

**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  
G-B - 3.00 MeV

**TOTAL COUNT WINDOW :** 1.36 - 1.56 MeV

**POTASSIUM WINDOW :** 1.66 - 1.86 MeV

**URANIUM WINDOW :** 2.42 - 2.82 MeV

**RECORDING INTERVAL :** 60m sampling

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

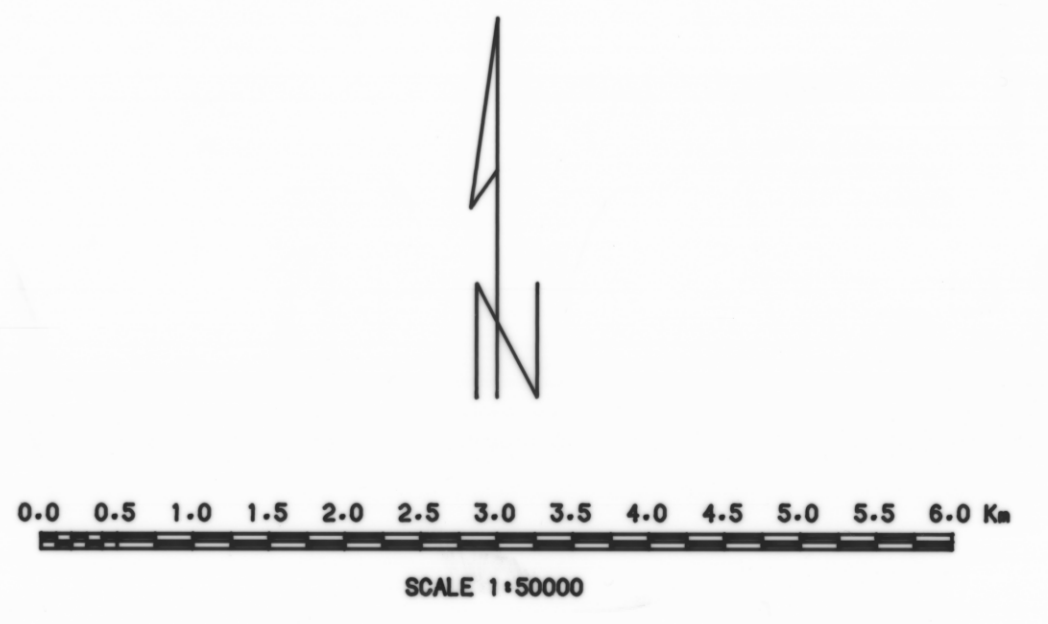
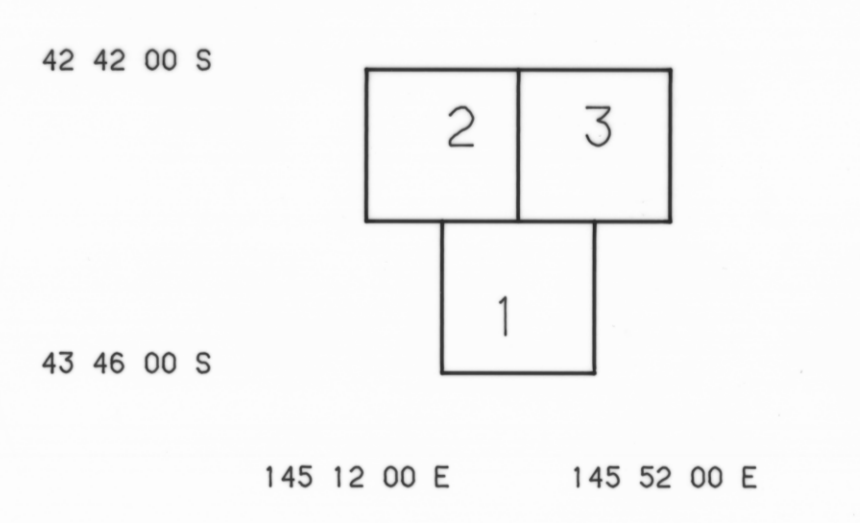
**NOMINAL TERRAIN CLEARANCE :** All detectors in aircraft at 150m.

**NOMINAL LINE SPACING :** Traverse lines 500 metres.  
Tie lines 10 km.

**FLIGHT PATH RECORD :** continuous tracking colour video.

**FLIGHT LINE RECOVERY :** Visually to 1:50,000 topographic maps

**SHEET ONE**  
**GRADIENT ENHANCED MAGNETIC CONTOURS**  
Grid notation refers to Australian Map Grid Zone 55  
Digitised from colour photos at 1:50000  
Magnetic +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  
IGRF (1980) \*Updated to December 1985  
IGRF (1980) \*Removed. Datum 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



JOB NO : 9312  
Flown by Geometrics International Corporation  
November 1985  
Processed by Engineering Computer Services, Boral

**TASMANIAN MINES DEPARTMENT**

**WESTERN TASMANIA  
GRADIENT ENHANCED MAGNETIC CONTOURS  
SHEET ONE**

DATE: 11-APR-86

ORIGINAL  
5 cm  
5159 D  
112  
1:50,000