

Airborne Geophysical Survey and Compilation by

**GEOEX**  
 PTY LTD

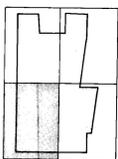
for  
**C. S. R. LIMITED**

**DUNDAS AREA TASMANIA**

**CONTOURS OF RESIDUAL TOTAL MAGNETIC INTENSITY**

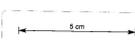


SURVEY LOCATION



SHEET INDEX

SCALE 1:10000



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 145.523 E Altitude 259 Metres The sensor height was 3 metres. The adopted value for this location was 62888 nT. Final detailed levelling of the data was performed using tie-line crossover analysis. A simple 5 point filter was applied to the data, which was then gridded and contoured using a 75m by 75m mesh cell.

**EQUIPMENT SPECIFICATIONS**  
 Cassini RB55 Aircraft  
 SANDER ISSI SYSTEM  
 0.1 nT MAGNETOMETER  
 256 CHANNEL SPECTROMETER  
 24 Line Nal(11) DETECTOR  
 KING WIND RADAR ALTIMETER  
 16mm Ground Tracking Camera  
 Industry Standard 9 Track  
 32 Base Magnetic Tape  
 8 Channel Analogue Recorder  
 3 Channel Analogue Recorder  
 for Magnetometer

The nominal flight line separation was 250 metres, and the nominal tie-line bearing was 0 degrees. The observed mean sample interval in the flight direction was 41 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 nTesla

PROJECT NUMBER 82713 SURVEYED FEBRUARY 1982