

Coseismic slip distribution of the 1946 Nankai earthquake by inversion of tsunami waveforms

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We estimate the coseismic slip distribution on the fault plane of the 1946 Nankai earthquake by inversion of tsunami waveforms. In the western half of the source region off Shikoku, large slip occurred near the deeper end of locked zone. The shallow region, where the current seismicity is low, had small coseismic slip, indicating a low seismic coupling ratio. In the eastern half off Kii Peninsula, large slip extended over the entire locked zone.