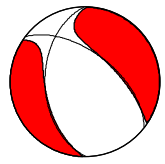
Hypocenter Location (IRSC); Origin Time: 20180321 12:33:10.50, Lat: 27.61° N, Lon: 56.74° E, Depth: 15.4 km

Institute of Geophysics
Iranian Seismological Center (IRSC)

Moment Tensor Solution

Centroid; Lat: 27.61° N, Lon: 56.74° E, Depth: 13 km, Time relative to the origin time (Sec): +2.56

Mw: 4.5, Moment (N.m): 6.770e+15, DC%: 76.9, CLVD%: 23.1, Variance Reduction: 0.67



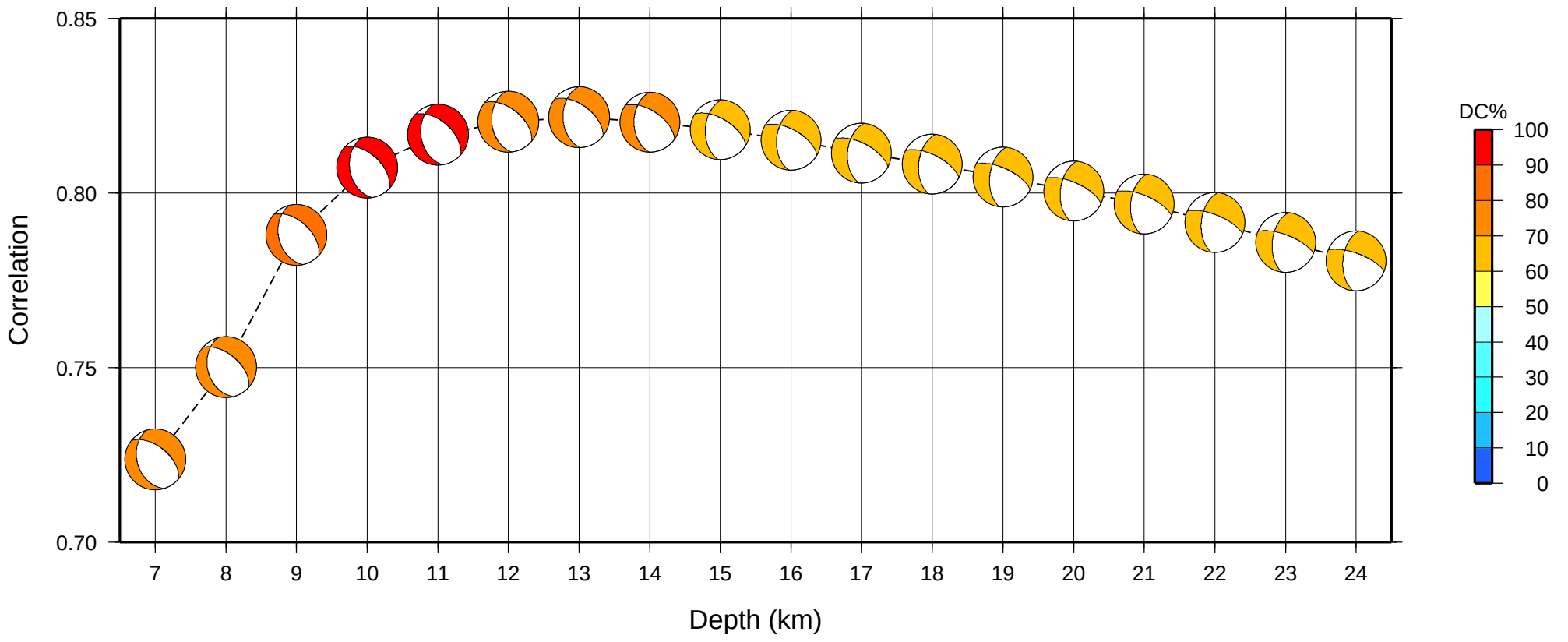
Nodal Planes; strike: 307°, dip: 58°, rake: -124°

