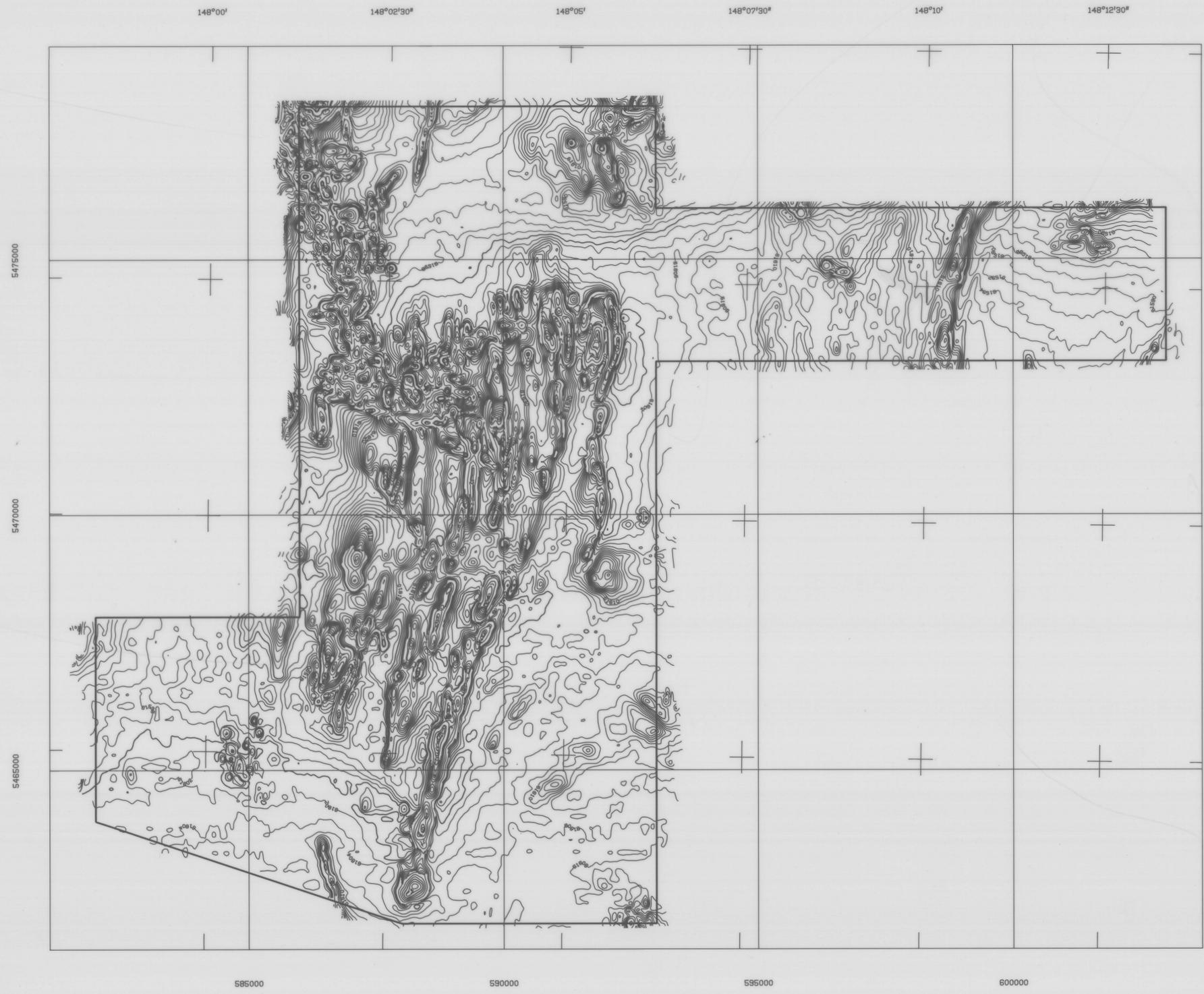


# AIRBORNE GEOPHYSICAL SURVEY EL 34/86 TASMANIA

PLACECO AUSTRALIA PTY LTD.  
Surveyed and compiled by FUSTREX INTERNATIONAL LIMITED  
JUNE - AUGUST 1987

**fustrex**



## SURVEY SPECIFICATIONS

**AIRCRAFT**  
VH-CP2 CESSNA 206G STATIONAIR II

**MAGNETOMETER**  
SPLIT BEAM CESIUM SCINTREX V201  
RESOLUTION 0.04 nanoTesla  
CYCLE RATE 0.2 seconds  
SAMPLE INTERVAL 11 metres

**SPECTROMETER**  
GEOMETRICS EXPLORANUM GR800B  
VOLUME 16.78 litres  
CYCLE RATE 0.8 seconds  
SAMPLE INTERVAL 44 metres

**DATA ACQUISITION**  
8 CHANNEL WATANABE MC 8700 CHART RECORDER  
HEWLETT PACKARD 9825 COMPUTER  
AERODATA DIGITAL ACQUISITION SYSTEM

