Hypocenter Location (IRSC); Origin Time: 20220912 23:37:04.00, Lat: 34.2° N, Lon: 56.73° E, Depth: 8 km

Moment Tensor Solution

Centroid; Lat: 34.2° N, Lon: 56.73° E, Depth: 9 km, Time relative to the origin time (Sec): +1.05
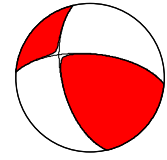
Mw: 4.5, Moment (N.m): 6.294e+15, DC%: 97.9, CLVD%: 2.1, Variance Reduction: 0.73

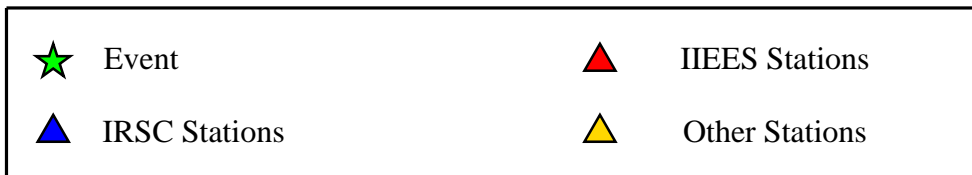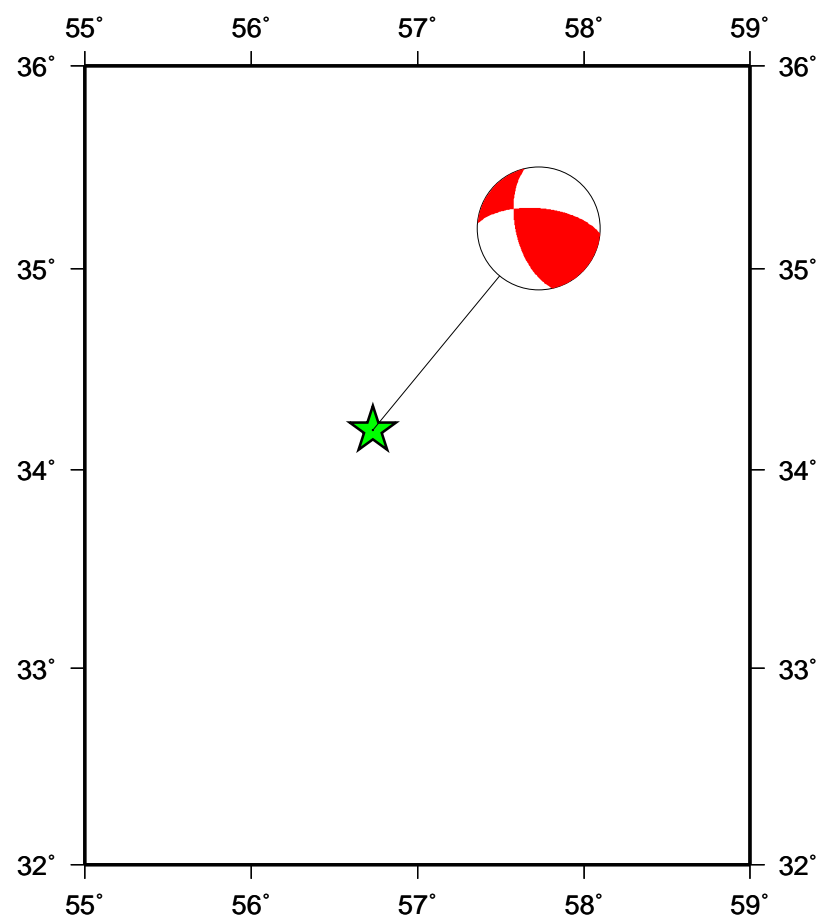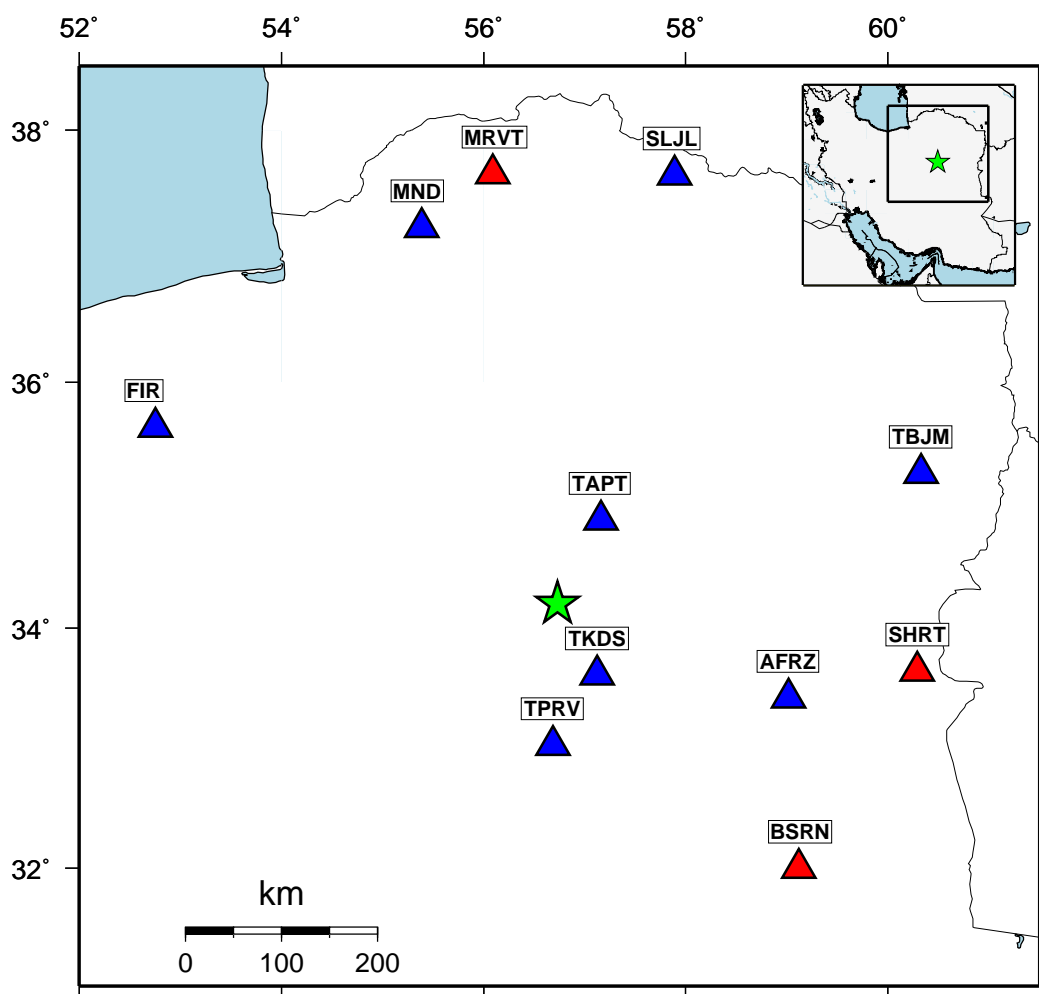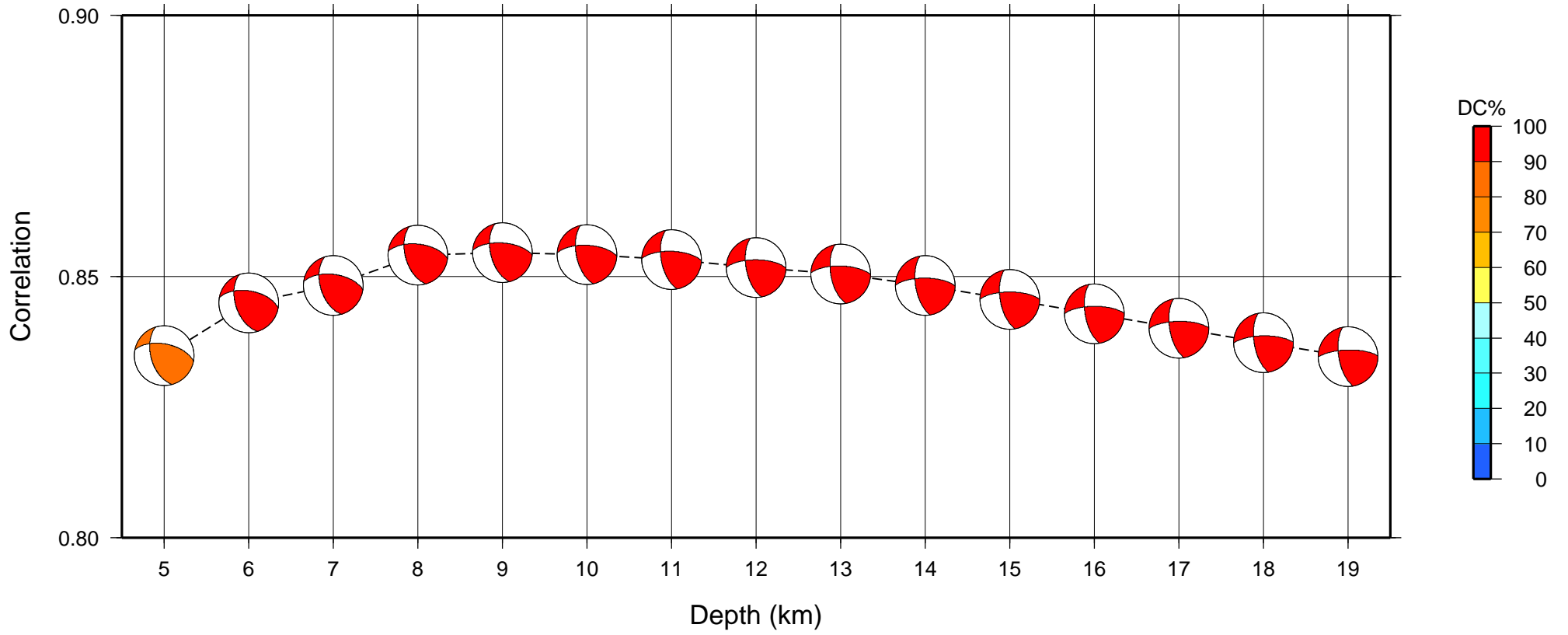Nodal Planes; strike: 167°, dip: 59°, rake: 148°

strike: 275°, dip: 63°, rake: 35°

P-axis; azimuth: 40°, plunge: 3° - T-axis; azimuth: 132°, plunge: 43°

Moment Tensor (N.m) ; Mrr: 2.895 , Mtt: -2.152 , Mpp: -0.743 , Mrt: -2.375 , Mrp: -2.168 , Mtp: 4.742 , Exponent :15

Correlation vs Depth

Inversion band (Hz) 0.04 0.04 0.07 0.08
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.