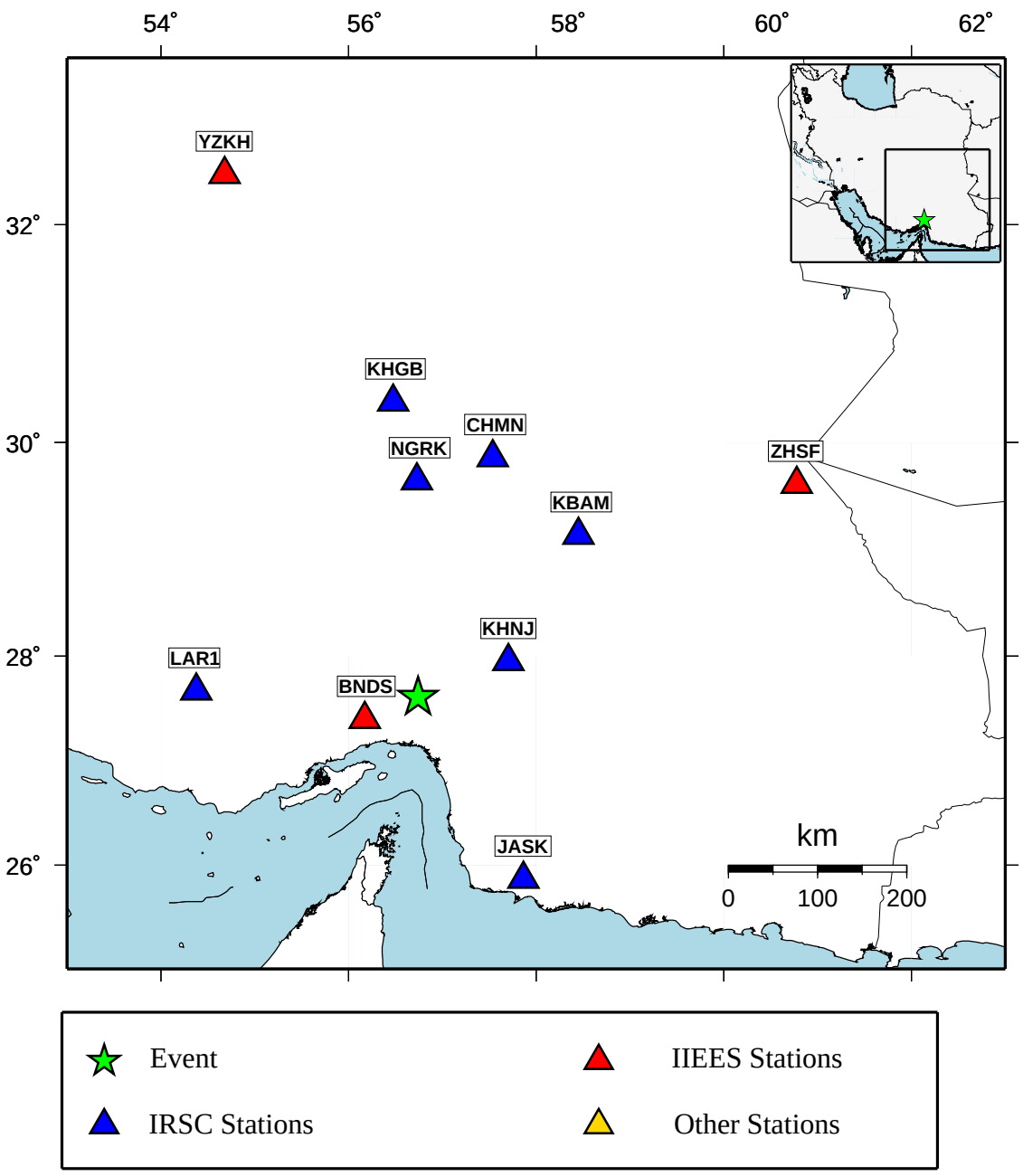
strike: 179°, dip: 46°, rake: -49°

