

Structure of the western Nankai seismogenic zone and ocean drilling

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Even though multidisciplinary geo-scientific studies are necessary to investigate the mechanism of the large thrust earthquake at the Nankai Trough, obtaining a structural image of the entire seismogenic zone, including subducting oceanic lithosphere and island arc crust, is fundamental to all other question. This paper presents results of seismic surveys conducted in the Nankai Trough. We also discuss a possible riser-hole reaching at the Nankai Seismogenic Zone on the basis of the seismic data.