**FLIGHT LINE SPACING**  
TRAVERSE LINES 125 metres  
TIE LINES 1000 metres

**FLIGHT LINE DIRECTION**  
TRAVERSE LINES 090 - 270 degrees  
TIE LINES 000 - 180 degrees

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

**NAVIGATION**  
VISUAL FROM PLANNED FLIGHT STRIPS  
FLIGHT PATH RECOVERY  
ONTO A.M.G. CONTROLLED RECOVERY PHOTOS

## TOTAL FIELD MAGNETIC CONTOUR MAP

**DATA PROCESSING**  
REGIONAL FIELD THE EFFECT OF THE IGRF MODEL  
1965 HAS BEEN REMOVED  
GRID CELL SIZE 40 metres  
CONTOUR INTERVAL 2 nanoTesla  
PARALLAX CORRECTION 3.00 fiducials

### ADJACENT SHEETS

|               |                |                |
|---------------|----------------|----------------|
| 8416<br>II-NE | 8516<br>III-NW | 8516<br>III-NE |
| 8416<br>II-SW | 8516<br>III-SW | 8516<br>III-SE |
| 8415<br>I-NE  | 8515<br>IV-NW  | 8515<br>IV-NE  |



88-2762

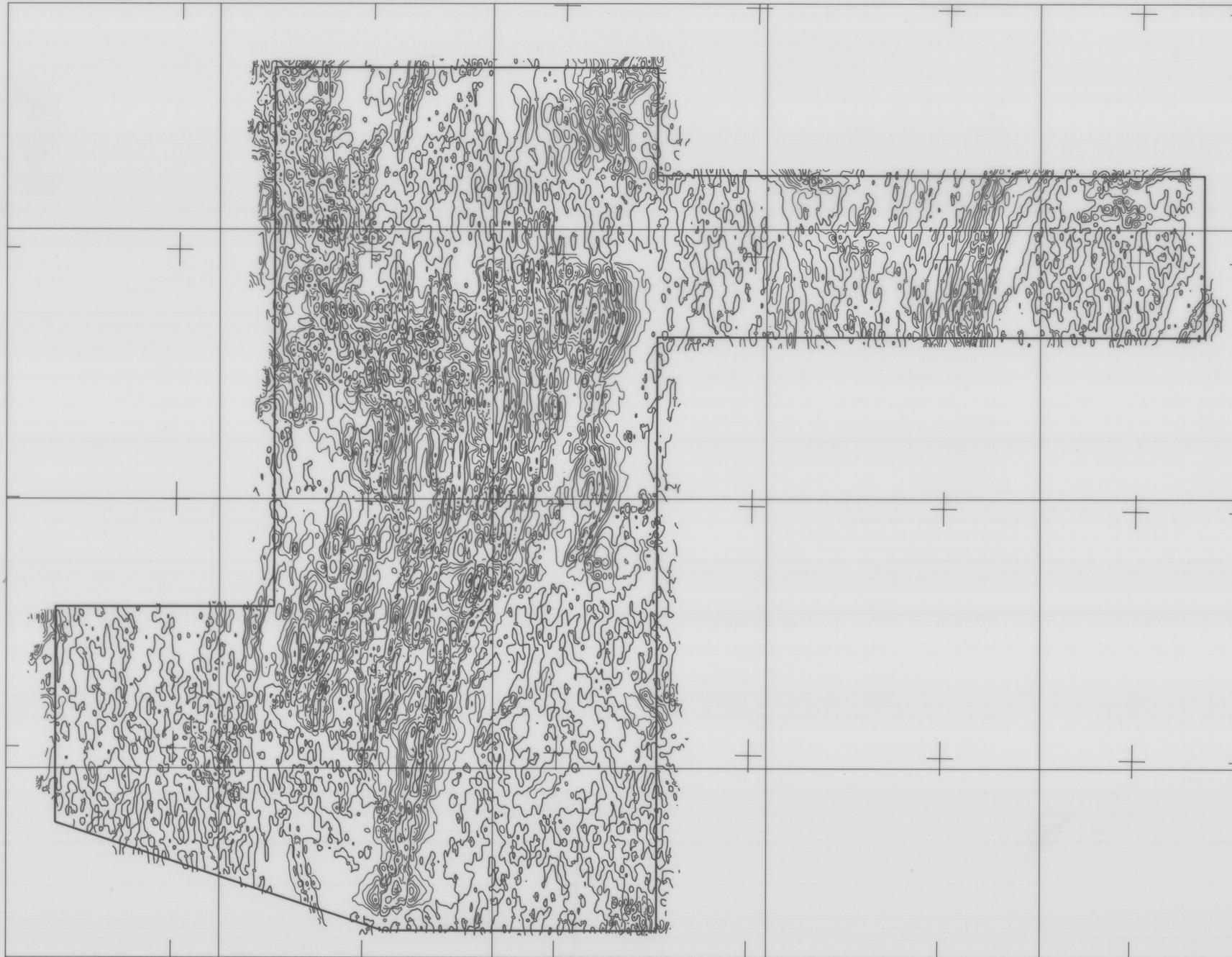
# AIRBORNE GEOPHYSICAL SURVEY EL 34/86 TASMANIA

PLACECO AUSTRALIA PTY LTD.  
Surveyed and compiled by AUSTREX INTERNATIONAL LIMITED  
JUNE - AUGUST 1987

