7s<2.3

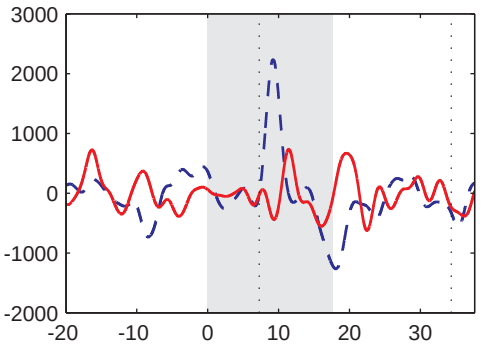
Quality: **fair** IsNull: **No** Phase: **SKS**



Inc = **5.9”**



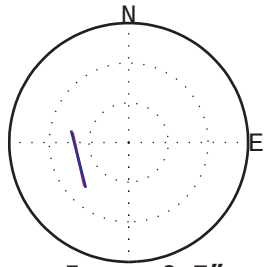


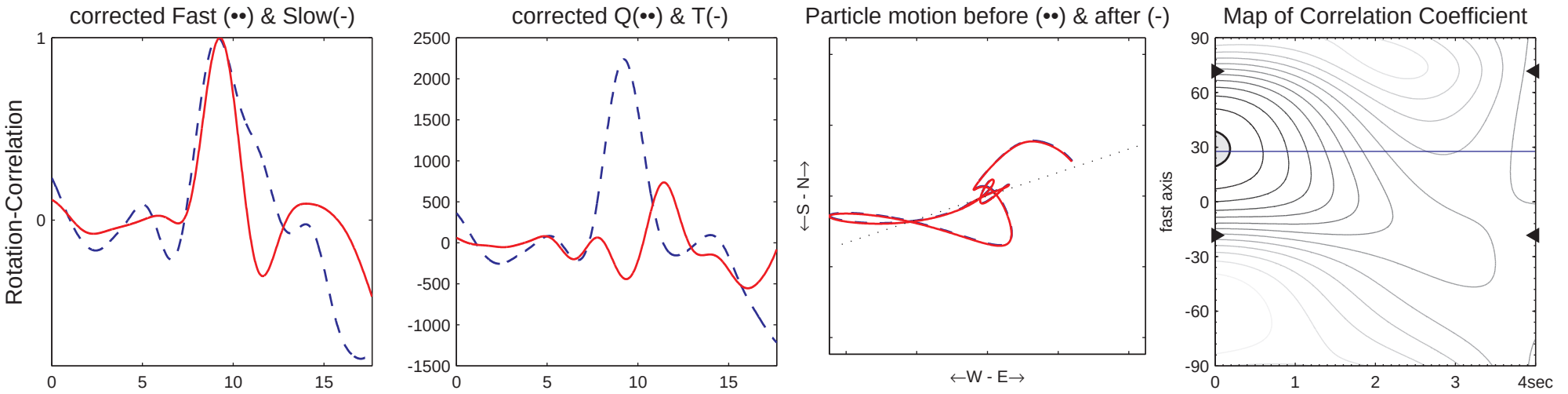


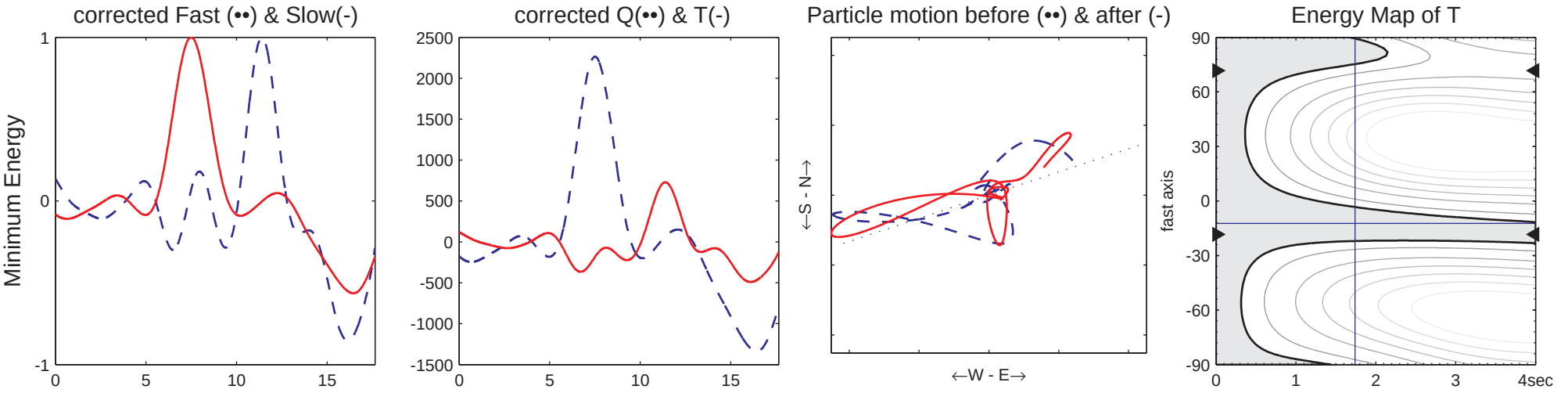
Event: **28-May-2012 (149) 05:07 -28.04N -63.09E 586km** Mw=**6.7**
Station: **YAHY** Backazimuth: **251.6”** Distance: **113.09”**
init.Pol.: **68.5”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **4.3**

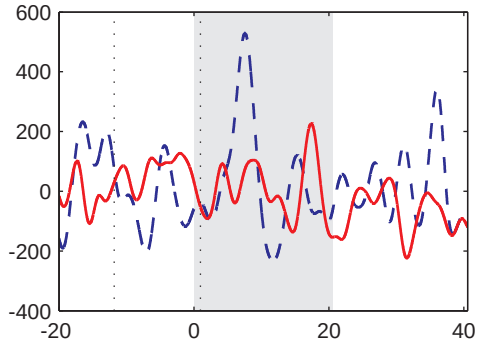
Rotation Correlation:	20<	28° < 39	0.0<0.0s<0.2
Minimum Energy:	-Inf<	-12° < Inf	0.0<1.7s<Inf
Eigenvalue:	-Inf<	-14° < Inf	0.0<1.9s<Inf

Quality: **good** IsNull: **Yes** Phase: **SKS**





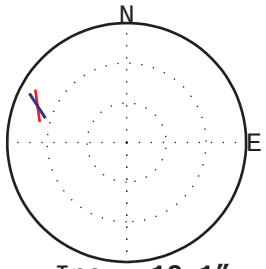




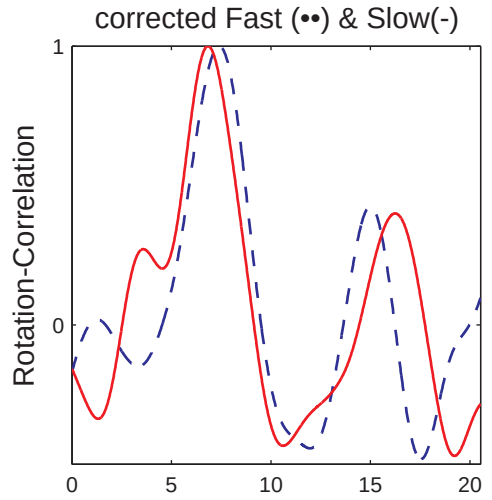
Event: **04-Jun-2012 (156) 00:45 5.30N -82.63E 7km Mw=6.3**
Station: **YAHY** Backazimuth: **292.3”** Distance: **108.10”**
init.Pol.: **103.2”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **3.4**

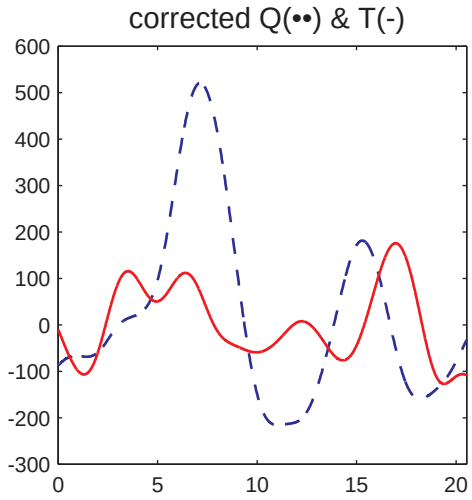
Rotation Correlation:	-40<	-32° < -25	0.7<0.9s<1.2
Minimum Energy:	-48<	-8° < 13	0.4<1.0s<2.1
Eigenvalue:	-70<	-34° < 7	0.4<0.9s<1.9

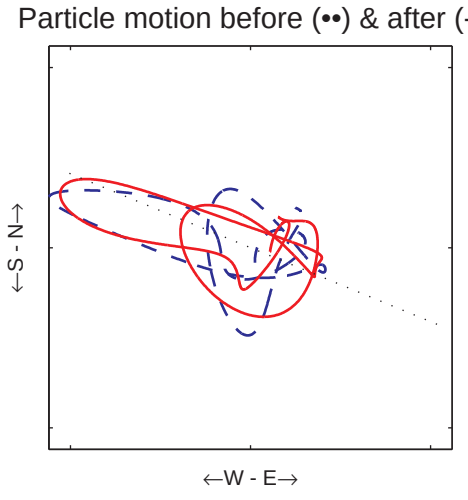
Quality: **fair** IsNull: **No** Phase: **SKKS**

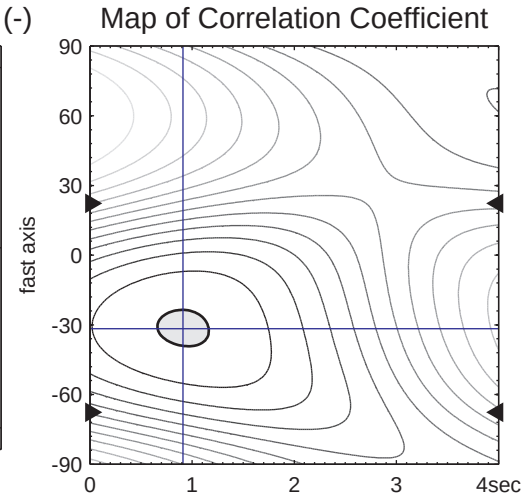


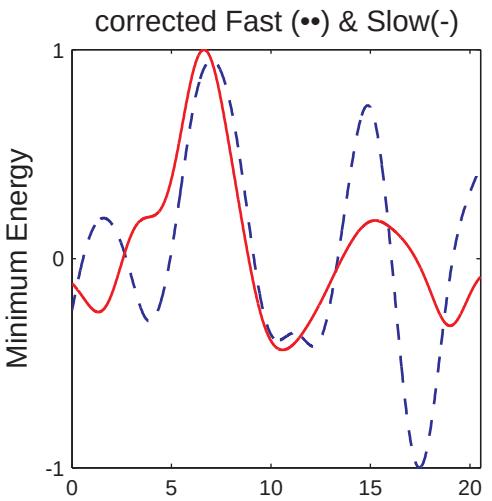
Inc = **12.1”**

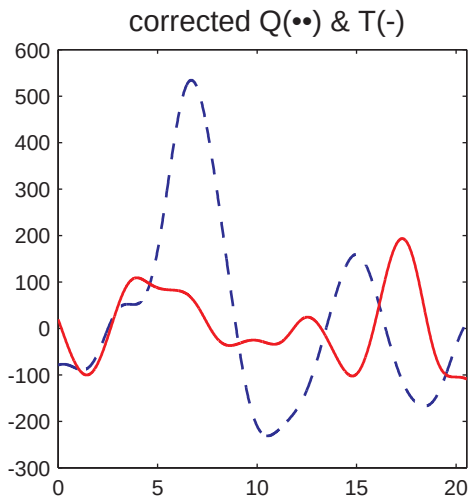


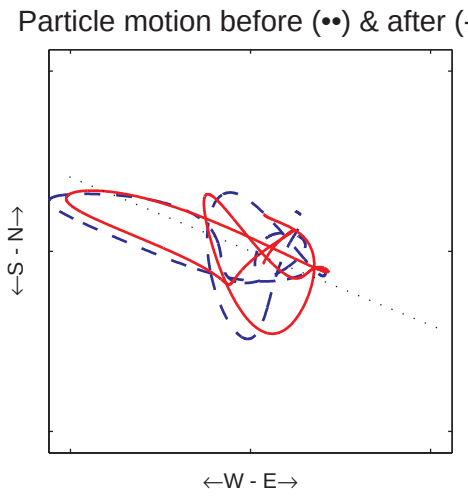


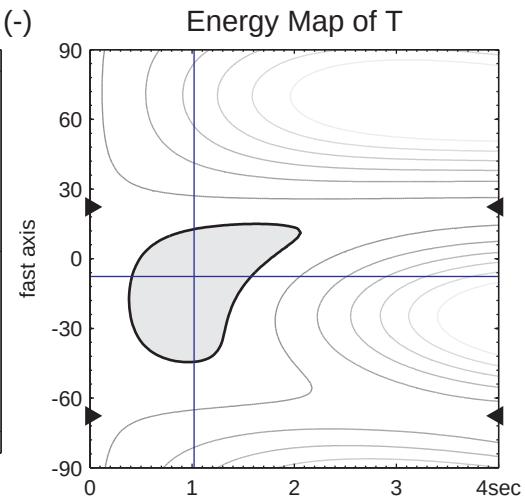


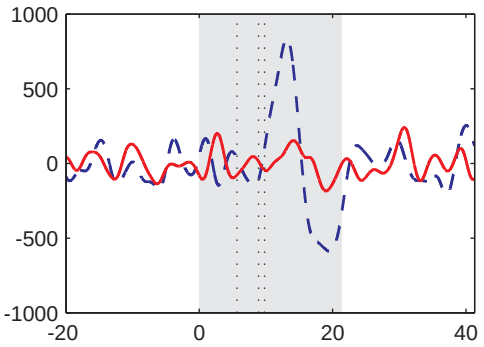








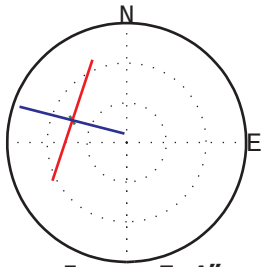




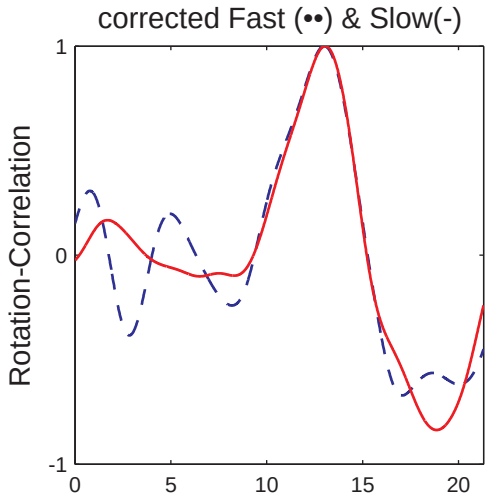
Event: **04-Jun-2012 (156) 00:45 5.30N -82.63E 7km Mw=6.3**
Station: **YAHY** Backazimuth: **292.3”** Distance: **108.10”**
init.Pol.: **99.6”** Filter: **0.010Hz - 0.40Hz** SNR_{SC}: **5.3**

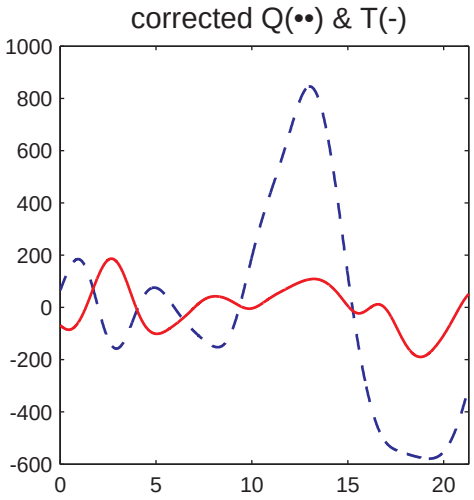
Rotation Correlation:	-44< -31° < -20	0.0<0.3s<0.6
Minimum Energy:	-64< 18° < 21	0.2<4.0s<4.0
Eigenvalue:	-82< -76° < -72	2.2<3.4s<4.0

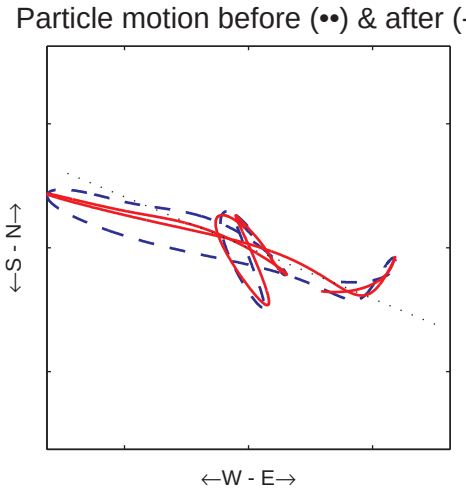
Quality: **good** IsNull: **Yes** Phase: **SKS**

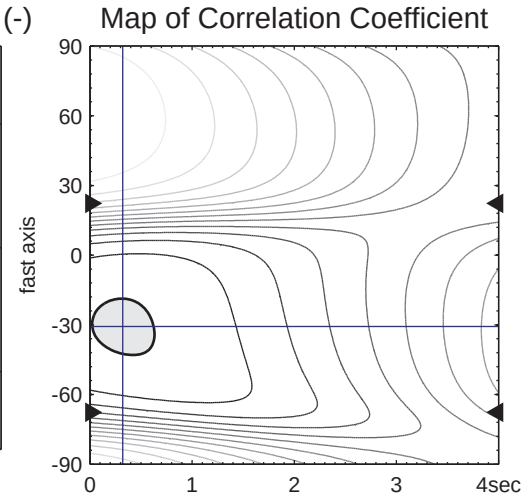


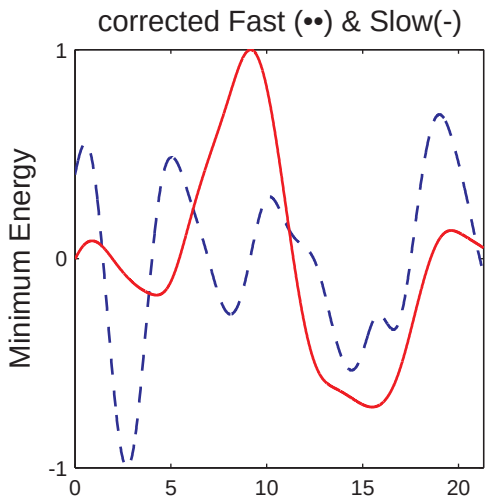
Inc = **7.4”**

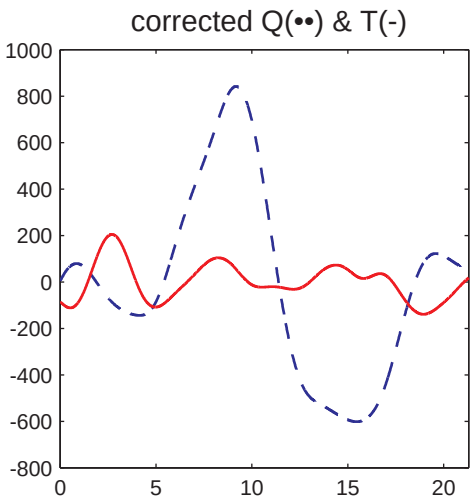


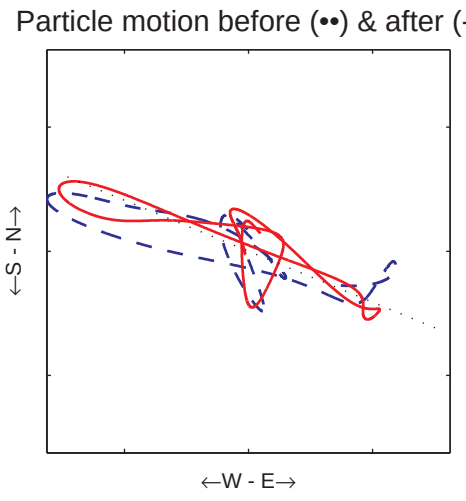


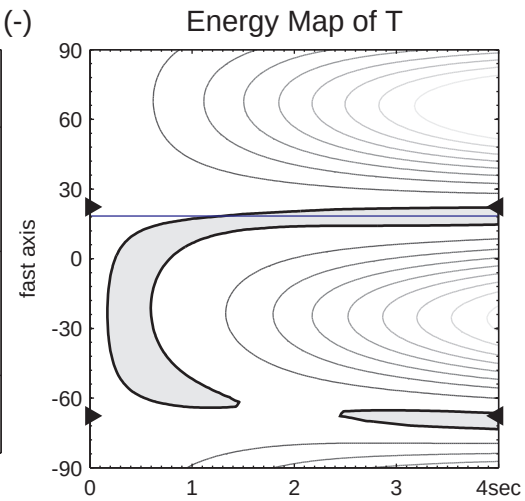


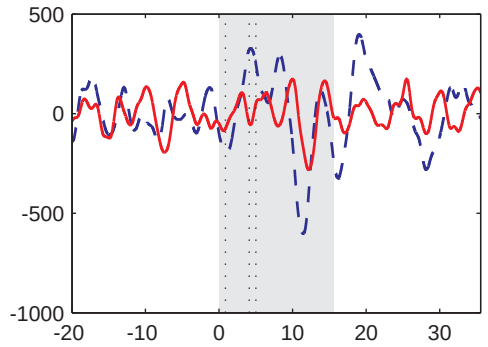








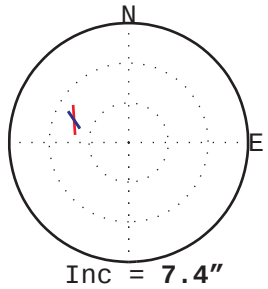


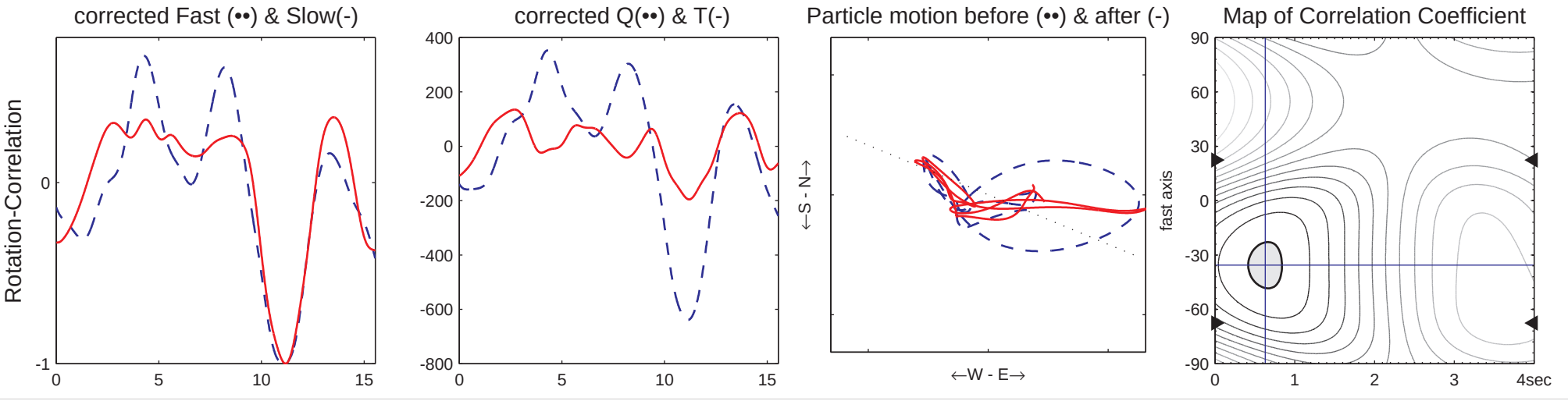


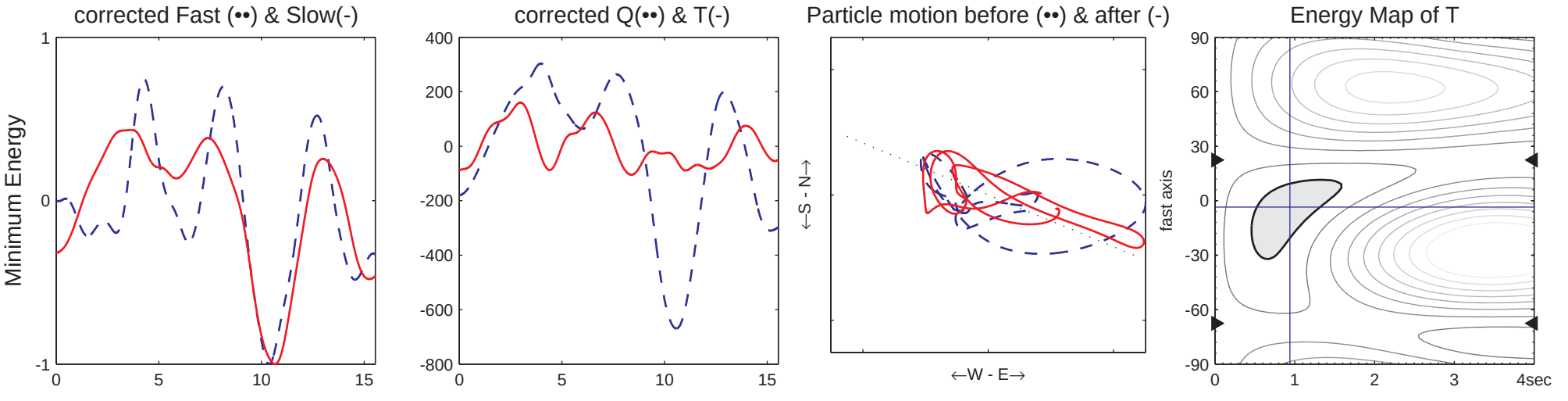
Event: **04-Jun-2012 (156) 03:15 5.51N -82.56E 7km Mw=6.3**
Station: **YAHY** Backazimuth: **292.4”** Distance: **107.92”**
init.Pol.: **99.6”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **4.5**

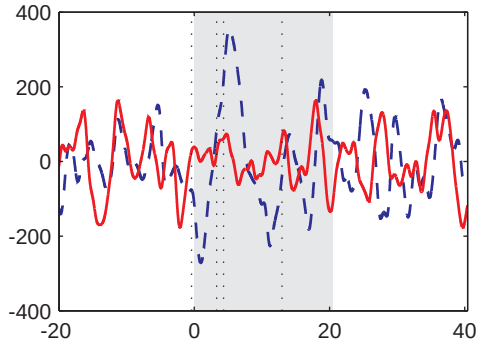
Rotation Correlation:	-50<	-36° <	-24	0.4<0.6s<0.8
Minimum Energy:	-33<	-4° <	9	0.5<0.9s<1.6
Eigenvalue:	-68<	-34° <	-5	0.4<0.7s<1.1

Quality: **fair** IsNull: **No** Phase: **SKS**





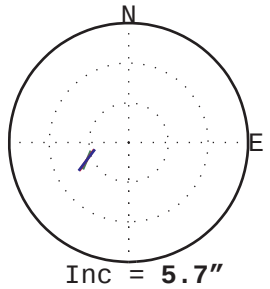


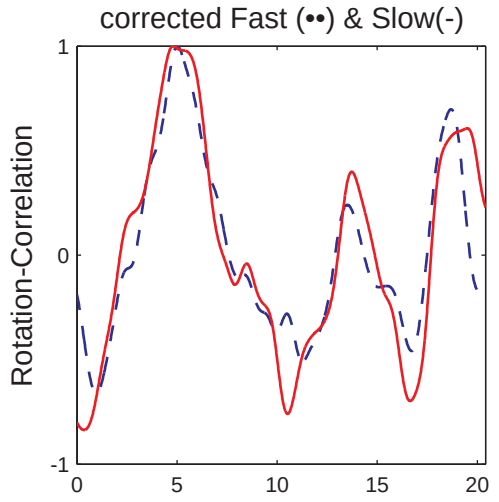


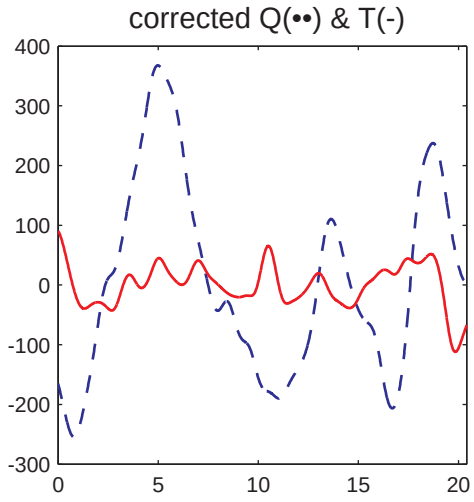
Event: **07-Jun-2012 (159) 04:05 -36.07N -70.57E 8km Mw=6.0**
Station: **YAHY** Backazimuth: **247.2”** Distance: **122.54”**
init.Pol.: **68.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

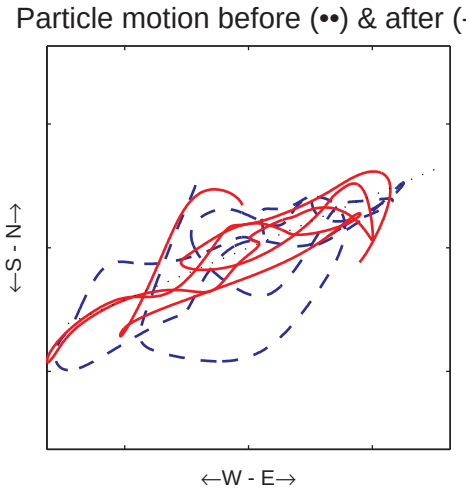
Rotation Correlation:	17<	23° <	31	0.5<0.6s<0.8
Minimum Energy:	21<	35° <	46	0.6<0.8s<1.0
Eigenvalue:	19<	37° <	50	0.6<0.8s<1.1

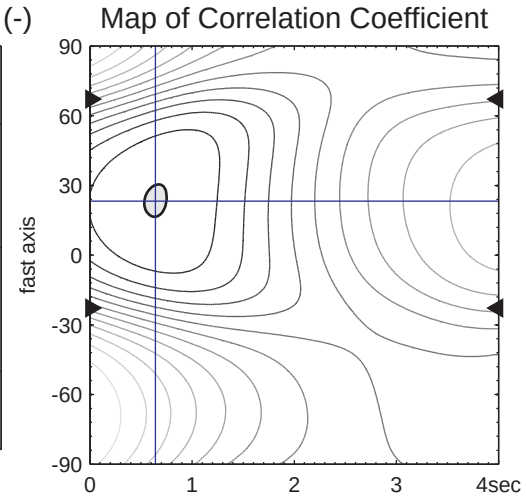
Quality: **fair** IsNull: **No** Phase: **SKS**

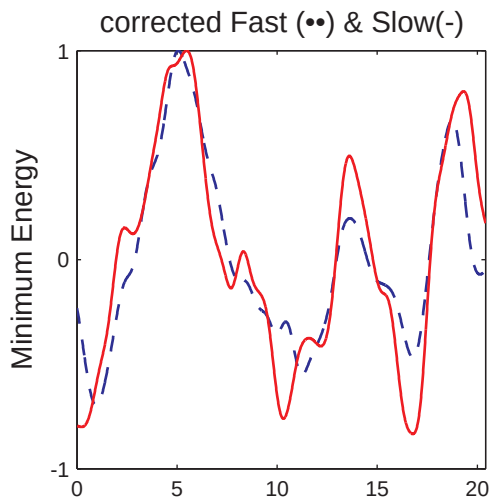


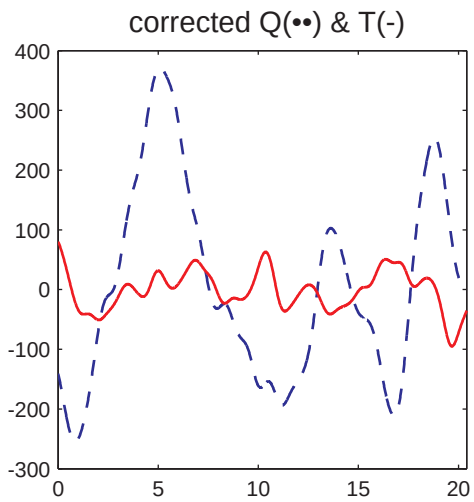


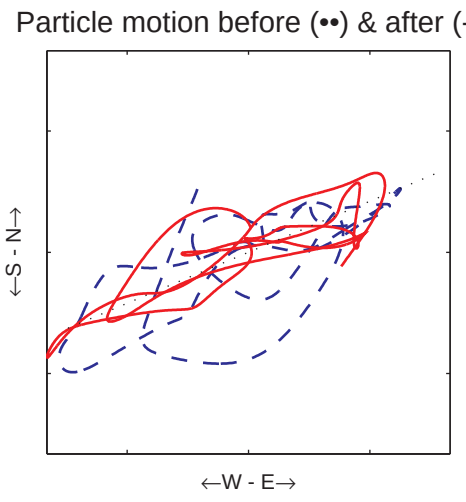


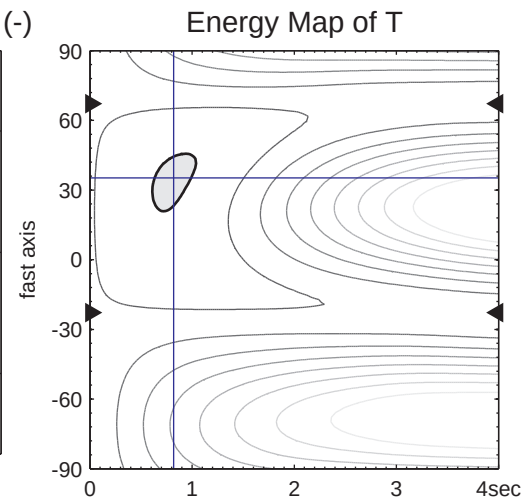


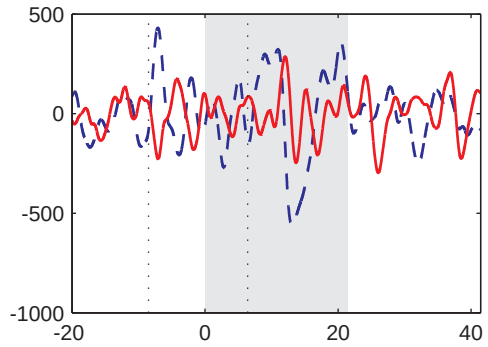








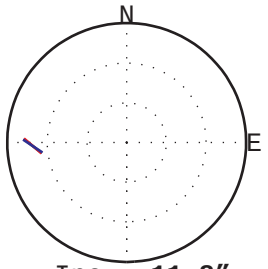




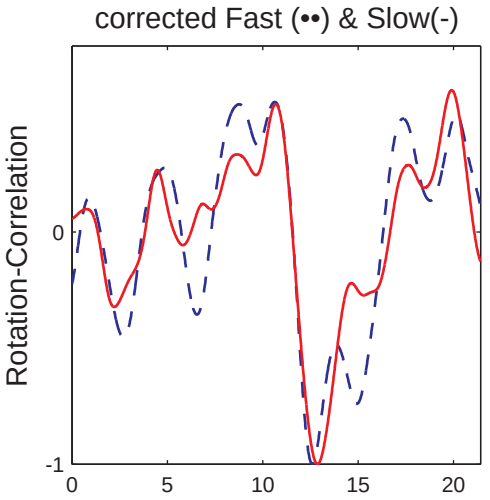
Event: **07-Jun-2012 (159) 16:03 -15.88N -72.41E 110km Mw=6.1**
Station: **YAHY** Backazimuth: **267.9”** Distance: **113.57”**
init.Pol.: **84.1”** Filter: **0.040Hz - 1.00Hz** SNR_{SC}: **5.5**

