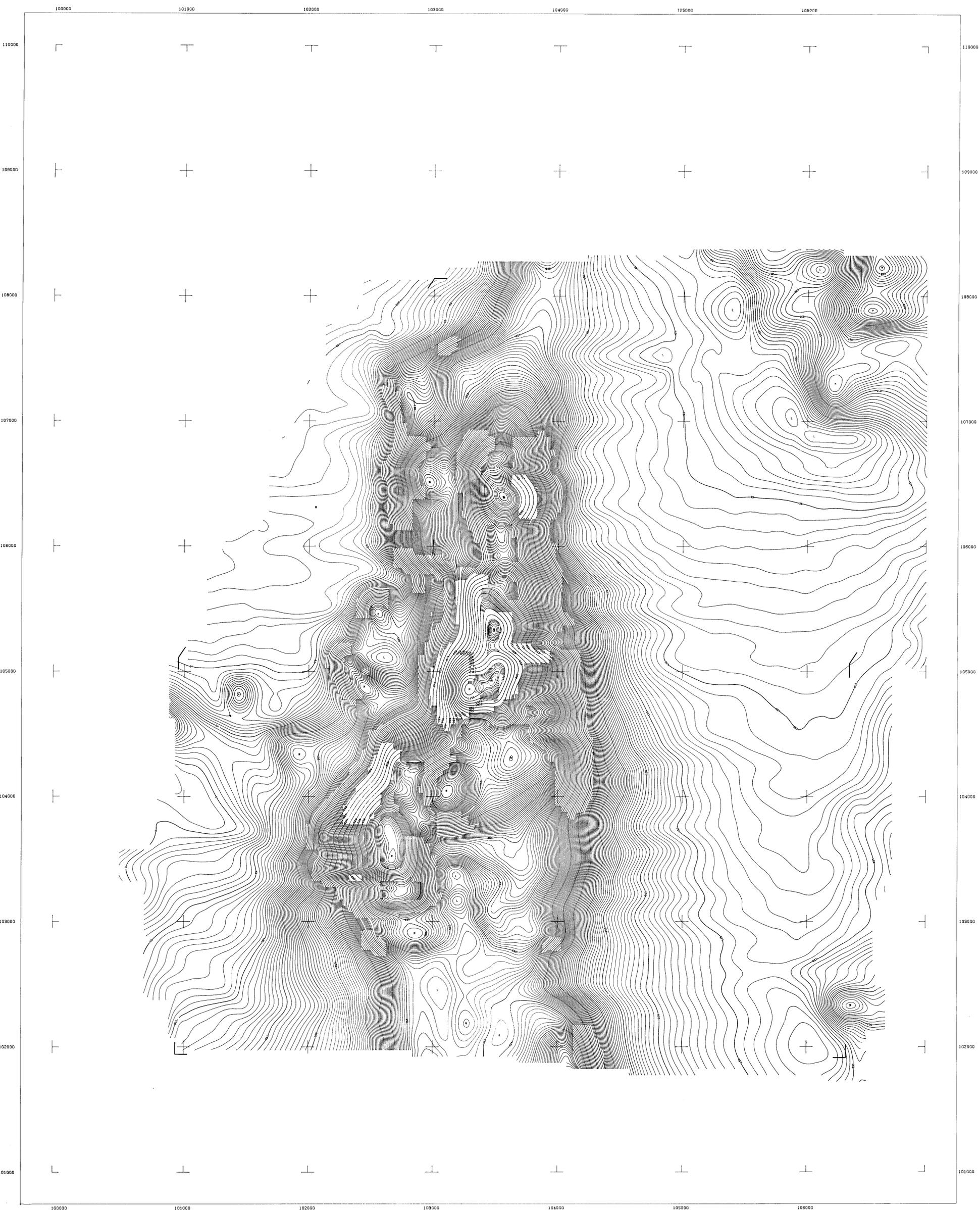


5cm



Airborne Geophysical Survey and Compilation by



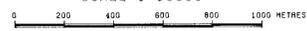
for

AUSTRALIAN ANGLO AMERICAN LIMITED

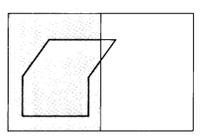
MT RAMSAY AREA TASMANIA

CONTOURS OF RESIDUAL TOTAL MAGNETIC INTENSITY

SCALE 1:10000



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 40.897 S Longitude 145.089 E. Altitude - Metres. The sensor height was 3 metres. The adopted value for this location was 52174 nT. 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 10331 SYSTEM  
 0.1 nT MAGNETOMETER  
 256 CHANNEL SPECTROMETER  
 24 Line Nal(Tl) DETECTOR  
 KING RANGID RANGID 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 level bird configuration. The magnetometer accuracy is 0.1 nT, and the resolution is 0.1 nT.

SURVEY BOUNDARY

CONTOUR INTERVAL 5 nTesla

PROJECT NUMBER 82733 SURVEYED MARCH 1982