**austirex**



148°00'      148°02'30"      148°05'      148°07'30"      148°10'      148°12'30"



5475000

5470000

5465000

40°50'

40°52'30"

40°55'

40°57'30"

585000      590000      595000      600000

## SURVEY SPECIFICATIONS

**AIRCRAFT**  
VH-CPZ CESSNA 206G STATIONAIR II

**MAGNETOMETER**  
SPLIT BEAM CESIUM SCINTREX V201  
RESOLUTION 0.04 nanoTesla  
CYCLE RATE 0.2 seconds  
SAMPLE INTERVAL 11 metres

**SPECTROMETER**  
GEOMETRICS EXPLORANUM GR800B  
VOLUME 16.78 litres  
CYCLE RATE 0.8 seconds  
SAMPLE INTERVAL 44 metres

**DATA ACQUISITION**  
8 CHANNEL WATANABE MC 6700 CHART RECORDER  
HEWLETT PACKARD 9825 COMPUTER  
AERODATA DIGITAL ACQUISITION SYSTEM

**FLIGHT LINE SPACING**  
TRAVERSE LINES 125 metres  
TIE LINES 1000 metres

**FLIGHT LINE DIRECTION**  
TRAVERSE LINES 090 - 270 degrees  
TIE LINES 000 - 180 degrees

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

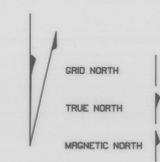
**NAVIGATION**  
VISUAL FROM PLANNED FLIGHT STRIPS  
FLIGHT PATH RECOVERY  
ONTO A.M.C. CONTROLLED RECOVERY PHOTOS

## VERTICAL MAGNETIC GRADIENT CONTOUR MAP

**DATA PROCESSING**  
GRID CELL SIZE 40 metres  
CONTOUR INTERVAL 0.25 nanoTeslas per metre  
PARALLAX CORRECTION 3.00 fiducials

### ADJACENT SHEETS

|               |                |                |
|---------------|----------------|----------------|
| 8416<br>II-NE | 8516<br>III-NW | 8616<br>III-NE |
| 8416<br>II-SW | 8516<br>III-SW | 8616<br>III-SE |
| 8415<br>I-NE  | 8515<br>IV-NW  | 8615<br>IV-NE  |



NORTH POINT RELATIONSHIPS ARE SHOWN FOR THE CENTRE OF THE MAP. MAGNETIC NORTH IS TRUE FOR 1980.

