



PLATE I

**EARTH SCIENCE LABORATORY**  
UNIVERSITY OF UTAH RESEARCH INSTITUTE

Aircraft and flight operations provided by:  
845 Squadron Det.  
ROYAL NAVY, ASI  
Luft. J. T. Thomas, Commander

This magnetic survey was completed as one part of an evaluation of the geothermal energy potential of Ascension Island.

For: United States Air Force  
Eastern Space and Missile Center and  
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United States Department of Energy  
Idaho Falls Operations Office  
Idaho Falls, Idaho

# AEROMAGNETIC MAP OF ASCENSION ISLAND SOUTH ATLANTIC OCEAN

by  
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**EXPLANATION**

CONTOUR INTERVAL: 20 & 100 GAMMAS  
FLIGHT LINE DIRECTION: 560°E; N20°E  
FLIGHT LINE SPACING: 400 METERS  
FLIGHT ALTITUDE (SENSOR): 205 METERS M.T.C.  
SURVEY FLOWN: 28 FEB. - 3 MAR. 1983

Magnetic contours show the total intensity magnetic field of the earth in gammas relative to an arbitrary datum. A constant value of 27,000 gammas has been removed from all observed data values.

Hatched to indicate areas of lower magnetic intensity; dashed where data are incomplete.

