

Gravity structure around the Minou fault, Kurume city, Fukuoka prefecture.

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The Minou fault, which is active fault, runs through 25km from Kurume city and Ukiha city, central Kyushu, Southwest Japan. We carried out the gravity survey at 816 stations around the Minou fault, using Scintrex CG-3, CG-3M gravimeter in order to make clear the gravity structure around the fault. A density of 2.50g/cm^3 was used to yield the Bouguer anomaly map. We estimated a two dimensional basement rock structure from the Bouguer anomaly assuming two layer structure (Basement rock and sedimentary rock). As a result, the Minou fault extends down about 2000m depth.