

Crustal structure around the Myojinsho on the Izu-Ogasawara(Bonin) arc

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An airgun and ocean bottom seismograph (OBS) experiment was carried out to investigate seismic wavespeed structure beneath the Myojinsho area, on the volcanic front of the Izu-Ogasawara(Bonin) arc. We deployed nine OBSs on and around the volcanic edifice of the Myojinsho region. P wavespeed structure models beneath the volcanic edifice, basement region with water depth of about 1,500m and transitions zone between them were estimated.