

Fault-Zone Structure of the 2000 Tottori-ken Seibu Earthquake Estimated from the Observation of Fault-Zone Trapped Waves

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We observed fault-zone trapped waves at an fault outcrop close to the epicenter of the 2000 Tottori-ken Seibu earthquake. The evidence of fault-zone trapped waves suggest the fault outcrop extends down to the main fault plane of the 2000 Tottori-ken Seibu earthquake. These studies will be important to elucidate the deep structure of ruptured fault which did not appear on the ground surface. We will analyze the fault-zone structure, i.e., fault width, velocity contrast to the surrounding rock, and attenuation parameters.