



EXPLANATION
 Bouguer gravity anomaly map of the U. S. South Atlantic Province. This map was prepared using data collected and compiled by the Defense Mapping Agency. Most of the data used were collected on the LANS BEATHLEY using a LaCrosse and Sumner and Bull gravimetric meters. Track stationing was generally less than 10 km and solid contours are shown where the data is this good.

Accuracies are considered good with errors of less than 2.5 mgals. Single bouguer corrections were applied by interpolating from the bathymetric map of the area published by ADM for the conversion of the LANS supplied free air values. A density of 2.67 g/cc was used for the assumed replacement of rock for the water column. The offshore Bouguer contour maps were merged with updated Bouguer maps on land in the various states of Florida, Georgia, and South Carolina.

Plate 1. Bouguer gravity anomaly map of the U.S. South Atlantic Province.