

Aftershock Observation of the 2000 Tottori-ken Seibu Earthquake by CDP array and Estimation of the Heterogeneous Crustal Structure

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To reveal the heterogeneity around the source area of the 2000 Tottori-ken Seibu Earthquake, we conducted the array observation as a part of the joint seismic observation. We deployed a 12-km-long highly dense seismic array (CDP array) along and across the main fault of the earthquake. We operated the array for 85 hours from 17:00 on Oct. 21, and we obtained quasi-continuous records of aftershocks. At the same time, JMA and DPRI were located about 1000 events from their seismic networks. About 500 events among them were recorded in our observation. We can recognize the reflected waves from the mid-crust.