

Ocean bottom seismographic observation around the Miyakejima-Kozushima-Niijima Islands (2)

Azusa Nishizawa[1], Yasuo Otani[1], Tomozou Ono[1]

[1] Hydrographic Department

Active earthquake swarm had begun around the Miyakejima-Kozushima-Niijima Islands with volcanic activity of the Miyakejima Island on June 26, 2000. We, Hydrographic Department, carried out several geological and geophysical surveys to elucidate the present seismic and volcanic activity of this region since July 2000. The survey includes multi-beam swath bathymetry, sidescan imaging, single-channel seismic reflection and refraction profiling, microseismicity, magnetic and gravity measurements. In this paper, we report mainly hypocenter distribution in July 2000 and in Jan.-Feb. 2001, and results of seismic refraction survey.