## K0-P004

## GPS and Gravity Surveys in the SEAL Project, JARE 41st.

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http://www.earth.aichi-edu.ac.jp/geophys/geophys.html

"Structure and Evolution of the East Antarctic Lithosphere (SEAL)" project have been caring out in a framework of the Japanese Antarctic Research Expedition in recent few years.

The gravity measurements with a SCINTREX CG-3M gravity meter and the GPS measurements with a Ground Surveyer were conducted on the Mizuho Plateau along the traverse routes S 16 to Z20 by the 41st Japanese Antarctic Research Expedition (JARE-41) in 2000. Free-air and simple Bouguer gravity anomalies based on gravity disturbance along the traverse routes were obtained by use of both data of surface elevation from GPS positioning and of the bedrock elevation from radio-echo sounding.