

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



SGD022-P03

Room:Convention Hall

Time:May 23 10:30-13:00

Gravity measurement at segment boundary of Yamasaki fault zone

Makoto Ando^{1*}, Takanobu Kamataki¹, Kyozo Nozaki¹, Yutaka Mamada², Jun-ichi Uchida²

¹OYO Corp., ²JNES

A high dense gravity measurement composed of 336 points was carried out at segment boundary of Yamasaki fault zone, in order to reveal the depth distribution of basement. The measurement was conducted with two CG-3 type gravimeters.

The obtained distribution of gravity shows the negative anomalies ranging from 0.5 - 1.0 mGal parallel to Hijima and Yasutomi fault. On the other hand, there are no negative anomalies around western part of Kuresakatouge fault.

We assume that the negative anomalies are from distribution of fracture zone, from which it is deduced that Hijima and Yasutomi fault are connecting, and Kuresakatouge fault is independent fault.

Keywords: active fault, gravity measurement