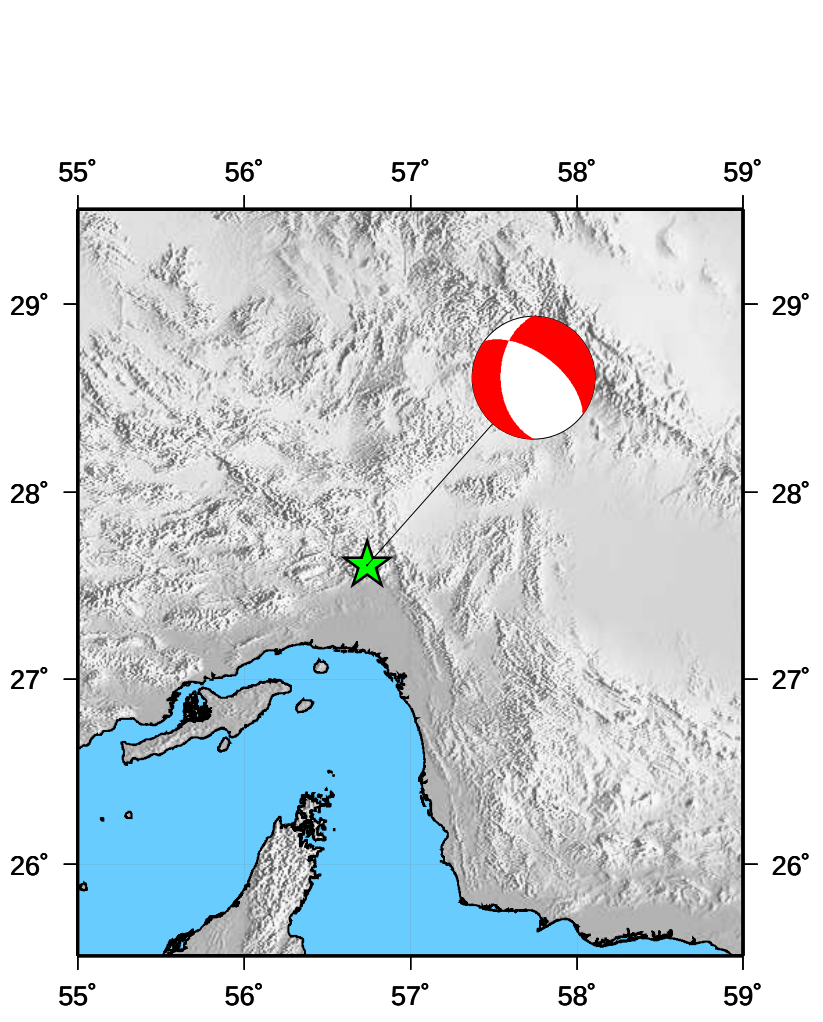
P-axis; azimuth: 163°, plunge: 61° - T-axis; azimuth: 61°, plunge: 7°

