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**EL 2509** 

#### **UMBUM CREEK**

# DATA RELEASE: LICENCE-SPECIFIC ANNUAL AND FINAL REPORTS TO LICENCE EXPIRY/RENEWAL, FOR THE PERIOD 16/4/1998 TO 15/4/2003

Submitted by BHP Minerals Pty Ltd and Rio Tinto Exploration Pty Ltd 2004

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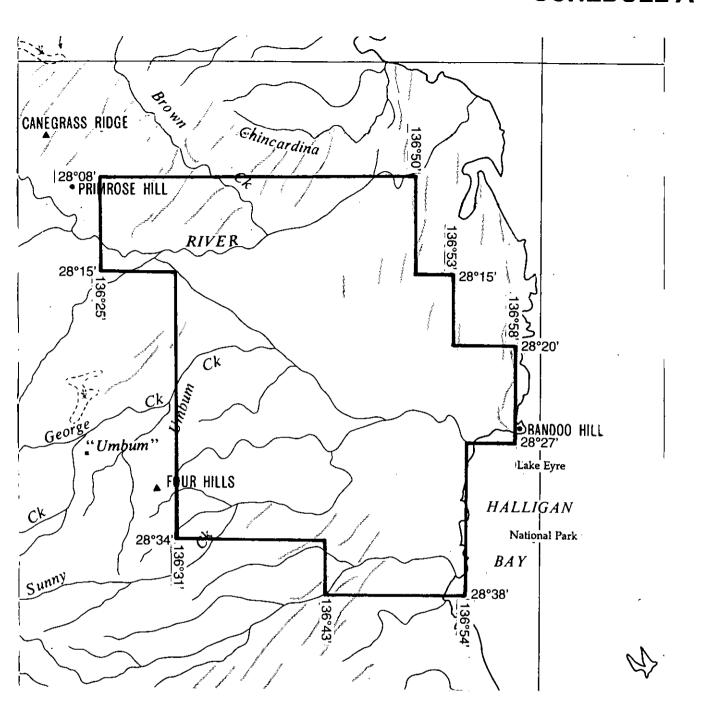
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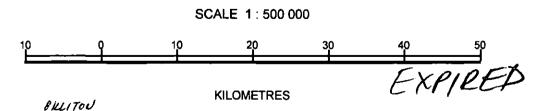
101 Grenfell Street, Adelaide 5000

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#### **SCHEDULE A**





APPLICANT : BHP MINERALS PTY. LTD. & RIO TINTO EXPLORATION PTY LTD

AREA: 2048 square kilometres (approx.) DM: 515/97 MINERAL ONLY

1:250 000 PLANS: WARRINA, LAKE EYRE

LOCALITY: UMBUM CREEK AREA - Approximately 160 km southeast of Oodnadatta

**EL No: 2509** DATE GRANTED : 16 April 1998 DATE EXPIRED: 15 April 1999 336 1560 2002

EL 2509 Umbum Creek

#### PEAKE AND DENISON PROJECT SOUTH AUSTRALIA

ANNUAL REPORT FOR THE PERIOD ENDED 15 APRIL 1999

Prepared by: M WHITE (White Geoservices Pty Ltd) K LOFTUS (BHP Project Technician)

Submitted by:

J Read Team Leader

PRIMARY INDUSTRIES &
- 8 NOV 1999

MINERAL RESOURCES

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#### **CR 9627**

#### EL 2509 Umbum Creek

#### PEAKE AND DENISON PROJECT SOUTH AUSTRALIA

## ANNUAL REPORT FOR THE PERIOD ENDED 15 APRIL 1999

# M WHITE K LOFTUS

#### **AUGUST 1999**

#### **DISTRIBUTION:**

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#### **SUMMARY**

This annual report summarises all work carried out by BHP Minerals Pty Ltd (BHPM), on EL 2509, for the 12 month period ended 15 April 1999.

The following exploration work was conducted by BHPM during the reporting period:

- Ground magnetic surveys;
- Regional gravity survey; and
- Drilling 1 diamond hole.

Other magnetic/gravity anomalies will be considered for drilling next period.

#### 1. <u>INTRODUCTION</u>

This annual report summarises all work carried out by BHP Minerals Pty Ltd (BHPM) on EL 2509, Peake and Denison Project, for the 12 month period ended 15 April 1999. EL 2509 (Umbum Creek) is located approximately 150 km east of Coober Pedy, SA, and is reached via William Creek (Figure 1). The Peake and Denison Project includes three other tenements which are discussed in separate reports.

This report was compiled by the author (consultant geologist) using memos, monthly reports and advice from BHPM staff who were associated with the project.

#### 2. TENEMENT DETAILS

EL 2509 (Umbum Creek) was granted on 16 April 1998, and therefore this document forms the first annual report for this tenement. The tenement is 2048 km<sup>2</sup> in size and the expiry date is 15 April 2000.

#### 3. **GEOLOGY**

EL 2509 occurs within the Peake and Denison magnetic complex, which is interpreted as a multiply deformed and metamorphosed early Proterozoic basement sequence (Peake Metamorphics) covered by up to 600m of Mesozoic Eromunga Basin Sediments (Algebuckina Sandstone - aquifer, Cadna-owie Formation, Bulldog Shale).

The highly magnetic terrain of the Peake and Denison area (peak amplitudes of 4000nT) is of similar size and intensity to the Olympic Dam magnetic terrain on the Stuart Shelf (peak amplitudes of approximately 4000nT?). The principal target in this area is Olympic Dam style iron-oxide Cu-Au ore systems.

#### 4. PREVIOUS WORK

#### **BHPM**

Previous work on EL 2509 included early work by BHP in 1978-1980. They completed ground magnetic and gravity traverses over key magnetic complexes. This work resulted in the drilling of one hole (WLE1a) into a large gravity/magnetic anomaly. The hole intersected an altered, unmineralised calc-silicate rock at 295.4 m. The collar position is shown on Plate 1.

The old BHPM aeromagnetic data (now open file) was used for recent interpretations and also to target key areas for ground magnetic surveys (see sections below).

#### 5. WORK COMPLETED BY BHPM DURING THE REPORTING PERIOD

#### 5.1 Summary of Work Completed

The following exploration work was conducted by BHPM over EL 2509 during the 12 month period ended 15 April 1999:

- Ground magnetic surveys at 8 sites;
- · Regional gravity survey; and
- Drilling 1 diamond hole (UCD98001).

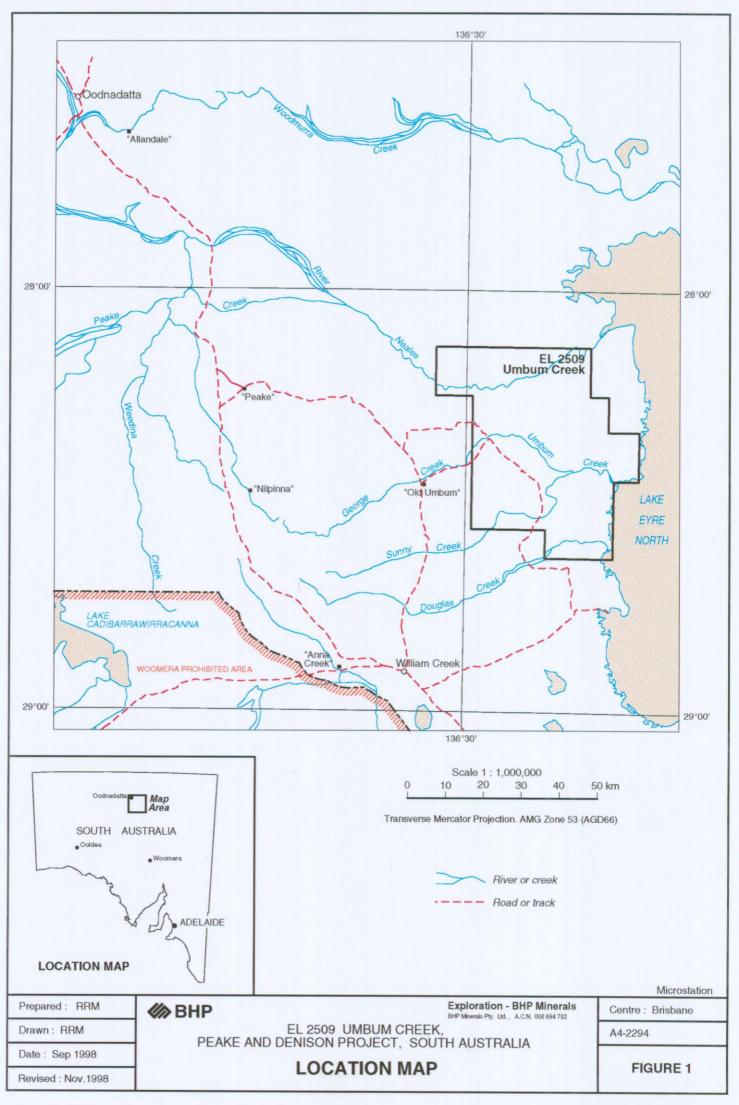


Plate 1 shows the location of the ground magnetic grids, the gravity survey outline and the drill hole collar position.

2

#### 5.2 Ground Magnetic Surveys

During June 1998 eight aeromagnetic anomalies were selected for ground magnetic surveys (UCM001-8). Details of these anomalies are summarised in Table 1 and the locations of the grids are shown on Plate 1.

Euro Exploration Services carried out the ground magnetics work with a total of 204.2 line km surveyed. A logistics report with profile plots is included in Appendix 1. The ground magnetic surveys were carried out to define the true position of the magnetic anomaly peak on the ground, and also to obtain information on the geometry of the magnetic body, and most importantly the depth of overburden. Ground magnetic data was collected using Geometrics G856 memory magnetometers (one or two roving magnetometers and one base magnetometer), and was diurnally corrected. Ground magnetic data was collected every 10 m along each grid line. Models and images are included in Appendix 2.

#### 5.3 Regional Gravity Survey

The Umburn Creek Gravity survey was carried out over the Peake and Denison area during July/August 1998. A large part of EL 2509 was covered by this survey (see Plate 1). A logistics report is included in Appendix 3, and details of the survey are summarised below. Gravity data is included in Appendix 4.

#### **Umbum Creek Gravity Survey**

Contractor:

Haines Surveys

Instrument:

Scintrex CG3 Autograv

Surveying:

Trimble 4000 Geodetic Receivers

Station Spacing: Line Spacing:

1km

Line spacing:

1km

No of Stations:

2177

The resultant bouguer gravity data shows a strong correlation between magnetic and gravity anomalies, reflecting the nature of the dense and magnetic Proterozoic basement.

A range of gravity anomalies was noted from this survey: many of which correspond with magnetic anomalies (see Table 1). The most intense gravity anomaly (6 mgals) at site UCG001 (corresponding with UCM006) was drill tested (see sections below).

#### 5.4 Diamond Drilling

BHPM carried out mud/diamond drilling during 1998 at site UMC006 (UCD98001). The drilling in this area is technically challenging due to a cover sequence that includes the Great Artesian Basin. Precollars were drilled by Thompson Drilling and diamond tails were drilled by Budd Drilling. Drill hole logs, analytical results and magnetic susceptibility data are included in Appendix 5.

Mud/diamond hole UCD98001 tested the strong coincident magnetic (3800 nT) and gravity anomaly (6 mgals) at site UCM006. The hole is located approximately 1.5 km to the southwest of an old BHPM hole WLE1a (see Plate 1).

# TABLE 1 SUMMARY OF MAIN GEOPHYSICAL ANOMALIES - UMBUM CREEK

Magnetic Site	East	North	Amplitude	Depth	Mag Sus	Comments	Corresponding Gravity Site	East	North	Ampittude	Depth	Density	Comments
UCM001	662400	6865000	750nT	386m	0.31 SI	Linear, NW trending	UCG004	663000	6864000	3.25mGal	900m		deep gravity anom coincident with linear mag anom
UCM002C	668150	6861000	1000nT	385m	0.13 SI	part of folded mag complex							
UCM003	680500	6855400	750nT	500m	0.08 SI	Very deep mag anomaly							
UCM004	660700	6840900	750nT	350m	0.095 SI	Deep, linear mag anomaly							
UCM005	655400	6854400	1600nT	338m	0.18 SI	Long, linear, intense mag anomaly parallel to major structure	UCG006	659000	6853000	1.25mGal	370m		wholly coincident with linear magnetic anomaly
UCM006	652600	6861500	3750nT	277m	0.48 SI	Very intense mag anom in struct complex position.	UCG001	653000	6861000	6mGals	346m	3.02g/cc	magnetic and gravity bodies wholly coincident.
UCM007A	676000	6840500	275nT	400m	0.025 SI	Deep, linear mag anom							
UCM007B	677800	6842500	275nT	500m	0.035 SI			<u> </u>					
UCM008c	651350	6864600	1250nT	, ,	?	Southern end of folded mag complex	UCG002	652000	6864000	5mGals	313m	2.92g/cc	gravity partially coincident with southern end of mag complex
UCM009	649000	6860000	750nT	?	?	part of folded magnetic linear	UCG003	649000	6860000	3.75mGal	393m	2.88g/cc	wholly coincident with magnetic feature
UCM010	650000	6858200	1000nT	?	?	small, discrete, intense anomaly	UCG005	650000	6858000	3 mGal	352m	2.89g/cc	coincident with small discrete magnetic anomaly

The hole reached basement at 292.5 m and was terminated at 355.3 m due to high artesian water flows. Basement comprises an alternating sequence of grey, massive to weakly layered, quartz-feldspar-magnetite±amphibole±biotite rocks and pegmatite/granite. Trace chalcopyrite was recorded from 348 m to the end of hole, in association with segregations/veins of feldspar-quartz-chlorite (after hornblende)-biotite-magnetite. Chlorite alteration of biotite and hornblende is common throughout the basement rocks, as is sericite alteration of feldspars. UCD98001 has clearly intersected a magnetite alteration system, which explains the magnetic and gravity anomaly. The rocks display high temperature? textures and alteration assemblages.

UCD98001 returned peak values of 120 ppm Cu and 0.02 ppm Au. Quartz-feldspar-magnetite rocks have up to 13.7 % Fe, and a low K/Na ratio, indicating the feldspar is predominantly albite. No further work is recommended at this site.

#### 6. NATIVE TITLE ISSUES

All drill sites were inspected and heritage clearances were given by representatives of the Arabunna people prior to sump construction and drilling.

#### 7. ENVIRONMENT AND REHABILITATION

An Environment and Rehabilitation Report is included as Appendix 6.

#### 8. EXPENDITURE

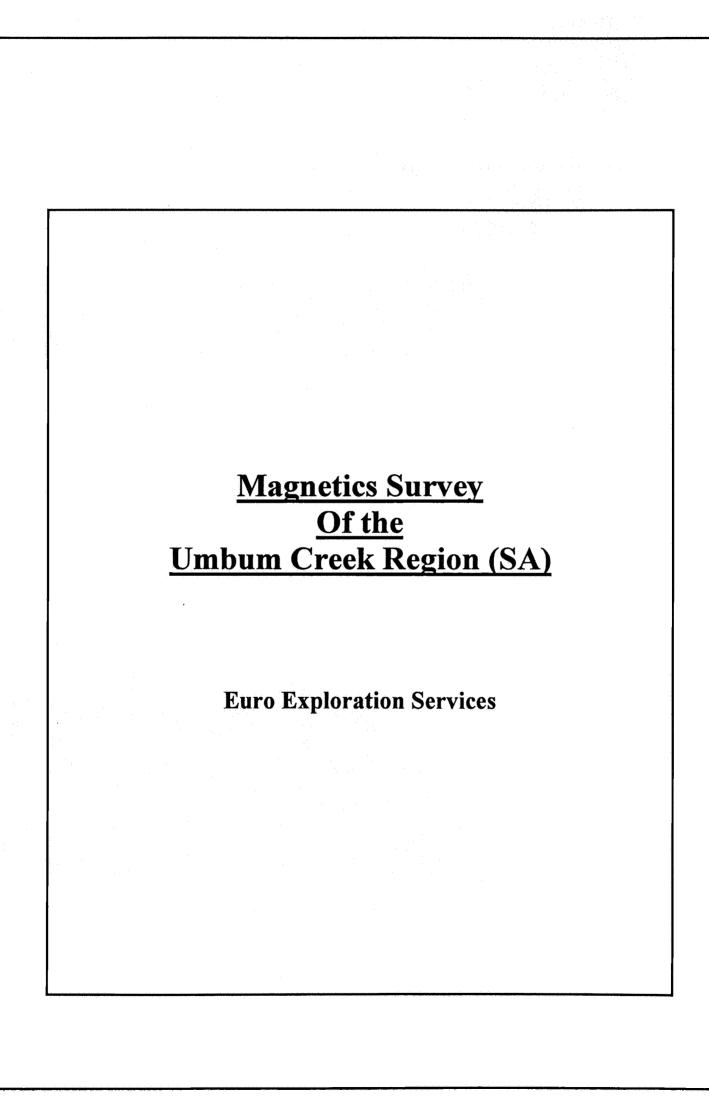
The total expenditure for EL 2509 for the 12 month period to 15 April 1999 is \$277,135. Details are included in Appendix 7.

#### 9. CONCLUSIONS

The results from the drilling at site UCM006 are insignificant. Other magnetic/gravity anomalies will be considered for drilling next period.

## **APPENDIX ONE**

**Logistics Report for Ground Magnetic Surveys - Euro Exploration** 



## **Ground Geophysical Survey Details**

#### **Location and Size of Survey Areas**

A total of eight grids in the vicinity of Umbum Creek (S.A) in the Peake and Dennison area were gridded and read with ground magnetometers. The original survey size was 172.4 line kms, and an additional 31.8 line kms were done as extension work.

#### **Magnetic Readings**

Magnetic readings were taken with three Geoinstrument G856 Magnetometers. Only two of the BHP Minerals magnetometers supplied were used. The third magnetometer supplied by BHP did not read to within 2nT of the others. So, one instrument from Euro Exploration was used.

#### **Base Station Magnetometer**

The base station magnetometer used was instrument 50737. It took readings every 30 seconds and was located at 666816E / 6851763N. The first and last few readings of the day taken at the base station were interrupted by vehicle noise as we switched it on, and off, and were therefore ignored. These readings did not affect the roving magnetometer data as no rover readings were ever being taken at these times. The magnetic data was corrected for diurnal variation using the program 'Infield' and the base station reading selected for the reductions was taken as the average value of 56750nT.

#### Roving Magnetometers

There were two roving magnetometers used. One instrument (supplied by Euro Exploration) was labeled Magnetometer 'A'. The other magnetometer used was 50738, and this was labeled Magnetometer 'B'. The two roving magnetometers 'A' and 'B' were used to read along the lines at 10m spacings. Where some creeks and wetlands were intercepted some readings were missed (positions missed noted in located data files).

#### **GPS Survey**

Originally the midpoints and endpoints of the grid lines were established using GPS. The accuracy of these locations met the specification of  $\pm$  50m. We put the grid pegs in position from the midpoint using a compass and chain on a line bearing of 83°/353. The grid lines for which this method was used are those completed between 08/06/98 – 10/06/98 (for Grids UCM005, UCM006, UCM008 & UCM001).

We had difficulty maintaining the accuracy of the endpoints of the lines of Grids UCM002 & UCM003 using a compass, probably due to a strong magnetic signal, and found that the lines

#### **GPS Survey (Continued)**

consistently deviated from their defined GPS endpoint positions. We therefore used a RACAL GPS unit to position all of the pegs on the remaining lines on all of the other grids. The grid peg spacing was 100m on all of the grid lines except for lines:

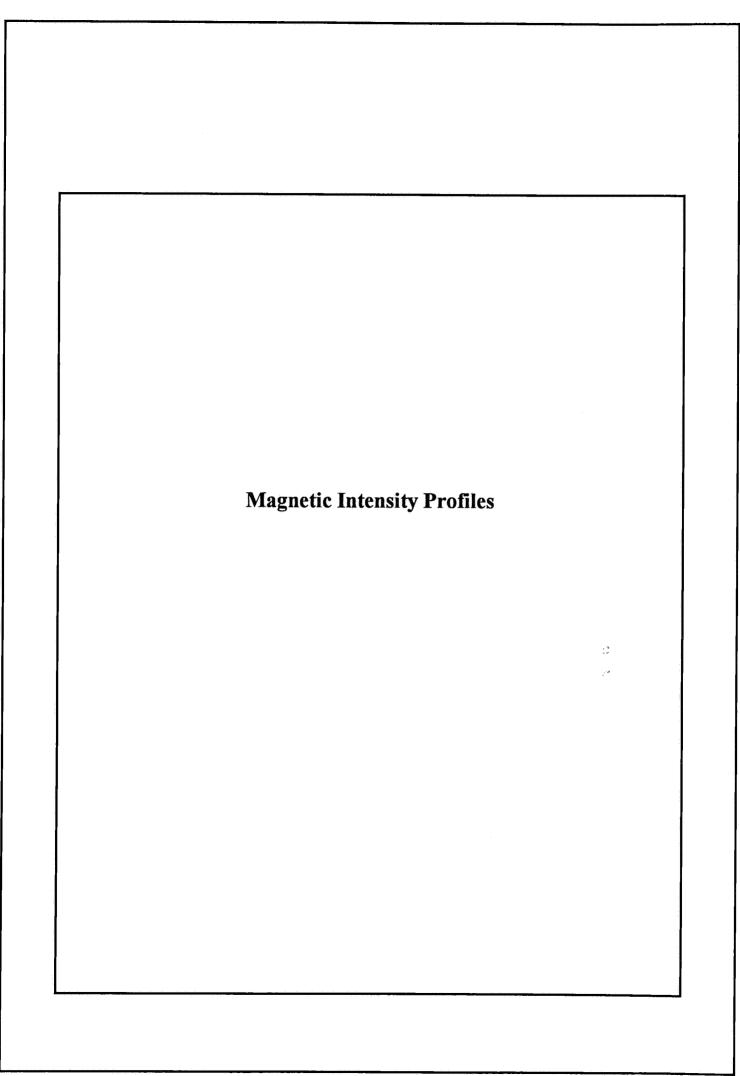
- 1. 655700E (6853000N 6857000N) Grid UCM005
- 2. 652800E (6860000N 6864400N) Grid UCM006

which have a peg spacing of 200m due to a shortage of pegs.

