

AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER \* 3 G-813 proton precession magnetometers  
in tail stinger and wing tips.  
Sensitivity ± 0.2 nT

RECORDING INTERVAL \* 30m sampling

SPECTROMETER \* GR - 800 gamma ray spectrometer  
Volume \* 16.8 litres

TOTAL COUNT WINDOW \* 0.8 - 3.00 MeV  
POTASSIUM WINDOW \* 1.35 - 1.56 MeV  
URANIUM WINDOW \* 1.66 - 1.86 MeV  
THORIUM WINDOW \* 2.42 - 2.82 MeV  
RECORDING INTERVAL \* 60m sampling

DATA RECORDING \* Geometrics 714 acquisition system.  
Digital to magnetic tape.

NOMINAL TERRAIN CLEARANCE \* All detectors in aircraft at 150m.  
NOMINAL LINE SPACING \* Traverse lines 500 metres.  
Tie lines 10 km.

FLIGHT PATH RECORD \* continuous tracking colour video.  
FLIGHT LINE RECOVERY \* Visually to 1:100,000 accuracy  
with Doppler interpolation between  
recovered points

GRADIENT ENHANCED MAGNETICS

Grid notation refers to Australian Map Grid Zone 55  
Digitized from mosaic at 1:100000

Magnetics \*gradient enhanced  
\*from transverse gradient derived  
\*from 3 total field sensors

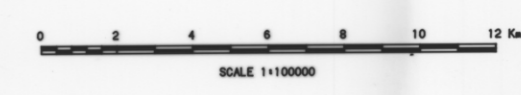
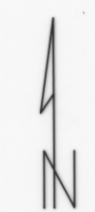
Altitude corrections have not been applied  
to gradients. This may account for some line  
dependent features in hilly areas

10DF (1980) \*updated to December 1985  
10RF (1980) \*Removed. Data 2000 nT added

Grid mesh size \*100 x 100 metres  
Grid filter \*Polynomial, radius 150 metres  
Contour interval 5,10,50,100 and 250 nT

41 00 05 S	1	2
41 38 05 S	3	4

145 40 30 E    146 40 30 E



JOB NO \* 9312  
Flown by Geometrics International Corporation  
November 1985  
Processed by Engineering Computer Services, Darwin

**TASMANIAN MINES DEPARTMENT**

**DEVONPORT AREA  
GRADIENT ENHANCED MAGNETICS  
SHEET ONE**

DATE \* 23-MAY-86