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Comparison of logging data and fault rocks in Kawaue NIED borehole drilling near Atera fault, central Japan

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This study is comparison was made of logging data and fault rocks in boring core drilled by NIED (National Research Institute for Earth Science and Disaster Prevention) borehole drilling near Atera Fault. As a result, (1) very marked fractured zones and lithology boundaries is horizontal and low angle fault gouge near 122.60m and 279.50m, (2) neutron data and natural gamma ray data change to correspond to lithology boundaries, (3) density data and natural gamma ray data change to correspond to existence of fault rocks, P-wave velocity data changes to correspond to existence of deformation, (4) in comparison with all depth, relationship of logging data v.s. logging data in fractured zones shows characteristic trend influenced by both lithology and fault rocks.

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