Seismicity around the updip limit of the seismogenic zone along the Nankai Trough off cape Muroto

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We deployed pop-up type ocean bottom seismographs to observe micro earthquakes along the Nankai trough off cape Muroto for 7 months in total from 1998 until 2000. We located earthquakes observed in 1998 using 3-D Vp and Vs structure models. These models are based on the airgun-OBSs seismic surveys performed around the observation area. Around the updip limit of the seismogenic zone, hypocenters are located near the boundary between accretionary sediments and subducting oceanic crust. On the other hand, earthquakes occurred in the oceanic layer 3 at the subducted seamount.