

5484B

867



510000E 515000E 520000E 525000E

40°50'00"S

40°55'00"S

41°00'00"S

41°05'00"S



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 C12 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

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RESIDUAL MAGNETIC CONTOURS

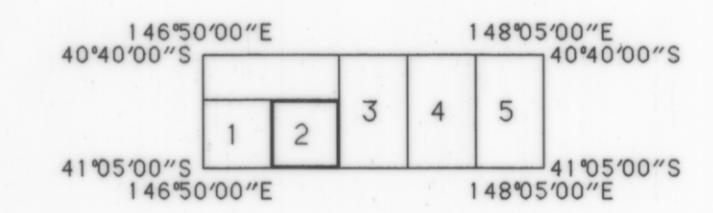
Grid notation refers to Australian Map Grid Zone 55
 Magnetic : Diurnal removed, tie line levelled
 IGRF : 1990 model updated for secular
 variation to November 1993 removed.
 datum 2000 m added
 Total Field : 61672 nT (at 41°00'00S, 147°20'00E)
 Inclination : 71 degrees S
 Declination : 13.5 degrees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

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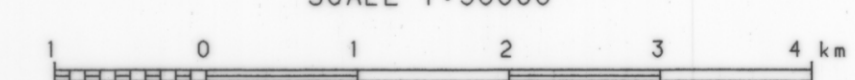
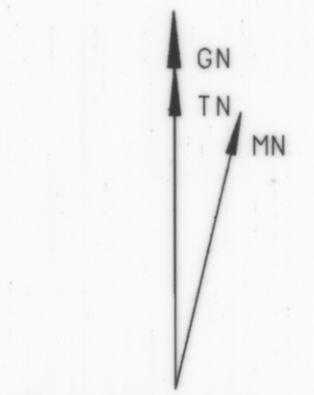
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JOB NO : 1-451
 Surveyed by GEOTERREX PTY LTD : November 1993
 Compiled by GEOTERREX PTY LTD, SYDNEY
 Processed by GEOTERREX PTY LTD, SYDNEY

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

147°05'00"E 147°10'00"E 147°15'00"E 147°20'00"E

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

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