

Results of continuous crustal strain observation in vicinity of Mozumi-sukenobe fault

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The Active Fault Research Group of the Earthquake Frontier Project (Ando, 2007) excavated a 480 m long tunnel across the Mozumi-sukenobe fault. Two major fault zones appeared across the tunnel (e.g. Tanaka et al, 2007). Two strain meters were installed on both sides of the fault zone (Ishii et al, 2007).

The observation as a Earthquake Frontier Project were ended in 2000. Tono Research Institute of Earthquake Science, ADEP has carried out continuous observation of strain since July 2006.

We will present the results of continuous strain observation.

Keywords: Ishii-type borehole strainmeter, in-situ stress measurements, continuous strain observation, Mozumi-Sukenobe fault, Observation in vicinity of active fault