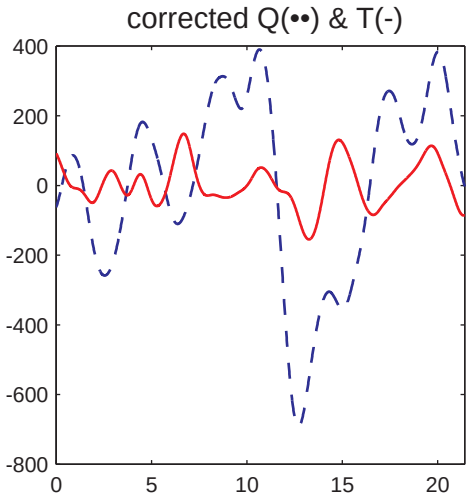
Rotation Correlation:	-60< **-52°** < -45	0.6<0.7s<0.8
Minimum Energy:	-68< **-50°** < -37	0.5<0.7s<0.9
Eigenvalue:	-76< **-56°** < -41	0.5<0.7s<0.9

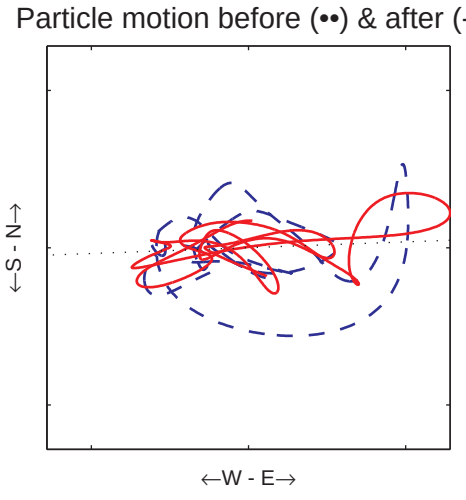
Quality: **good** IsNull: **No** Phase: **SKKS**

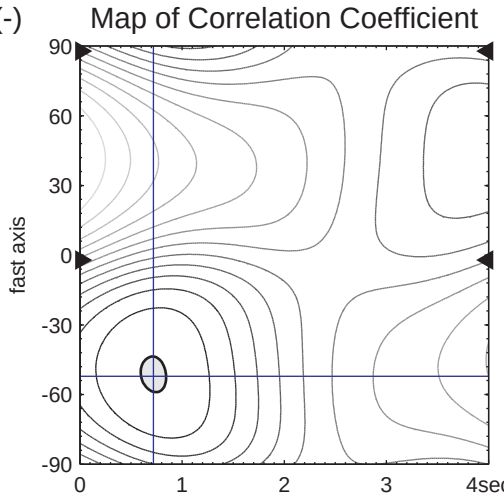


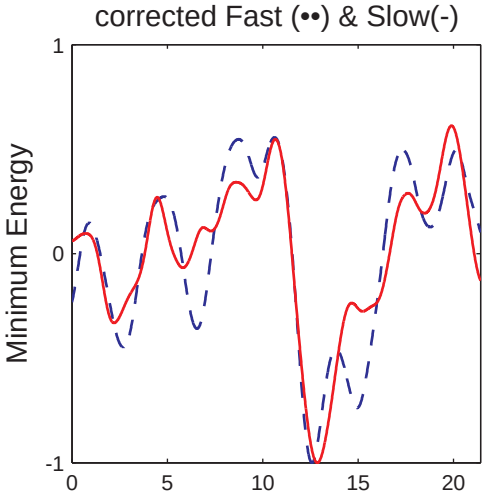
Inc = **11.8”**

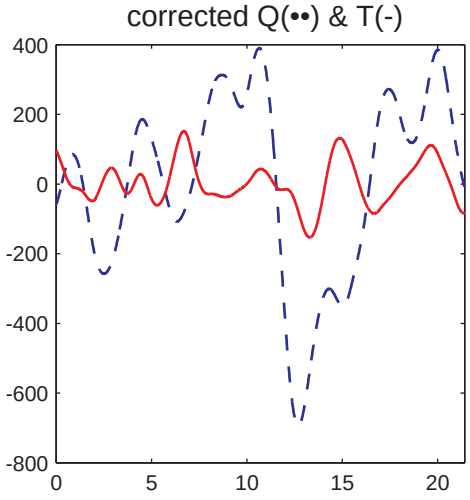


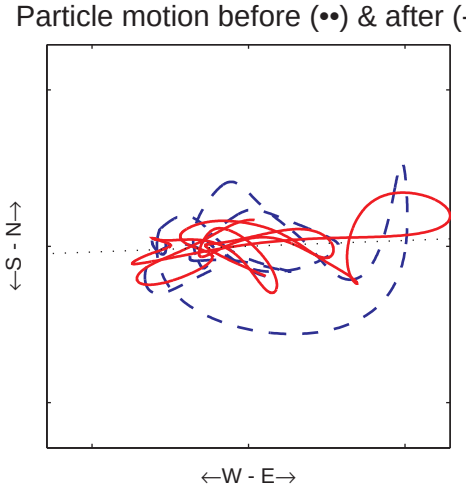


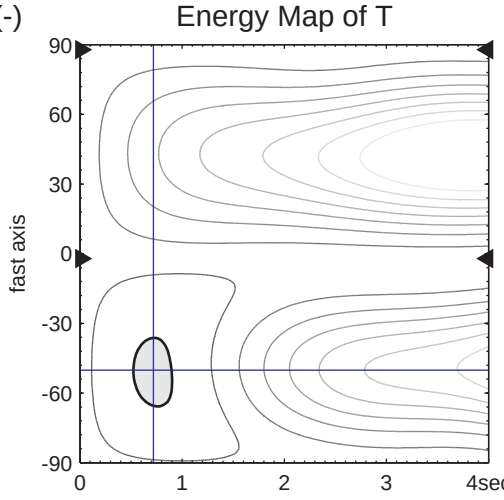


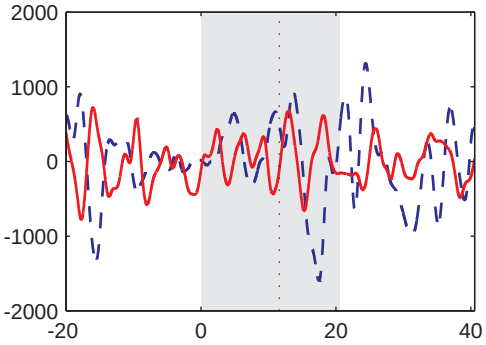








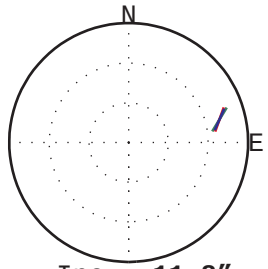




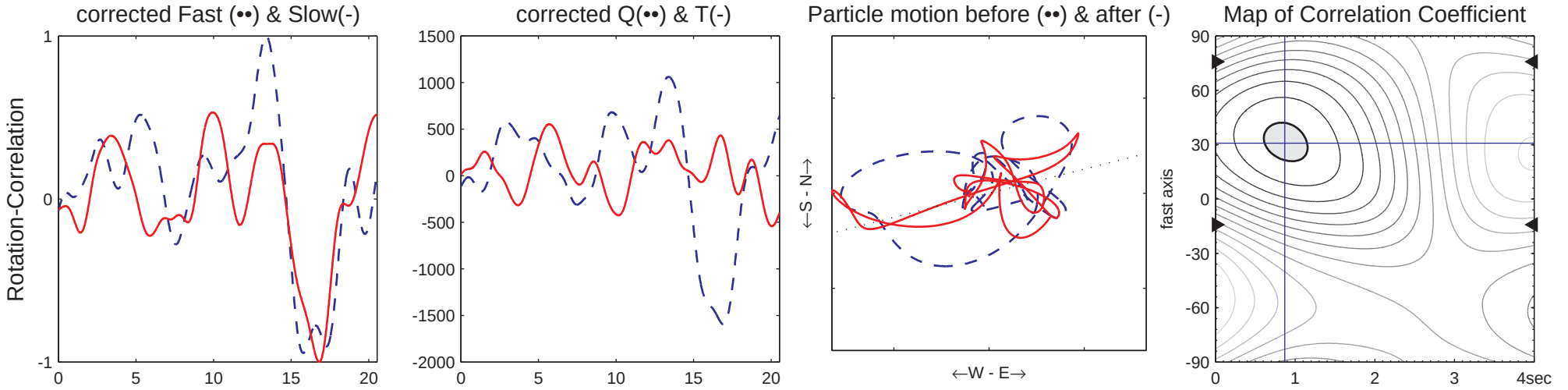
Event: **28-Jul-2012 (210) 20:03 -4.65N 153.17E 41km Mw=6.5**
Station: **YAHY** Backazimuth: **75.8”** Distance: **114.58”**
init.Pol.: **258.4”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **3.3**

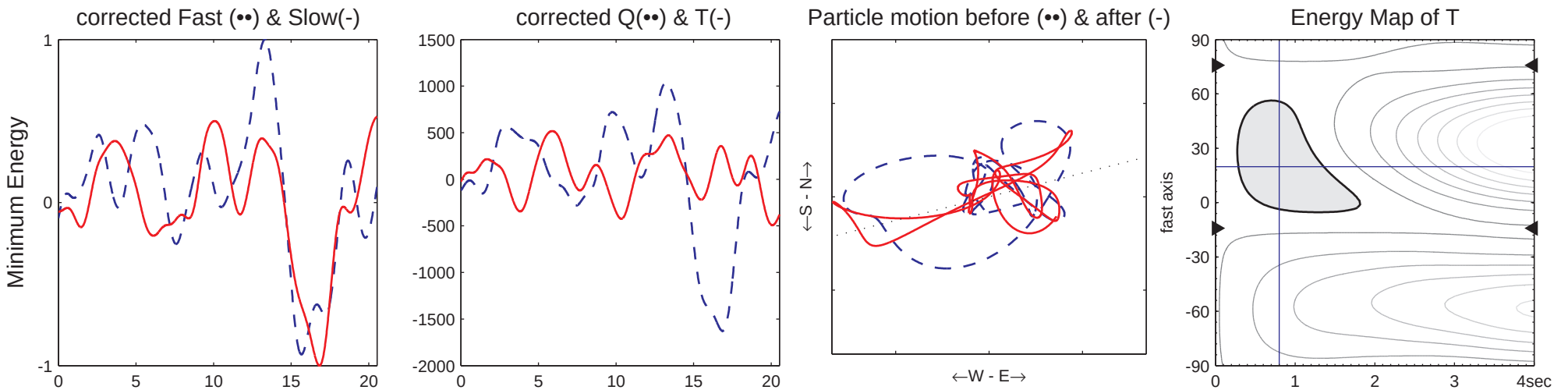
Rotation Correlation:	21<	31° <	42	0.6<0.9s<1.2
Minimum Energy:	-5<	20° <	56	0.3<0.8s<1.8
Eigenvalue:	-9<	24° <	68	0.3<0.7s<1.8

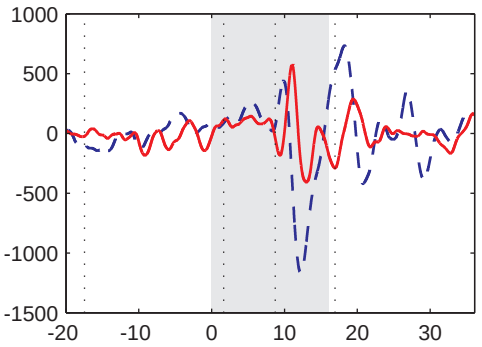
Quality: **fair** IsNull: **No** Phase: **SKKS**



Inc = **11.8”**



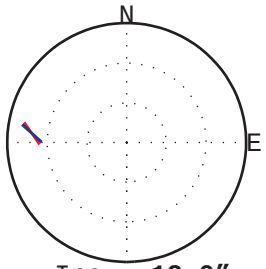




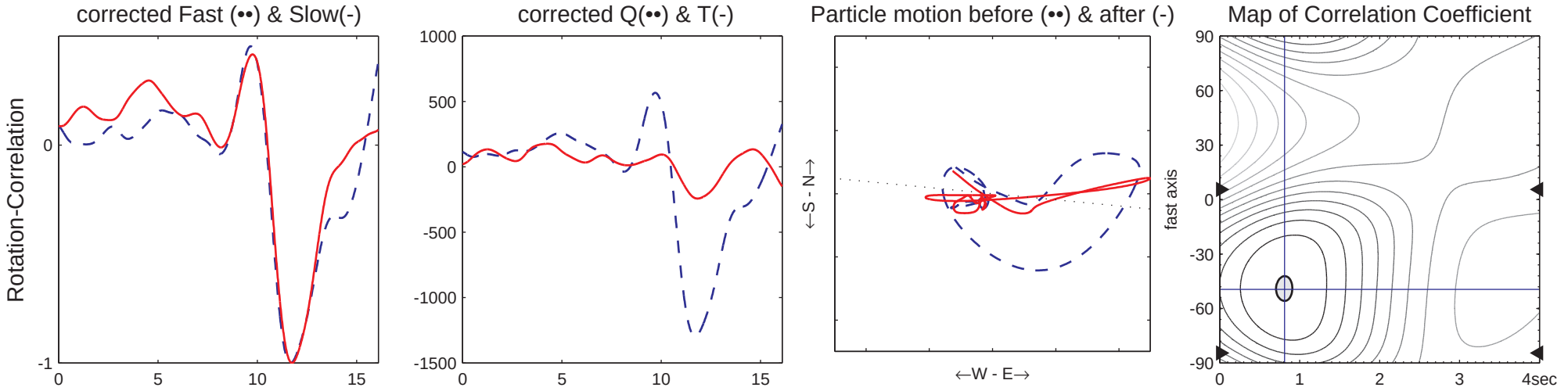
Event: **02-Aug-2012 (215) 09:38 -8.41N -74.26E 144km Mw=6.1**
Station: **YAHY** Backazimuth: **275.5”** Distance: **110.59”**
init.Pol.: **85.8”** Filter: **0.020Hz - 1.00Hz** SNR_{SC}: **7.7**

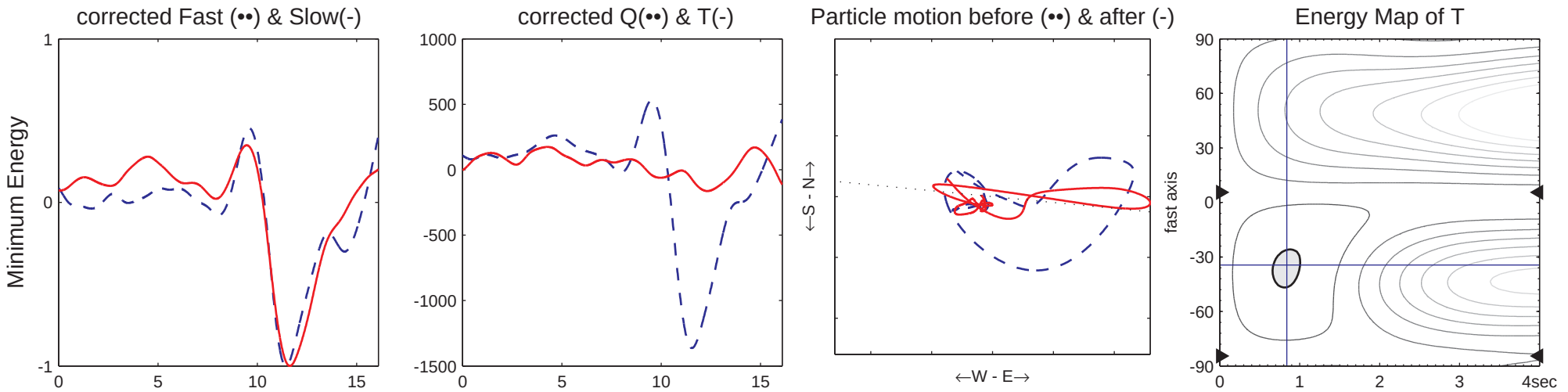
Rotation Correlation:	-57<	-49° <	-43	0.7<0.8s<0.9
Minimum Energy:	-50<	-34° <	-27	0.7<0.8s<1.0
Eigenvalue:	-58<	-46° <	-41	0.7<0.8s<0.9

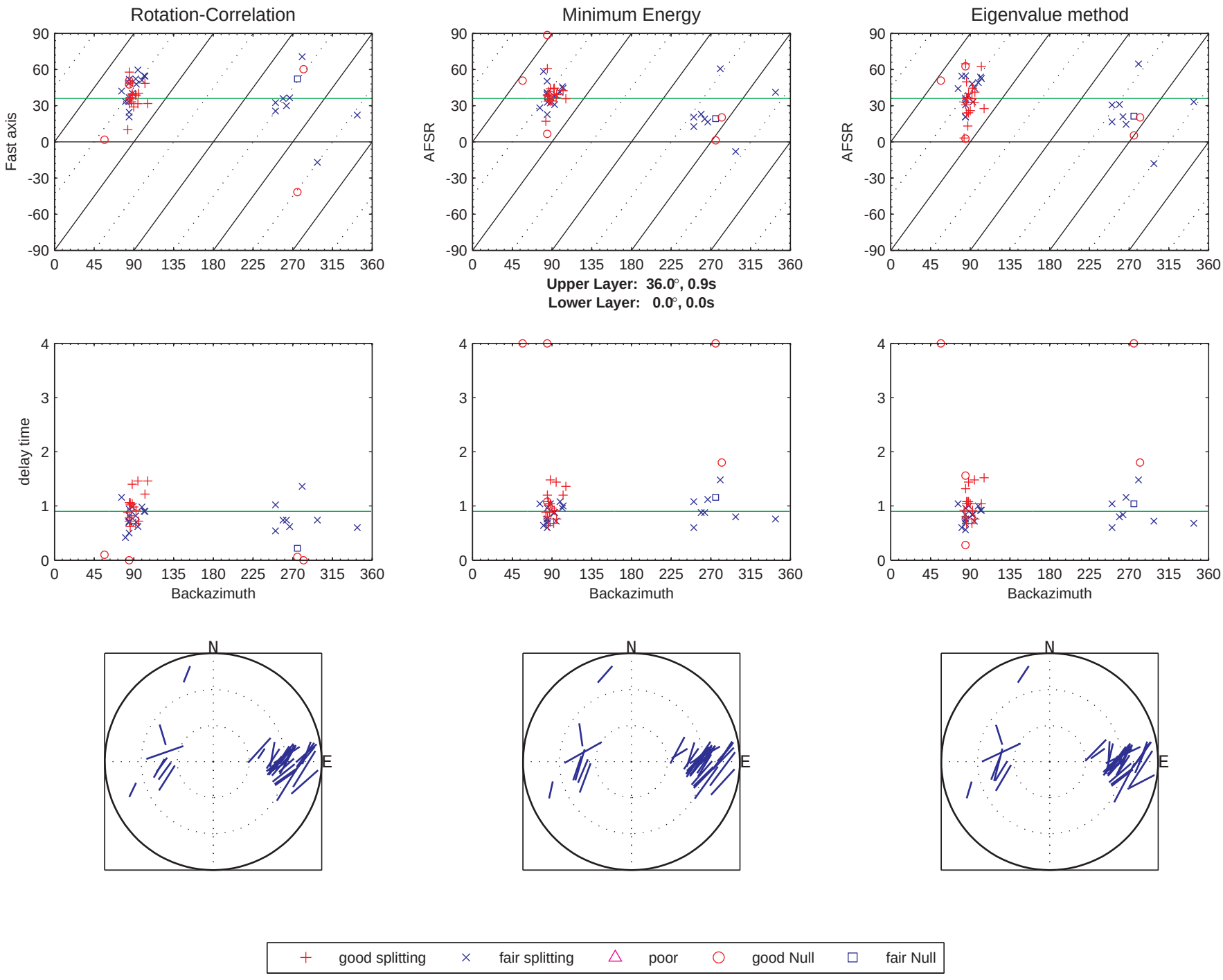
Quality: **fair** IsNull: **No** Phase: **SKKS**



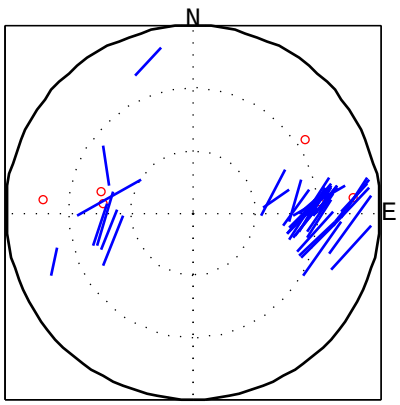
Inc = **12.0”**



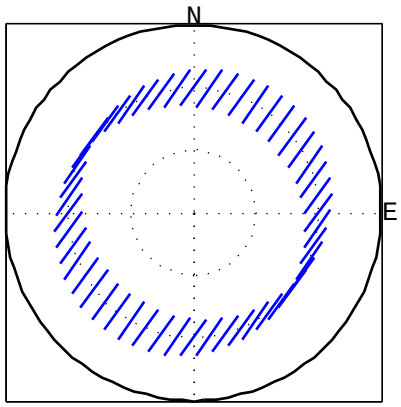



Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
AFSR
AFSR
Upper Layer: 36.0°, 0.9s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

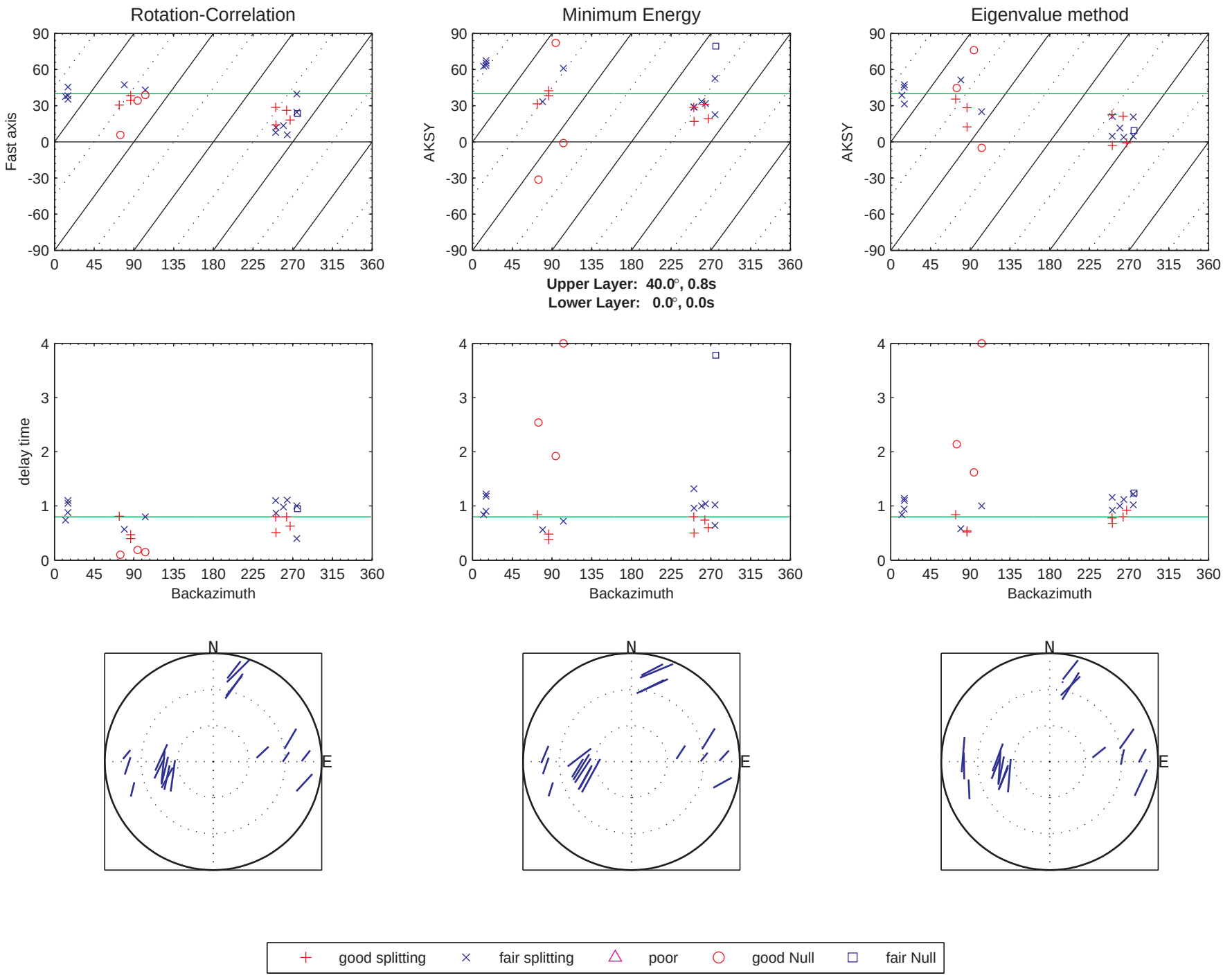
Upper Layer: 36Upper Layer: 1
Lower Layer: 0Lower Layer: 0



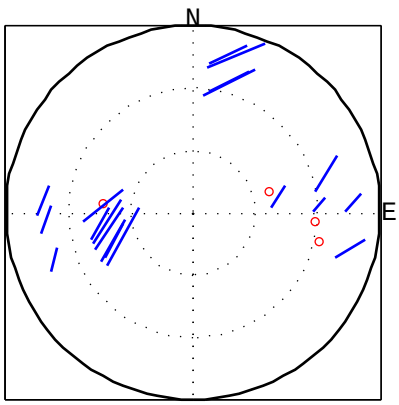
Minimum energy



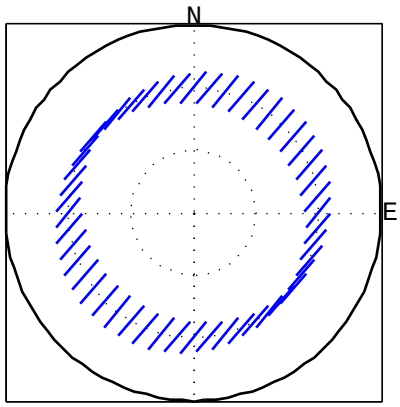
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
AKSY
AKSY
Upper Layer: 40.0°, 0.8s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

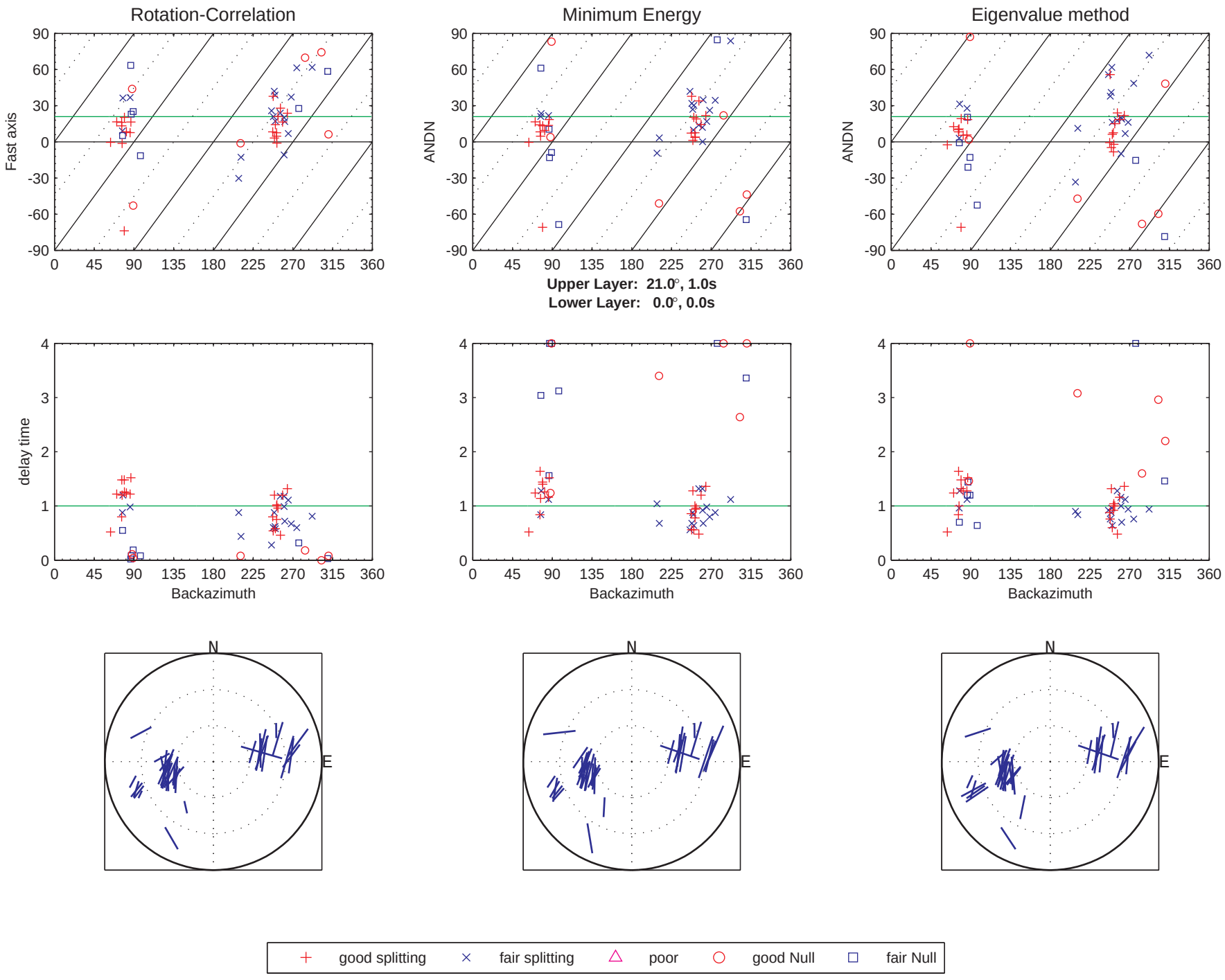
Upper Layer: 40Upper Layer: 1
Lower Layer: 0Lower Layer: 0



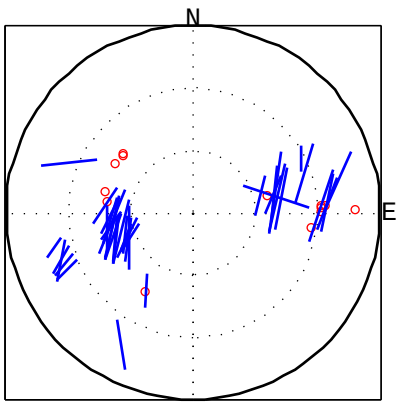
Minimum energy



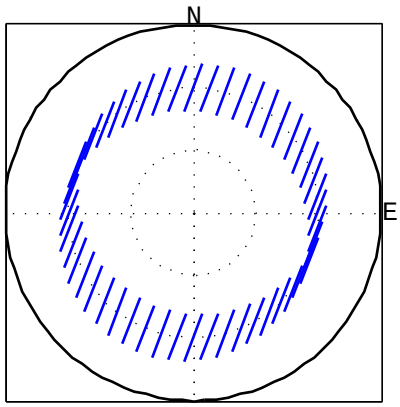
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
ANDN
ANDN
Upper Layer: 21.0°, 1.0s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