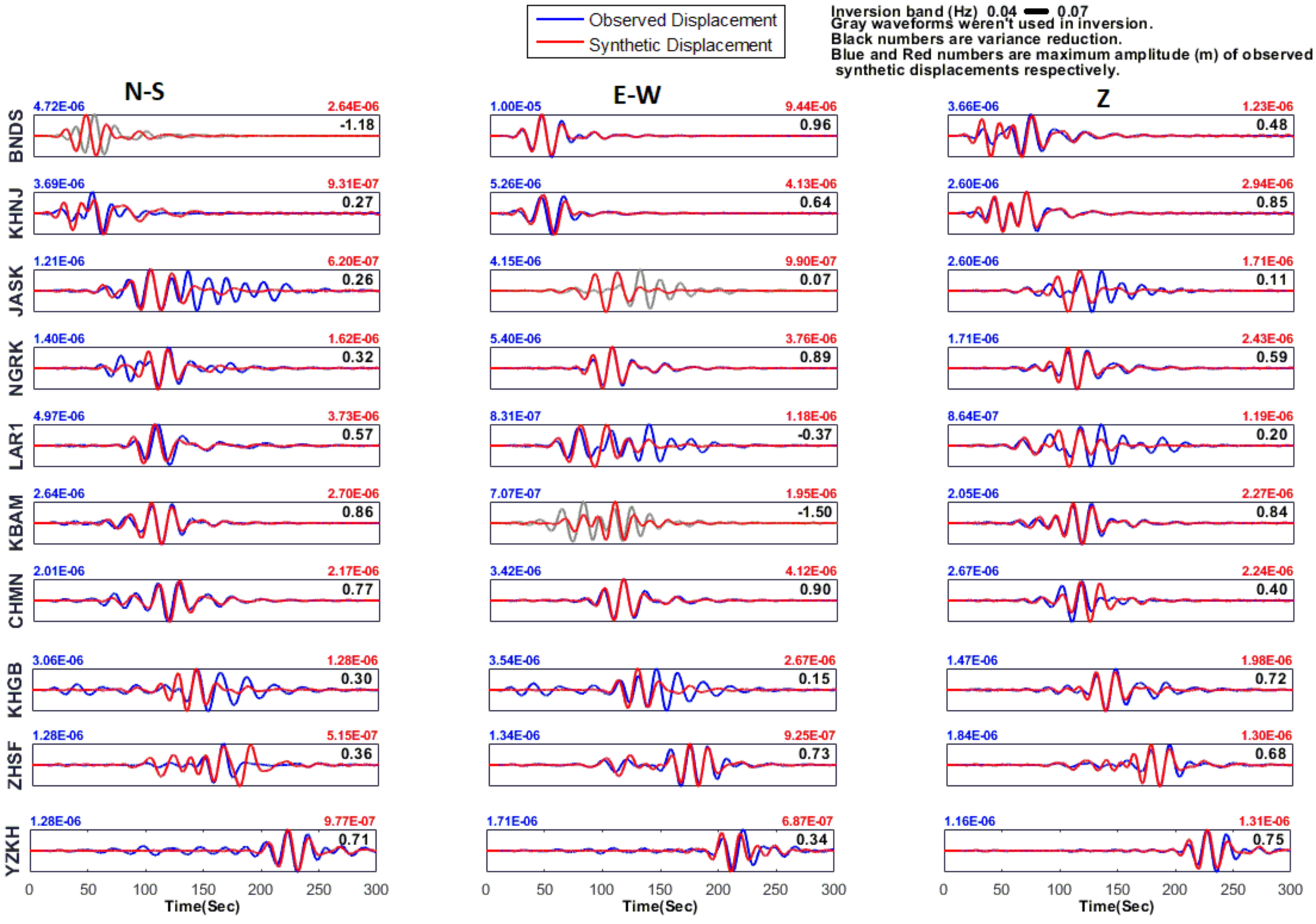
Moment Tensor (N.m) ; Mrr: -4.912 , Mtt: -0.156 , Mpp: 5.068 , Mrt: 2.679 , Mrp: -0.116 , Mtp: -3.704 , Exponent :15

Correlation vs Depth








Observed Displacement
Synthetic Displacement
Inversion band (Hz) 0.04 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.
N-S
E-W
Z
BNDS
KHNJ
JASK
NGRK
LAR1
KBAM
CHMN
KHGB
ZHSF
YZKH
4.72E-06 2.64E-06 -1.18
3.69E-06 9.31E-07 0.27
1.21E-06 6.20E-07 0.26
1.40E-06 1.62E-06 0.32
4.97E-06 3.73E-06 0.57
2.64E-06 2.70E-06 0.86
2.01E-06 2.17E-06 0.77
3.06E-06 1.28E-06 0.30
1.28E-06 5.15E-07 0.36
1.28E-06 9.77E-07 0.71
1.00E-05 9.44E-06 0.96
5.26E-06 4.13E-06 0.64
4.15E-06 9.90E-07 0.07
5.40E-06 3.76E-06 0.89
8.31E-07 1.18E-06 -0.37
7.07E-07 1.95E-06 -1.50
3.42E-06 4.12E-06 0.90
3.54E-06 2.67E-06 0.15
1.34E-06 9.25E-07 0.73
1.71E-06 6.87E-07 0.34
3.66E-06 1.23E-06 0.48
2.60E-06 2.94E-06 0.85
2.60E-06 1.71E-06 0.11
1.71E-06 2.43E-06 0.59
8.64E-07 1.19E-06 0.20
2.05E-06 2.27E-06 0.84
2.67E-06 2.24E-06 0.40
1.47E-06 1.98E-06 0.72
1.84E-06 1.30E-06 0.68
1.16E-06 1.31E-06 0.75
0 50 100 150 200 250 300
Time(Sec)