

## Seismicity around off-Torishima in Izu-Bonin Islands by ocean bottom seismographic observation

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Ocean bottom seismic observation was conducted around off-Torishima in Izu-Bonin Islands using 8 ocean bottom seismometers in July and August, 1999. During one month of observation, most of earthquakes occurred in a subducted slab, and depths of these earthquakes are larger than 30km. There are no earthquakes between 10km and 30km on the plate boundary. This result suggests no coupling on the plate boundary due to serpentine or water.