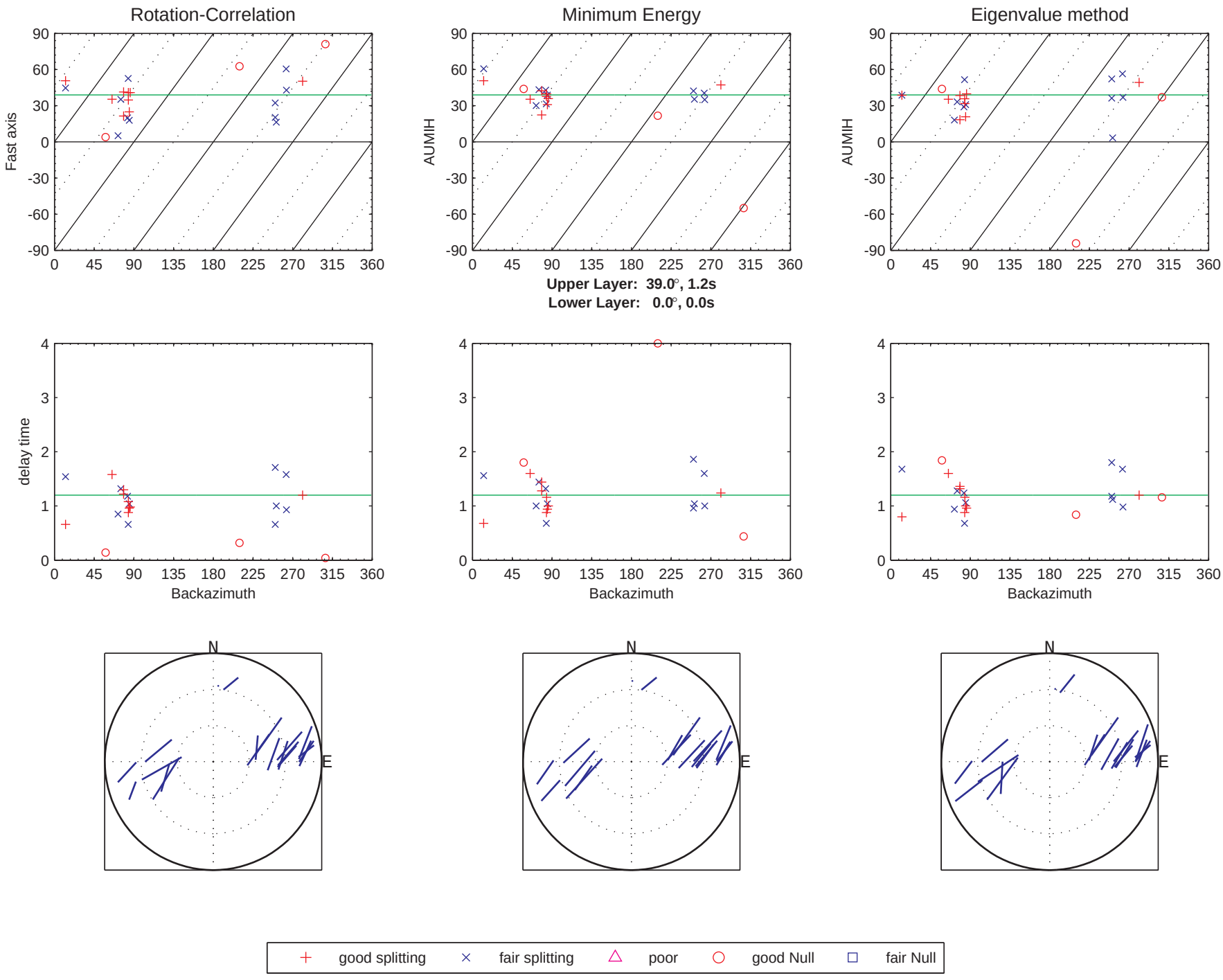
Upper Layer: 21Upper Layer: 1
Lower Layer: 0Lower Layer: 0



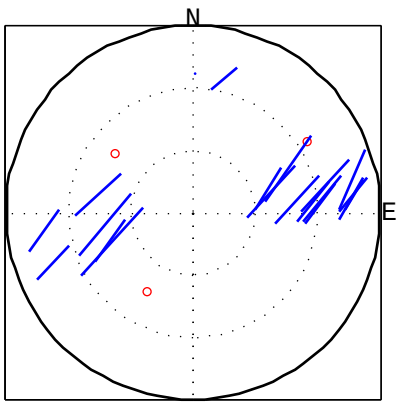
Minimum energy



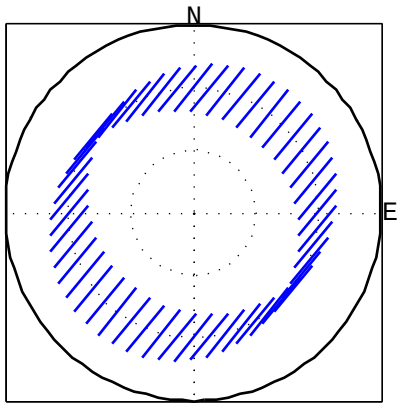
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
AUMIH
AUMIH
Upper Layer: 39.0°, 1.2s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

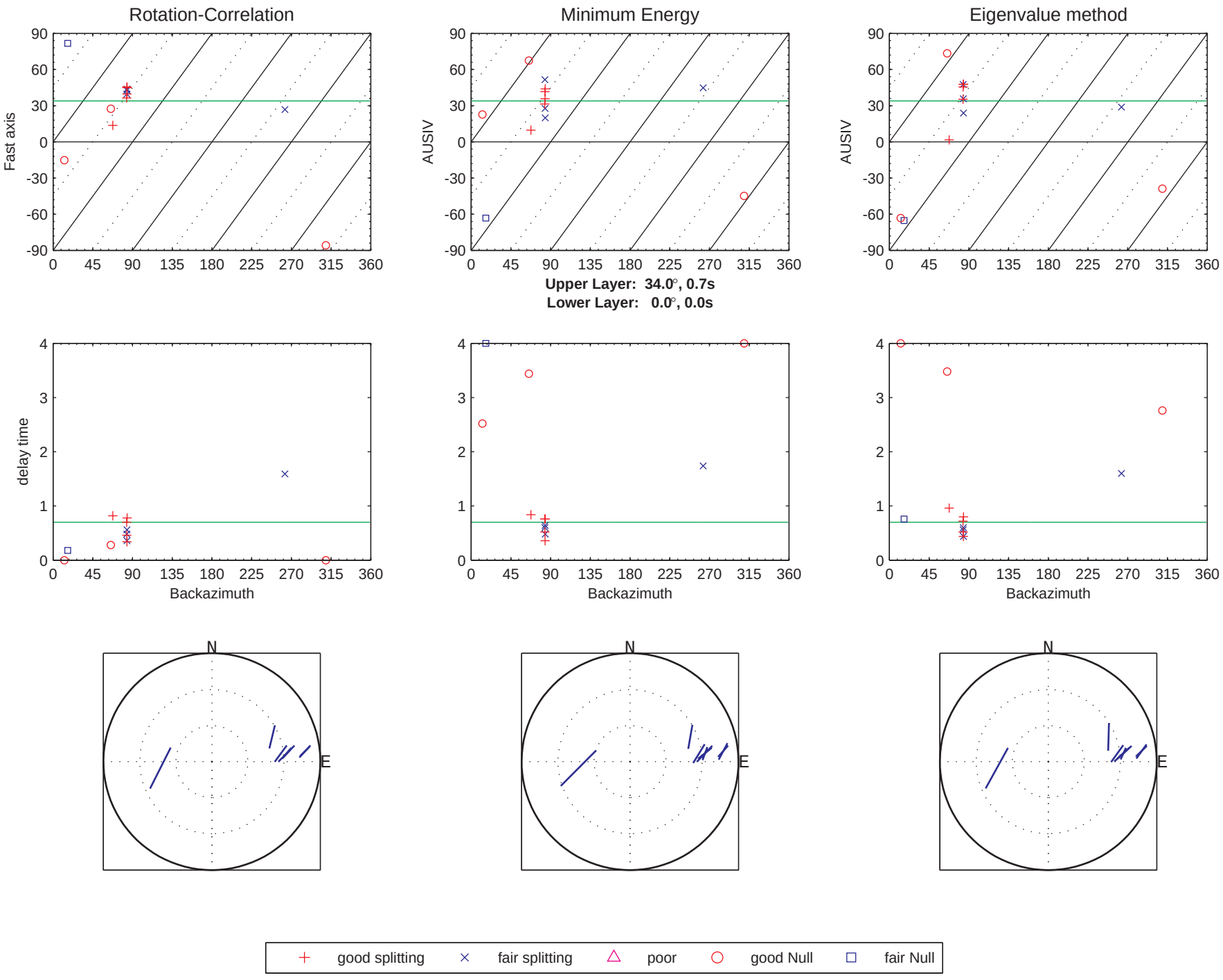
Upper Layer: 39Upper Layer: 1
Lower Layer: 0Lower Layer: 0



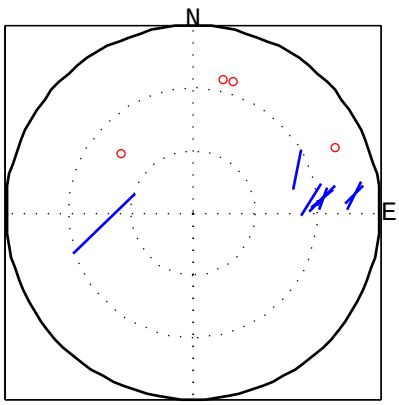
Minimum energy



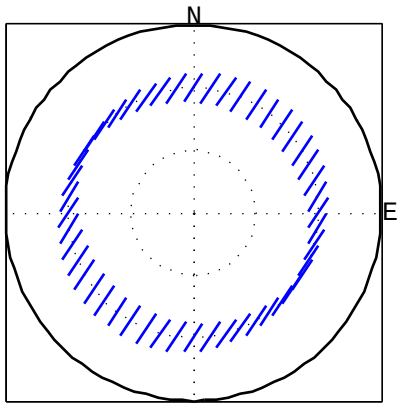
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
AUSIV
AUSIV
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
Upper Layer: 34.0°, 0.7s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

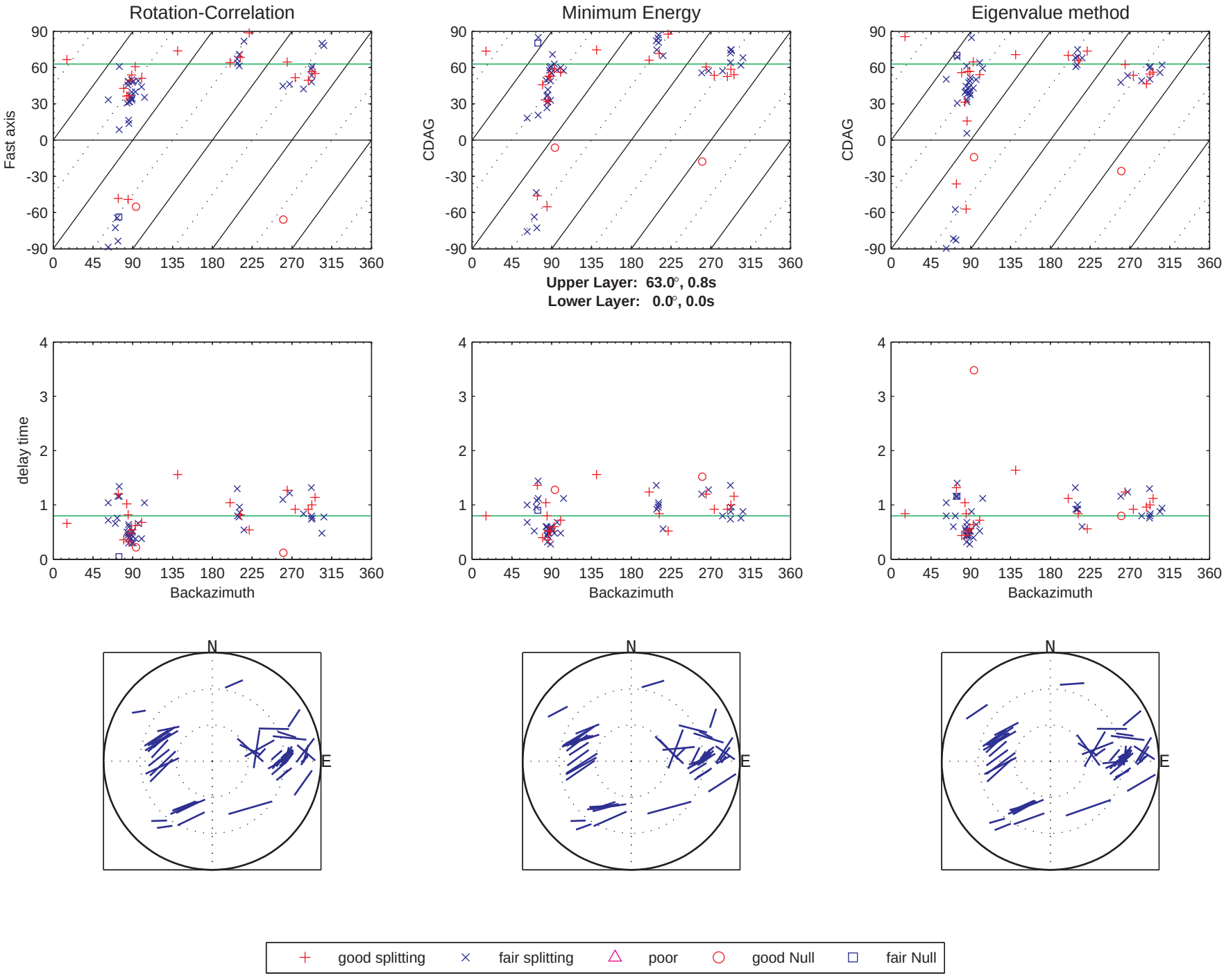
Upper Layer: 34Upper Layer: 1
Lower Layer: 0Lower Layer: 0



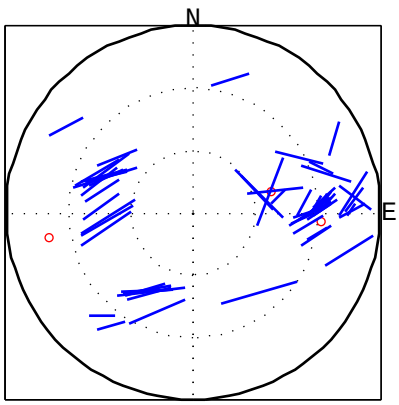
Minimum energy



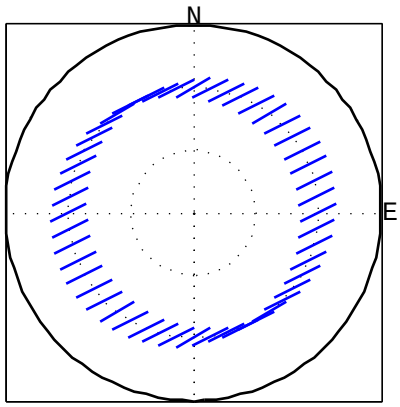
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
CDAG
CDAG
Upper Layer: 63.0°, 0.8s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

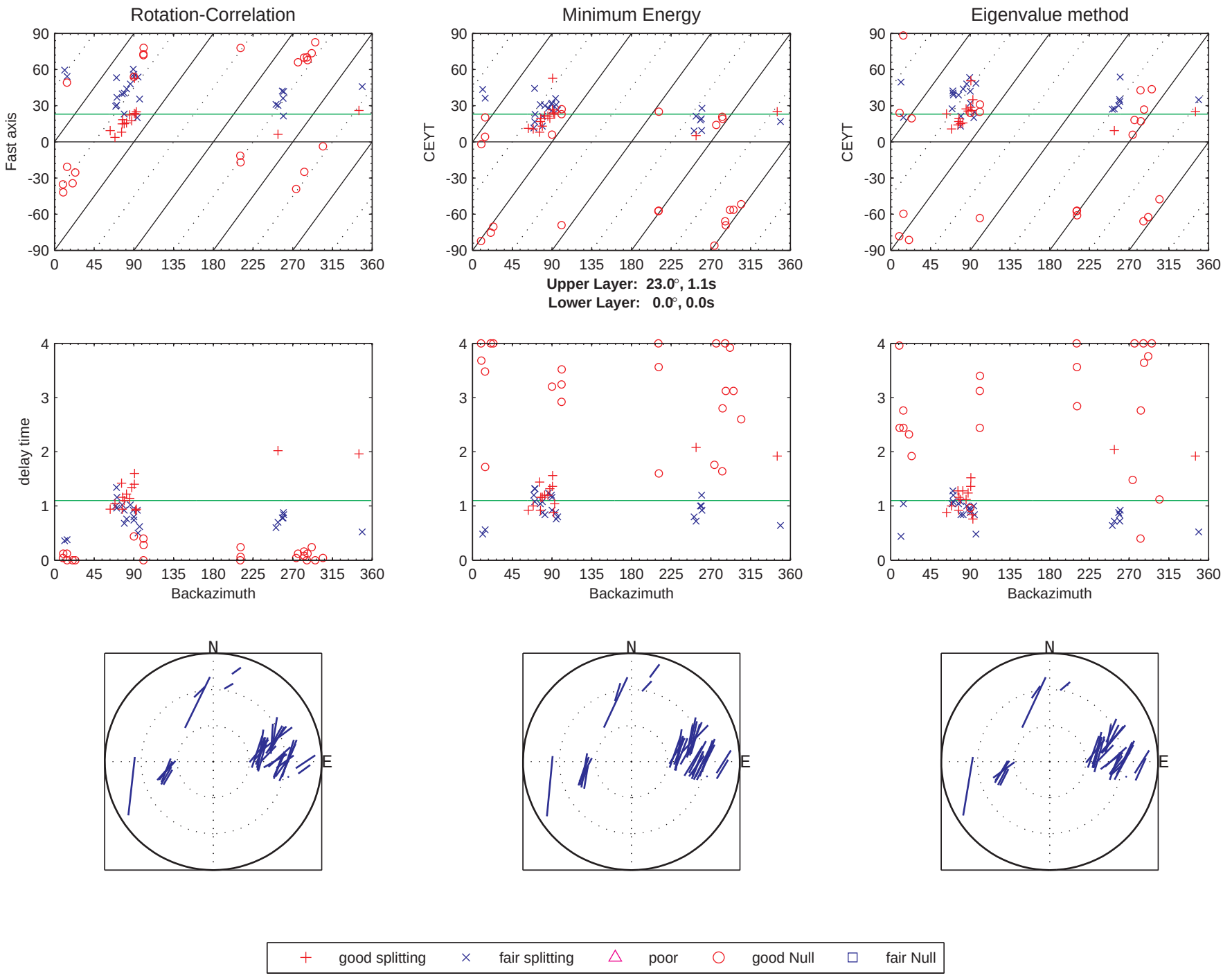
Upper Layer: 63Upper Layer: 1
Lower Layer: 0Lower Layer: 0



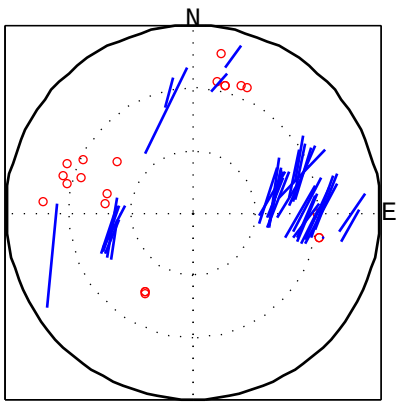
Minimum energy



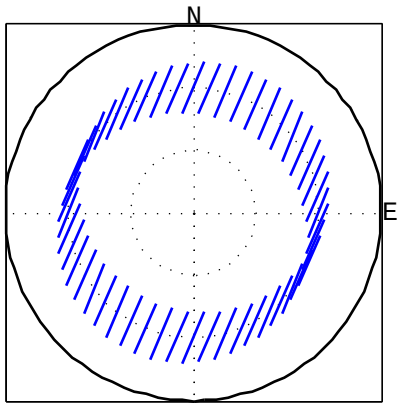
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
CEYT
CEYT
Upper Layer: 23.0°, 1.1s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

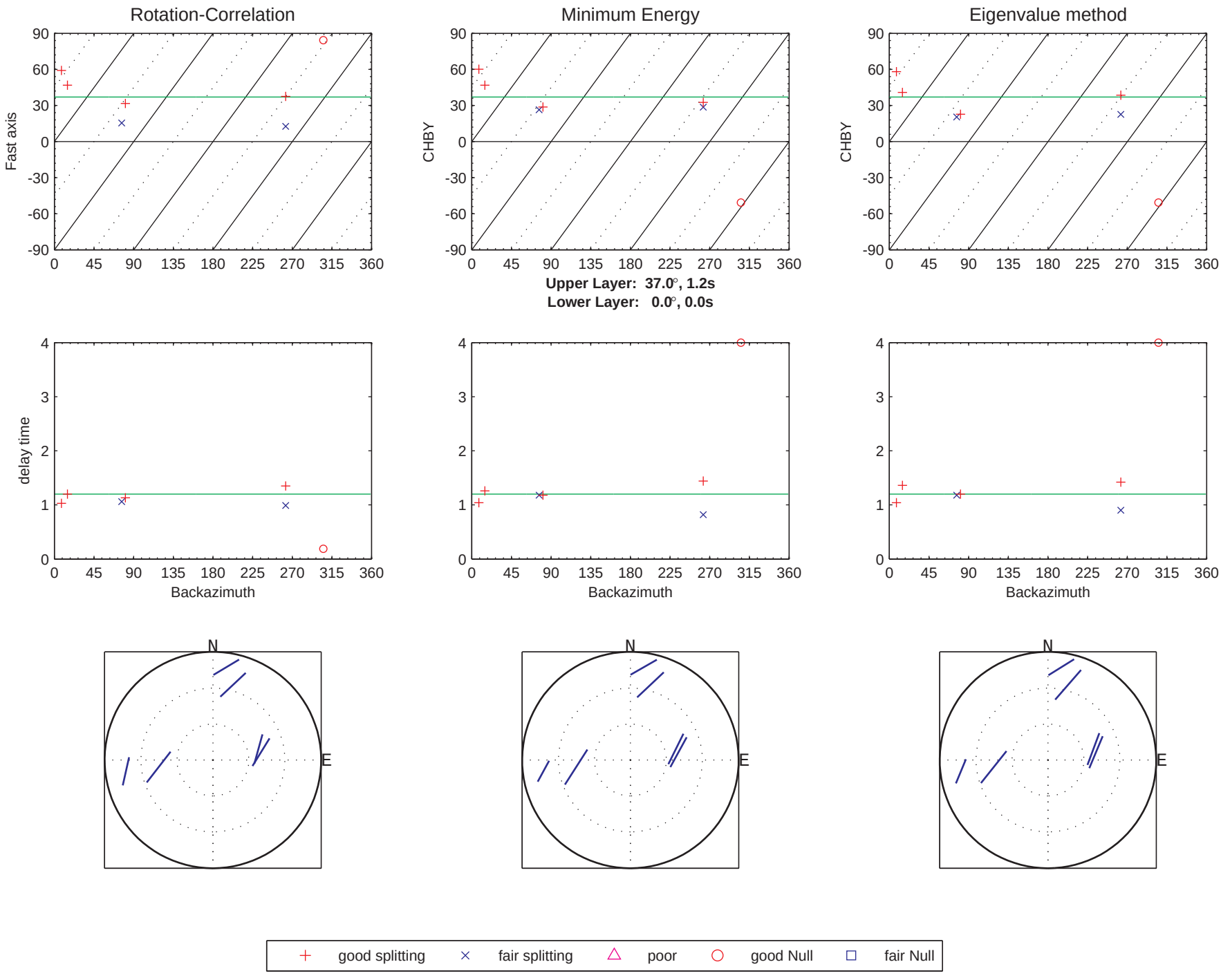
Upper Layer: 23Upper Layer: 1
Lower Layer: 0Lower Layer: 0



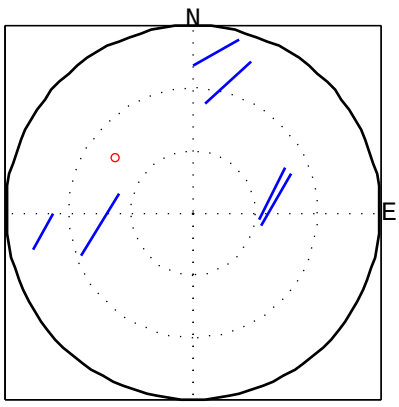
Minimum energy



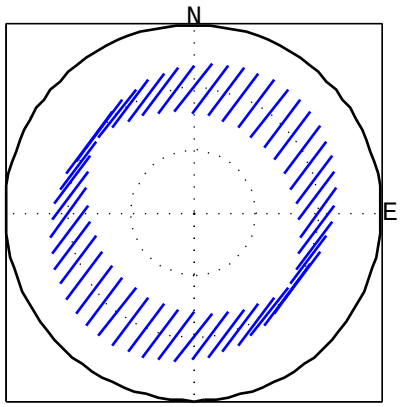
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
CHBY
CHBY
Upper Layer: 37.0°, 1.2s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

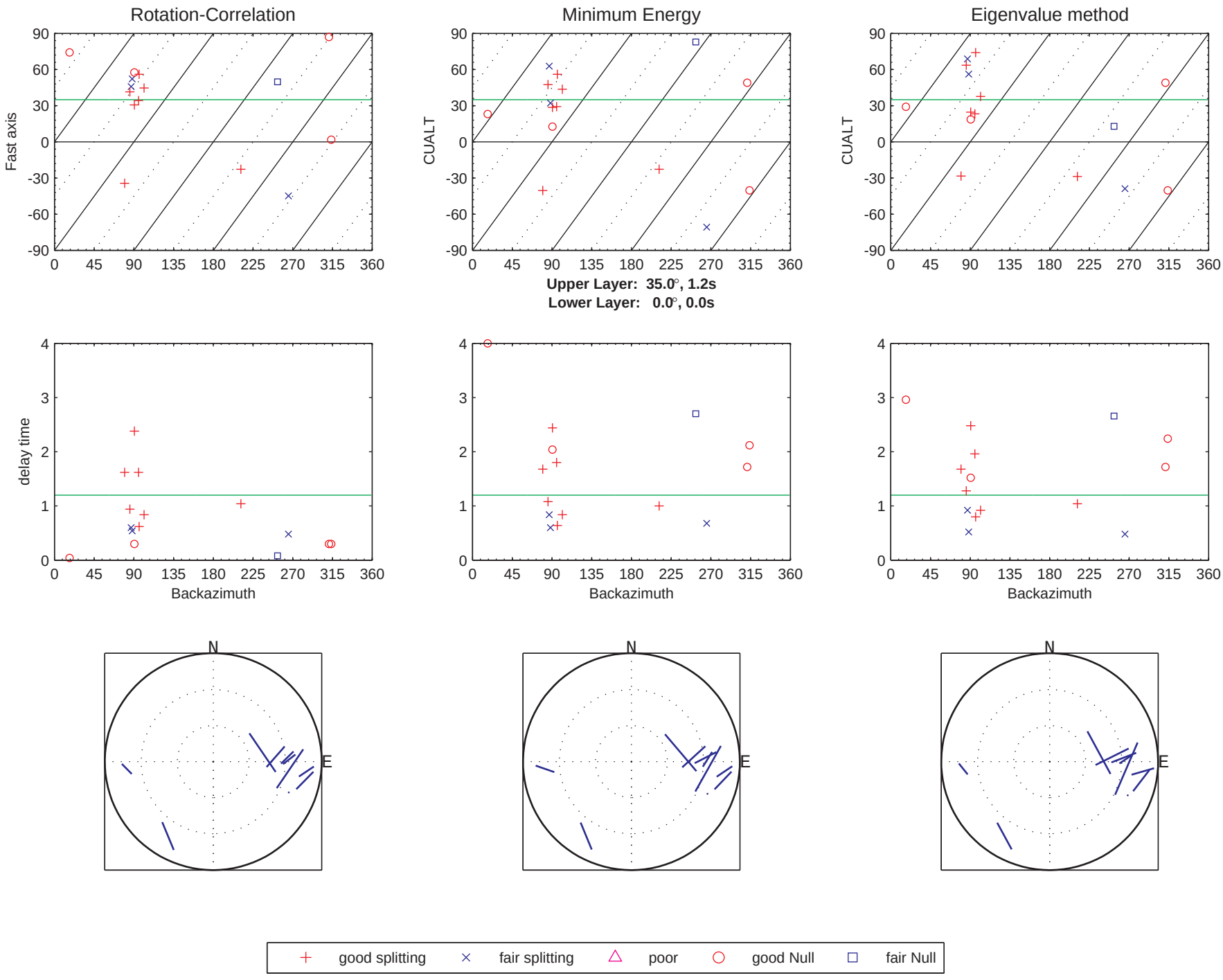
Upper Layer: 37Upper Layer: 1
Lower Layer: 0Lower Layer: 0



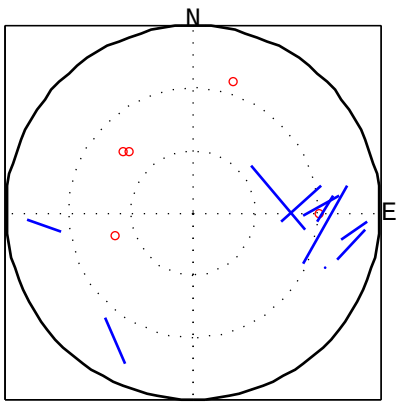
Minimum energy



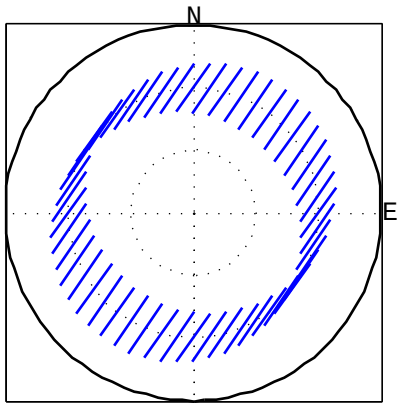
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
CUALT
CUALT
Upper Layer: 35.0°, 1.2s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

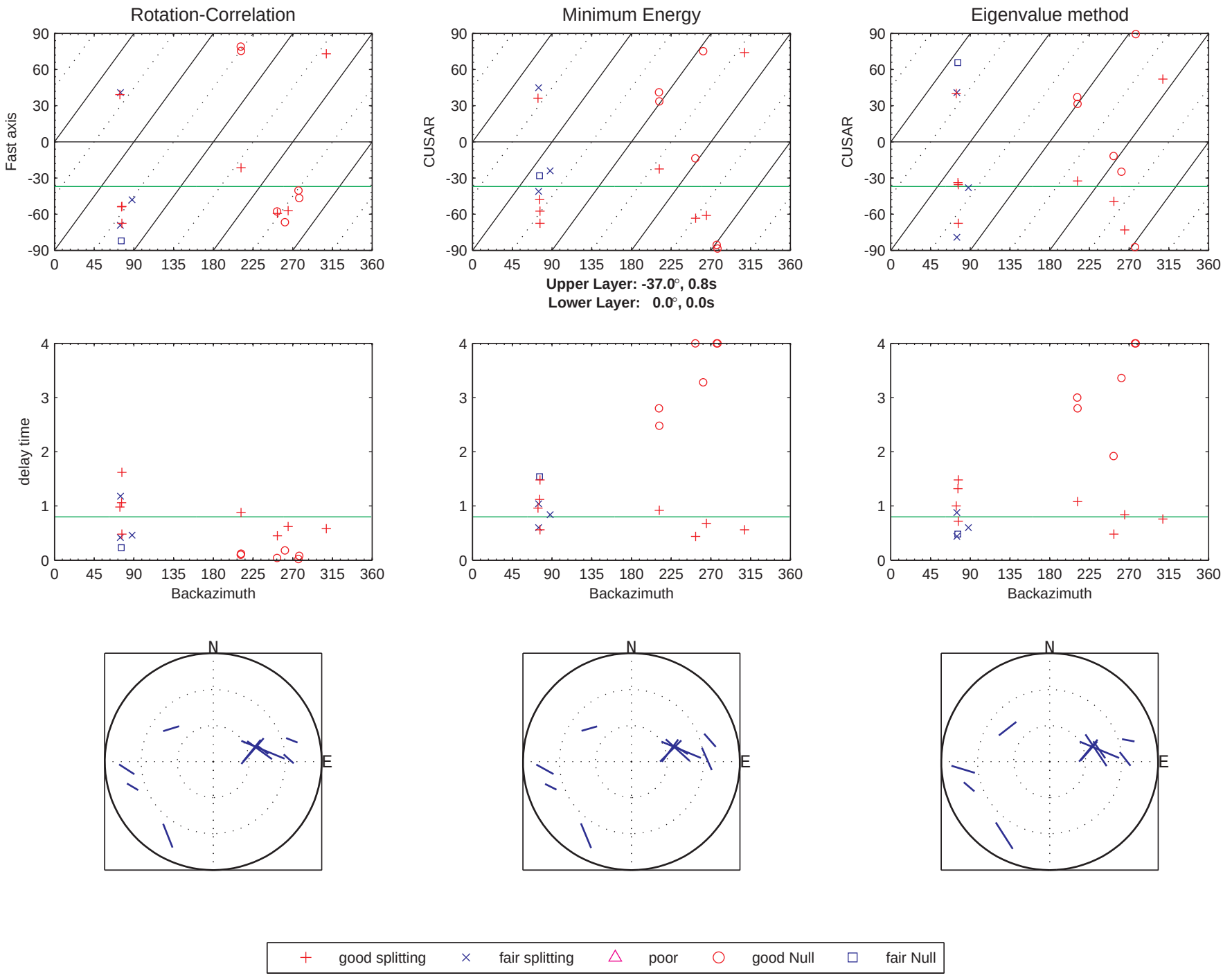
Upper Layer: 35Upper Layer: 1
Lower Layer: 0Lower Layer: 0



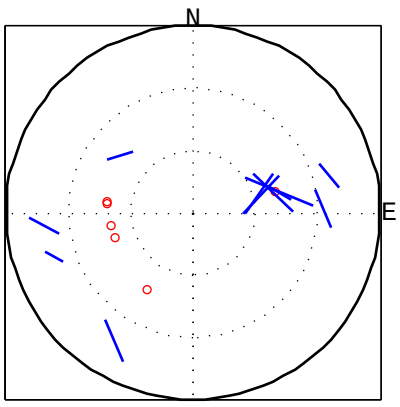
Minimum energy



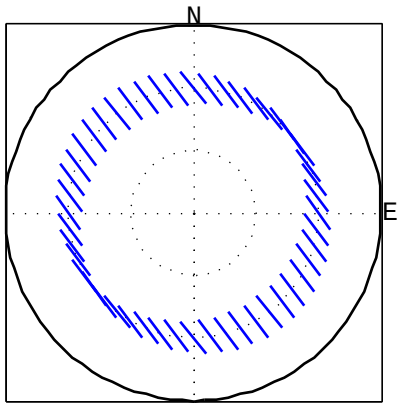
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
CUSAR
CUSAR
Upper Layer: -37.0°, 0.8s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
good splitting
fair splitting
poor
good Null
fair Null

