

The Gravity Anomaly of the Kanto District

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Although two large gravity databases in Japan, the Gravity CD-ROM of Japan published by the Geological Survey of Japan (2000) and the Gravity Database of Southwest Japan published by the Gravity Research Group in Southwest Japan (2001), have been successively issued, there had been poor station coverage in some areas. Especially in the Kanto district, most gravity data might have not been opened for the public use. Therefore, the completion of the gravity database of the Kanto district is urgently needed not only for the subsurface structure analysis of the metropolitan area, but also for the gravity study over the whole Japanese Islands with a uniform gravity station density.

In order to fill up the blank area of gravity data in the Kanto district, we conducted an extensive gravity survey in this area. We also recompiled the pre-existing data measured by the National Research Institute for Earth Science and Disaster Prevention (NIED) and the Geographical Survey Institute (GSI). We will present detailed gravity anomaly maps in and around the metropolitan area by using our newest gravity database.