

Moment Tensor Solution

Centroid; Lat: 29.6401° N, Lon: 50.9043° E, Depth: 7.0 km, Time relative to the origin time (Sec): +3.8

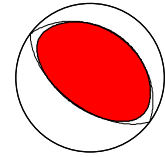
Mw: 5.2, Moment (N.m): 6.948e+016, DC%: 87.1, CLVD%: 12.9

Nodal Planes; strike: 126°, dip: 57°, rake: 90°

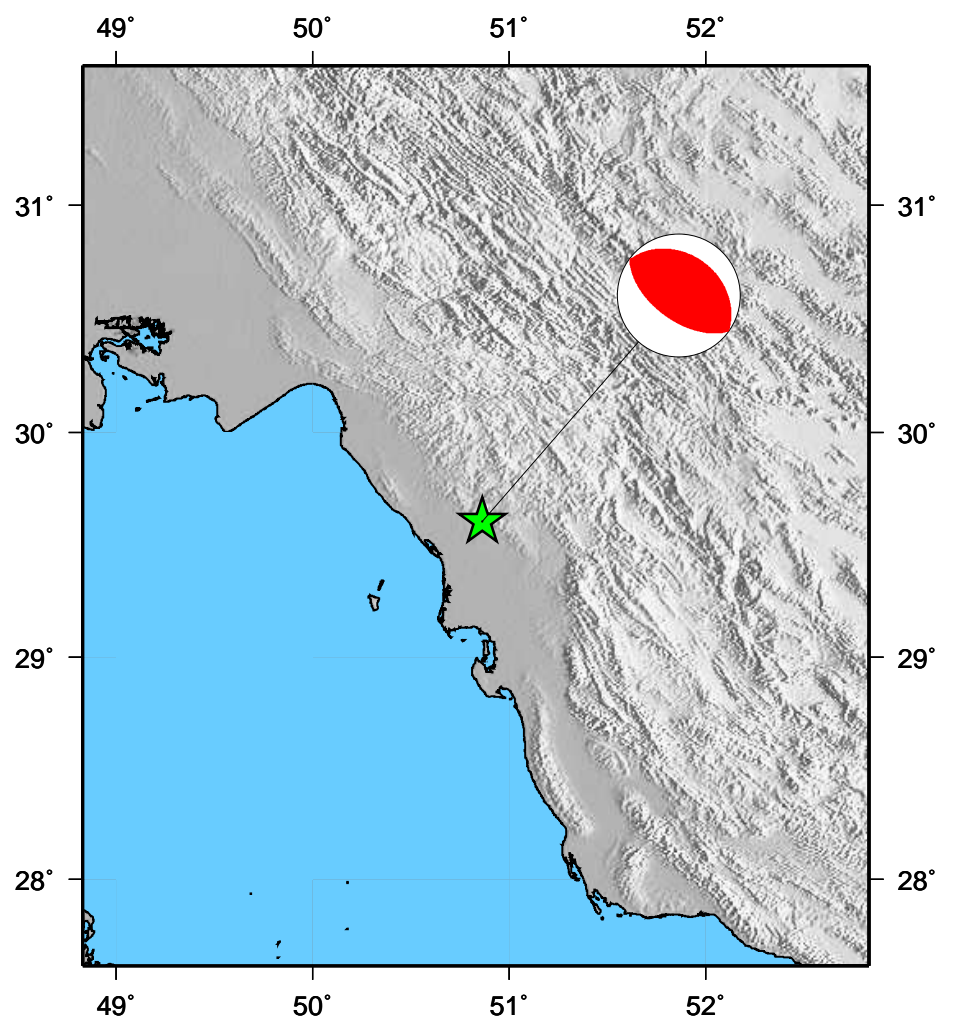
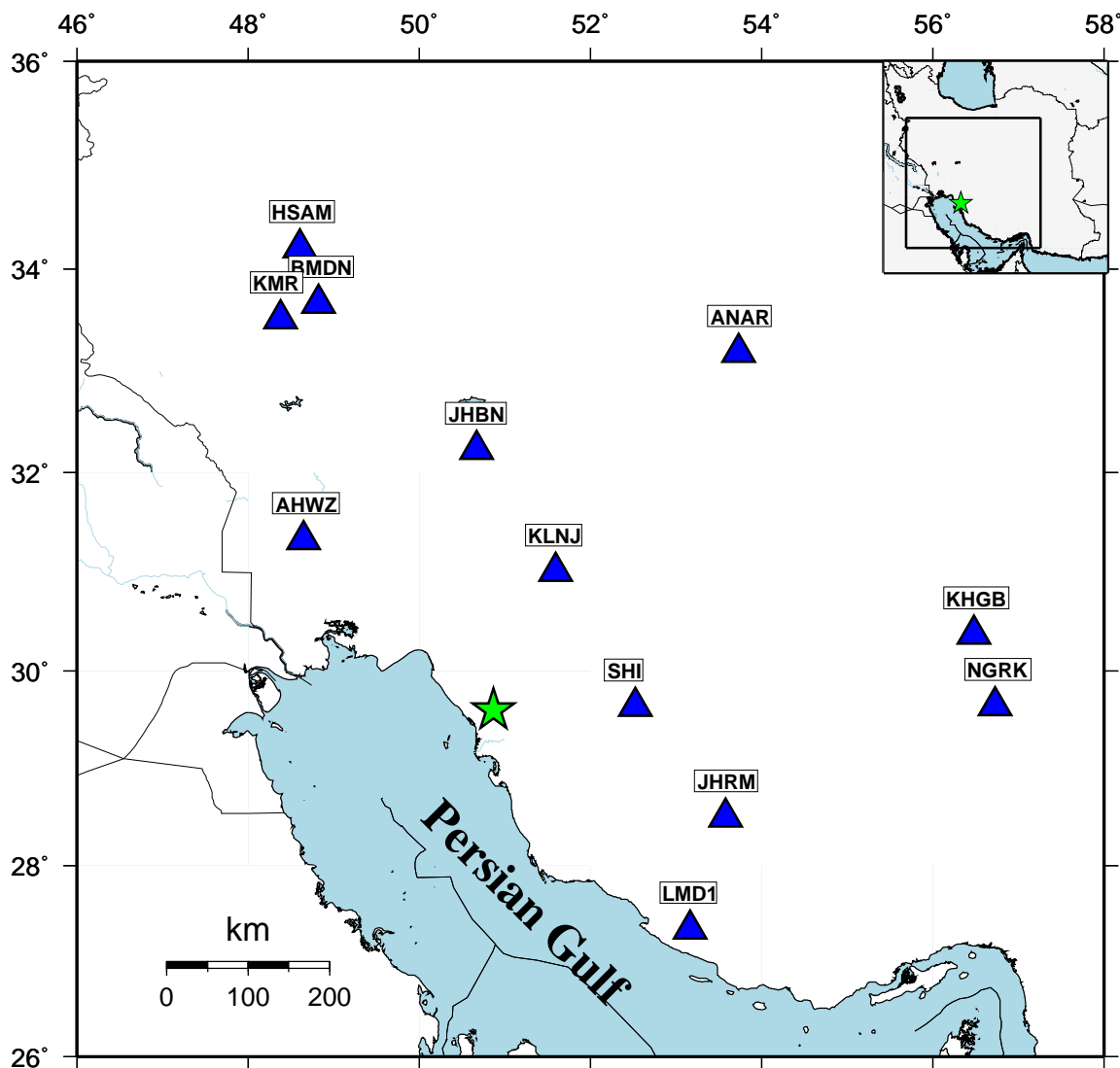
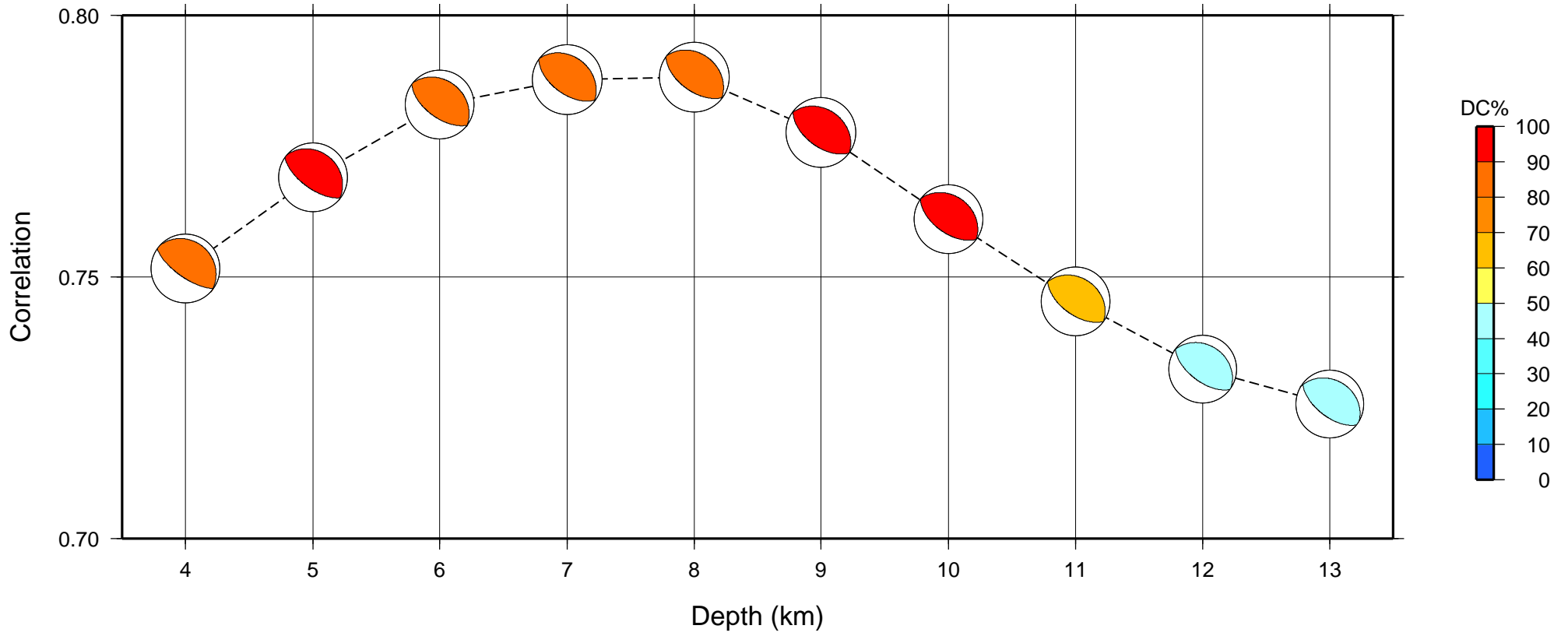
strike: 306°, dip: 33°, rake: 90°