GRID/MAGNETIC ANGLE 12°34'34"  
GRID CONVERGENCE 0°43'41"  
SECULAR VARIATION 0°314' East per year

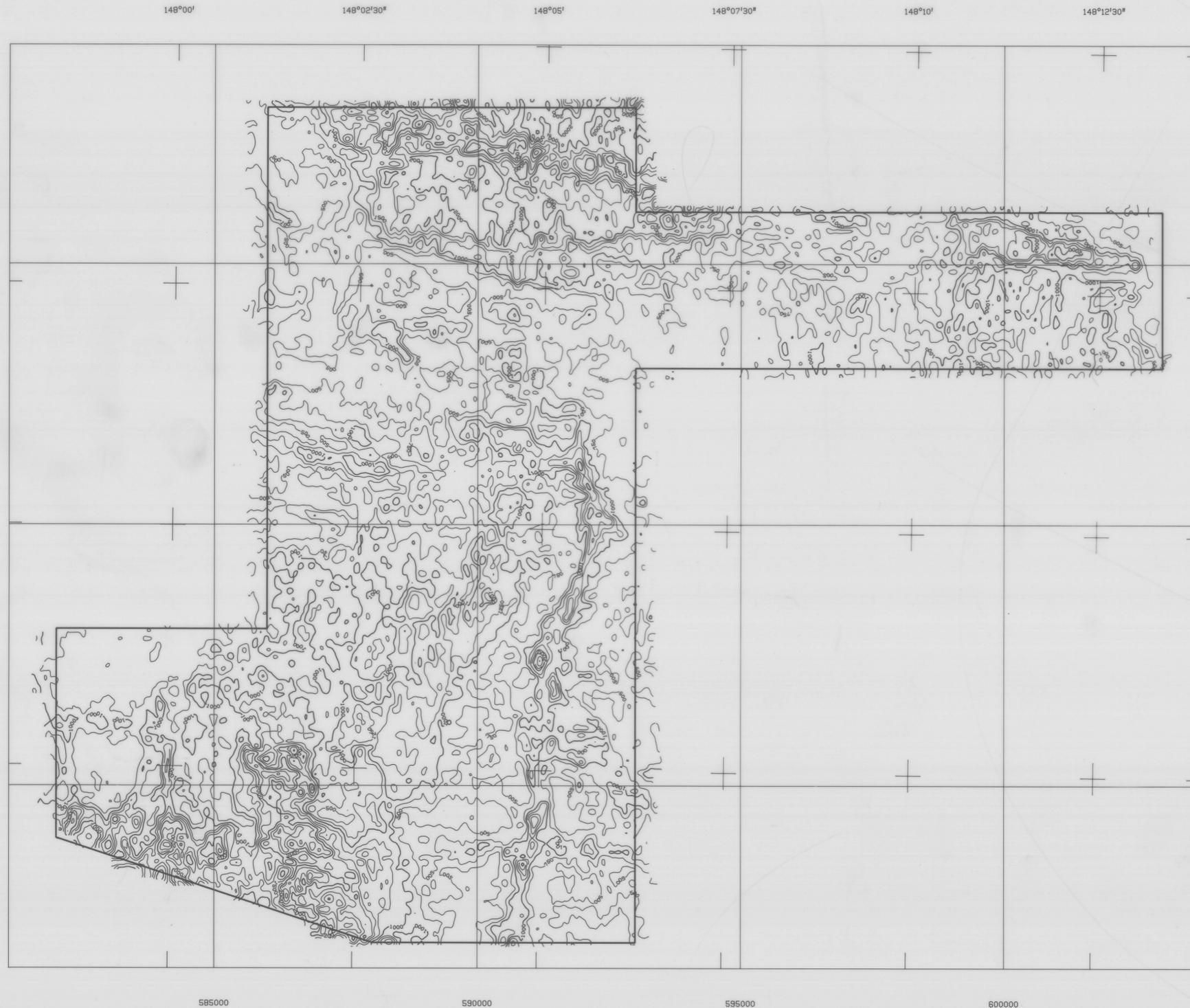


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# AIRBORNE GEOPHYSICAL SURVEY EL 34/86 TASMANIA

PLACECO AUSTRALIA PTY LTD.  
Surveyed and compiled by FUSTREX INTERNATIONAL LIMITED  
JUNE - AUGUST 1987

**ustirex**



## SURVEY SPECIFICATIONS

**AIRCRAFT**  
VH-CPZ CESSNA 206G STATIONAIR II

**MAGNETOMETER**  
SPLIT BEAM CESIUM SCINTREX V201  
RESOLUTION 0.04 nanoTesla  
CYCLE RATE 0.2 seconds  
SAMPLE INTERVAL 11 metres

**SPECTROMETER**  
GEMETRICS EXPLORANUM CR8008  
VOLUME 16.78 litres  
CYCLE RATE 0.8 seconds  
SAMPLE INTERVAL 44 metres

**DATA ACQUISITION**  
8 CHANNEL WATANABE MC 6700 CHART RECORDER  
HEWLETT PACKARD 9825 COMPUTER  
RECORDATA DIGITAL ACQUISITION SYSTEM

**FLIGHT LINE SPACING**  
TRAVERSE LINES 125 metres  
TIE LINES 1000 metres

**FLIGHT LINE DIRECTION**  
TRAVERSE LINES 090 - 270 degrees  
TIE LINES 000 - 180 degrees

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

**NAVIGATION**  
VISUAL FROM PLANNED FLIGHT STRIPS  
FLIGHT PATH RECOVERY  
ONTO A.M.S. CONTROLLED RECOVERY PHOTOS

## TOTAL COUNT CONTOUR MAP

**DATA PROCESSING**  
GRID CELL SIZE 40 metres  
CONTOUR INTERVAL 250 counts per second  
PARALLAX CORRECTION 3.00 fiducials

### ADJACENT SHEETS

|               |                |                |
|---------------|----------------|----------------|
| 8416<br>II-NE | 8516<br>III-NW | 8516<br>III-NE |
| 8416<br>II-SE | 8516<br>III-SW | 8516<br>III-SE |
| 8415<br>I-NE  | 8515<br>IV-NW  | 8515<br>IV-NE  |

