

**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  
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 MADAOS 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 REARFITT AN/ASN 128  
Doppler system with SPERRY C12 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

**TOTAL COUNT CONTOURS**

Grid notation refers to Australian Map Grid Zone 55

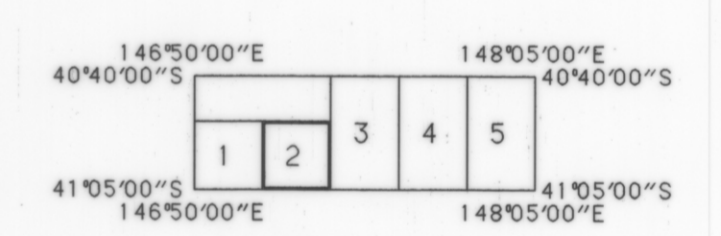
**Radiometrics :** Cosmic and aircraft background  
removed  
Live time corrected  
Temperature corrected  
Compton corrected

Alpha - 0.419  
Beta - 0.385  
Gamma - 0.693

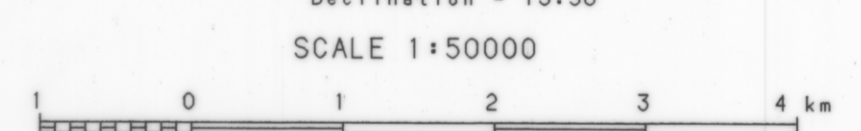
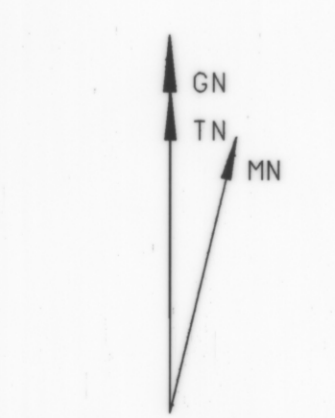
Height attenuated to 80 metres  
mean terrain clearance

Total Count - 0.00617/metre  
Potassium Count - 0.00759/metre  
Uranium Count - 0.00585/metre  
Thorium Count - 0.00659/metre  
Alpha - 0.00065/metre

Grid mesh size : 50 x 50 metres  
Grid filter : None  
Contour interval : 50, 250 and 1000 cps



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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 ALL LINES**

**TOTAL COUNT CONTOURS**

**LAUNCESTON SK55-4**

**SHEET 2 OF 5**

CREATED : MP      DRAWING NO :  
CHECKED : HS      DATE : 31-JAN-1994