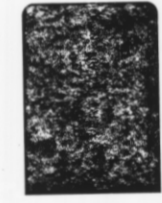


5162 D

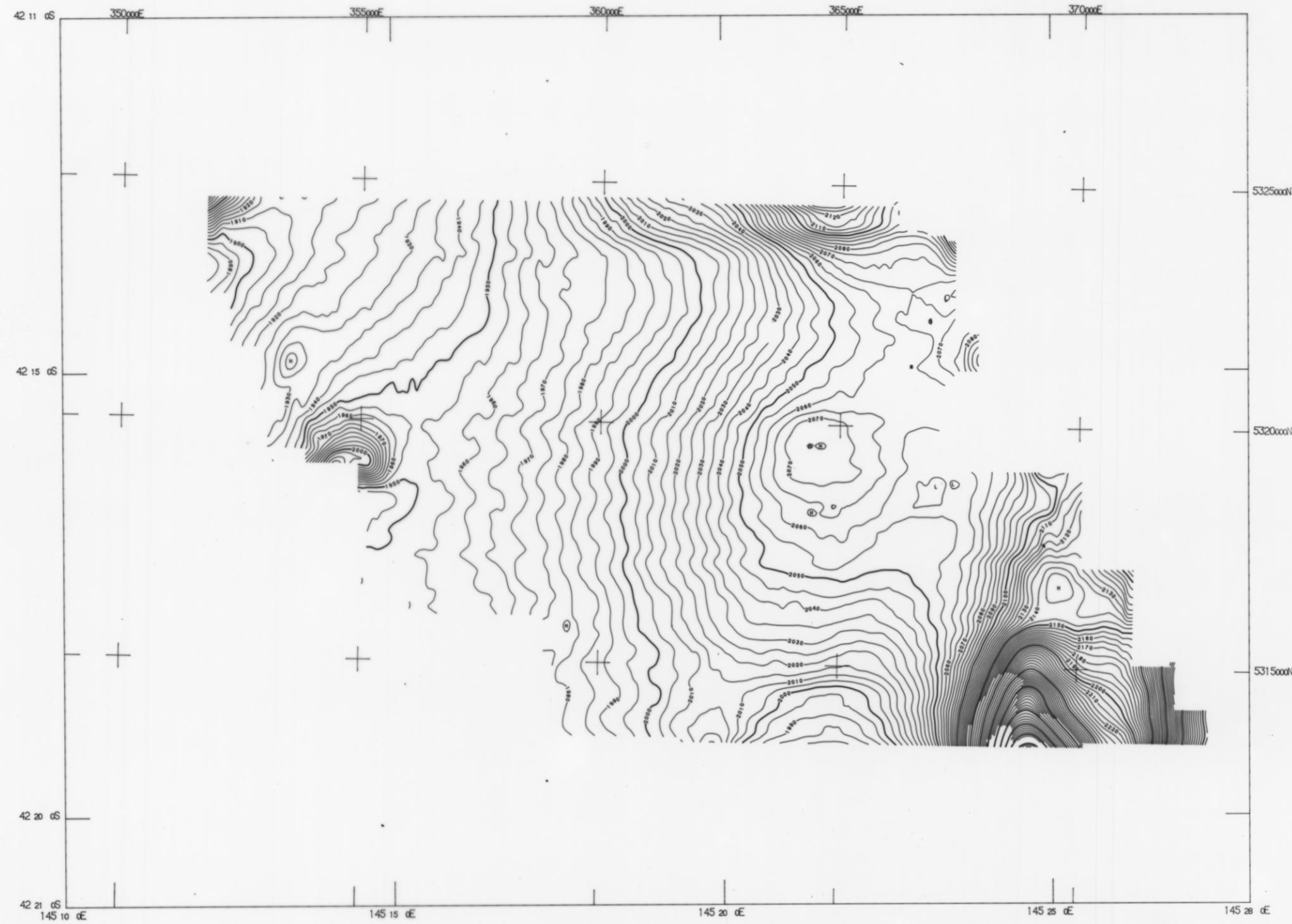
1:100,000

389

5162 D  
150,000



5 cm

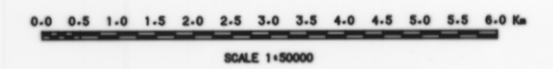


**AIRBORNE SURVEY SPECIFICATIONS**

MAGNETOMETER :	3 G-813 proton precession magnetometers in tail stinger and wing tips. Sensitivity ± 0.2 nT
RECORDING INTERVAL :	30m sampling
SPECTROMETER :	GR - 800 gamma ray spectrometer Volume : 16.8 litres
TOTAL COUNT WINDOW :	0.8 - 3.00 MeV
POTASSIUM WINDOW :	1.36 - 1.56 MeV
URANIUM WINDOW :	1.66 - 1.86 MeV
THORIUM WINDOW :	2.42 - 2.82 MeV
RECORDING INTERVAL :	60m sampling
DATA RECORDING :	Geometrics 714 acquisition system. Digital to magnetic tape.
NOMINAL TERRAIN CLEARANCE :	All detectors in aircraft at 150m.
NOMINAL LINE SPACING :	Traverse lines 500 metres. Tie lines 10 km.
FLIGHT PATH RECORD :	continuous tracking colour video.
FLIGHT LINE RECOVERY :	Visually to 1:60,000 enlarged photos and topographic maps

**RESIDUAL MAGNETIC CONTOURS**

**GRADIENT ENHANCED**  
 Grid notation refers to Australian Map Grid Zone 55  
 Digitised from colour photos at 1:8000  
 Magnetics : \*Gradient enhanced  
 \*from transverse gradient derived  
 \*from 3 total field sensors  
 IGRF (1980) : \*Updated to December 1985  
 IGRF (1960) : \*Removed. Datum 2000 nT added  
 Grid mesh size : 100 x 100 metres  
 Grid filter : \*Polynomial, radius 150 metres  
 Contour Interval : 5,10,50,100 and 250 nT



JOB NO : 9312  
 Flown by Geometrics International Corporation  
 November 1985  
 Processed by Engineering Computer Services, Borenal

TASMANIAN MINES DEPARTMENT

MACQUARIE HARBOUR  
 GRADIENT ENHANCED  
 RESIDUAL MAGNETIC CONTOURS

DATE: 17-MAR-86