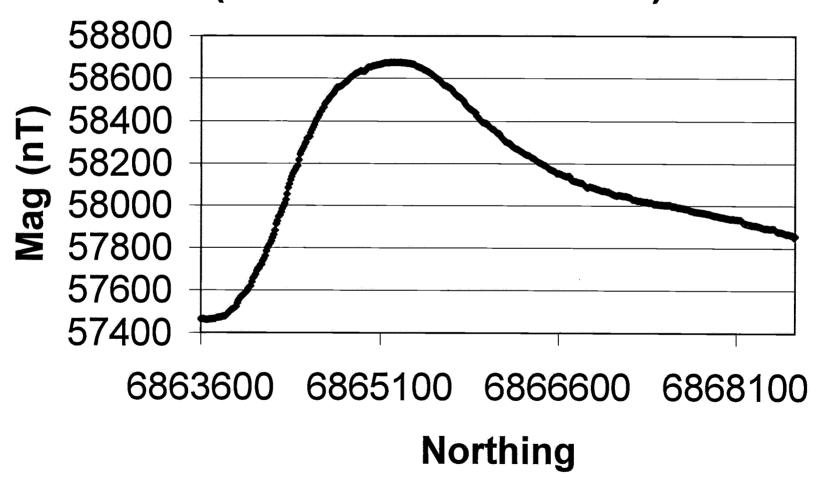
#### Accessibility and Terrain Conditions in the Survey Area

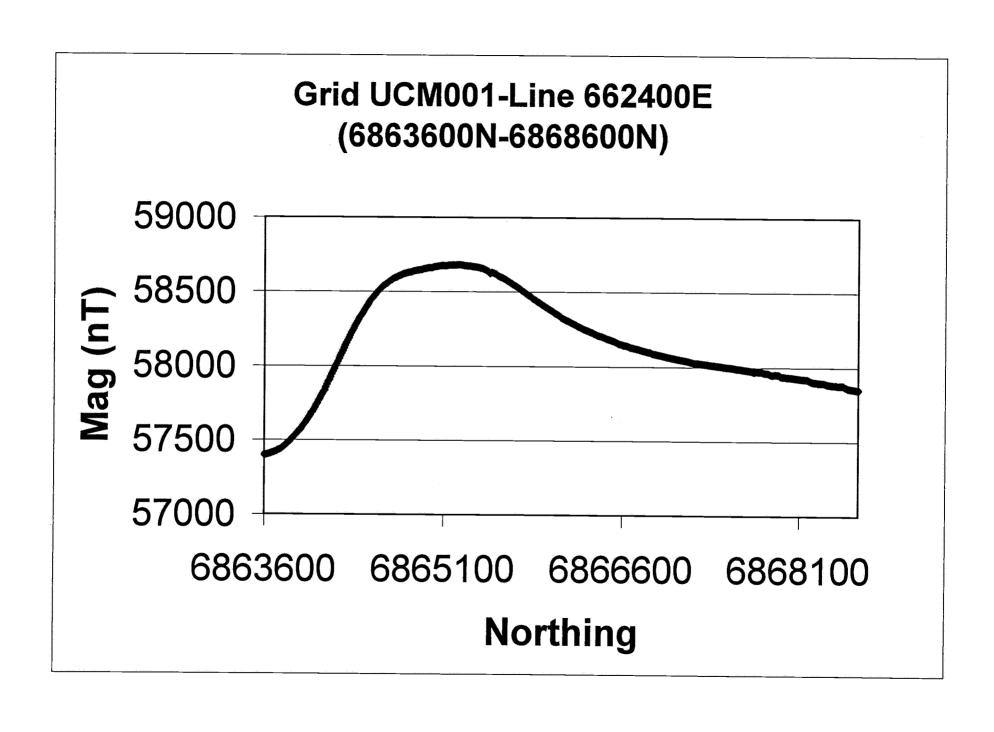
The survey area is relatively flat and easily accessible from William Creek via a dirt track that crosses the William Creek Airstrip. The only difficulty is the Sunny Creek crossing which is very sandy. Our campsite was located nearby the Up and Down Dam and Sunny Creek at 666952E / 6851583N approximately 70km northeast of William Creek. Each of the grids is intersected by tracks except for grids UCM004 & UCM005. These two grids are no more than 5km from established tracks.

The conditions of the tracks are good except for occasional washouts and creek crossings. There is sparse vegetation on the grid sites except for areas surrounding creek beds. Grids UCM003 and UCM002 are intersected by the Umbum Creek and there are shallow water pools. On Grid UCM003 the creek does not pose any major problems for vehicle accessibility, as there is a good track that crosses the creek. There is a large water pool whose expanse is between approximately 6855200N – 6855300N on lines 679700E, 679900E & 680100E. The water expanse continues to the west. On Grid UCM002 however, the creek is several hundred meters wide and has steep embankments up to 50m high. There are areas of shallow water and areas of extremely dense vegetation on lines 6860400N, 6860600N, 6860800N at the western end (breaks in readings along these lines are noted in the located data files). We managed with difficulty to cross the creek on UCM002 but were bogged frequently due to soft, wet soils and sand.

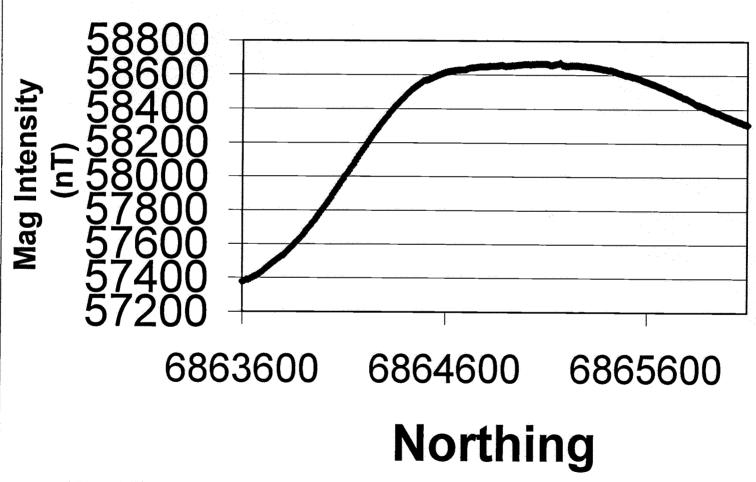


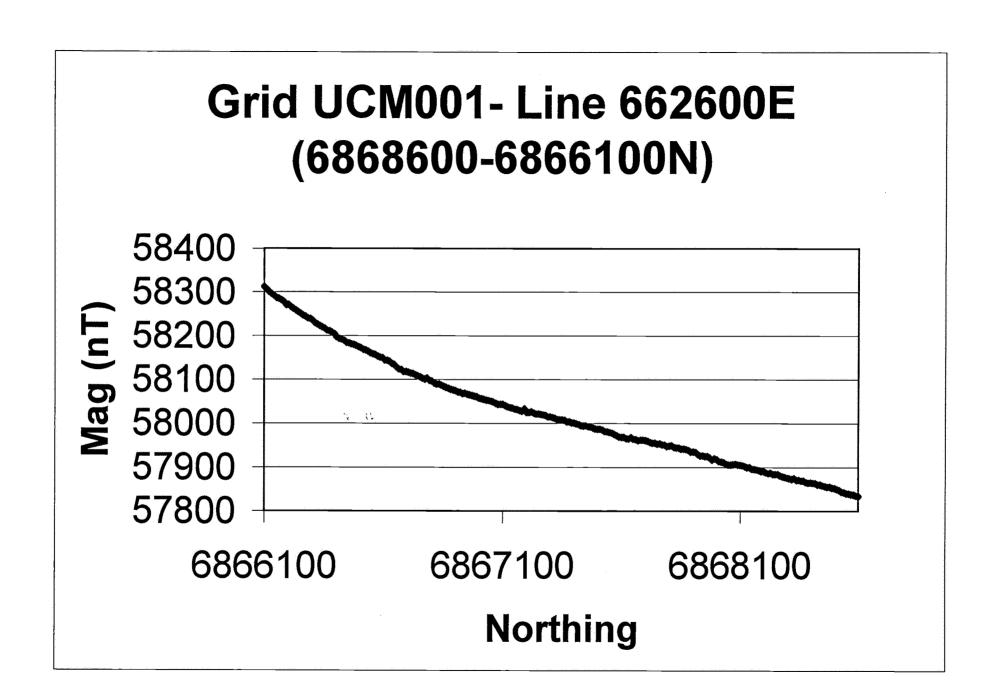




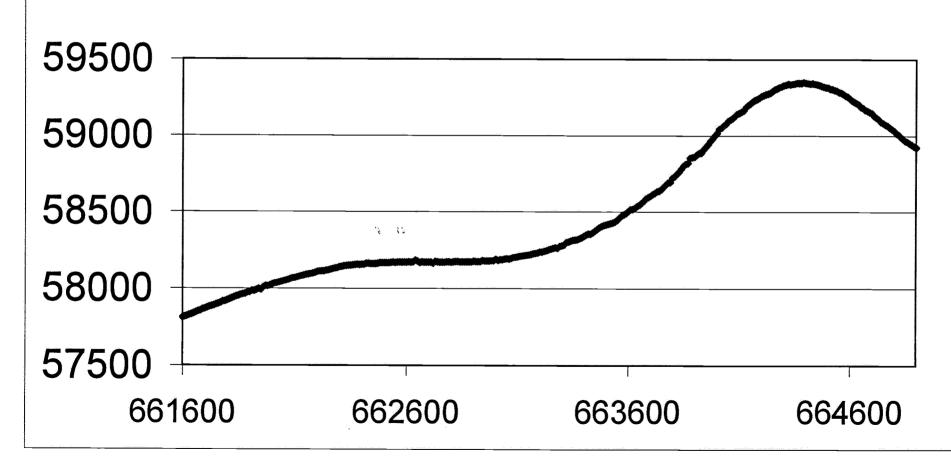


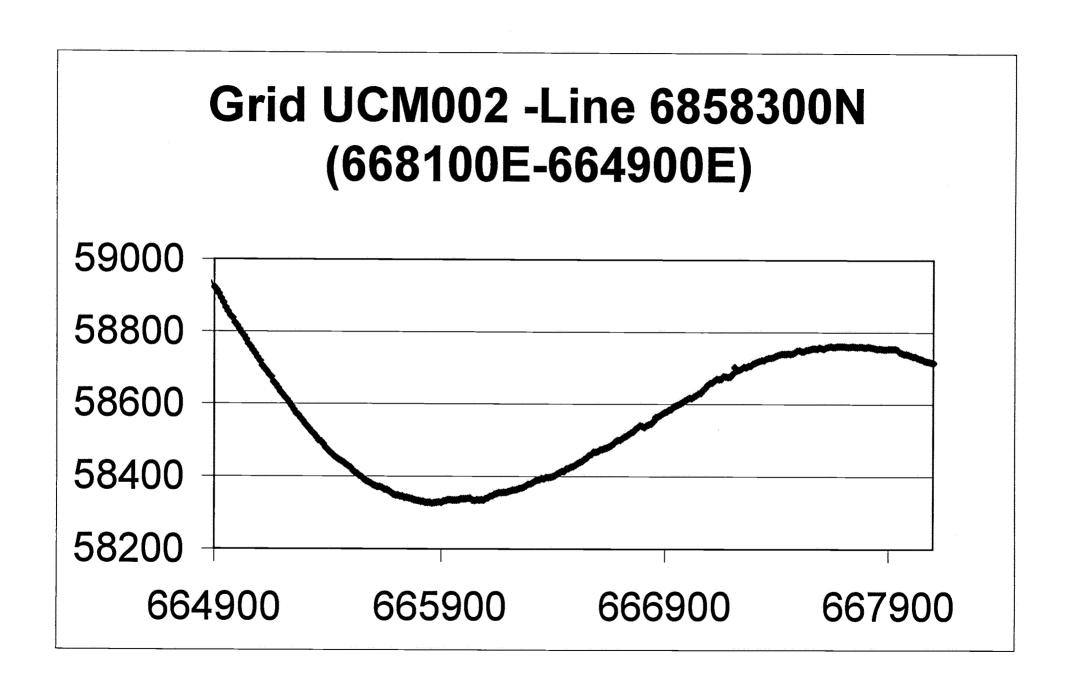
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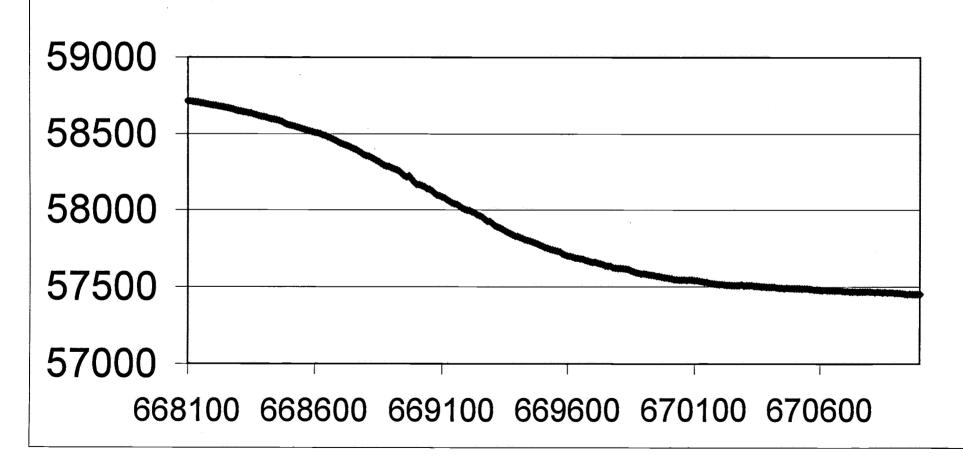




