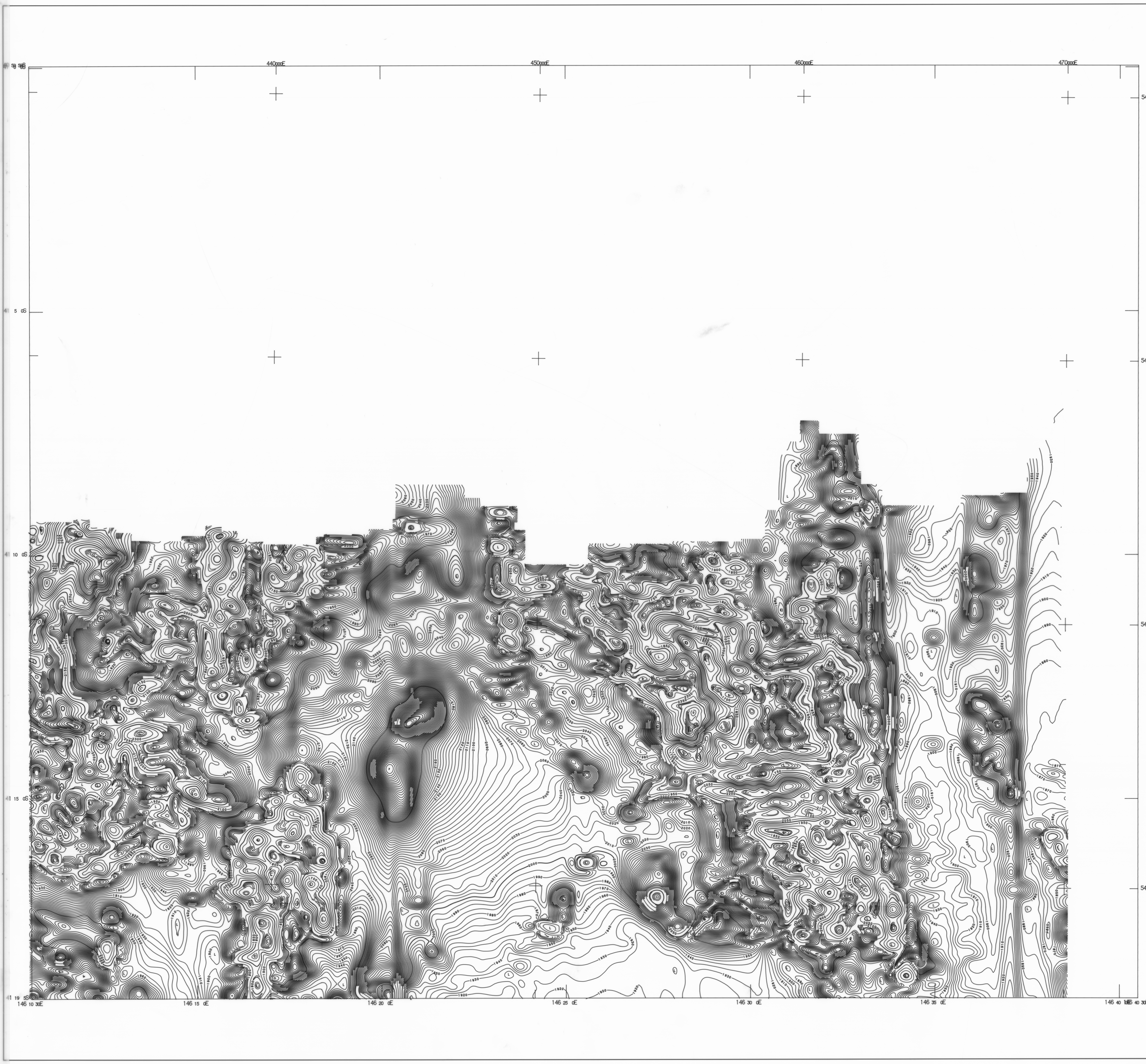


ORIGINAL

5156 D
1:50,000

DEVELOPER
No. 2



AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER : 3 G-813 proton precession magnetometers in tail stinger and wing tips. Sensitivity 1, 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 : Traverse lines 500 metres. Tie lines 10 m.

