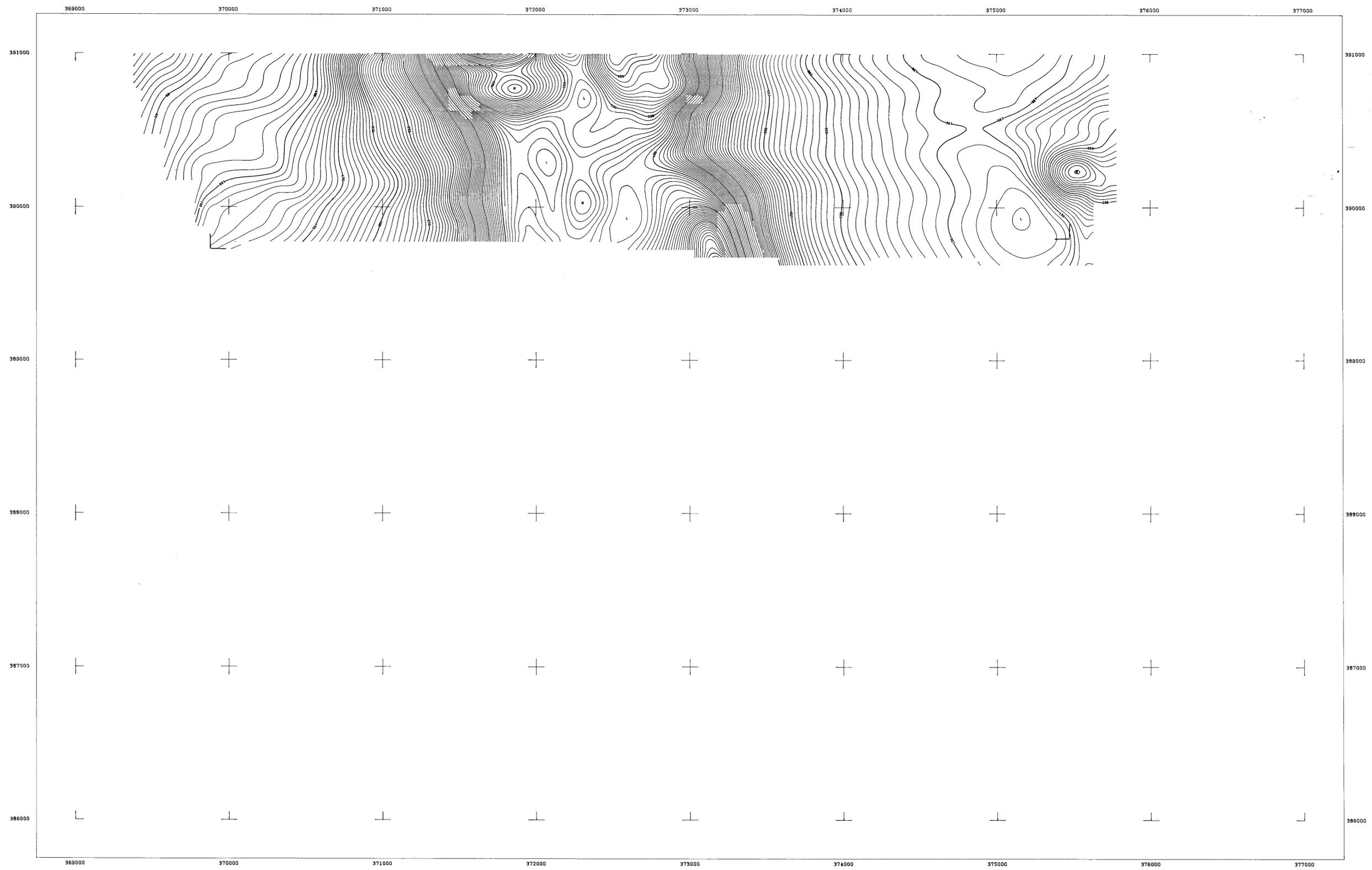


TAS/2/3008

5 cm

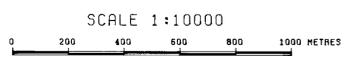
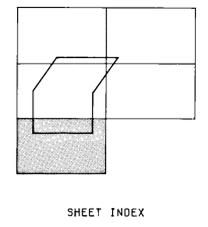


Airborne Geophysical Survey and Compilation by



for

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



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 sensor height was 3 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 441BSE Aircraft
 SONTEK IGSSI SYSTEM
 G.L. MAGNETOMETER
 256 CHANNEL SPECTROMETER
 24 Litre NOI(TI) DETECTOR
 KING RADIO RADAR ALTIMETER
 15cm 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.

SURVEY BOUNDARY
 CONTOUR INTERVAL 5 nTesia
 PROJECT NUMBER 82793 SURVEYED MARCH 1982