

Thermal anomaly around the Mozumi Fault, Atotsugawa Fault system, detected by the fission track method

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Thermal anomaly is detected by the FT method around the Mozumi Fault, one of the Atotsugawa Fault system. Thirteen samples were collected from the Tetori Group along the Active Fault Survey Tunnel, which runs across the fault, in the Kamioka Mine. One sample was collected also from the Tetori Group in the Mt. Tateyama area for comparison. The sample has long mean track length of 10.6 micron. On the other hand, all samples from the Kamioka Mine have short mean track lengths of ~9 microns, indicating that wide area around the Mozumi fault underwent heating up to the track length reduction temperature range.