P-axis; azimuth: 216°, plunge: 12° - T-axis; azimuth: 37°, plunge: 78°

Moment Tensor; Mrr: 6.551, Mtt: -4.115, Mpp: -2.436, Mrt: 2.292, Mrp: -1.707, Mtp: 2.687, Exponent (N.m):16



Correlation vs Depth



Inversion band (Hz) 0.02 0.03 0.06 0.07

Gray waveforms weren't used in inversion.

Black numbers are variance reduction.

Blue and Red numbers are maximum amplitude (m) of observed and synthetic displacements respectively.

Station	Band (Hz)	Observed Amp (m)	Synthetic Amp (m)	Variance Reduction
SHI	0.02	4.33E-005	3.74E-005	0.92
SHI	0.03	2.82E-005	1.92E-005	0.79
SHI	0.06	1.94E-005	2.04E-005	0.79
KLNJ	0.02	2.33E-005	2.38E-005	0.70
KLNJ	0.03	3.12E-005	2.64E-005	0.80
KLNJ	0.06	3.72E-005	2.72E-005	0.86
AHWZ	0.02	2.40E-005	1.09E-005	0.20
AHWZ	0.03	1.73E-005	3.82E-006	0.30
AHWZ	0.06	1.50E-005	4.72E-006	0.24
JHRM	0.02	9.98E-006	1.07E-005	0.40
JHRM	0.03	1.15E-005	1.17E-005	0.16
JHRM	0.06	6.79E-006	4.99E-006	-0.27
JHBN	0.02	2.17E-005	1.36E-005	0.84
JHBN	0.03	2.86E-005	2.94E-005	0.90
JHBN	0.06	1.52E-005	1.21E-005	0.77
LMD1	0.02	2.26E-005	9.39E-006	0.25
LMD1	0.03	1.62E-005	7.71E-006	0.45
LMD1	0.06	3.98E-006	4.57E-006	-1.07
ANAR	0.02	1.18E-005	8.77E-006	0.80
ANAR	0.03	3.03E-006	5.16E-006	-1.21
ANAR	0.06	1.48E-005	1.62E-005	0.76
BMDN	0.02	1.43E-005	9.52E-006	0.64
BMDN	0.03	1.74E-005	1.88E-005	0.63
BMDN	0.06	4.59E-006	7.07E-006	-0.46
KMR	0.02	1.30E-005	1.02E-005	0.64
KMR	0.03	1.54E-005	1.59E-005	0.18
KMR	0.06	2.78E-006	6.15E-006	-0.43
KHGB	0.02	1.89E-005	2.07E-005	0.73
KHGB	0.03	8.05E-006	8.90E-006	0.14
KHGB	0.06	8.23E-006	9.72E-006	-0.26
HSAM	0.02	1.27E-005	7.11E-006	0.61
HSAM	0.03	1.58E-005	1.79E-005	0.55
HSAM	0.06	3.32E-006	6.71E-006	-0.59
NGRK	0.02	1.68E-005	2.00E-005	0.89
NGRK	0.03	3.53E-006	5.72E-006	-0.94
NGRK	0.06	6.52E-006	7.88E-006	0.01