

**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** \* 1.36 - 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** \* Transverse lines 500 metres.  
Tie lines 10 km.

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

**FLIGHT LINE RECOVERY** \* Visually to 1:100,000 mosaic with Doppler interpolation between recovered points

**GRADIENT ENHANCED MAGNETICS**

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

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

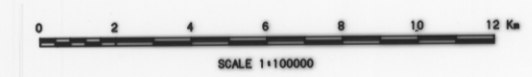
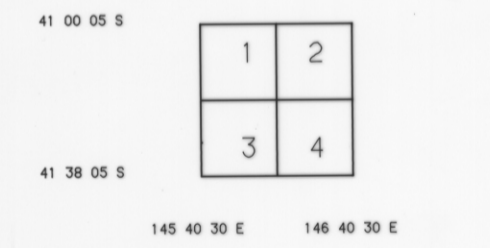
IGRF (1980) \*Updated to December 1985

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, Bernal

**TASMANIAN MINES DEPARTMENT**

**DEVONPORT AREA**  
**GRADIENT ENHANCED MAGNETICS**  
**SHEET THREE**

DATE \* 23-MAY-86