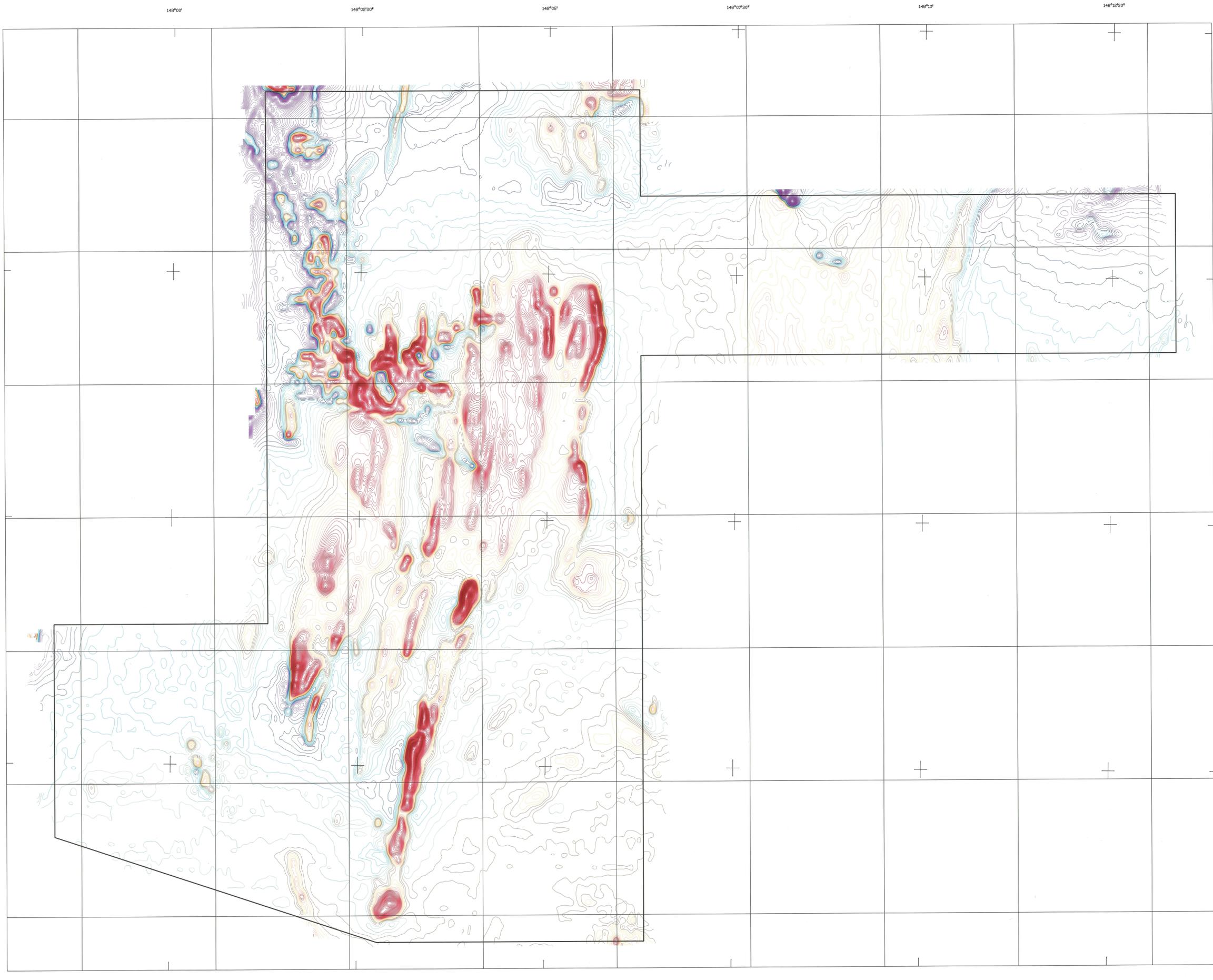


NORTH POINT RELATIONSHIPS ARE SHOWN FOR THE CENTRE OF THE MAP. MAGNETIC NORTH IS TRUE FOR 1980.

GRID/MAGNETIC ANGLE 12°34'34"  
GRID CONVERGENCE 0°43'7.41"  
SECLAR VARIATION 0°3'14" East per year



88-2762



**AIRBORNE GEOPHYSICAL SURVEY**  
**EL 34/86**  
**TASMANIA**  
 PLACECO AUSTRALIA PTY LTD.  
Surveyed and compiled by PLATTECK INTERNATIONAL LIMITED  
 24.42 - AUGUST 1987  
**Quintrex**

**SURVEY SPECIFICATIONS**

**AIRCRAFT**  
 VH-CFZ CESSNA 200C STATIONER II  
**MAGNETOMETER**  
 SPLIT BEAM CESSNA SCIENTEX V201  
 RESOLUTION 0.04 nanoTesla  
 CYCLE RATE 0.2 seconds  
 SAMPLE INTERVAL 11 metres  
**SPECTROMETER**  
 GEOMETRICAL EXPLORER CR800B  
 VOLUME 18.78 litres  
 CYCLE RATE 0.8 seconds  
 SAMPLE INTERVAL 44 metres  
**DATA COLLECTION**  
 8 CHANNEL WITWABRE MC 6700 CHART RECORDER  
 HEWLETT PACKARD 8855 COMPUTER  
 RECORDING SYSTEM  
**FLIGHT LINE SPACING**  
 TRAVERSE LINES 125 metres  
 TIE LINES 1000 metres  
**FLIGHT LINE DIRECTION**  
 TRAVERSE LINES 090 - 270 degrees  
 TIE LINES 000 - 180 degrees  
**SURVEY HEIGHT**  
 60 metres - MEAN TERRAIN CLEARANCE  
**NAVIGATION**  
 VISUAL FROM PLANNED FLIGHT STRIPS  
 FLIGHT PATH RECOVERY  
 OHTO P.M.C. CONTROLLED RECOVERY PHOTOS

