

Long-term ocean bottom seismographic observation in Nemuro-oki

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A large number of destructive earthquakes have frequently occurred along the subduction zone of the Japan trench. In this area, we have started a series of earthquake observation since 2004 using long-term ocean bottom seismographs (LTOBSs). In this meeting, we introduce the second observation in Nemuro-oki. In December 2005, we started the observation in Nemuro-oki using 18 LTOBSs and additional 12 LTOBSs were deployed in January 2006. In both deployments, helicopters were used. We retrieved 30 LTOBSs using a vessel in September 2006. The seismic surveys with controlled sources were also conducted to obtain a shallow part structure beneath LTOBSs in October 2005 using a vessel.

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