

Geometry and physical properties of mega-splay fault in the Nankai Trough

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We have analyzed 3D geometry of mega-splay fault in the Nankai Trough with reflection seismic data-set, and found that the fault surface is not flat but has a complex bended geometry. The surface also show local variety in the dip azimuth and angles, in the thickness distributions, and in the acoustic impedance distributions. These local varieties are harmonious to the local variety in the fault activity estimated from the slope sediment distributions on the ocean floor.

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