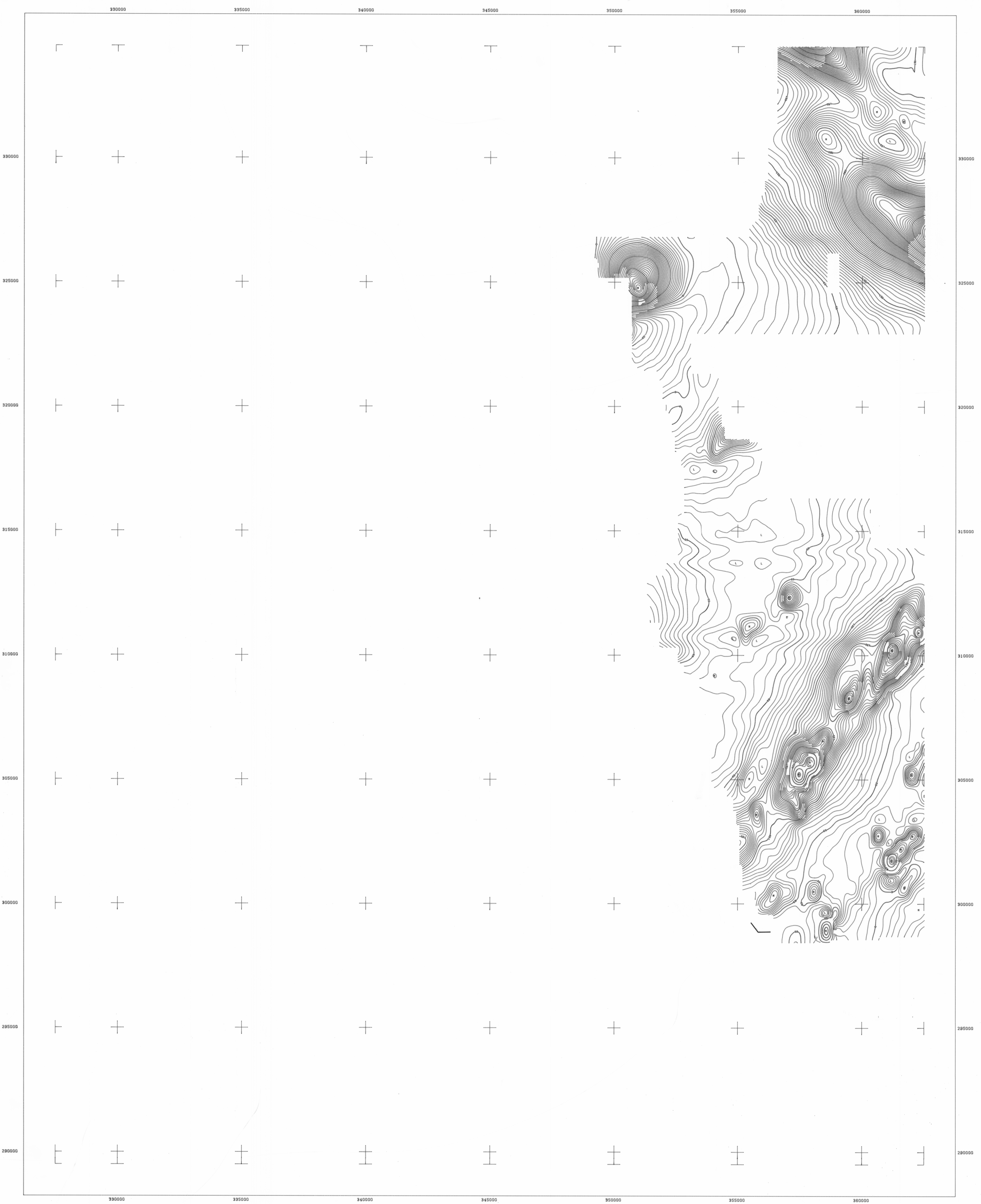


\*\*\*\*\*  
 \* OVERSIZE \*  
 \* VERTICALLY \*  
 \* No. 2 \*  
 \*\*\*\*\*

4908A  
 SHEET 4  
 5 cm  
 66



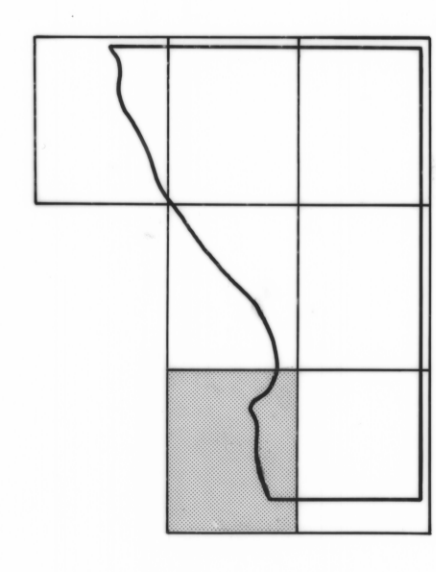
Airborne Geophysical Survey and Compilation by



for  
 DEPARTMENT OF MINES TASMANIA  
 WEST COAST AREA TASMANIA  
 CONTOURS OF RESIDUAL TOTAL MAGNETIC INTENSITY



SURVEY LOCATION



SHEET INDEX

SCALE 1:50000  
 0 1000 2000 3000 4000 5000 METRES

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 QUEENSTOWN Airfield, Latitude 42.077° S, Longitude 145.529° E, Altitude 259 Metres. The sensor height was 3 metres. The adopted value for this location was 42684 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 125m by 125m mesh cell.

**EQUIPMENT SPECIFICATIONS**  
 Caspary R185C Aircraft SONOTEX 10551 SYSTEM  
 0.1 nT MAGNETOMETER  
 256 CHANNEL SPECTROMETER  
 24 Ltra Nal(Ti) DETECTOR  
 KING RADIO RADAR ALTIMETER  
 18mm Ground Tracking Camera  
 Industry Standard 3 track  
 32 nT/m Magnetic Tape  
 8 Channel Analogue Recorder  
 3 Channel Analogue Recorder  
 for Magnetometer

The nominal flight line separation was 500 metres, and the nominal tie-line bearing was 0 degrees. The observed mean sample interval in the flight direction was 0.8 seconds, achieved with a nominal aircraft speed of 100 knots, and a reading interval of 0.8 seconds. The mean sensor height was 135 metres, using a towed bird configuration. The magnetometer accuracy is 1.0 nT, and the resolution is 0.1 nT.

CONTOUR INTERVAL 5 nTesla  
 PROJECT NUMBER B1544 SURVEYED MAY 1981