

## Airborne Gravity Measurements conducted between 2000 and 2002—New arrangement, improvement and construction of Data Bases

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No airborne gravity measurement has ever been conducted in Japan till 1990s' except for the balloon measurement using the LaCoste meter at its beginning. In the meantime, in 1998, we developed a new airborne gravimeter to be on board a helicopter and the technique was enhanced enough to be used for practical measurement in 2000. From 2000 to 2002 the gravimeter was mostly used for academic works by ourselves to make researches at tectonically active zones in Japan. The researches counted 6 times.

Since the data obtained by the researches were used for domestic purposes they were not arranged so that they were available to outsiders.

Now we face the situations that the airborne gravity measurements are needed strongly by various industries and research institutes, the mission being more important year by year. So, since last year, we have been arranging the data so that they are standardized and available to others.

The data concerned with this work:

- 1) Gravity anomalies over the Ibaraki pref. and the Kashima-nada sea, obtained in April 2000.
- 2) Gravity anomalies over the Suruga Bay obtained July 2000.
- 3) Gravity anomalies over the Enshu-nada sea obtained Nov. 2000 and Oct. 2001.
- 4) Gravity anomalies over the area from the Kozu-shima Is. to the Miyake-shima Is. obtained December 2001.
- 5) Gravity anomalies over the Enshu-nada sea revisited obtained July 2002.