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 1:100,000

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

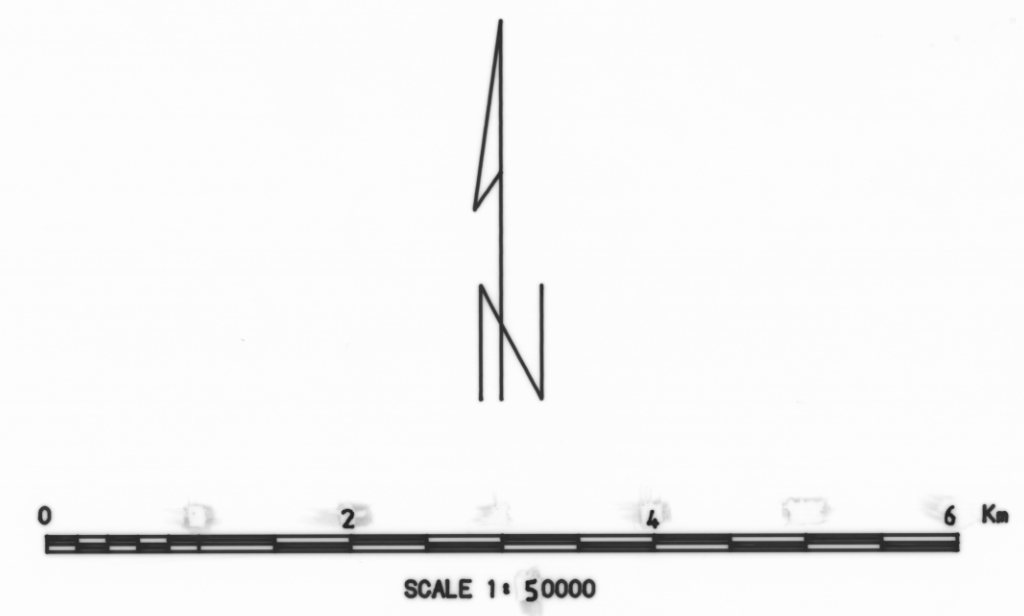
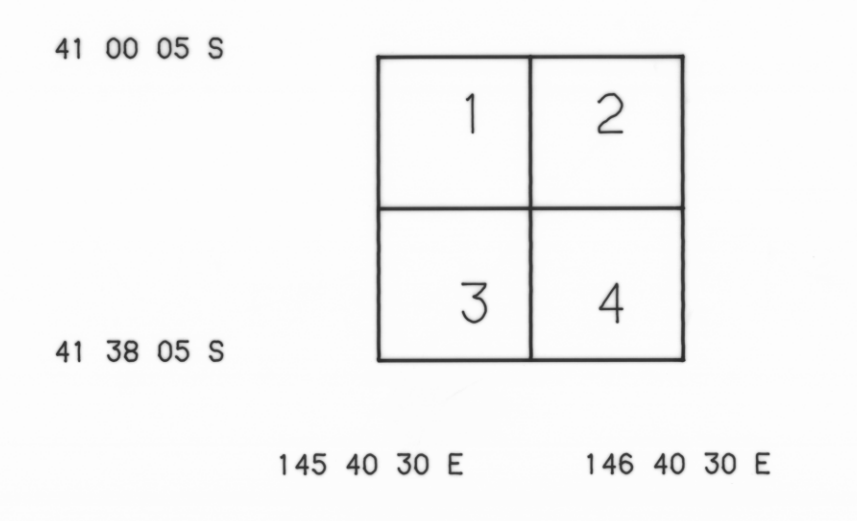
IGRF (1980) : Updated to December 1985

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 : 0312
Flown by Geometrics International Corporation
November 1985
Processed by Engineering Computer Services, Bowral

TASMANIAN MINES DEPARTMENT

**DEVONPORT AREA
GRADIENT ENHANCED MAGNETICS
SHEET TWO**

DATE: 26-MAY-86