

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.

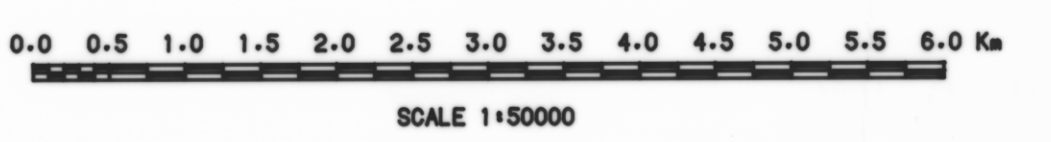
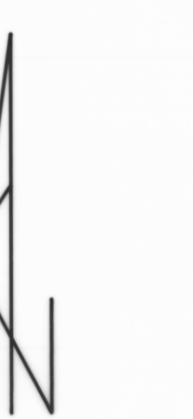
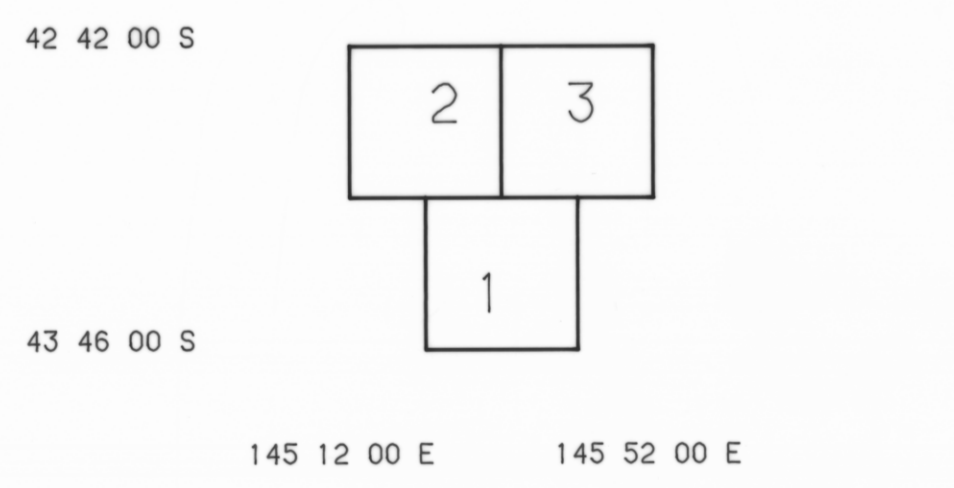
FLIGHT LINE RECOVERY : Visually to 1:50,000 topographic maps

SHEET TWO
GRADIENT ENHANCED MAGNETIC CONTOURS
Grid notation refers to Australian Map Grid Zone 55
Digitized from colour photos at 1:50,000

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

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, Bawval

TASMANIAN MINES DEPARTMENT

WESTERN TASMANIA
GRADIENT ENHANCED MAGNETIC CONTOURS
SHEET TWO

DATE : 11-APR-86

ORIGINAL
5 cm

5160 D
1:50,000

VERTICAL
No. 2