

**SURVEY SPECIFICATIONS**

**AIRCRAFT**  
 WH-HIGH CESSNA 306 STATIONER II  
**MAGNETOMETER**  
 SPLIT BEAM CESSNA SONOTEC V2321  
 RESOLUTION 0.01 nanoTesla  
 CYCLE RATE 0.5 seconds  
 SAMPLE INTERVAL 20 metres

**DATA REDUCTION**  
 B CHANNEL WITTENBERG MC 3700 CHART RECORDER  
 HEWLETT PACKARD 9845 COMPUTER  
 HERBERT OPTICAL ACQUISITION SYSTEM

**FLIGHT LINE SPACING**  
 TRAVERSE LINES 2500 metres  
 TIE LINES 10000 metres

**FLIGHT LINE DIRECTION**  
 TRAVERSE LINES 90 - 270 degrees  
 TIE LINES 0 - 180 degrees

**SURVEY HEIGHT**  
 1500 metres - MEAN TERRAIN CLEARANCE

**NAVIGATION**  
 Using SYLDES 136 position fixing system

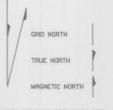
**SOUTHERN TASMANIA  
 AIRBORNE GEOPHYSICAL SURVEY**

**CONGA OIL PTY LTD.**  
 Surveyed and compiled by AUSTRAL MAP CRUISE  
 MARCH - JUNE 1987

**oustirex**  
**RESIDUAL MAGNETIC INTENSITY**

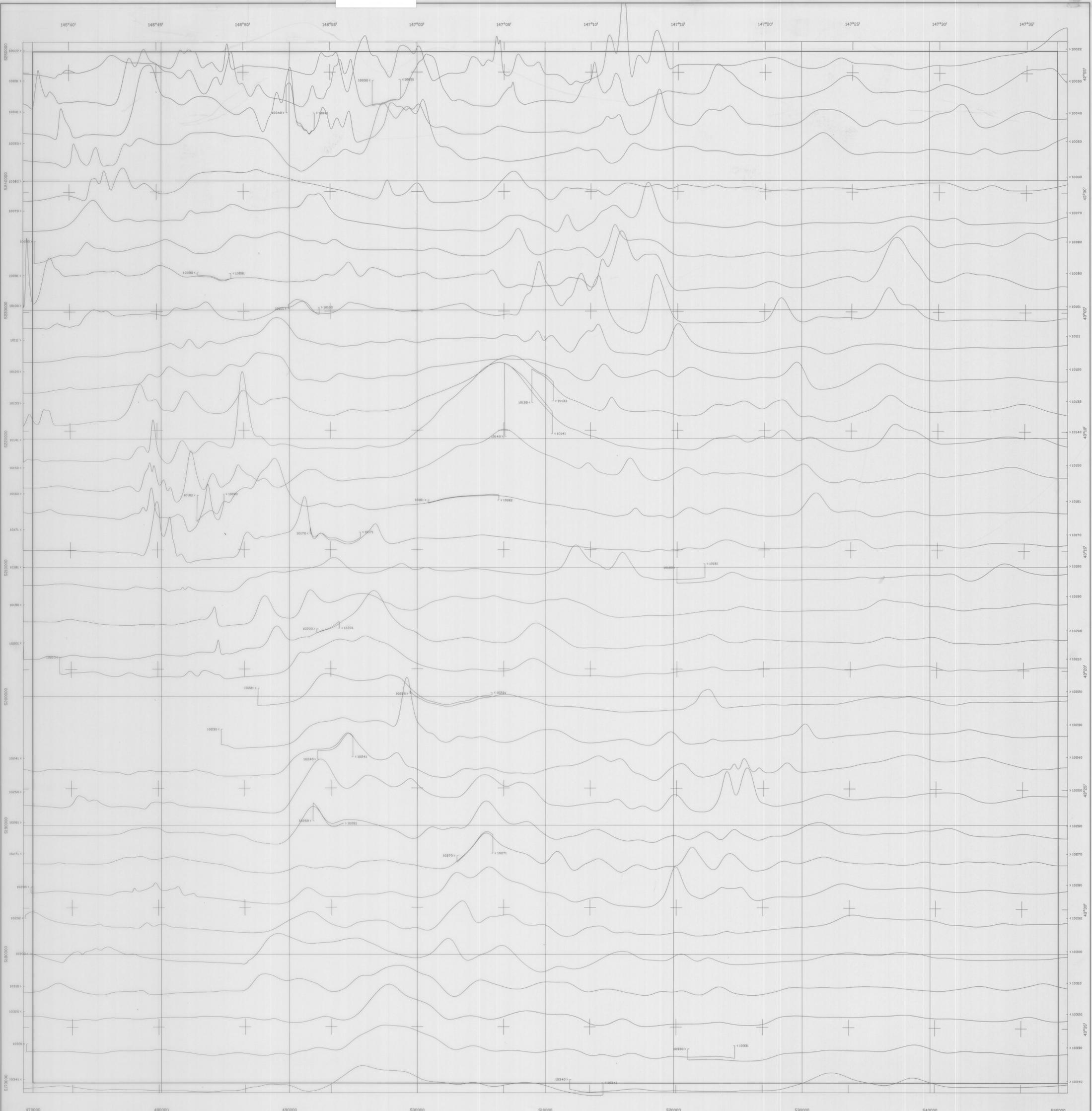
**DATA PROCESSING**  
 REGIONAL FIELD IGRF MODEL 1985 REMOVED  
 GRID CELL SIZE 750 metres  
 CONTOUR INTERVAL 5 nanoTesla

