

**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 : 33.6 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

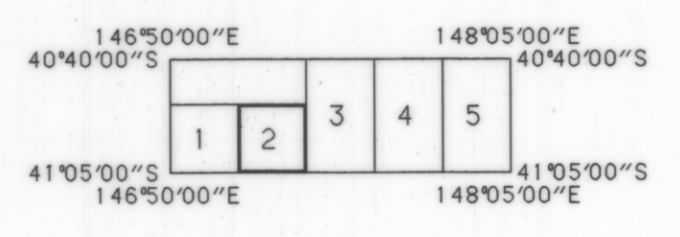
NOMINAL TERRAIN CLEARANCE : Both detectors in aircraft at 80 m  
 NOMINAL LINE SPACING : Traverse lines 400 m  
 Tie lines 400 m

FLIGHT PATH NAVIGATION : SERCEL NDS100 Real time UHF Differential  
 GPS system with SINGER KEARFOTT AN/ASN 128  
 Doppler system with SPERRY C12 compass and  
 VGI4 vertical gyro  
 Xf coordinates computed from WGS84 lat/long  
 coordinates recorded by SERCEL NDS100 Real  
 time UHF Differential GPS system

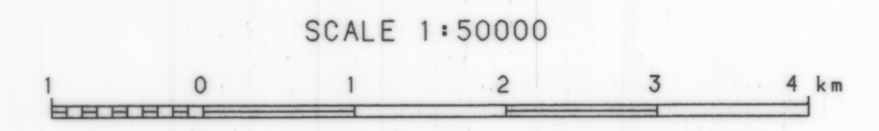
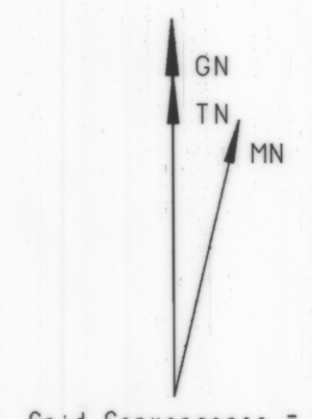
**RESIDUAL MAGNETIC PROFILES**

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 : 51672 nT (at 41°00'00S, 147°20'00E)  
 Inclination : 71 degrees S  
 Declination : 13.5 degrees E  
 Vertical Scale : 200 nT/cm  
 Base Value : 2000 nT



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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 EW LINES**  
**RESIDUAL MAGNETIC PROFILES**  
**LAUNCESTON SK55-4**  
**SHEET 2 OF 5**

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 CHECKED : MS      DATE : 27-JAN-1994