**TOTAL FIELD MAGNETIC CONTOUR MAP**

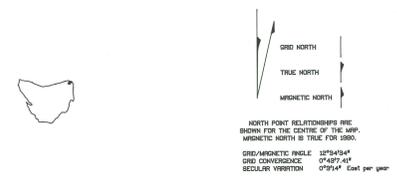
**DATA PROCESSING**  
 REGIONAL FIELD THE EFFECT OF THE ICFP MODEL  
 1985 HAS BEEN REMOVED  
 GRID CELL SIZE 40 metres  
 CONTOUR INTERVAL 2 nanoTesla  
 PARALLAX CORRECTION 3.00 fNanotesla

**COLOUR LEGEND**

|         |        |
|---------|--------|
| < 65888 | < 6582 |
| < 6584  | < 6528 |
| < 6500  | < 6584 |
| < 6508  | > 6584 |

**ADJACENT SHEETS**

|      |       |        |
|------|-------|--------|
| 0416 | 0516  | 0616   |
| I-NE | II-SW | III-NE |
| 0418 | 0516  | 0518   |
| I-S  | II-SW | III-SE |
| 0415 | 0515  | 0515   |
| I-NE | IV-NW | IV-NE  |



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148°00' 148°02'30" 148°05' 148°07'30" 148°10' 148°12'30"

**AIRBORNE GEOPHYSICAL SURVEY**  
**EL 34/86**  
**TASMANIA**  
**PLACECO AUSTRALIA PTY LTD.**  
 Surveyed and compiled by **AUSTREX INTERNATIONAL LIMITED**  
 JUNE - AUGUST 1987  
**austrex**

**SURVEY SPECIFICATIONS**

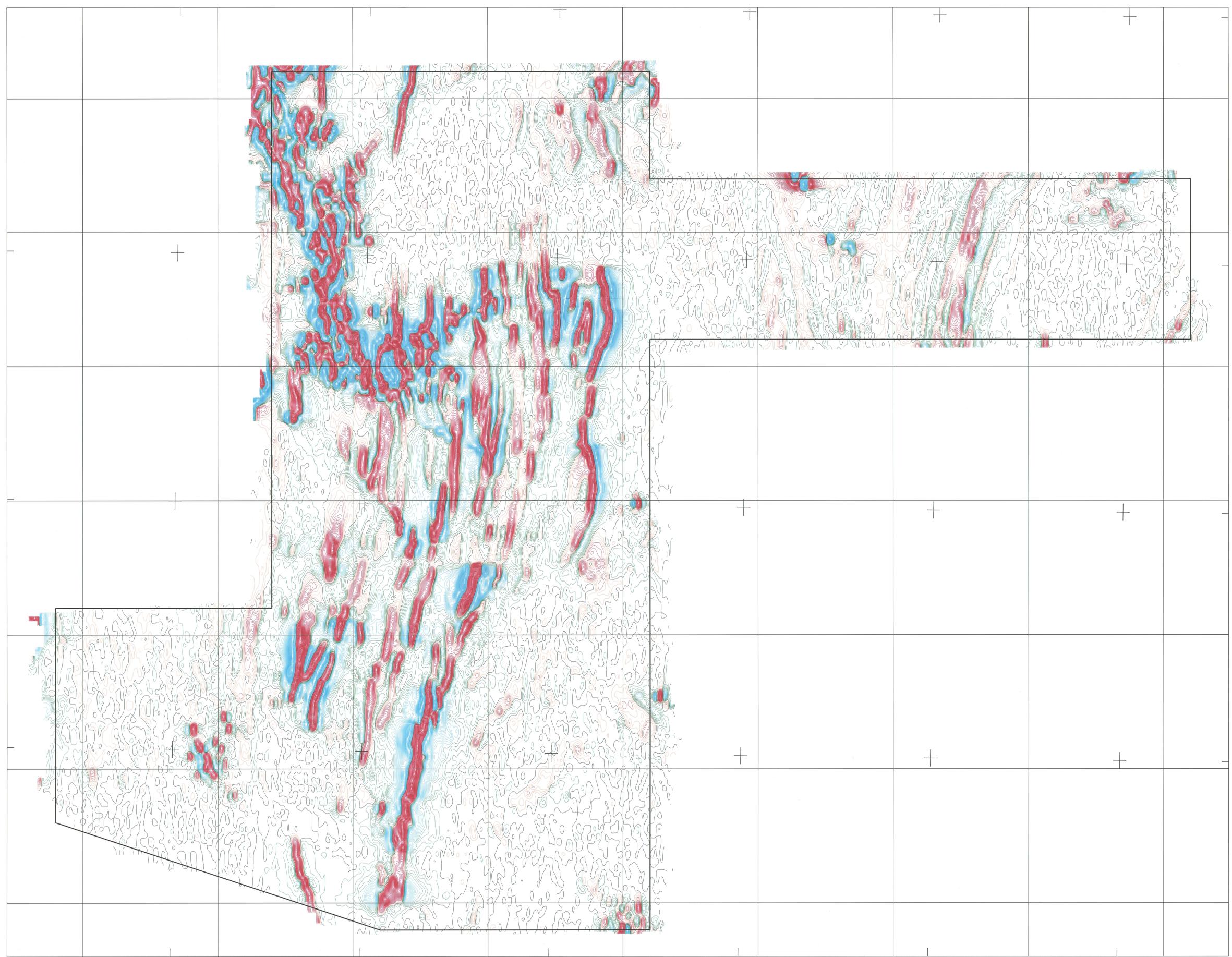
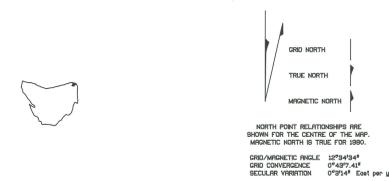
**AIRCRAFT**  
 VH-CPZ CESSNA 206C STATIONER 1  
**MAGNETOMETER**  
 SPLIT BEAM CESUM SCINTREX V201  
 RESOLUTION 0.04 nanoTesla  
 CYCLE RATE 0.5 seconds  
 SAMPLE INTERVAL 11 metres  
**SPECTROMETER**  
 GEOMETRIS EXPLORANUM GR800B  
 VOLUME 18.78 litres  
 CYCLE RATE 0.8 seconds  
 SAMPLE INTERVAL 44 metres  
**DATA ACQUISITION**  
 8 CHANNEL WYTRABE MC 6700 CHART RECORDER  
 HEWLETT PACKARD 8885 COMPUTER  
 RESEARCH DIGITAL POSITION SYSTEM  
**FLIGHT LINE SPACING**  
 TRANSVERSE LINES 100 metres  
 TIE LINES 1000 metres  
**FLIGHT LINE DIRECTION**  
 TRANSVERSE LINES 195 - 270 degrees  
 TIE LINES 000 - 180 degrees  
**SURVEY HEIGHT**  
 80 metres - MEAN TERRAIN CLEARANCE  
**NAVIGATION**  
 VISUAL FROM PLANNED FLIGHT STRIPS  
 FLIGHT PATH RECOVERY  
 ONTO R.M.G. CONTROLLED RECOVERY PHOTOS

