

A BOUGUER GRAVITY ANOMALY MAP IN CENTRAL JAPAN BY GRAVITY RESEARCH GROUP IN SOUTHWEST JAPAN

Following 23 organizations participated to the research group: 1) School of Science, Nagoya University¹, 2) Faculty of Science, Hokkaido University², 3) Geophysics Department, Geological Survey of Japan³, 4) Geological Information Center, Geological Survey of Japan⁴, 5) Geodetic Department, Geographical Survey Institute, 6) Metal Mining Agency of Japan, 7) Faculty of Science, Kyoto University, 8) Disaster Prevention Research Institute, Kyoto University, 9) Faculty of Science, Tohoku University, 10) Earthquake Research Institute, the University of Tokyo, 11) Ocean Research Institute, the University of Tokyo, 12) Hot Spring Research Institute, Kanagawa Prefecture, 13) Faculty of Science, Shizuoka University, 14) Faculty of Liberal Arts, Shizuoka University, 15) Faculty of Science, Kochi University, 16) Faculty of Education, Gifu University, 17) Faculty of Science, Shimane University, 18) Faculty of Science, Hirotsuki University, 19) Mining College, Akita University, 20) Association for the Geological Collaboration in Japan, 21) Meteorological Research Institute, Japan Meteorological Agency, 22) the Chubu Works of Power Reactor Nuclear Fuel Development Corporation, and 23) Oyo Corporation. (Representatives: Ryuchi SHICHI¹, Akihiko YAMAMOTO², Masao KOMAZAWA³, Toshio HIROSHIMA³, Yasuaki MURATA⁴, Harufumi NORO⁴)

Additional remarks:

- (1) Gravity values are referred to the Japan Gravity Standardization Net 1975 (JGSN 75).
- (2) Detailed description of the data is given by Shichi and Yamamoto (1994).
- (3) The cubic B-spline surface (Inoue, 1986) was used to make grid data from the gravity data.
- (4) Assumed Bouguer density of 2.67 g/cm³ was used for the Bouguer and terrain corrections.
- (5) The small circles show the locations of observations.
- (6) Contour interval is 0.5 mGal. Red and blue contour lines show positive and negative Bouguer anomalies, respectively.

Organizations provided the gravity data are 1:Nagoya University, 2:Hokkaido University, 3:Geological Survey of Japan, 4:Metal Mining Agency of Japan, 5:Geographical Survey Institute, 6:Kyoto University, 7:Shizuoka University, 8:Gifu University, 9:Kochi University, 10:Shimane University, 11:Association for the Geological Collaboration in Japan, 12:Earthquake Research Institute, the University of Tokyo, 13:Osaka Research Institute, the University of Tokyo, 14:Hot Spring Research Institute (Kanagawa Prefecture), 15:Edam University, 16:Tohoku University, 17:Hirotsuki University, 18:Akita University, 19:Meteorological Research Institute, Japan Meteorological Agency, 20:the Chubu Works of Power Reactor Nuclear Fuel Development Corporation, and 21:Oyo Corporation. (The data provided by 16 and 17 are distributed outside this area.)

Scale 1:700,000



(Polyconic Projection)