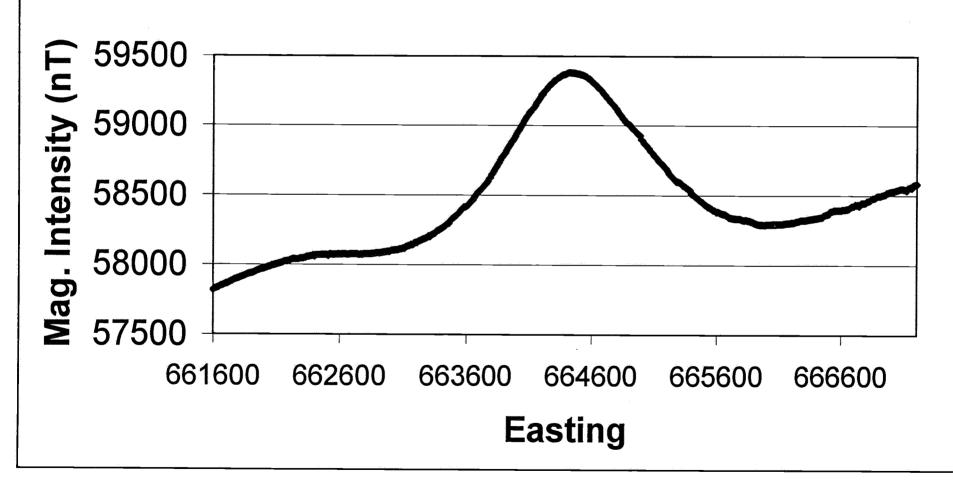




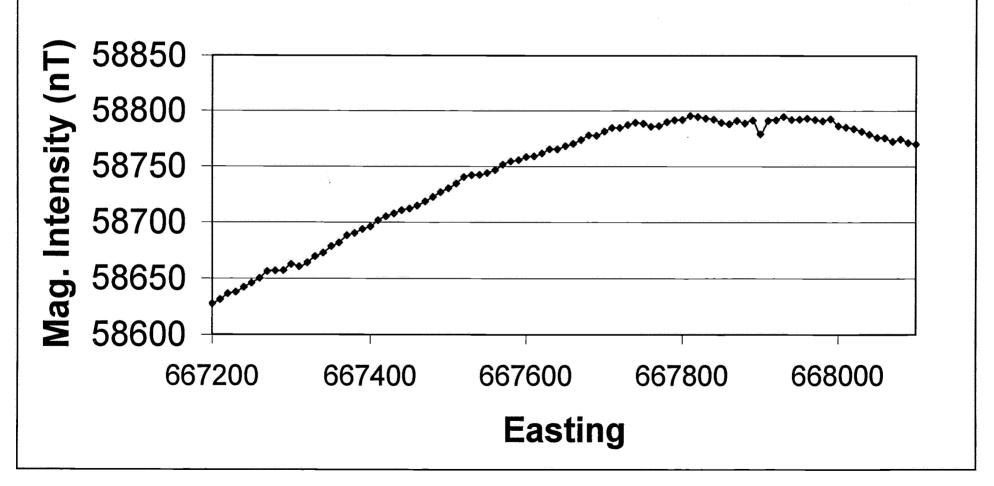


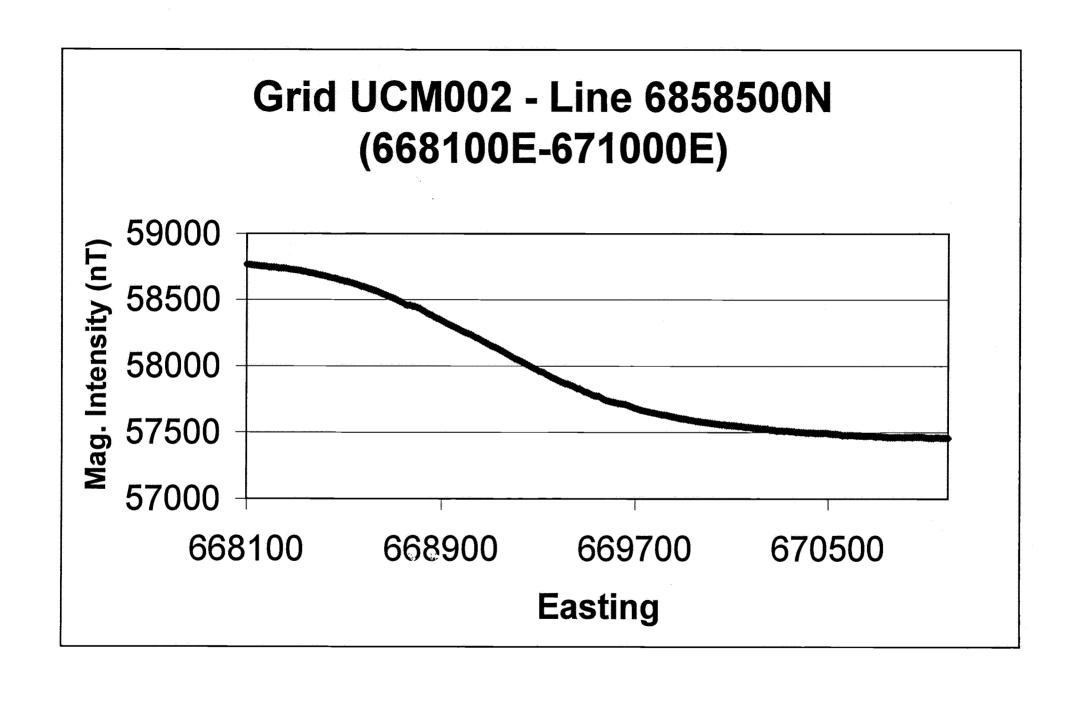




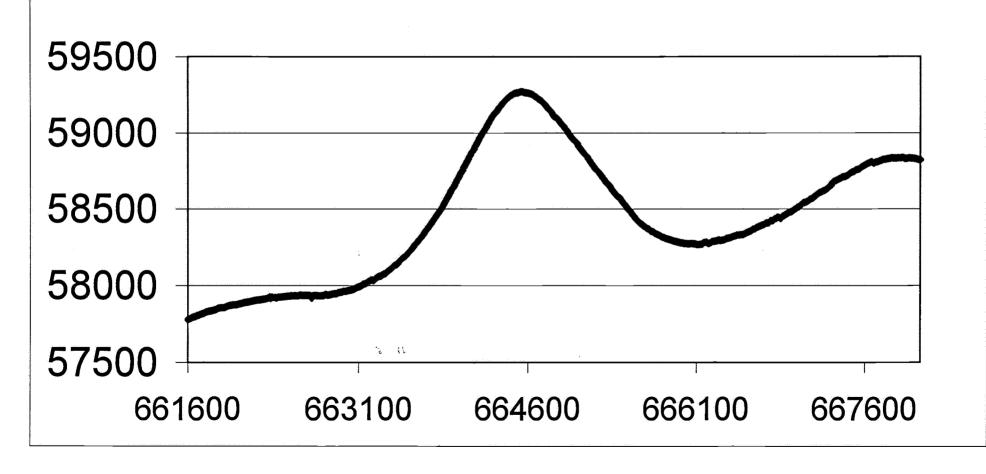




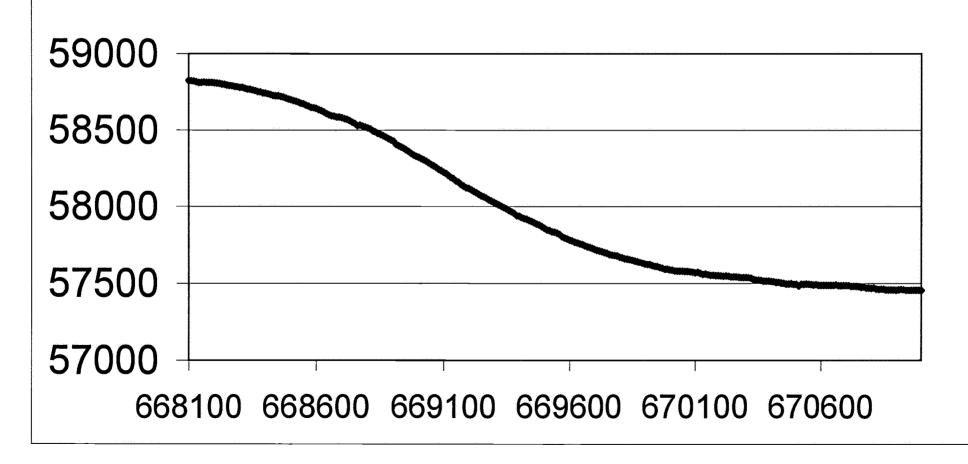


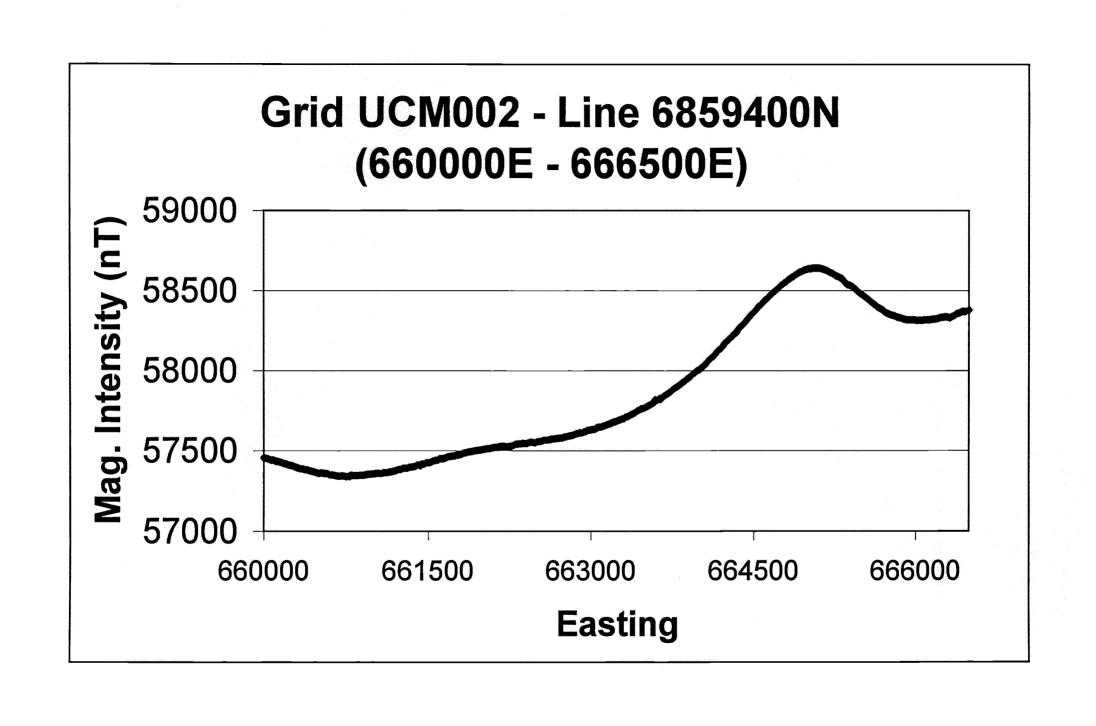


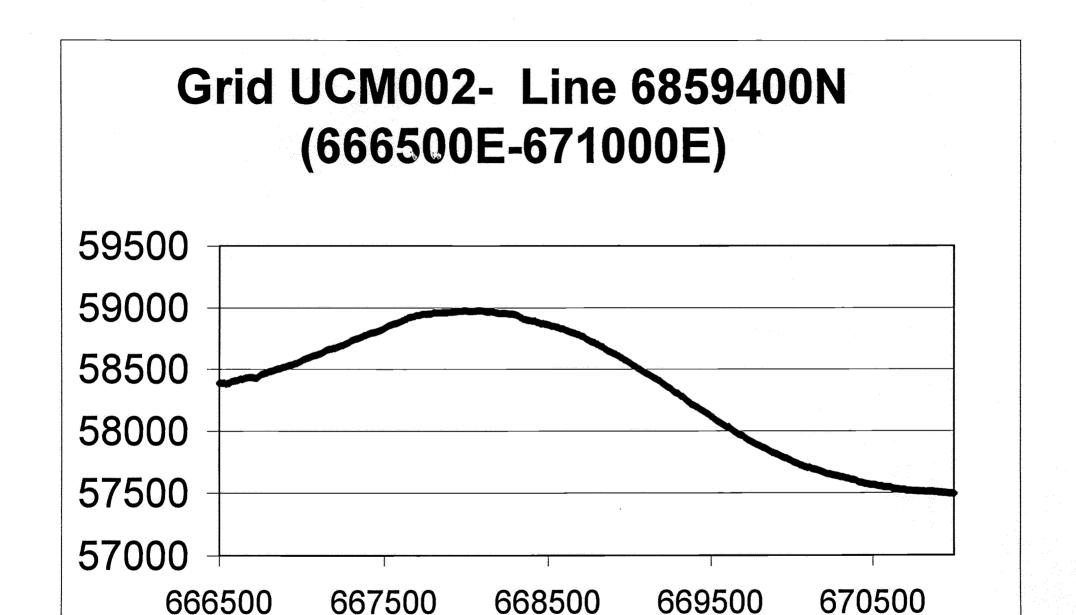


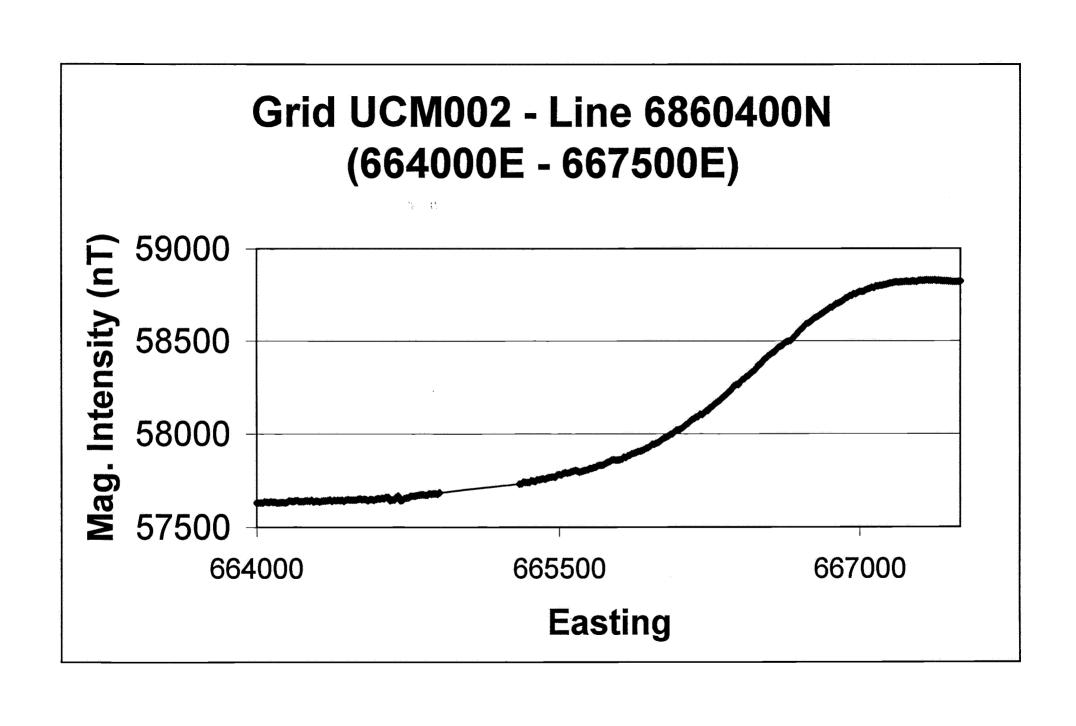


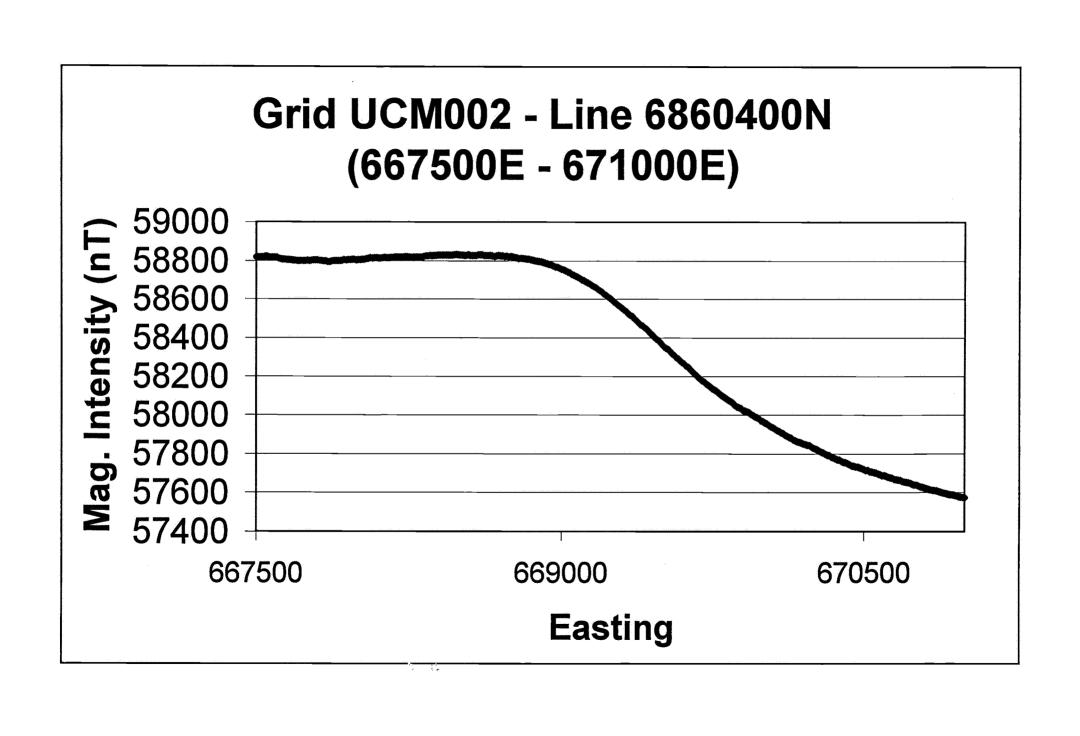




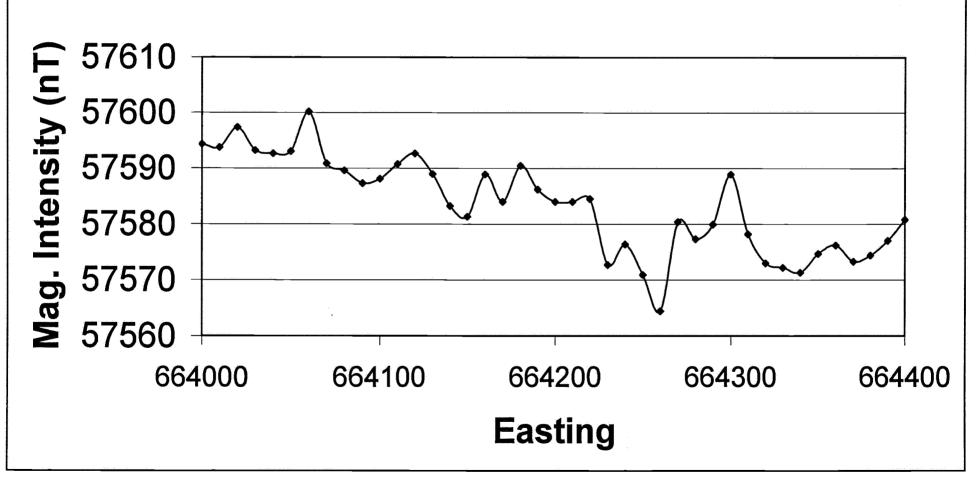


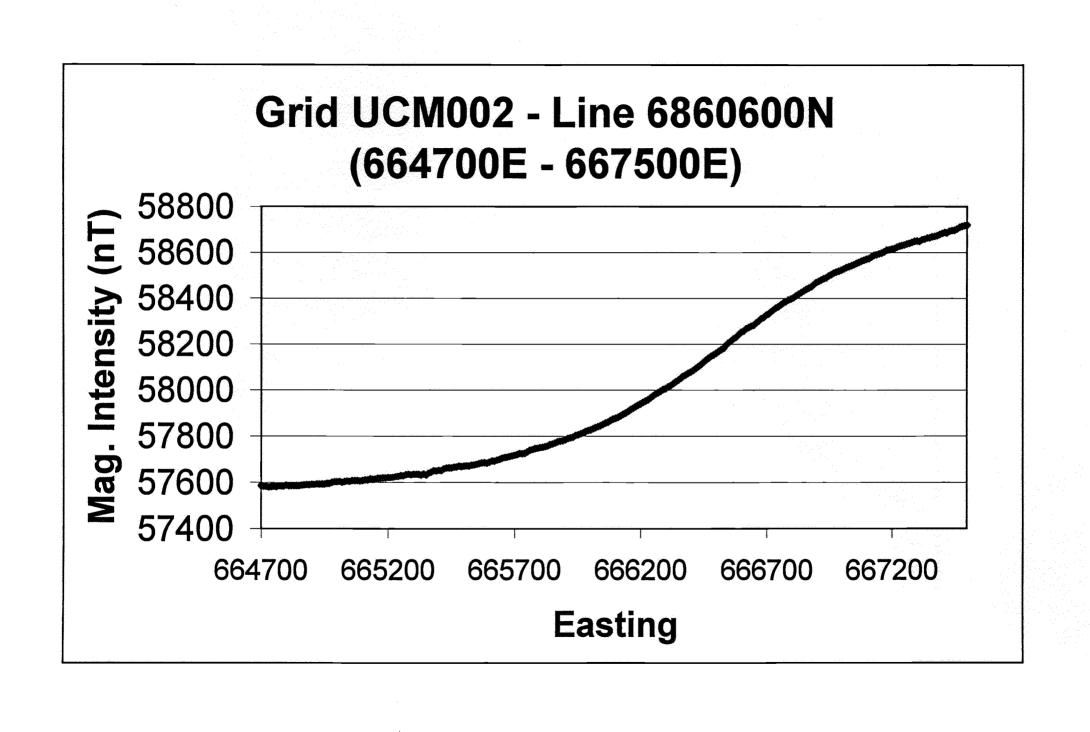


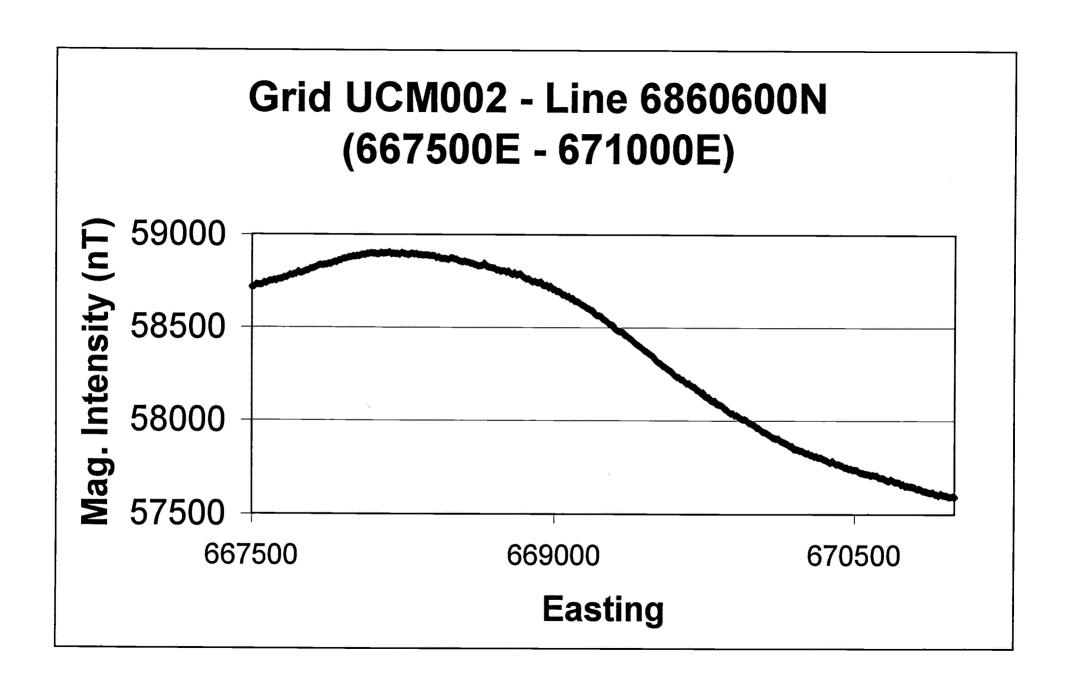




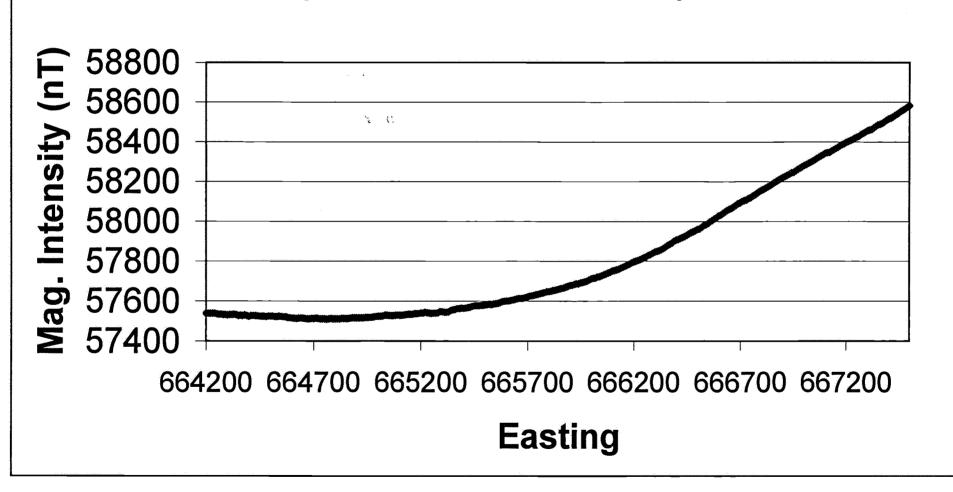


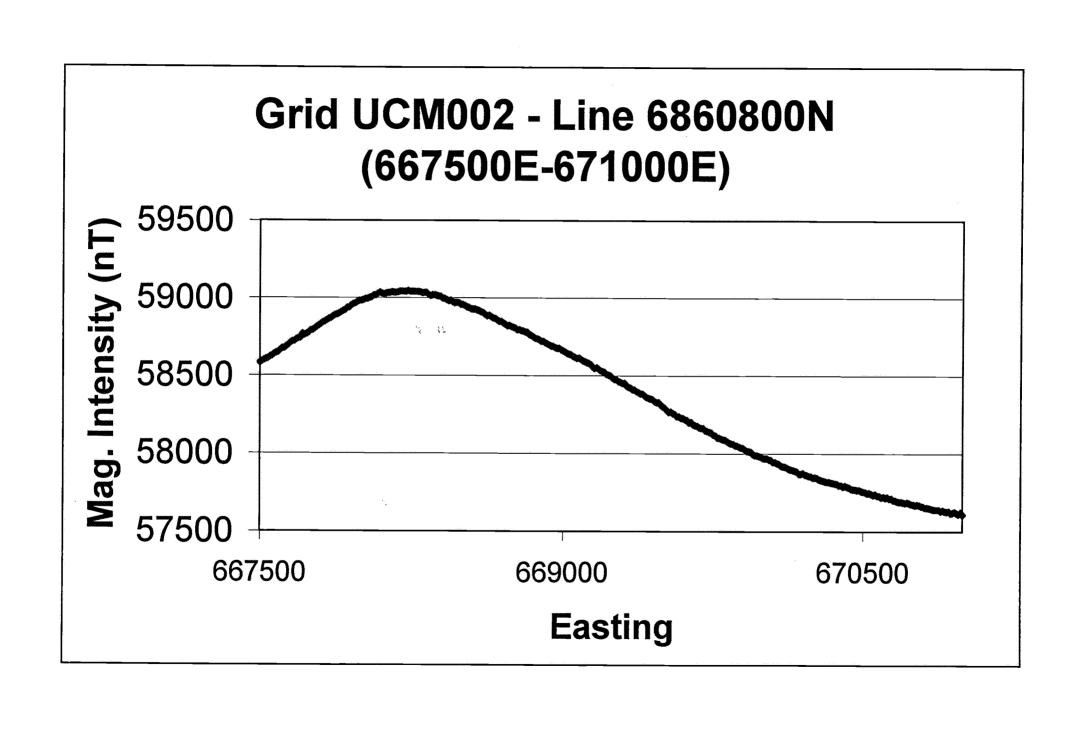


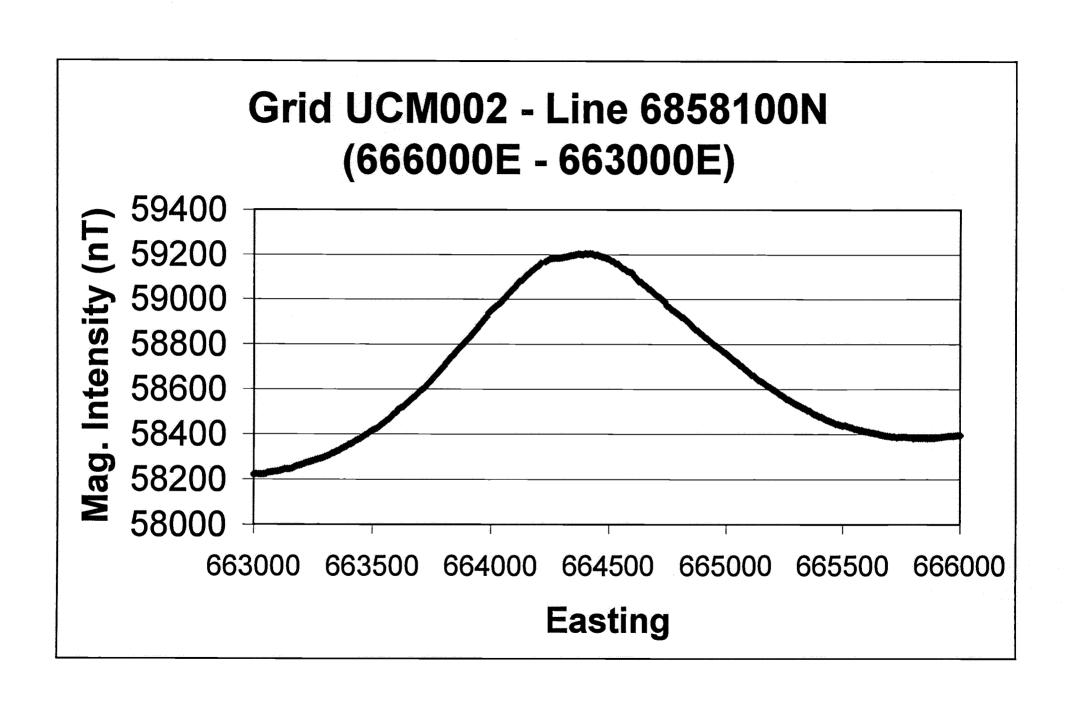


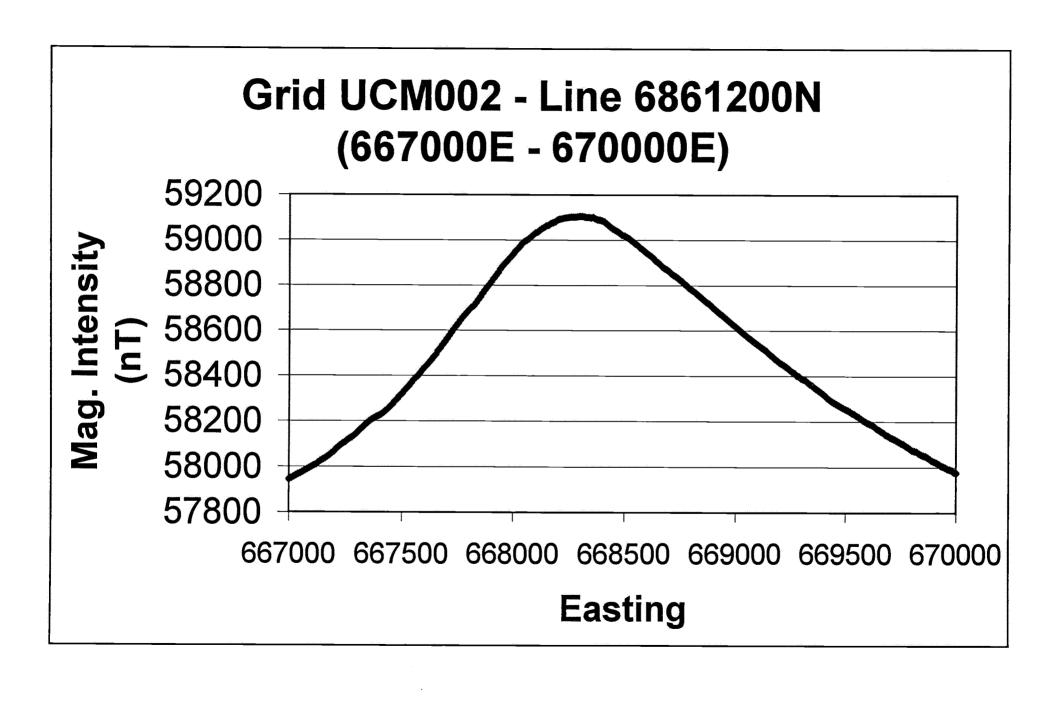


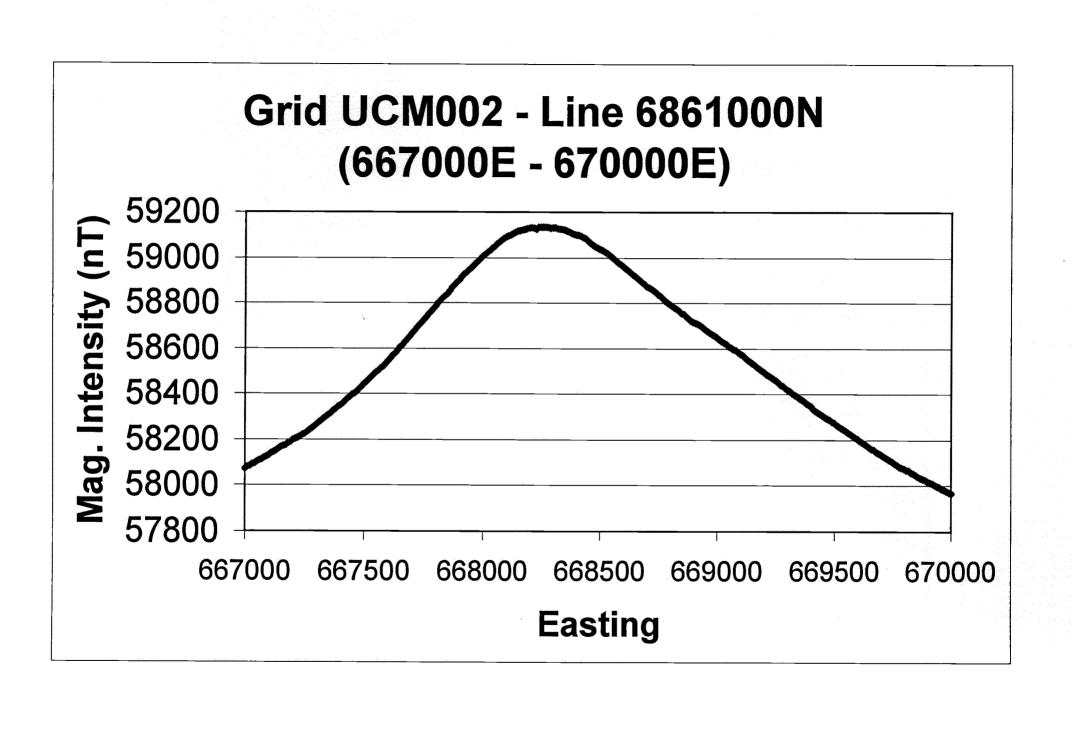
## Grid UCM002 - Line 6860800N (664200E - 667500E)

