MOUNT MAGNET — KIRKALOCKA — CHALLA

DEPARTMENT OF MINERALS AND ENERGY

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

1: 100 000

AIRBORNE SURVEY SPECIFICATIONS

AIRCRAFT	CESSNA STATIONAIR 206G.
MAGNETOMETER	SCINTREX V201 SPLIT BEAM CESIUM VAPOUR RESOLUTION: 0.01 nano Tesla. CYCLE RATE: 0.3 seconds. SAMPLE INTERVAL: 17 metres.
SPECTROMETER	GEOMETRICS EXPLORANIUM GR800B. Channels Total Count 0.40 - 3.03 MeV K 40 1.37 - 1.56 MeV Bi 214 1.67 - 1.86 MeV Tl 208 2.41 - 2.80 MeV Cosmic 3.02 - 6.00 MeV VOLUME: 16.78 litres. CYCLE RATE: 1.2 seconds. SAMPLE INTERVAL: 68 metres.
DATA AQUISITION	HEWLETT PACKARD 9825 COMPUTER. AERODATA DIGITAL ACQUISITION SYSTEM.
FLIGHT LINE SPACING	Traverse lines:200 metres. Tie lines: 2000 metres.
FLIGHT LINE DIRECTION	Traverse lines:090-270 degrees. Tie lines: 000-180 degrees.
SURVEY HEIGHT	60 metres - mean terrain clearance.

REFERENCE

CONTOUR INTERVAL 25 nano Teslas

The magnetic data has had the gradient due to the I.G.R.F models 1980 and 1985 and secular variation models 1980-1985 and 1985-1990 removed and has been adjusted for diurnal variation to a constant base value.

Data has been corrected for system parallax

SURVEYED AND COMPILED BY AERODATA HOLDINGS LTD 1985-87

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INDEX TO ADJOINING SHEETS

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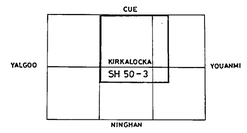
EDAH 2341	MOUNT MAGNET 2441	CHALLA 2541
THUNDELARRA 2340	KIRKALOCKA 2440	COOLAMANNIA 2540

1:250 000 SHEET INDEX



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Aerodata
AIRBORNE GEOPHYSICAL SURVEYS

SCALE 1:100 000

2000 1000 0 2 4 6 8 10
Metres Kilometres

ZONE 50 AUSTRALIAN MAP GRID

TOTAL FIELD MAGNETIC CONTOUR MAP

MOUNT MAGNET — KIRKALOCKA — CHALLA

2441 - 2440 - 2541