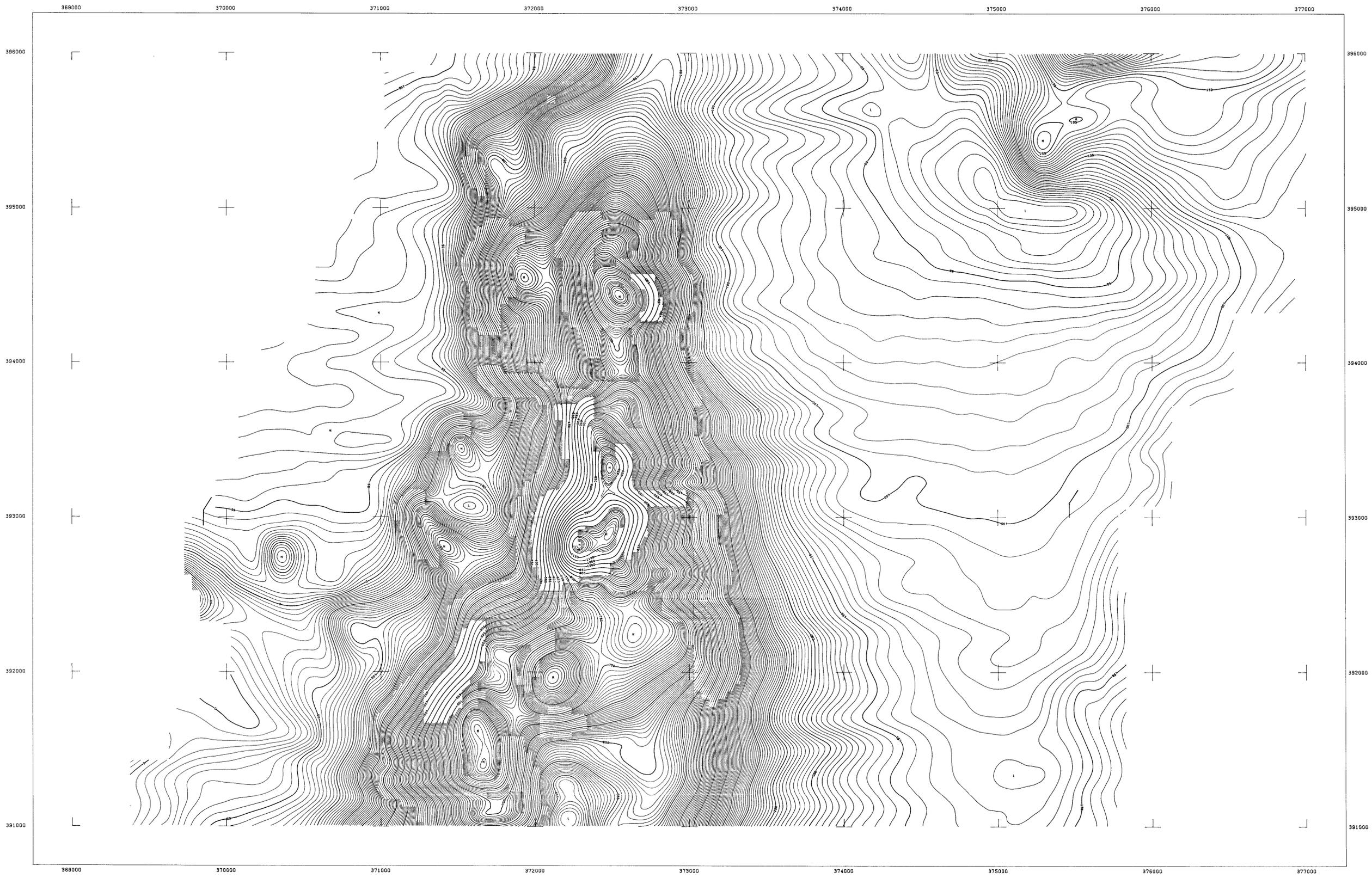


TAS/2/3007



Airborne Geophysical Survey and Compilation by



for

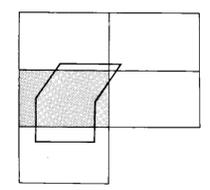
AUSTRALIAN ANGLO AMERICAN LIMITED

MT RAMSAY AREA TASMANIA

CONTOURS OF RESIDUAL TOTAL MAGNETIC INTENSITY



SURVEY LOCATION



SHEET INDEX



SCALE 1:10000

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 145.083 E, Altitude - Metres. The adopted value for this location was 62174 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 441B5E Aircraft
 SONOTEK IGSS1 SYSTEM
 0.1 nT MAGNETOMETER
 256 CHANNEL SPECTROMETER
 24 Litre Na(I) DETECTOR
 KING KARLO RADAR ALTIMETER
 15mm Ground Tracking Camera
 Industry Standard 8 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.

SURVEY BOUNDARY

CONTOUR INTERVAL 5 nTesi
PROJECT NUMBER 82733 SURVEYED MARCH 1982