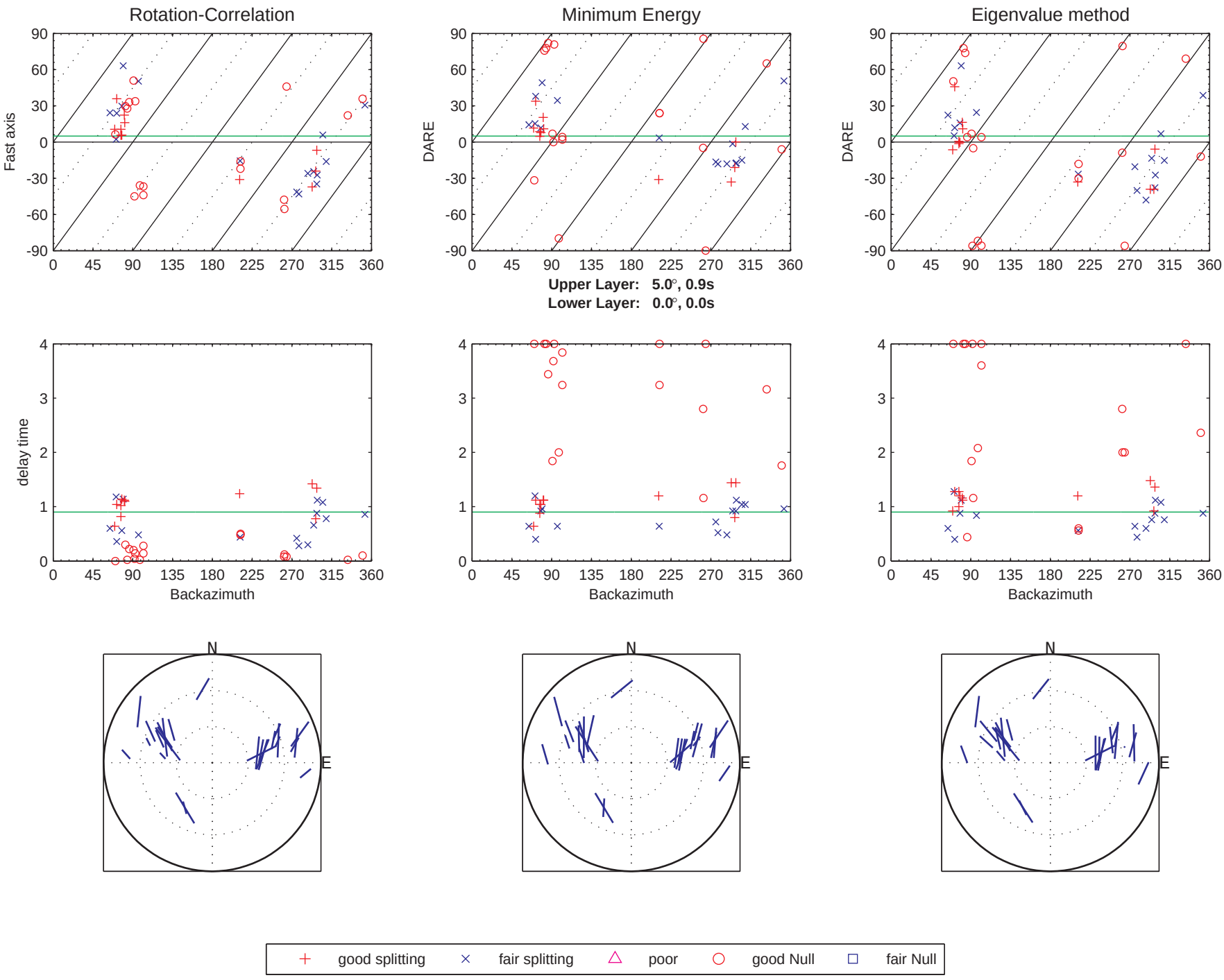
Upper Layer: −37Upper Layer: 1
Lower Layer: 0Lower Layer: 0



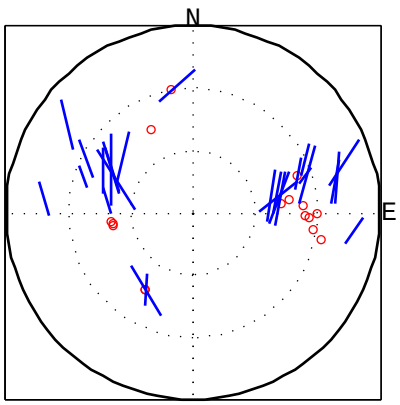
Minimum energy



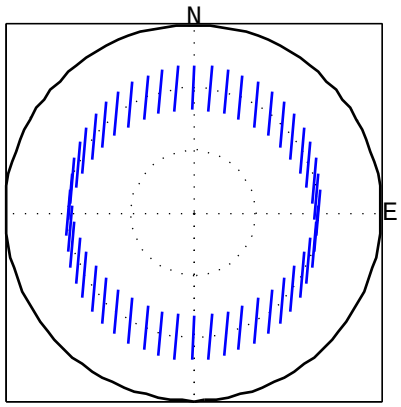
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
DARE
DARE
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
Upper Layer: 5.0°, 0.9s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

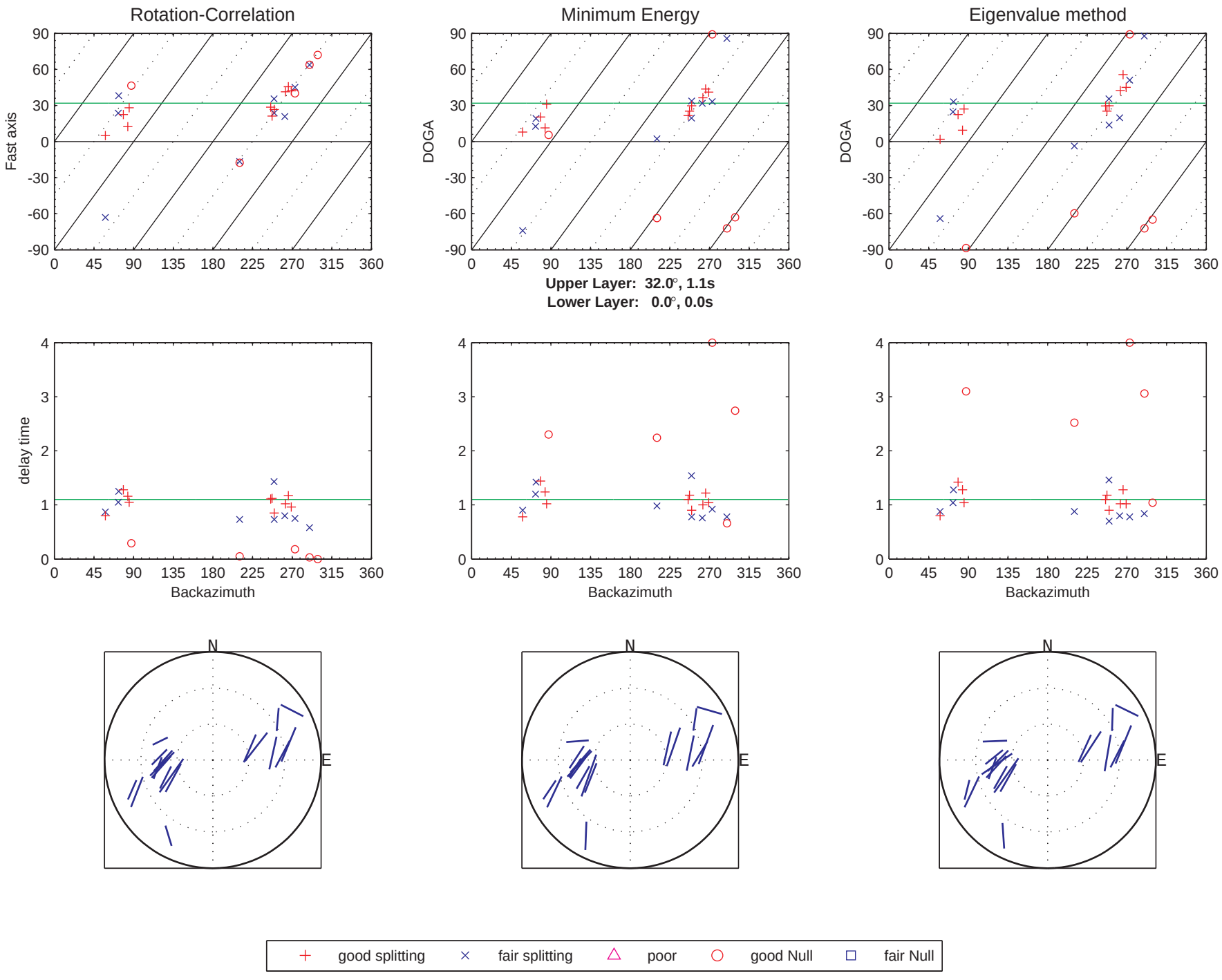
Upper Layer: 5Upper Layer: 1
Lower Layer: 0Lower Layer: 0



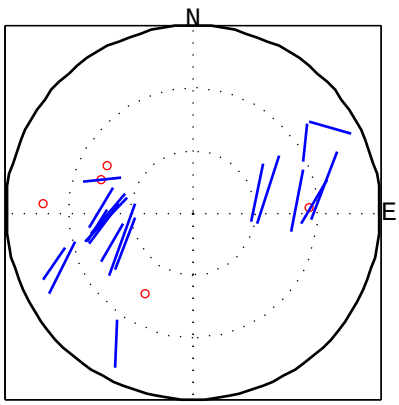
Minimum energy



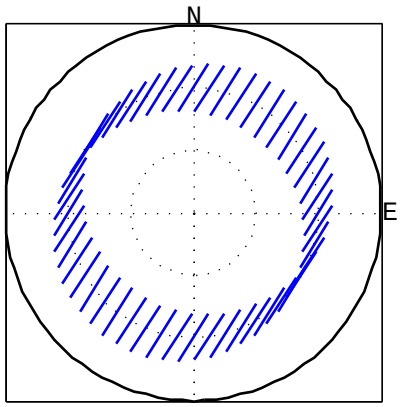
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
DOGA
DOGA
Upper Layer: 32.0°, 1.1s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

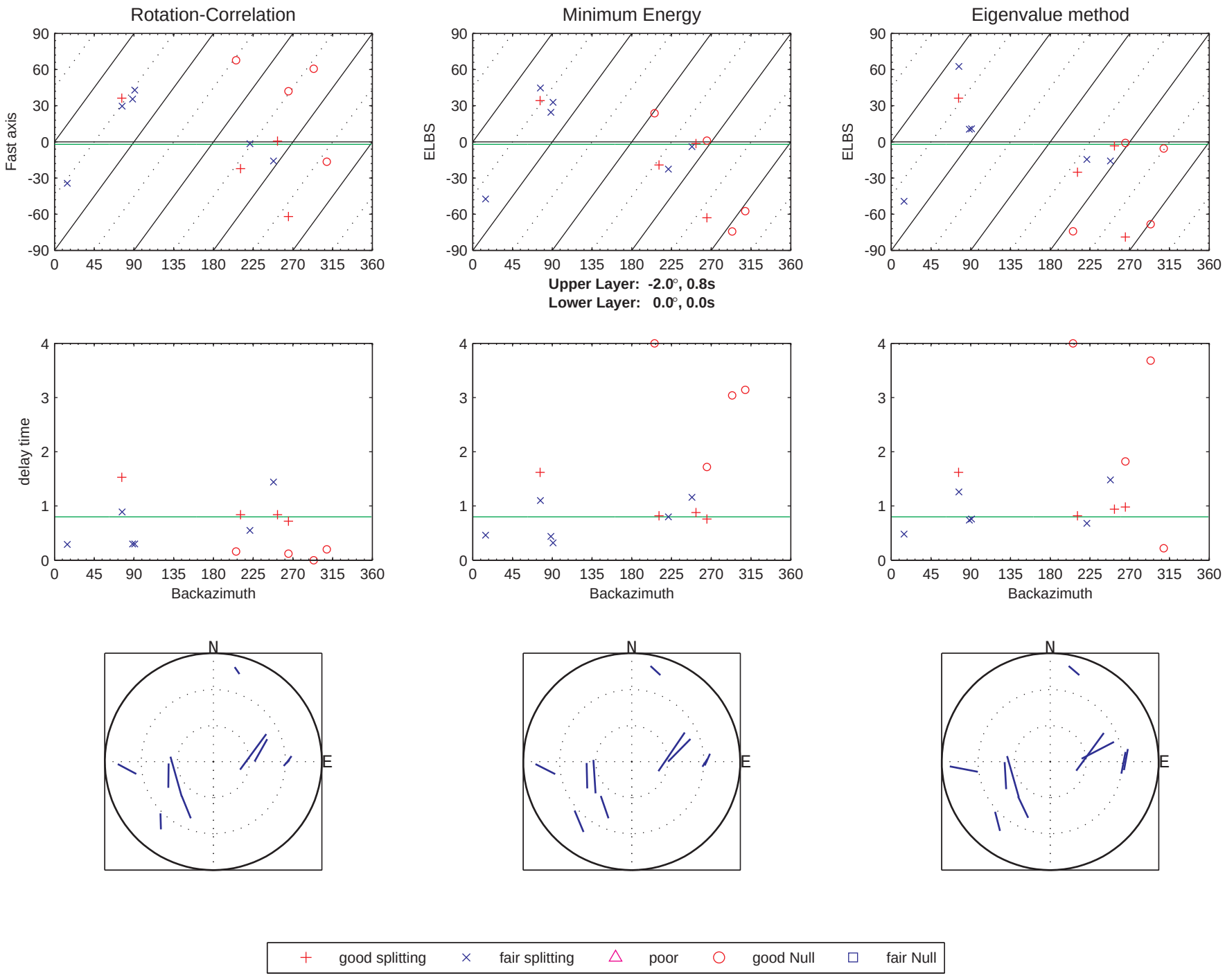
Upper Layer: 32Upper Layer: 1
Lower Layer: 0Lower Layer: 0



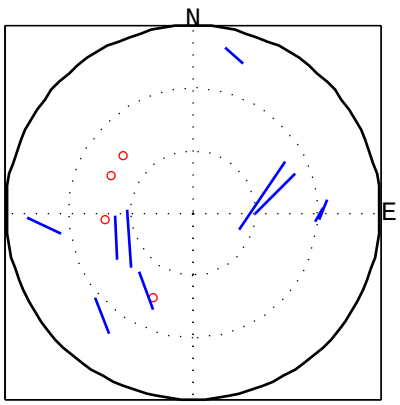
Minimum energy



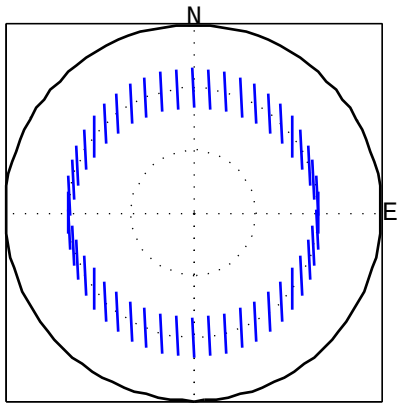
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
ELBS
ELBS
Upper Layer: -2.0°, 0.8s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

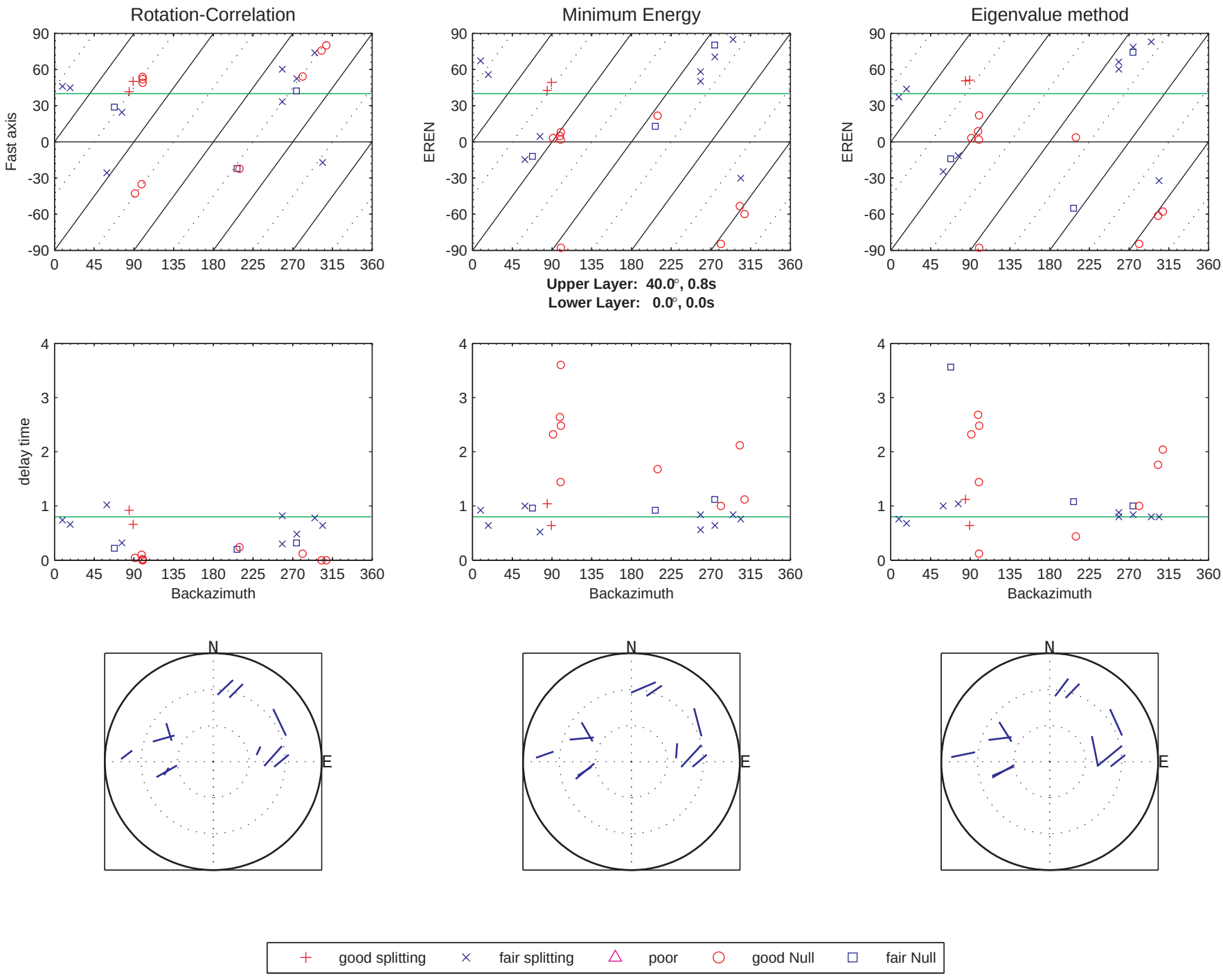
Upper Layer: −2Upper Layer: 1
Lower Layer: 0Lower Layer: 0



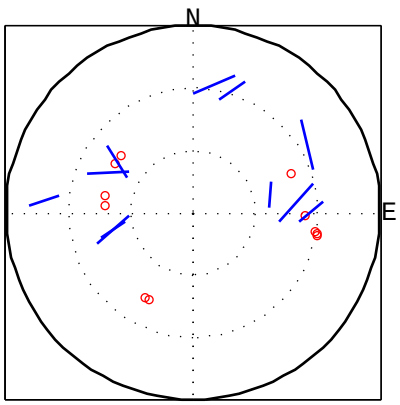
Minimum energy



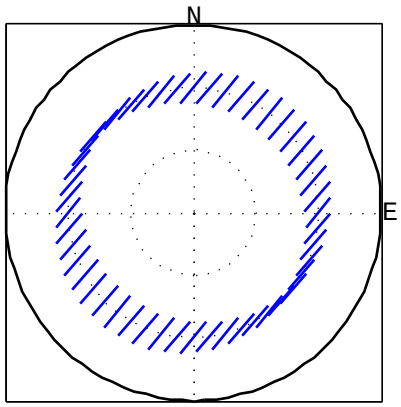
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
EREN
EREN
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
Upper Layer: 40.0°, 0.8s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

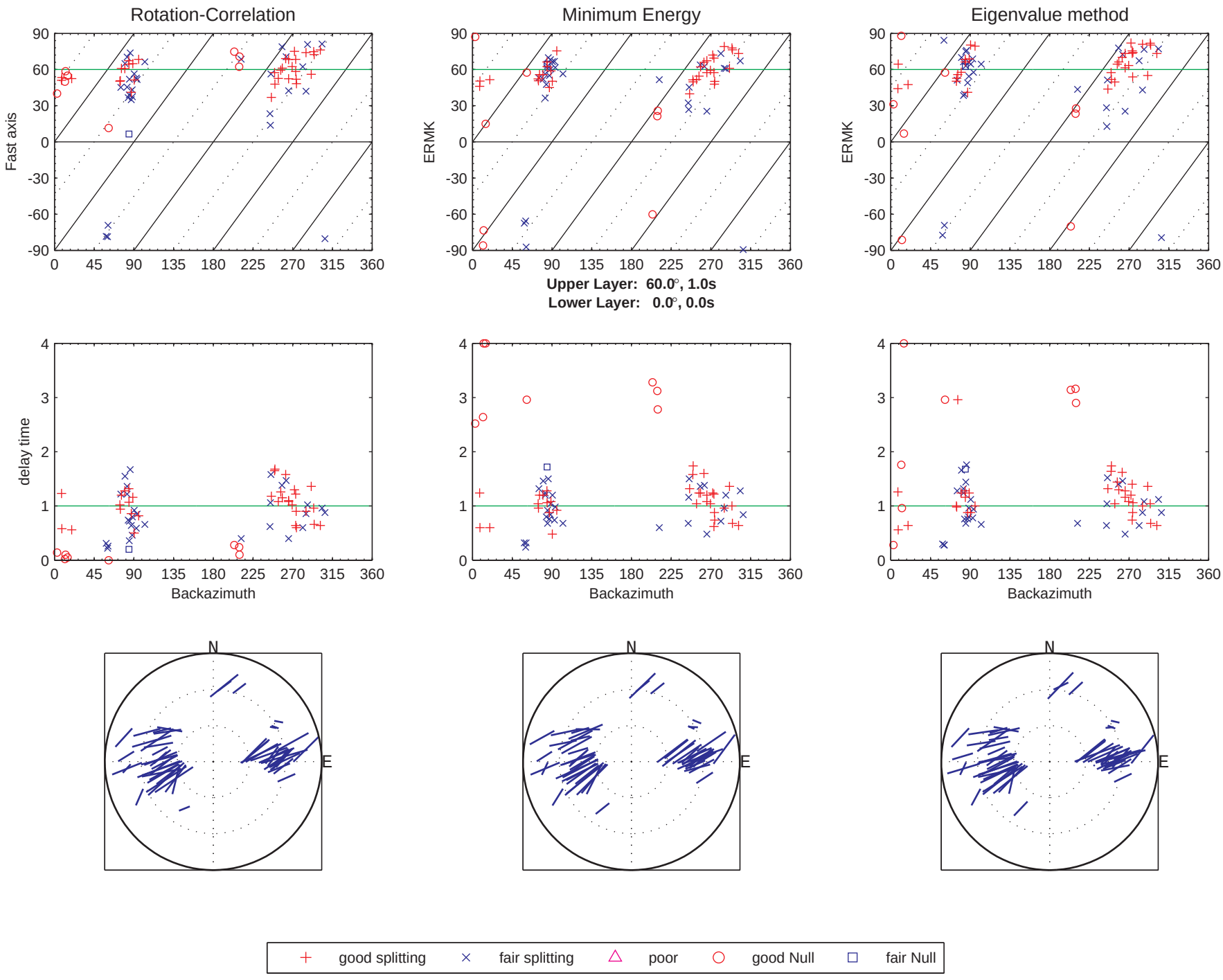
Upper Layer: 40Upper Layer: 1
Lower Layer: 0Lower Layer: 0



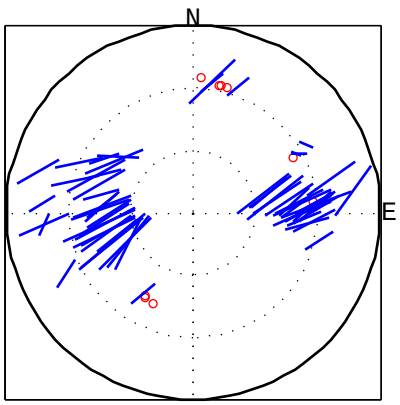
Minimum energy



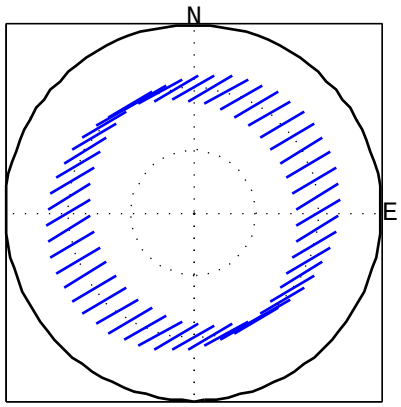
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
ERMK
ERMK
Upper Layer: 60.0°, 1.0s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

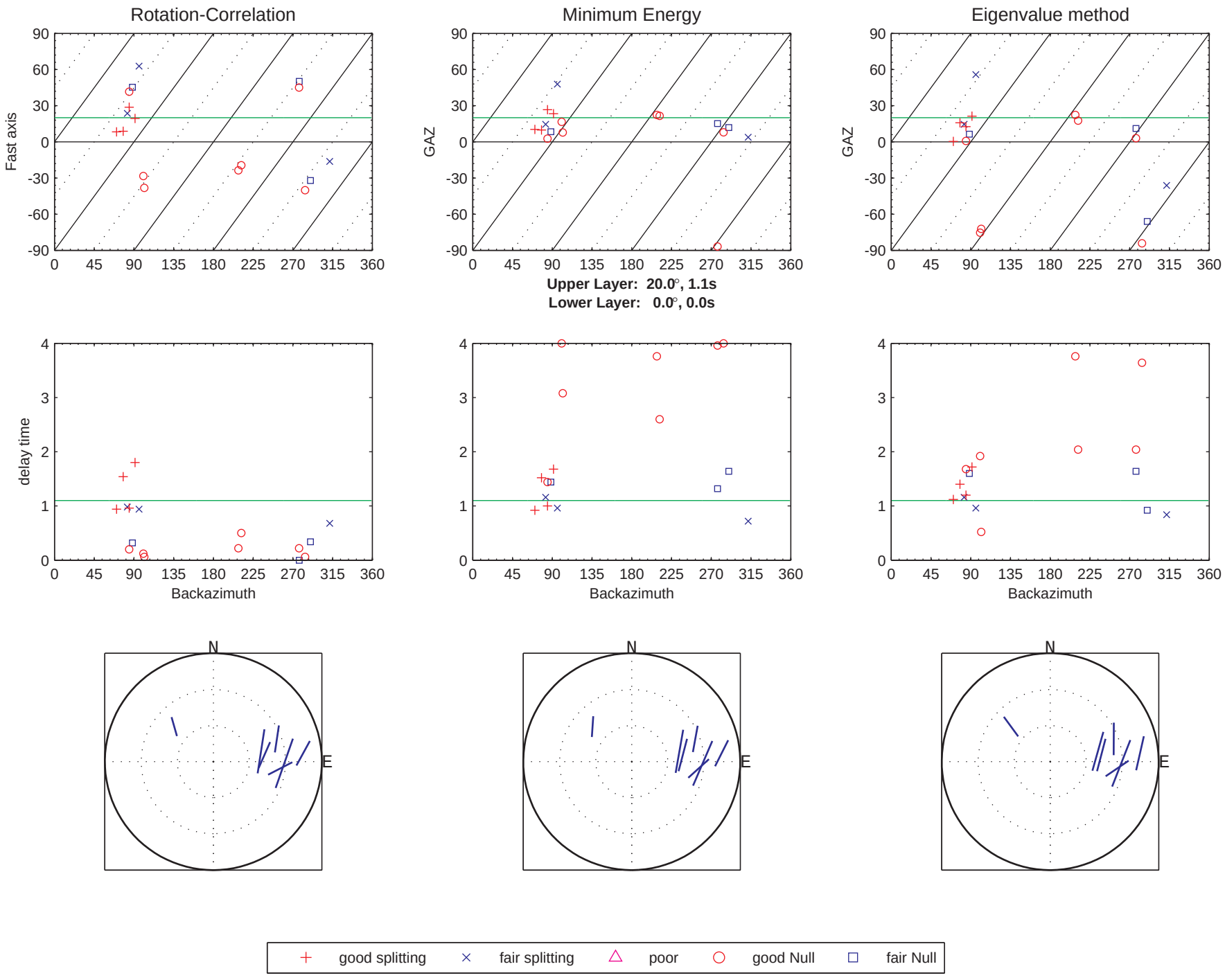
Upper Layer: 60Upper Layer: 1
Lower Layer: 0Lower Layer: 0



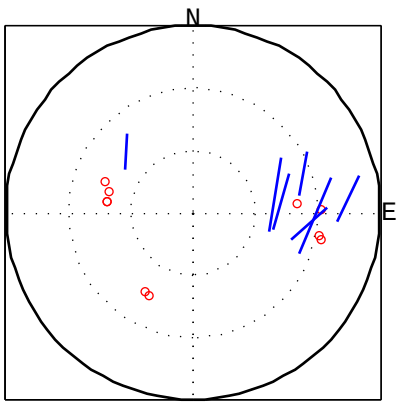
Minimum energy



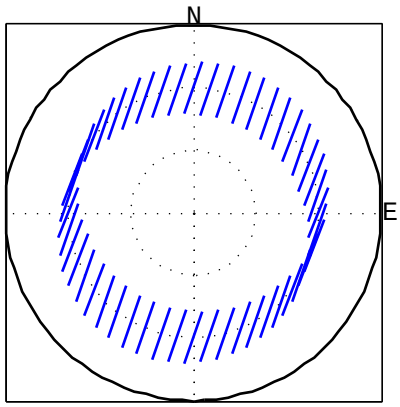
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
GAZ
GAZ
Upper Layer: 20.0°, 1.1s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
good splitting
fair splitting
poor
good Null
fair Null

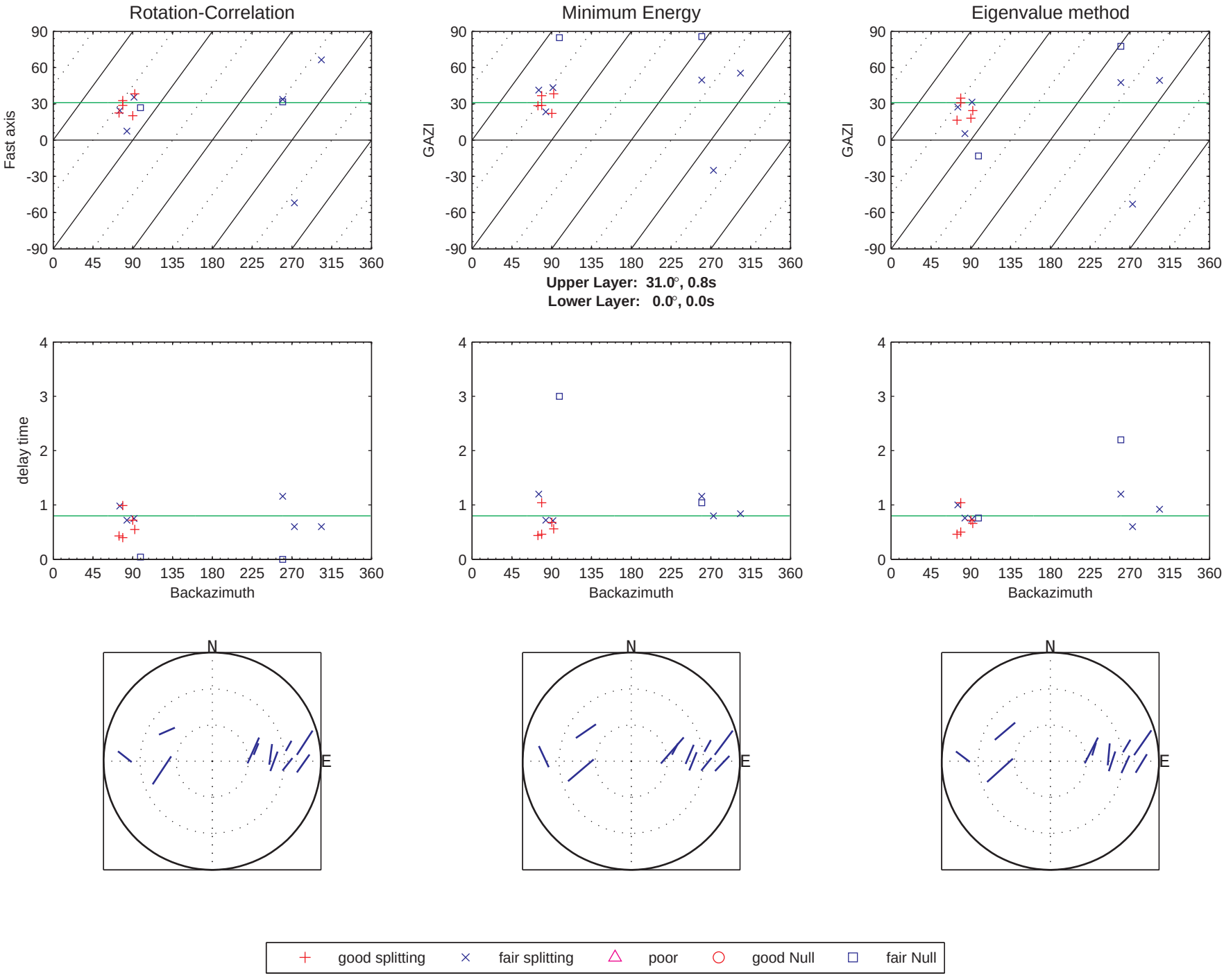
Upper Layer: 20Upper Layer: 1
Lower Layer: 0Lower Layer: 0



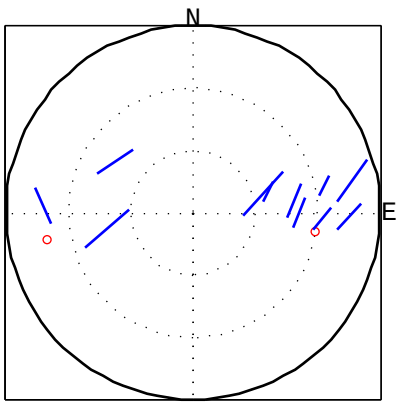
Minimum energy



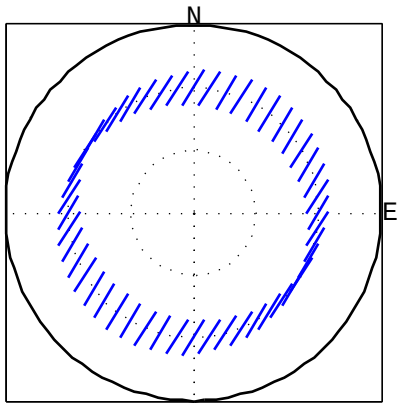
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
GAZI
GAZI
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
Upper Layer: 31.0°, 0.8s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

