

Atotsugawa-Mozumi fault system study

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A 480-m-long tunnel was excavated through the Mozumi fault in 1996 for the purpose of active fault research. The tunnel is horizontal with a diameter of 3m and an overlying depth of 300m, the first research tunnel excavated for the research purpose in Japan. This gives us many opportunities to investigate features and properties of the fault zone. Most faults zones exposed at the surface are deeply weathered, and cannot retain their original structures when they formed at depth. This program of active fault research also includes regional studies of seismological and geodetical subjects.