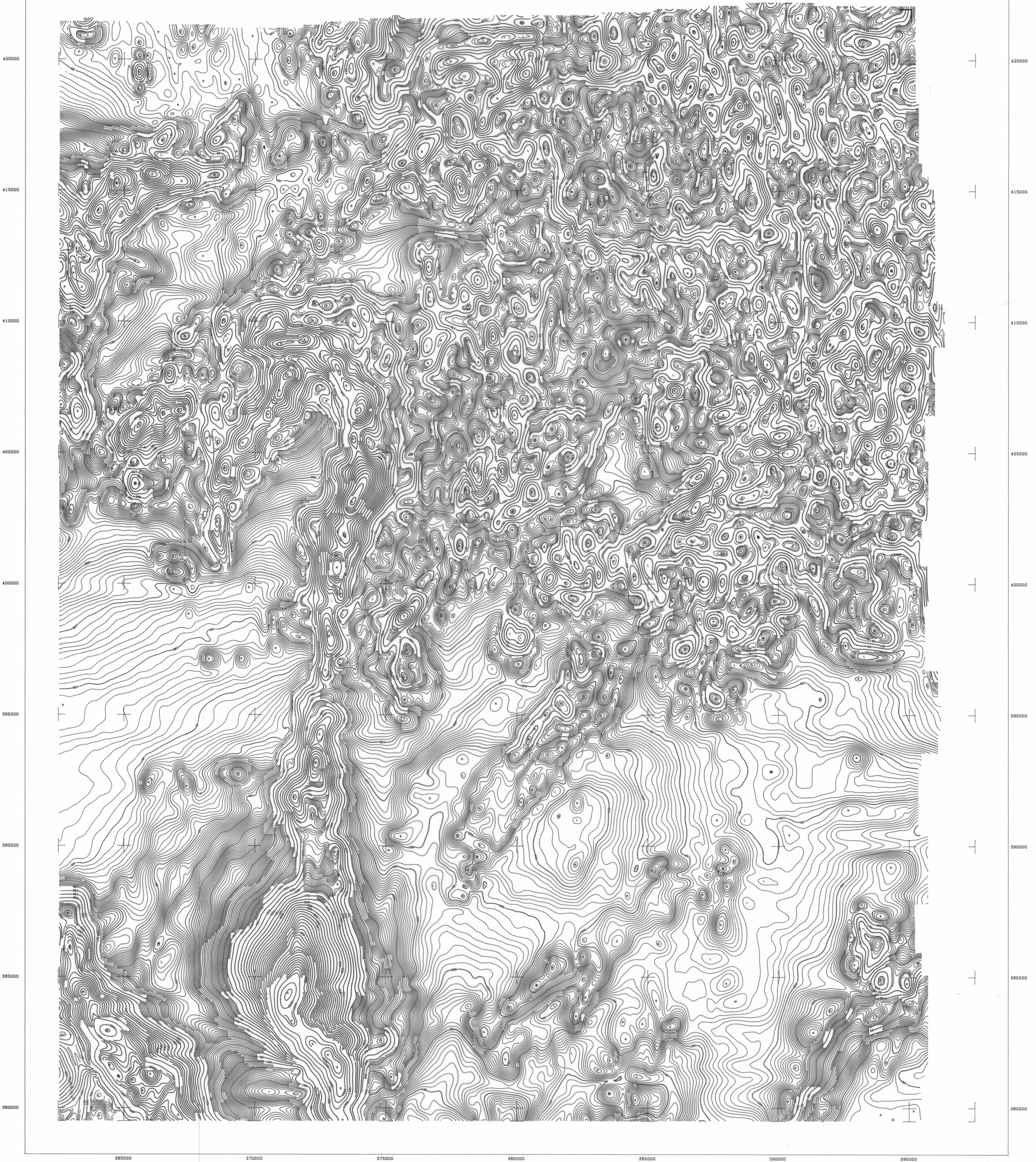

OVERSIZE
VERTIFLAP
No. 2

49134
SHEET 9

NOT FOR
MODIFICATION

5 cm

365000 370000 375000 380000 385000 390000 395000



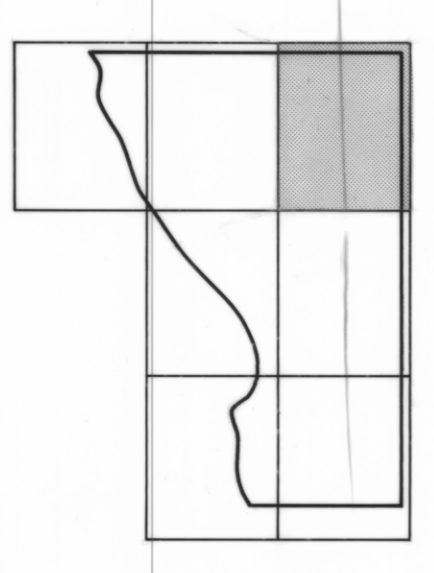
Airborne Geophysical Survey and Compilation by



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



SURVEY LOCATION



SHEET INDEX

SCALE 1:50000



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 82684 nT. Final detailed levelling of the data was performed using tie-line crossover analysis. A sample 3 point filter was applied to the data, which was then gridded and contoured using a 125m by 125m mesh cell.

EQUIPMENT SPECIFICATIONS
 Casema RISE Aircraft
 SONOTER 16551 SYSTEM
 0.1 nT MAGNETOMETER
 256 CHANNEL SPECTROMETER
 24 Litre Na(I) DETECTOR
 KING KARL'S RADAR ALTIMETER
 16mm Ground Tracking Camera
 Industry Standard 9 track
 32 RPS Magnetometer
 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 metres, 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 0.1 nT.

SURVEY BOUNDARY

CONTOUR INTERVAL 5 nT/5a

PROJECT NUMBER 81544 SURVEYED MAY 1981