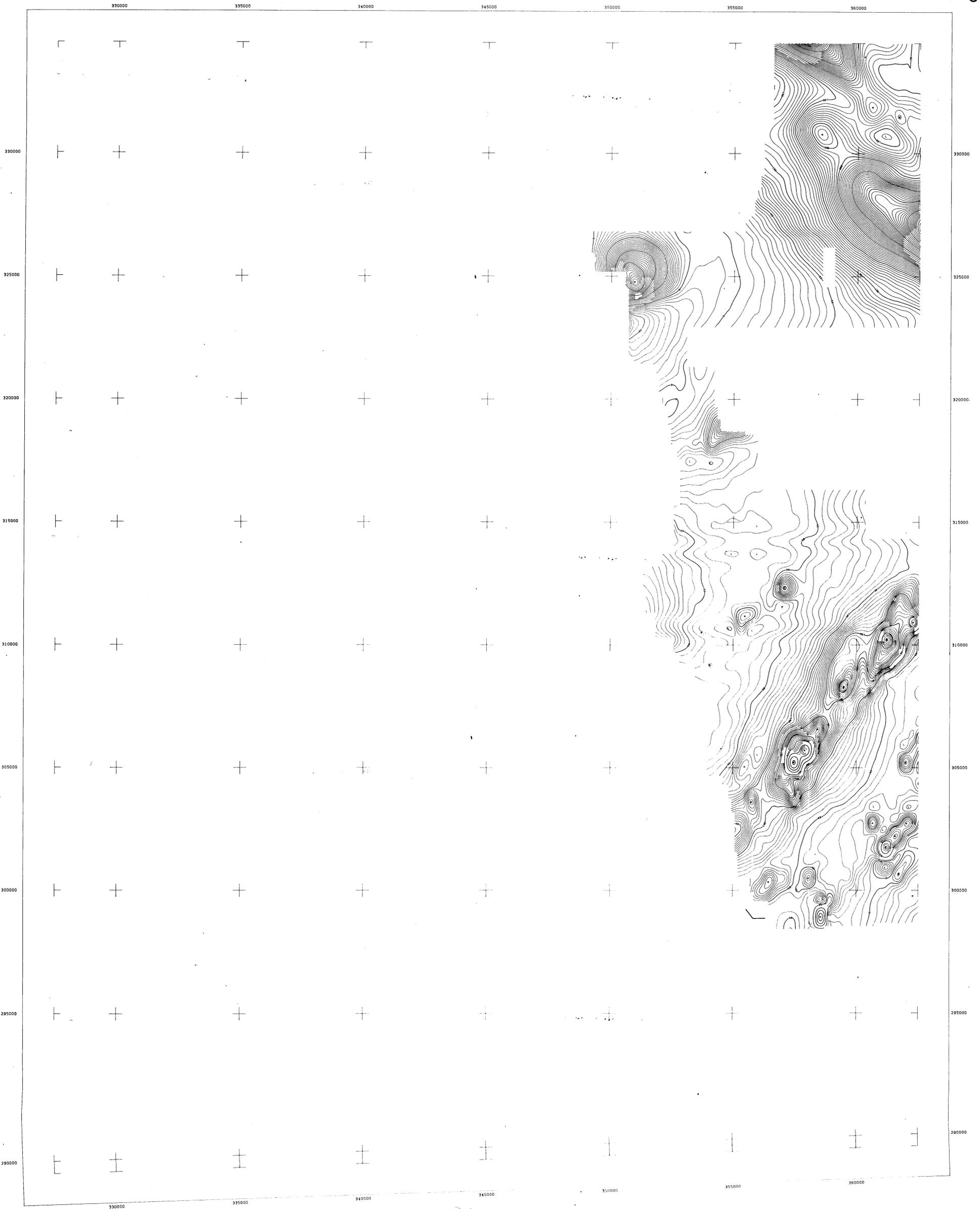


1:50,000

GEOPHYSICS
CONTOURS OF RESIDUAL
TOTAL MAGNETIC INTENSITY

SHEET 6
W. COAST TAS.
360,000E 330,000N

6



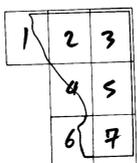
Airborne Geophysical Survey and Compilation by



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° 07' S Longitude 165° 52' E Altitude 250 Metres. The adopted value for this location was 52864 nT.

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 nTesla
 PROJECT NUMBER 81544 SURVEYED MAY 1981

EQUIPMENT SPECIFICATIONS
 Cessna 441B2 Aircraft
 SINTER 10551 SYSTEM
 0.1 nT MAGNETOMETER
 256 CHANNEL SPECTROMETER
 24 (1.7m Nal(Tl)) DETECTOR
 KING MARIO RADAR ALTIMETER
 15cm Ground Tracking Camera
 Industry Standard 9 track
 12 (1/2) inch Magnetic Tape
 8 Channel Analogue Recorder
 3 Channel Analogue Recorder
 for Magnetometer