Deep seismic structure of the interplate seismogenic zone beneath the southern part of NE Japan arc(2)

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In the active interplate seismogenic zone of the southern Japan trench, it become clear from the observations of the OBS network and the land seismic network that the subducting oceanic crust and the mantle wedge are in contact. However, seismic velocity structure in the mantle wedge is not clear in detail, because of using only the first arrival data. A lot of PS conversion waves from the Moho are found in the data of the land seismic stations. Because the Moho discontinuity can be estimated by using the PS conversion waves, we can estimate the detail seismic velocity structure of the mantle wedge.