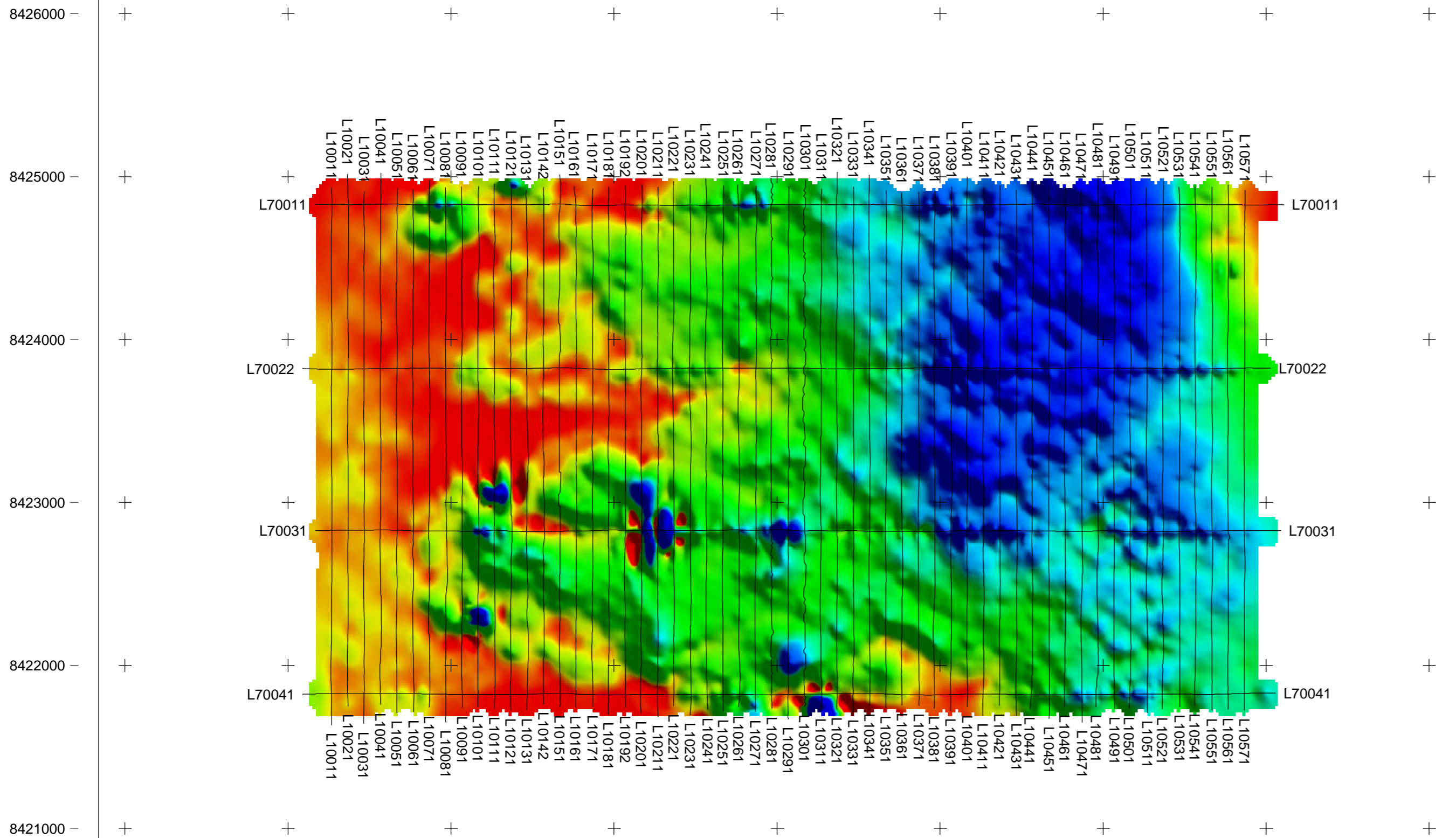


463000 464000 465000 466000 467000 468000 469000 470000 471000



**AIRBORNE SURVEY SPECIFICATIONS**

Acquisition: Geolnstruments (Job #2109\_b)  
 Survey date: September 2001  
 Traverse line spacing: 100 metres  
 Traverse line direction: 000 / 180 degrees  
 Tie line spacing: 1000 metres  
 Tie line direction: 90 / 270 degrees  
 Survey height: EM towed Bird at 30m agl  
 Aircraft: Squirrel helicopter

EM System: Geotech Hummingbird  
 5 frequency towed bird system  
 Geolnstruments Model G2002

Coil Specifications: 1 2 3 4 5

Freq (Hz) : 7000 6600 980 880 34000  
 Orientation : CX CP CX CP CP  
 Coil Separation (m) : 6.26 6.26 6.01 6.01 4.93

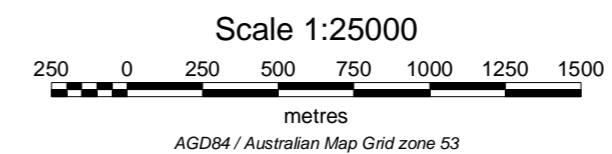
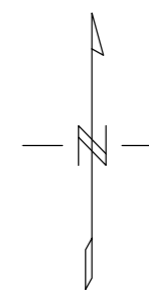
Magnetometer System: Geometrics G822A Caesium vapour  
 Resolution: 0.001 nT  
 Recording interval: 0.1 sec (approx. 3.5 metres sampling)  
 Installation: Magnetometer sensor mounted in HEM bird.

Flight path navigation: Real time satellite  
 Differential GPS system  
 Navigation equipment: Fugro OMNISTAR GPS receivers  
 Flight path record: WGS84 Easting/ Northing coordinates  
 Radar altimeter: Collins Alt50  
 GPS base station locations: Fugro OMNISTAR(Real Time DGPS)

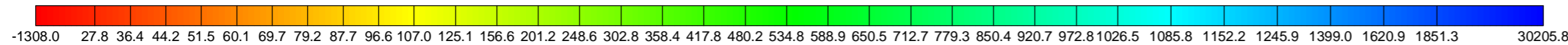
**EM DATA PROCESSING**

All data processing completed by Geolnstruments (Job #2109\_b).  
 The electromagnetic data has been filtered to remove the effects of  
 spherics and other noise sources. Data has been corrected for system  
 drift by subtraction of background zero levels determined from high  
 altitude calibration data. System parallax has been removed.  
 Inphase and quadrature channels have been levelled to remove residual  
 flight line features in apparent resistivities. Microlevelling has  
 been applied. Apparent resistivities have been calculated using  
 the Geosoft HEM module INVERSION technique.

**RIO TINTO**



**Apparent Resistivity**  
(ohm-m)



**RIO TINTO EXPLORATION PTY LIMITED**

**East Arnhem Diamonds  
 EL5954 Benda Bluff**

**Apparent Resistivity Image for  
 6600Hz Coplanar Data**

Author: TW GRANT	Ref: Urupunga SD53-10
Drawn: TW GRANT	File: WAp45178
Date: JUNE 2002	Report: 25472
Scale: 1:25 000	Plan: WAp45178