

5 cm

550000E 555000E 560000E 565000E 570000E

40°40'00"S

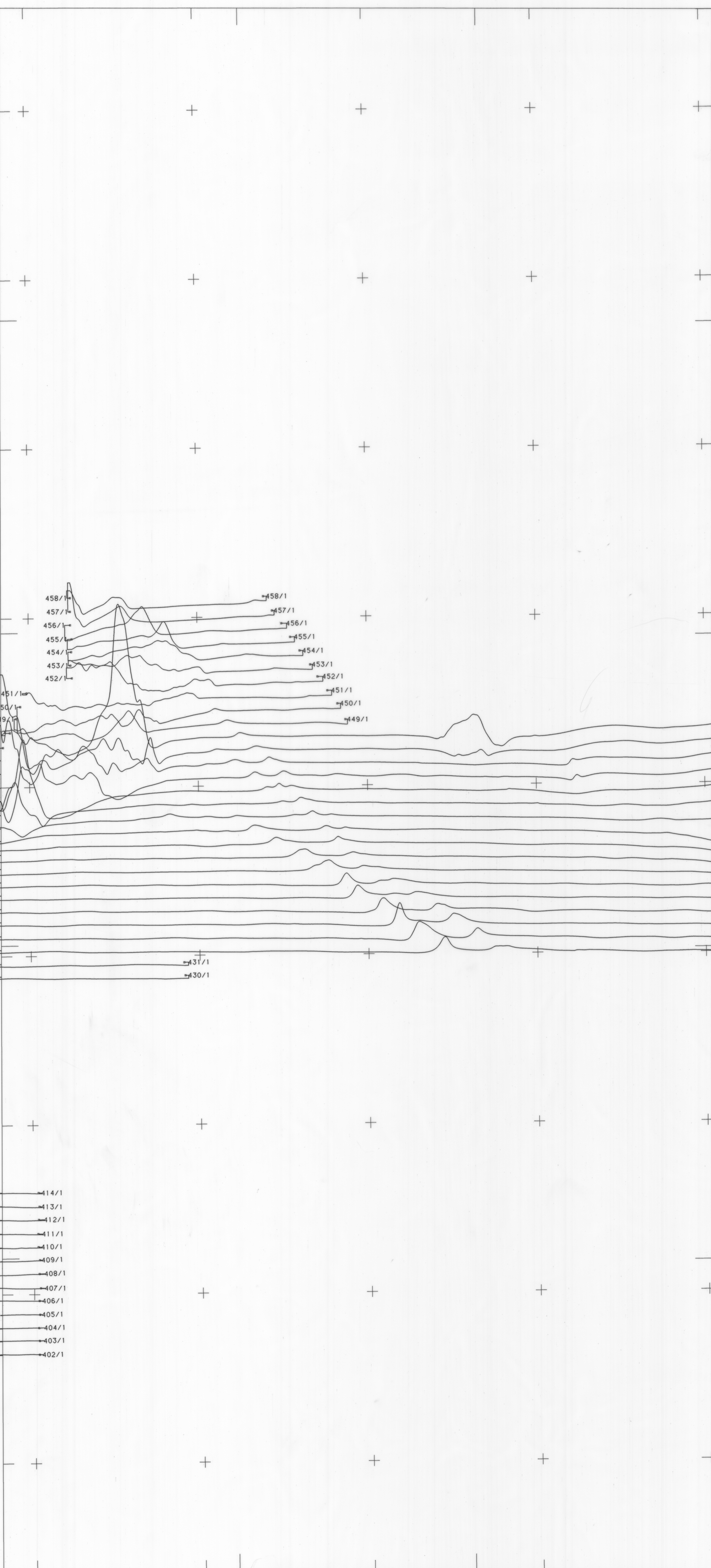
40°45'00"S

40°50'00"S

40°55'00"S

41°00'00"S

41°05'00"S

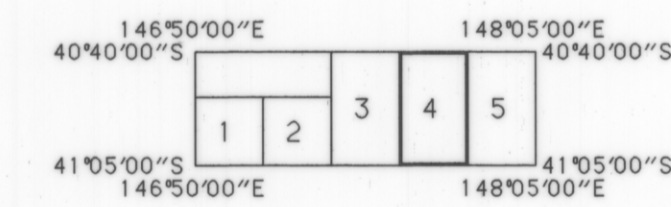


AIRBORNE SURVEY SPECIFICATIONS

MAGNETOMETER * Caesium Vapour optical absorption
Sensitivity * 0.200 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 * 55.5 Volts
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
Digital system with SPERRY 012 compass and
VG4 vertical gyro
FLIGHT PATH RECORD * RT 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 * Diurnal removed, the line levelled
IGRF * 1990 model (updated for secular
variation to November 1993) removed,
datum 2000 at 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



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SCALE 1:50000

JOB NO * I-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 4 OF 5

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

147°35'00"E 147°40'00"E 147°45'00"E 147°50'00"E