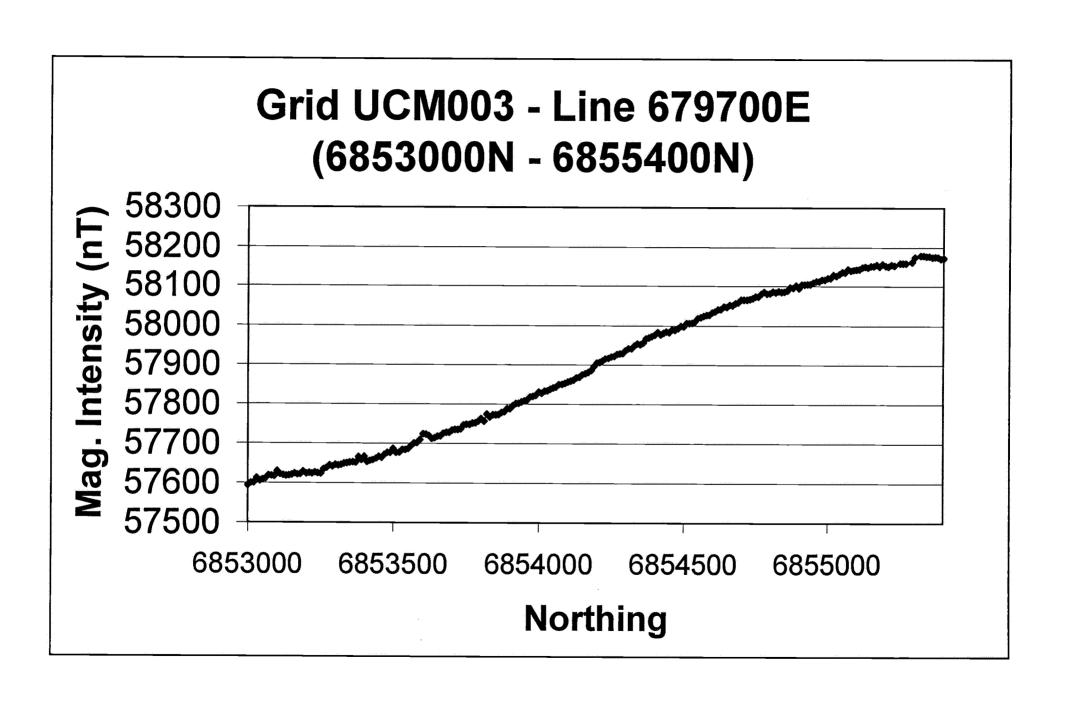


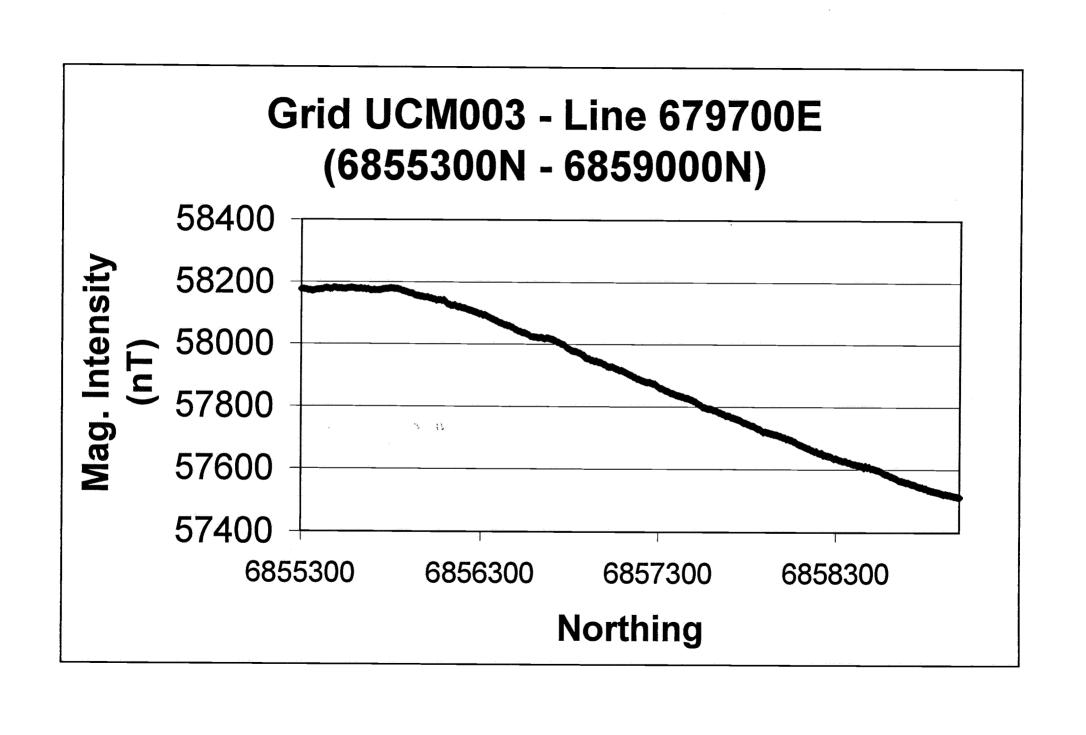


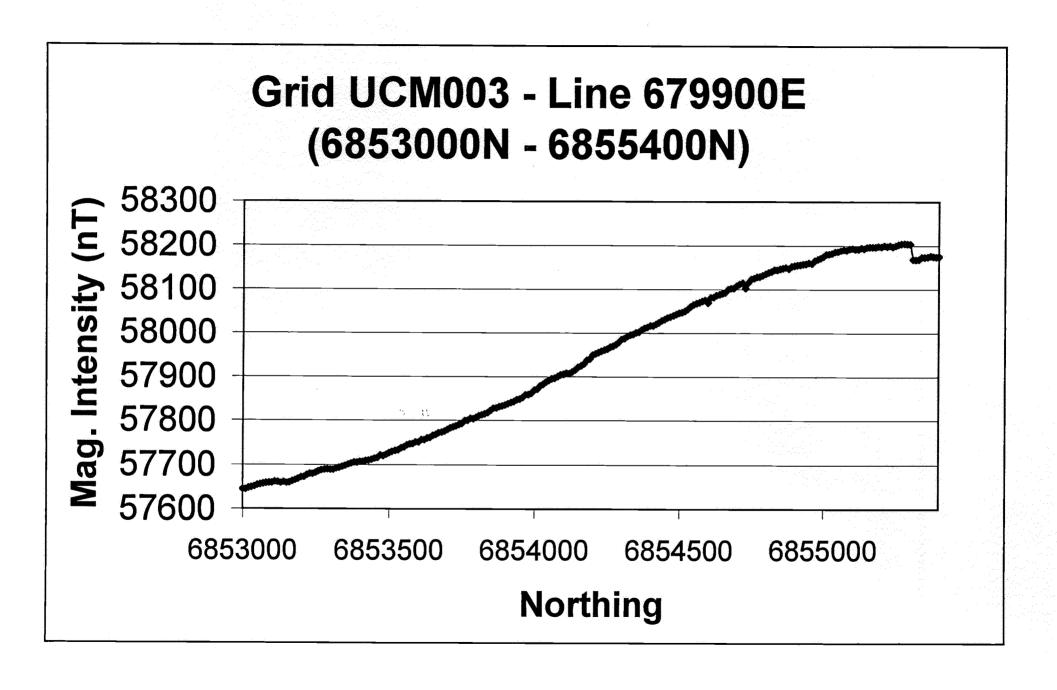


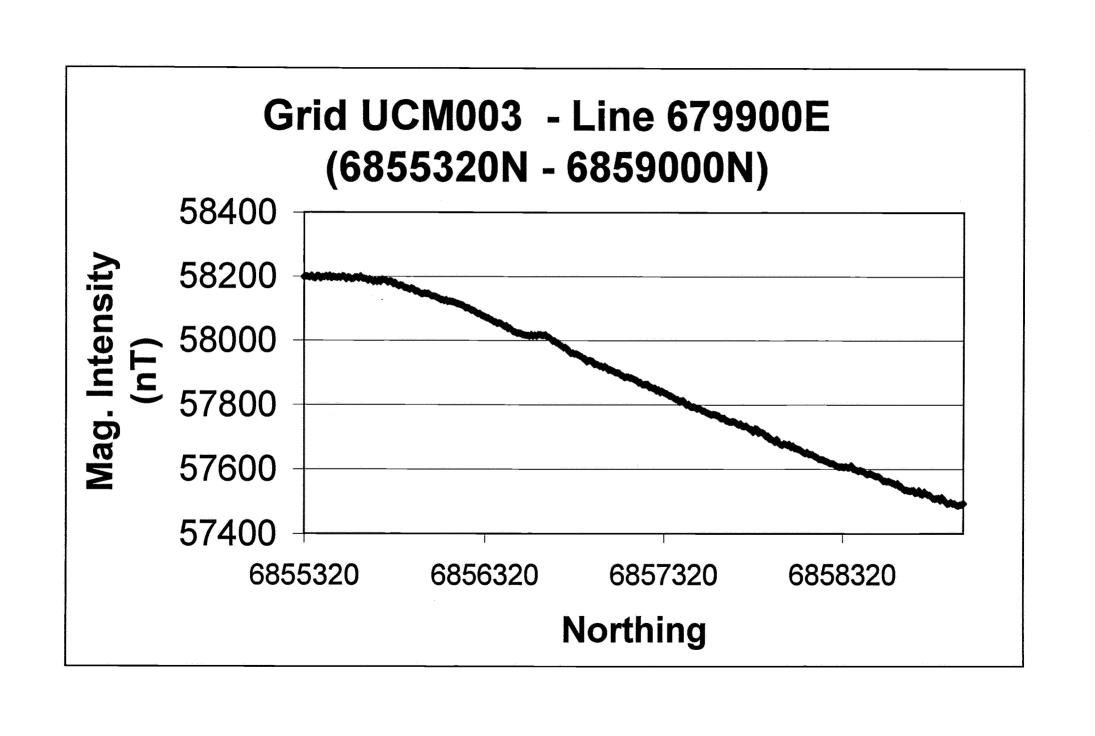


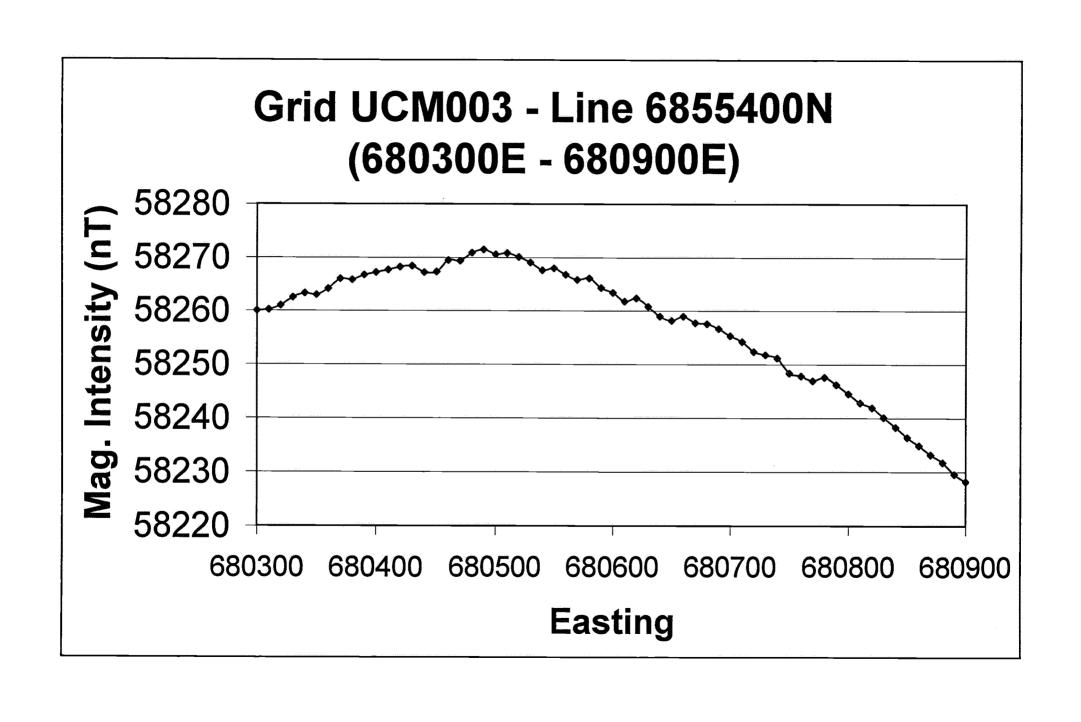


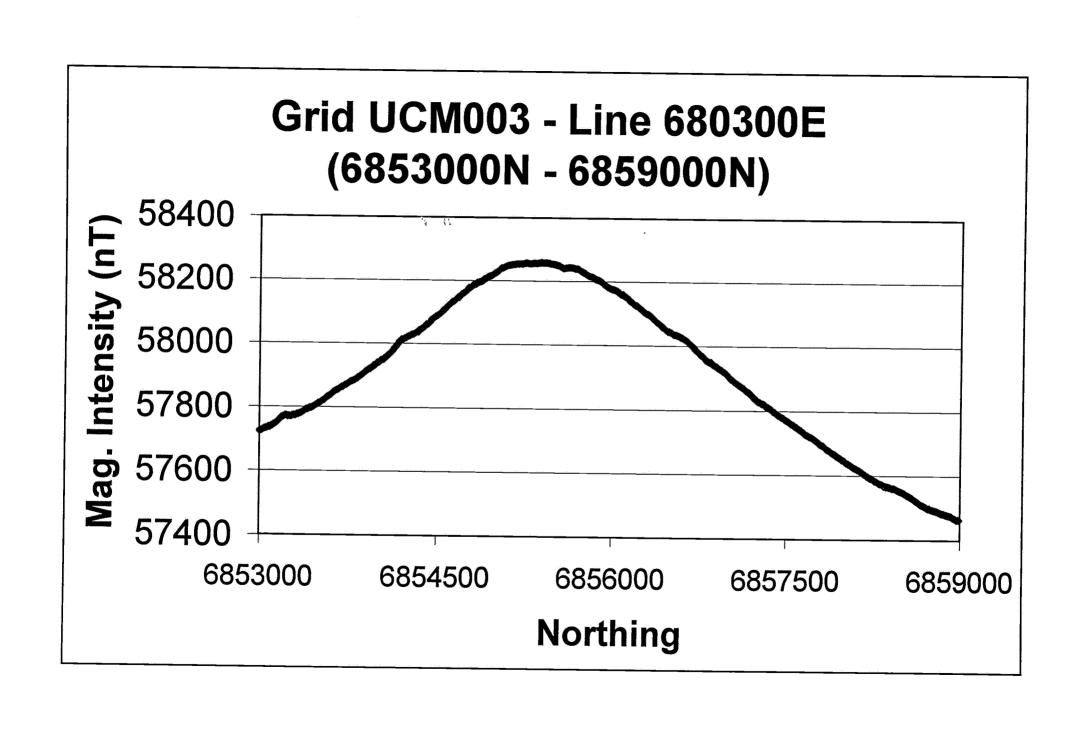


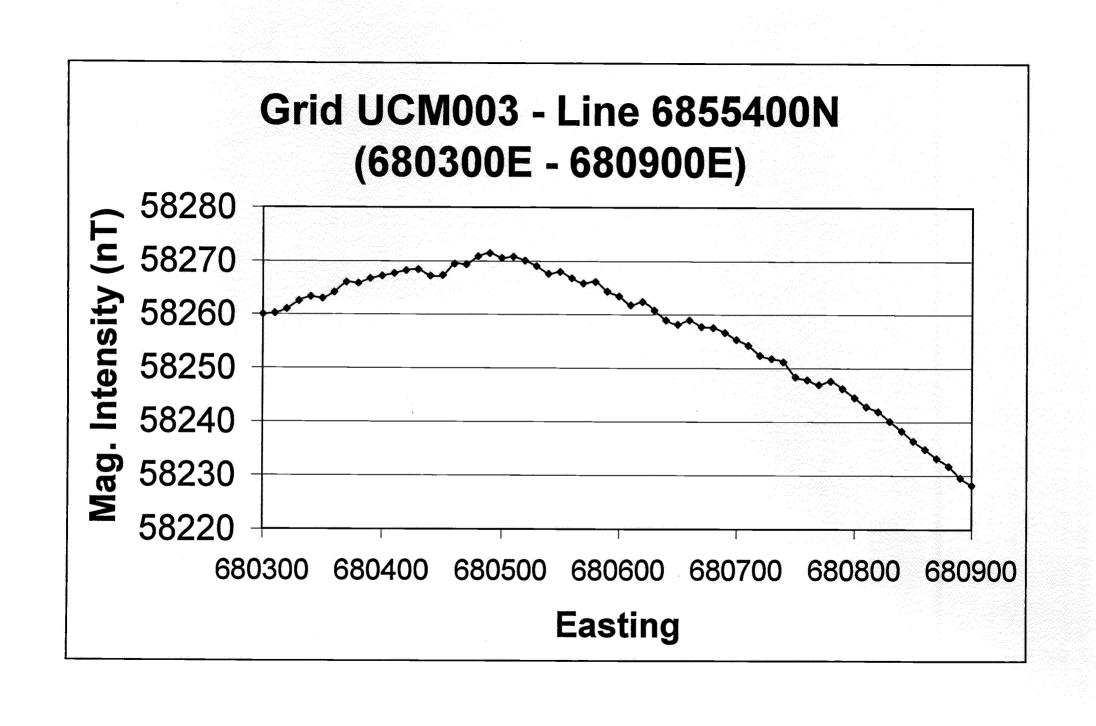


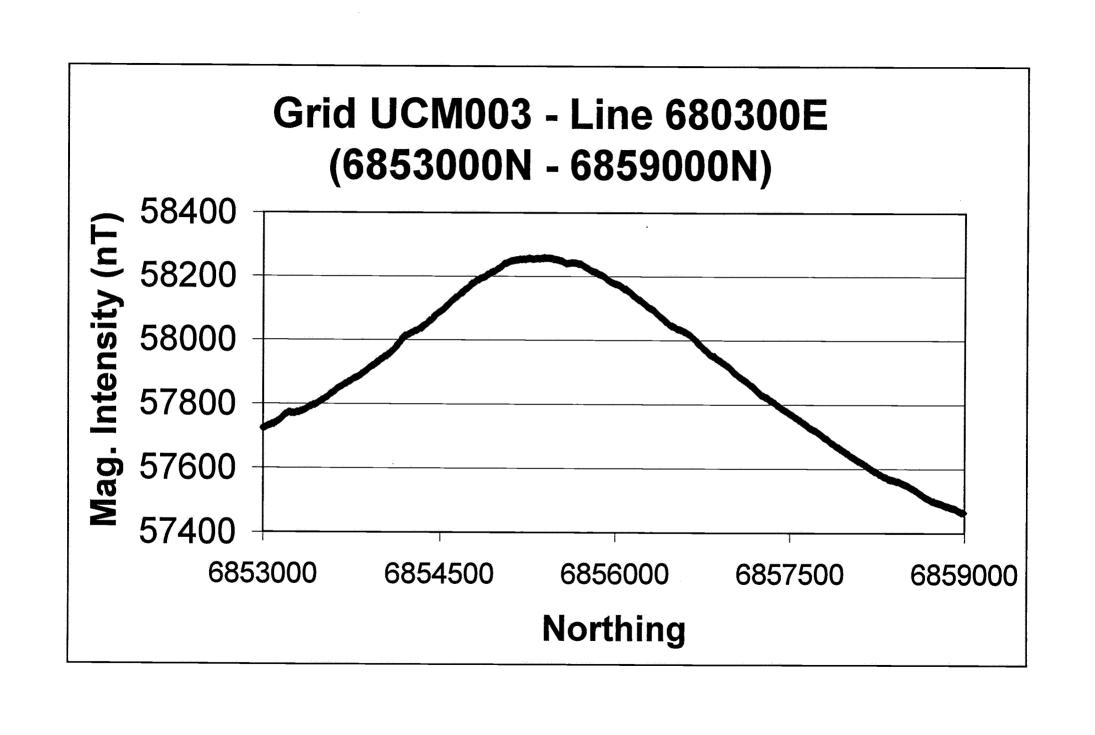


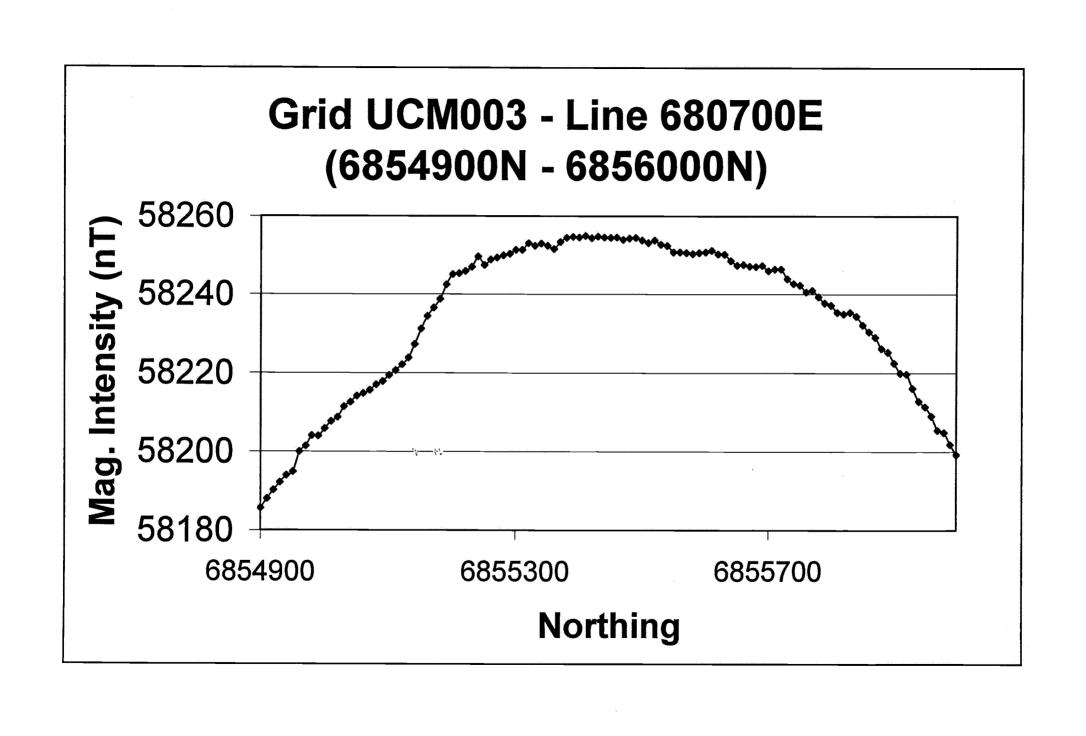


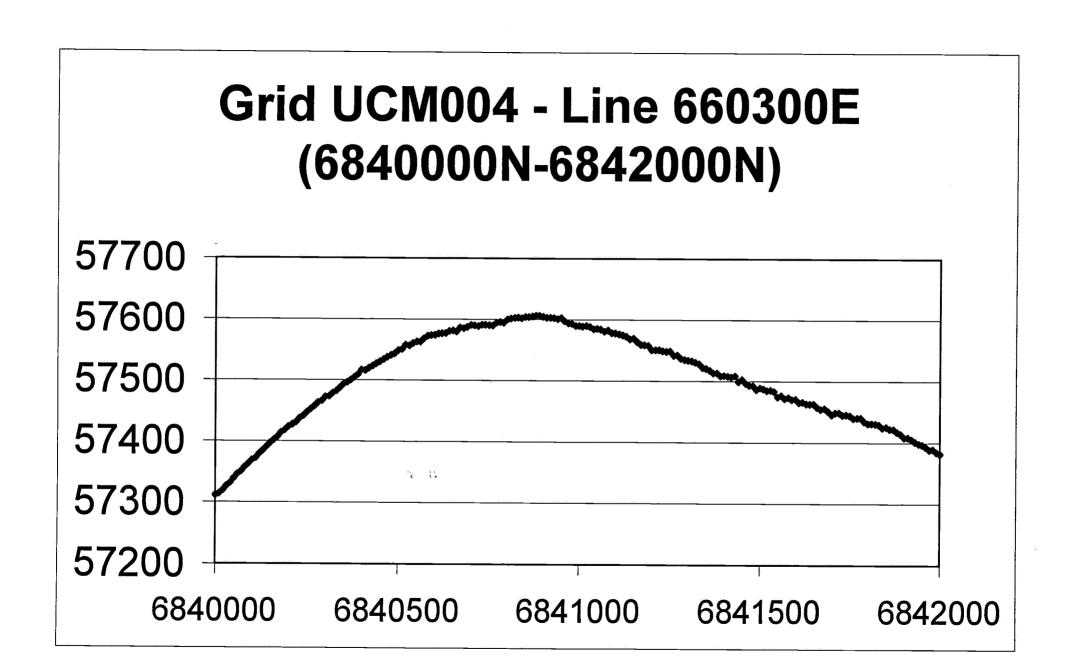


