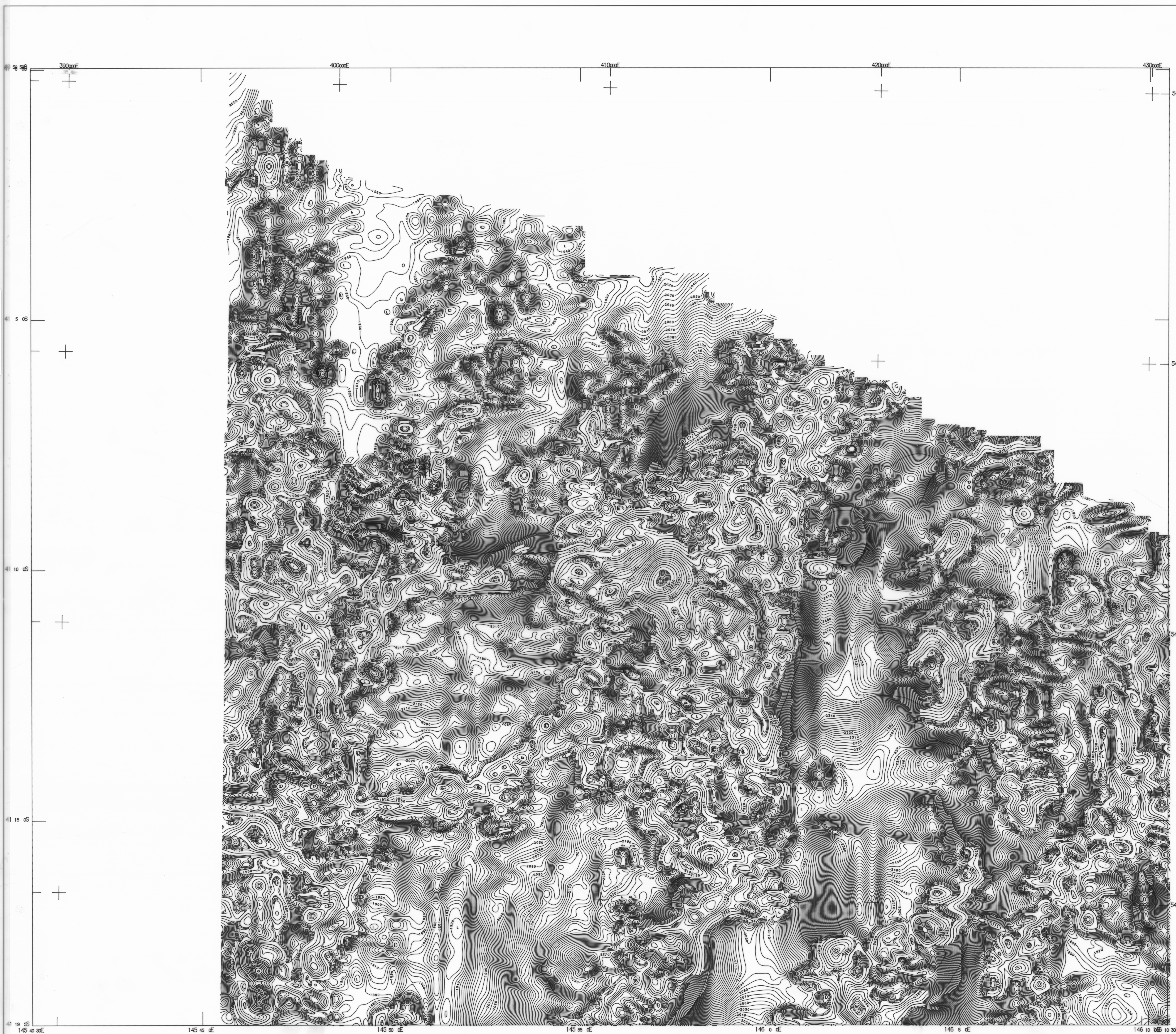


ORIGINAL

92

5155 D
1:50,000

OVERSIZE
VERTICAL



AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER : 3 G-813 proton precession magnetometers in tail stinger and wing tips.
Sensitivity ± 0.2 nT
30m sampling

RECORDING INTERVAL : 30m

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 km.

