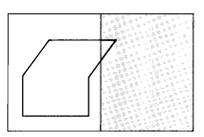


Airborne Geophysical Survey and Compilation by **GEOEX** PTY LTD

for

AUSTRALIAN ANGLO AMERICAN LIMITED
MT RAMSAY AREA TASMANIA
CONTOURS OF RESIDUAL TOTAL MAGNETIC INTENSITY



SURVEY LOCATION

SHEET INDEX



The data presented is the residual magnetic intensity, after subtracting the International Geomagnetic Reference Field from the observed Total Magnetic Intensity. The data was corrected for diurnal drift using a base station monitor at SMITHTON Airfield, Latitude 40.837° S, Longitude 145.089° E, Altitude - Metres was 62174 m. Final detailed levelling of the data was performed using tie-line crossover analysis. A simple 3 point filter was applied to the data, which was then gridded and contoured using a 50m by 50m mesh cell.

EQUIPMENT SPECIFICATIONS
Cessna 441BSE Aircraft
SONOTEK IGSS SYSTEM
0.1 nT MAGNETOMETER
256 CHANNEL SPECTROMETER
24 Litre Null III DETECTOR
RING RANGED RADAR ALTIMETER
15mm Ground Tracking Camera
Industry Standard 9 track
32 RPM Magnetic Tape
8 Channel Analogue Recorder
3 Channel Analogue Recorder for Magnetometer
The nominal flight line separation was 150 metres, and the nominal tie-line bearing was 0 degrees. The observed mean sample interval in the flight direction was 39 metres, achieved with a nominal aircraft speed of 100 knots, and a reading interval of 0.8 seconds. The mean sensor height was 150 metres, using a towed bird configuration. The magnetometer accuracy is 1.0 nT, and the resolution 0.1 nT.

PROJECT BOUNDARY
CONTOUR INTERVAL 5 nTesla
PROJECT NUMBER 82733 SURVEYED MARCH 1982