

**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 = 33.45 kV  
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  
Transverse lines 400 m  
Line lines 400 m

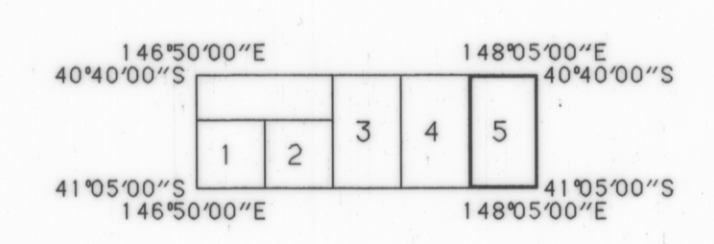
FLIGHT PATH NAVIGATION \* SERCEL NDS100 Real time UHF Differential  
GPS system with SINGER KEARFOTT AN/ASN 128  
Doppler system with SPERRY 312 compass and  
VG14 vertical gyro

FLIGHT PATH RECORD \* XY coordinates computed from WGS84 lat/long  
coordinates recorded by SERCEL NDS100 Real  
time UHF Differential GPS system

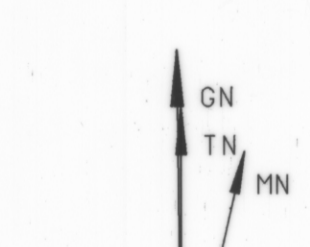
**RESIDUAL MAGNETIC PROFILES**

Grid notation refers to Australian Map Grid Zone 55  
Magnetic \* Diurnal removed, the line levelled  
IGRF \* 1990 model (updated for secular  
variation to November 1993) removed.

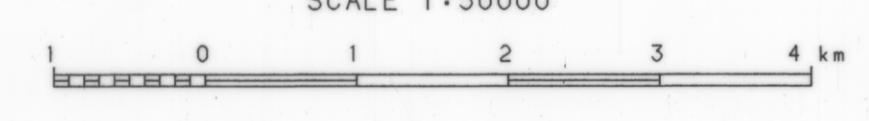
Total Field \* 61872 nT (at 4100000S, 14720000E)  
Inclination \* 71 degrees S  
Declination \* 13.5 degrees E  
Vertical Scale \* 200 nT/cm  
Base Value \* 2000 nT



CROWN COPYRIGHT RESERVED



Grid Convergence = -0.63'  
Declination = 13.50'



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 PROFILES**

**LAUNCESTON SK55-4**

**SHEET 5 OF 5**

CREATED : MP      DRAWING NO :  
CHECKED : HS      DATE : 27-JAN-1994