

5 cm

510000E

515000E

520000E

525000E

40°50'00"S

40°55'00"S

41°00'00"S

41°05'00"S



147°05'00"E

147°10'00"E

147°15'00"E

147°20'00"E

AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER : Cesium 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  
 Volume : 33.5 litres  
 TOTAL COUNT WINDOW : 0.4 - 3.00 MeV  
 POTASSIUM WINDOW : 1.35 - 1.57 MeV  
 URANIUM WINDOW : 1.63 - 1.89 MeV  
 THORIUM WINDOW : 2.42 - 2.82 MeV  
 RECORDING INTERVAL : 1.0 sec (approx 70 m sampling)  
 at mean ground speed of 250 km/hour  
 DATA RECORDING : Geotrex MADACS acquisition system  
 Digital to magnetic tape  
 NOMINAL TERRAIN CLEARANCE : Both detectors in aircraft at 80 m  
 NOMINAL LINE SPACING : Traverse lines 400 m  
 Tie lines 400 m  
 FLIGHT PATH NAVIGATION : SERCEL NDS100 Real time UHF Differential  
 GPS system with SINGER KEARFOIT AN/ASN 128  
 Doppler system with SPERRY Q12 compass and  
 VG14 vertical gyro  
 FLIGHT PATH RECORD : XY coordinates computed from WGS84 lat/long  
 coordinates recorded by SERCEL NDS100 Real  
 time UHF Differential GPS system

5475000N

RESIDUAL MAGNETIC CONTOURS

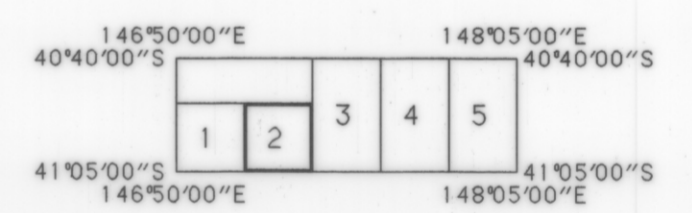
Grid notation refers to Australian Map Grid Zone 55  
 Magnetics : Diurnal removed, tie line levelled  
 1990 model (updated for secular  
 variation to November 1993) removed,  
 datum 2000 nT added  
 Total Field : 61672 nT (at 41°00'00S, 147°20'00E)  
 Inclination : 71 degrees S  
 Declination : 13.5 degrees E  
 Grid mesh size : 50 x 50 metres  
 Grid filter : None  
 Contour interval : 2.5, 25 and 250 nT

5470000N

5465000N

5460000N

5455000N

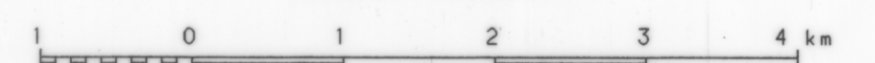


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Grid Convergence = -0.14"  
 Declination = 13.50"

SCALE 1:50000



JOB NO : 1-451  
 Surveyed by GEOTERREX PTY LTD 4 November 1993  
 Compiled by GEOTERREX PTY LTD, SYDNEY  
 Processed by GEOTERREX PTY LTD, SYDNEY

MINERAL RESOURCES TASMANIA  
 WEYMOUTH-TOMAHAWK EW LINES  
 RESIDUAL MAGNETIC CONTOURS  
 LAUNCESTON SK55-4  
 SHEET 2 OF 5

CREATED : MP  
 CHECKED : MS  
 DRAWING NO :  
 DATE : 21-JAN-1994