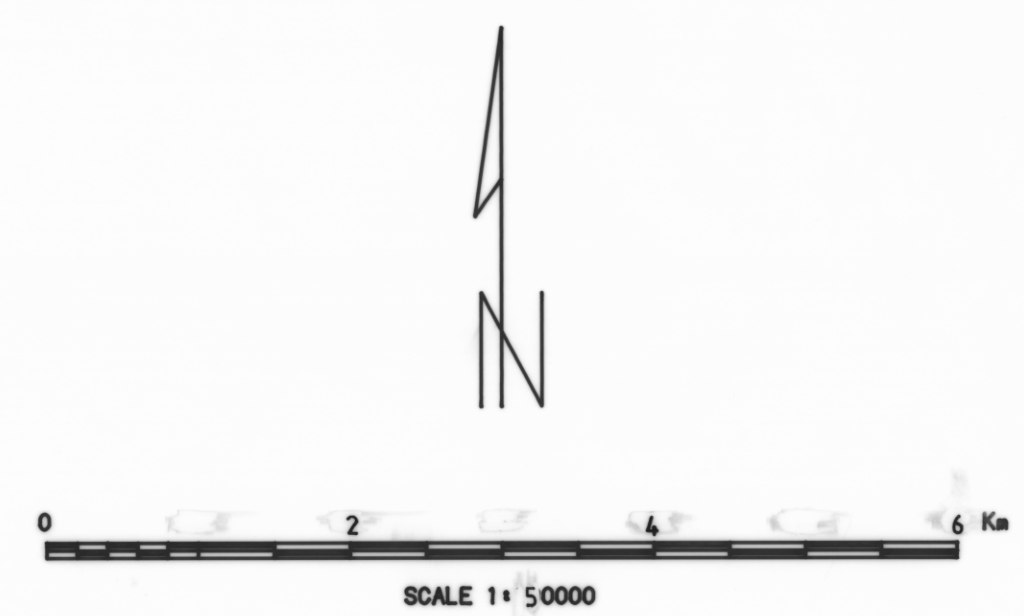
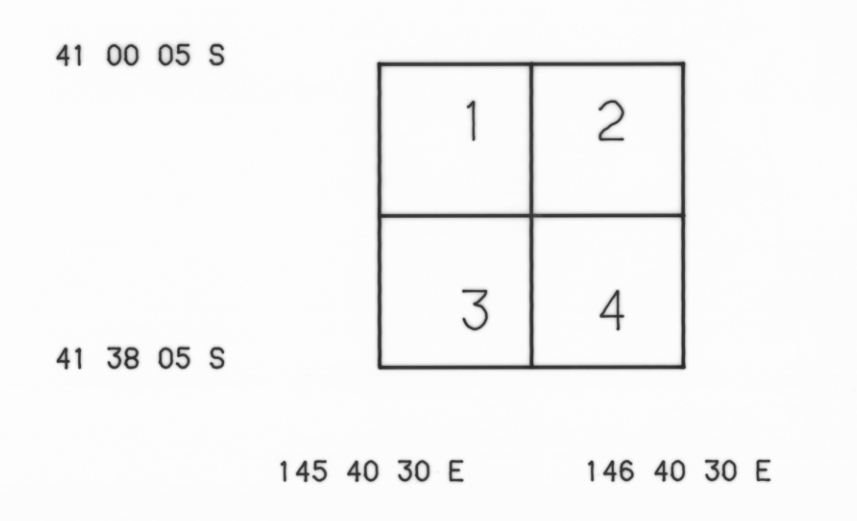
FLIGHT PATH RECORD : continuous tracking colour video.
FLIGHT LINE RECOVERY : Visually to 1:100,000 mosaics with Doppler interpolation between recovered points

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



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

TASMANIAN MINES DEPARTMENT

DEVONPORT AREA
GRADIENT ENHANCED MAGNETICS
SHEET ONE

DATE: 23-MAY-86