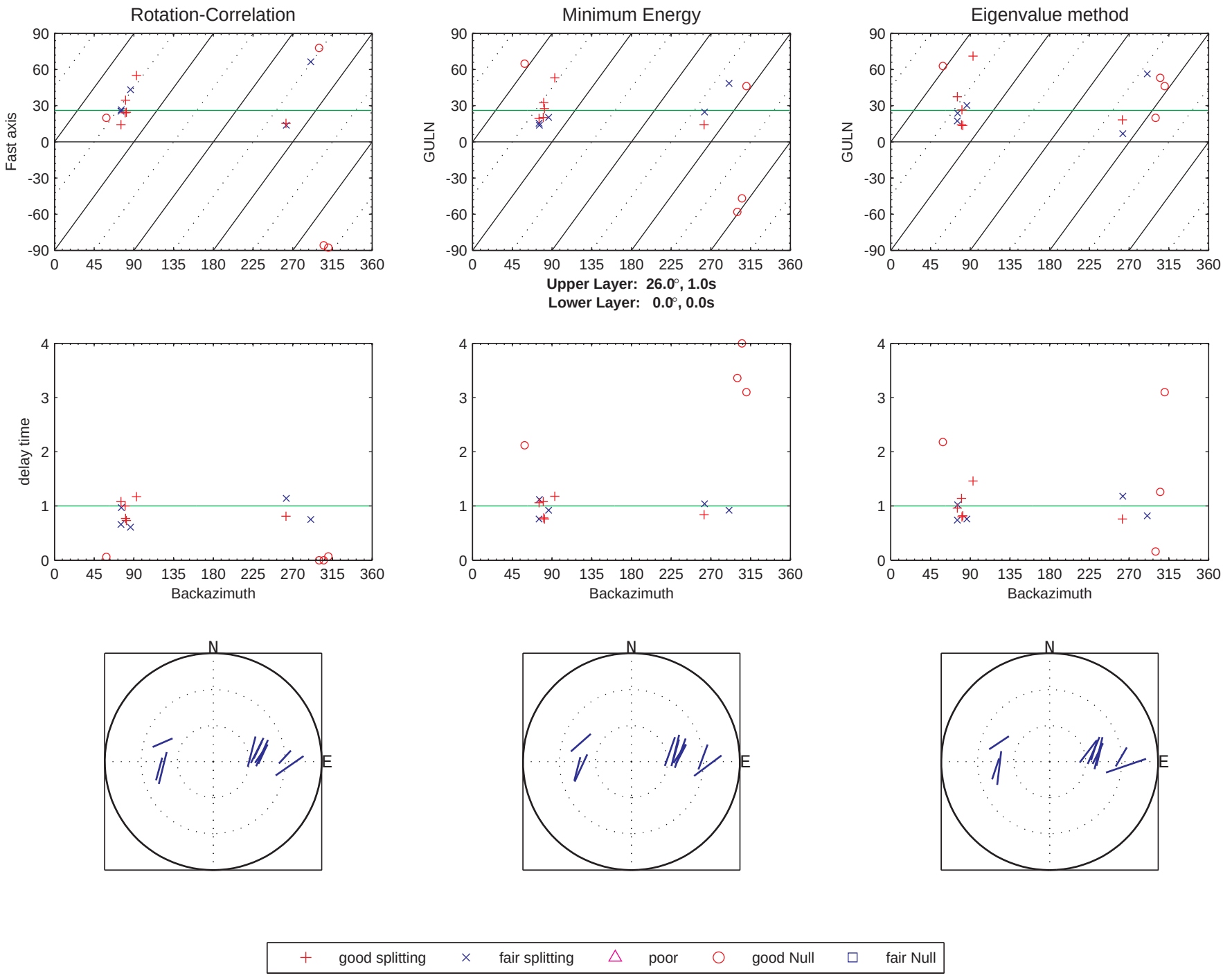
Upper Layer: 31Upper Layer: 1
Lower Layer: 0Lower Layer: 0



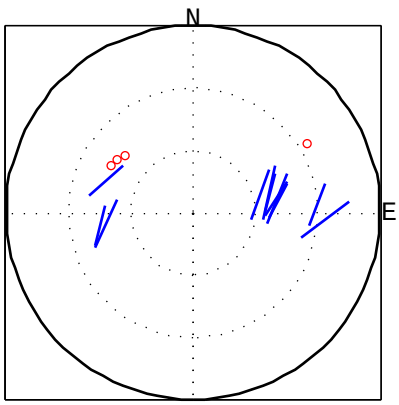
Minimum energy



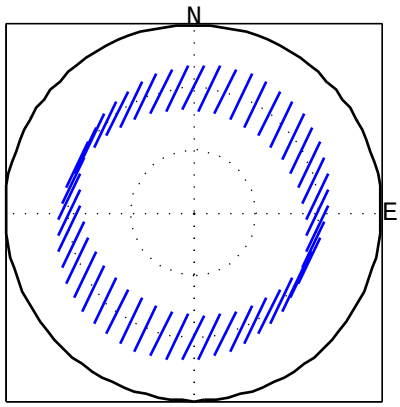
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
GULN
GULN
Upper Layer: 26.0°, 1.0s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

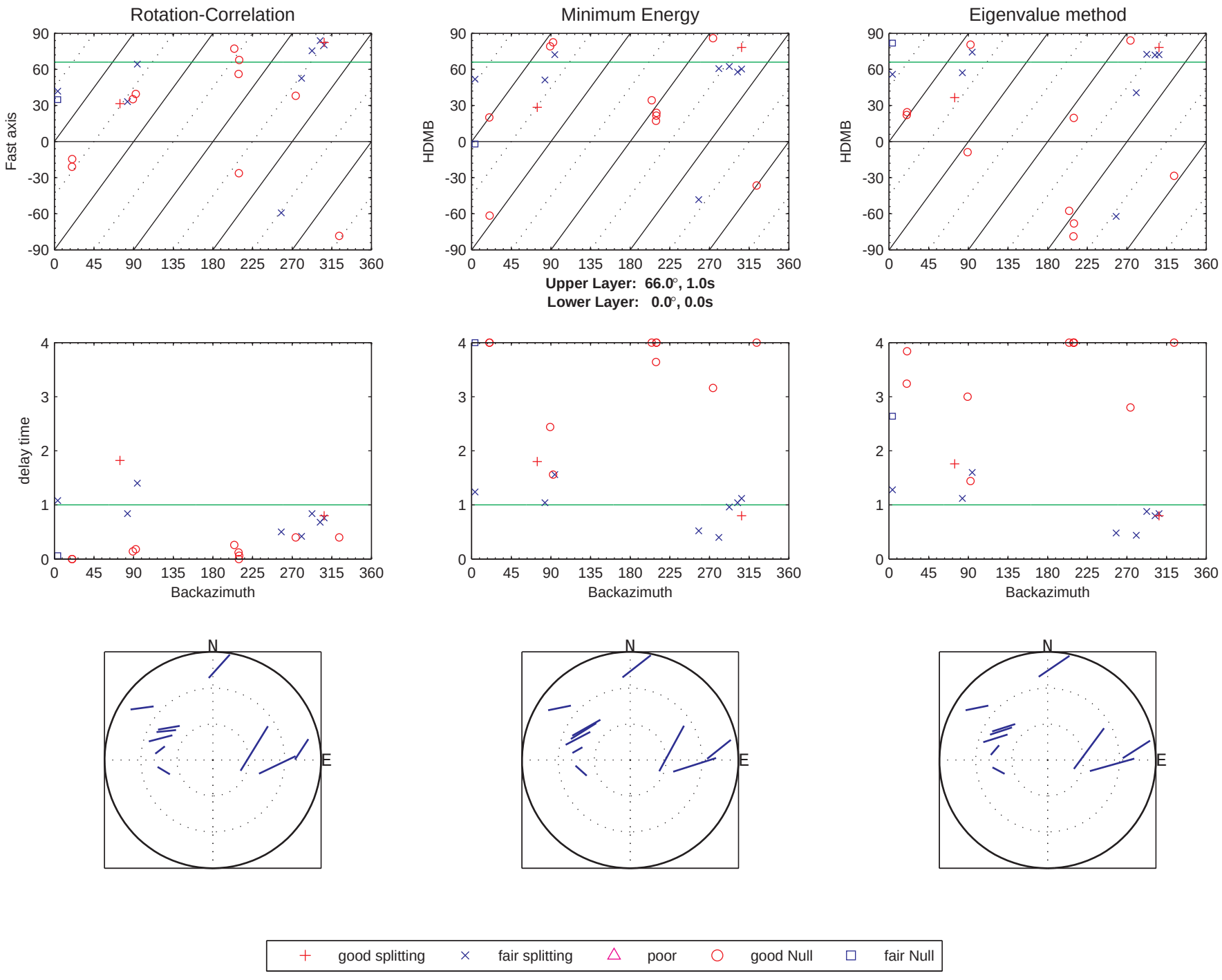
Upper Layer: 26Upper Layer: 1
Lower Layer: 0Lower Layer: 0



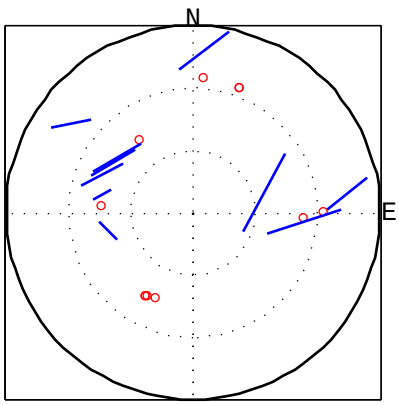
Minimum energy



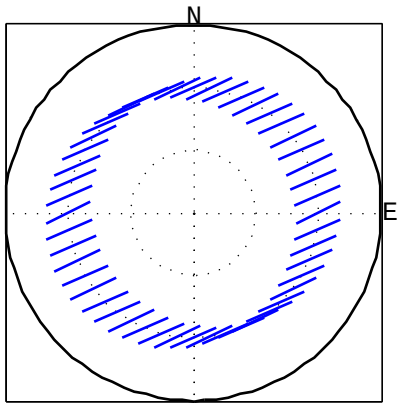
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
HDMB
HDMB
Upper Layer: 66.0°, 1.0s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

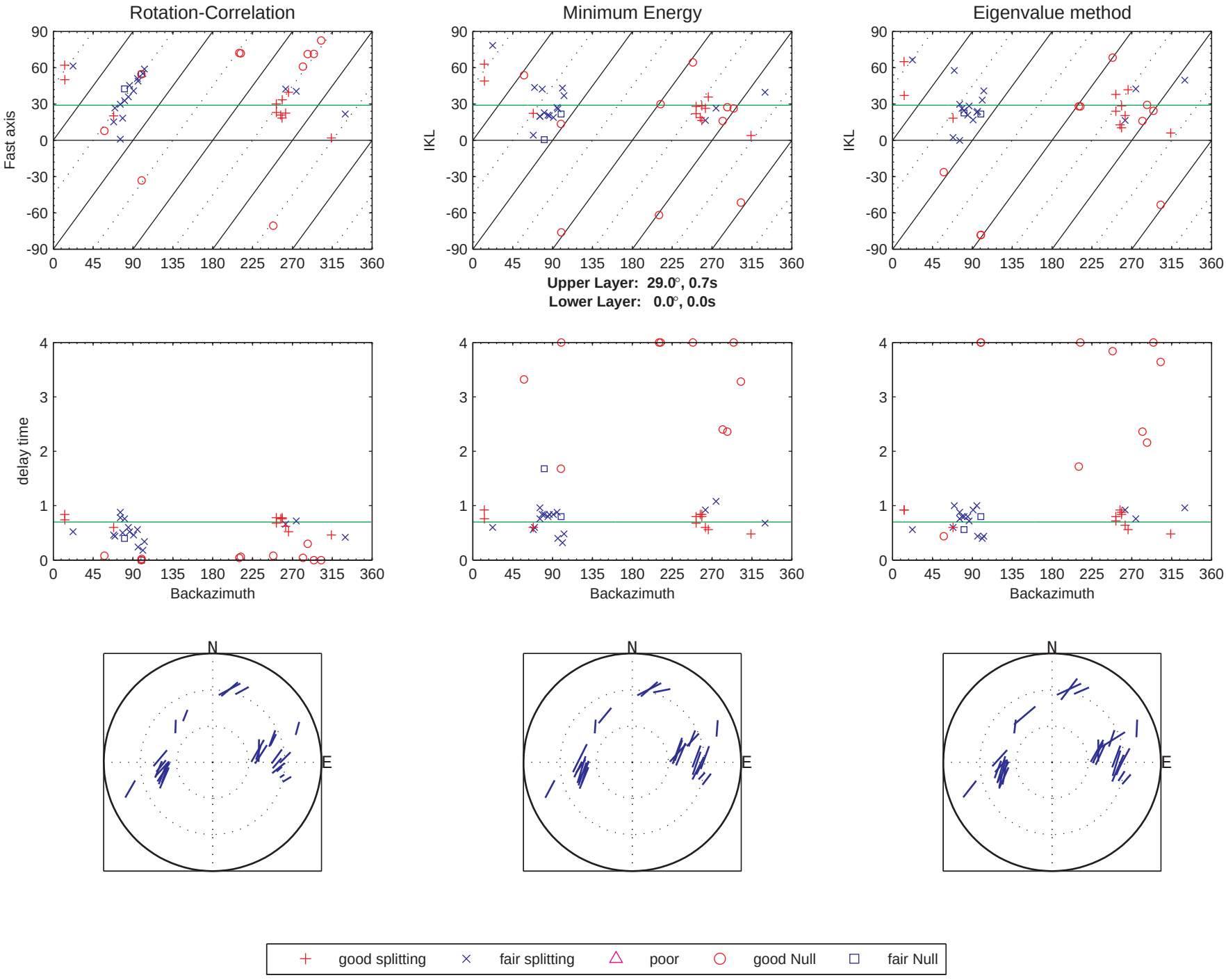
Upper Layer: 66Upper Layer: 1
Lower Layer: 0Lower Layer: 0



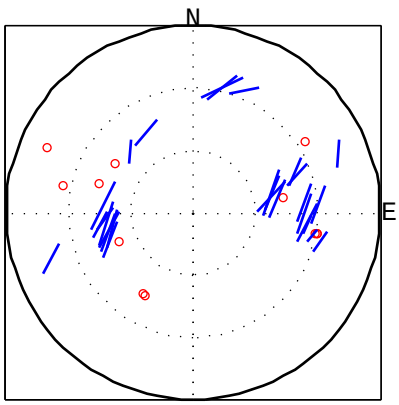
Minimum energy



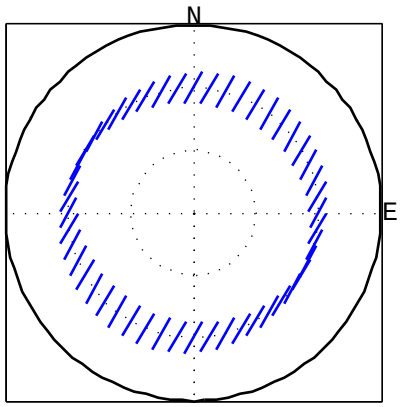
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
IKL
IKL
Upper Layer: 29.0°, 0.7s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

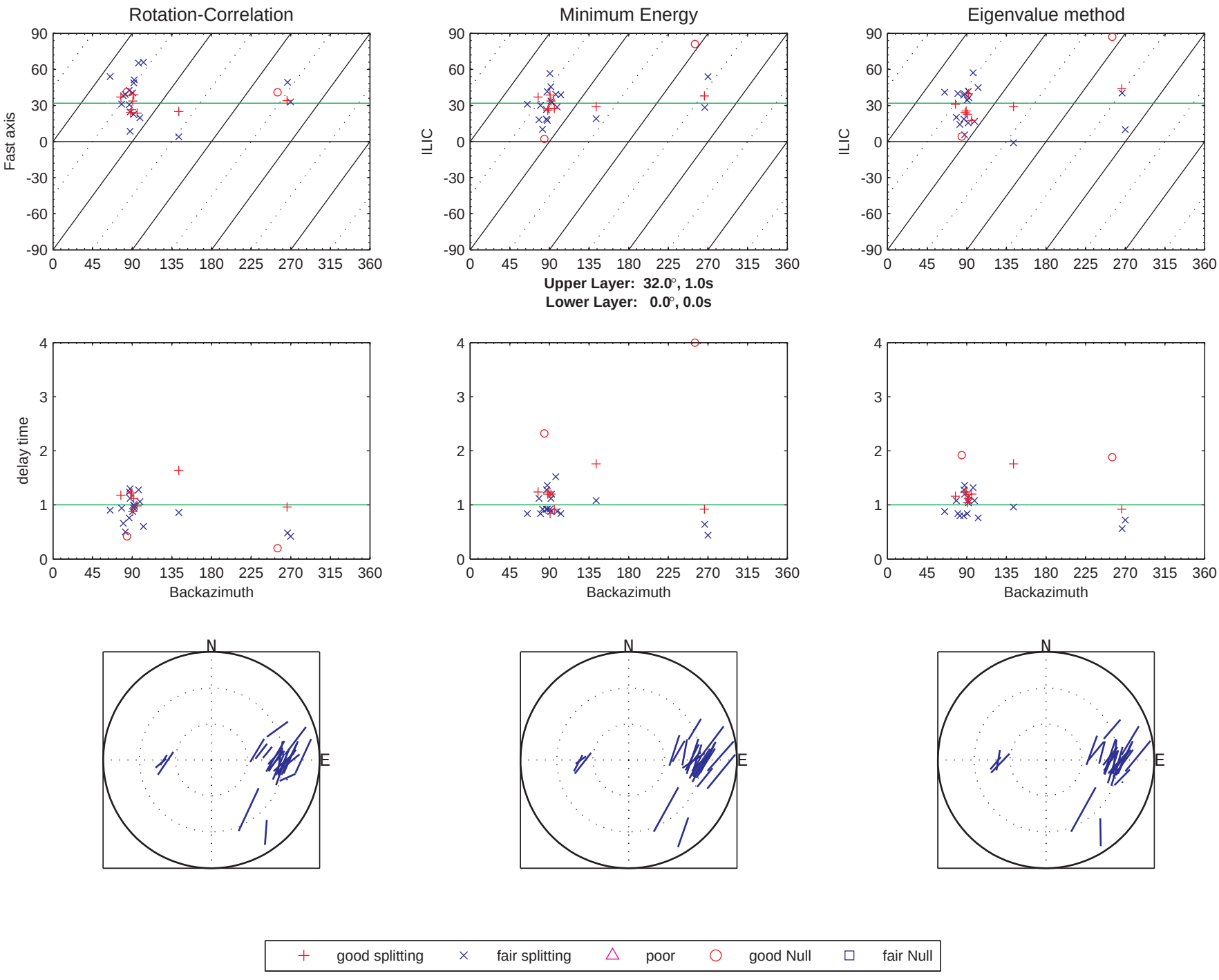
Upper Layer: 29Upper Layer: 1
Lower Layer: 0Lower Layer: 0



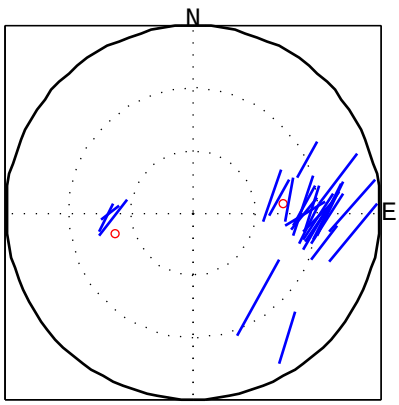
Minimum energy



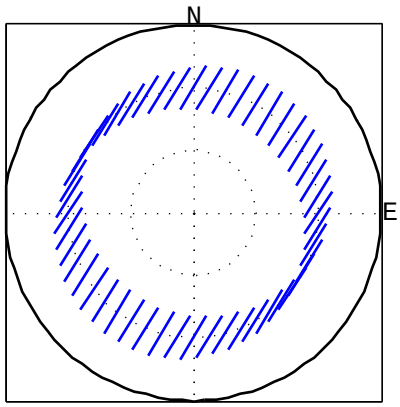
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
ILIC
ILIC
Upper Layer: 32.0°, 1.0s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

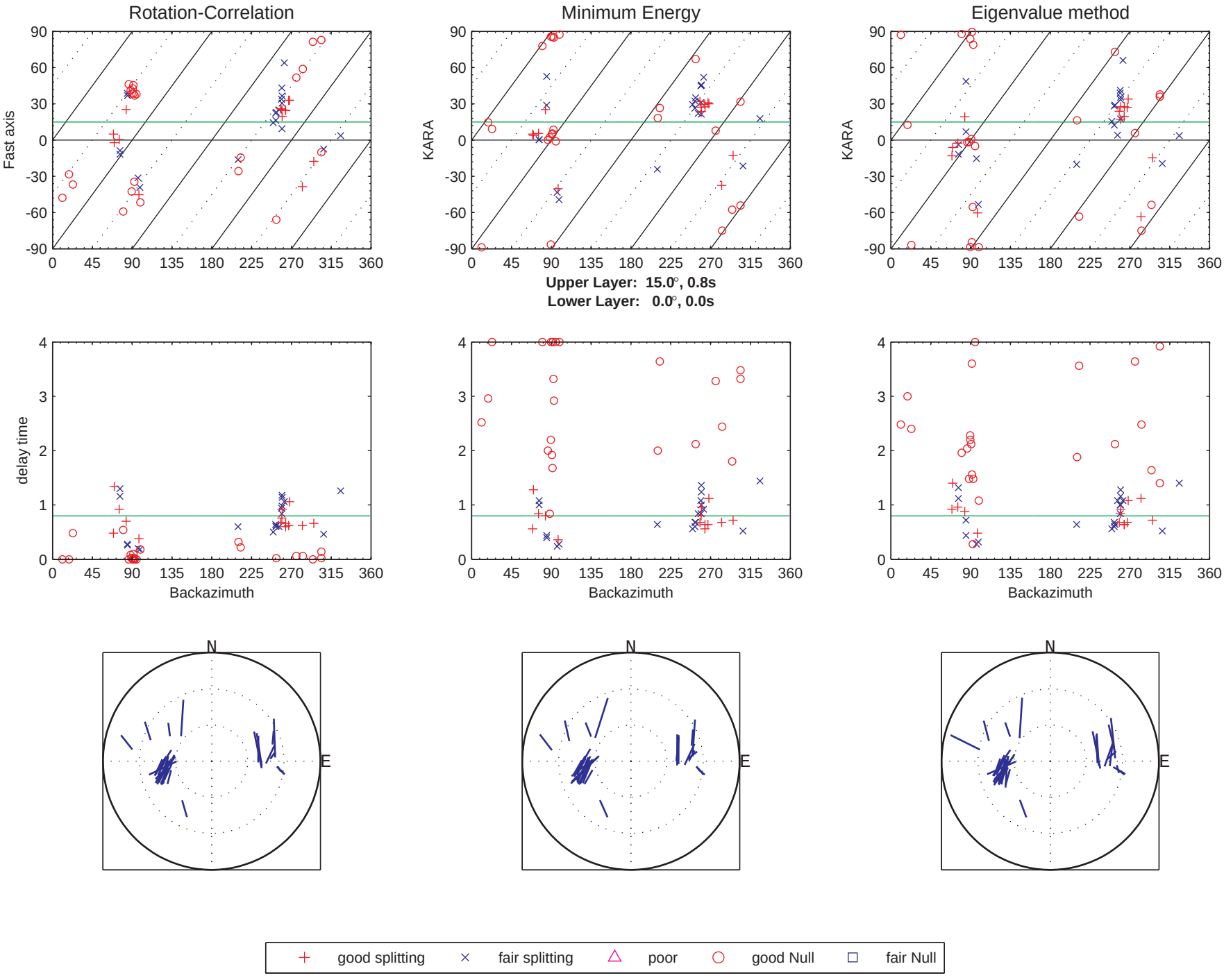
Upper Layer: 32Upper Layer: 1
Lower Layer: 0Lower Layer: 0



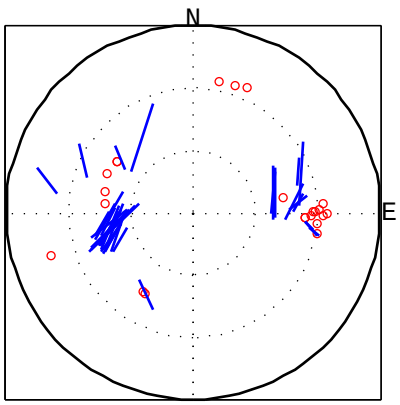
Minimum energy



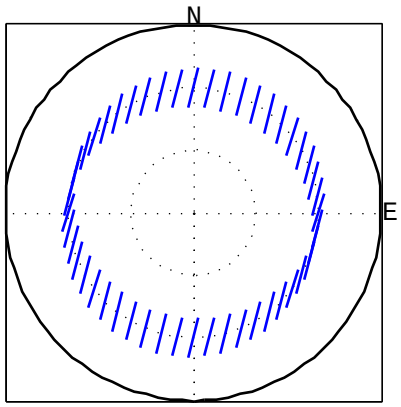
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
KARA
KARA
Upper Layer: 15.0°, 0.8s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

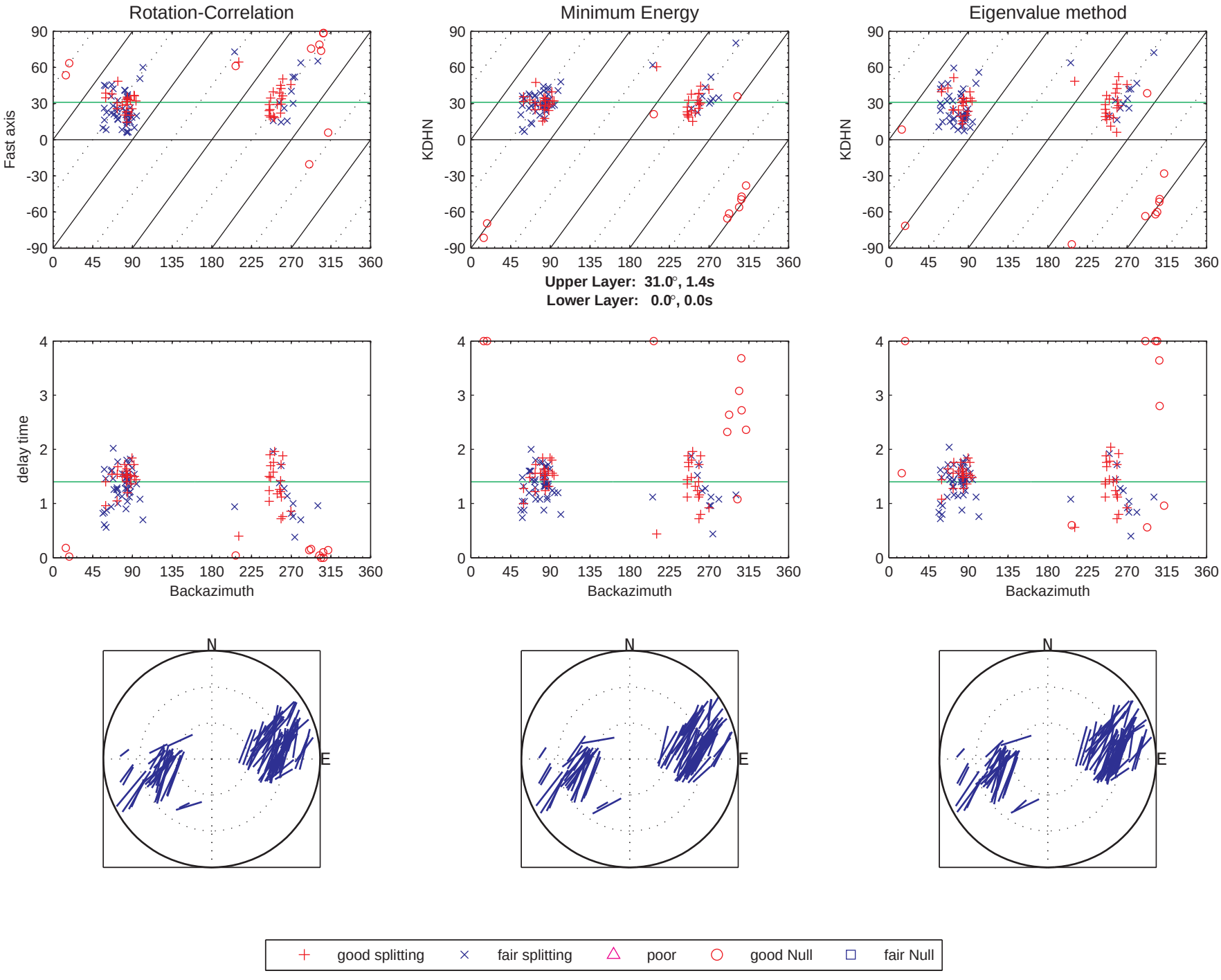
Upper Layer: 15Upper Layer: 1
Lower Layer: 0Lower Layer: 0



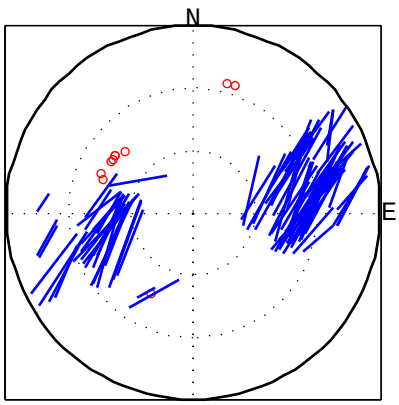
Minimum energy



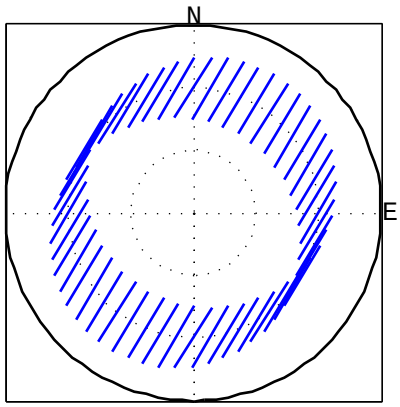
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
KDHN
KDHN
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
Upper Layer: 31.0°, 1.4s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

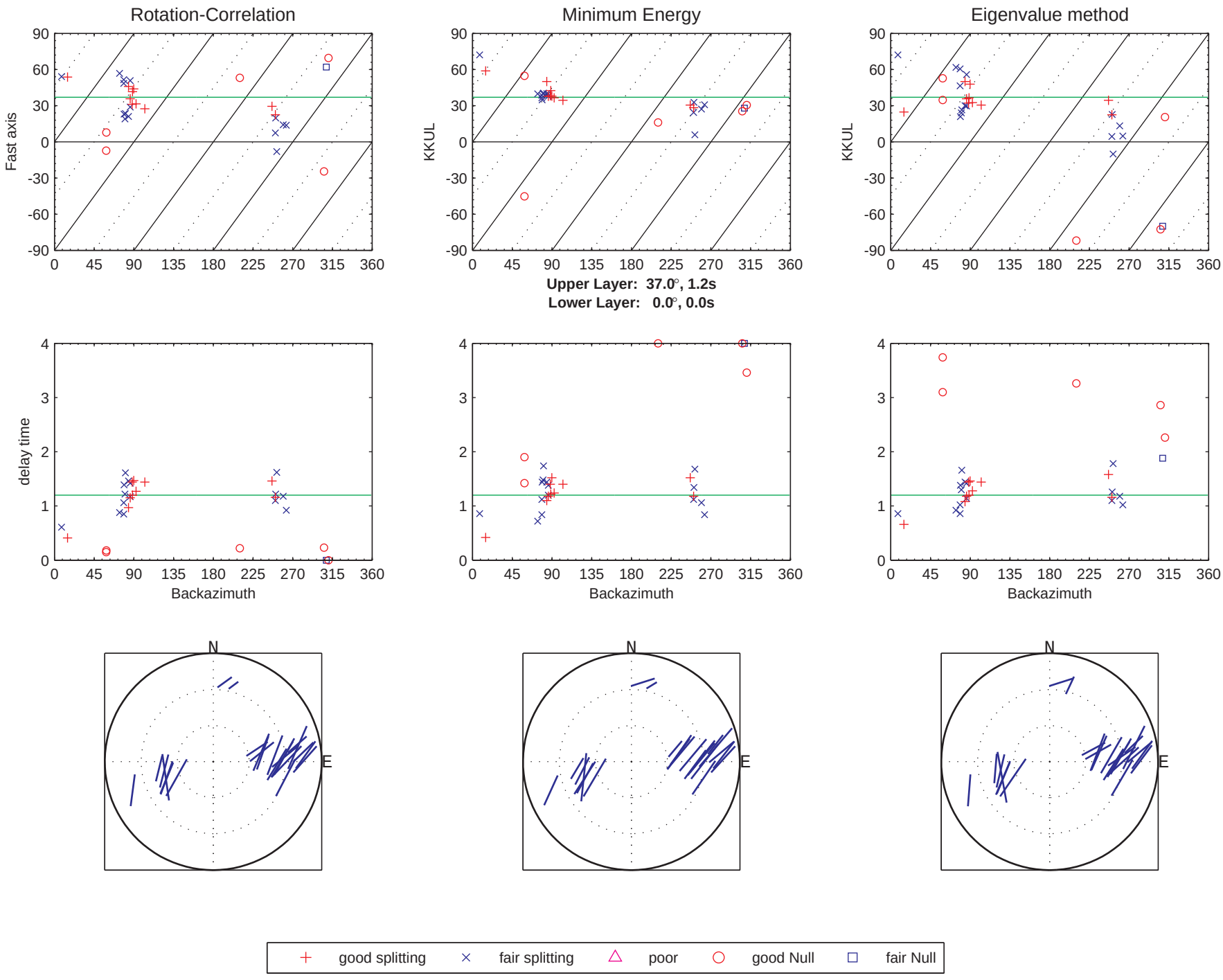
Upper Layer: 31Upper Layer: 1
Lower Layer: 0Lower Layer: 0



