

GGP-Japan Network and Satellite Gravity Missions

Tadahiro Sato[1], Yoichi Fukuda[2]

[1] NAO, [2] Geophysics, Kyoto Univ.

Satellite gravity missions such as CHAMP and GRACE may give us a revolutionary data to improve our knowledge of the spatial and temporal variations in the earth's gravity field. On the other hand, Japanese group is operating an international superconducting gravimeter network called GGP-Japan, which includes both polar regions and the equatorial region. However, two data respectively obtained on the ground and from the space have different characteristics in their spatial resolutions and temporal variations.

We discuss the problems on linking these two different kinds of gravity data.