

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 : 33.5 litres

TOTAL COUNT WINDOW : 0.4 - 3.00 MeV

POTASSIUM WINDOW : 1.35 - 1.37 MeV

URANIUM WINDOW : 1.63 - 1.89 MeV

THORIUM WINDOW : 2.42 - 2.52 MeV

RECORDING INTERVAL : 1.0 sec (approx 70 m sampling)
at mean ground speed of 250 km/hour

DATA RECORDING : Deterrex RADACS acquisition system
Digital to magnetic tape

NOMINAL TERRAIN CLEARANCE : Both detectors 10 m aircraft at 80 m
Digital to magnetic tape

NOMINAL LINE SPACING : Transverse lines 400 m
Line lines 400 m

FLIGHT PATH NAVIGATION : SERCEL NDS100 Real time UHF Differential
GPS system with SINGER KEARFOOT AN/ASN 128
Doppler system with SPERRY G12 compass and
VD14 vertical gyro

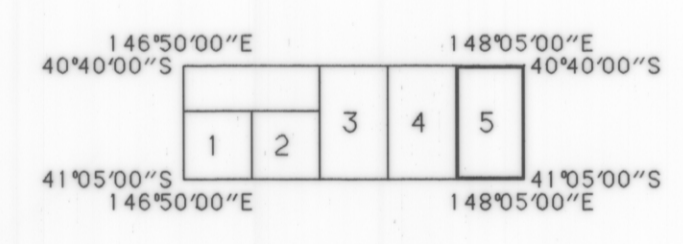
FLIGHT PATH RECORD : X,Y coordinates computed from WGS84 lat/long
coordinates recorded by SERCEL NDS100 Real
time UHF Differential GPS system

RESIDUAL MAGNETIC PROFILES

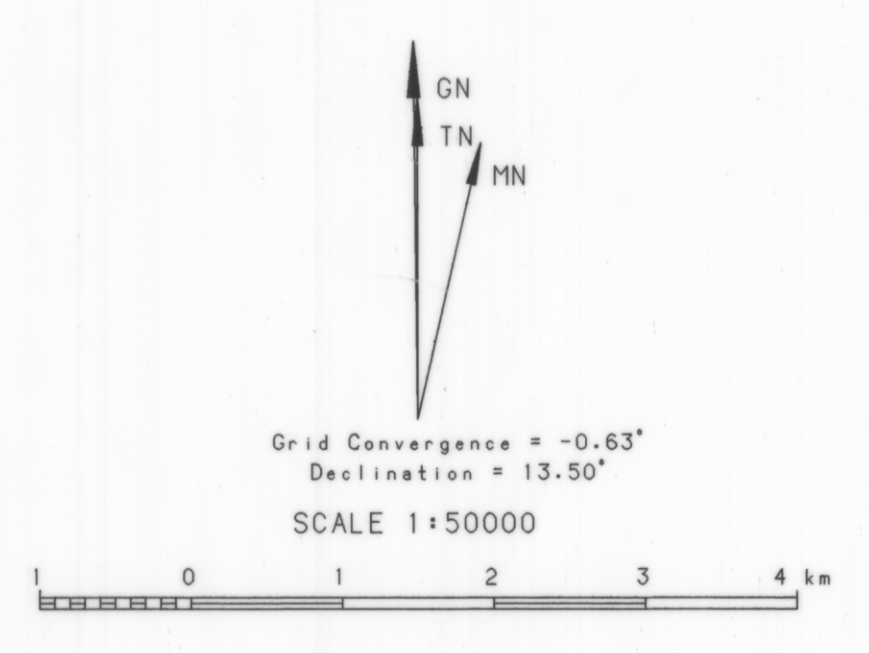
Grid notation refers to Australian Map Grid Zone 55

Magnetic : Digital removed, the line levelled
1990 model, updated for secular
variation to November 1993) removed,
datum 2000 m added

Total Field : 61672 nT (at 41°00'00\"/>



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

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

5483E

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