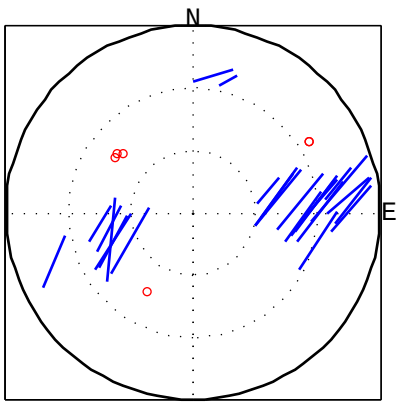
Minimum energy



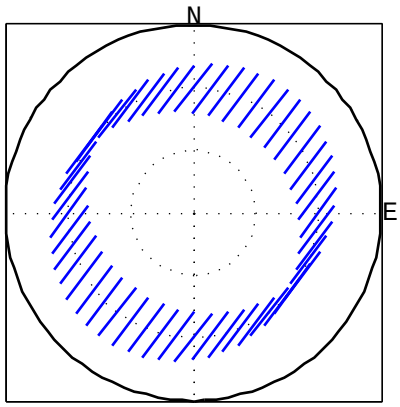
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
KKUL
KKUL
Upper Layer: 37.0°, 1.2s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

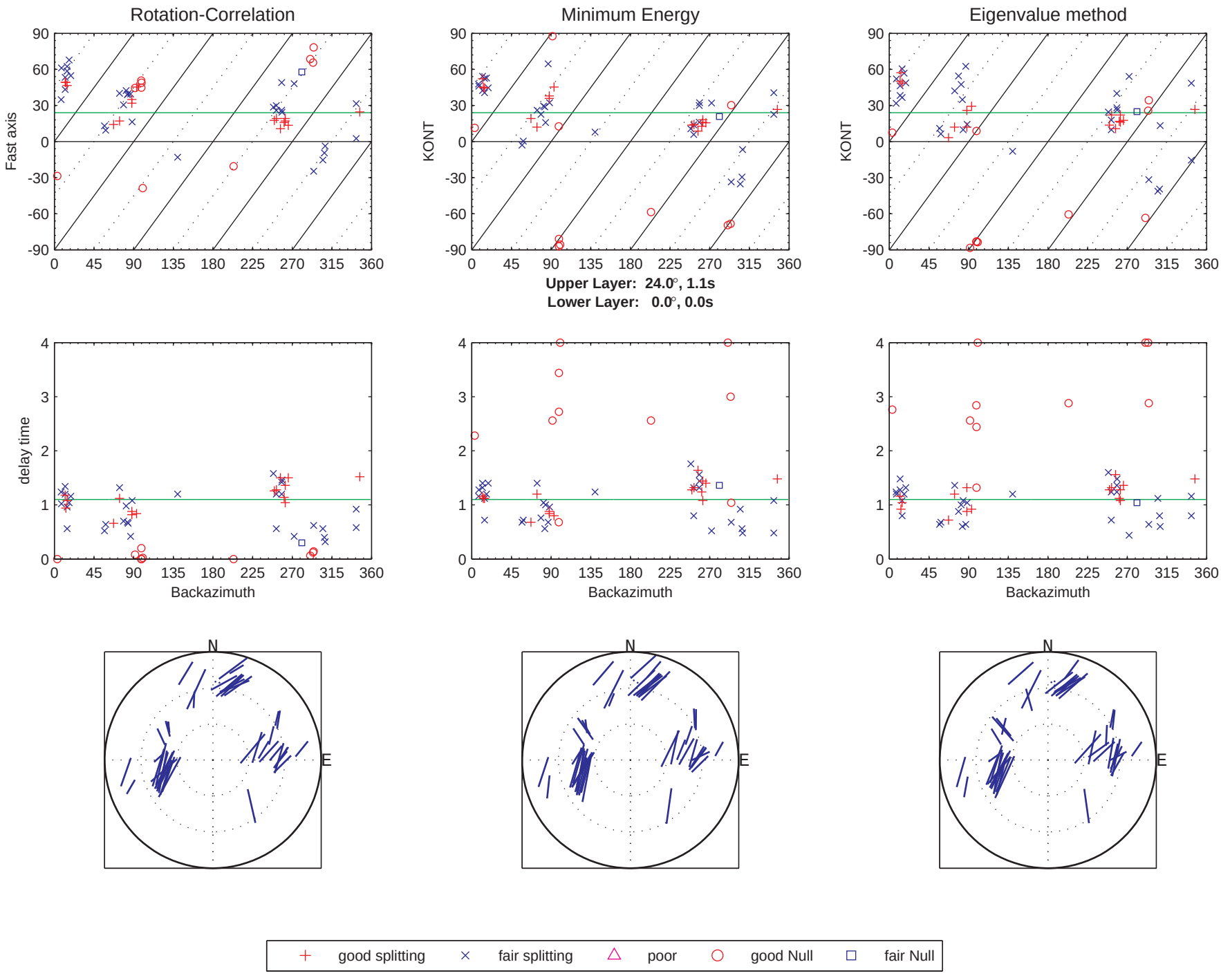
Upper Layer: 37Upper Layer: 1
Lower Layer: 0Lower Layer: 0



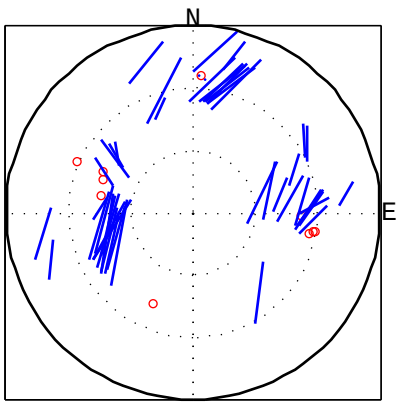
Minimum energy



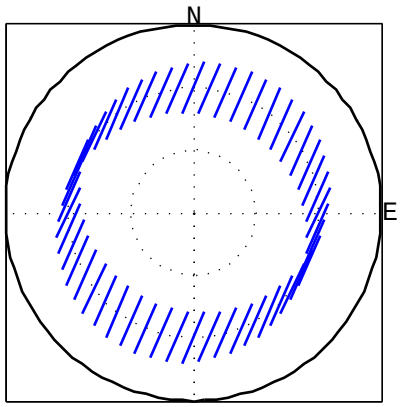
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
KONT
KONT
Upper Layer: 24.0°, 1.1s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

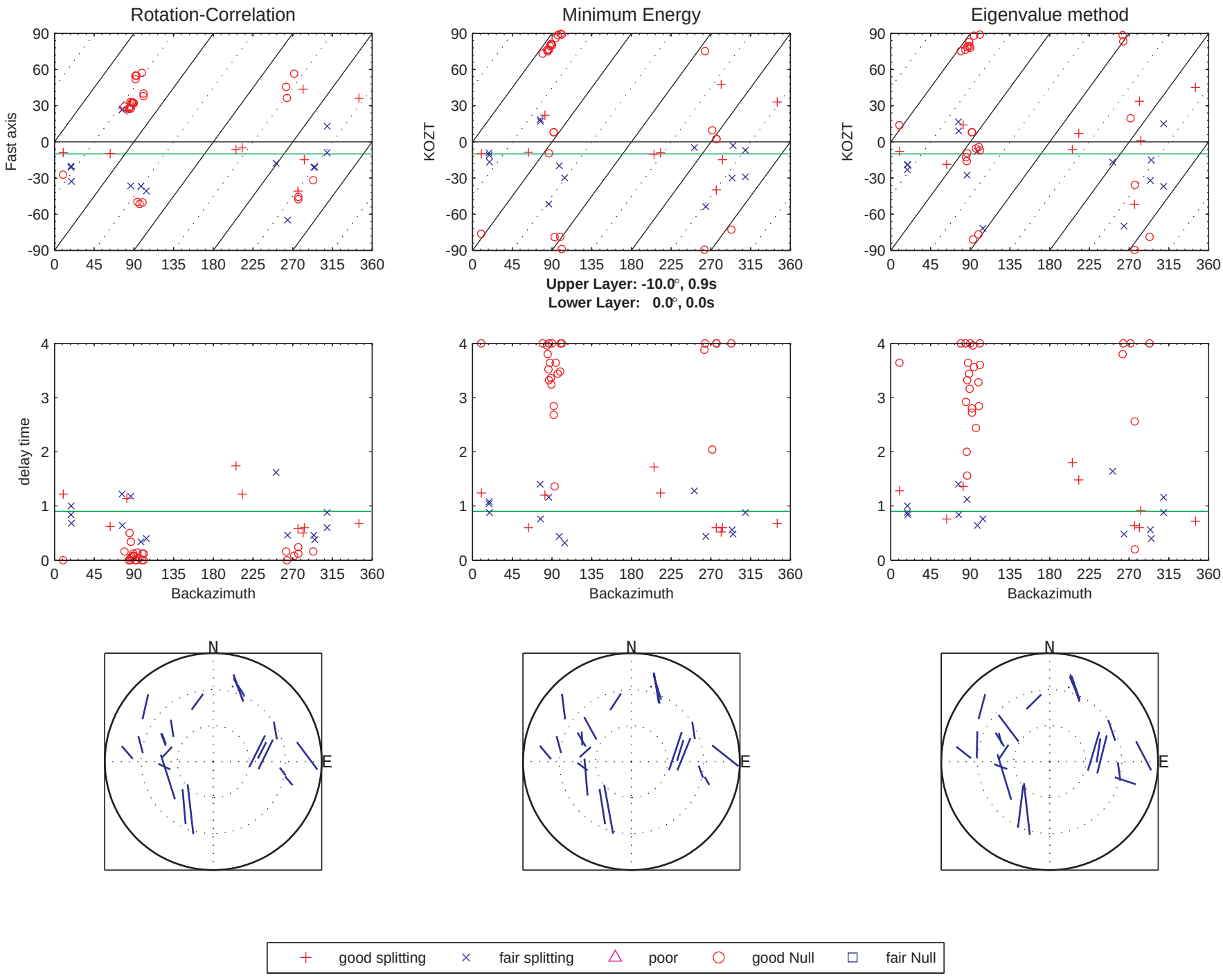
Upper Layer: 24Upper Layer: 1
Lower Layer: 0Lower Layer: 0



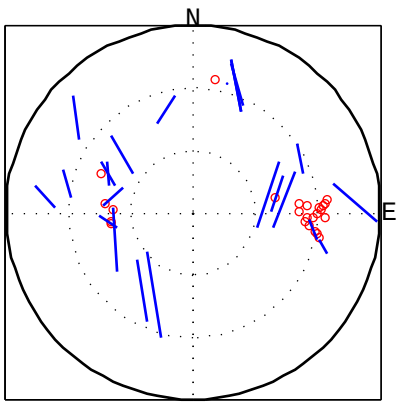
Minimum energy



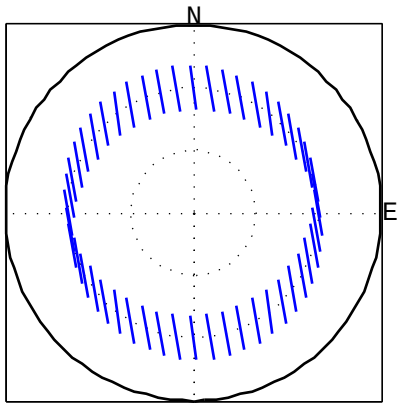
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
KOZT
KOZT
Upper Layer: -10.0°, 0.9s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

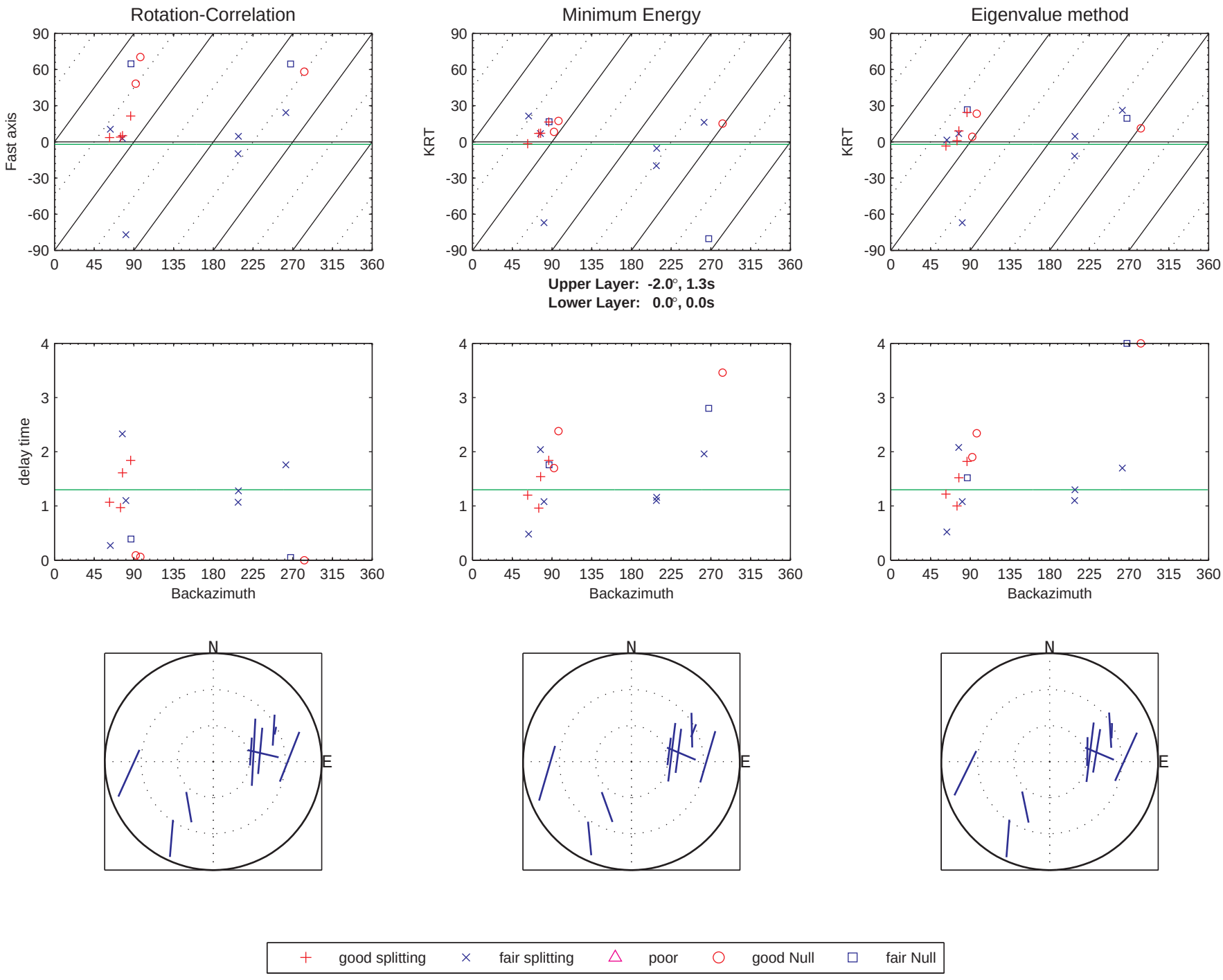
Upper Layer: −10Upper Layer: 1
Lower Layer: 0Lower Layer: 0



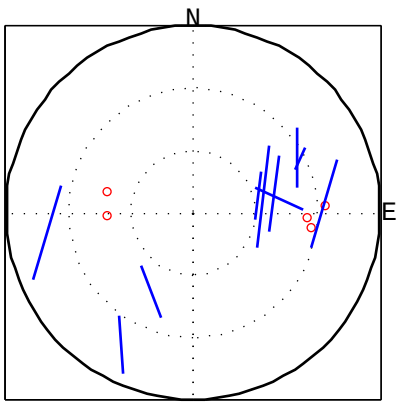
Minimum energy



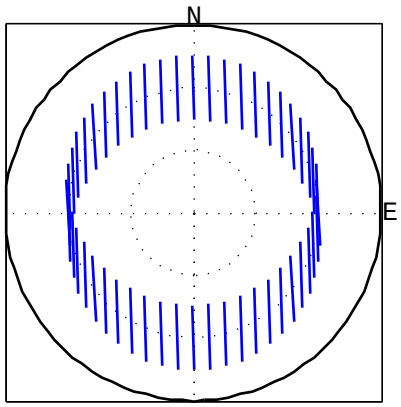
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
KRT
KRT
Upper Layer: -2.0°, 1.3s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

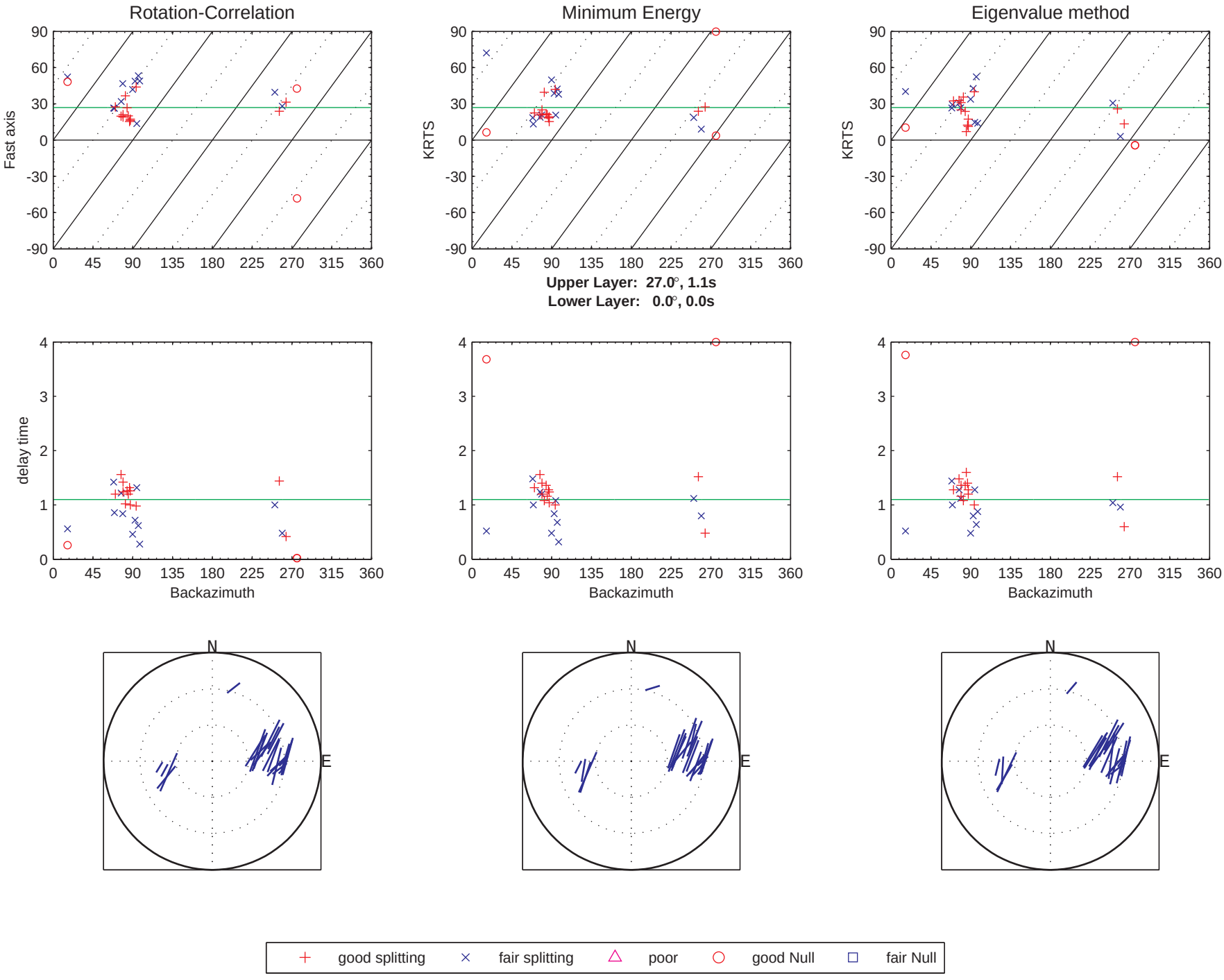
Upper Layer: −2Upper Layer: 1
Lower Layer: 0Lower Layer: 0



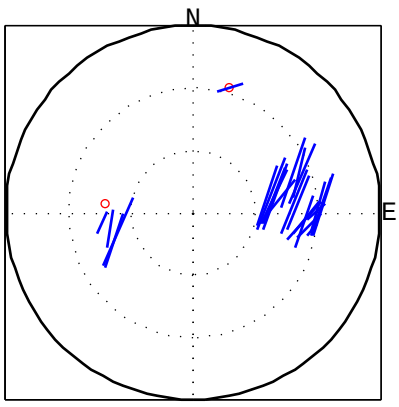
Minimum energy



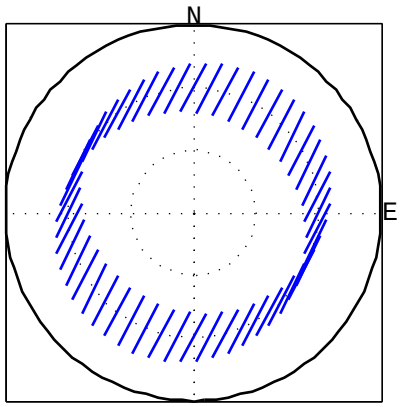
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
KRTS
KRTS
Upper Layer: 27.0°, 1.1s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

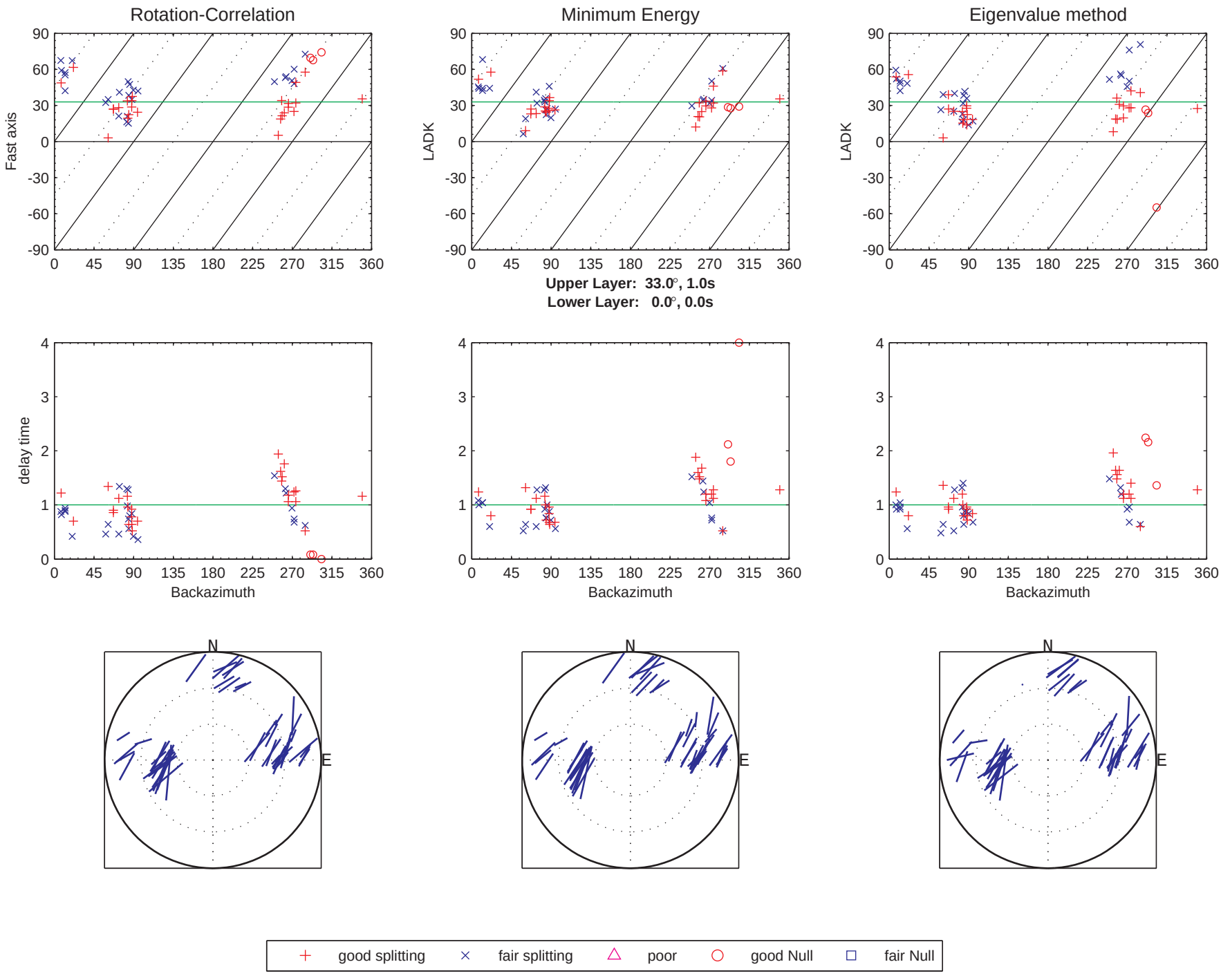
Upper Layer: 27Upper Layer: 1
Lower Layer: 0Lower Layer: 0



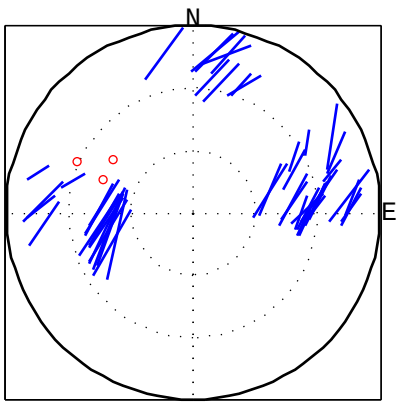
Minimum energy



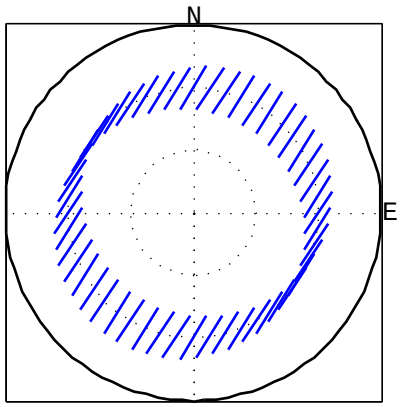
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
LADK
LADK
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
Upper Layer: 33.0°, 1.0s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

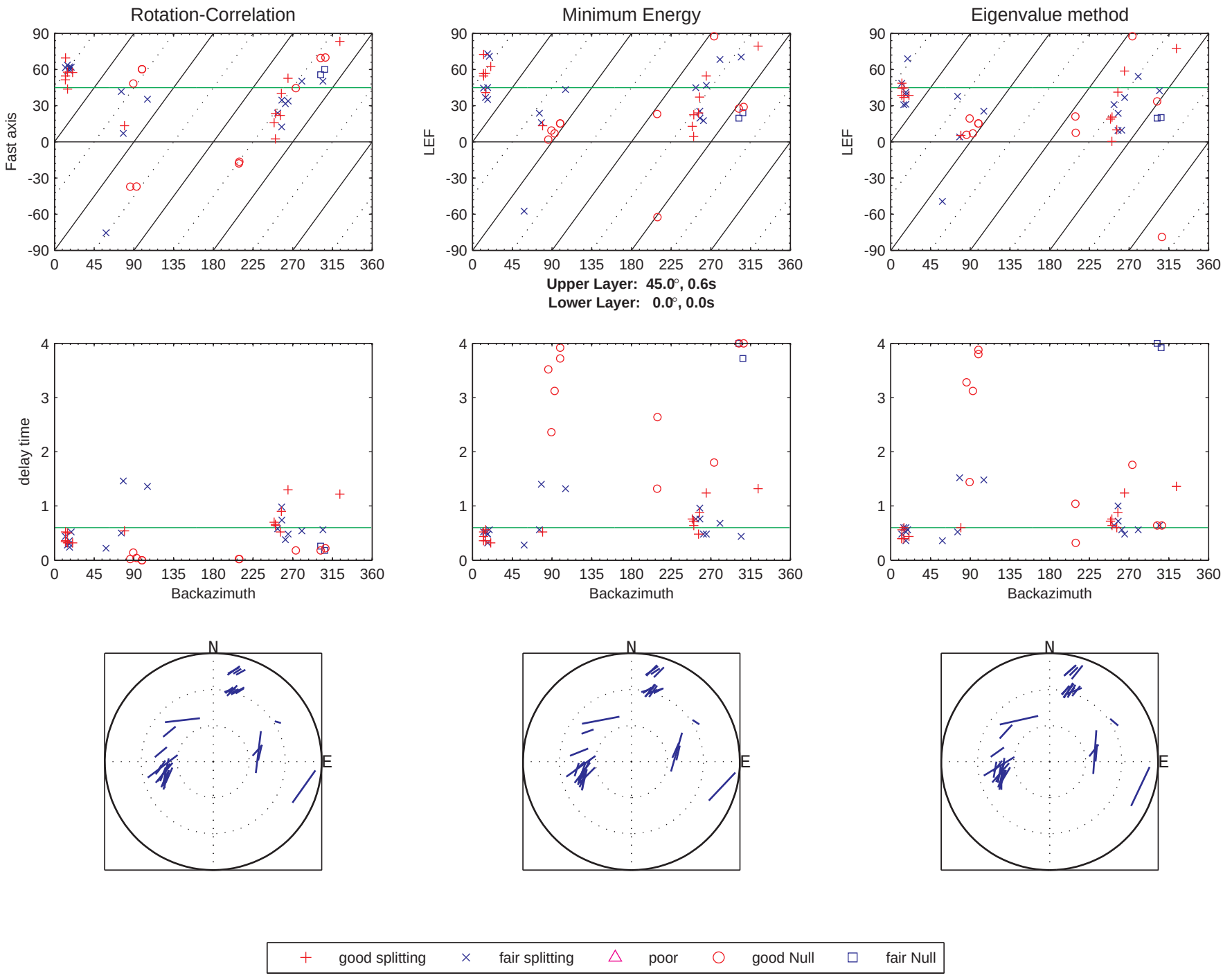
Upper Layer: 33Upper Layer: 1
Lower Layer: 0Lower Layer: 0



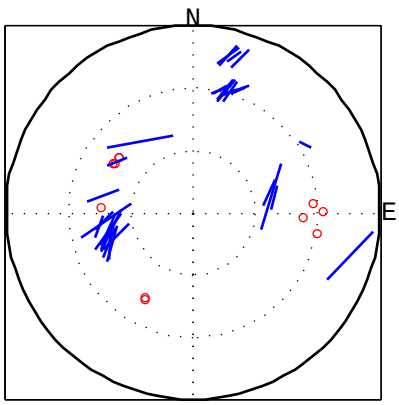
Minimum energy



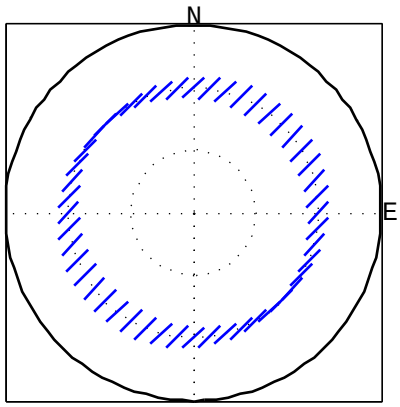
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
LEF
LEF
Upper Layer: 45.0°, 0.6s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

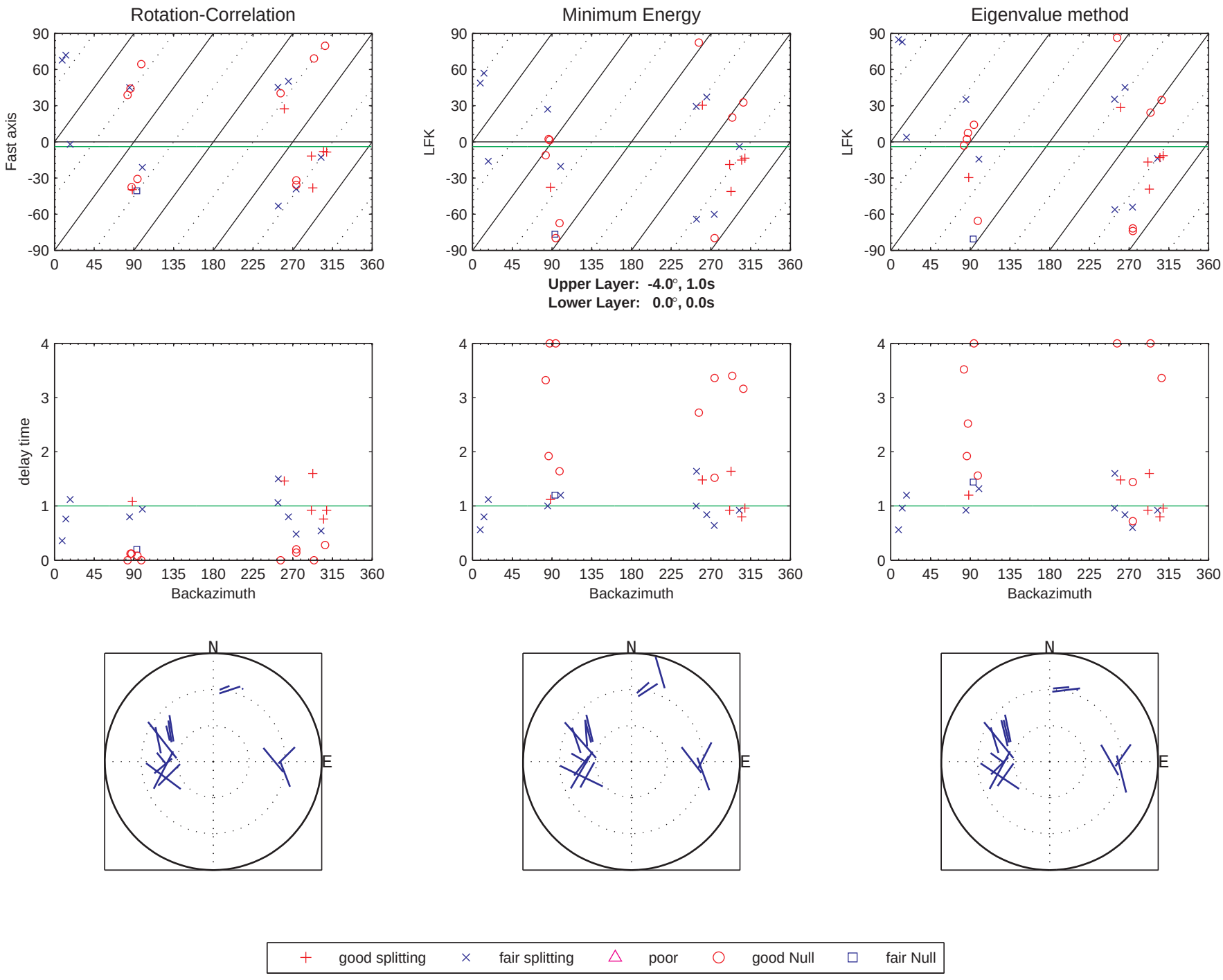
Upper Layer: 45Upper Layer: 1
Lower Layer: 0Lower Layer: 0



