

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 200 km/hour

SPECTROMETER * Nuclear Data 256 channel ADC
Volume: 33.6 litres

TOTAL COUNT WINDOW * 0-3 - 3.00 MeV
POTASSIUM WINDOW * 1.35 - 1.57 MeV
URANIUM WINDOW * 1.63 - 1.89 MeV
THORIUM WINDOW * 2.40 - 2.92 MeV

RECORDING INTERVAL * 1.0 sec (approx 70 m sampling)
at mean ground speed of 200 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
Traverse lines 400 m

FLIGHT PATH NAVIGATION * SERCEL NDS100 Real time UHF Differential
GPS system with SINGER KEARFOOT AN/ASN 128
Doppler system with SPERRY GIC compass and
VG14 vertical gyra

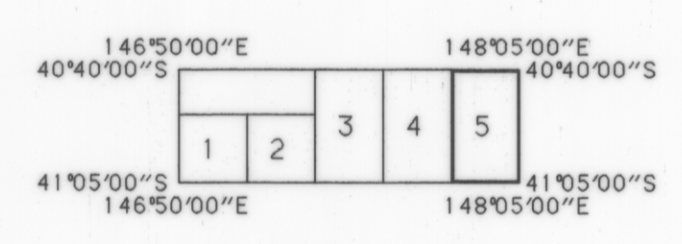
FLIGHT PATH RECORD * X,Y coordinates computed from NDS84 lat/long
coordinates recorded by SERCEL NDS100 Real
time UHF Differential GPS system

TOTAL COUNT CONTOURS

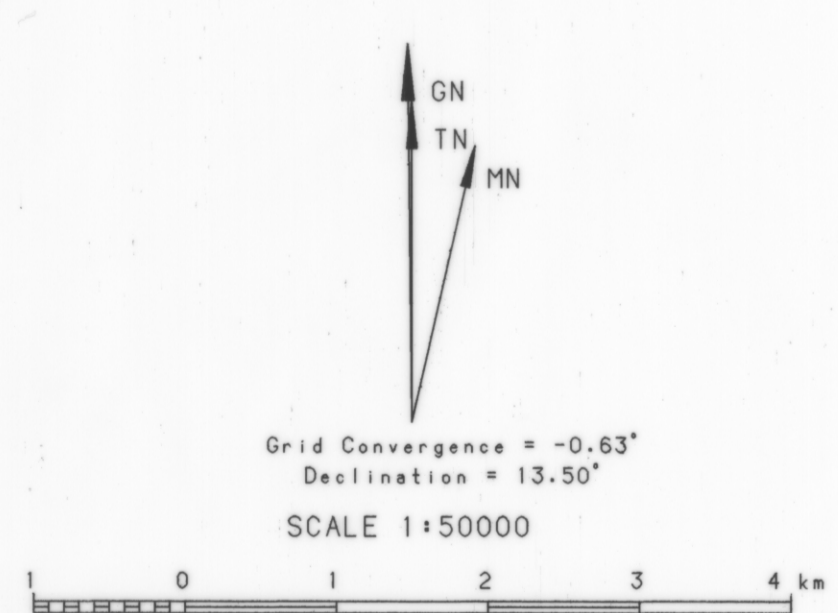
Grid notation refers to Australian Map Grid Zone 55
Radiometrics * Cosmic and aircraft background
removed
Live time corrected
Temperature corrected
Compton corrected
Alpha - 0.415
Beta - 0.385
Gamma - 0.635
Height attenuated to 80 metres
mean terrain clearance

Total Count - 0.00617/metre
Potassium Count - 0.00758/metre
Uranium Count - 0.00585/metre
Thorium Count - 0.00655/metre
Alpha - 0.00665/metre

Grid mesh size * 50 x 50 metres
Grid filter * None
Contour interval * 250 and 1000 mps



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Surveyed by GEOTERREX PTY LTD, November 1993
Compiled by GEOTERREX PTY LTD, SYDNEY
Processed by GEOTERREX PTY LTD, SYDNEY

MINERAL RESOURCES TASMANIA
WEYMOUTH-TOMAHAWK ALL LINES
TOTAL COUNT CONTOURS
LAUNCESTON SK55-4
SHEET 5 OF 5

CREATED: JHP
CHECKED: MS

DRAWING NO:
DATE: 31-JAN-1994

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