**ADJACENT SHEETS**



NORTH POLE RELATIONSHIPS ARE SHOWN FOR THE CENTRE OF THE MAP. MAGNETIC NORTH IS TRUE FOR 1980.  
 GRID-MAGNETIC ANGLE 10°30'00"  
 GRID CONVERGENCE 0°05'00" EAST  
 DECLINATION VARIATION 0°05'00" EAST PER YEAR





470000 480000 490000 500000 510000 520000 530000 540000 550000

### SOUTHERN TASMANIA AIRBORNE GEOPHYSICAL SURVEY

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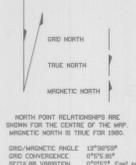
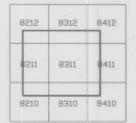
**austrix**  
STACKED MAGNETIC PROFILES

DATA PROCESSING:  
REGIONAL FIELD 10% MODEL 1985 REMOVED  
PROFILE BASE 0 nanotesla  
VERTICAL SCALE 100 nanotesla/cm

#### SURVEY SPECIFICATIONS

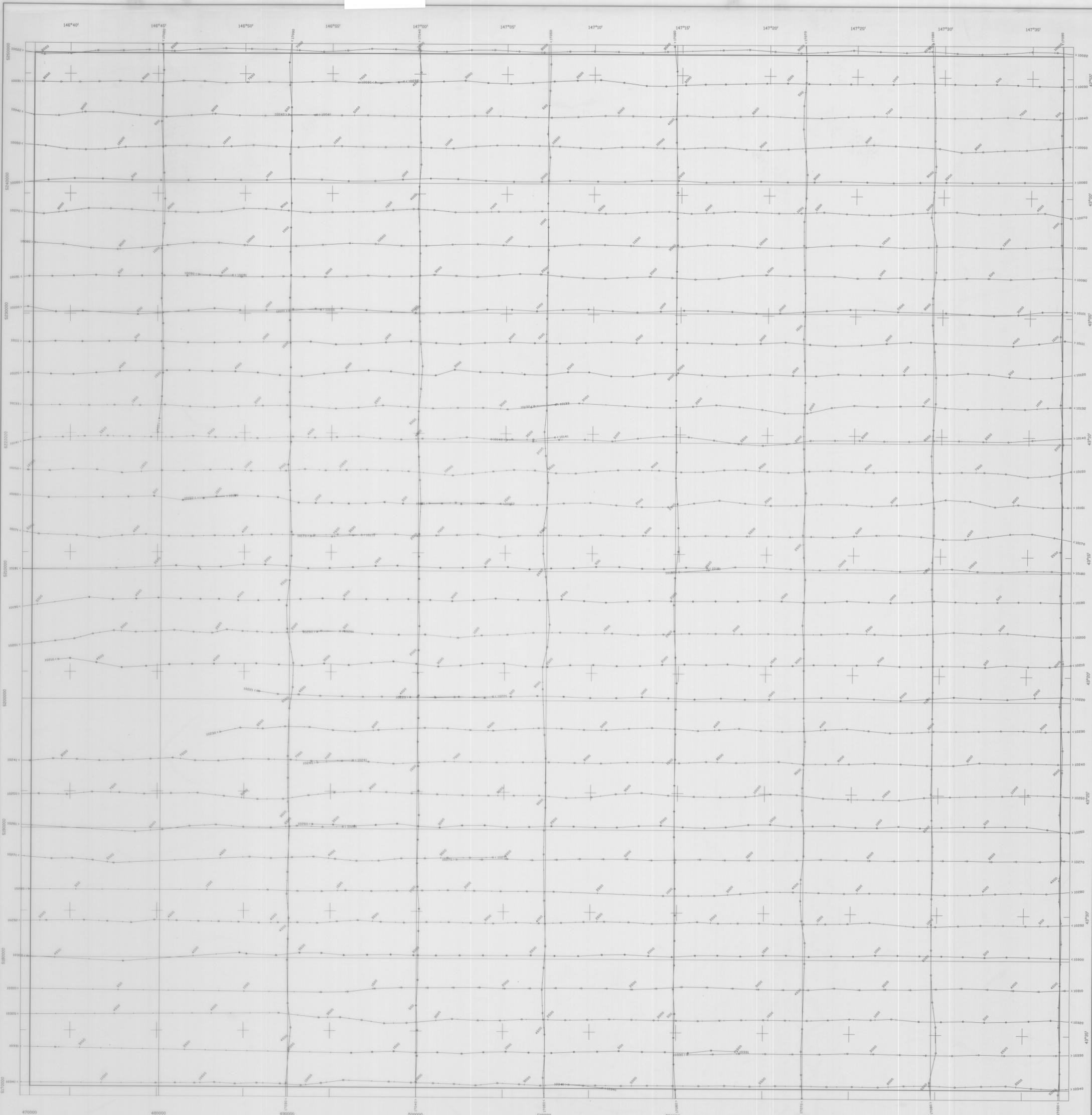
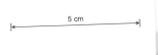
AIRCRAFT  
VH-RCH CESSNA 580 STATIONER II  
MAGNETOMETER  
SPLIT BEAM CESM SCINTREX V23S  
RESOLUTION 0.05 nanotesla  
CYCLE RATE 0.3 seconds  
SAMPLE INTERVAL 20 metres  
DATA ACQUISITION  
8 CHANNEL WATWARR MC 5700 CHART RECORDER  
HEWLETT PACKARD 9845 COMPUTER  
PERODATA DIGITAL ACQUISITION SYSTEM  
FLIGHT LINE SPACING  
TRANSVERSE LINES 2500 metres  
TRaverse LINES 10000 metres  