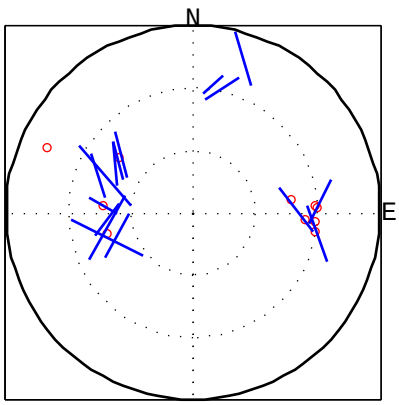
Minimum energy



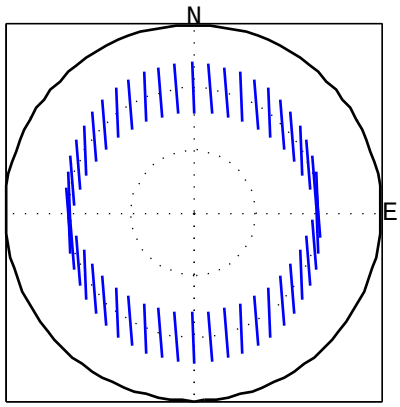
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
LFK
LFK
Upper Layer: -4.0°, 1.0s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

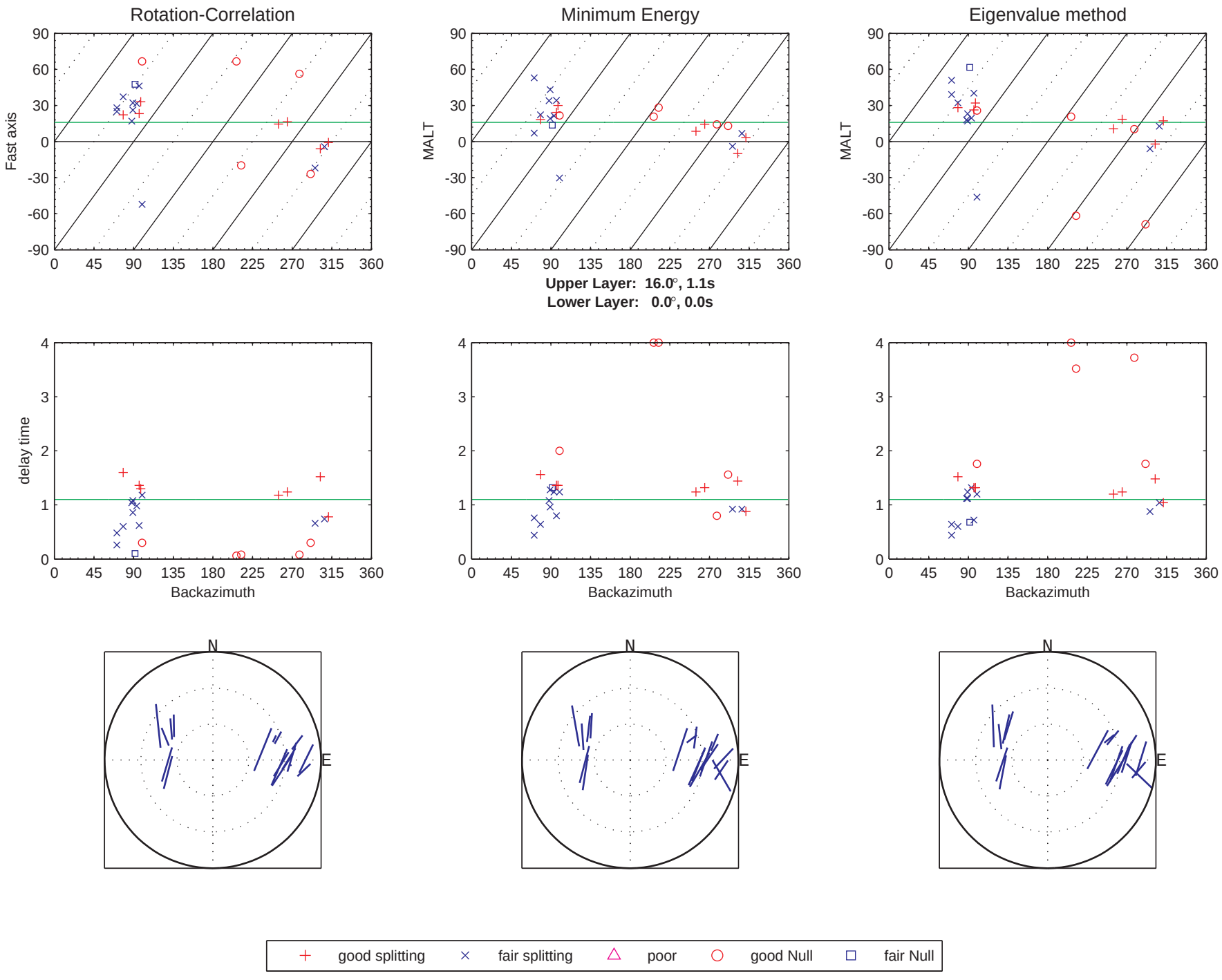
Upper Layer: −4Upper Layer: 1
Lower Layer: 0Lower Layer: 0



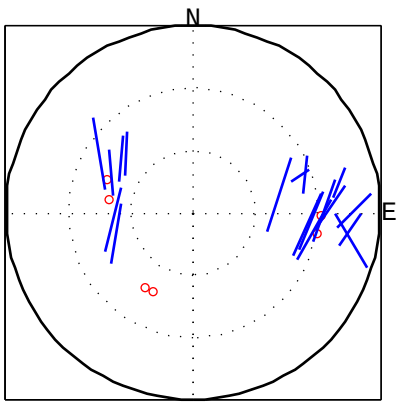
Minimum energy



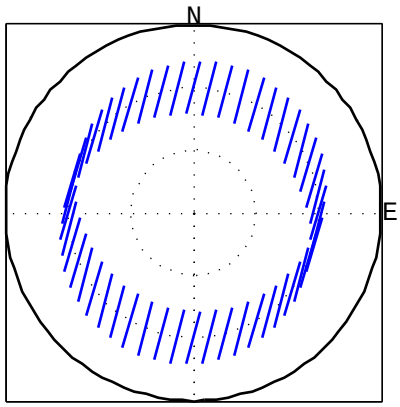
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
MALT
MALT
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
Upper Layer: 16.0°, 1.1s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

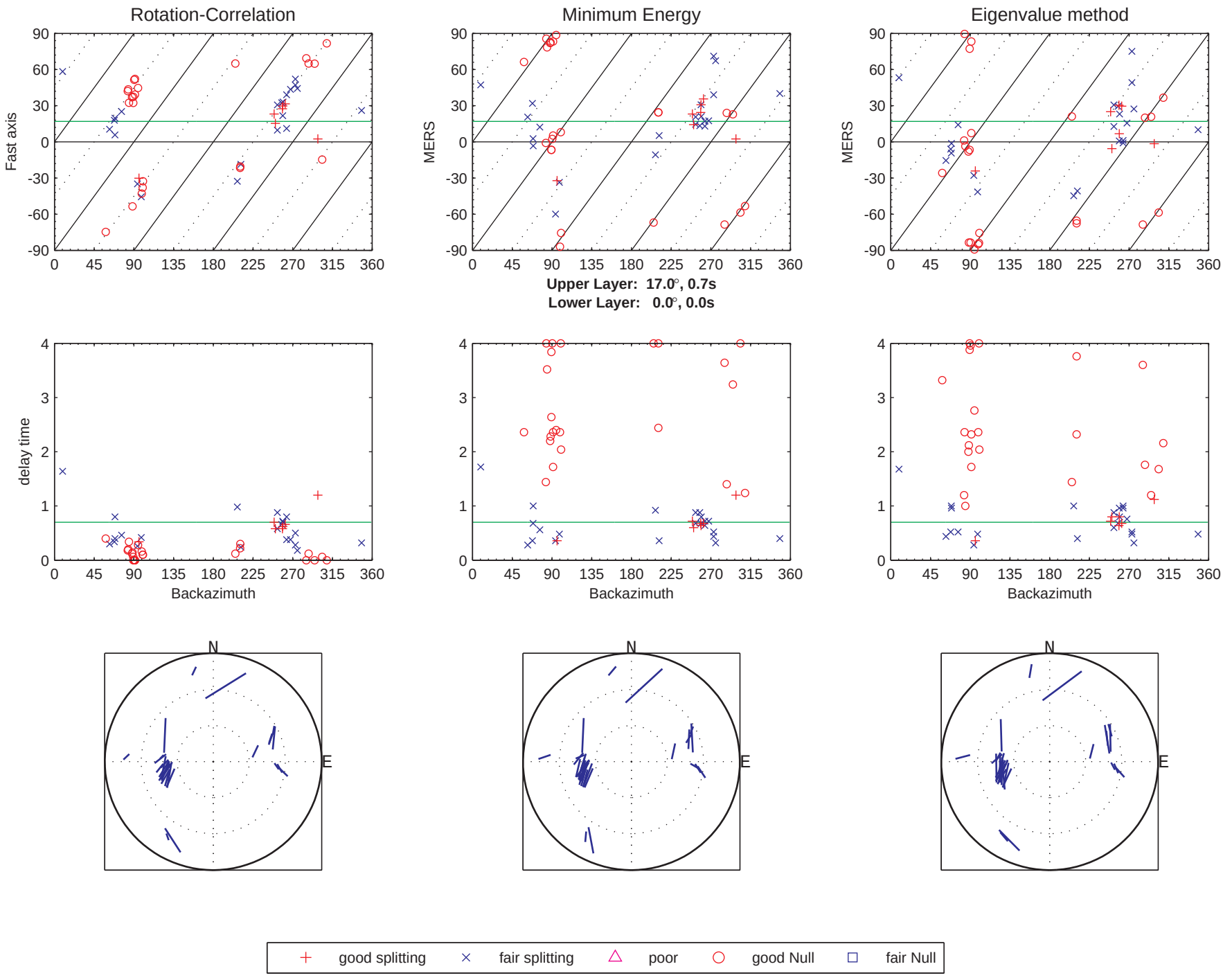
Upper Layer: 16Upper Layer: 1
Lower Layer: 0Lower Layer: 0



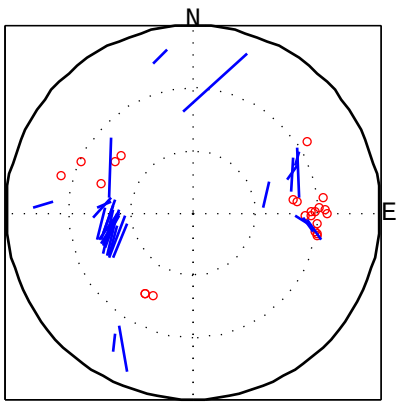
Minimum energy



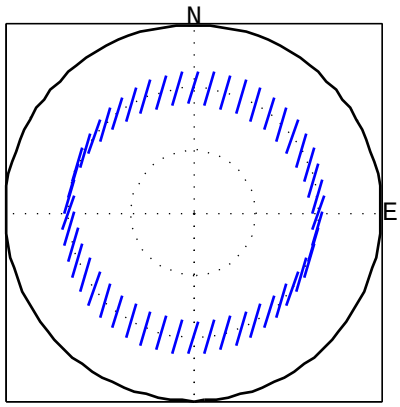
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
MERS
MERS
Upper Layer: 17.0°, 0.7s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

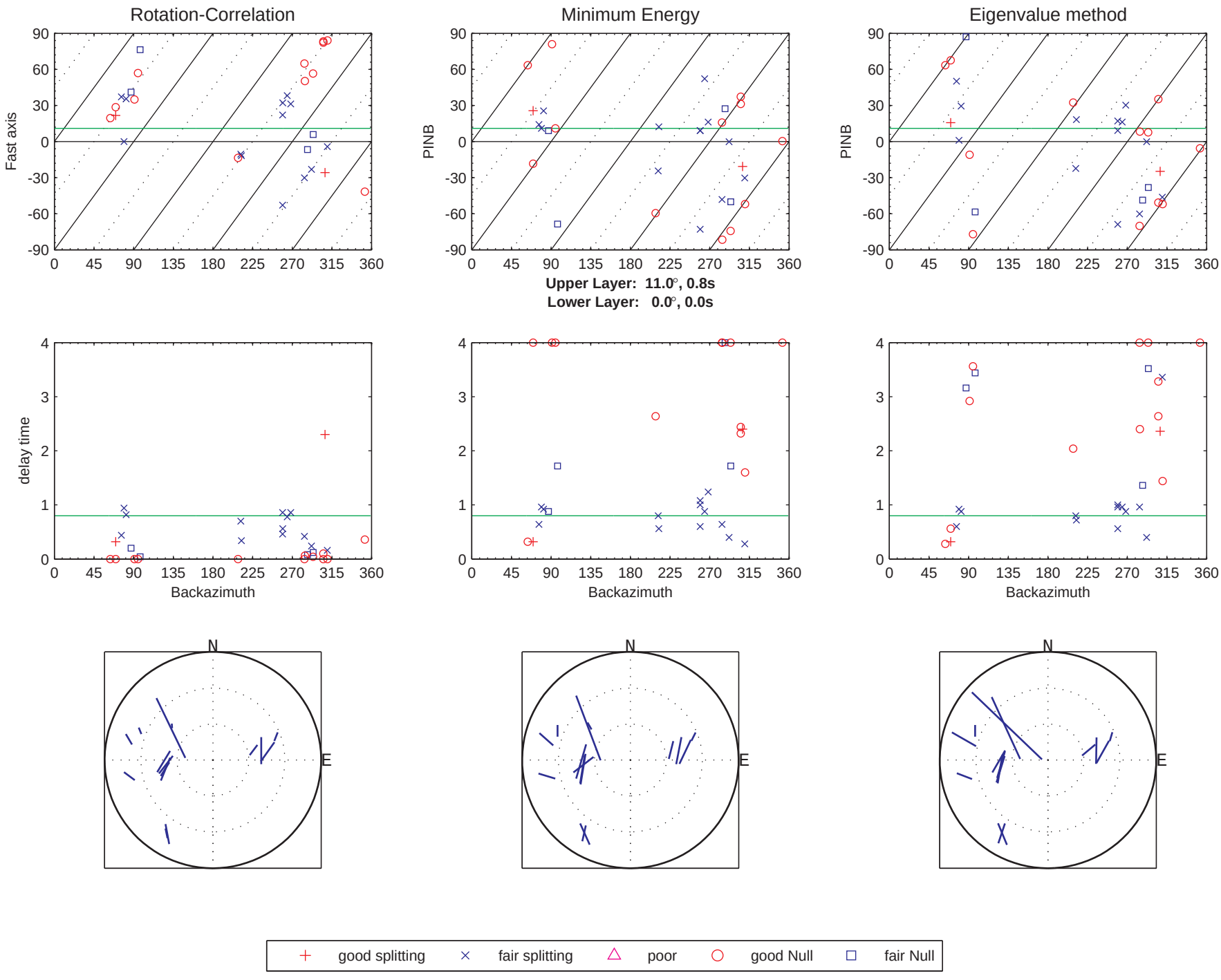
Upper Layer: 17Upper Layer: 1
Lower Layer: 0Lower Layer: 0



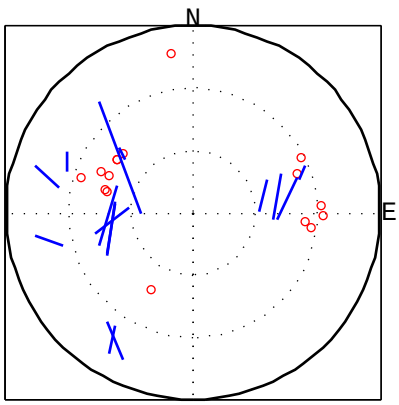
Minimum energy



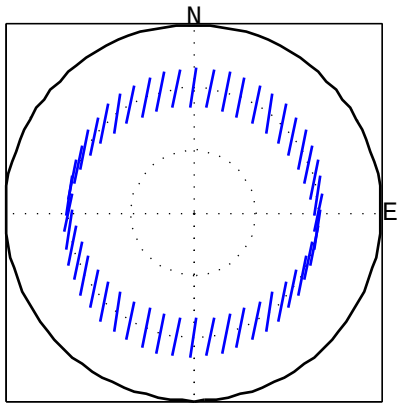
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
PINB
PINB
delay time
Backazimuth
Backazimuth
Backazimuth
Upper Layer: 11.0°, 0.8s
Lower Layer: 0.0°, 0.0s
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

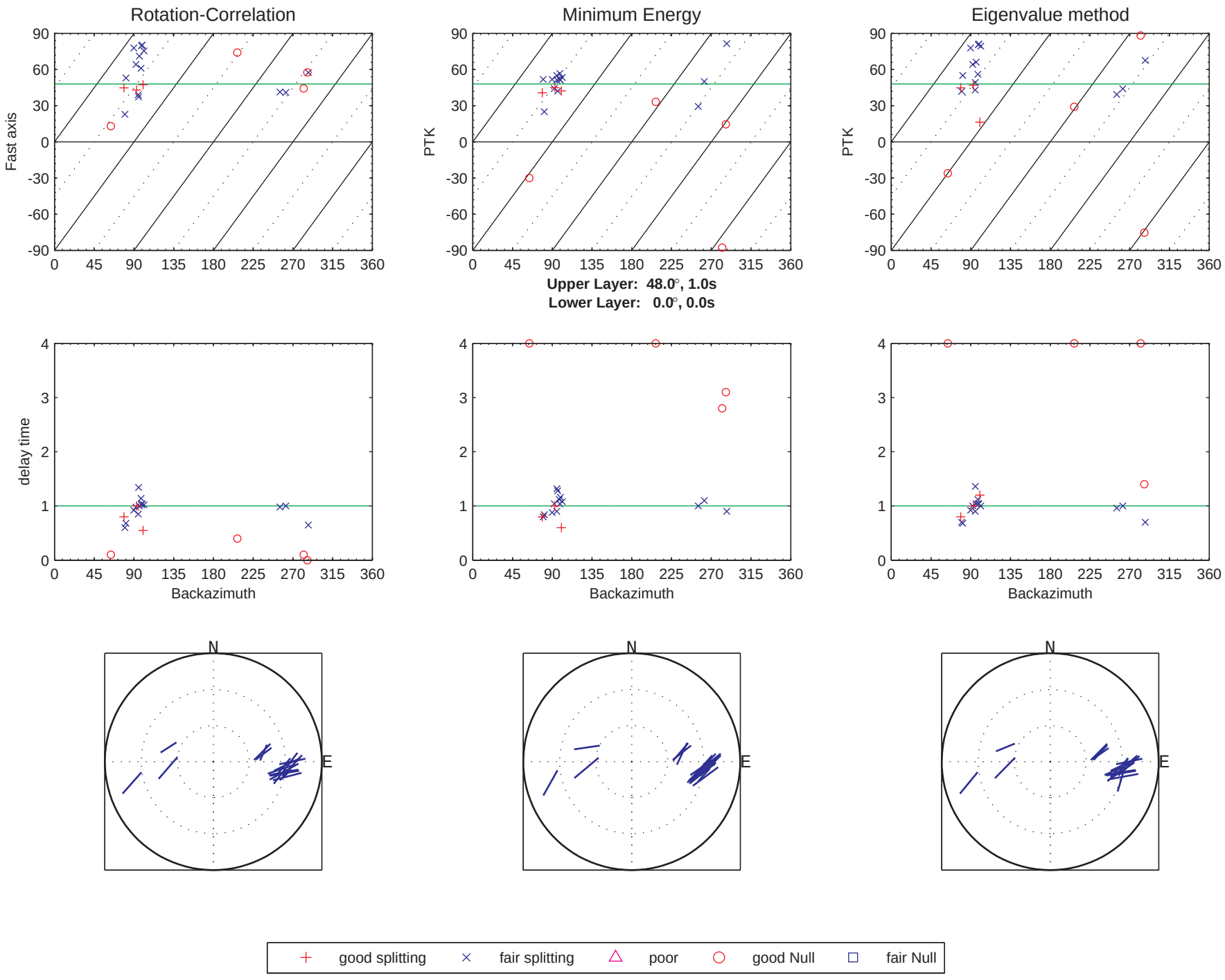
Upper Layer: 11Upper Layer: 1
Lower Layer: 0Lower Layer: 0



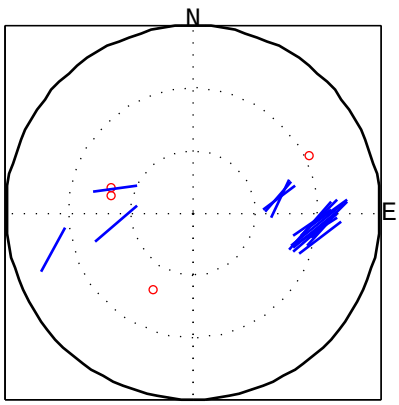
Minimum energy



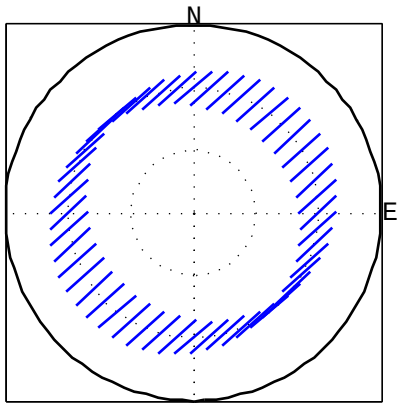
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
PTK
PTK
Upper Layer: 48.0°, 1.0s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

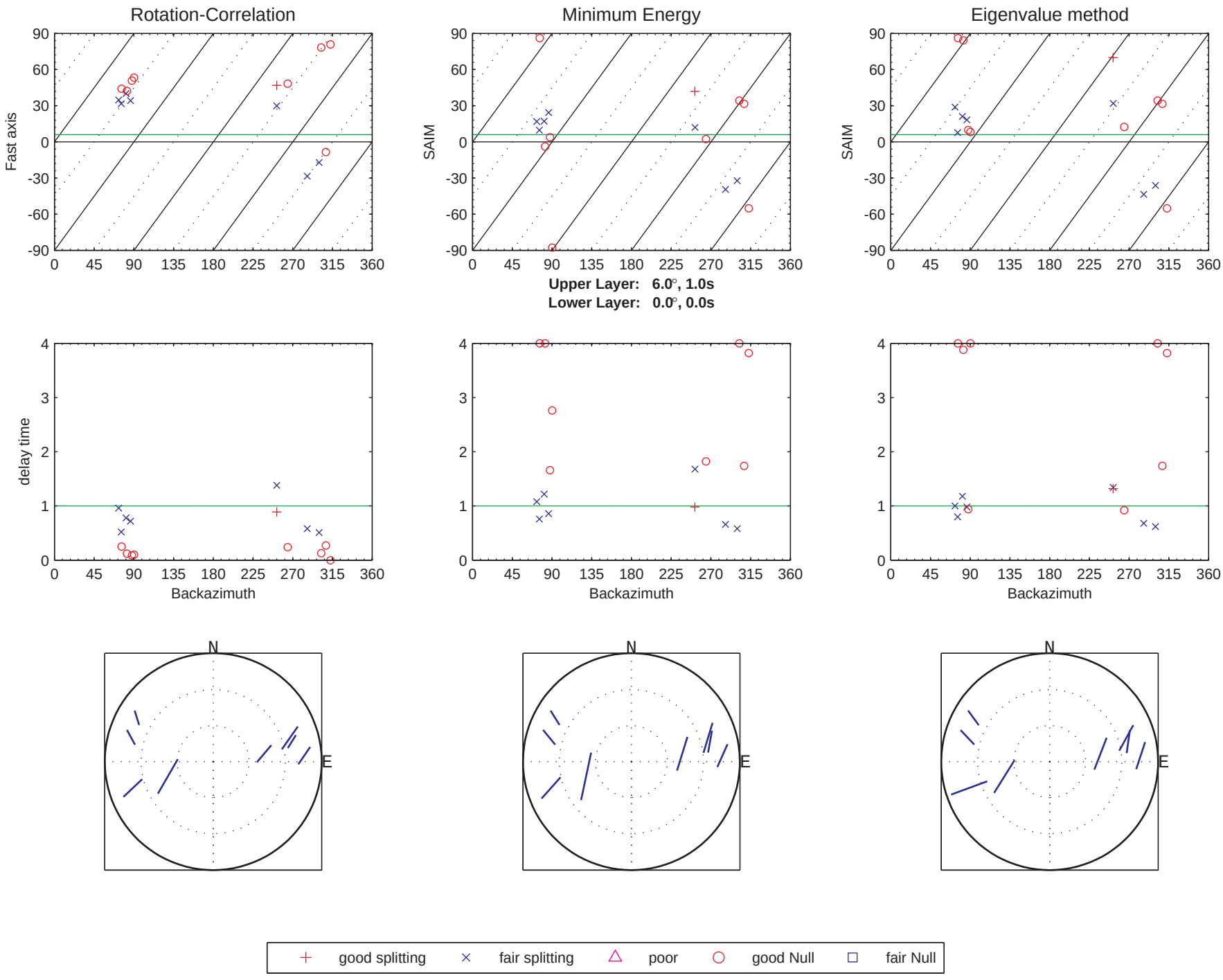
Upper Layer: 48Upper Layer: 1
Lower Layer: 0Lower Layer: 0



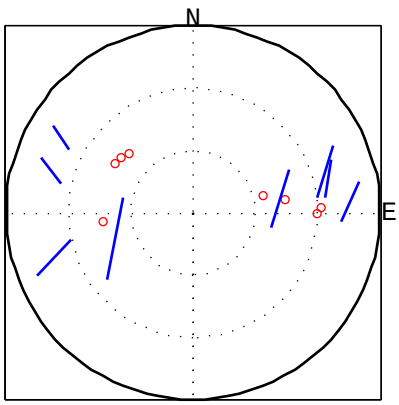
Minimum energy



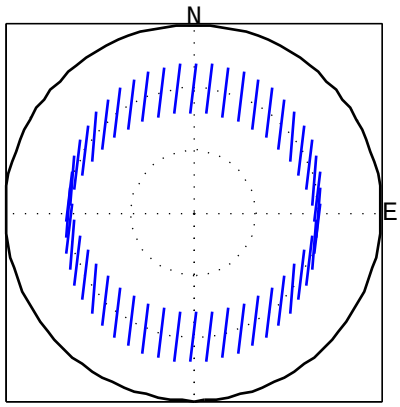
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
SAIM
SAIM
Upper Layer: 6.0°, 1.0s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

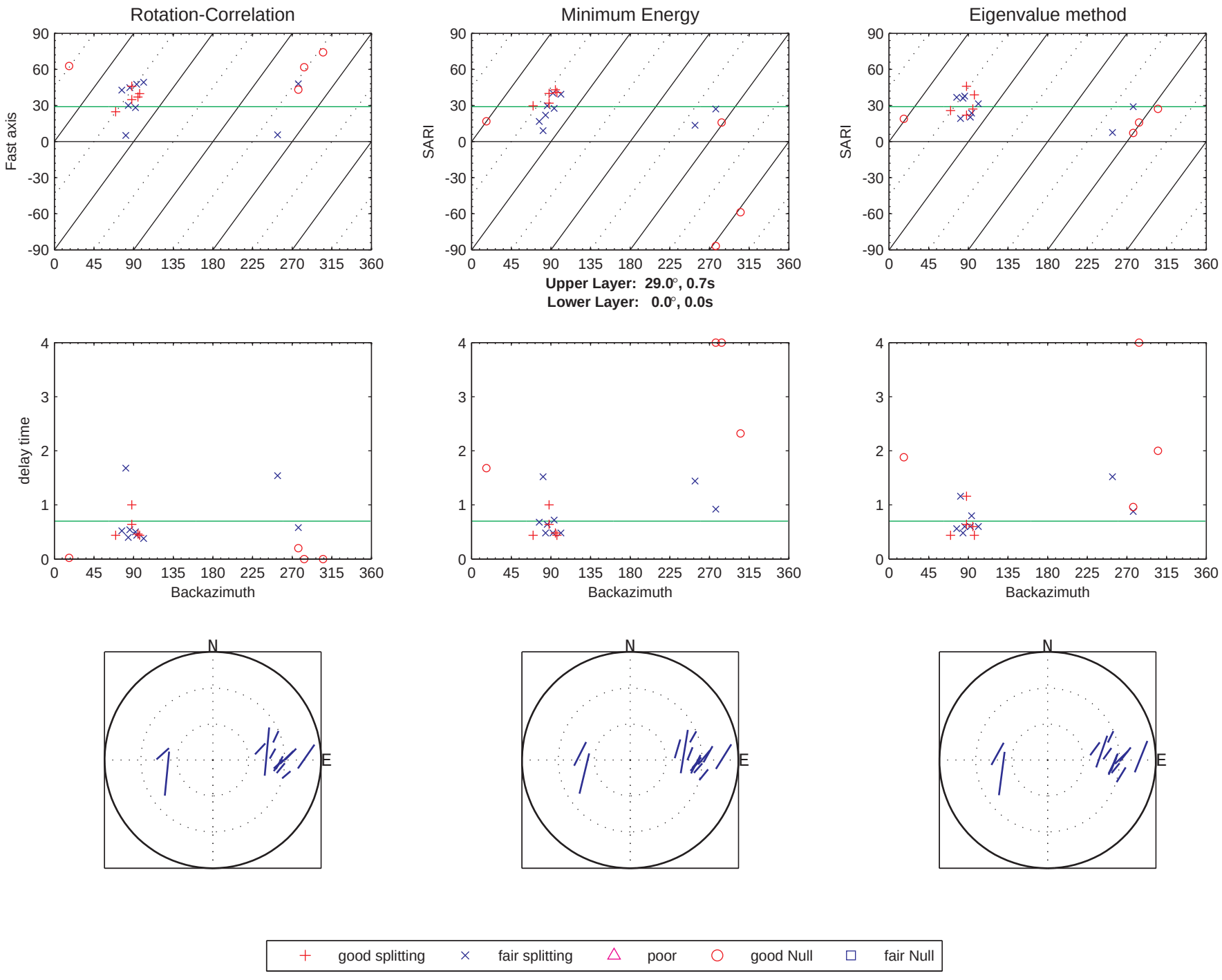
Upper Layer: 6Upper Layer: 1
Lower Layer: 0Lower Layer: 0



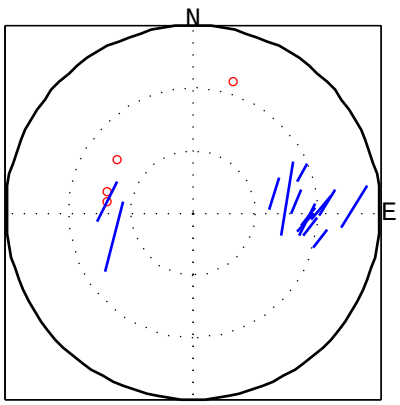
Minimum energy



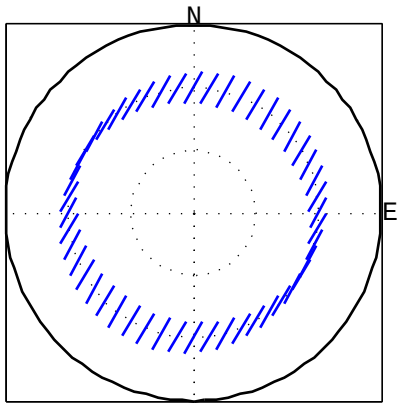
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
SARI
SARI
delay time
Backazimuth
Backazimuth
Backazimuth
Upper Layer: 29.0°, 0.7s
Lower Layer: 0.0°, 0.0s
N
E
good splitting
fair splitting
poor
good Null
fair Null

