

570000E 575000E 580000E 585000E 590000E

40°40'00"S

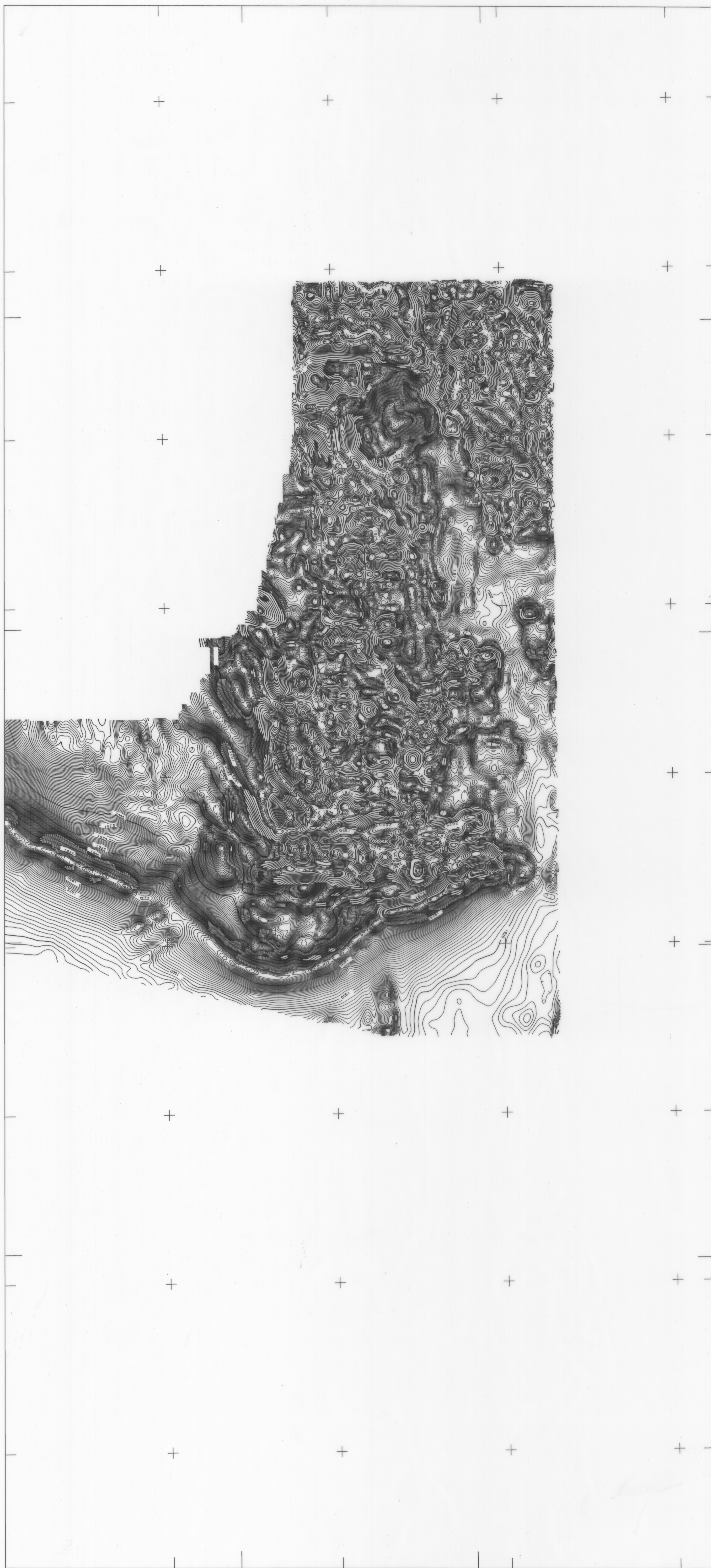
40°45'00"S

40°50'00"S

40°55'00"S

41°00'00"S

41°05'00"S



147°50'00"E 147°55'00"E 148°00'00"E 148°05'00"E

AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER : Caesium Vapour optical absorption  
Sensitivity : 0.001 nT

RECORDING INTERVAL : 0.1 sec (approx 7 m sampling)  
at mean ground speed of 250 km/hour

SPECTROMETER : Nuclear Data 256 channel ADC  
Voltage : 33.6 kV  
TOTAL COUNT WINDOW : 0.4 - 3.00 MeV  
POTASSIUM WINDOW : 1.35 - 1.57 MeV  
URANIUM WINDOW : 1.65 - 1.89 MeV  
THORIUM WINDOW : 2.55 - 2.82 MeV

RECORDING INTERVAL : 1.0 sec (approx 70 m sampling)  
at mean ground speed of 250 km/hour

DATA RECORDING : Geotrex RADACS acquisition system  
Digital to magnetic tape

NOMINAL TERRAIN CLEARANCE : Both detectors in aircraft at 80 m  
Reverse lines 400 m

FLIGHT PATH NAVIGATION : GPS system with SINGER KEARFOTT AN/ASN 128  
Doppler system with SREBY D/C compass and  
VO14 vertical gyro  
37 coordinates computed from WGS84 lat/long  
coordinates recorded by SERCEL NDS100 Real  
time UHF Differential GPS system

RESIDUAL MAGNETIC CONTOURS

Grid notation refers to Australian Map Grid Zone 55  
Magnetic : Digital removed, the line levelled  
1990 model (updated for secular  
variation to November 1993) removed,  
datum 2000 m added

Total Field : 61672 nT (at 41°00'00S, 147°20'00E)

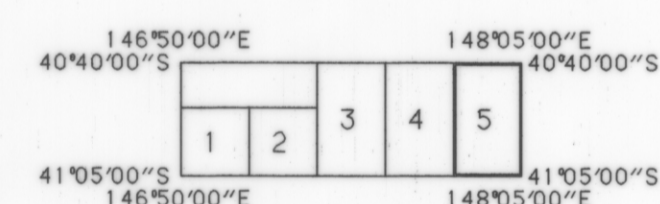
Inclination : 71 degrees S

Declination : 13.5 degrees E

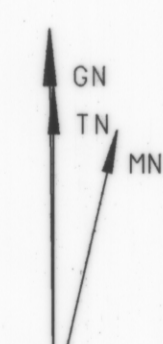
Grid north size : 50 x 50 metres

Grid filter : None

Contour interval : 2.5, 25 and 250 nT

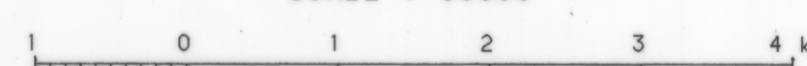


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Grid Convergence = -0.63'  
Declination = 13.50'

SCALE 1:50000



JOB NO : 1-451  
Surveyed by GEOTERREX PTY LTD : November 1993  
Compiled by GEOTERREX PTY LTD, STONEY  
Processed by GEOTERREX PTY LTD, STONEY

MINERAL RESOURCES TASMANIA  
WEYMOUTH-TOMAHAWK ALL LINES  
RESIDUAL MAGNETIC CONTOURS  
LAUNCESTON SK55-4  
SHEET 5 OF 5

CREATED : MP DRAWING NO :  
CHECKED : HS DATE : 31-JAN-1994