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## Seismicity at Suiyo Seamount on the Izu-Ogasawara (Bonin) volcanic front

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An ocean bottom seismographic (OBS) observation was carried out to investigate seismic activity related to the volcanic and/or hydrothermal activity beneath Suiyo Seamount on the Izu-Ogasawara (Bonin) volcanic front. We deployed ten OBSs in and around the caldera of Suiyo Seamount region and observed more than two months from Aug. 5 to Oct. 9, 2002. The seismic activity was characterized by dominance of earthquakes with S-P times of 1-2 sec. The preliminary result of hypocenter determination shows that these earthquakes are located at depths of around 10 km beneath Suiyo Seamount.