FLIGHT LINE DIRECTION  
TRANSVERSE LINES 90 - 270 degrees  
TRaverse LINES 0 - 180 degrees  
SURVEY HEIGHT  
1000 metres - MEAN TERRAIN CLEARANCE  
NAVIGATION  
Using SYLDES LRF positioning system

#### ADJACENT SHEETS



Scale 1:100 000

AUSTRALIAN MAP (S8)



**SURVEY SPECIFICATIONS**

**RECORD**  
WI-FM CESAR 205 STATIONER 1  
**MAGNETOMETER**  
SPLIT BEAM COSMOS CONTRIX V2321  
RESOLUTION 0.01 nanoTesla  
CYCLE RATE 0.2 seconds  
SAMPLE INTERVAL 20 metres

**DATA ACQUISITION**  
8 CHANNEL WATSONS 46 0700 CHART RECORDER  
HEWLETT PACKARD 9605 COMPUTER  
RECORDING DIGITAL RECORDING SYSTEM  
**FLIGHT LINE SPACING**  
TRAVERSE LINES 2500 metres  
TE LINES 10000 metres  
**FLIGHT LINE DIRECTION**  
TRAVERSE LINES 90 - 270 degrees  
TE LINES 0 - 180 degrees  
**SURVEY HEIGHT**  
1000 metres - MEAN TERRAIN CLEARANCE  
NAVIGATOR

Using GPS 1200 12R positioning system

**SOUTHERN TASMANIA  
AIRBORNE GEOPHYSICAL SURVEY**

**CONGA OIL PTY LTD.**  
Surveyed and compiled by **AUSTIREX INTERNATIONAL LIMITED**  
MARCH - JUNE 1987

**austirex**  
**FLIGHT PATH**

**LEGEND**  
- Receiving point  
- 1000 Fathoms interval  
- 500 Fathoms interval

