

AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER : Cesium Vapour optical absorption
Sensitivity : 0.001 nT
0.1 sec (approx 7 m sampling)
at mean ground speed of 250 km/hour

RECORDING INTERVAL : Nuclear Data 256 channel ADC
Volume : 33.6 litres
0.4 - 3.00 MeV

SPECTROMETER : POTASSIUM WINDOW : 1.35 - 1.57 MeV
URANIUM WINDOW : 1.83 - 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 : Canberra 860000 acquisition system
Digital to magnetic tape
Both detectors in aircraft at 80 m
Nominal Line Spacing : 400 m
Line Spacing : 400 m

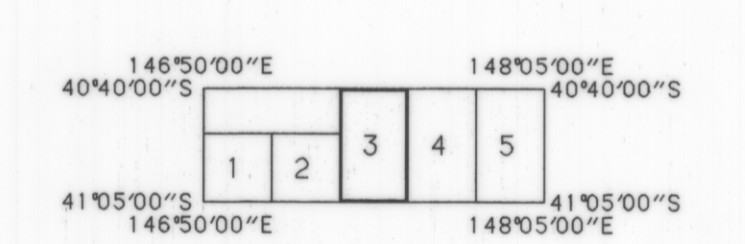
FLIGHT PATH NAVIGATION : SERCEL NDS100 Real Time UHF Differential
GPS system with SINGER KEARFOIT AN/ASB 128
Doppler system with SPERRY C12 compass and
Y24 vertical gyro

FLIGHT PATH RECORD : XT coordinates computed from NDS84 lat/long
coordinates recorded by SERCEL NDS100 Real
time UHF Differential GPS system

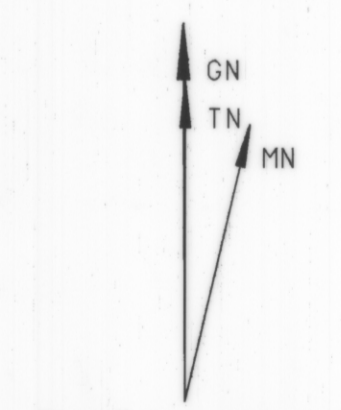
RESIDUAL MAGNETIC PROFILES

Grid notation refers to Australian Map Grid Zone 55
Magnetic : Diurnal removed, line levelled
IGRF : 1990 model updated for angular
variation to November 1993 removed,
datum 2000 m asl added

Total Field : 51075 nT (at 4100000N, 14720000E)
Declination : 71 degrees S
Dip : 13.5 degrees E
Vertical Scale : 200 nT/m
Base Value : 2000 nT



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Grid Convergence = -0.30'
Declination = 13.50'
SCALE 1:50000

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 3 OF 5

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