Sb-P013 Room: Poster Time: June 8 17:30-19:30

Seismic reflection profiling across the southeastern Matsumoto basin active fault system.

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The Matsumoto Basin is located at the northern Fossa Magna. The surface deformation is complicated around the investigated area. But, they did not take it into account whether these complicated faults are linked each other under the surface. The purpose of this study is to clarify the relationship of the fault kinematics with seismic reflection method across these faults.

In results, the following points were clarified:

1.In the Gofukuji fault area, there are a purely left lateral strike-slip high-angle fault and a low-angle thrust fault in parallel with strike-slip fault. These two faults are separated caused by slip partitioning from Master fault at the depth of 1 km under the surface.

2.The Akagi Mountain is uplifted by the eastern Akagiyama fault, which are derived from the deeper detachment.