

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 = 16.0 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 : Traverse lines 500 metres.
Tie lines 10 km.

FLIGHT PATH RECORD : continuous tracking colour video.

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

GRADIENT ENHANCED MAGNETICS
Grid notation refers to Australian Map Grid Zone 55
Digitised from mosaics 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

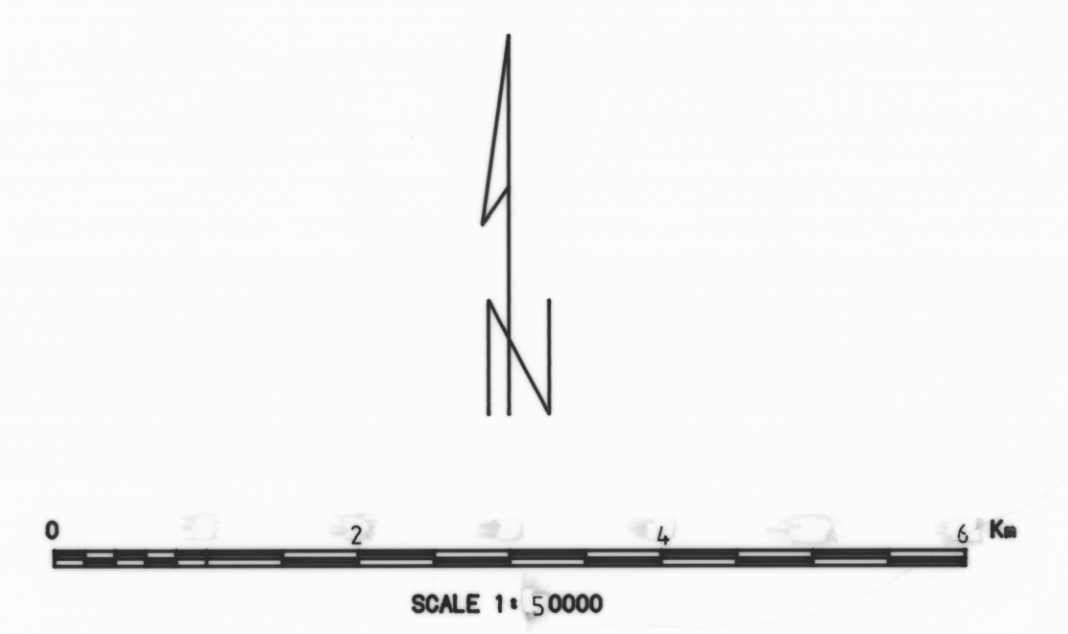
IGRF (1980) Removed. Datum 2000 nT added

Grid mesh size 100 x 100 metres

Grid filter Polynomial, radius 150 metres

Contour Interval 5,10,50,100 and 250 nT

41 00 05 S	1	2
41 38 05 S	3	4
	145 40 30 E	146 40 30 E



JOB NO 9312
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TASMANIAN MINES DEPARTMENT

**DEVONPORT AREA
GRADIENT ENHANCED MAGNETICS
SHEET THREE**

DATE 23-MAY-86

ORIGINAL

5157 D
150,000

OVERSIZING
VERTICAL