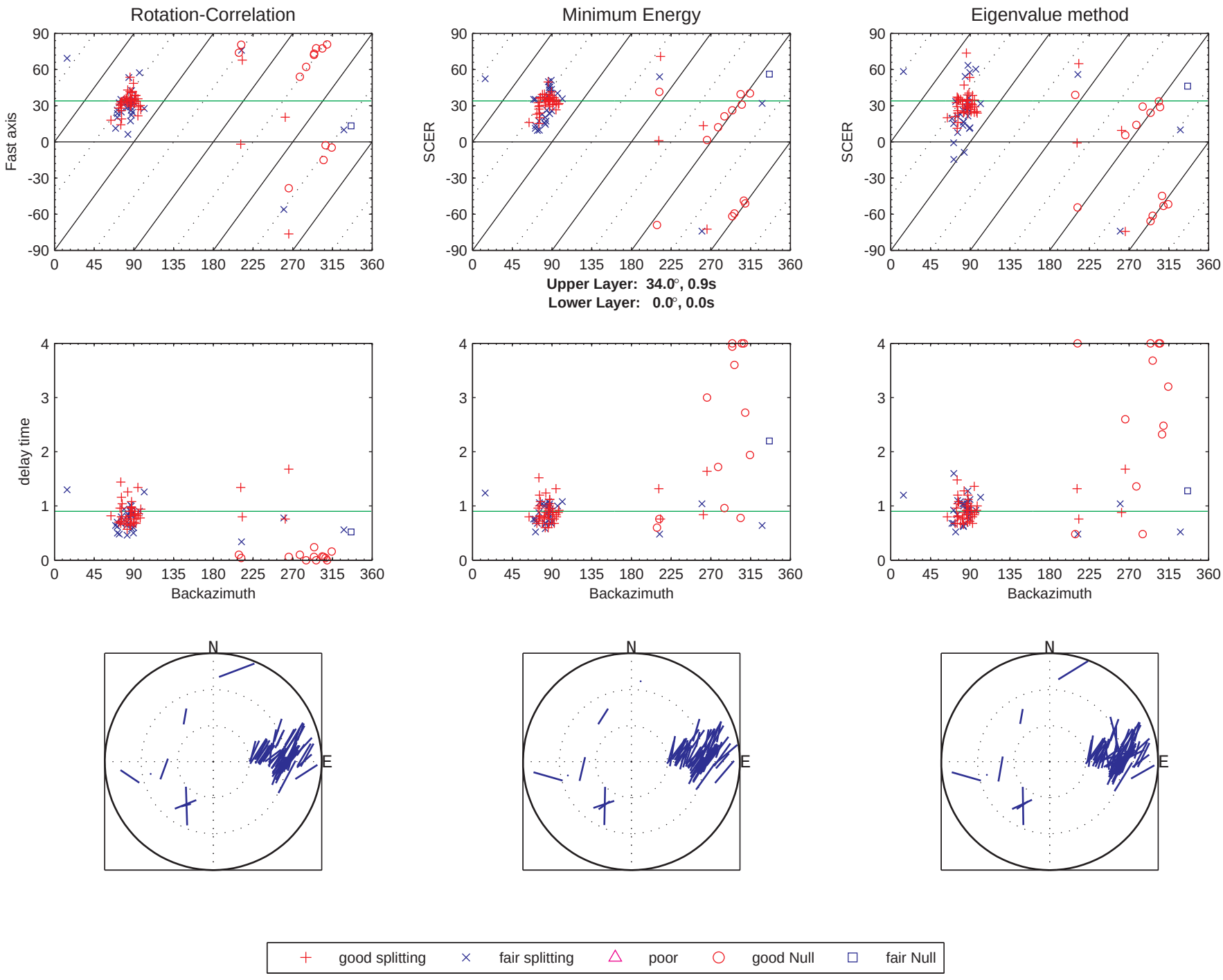
Upper Layer: 29Upper Layer: 1
Lower Layer: 0Lower Layer: 0



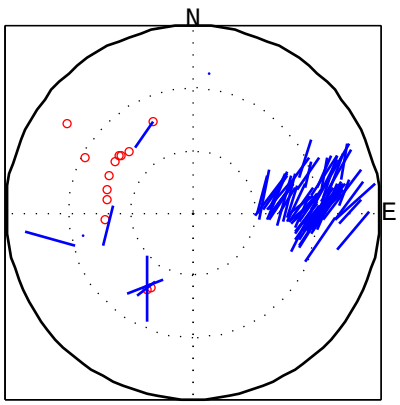
Minimum energy



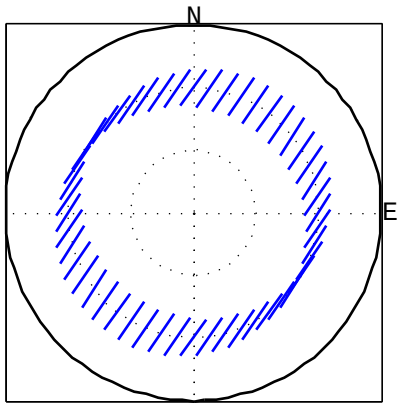
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
SCER
SCER
Upper Layer: 34.0°, 0.9s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

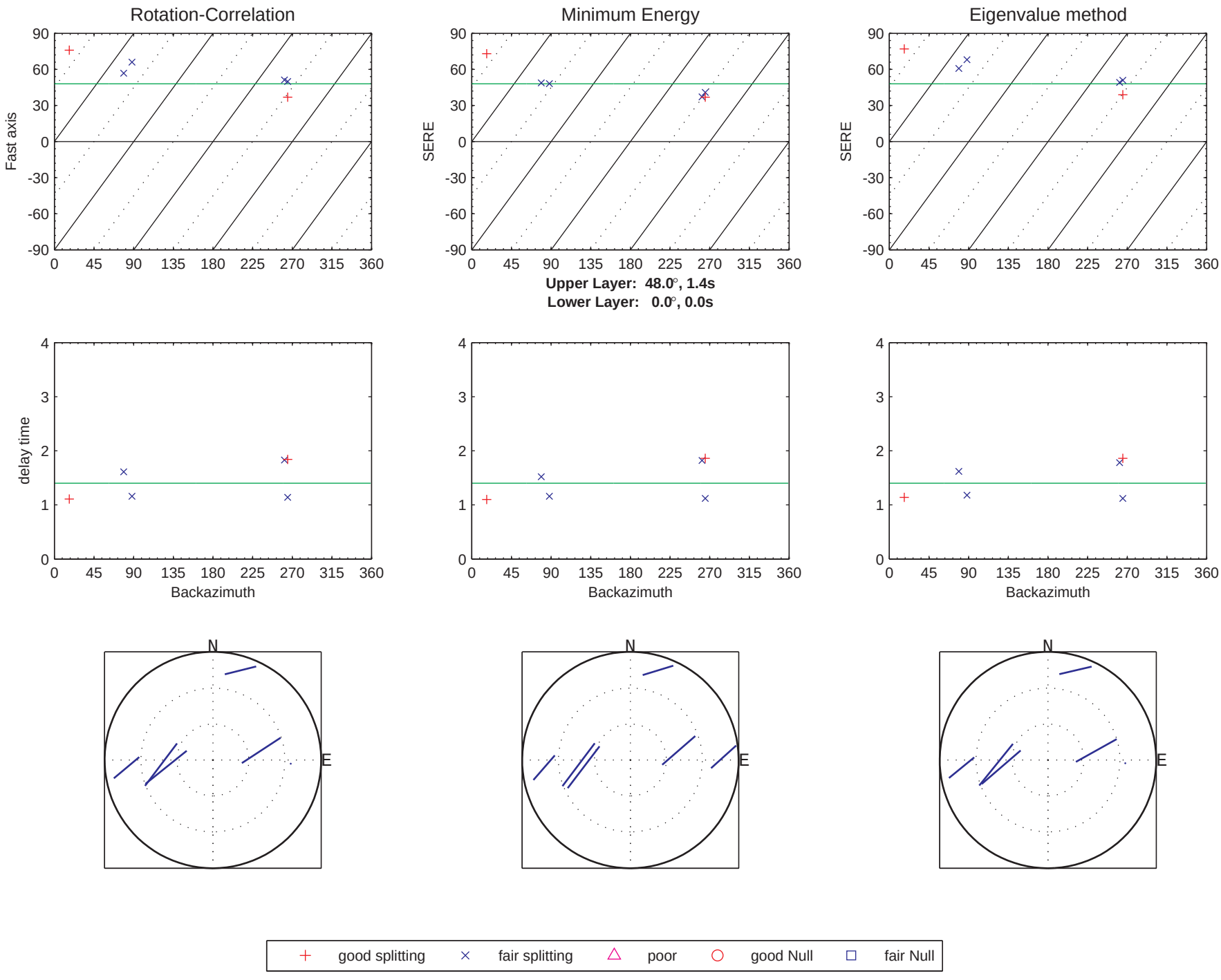
Upper Layer: 34Upper Layer: 1
Lower Layer: 0Lower Layer: 0



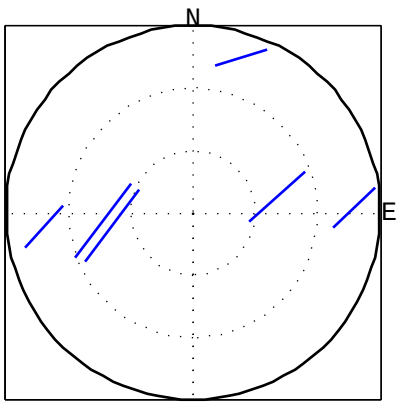
Minimum energy



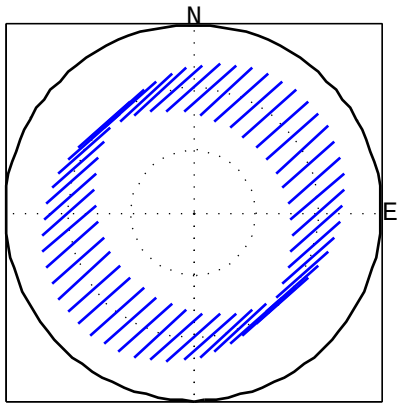
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
SERE
SERE
Upper Layer: 48.0°, 1.4s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

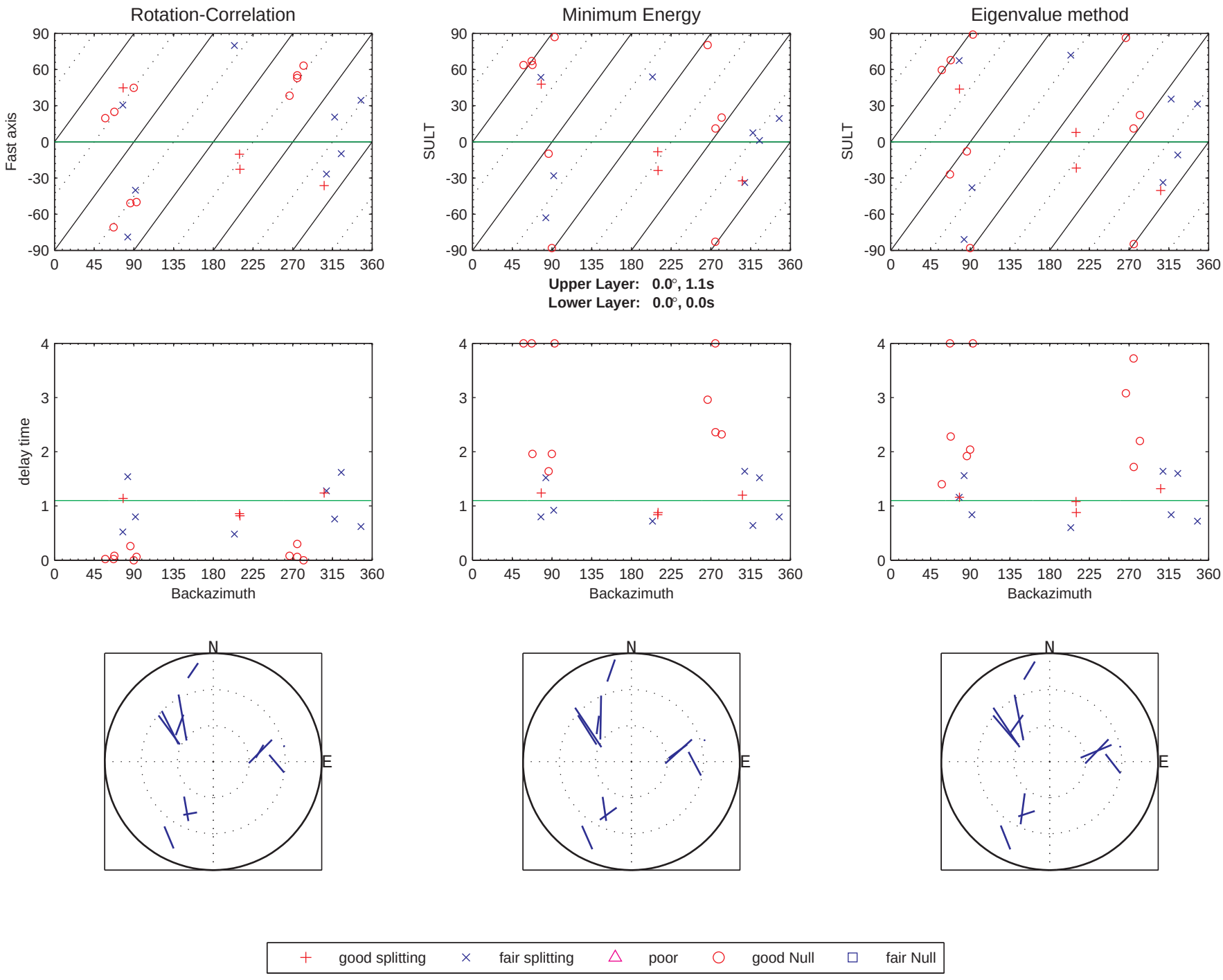
Upper Layer: 48Upper Layer: 1
Lower Layer: 0Lower Layer: 0



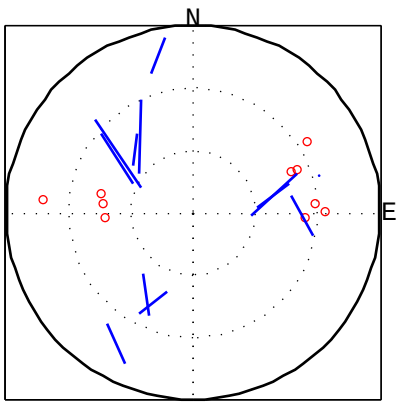
Minimum energy



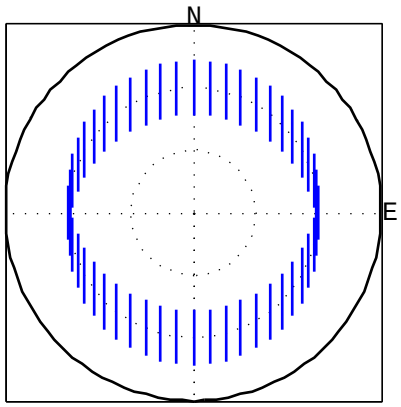
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
SULT
SULT
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
Upper Layer: 0.0°, 1.1s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

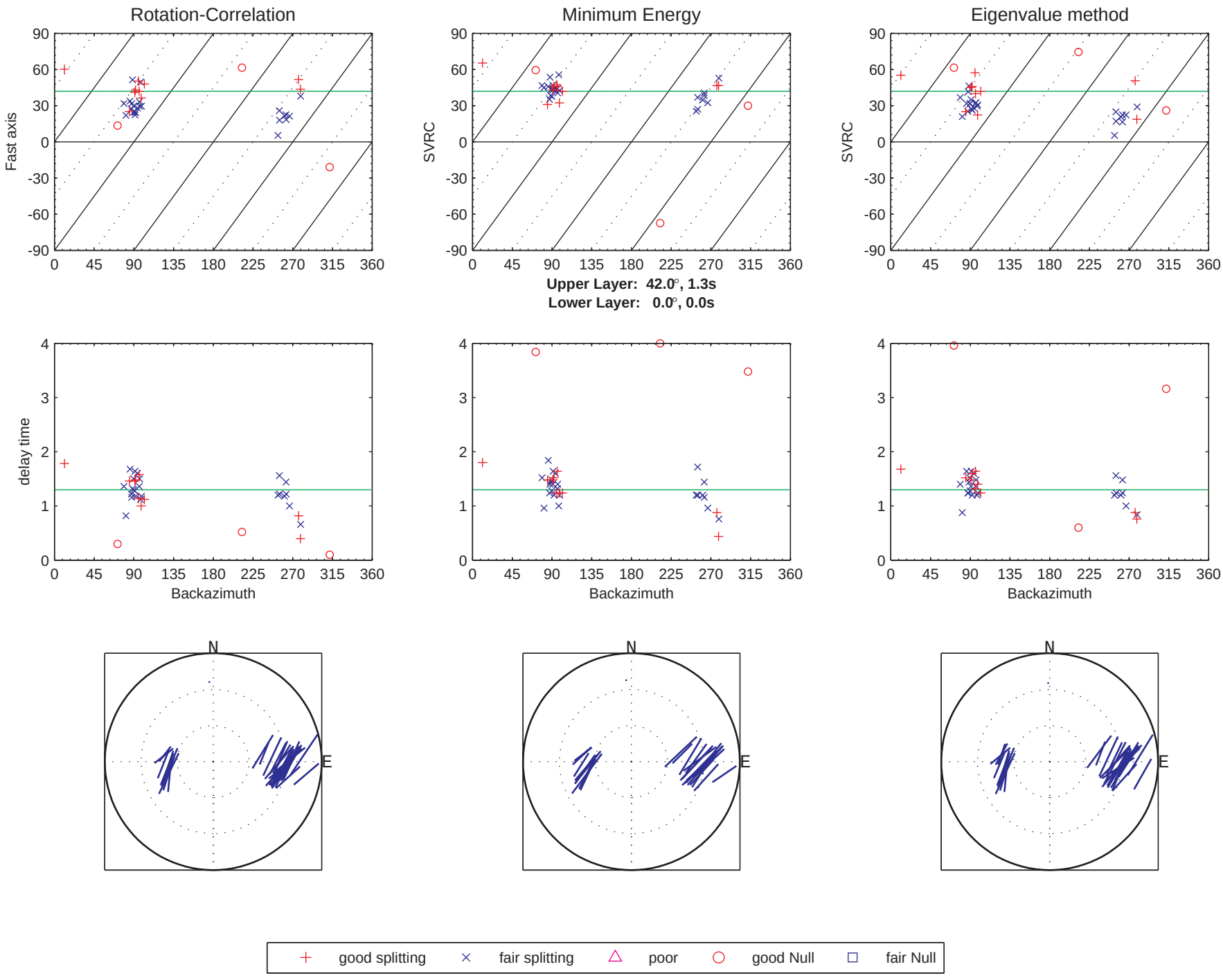
Upper Layer: 0Upper Layer: 1
Lower Layer: 0Lower Layer: 0



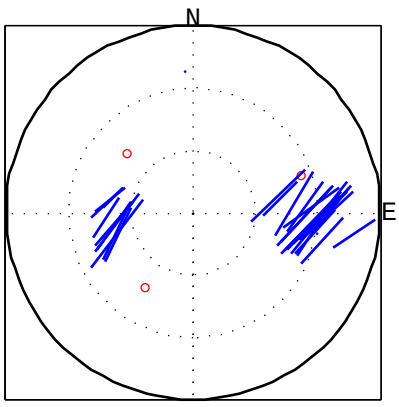
Minimum energy



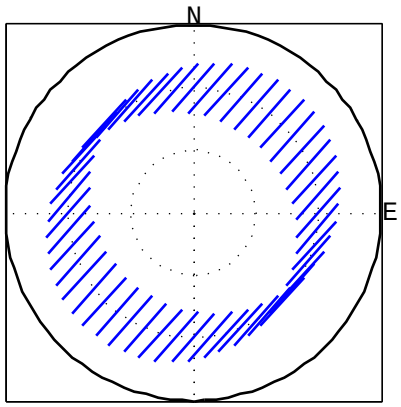
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
SVRC
SVRC
Upper Layer: 42.0°, 1.3s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

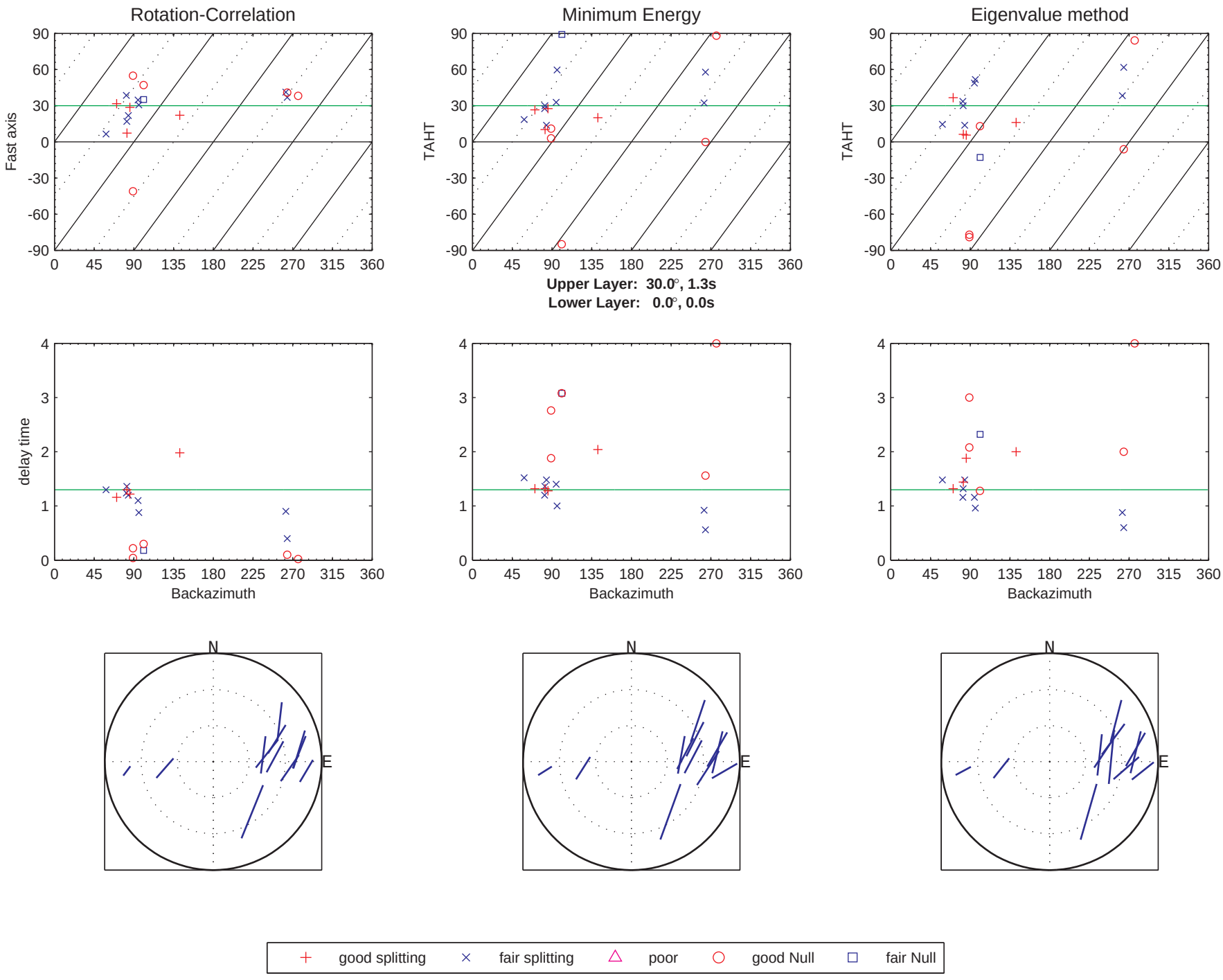
Upper Layer: 42Upper Layer: 1
Lower Layer: 0Lower Layer: 0



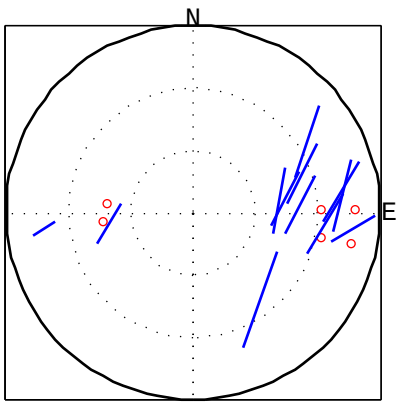
Minimum energy



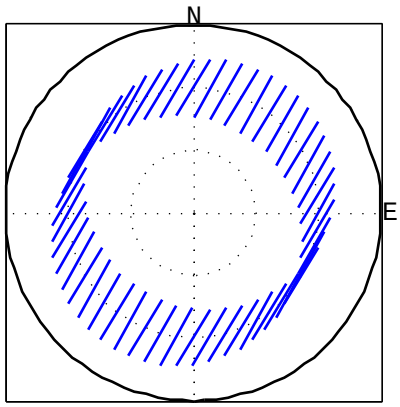
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
TAHT
TAHT
Upper Layer: 30.0°, 1.3s
Lower Layer: 0.0°, 0.0s
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
good splitting
fair splitting
poor
good Null
fair Null

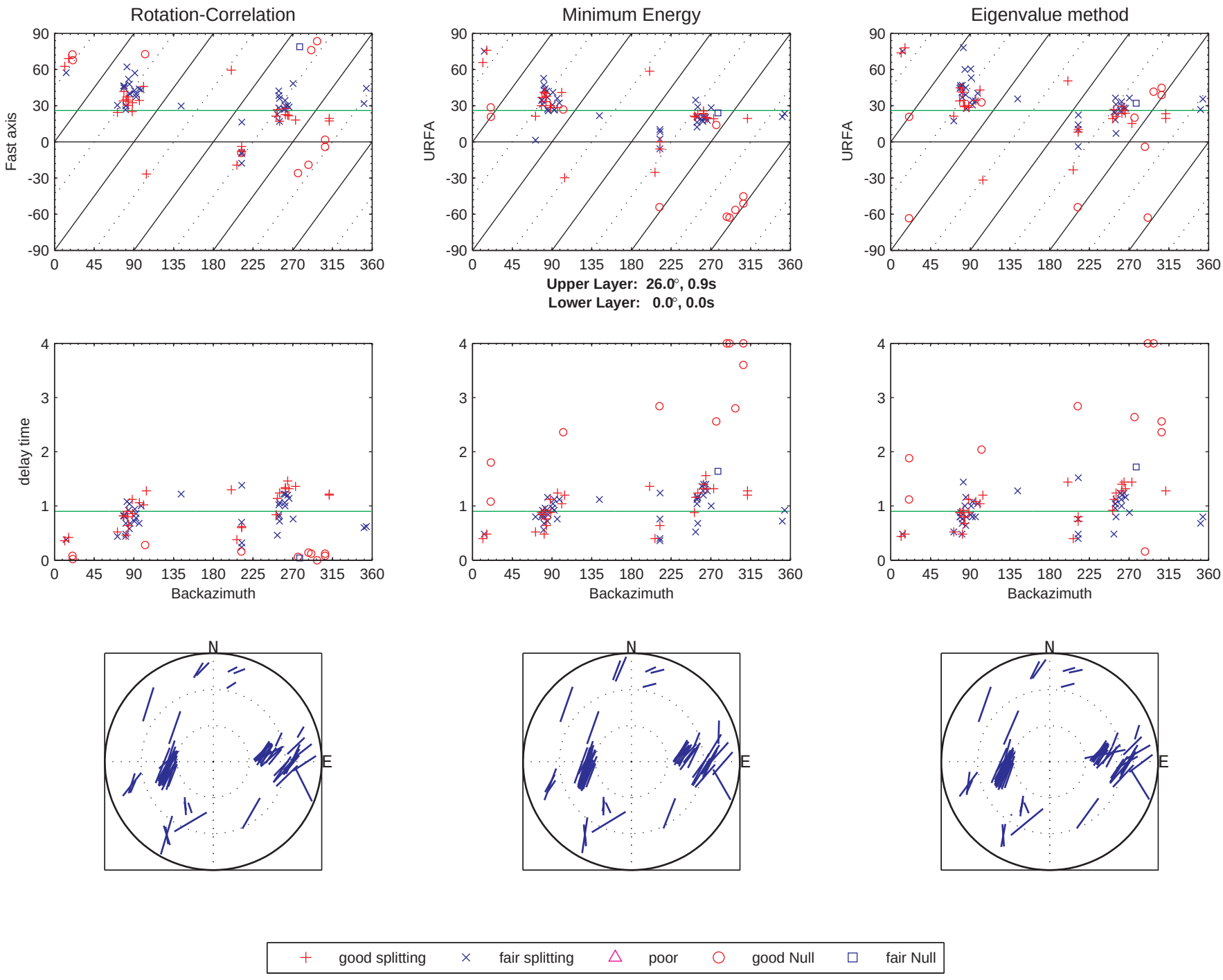
Upper Layer: 30Upper Layer: 1
Lower Layer: 0Lower Layer: 0



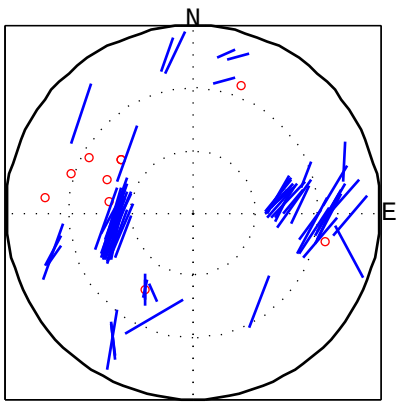
Minimum energy



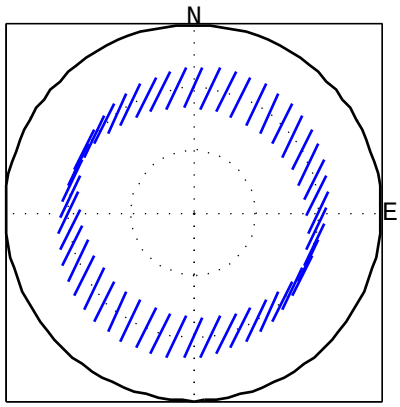
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
URFA
URFA
delay time
Backazimuth
Backazimuth
Backazimuth
Upper Layer: 26.0°, 0.9s
Lower Layer: 0.0°, 0.0s
N
E
N
E
N
E
good splitting
fair splitting
poor
good Null
fair Null

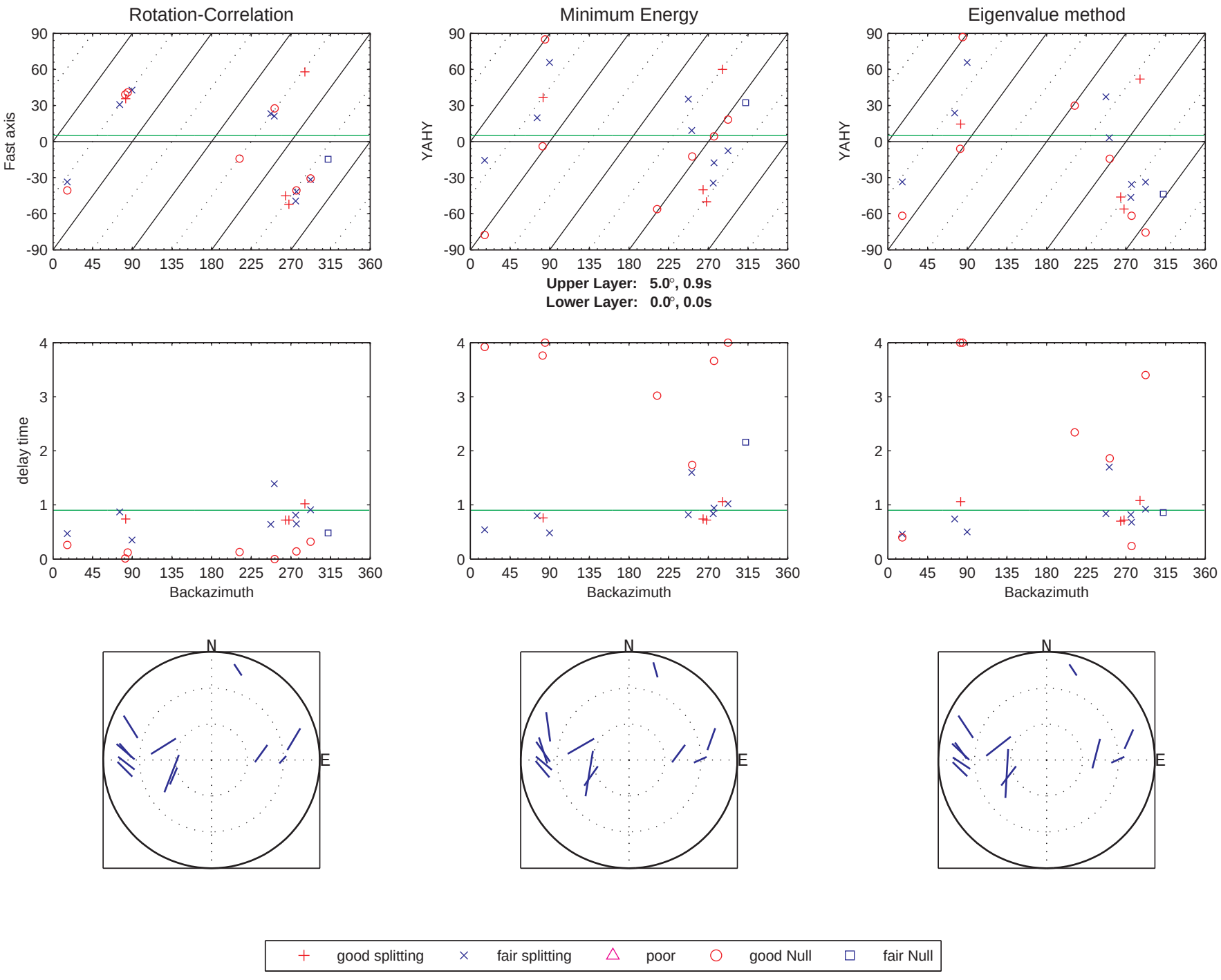
Upper Layer: 26Upper Layer: 1
Lower Layer: 0Lower Layer: 0



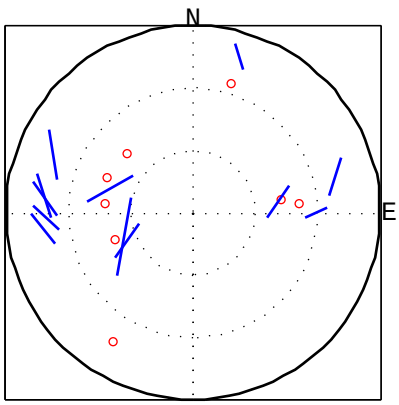
Minimum energy



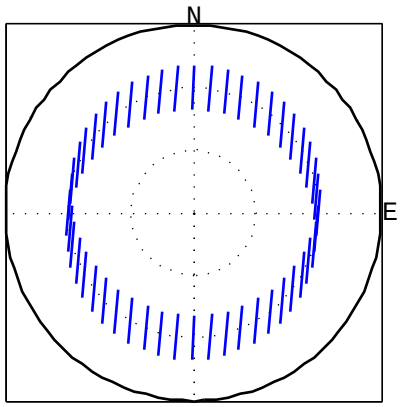
theoretic distribution


Rotation-Correlation
Minimum Energy
Eigenvalue method
Fast axis
YAHY
YAHY
delay time
Backazimuth
Backazimuth
Backazimuth
N
E
Upper Layer: 5.0°, 0.9s
Lower Layer: 0.0°, 0.0s
good splitting
fair splitting
poor
good Null
fair Null

Upper Layer: 5Upper Layer: 1
Lower Layer: 0Lower Layer: 0



Minimum energy



theoretic distribution