**VERTICAL MAGNETIC GRADIENT CONTOUR MAP**

**DATA PROCESSING**  
 GRID CELL SIZE 40 metres  
 CONTOUR INTERVAL 0.05 nanoTesla per metre  
 PARALLAX CORRECTION 3.00 fidsocles  
**COLOUR LEGEND**  
 < -0.08 nT/m  
 < 0.00 nT/m  
 < 0.04 nT/m  
 < 0.04 nT/m  
 >= 0.04 nT/m

**ADJACENT SHEETS**

|               |                |                |
|---------------|----------------|----------------|
| B416<br>I-NE  | B516<br>II-NW  | B616<br>III-NE |
| B416<br>II-SE | B516<br>III-SW | B616<br>IV-SE  |
| B415<br>I-NE  | B515<br>IV-NW  | B515<br>IV-NE  |



587500  
587500  
587500  
587500  
587500  
587500  
587500  
587500  
587500  
587500

582500 585000 587500 590000 592500 595000 597500 600000 602500

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**AIRBORNE GEOPHYSICAL SURVEY**

**EL 34/86**

**TASMANIA**

**PLACECO AUSTRALIA PTY LTD.**

Surveyed and compiled by PLACETREX INTERNATIONAL LIMITED  
JUNE - AUGUST 1987

**airtrex**

**SURVEY SPECIFICATIONS**

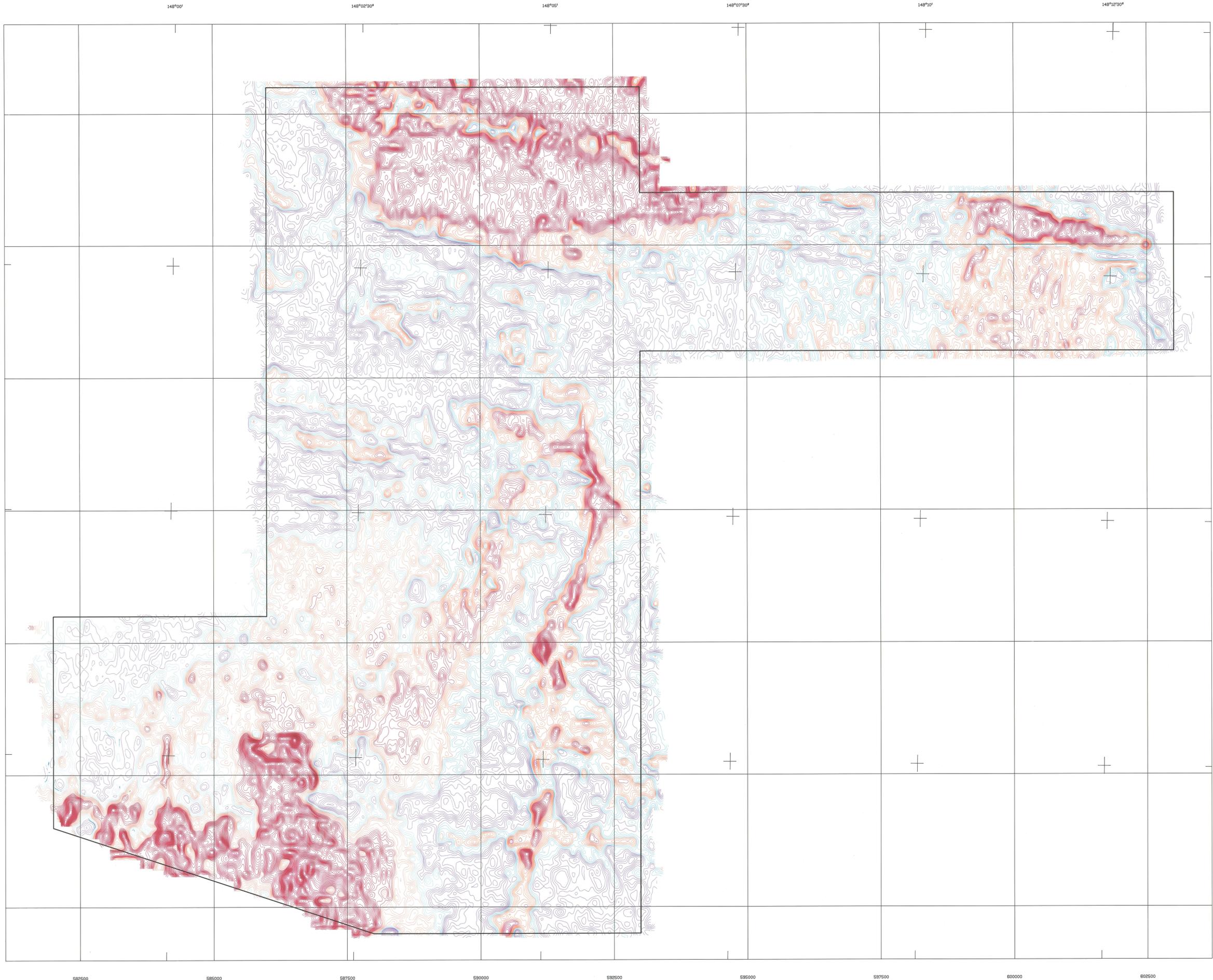
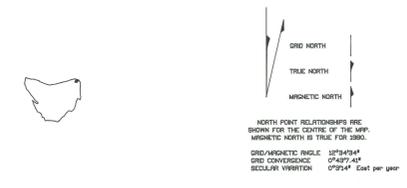
**AIRCRAFT**  
VH-CFZ CESSNA 200B STATIONARY II  
**MAGNETOMETER**  
SPLIT BEAM Cesium SONTREX Y201  
RESOLUTION 0.04 nanotesla  
