

Microgravity, absolute gravity survey and continuous GPS measurement in the vicinity of Erimo, Hokkaido

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We have conducted the precise gravity and continuous GPS survey in the vicinity of Erimo, Hokkaido. The measurements were made at ten sites, where two of our continuous GPS stations, two GEONET stations and six temporal sites on triangulation points from October 30 to November 1, 2000. Although we have also planned the absolute gravity measurement at the Erimo Geophysical Observatory, the eruptions of Mt. Usu and Mt. Miyake Jima prevented the chance. Since the study area is of great tectonical interest, we are planning all the repeated surveys in this year. Our continuous and parallel measurement of gravity and crustal deformation by GPS would provide the insight into the dynamic tectonic activity in this area.