

What control the up-dip limit of the Nankai seismogenic zone?

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3-D seismic studies on the Nankai seismogenic zone were successfully carried out in 1999 and 2000. Those studies clarify the structure of proposed seismogenic zone between the subducting Philippine Sea Plate and the overriding plate. Out-of-sequence thrusts are understood as significant structural boundaries on seismogenesis in the Nankai accretionary prism. Also geomagnetic structure of the Philippine Sea Plate suggests the significance of the subducting plate geometry and/or structure on the seismogenesis of Nankai subduction margin. The structure of subducting oceanic crust may be a key for the physical property change.