

Source processes of high-frequency band inferred from seismic array analysis

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We estimate source processes in high-frequency bands using seismic array. The array analysis has an advantage that we can estimate rupture propagation without using synthetic waveforms such as waveform inversions. In order to confirm the performance of the method, we conducted simulation tests on synthetic data. The method proves useful for the analysis of rupture propagation. In particular, if we use several arrays, the resolution was greatly improved.