

Development of Ocean Bottom Seismometer for Long Term Observation

Masashi Mochizuki [1], Toshihiko Kanazawa [2]

[1] ERI, Univ. of Tokyo, [2] ERI, Tokyo Univ

Long term accumulation of seismological data at ocean bottom is necessary to understand active processes occurring in the Earth. We have been developing a new ocean bottom seismometer (OBS) which fits to long term ocean bottom observation. It can be called as "new generation" OBS equipped with acoustic transponder which makes data transmission between an OBS and an onboard unit possible. We will introduce this ocean bottom seismometer and will present the results of its performance tests.