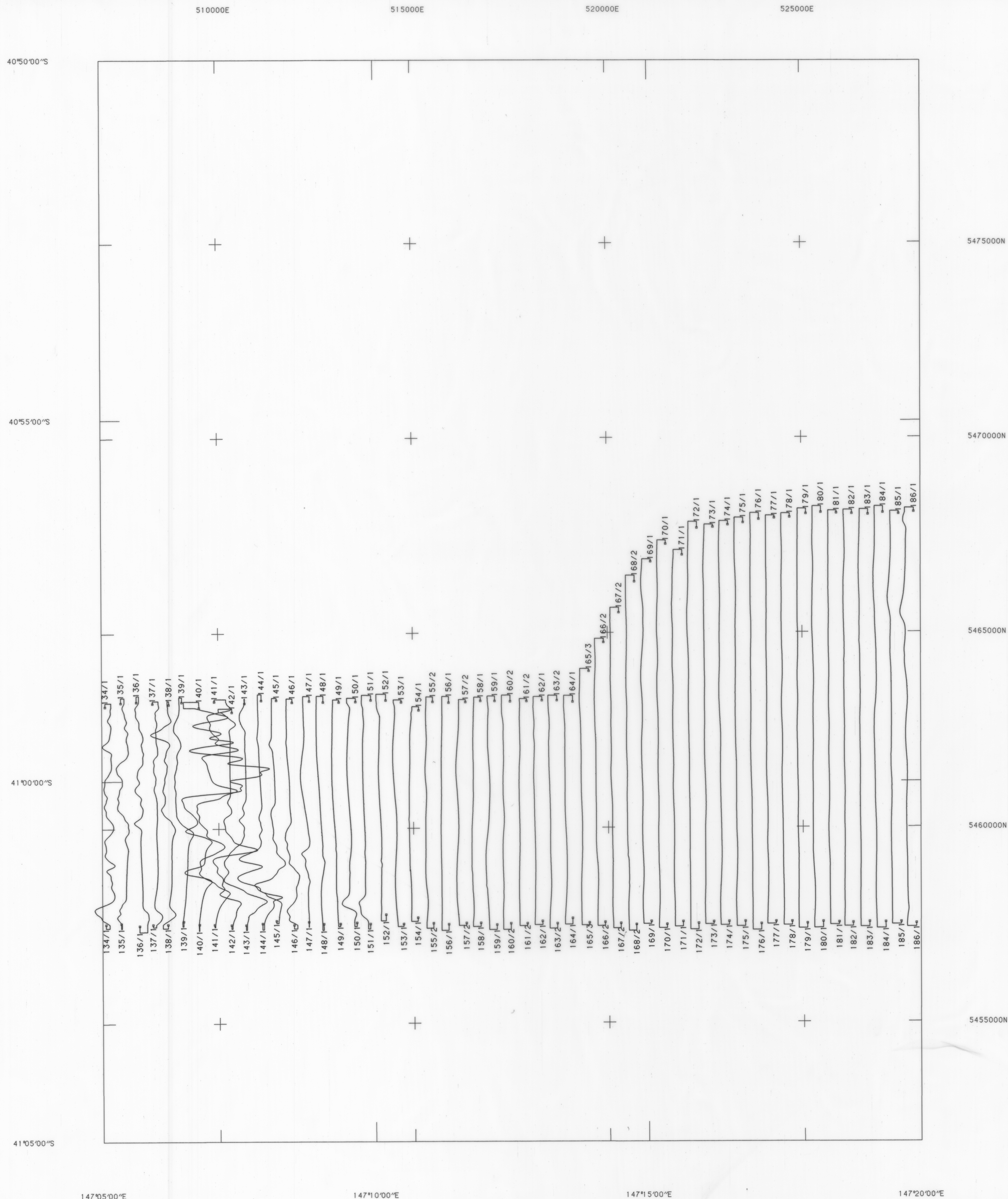


5 cm



AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER : Cesium 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 MADACS acquisition system
Digital to magnetic tape
NOMINAL TERRAIN CLEARANCE : Both detectors in aircraft at 80 m
NOMINAL LINE SPACING : 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 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

5475000N

RESIDUAL MAGNETIC PROFILES

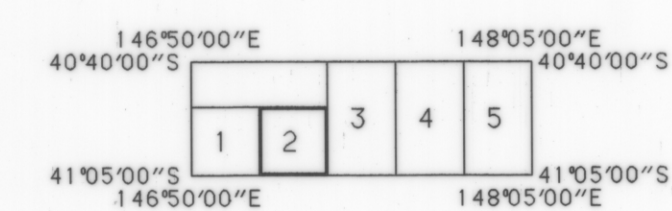
Grid notation refers to Australian Map Grid Zone 55
Magnetics : Diurnal removed, tie line levelled
IGRF : 1990 model (updated for secular
variation to November 1993) removed,
datum 2000 nT added
Total Field : 61672 nT (at 41°00'00S, 147°20'00E)
Inclination : 71 degrees S
Declination : 13.5 degrees E
Vertical Scale : 200 nT/cm
Base Value : 2000 nT

5470000N

5465000N

5460000N

5455000N

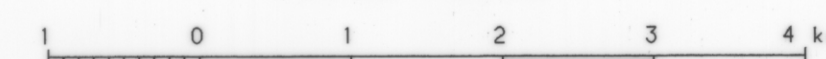


CROWN COPYRIGHT RESERVED



Grid Convergence = -0.14'
Declination = 13.50'

SCALE 1:50000



JOB NO : 1-451
Surveyed by GEOTREX PTY LTD : November 1993
Compiled by GEOTREX PTY LTD, SYDNEY
Processed by GEOTREX PTY LTD, SYDNEY

MINERAL RESOURCES TASMANIA
WEYMOUTH-TOMAHAWK NS LINES
RESIDUAL MAGNETIC PROFILES
LAUNCESTON SK55-4
SHEET 2 OF 5

5487B

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