

Imaging scatterer distribution around aftershock area of the 2000 Western Tottori Earthquake based on seismic array observation

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Spatial distribution of scatterers in and around the focal area of the 2000 Western Tottori Earthquake has been estimated by using a dense seismic array data. Observed waveforms from vibrators and natural earthquakes were downward continued to the medium by semblance enhanced slant stacking. The spatial distribution of scatterers in the target area shows that relatively higher scattering strengths are distributed beneath the initiation point of the main shock rupture