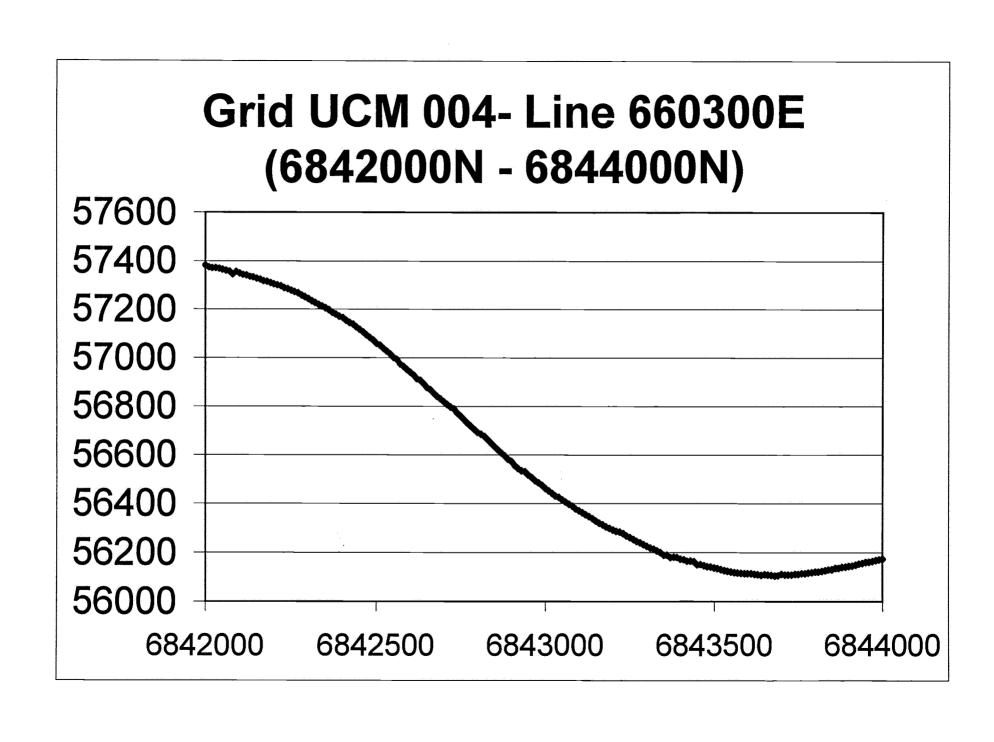


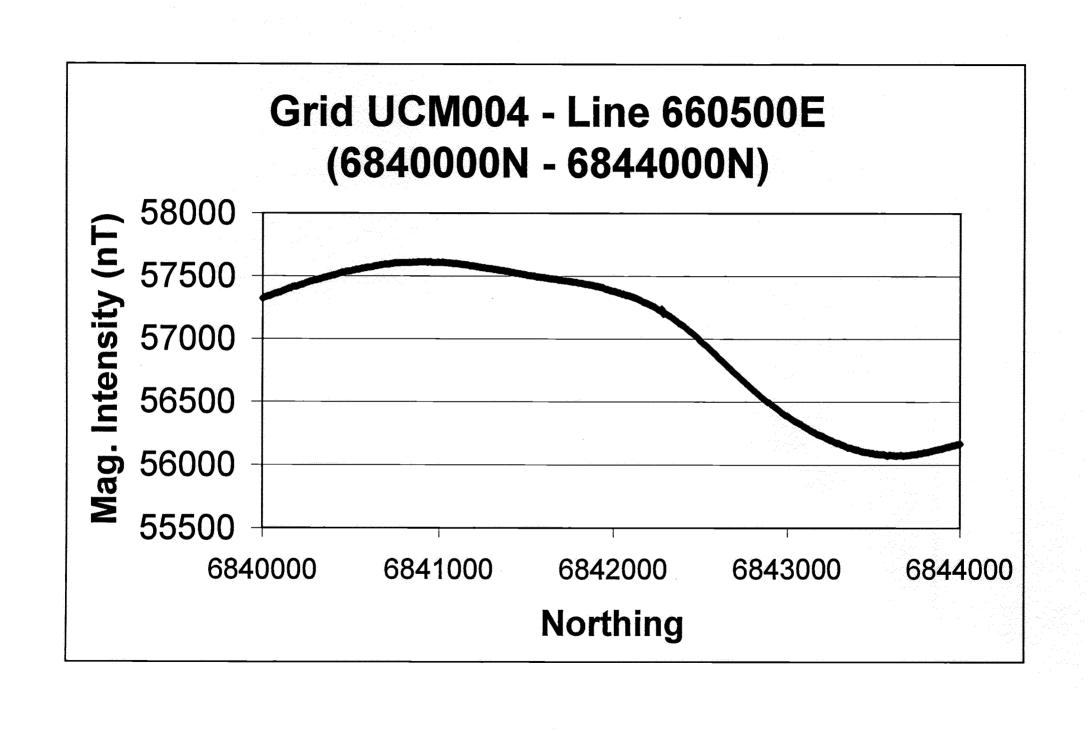


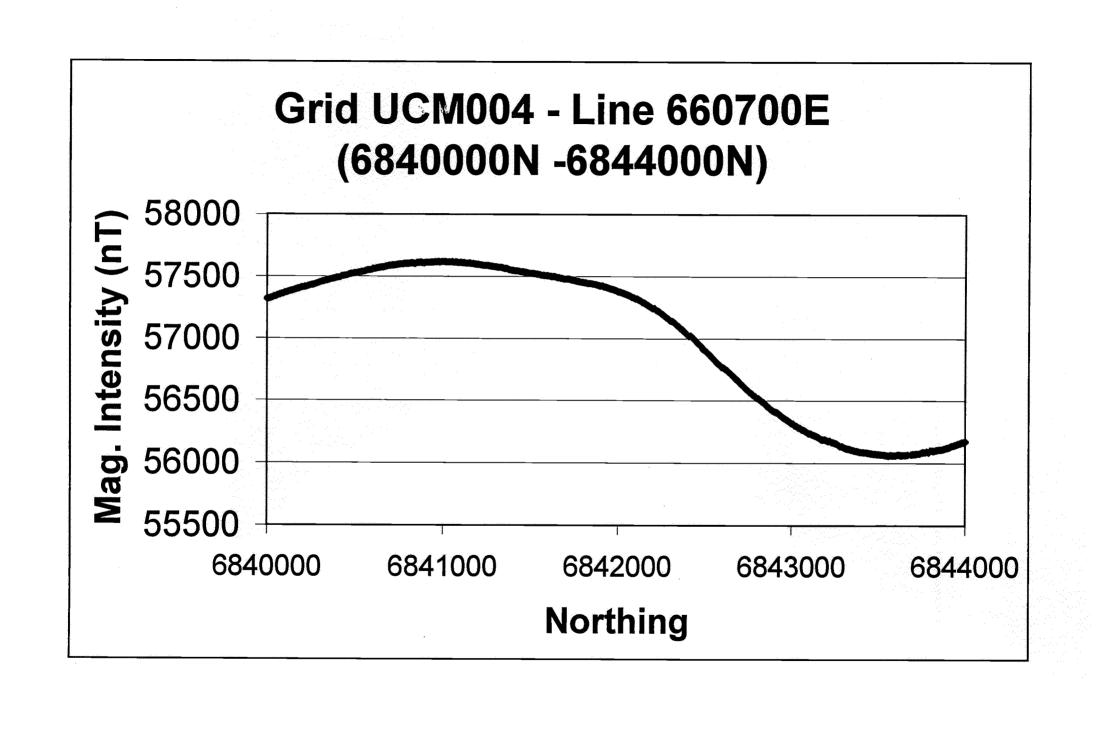


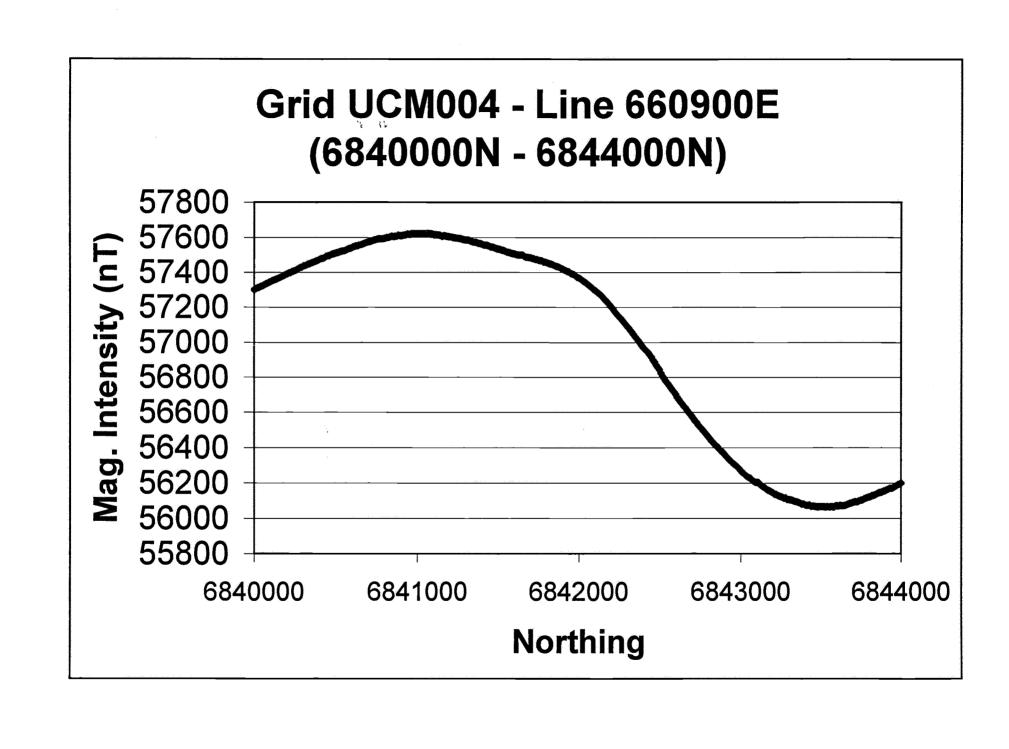


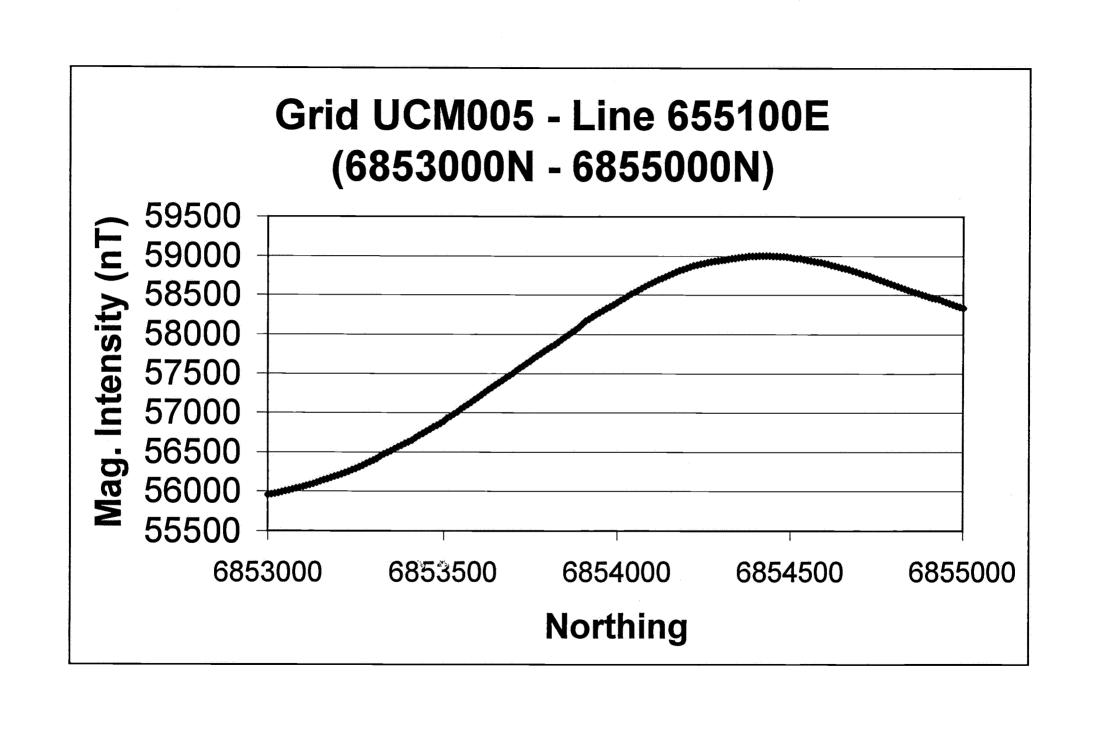


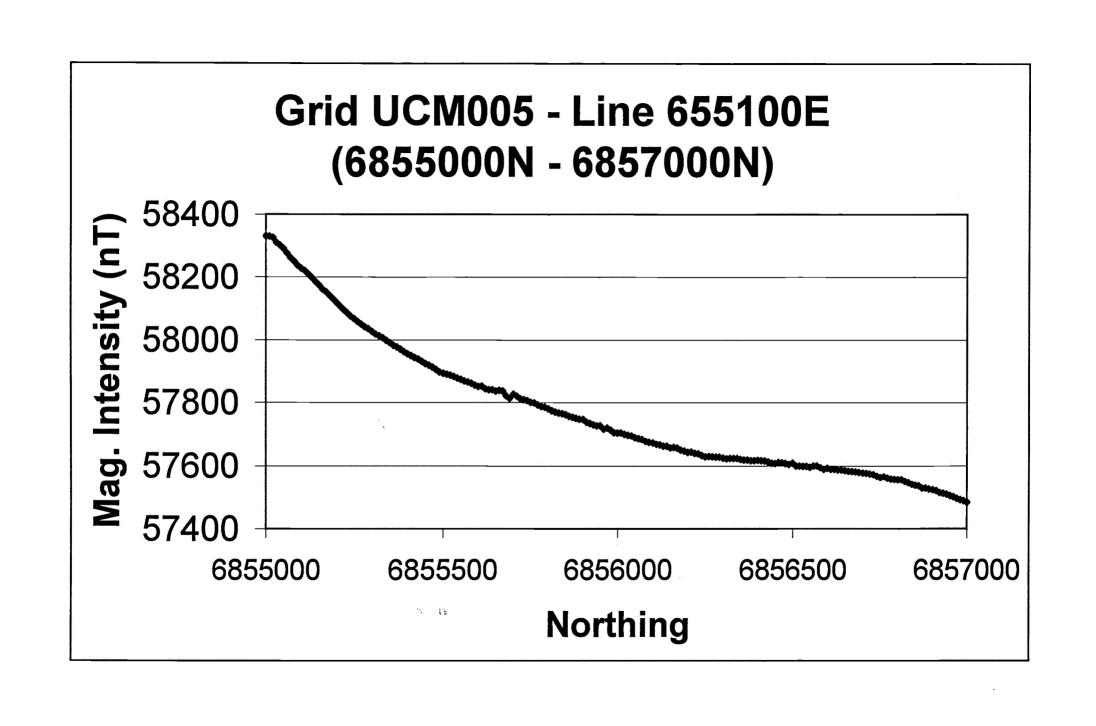


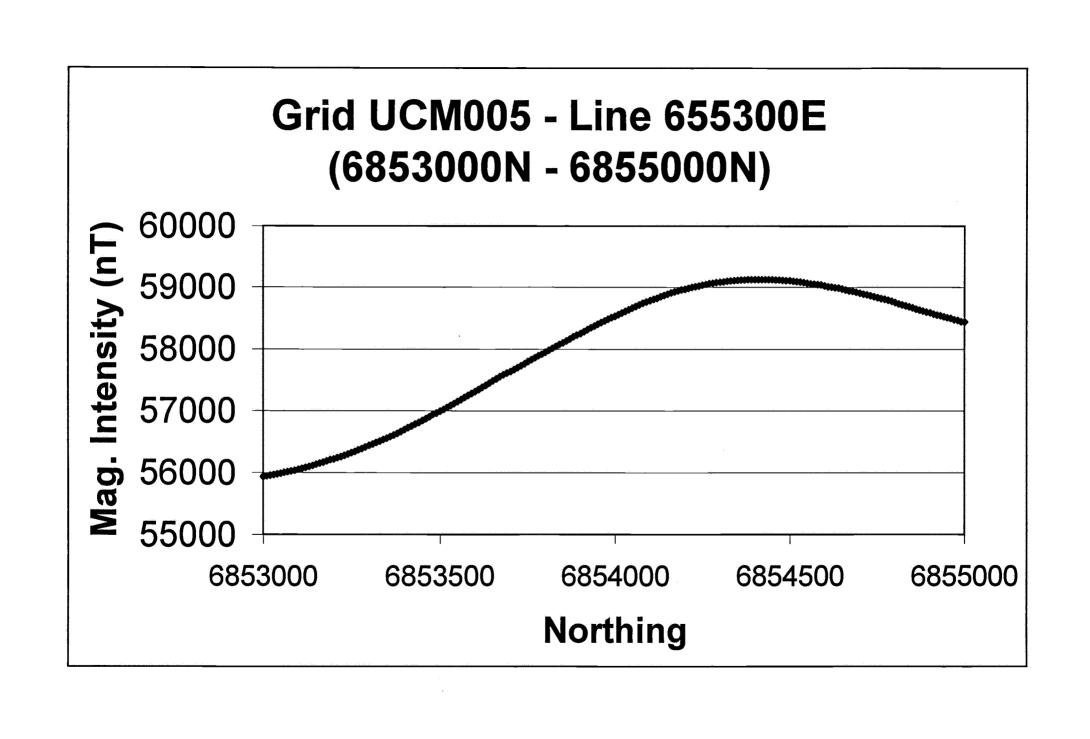


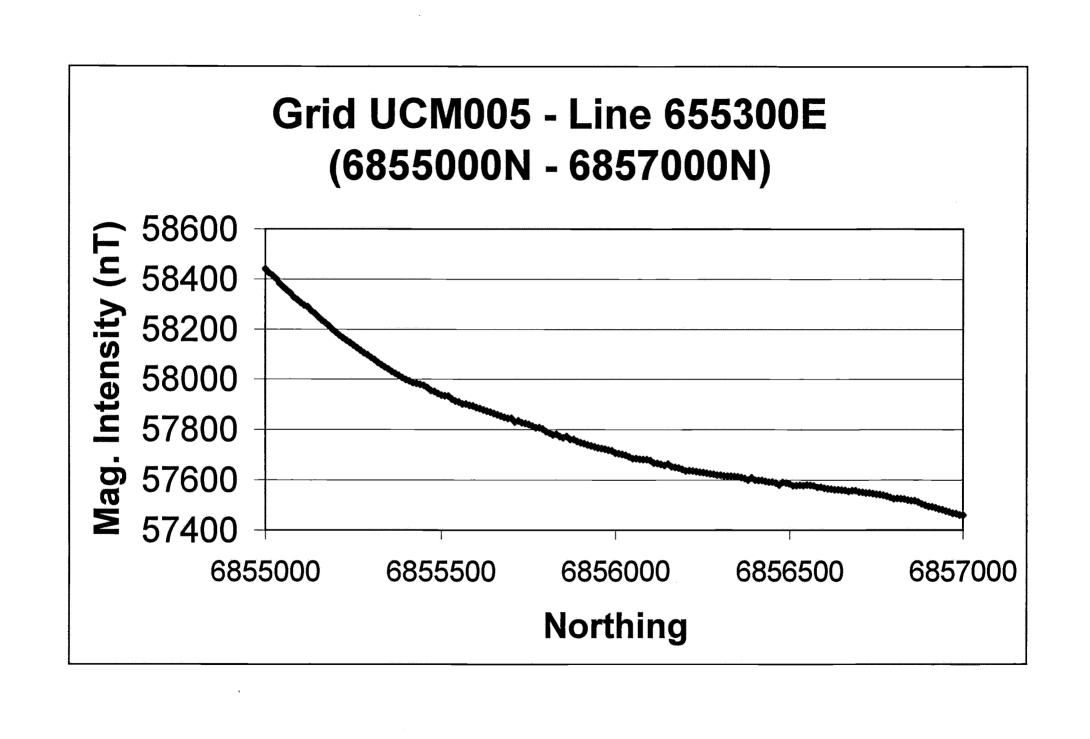


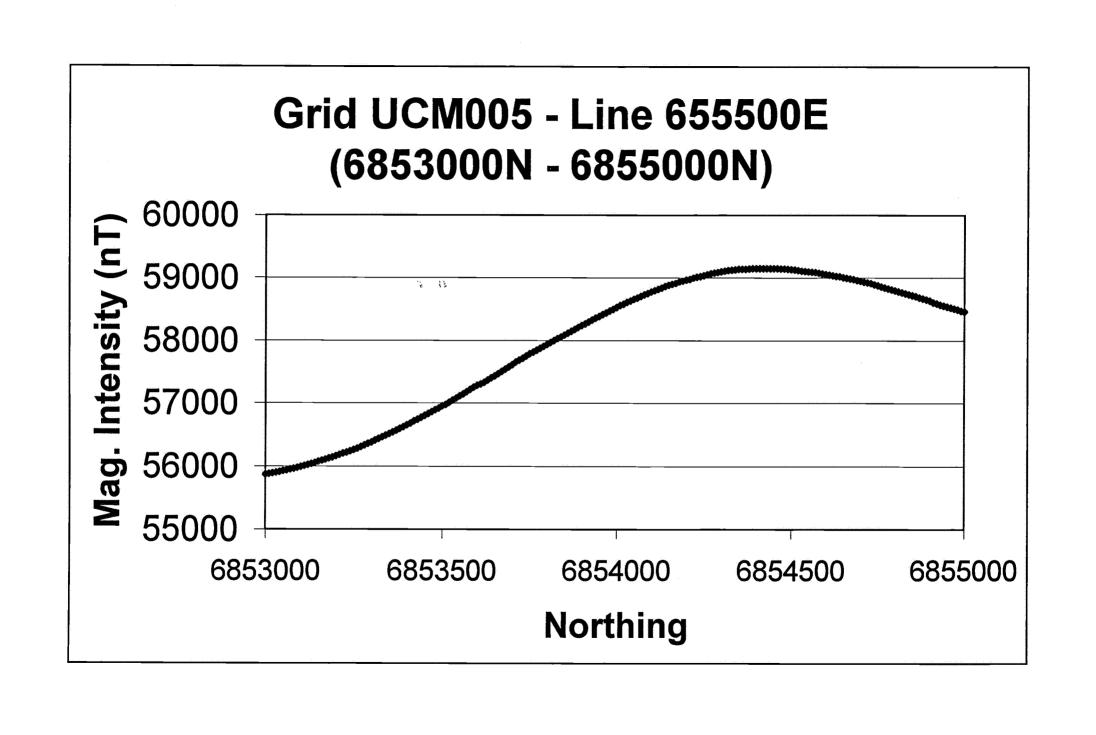


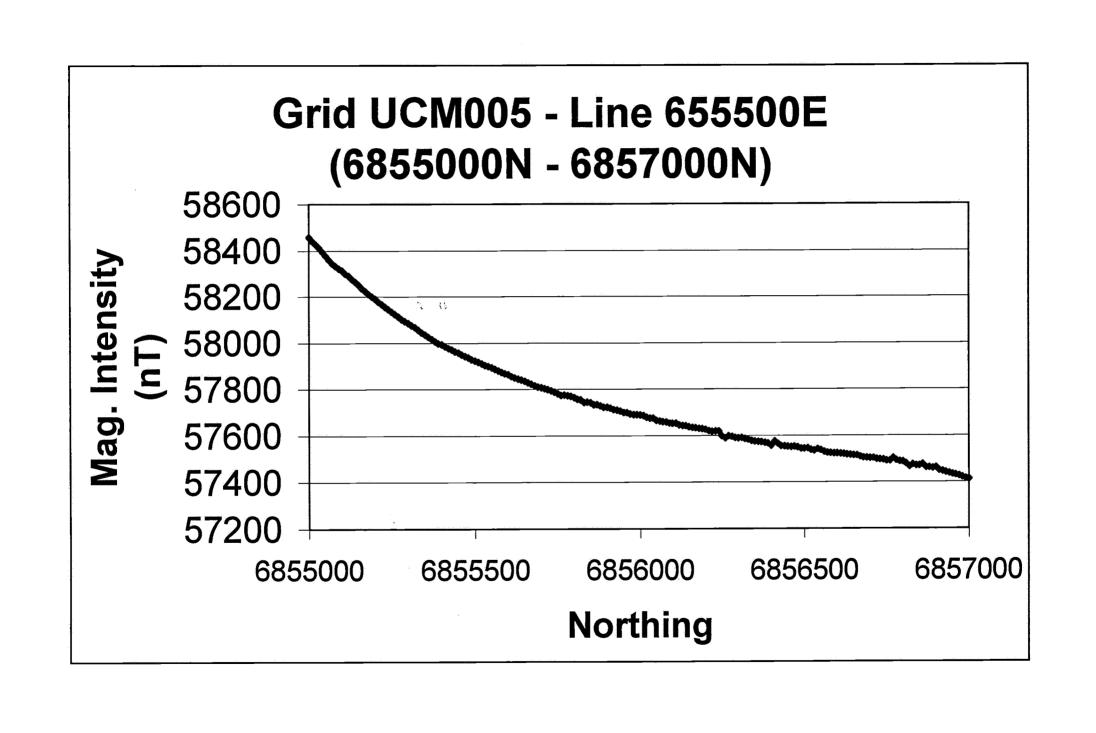


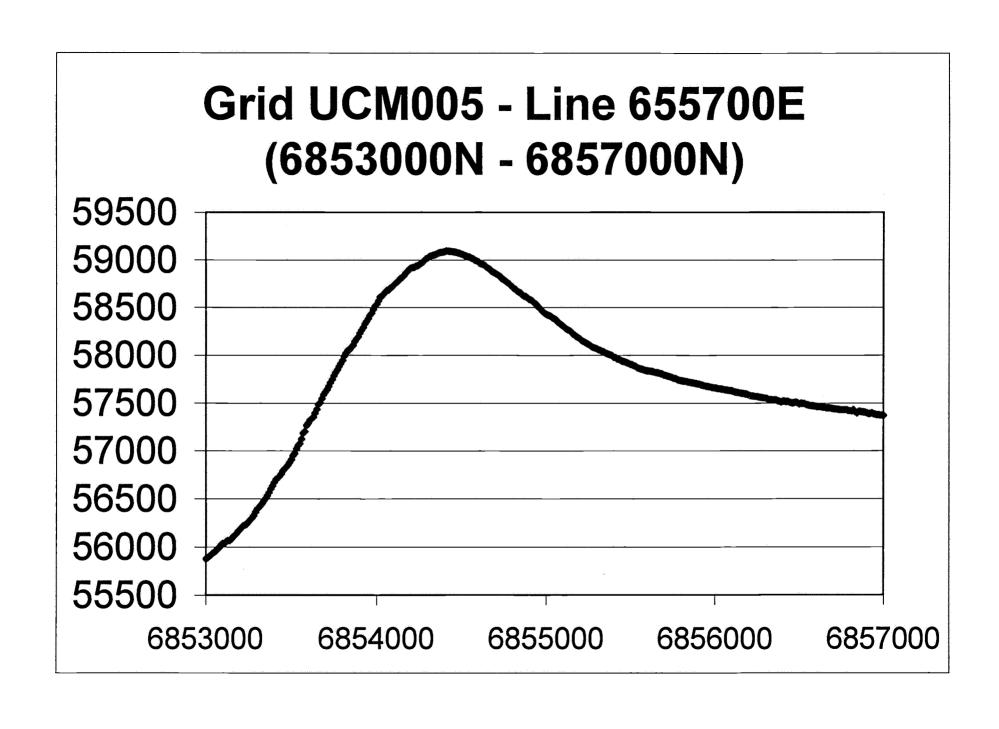


