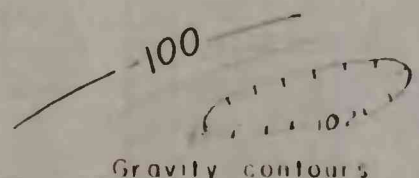


EXPLANATION

Gravity stations



Gravity contours

Contour interval 1 milligal, gravity values are complete Bouguer anomaly, all values on this map are negative. Gravity observations relative to 979,227.7 milligals at boarding gate of Tucson Municipal Airport (Behrendt, J.C. and Woolford, G.P., 1961). An evaluation of the gravity control network in North America: Geophysics, v.26, p.73. Elevation and terrain are corrected, assuming a density of 2.67 grams per cubic centimeter to sea level. The terrain effect is corrected to a distance of 0.15 mile.

NOTE

The elevations for most of the gravity stations were determined by altimetric methods. The probable error of elevation for stations symbolized by a solid circle is less than 10 feet. The elevation error for stations symbolized by a dotted circle may be greater than 10 feet. An elevation error of 10 feet corresponds to an error of 0.60 milligal in the gravity anomaly.

INDEX MAP OF ARIZONA SHOWING LOCATION OF GRAVITY SURVEY

SCALE 1:125,000
0 1 2 3 4 5 MILES



BOUGUER GRAVITY ANOMALY MAP OF THE TWIN BUTTES AREA, PIMA AND SANTA CRUZ COUNTIES, ARIZONA
BY
DONALD PLOUFF-1962