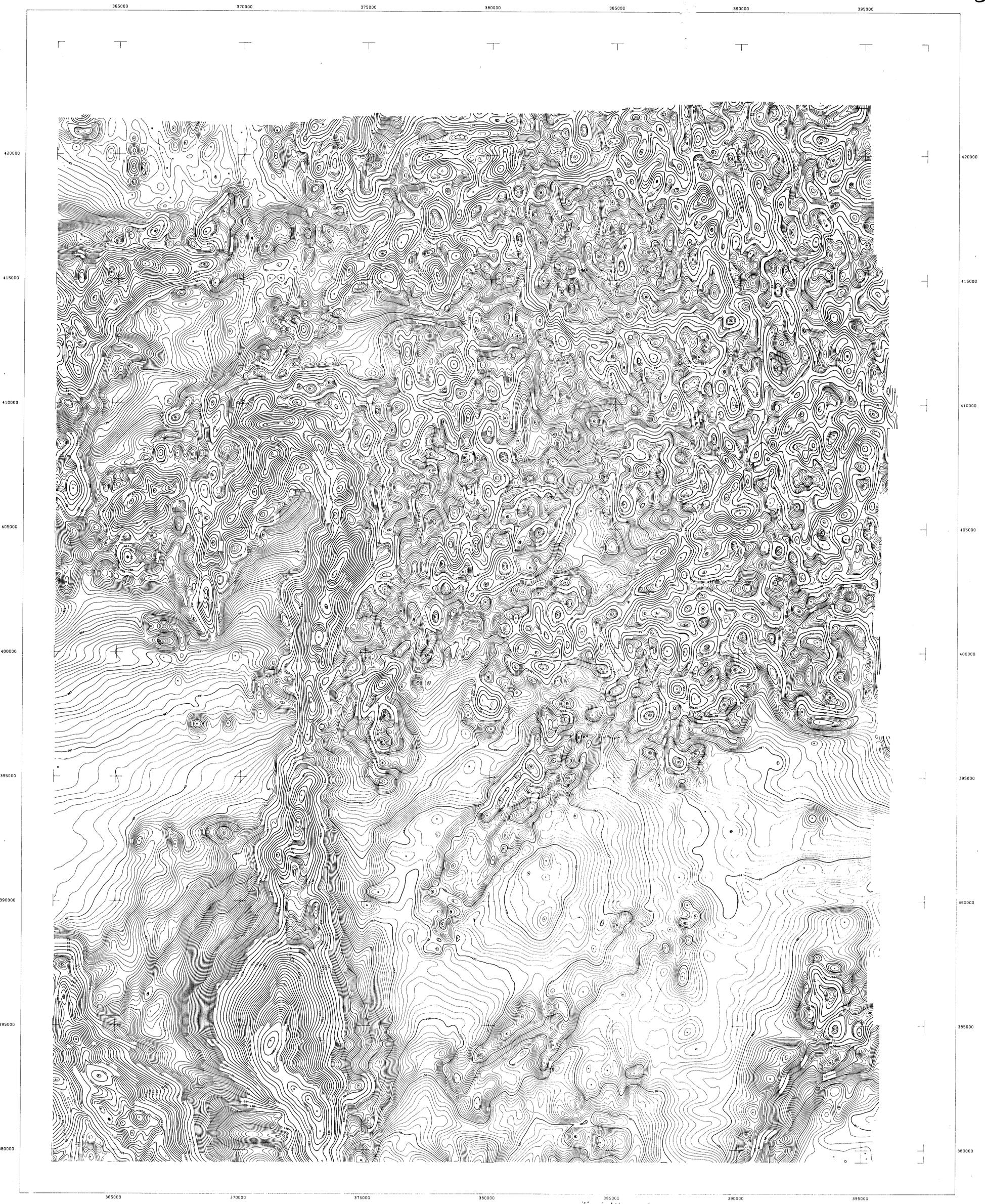


1:50,000

GEO PHYSICS
CONTOURS OF RESIDUAL
TOTAL MAGNETIC INTENSITY.

SHEET 3
W. COAST T.A.S.
395,000E 420,000N

3



Airborne Geophysical Survey and Compilation by



for

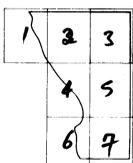
DEPARTMENT OF MINES TASMANIA

WEST COAST AREA TASMANIA

CONTOURS OF RESIDUAL TOTAL MAGNETIC INTENSITY



SURVEY LOCATION



SHEET INDEX



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 the location was 62084 m. 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
Cessna 441B2 Aircraft
SONATEK (GSSI) SYSTEM
G.I. 11 MAGNETOMETER
256 CHANNEL SPECTROMETER
24 Ultra Noise DETECTOR
RING RINGED ANTI METEOR
16mm Ground Tracking Camera
Industry Standard 9 track
32 AMP 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 0.1 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 0.1 nT, and the residual is 0.1 nT.

SURVEY BOUNDARY

PROJECT NUMBER: 81544

SHEET 3 OF 10