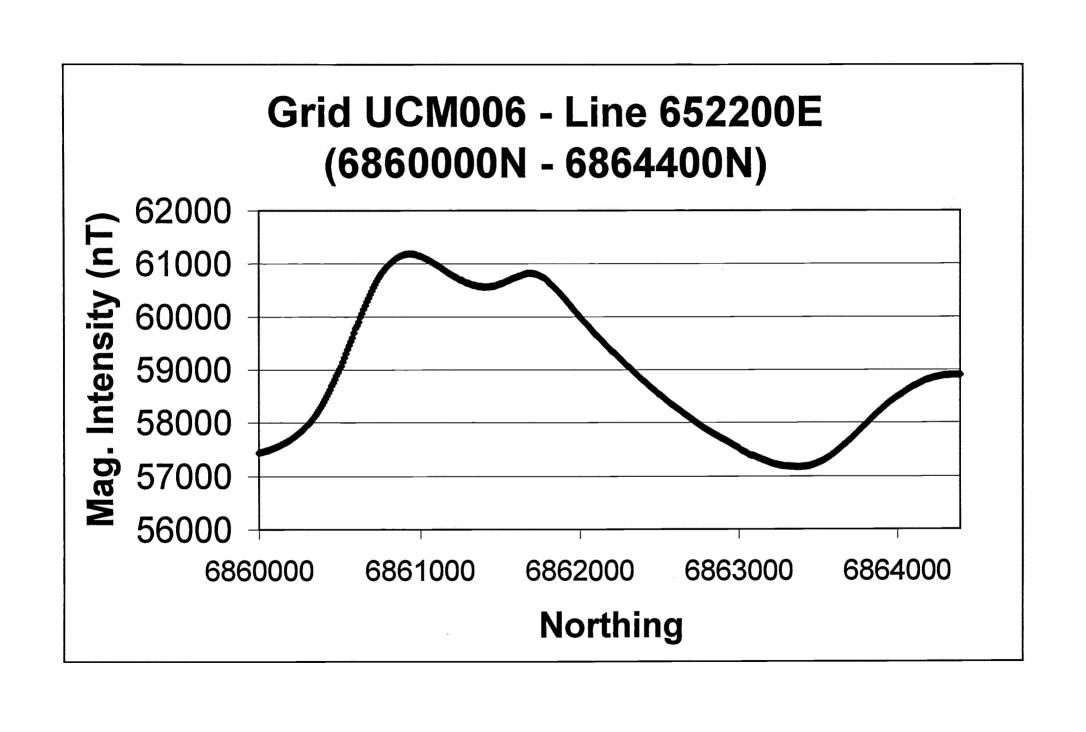


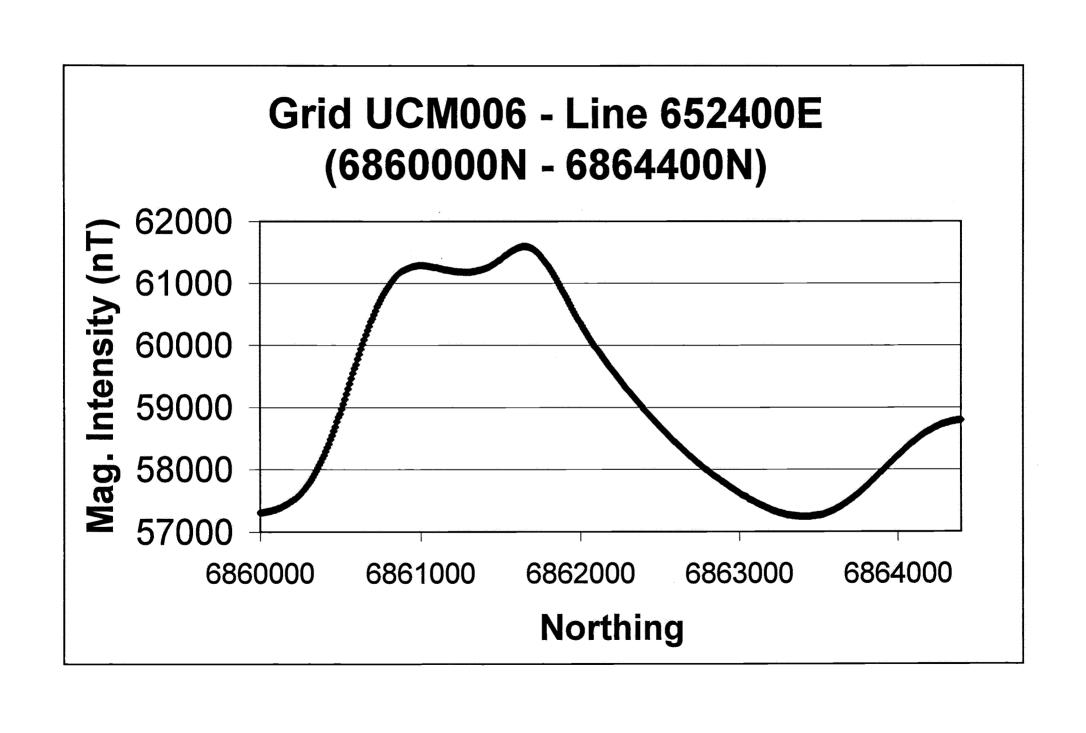


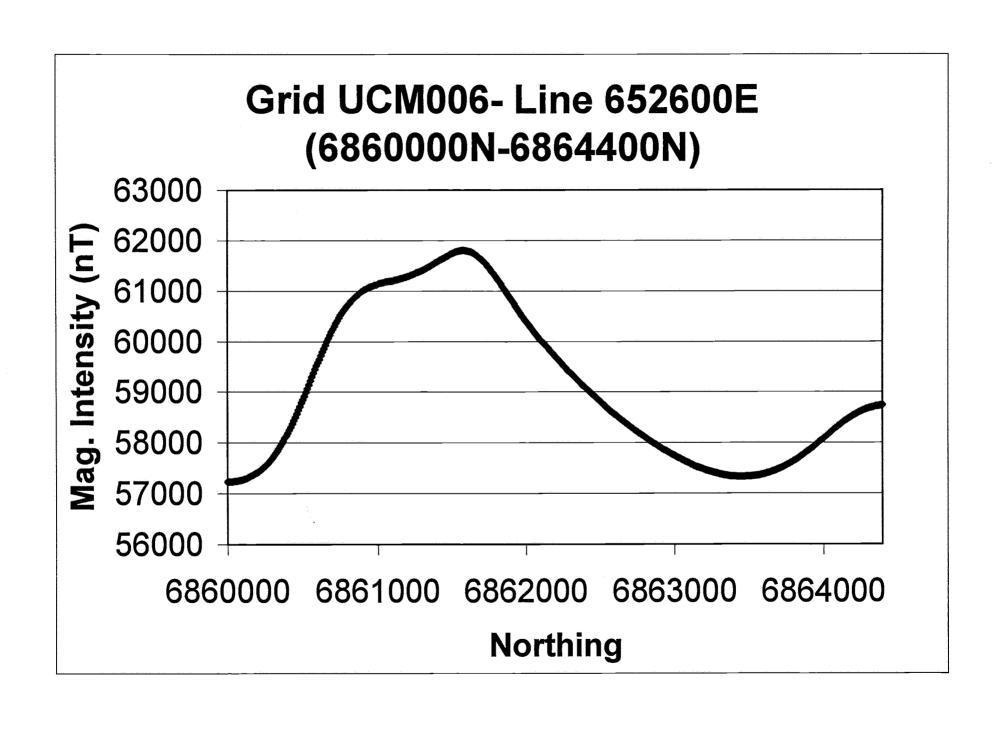


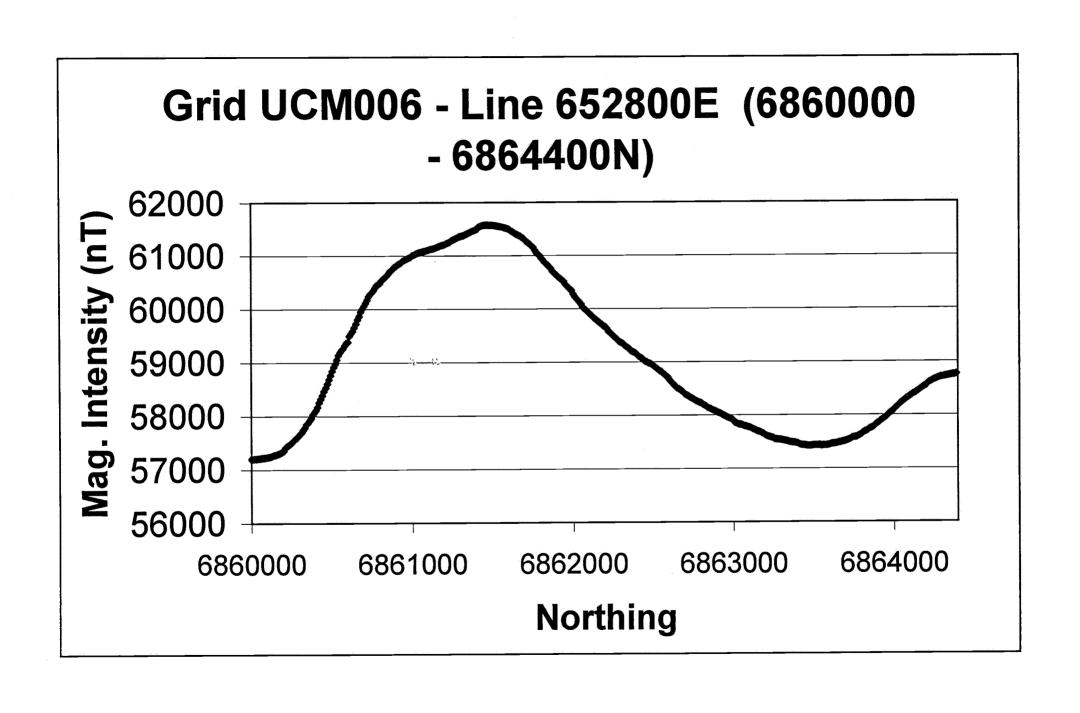




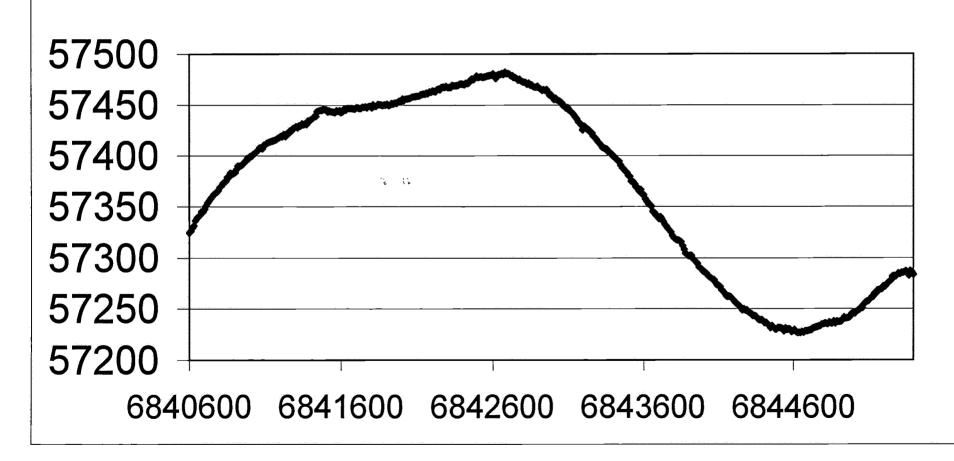




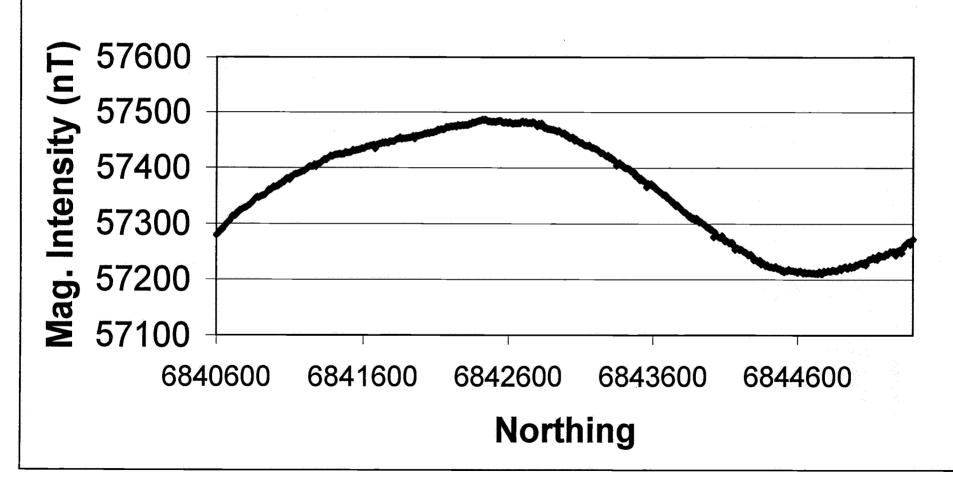




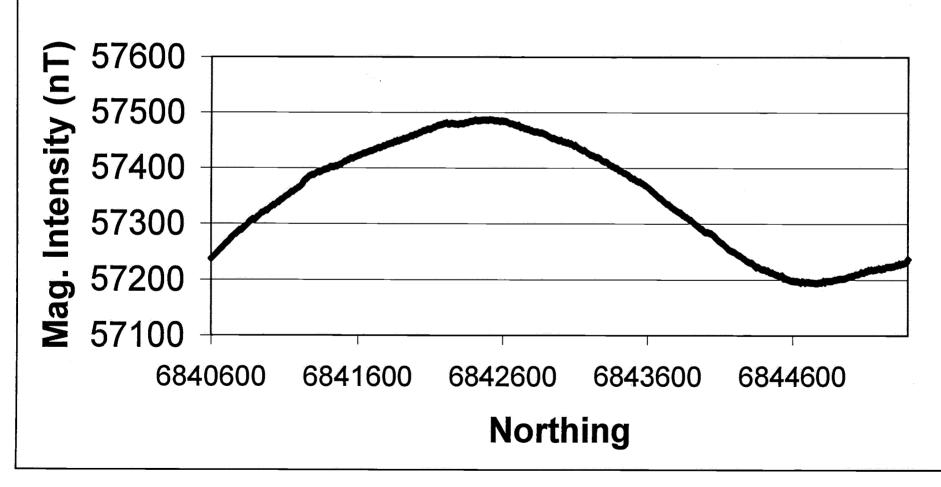


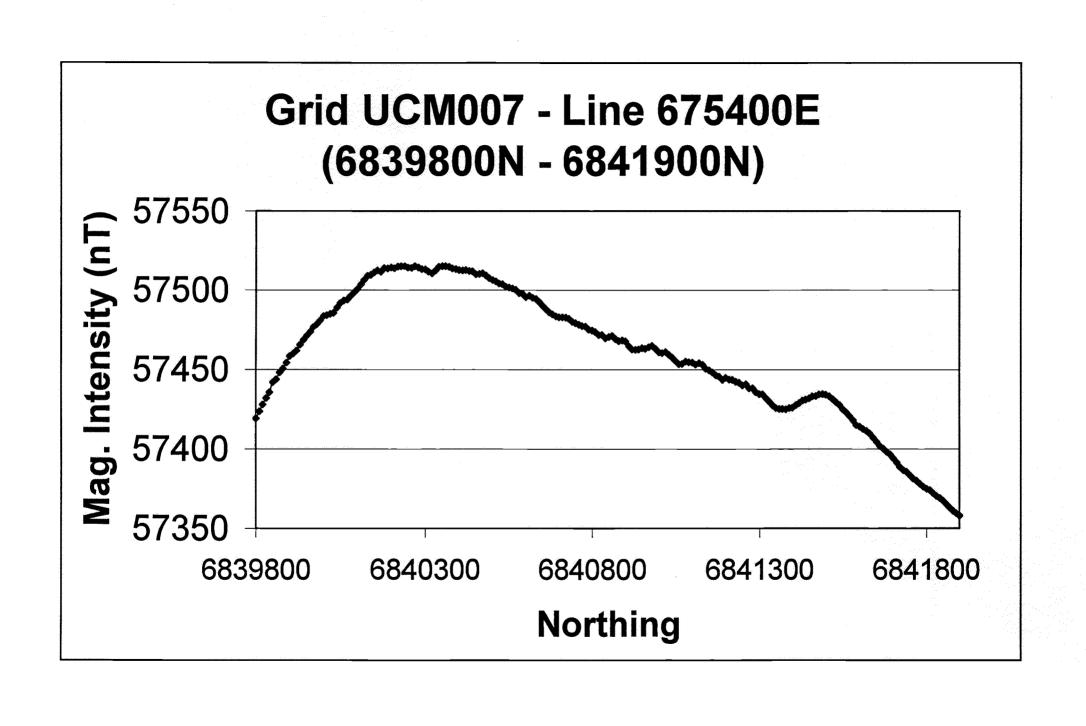


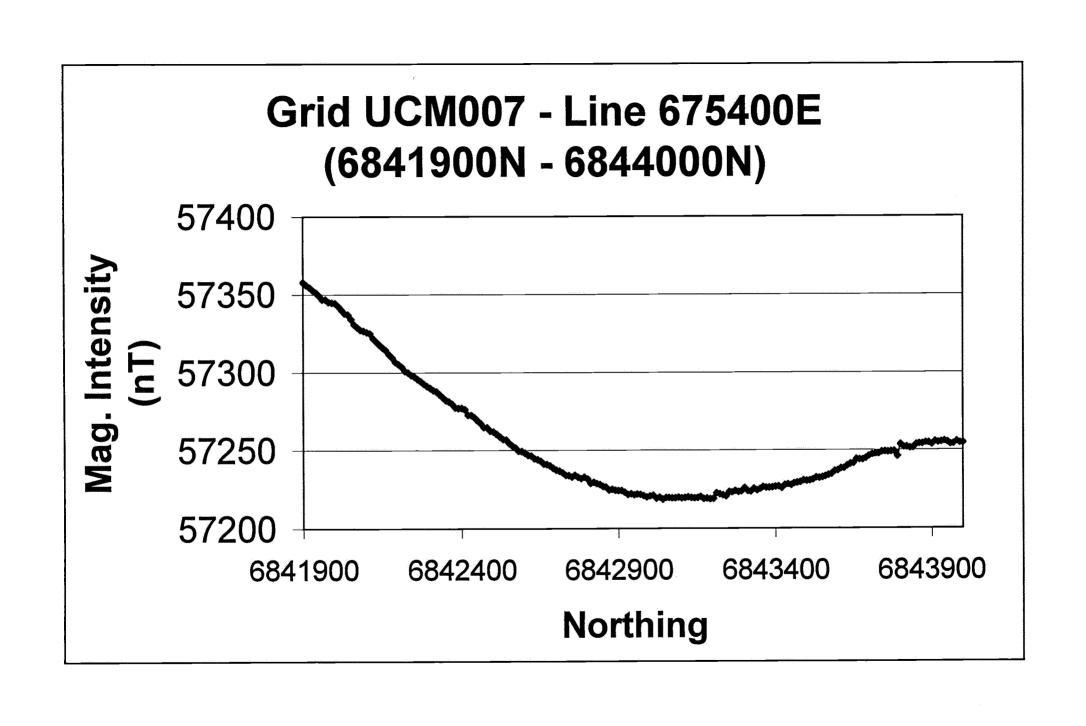


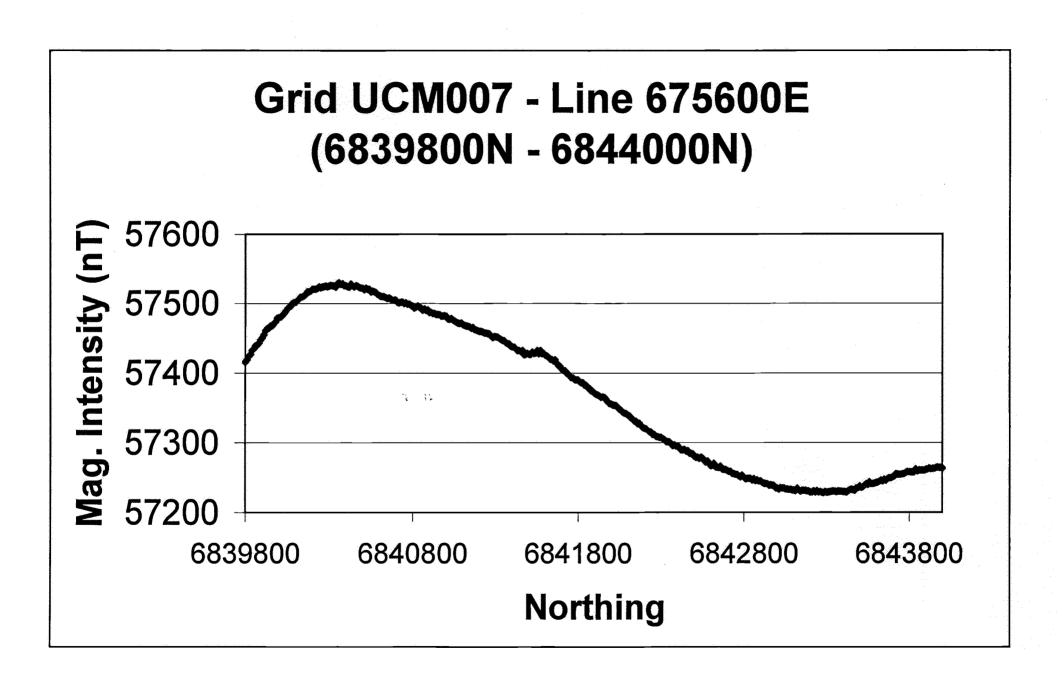


