

Seismic Reflection Survey across the Suwa Basin, Central Part of Itoigawa-Shizuoka Tectonic Line

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We carried out seismic reflection survey across the Suwa Basin.

We identified the flower structure in the volcanic sediment around the Okaya fault, and the normal fault was identified on the acoustic basement.

Around the Suwa Fault, we identified the sediment deformation and old volcanic intrusion rock. But we can't find the acoustic basement deformation by fault.

We carried out seismic reflection survey across the Suwa Basin. There is two major active fault in the margin of the Suwa Basin.

One is Okaya Fault, the other is Suwa Fault. Before this study, we did not have the deep structural data around these faults.

We identified the flower structure in the volcanic sediment around the Okaya fault, and the normal fault was identified on the acoustic basement. The fault is step down toward the Suwa Basin.

Around the Suwa Fault, we identified the sediment deformation and old volcanic intrusion rock. But we can't find the acoustic basement deformation.