CYCLE RATE 0.8 seconds  
SAMPLE INTERVAL 11 metres  
**SPECTROMETER**  
GEOMETRICAL EXPLORANUM C8000B  
VOLUME 18.70 litres  
CYCLE RATE 0.8 seconds  
SAMPLE INTERVAL 44 metres  
**DATA ACQUISITION**  
8 CHANNEL WATTANBE MC 8700 CHART RECORDER  
HEWLETT PACKARD 8855 COMPUTER  
AERODATA DIGITAL ACQUISITION SYSTEM  
FLIGHT LINE SPACING 150 metres  
TRAVERSE LINES 150 metres  
TIE LINES 1000 metres  
FLIGHT LINE DIRECTION  
TRAVERSE LINES 090 - 270 degrees  
TIE LINES 000 - 180 degrees  
**SURVEY HEIGHT**  
60 metres - MEAN TERRAIN CLEARANCE  
**NAVIGATION**  
VISUAL FROM PLANNED FLIGHT STRIPS  
FLIGHT PATH RECOVERY  
ONTO R.M.C. CONTROLLED RECOVERY PHOTOS

**TOTAL COUNT CONTOUR MAP**

**DATA PROCESSING**  
GRID CELL SIZE 40 metres  
CONTOUR INTERVAL 50 counts per second  
PARALLAX CORRECTION 3.00 Picoseconds  
**COLOUR LEGEND**  
< 680  
< 880  
< 1280  
> 1280

**ADJACENT SHEETS**

|               |                |                |
|---------------|----------------|----------------|
| B416<br>I-NE  | B516<br>II-NW  | B616<br>III-NE |
| B418<br>II-SW | B518<br>III-SW | B618<br>IV-SE  |
| B415<br>I-NE  | B515<br>IV-NW  | B615<br>IV-NE  |



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