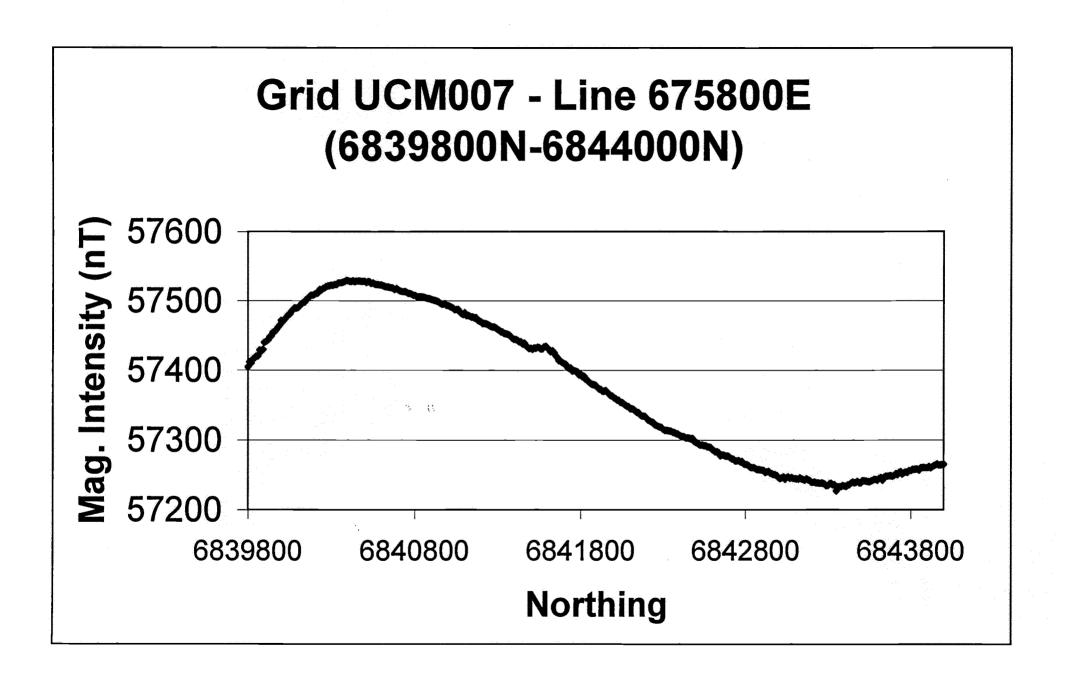


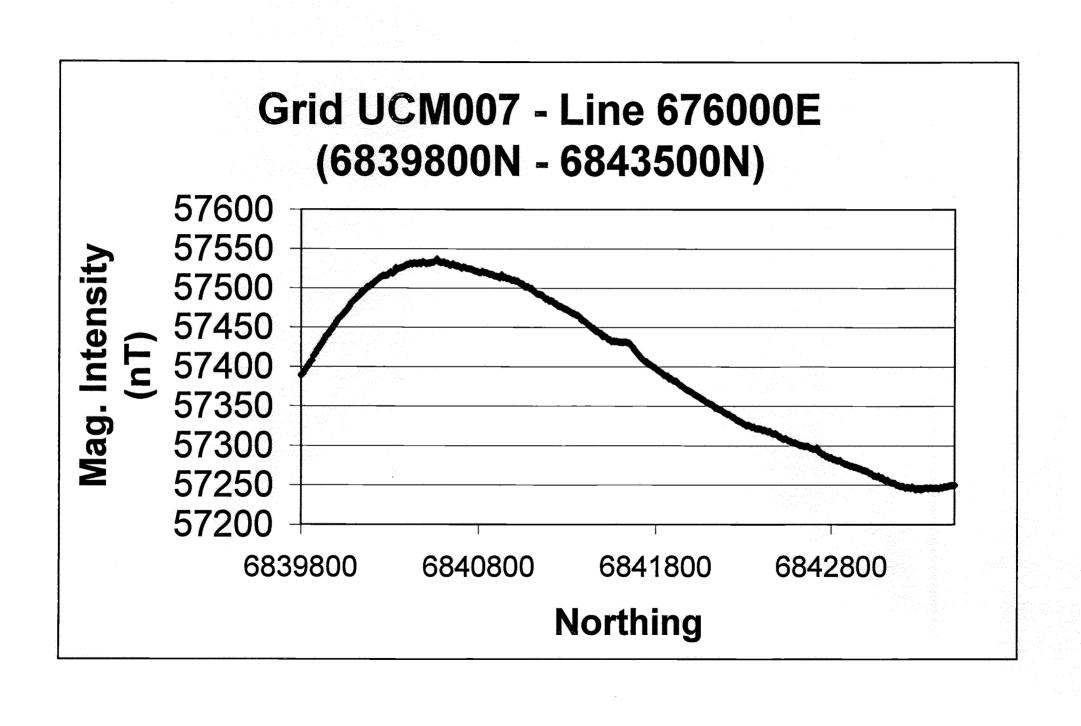


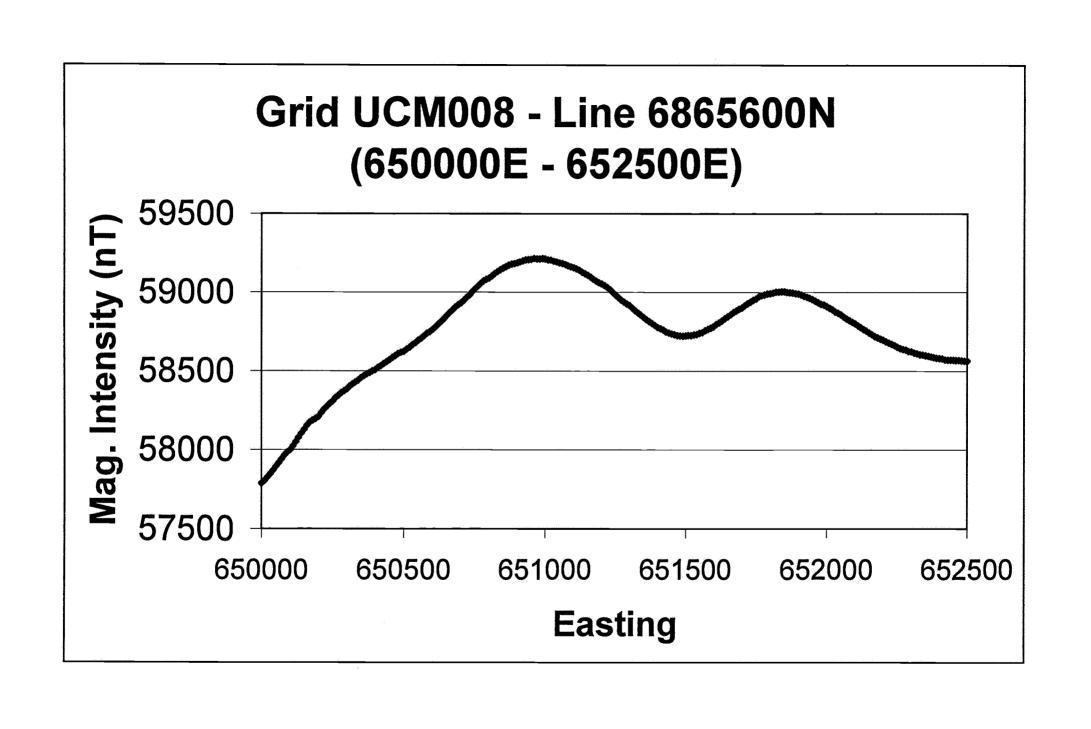




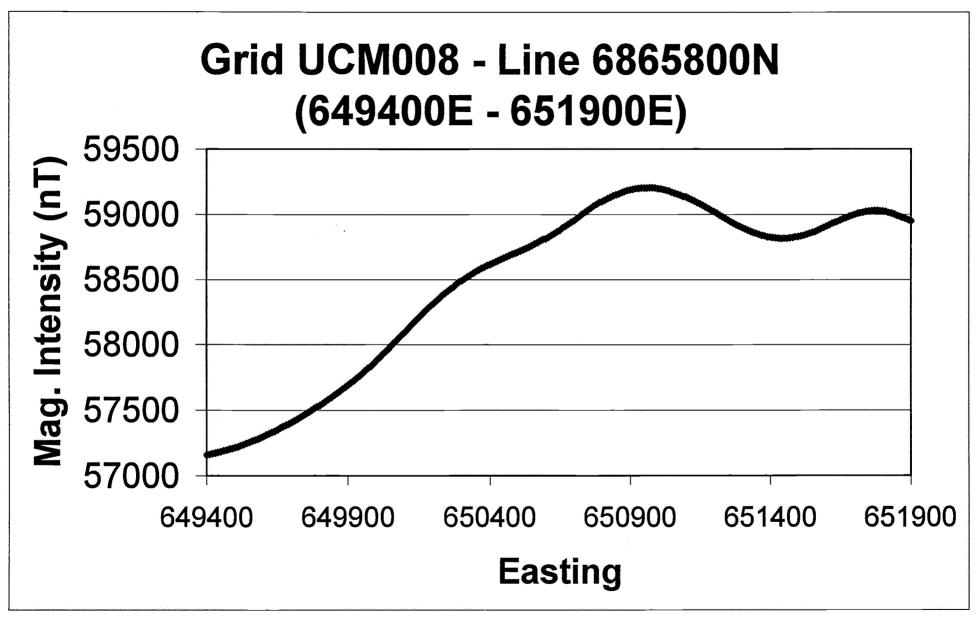


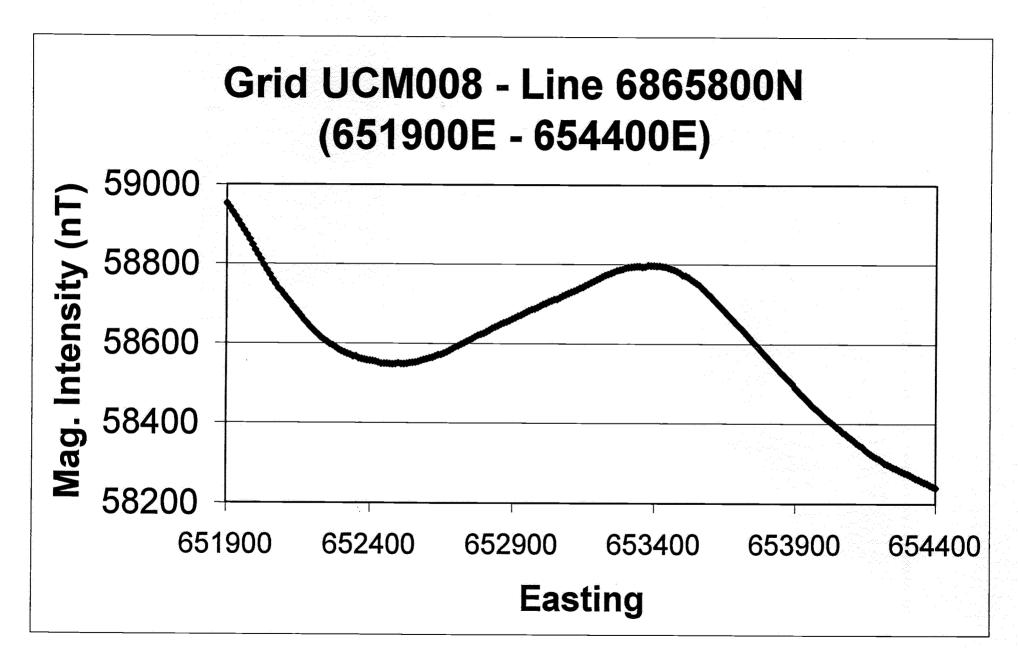


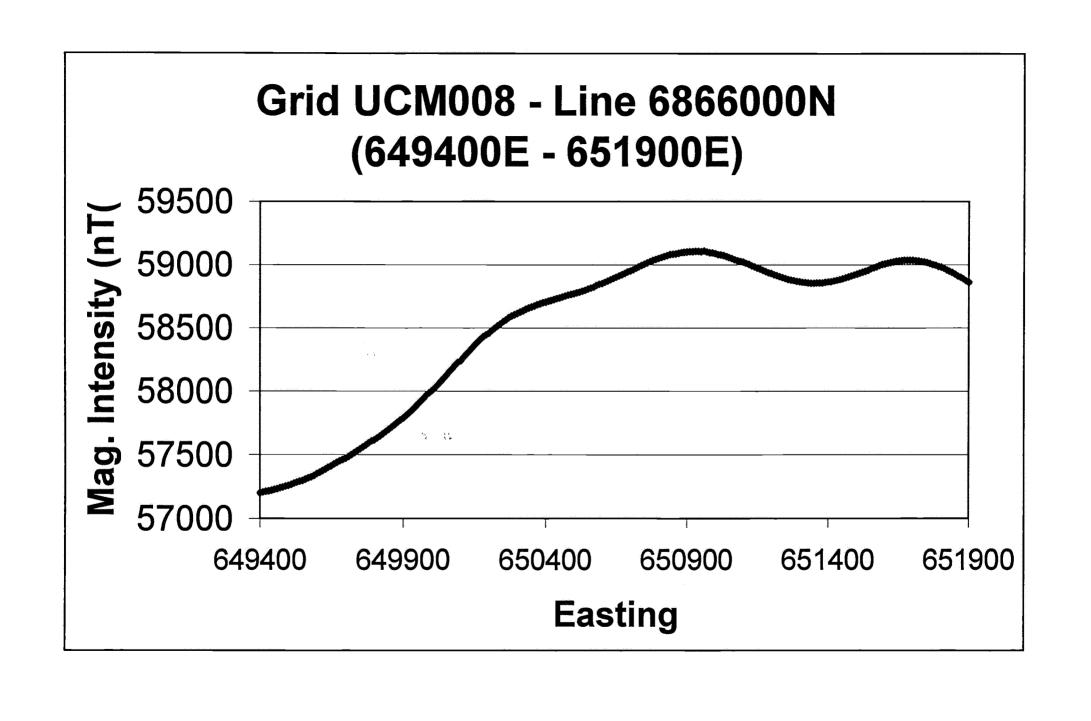


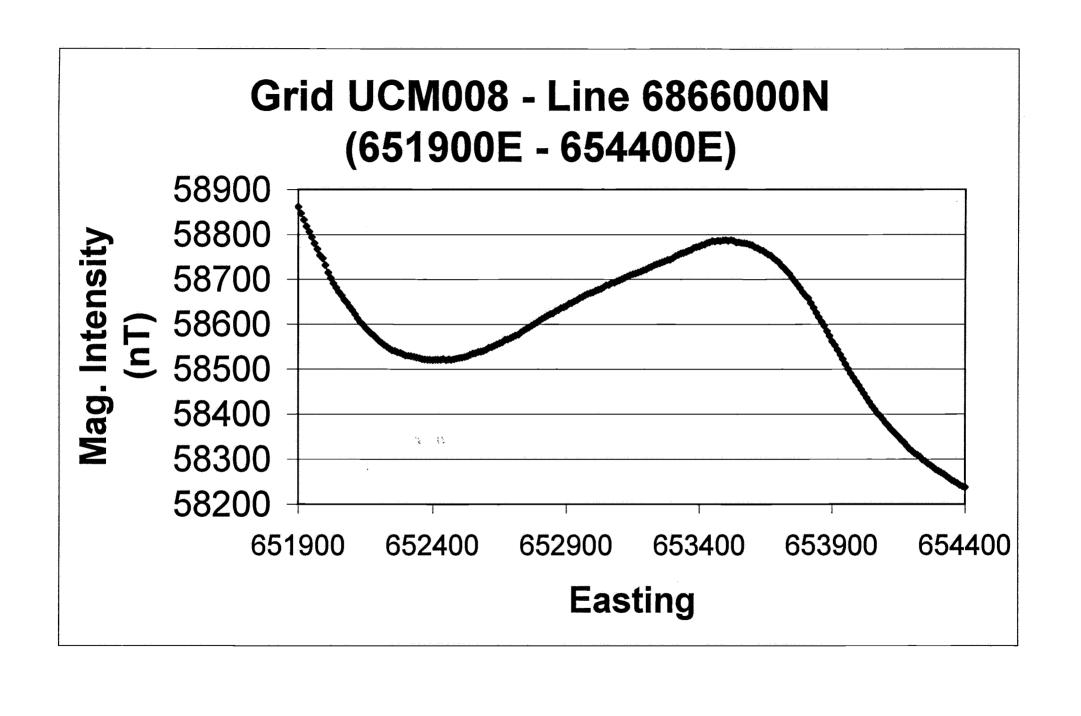


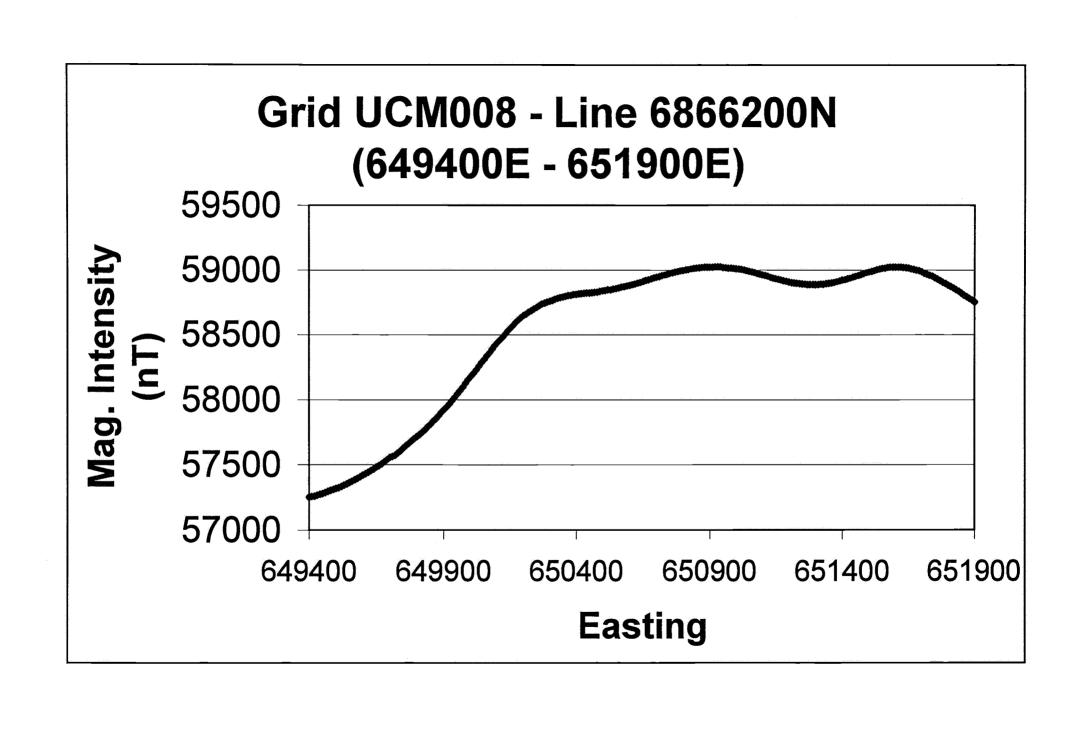
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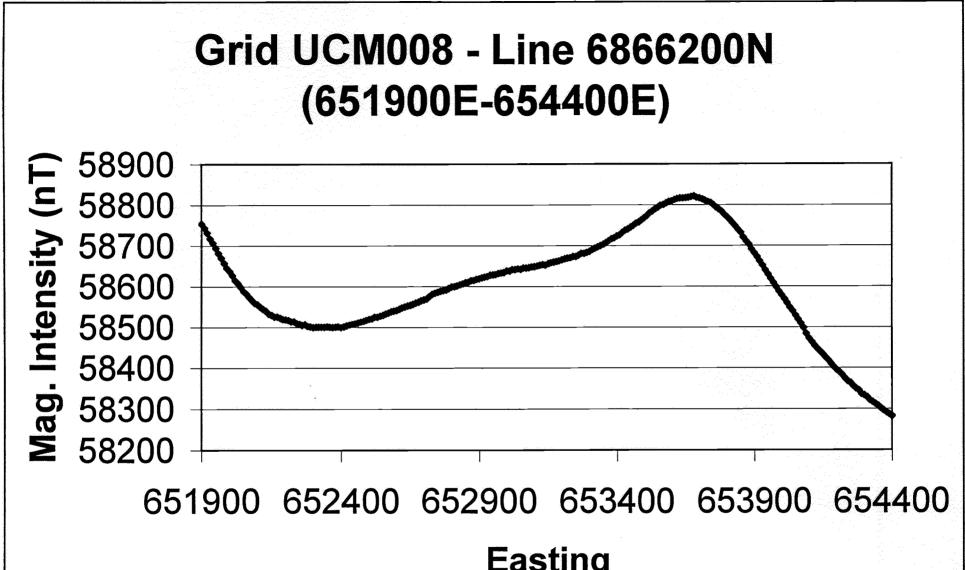




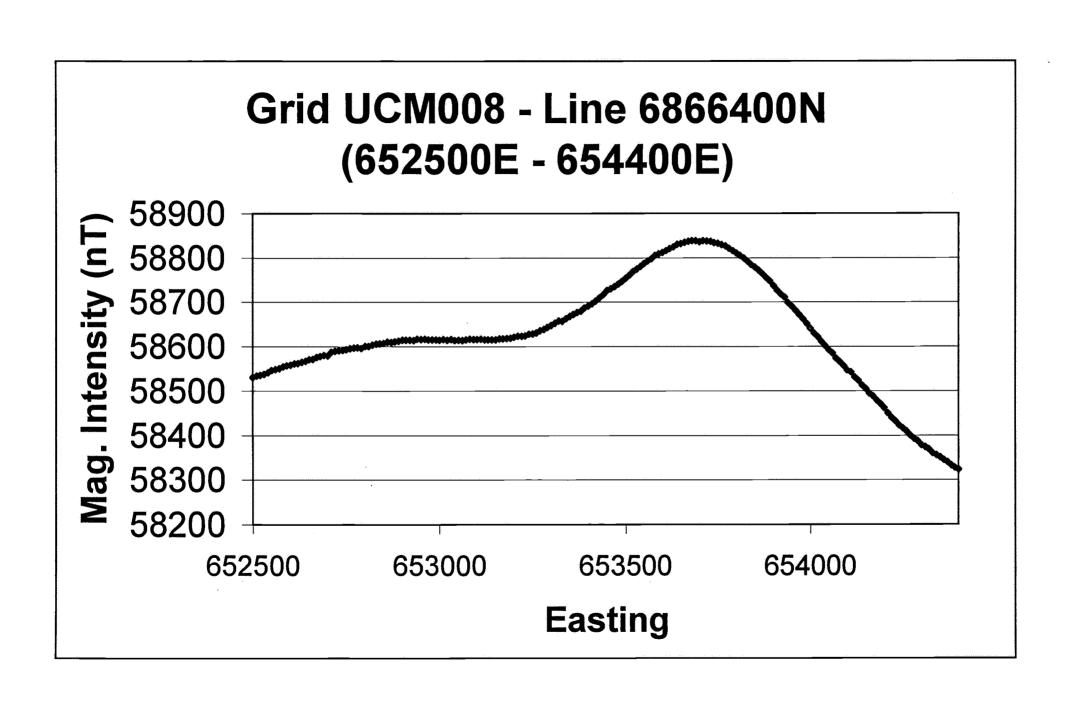






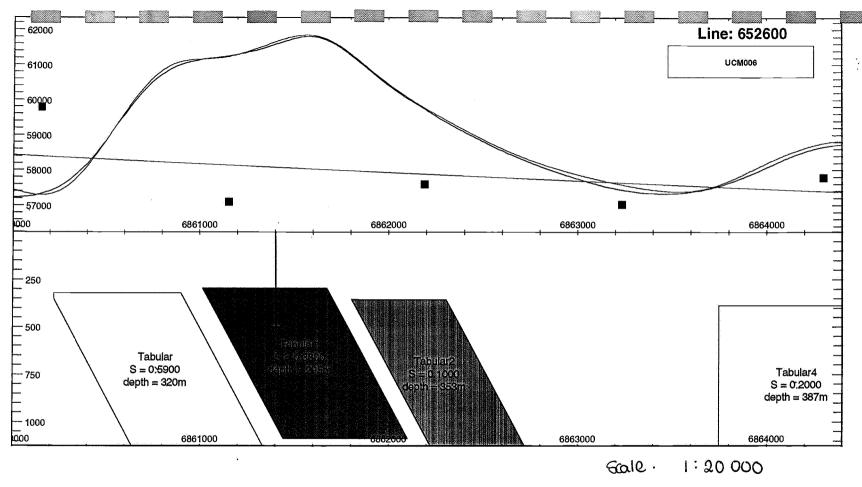


**Easting** 



# APPENDIX TWO

**Models and Images for Ground Magnetic Surveys** 



Drill hole co-ordinates
652600E, 6861400N - UCD 98-001

\$ 11

# **APPENDIX THREE**

**Logistics Report on Umbum Creek Regional Gravity Survey - Haines** 

# HAINES SURVEYS SATELLITE SURVEYING EXPLORATION

SURVEY REPORT FOR

# **UMBUM CREEK GRAVITY SURVEY**

# MINERALS DISCOVERY GROUP BHP WORLD MINERALS

**AUGUST 1998** 

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Station Locations	18
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Bouguer Anomaly Contours and Zoned Image	20
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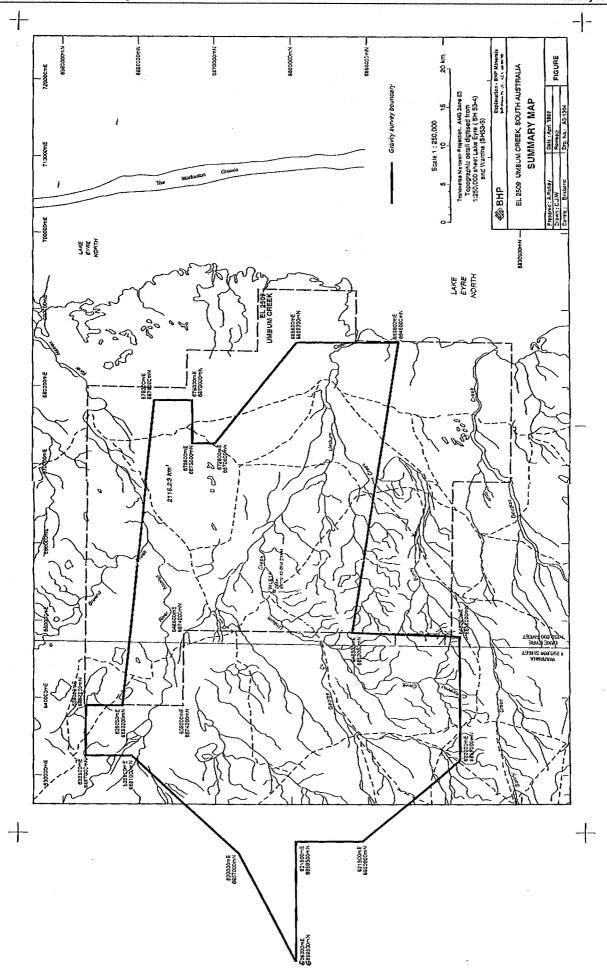
## Introduction

A GPS gravity survey has been carried out in the Umbum Creek area in South Australia over 34 days from 14/7/98 to 16/8/98.

Umbum Creek is located on the western side of Lake Eyre approximately 60 Km north of William Creek.

The survey consisted of 2177 stations (including repeat points). The grid consisted of stations at a spacing of 1 Km.

Figure 1 below shows the survey area boundaries and location.



## **GPS Observations and Processing**

Carrier phase GPS data has been collected using Trimble 4000 series Geodetic receivers.

Measurements to existing control have been made using Static techniques. All static baselines have been processed to double difference fixed solutions resulting in horizontal and vertical precision of approximately 2 cm.

Measurements for gravity observations have been made using Post Processed Kinematic techniques giving horizontal and vertical precisions of at least 5 cm.

GPS data was processed using Trimble's GPSurvey V2.30.

The GPS horizontal coordinates (WGS84 datum) have been transformed to AGD 84 coordinates using the ICSM published 7 parameters. The AGD84 Latitude and Longitude is then converted into AMG Zone 54 grid coordinates.

The GPS ellipsoidal heights (WGS84 datum) have been corrected to orthometric heights (AHD) using the OSU91a geoid model.

Details of Horizontal and Vertical control are given in the sections below.

## **Gravity Observations**

Gravity measurements have been made using 2 Scintrex CG3 Autograv instruments. Instrument # 310217 and 704365 were used in this project.

Readings of 120 seconds were taken at base stations. Readings of 40 seconds were taken at all other gravity survey points.

Base station readings were taken at the beginning of the day and at the end of the days field work.

The CG3 instrument applies an instrument drift correction to its final gravity reading. Any residual drifts between base station readings are corrected by the gravity post processing software. The instrument also applies Earth Tide Correction to its final gravity reading at each station. The instrument calibration constants are contained in the daily gravity data files.

The meter behaviour was monitored throughout the survey and both meters exhibited consistent linear drift patterns.

Repeat readings were taken to check instrument calibration, reading repeatability and to detect any tares in the data. A total of 111 repeat readings were taken. A listing of the repeat values are shown in the Appendix.

## **Survey Control**

A local base station was established near the centre of the survey area about 100 metres north of Umbum Creek about 2 Km west of the track that runs between No3 Bore and Up and Down Dam. The survey mark has been designated 0001. The ground mark is a 0.5m long steel star picket driven into the ground. A witness post (black painted steel star picket) is adjacent.

Horizontal control was established from the Four Hills Trig Station 6140/1016. This is a 3rd order geodetic survey mark.

Vertical control (AHD) for the survey was established from 3rd order Bench Marks 6140/1050 and 6140/1051.

The coordinates and heights for the above survey marks were supplied by the SA Dept of Environment Heritage and Aboriginal Affairs (DEHAA).

The gravity datum for this survey has been connected Australian National Gravity Network Station 6793.9308 at the William Creek Hotel. The AGSO supplied Isogal84 value is 979212.61 mgal.

	Base	0001 Gravity	Tie	,	·
		Stn	Time	Meter	
Meter 310217	Obs	6793.9308	9:00	3920.610	
	Obs	6793.9308	17:45	3920.580	
-	Calc	0001	14:54	3920.590	
	Obs	0001	14:54	3897.883	
	dG			-22.707	
	G (AGSO)	6793.9308		979212.610	
	G	0001		979189.903	979189.903
***************************************					
Meter 704365	Obs	6793.9308	9:11	3881.400	
	Obs	6793.9308	17:45	3881.230	
	Calc	0001	14:55	3881.290	:
	Obs	0001	14:54	3858.600	
	dG			-22.690	, , , , , , , , , , , , , , , , , , ,
	G (AGSO)	6793.9308	v	979212.610	
	G	0001		979189.920	979189.920
· · · · · · · · · · · · · · · · · · ·	G Mean	0001			979189.912

Pt ID		WGS 84		AMG 84	Zone 54	AHD	Gravity mgal	
:	Latitude	Longitude	Height	Easting	Northing	Height		
6140/1050	(28° 54' 47.04229)	(136° 21' 06.37553)	(76.795)	(631650.205)	(6800722.568)	69.845		
6140/1051	(28° 57' 03.46012)	(136° 23' 20.19232)	(89.167)	(635225.016)	(6796481.725)	82.240		
6140/1016	28° 30' 23.36950	136° 29' 20.37608	(117.94)	645591.571	6845613.568	(109.777)		
6793.9308							979212.610	
0001	28° 21' 01.04681	136° 32' 23.83660	26.333	650801.050	6862858,298	17.885	979189.910	
Values in bracke	ts were derived from the	e GPS survey						

## **Spring Hill Gravity Survey Ties**

Two of four survey control stations placed on the Spring Hill Gravity Survey (1992) were found.

AMG E	AMG N	AHD	Obs Grav	Remarks
617230.74	6851555.48	88.16	979188.756	Dumpy - height at top of peg, 0.14 above natural surface
				Broken picket - height at natural surface"

## **Point Numbering and Marking**

An 8 digit point number is used to identify each gravity station. The first 4 digits indicate the line number. The second 4 digits the station number. These 4 digits are constructed from the planned AMG coordinates for each gravity station.

Line No = AMG E / 1000

Stn No = AMG N / 1000

-4

eg. Planned gravity station coords

651000 E

6863000 N

Line No = 0651

Stn No = 6863

Pt No = 06516863

The gravity stations have not been marked in the field.

## **Gravity Processing**

The gravity values for this survey are related to the Australian Gravity Base Station Network using the Isogal84 (IGSN 71) values at known Gravity Stations as published by AGSO.

Note that all gravity values shown in these surveys are expressed in units of milligals.

The field gravity observations have been processed using standard formulae and constants to produce a Bouguer Anomaly for each gravity station.

The meter reading as recorded in the raw Scintrex data file is corrected for instrument tilts, meter drift and Earth Tide. Post processing corrections are detailed below.

## **Drift**

The residual drift between base station readings is calculated for each station reading proportionately by time. This is the drift value shown in the processing output.

Drift = 
$$[(t_1 - t_n)((b_2 - b_1)/(t_2 - t_1))]$$

t<sub>n</sub> = time of meter reading at each station

b<sub>1</sub> = base meter reading prior to station reading

t<sub>1</sub> = time of base reading b<sub>1</sub>

b<sub>2</sub> = base meter reading after station reading

 $t_2^-$  = time of base reading  $b_2$ 

## Obs mgal

This is the observed gravity value in milligals.

Obs = 
$$b_a + (r_n - drift) - b_1$$

b<sub>q</sub> = base stn gravity value (Isogal84)

r<sub>n</sub> = meter reading at each station as shown in the CG3 .dat file

drift = residual drift correction as shown above

b<sub>1</sub> = base meter reading prior to station reading

#### **Anom**

This is the difference between the observed gravity and the theoretical gravity value at each station. The theoretical value is calculated using the 1967 International Gravity Formula.

Anom = Obs - 
$$g_{th}$$

Obs = observed gravity as explained above

$$g_{th}$$
 = 978031.8 (1 + 0.0053024 sin<sup>2</sup> $\phi$  - 0.0000059 sin<sup>2</sup>2 $\phi$ )  
 $\phi$  = WGS84 Latitude

## Freeair corrn

The freeair correction is calculated using

Freeair corrn = 0.3086 H

H = height above sea level (AHD height)

Bouguer corrn

Bouguer corrn =  $0.04192 \rho H$ 

 $\rho$  = density ( 2.67 g/cc used for this survey ) H = height above sea level (AHD height)

- Bouguer Anom

Bouguer Anom = Anom + Freeair corrn + Bouguer corrn

### **Results Formats**

Printed results of the gravity processing are included in the Appendix of this report. The results are also supplied in digital form on floppy disk. The following files are supplied.

ALLCSV.CSV

ALLBHP.XYZ

REPEATS REP

\* DAT

#### **ALLCSV.CSV Format**

This is a Comma Separated Variable format file. This format facilitates data import into spreadsheet and database software. Each record (line) contains the following data fields.

Pt Number, Line No, Station No, Date, Day Number, Local Time, WGS Latitude, WGS Longitude, WGS Height, AMG East, AMG North, AHD Height, Meter Serial No, Meter reading, Meter reading standard deviation, Earth Tide Correction, drift correction, corrected meter reading, gravity difference (mgal) from base, observed gravity (mgals), gravity anomaly, freeair correction, Bouguer correction (2.67), Bouguer anomaly

#### **ALLBHP.XYZ**

AMG\_east AMG\_north Elevation Observed\_grav Free\_air\_corrected\_grav Bouguer2.2 Bouguer2.4 Bouguer2.67 Date Line Stn Meter\_No

This is the format of the printed output included in this report.

#### REPEATS.REP

This text file lists the repeat readings and compares the differences in horizontal coordinates and height, the observed gravity and Bouguer Anomaly.

#### \*.DAT

These are the raw data files from the *Scintrex CG3* gravimeter. There is a separate file for each days data and for each meter. The files are identified by the Julian day number (001 = Jan 1st) with the prefix G. eg. G175A = day 175 (24th June). The A refers to Meter A (310217) B to Meter B (704365)

## **PRODUCTION RATES**

Date	Day	Stations	Total	Remarks
WEEK 1				
14/07/98	195			Mobilisation Adelaide - William Creek
15/07/98	196			Standby at William Creek due rain
16/07/98	197			Mobilisation Umbum Creek - Survey control - setup cam
17/07/98	198	20		Rain all day - complete survey control
18/07/98	199	86		
19/07/98	200	69		Rain all afternoon
WEEK 1 TOTAL		175	175	
WEEK 2				, , , , , , , , , , , , , , , , , , ,
20/07/98	201	63		
21/07/98	202	92		
22/07/98	203	69	************	
23/07/98	204	63		
24/07/98	205	45	<del> </del>	Rain overnight.
25/07/98	206	100		
26/07/98	207	65		Fuel run to William Creek. Rain overnight - heavy
WEEK 2 TOTAL		497	672	adition to visitati of core. Italii overlight - neavy
MEEKO				
WEEK 3	000			
27/07/98	208	0	· · · · · · · · · · · · · · · · · · ·	Standby due wet conditions
28/07/98	209	46		Very windy
29/07/98	210	106		
30/07/98	211	102		
31/07/98	212	135		
1/08/98	213	68		River Neales
2/08/98	214	55		River Neales
WEEK 3 TOTAL		512	1184	
WEEK 4				
3/08/98	215	41		River Neales
4/08/98	216	111		1
5/08/98	217	57		
6/08/98	218	30		Vehicle repairs - maintenance
7/08/98	219	71		
8/08/98	220	65	· · · · · ·	
9/08/98	221	70	***************************************	
WEEK 4 TOTAL		445	1629	
WEEK 5				
10/08/98	222	100	·	
11/08/98	223	102	Y - X	
12/08/98	224	70		
13/08/98	225	97	2	
14/08/98	226	87		, , , , , , , , , , , , , , , , , , ,
15/08/98	227	37		
16/08/98	228			De-mobilisation to Adelaide
WEEK 5 TOTAL		493	2122	Do mosmodion to Adolaide

Average production rate for productive days was 73 stations per day. The production rate was lower than anticipated due to heavy rains in the early part of the job. The waterlogged ground made travelling slow and considerable time was lost when vehicles became

bogged. The ground remained heavy in some areas for the duration of the project. Fuel consumption was also considerably higher due to the heavy conditions.

# **Repeat Observations**

_	Pt #	Day	E	N	Ĥ	G	Bouguer
	6516866 6516866		650,990.546 650,990.441 +0.105	6,865,987.067 6,865,987.130 -0.063	16.321 16.301 +0.020	979,189.028 979,189.029 -0.001	-2.786 -2.789 +0.003
	6516867 6516867		650,985.579 650,985.485 +0.094	6,866,926.613 6,866,926.716 -0.103	14.278 14.277 +0.001	979,187.114 979,187.129 -0.015	-4.462 -4.448 -0.014
	6516868 6516868		650,967.079 650,967.080 -0.001	6,867,973.888 6,867,973.853 +0.035	14.430 14.423 +0.007	979,184.599 979,184.618 -0.019	-6.235 -6.218 -0.017
	6546860 6546860		653,974.352 653,974.635 -0.283	6,859,942.283 6,859,942.242 +0.041	25.761 25.763 -0.002	979,189.692 979,189.727 -0.035	-4.355 -4.320 -0.035
	6546861 6546861		653,982.982 653,983.001 -0.019	6,861,057.366 6,861,057.213 +0.153	19.597 19.598 -0.001	979,192.663 979,192.632 +0.031	-1.837 -1.868 +0.031
	6546862 6546862		654,031.812 654,032.185 -0.373	6,862,020.428 6,862,020.589 -0.161	16.515 16.514 +0.001	979,193.918 979,193.986 -0.068	-0.532 -0.464 -0.068
	6556864 6556864		654,996.038 654,961.490 +34.548	6,863,951.300 6,864,106.825 -155.525	11.027 10.714 +0.313	979,191.574 979,191.550 +0.024	-2.632 -2.612 -0.020
	6476865 6476865		646,970.520 646,970.415 +0.105	6,864,992.269 6,864,992.305 -0.036	20.308 20.299 +0.009	979,185.123 979,185.188 -0.065	-6.618 -6.555 -0.063
	6476866 6476866		646,976.713 646,976.616 +0.097	6,865,958.177 6,865,958.231 -0.054	20.695 20.668 +0.027	979,183.748 979,183.821 -0.073	-7.260 -7.192 -0.068
	6476867 6476867		646,998.592 646,998.384 +0.208	6,866,980.559 6,866,980.652 -0.093	21.907 21.933 -0.026	979,181.983 979,182.053 -0.070	-8.090 -8.015 -0.075
	6496866 6496866		649,003.510 649,003.510 +0.000	6,866,059.812 6,866,059.812 +0.000	18.556 18.556 +0.000	979,185.824 979,185.819 +0.005	-5.518 -5.523 +0.005
	6456865 6456865		644,977.196 644,977.233 -0.037	6,864,982.336 6,864,982.350 -0.014	25.032 25.030 +0.002	979,182.413 979,182.414 -0.001	-8.423 -8.422 -0.001
	6456866 6456866		645,008.183 645,008.119 +0.064	6,865,950.922 6,865,950.925 -0.003	21.311 21.341 -0.030	979,182.536 979,182.544 -0.008	-8.372 -8.358 -0.014
	6456867 6456867		645,004.055 645,003.981 +0.074	6,866,989.686 6,866,989.580 +0.106	23.348 23.306 +0.042	979,180.389 979,180.418 -0.029	-9.411 -9.391 -0.020
	6406861 6406861	D202	639,984.711 639,984.865 -0.154	6,861,093.100 6,861,092.395 +0.705	31.728 31.703 +0.025	979,180.605 979,180.555 +0.050	-11.603 -11.658 +0.055
	6406861 6406862		639,984.865 -0.154 639,970.714	6,861,092.395 +0.705 6,862,069.962	31.703 +0.025 36.995	979,180.560 +0.045 979,179.129	-11.653 +0.050 -11.378
	6406862 6406862		639,970.644 +0.070 639,970.644 +0.070	6,862,070.218 -0.256 6,862,070.218 -0.256	37.005 -0.010 37.005 -0.010	979,179.136 -0.007 979,179.126 +0.003	-11.368 -0.010 -11.378 +0.000
	6406863 6406863	D202	640,027.772 640,029.331 -1.559	6,862,977.987 6,862,977.800 +0.187	36.620 36.610 +0.010	979,178.713 979,178.742 -0.029	-11.249 -11.222 -0.027
	6406863 6416869	D201	640,029.331 -1.559 640,988.663	6,862,977.800 +0.187 6,869,040.953	36.610 +0.010 20.978	979,178.728 -0.015 979,176.791	-11.236 -0.013 -12.113
	6416869	D202	640,988.723 -0.060	6,869,040.960 -0.007	20.975 +0.003	979,176.782 +0.009	-12.123 +0.010

6416870 6416870		641,003.630 641,003.658 -0.028	6,869,993.559 6,869,993.506 +0.053	21.501 21.476 +0.025	979,174.887 979,174.887 +0.000	-13.266 -13.271 +0.005
6416871 6416871		640,994.939 640,995.034 -0.095	6,871,009.906 6,871,009.711 +0.195	20.294 20.233 +0.061	979,172.962 979,172.954 +0.008	-14.738 -14.758 +0.020
6346861 6346861		633,991.526 633,991.580 -0.054	6,860,982.389 6,860,982.899 -0.510	45.335 45.354 -0.019	979,175.994 979,176.051 -0.057	-13.660 -13.599 -0.061
6346862 6346862	D204	633,971.907 633,971.964 -0.057 633,971.964	6,862,003.126 6,862,003.971 -0.845 6,862,003.971	42.907 42.893 +0.014 42.893	979,174.890 979,174.946 -0.056 979,174.951	-14.547 -14.493 -0.054 -14.488
6346863 6346863		-0.057 633,976.540 633,976.678	-0.845 6,862,907.720 6,862,907.577	+0.014 42.709 42.673	-0.061 979,175.051 979,175.046	-0.059 -13.808 -13.821
6346863		-0.138 633,976.678 -0.138	+0.143 6,862,907.577 +0.143	+0.036 42.673 +0.036	+0.005 979,175.046 +0.005	+0.013 -13.821 +0.013
6366853 6366853		636,052.918 635,936.859 +116.059	6,853,030.362 6,853,007.790 +22.572	38.390 38.525 -0.135	979,186.075 979,186.015 +0.060	-10.351 -10.401 +0.050
6376873 6376873		636,994.611 636,994.579 +0.032	6,872,935.125 6,872,935.096 +0.029	28.034 28.054 -0.020	979,170.764 979,170.772 -0.008	-14.137 -14.125 -0.012
637687 <b>4</b> 6376874		637,014.049 637,014.144 -0.095	6,873,956.441 6,873,956.411 +0.030	27.561 27.535 +0.026	979,169.478 979,169.512 -0.034	-14.821 -14.793 -0.028
6376874	D204	637,014.182	6,873,956.476 -0.035	27.509 +0.052	979,169.538 -0.060	-0.020 $-14.772$ $-0.049$
6376875 6376875	_	637,008.558 637,008.547 +0.011	6,875,007.173 6,875,007.363 -0.190	19.078 19.093 -0.015	979,170.323 979,170.331 -0.008	-14.931 -14.920 -0.011
6376875	D204	637,007.996 +0.562	6,875,008.279 -1.106	19.100 -0.022	979,170.376 -0.053	-14.873 -0.058
6286864 6286864	D204 D205	627,959.541 627,959.744 -0.203	6,864,001.511 6,864,001.425 +0.086	54.035 54.016 +0.019	979,170.394 979,170.361 +0.033	-15.538 -15.575 +0.037
6286865 6286865		627,983.412 627,983.426 -0.014	6,865,008.290 6,865,008.219 +0.071	45.480 45.395 +0.085	979,172.244 979,172.317 -0.073	-14.685 -14.629 -0.056
6286851 6286851		628,006.009 628,005.894 +0.115	6,851,002.854 6,851,006.096 -3.242	52.222 52.306 -0.084	979,191.625 979,191.678 -0.053	-3.526 -3.454 -0.072
6296861 6296861		628,990.008 628,990.021 -0.013	6,860,930.076 6,860,930.047 +0.029	40.225 40.211 +0.014	979,178.251 979,178.184 +0.067	-12.482 -12.552 +0.070
6296861	D218	628,990.021 -0.013	6,860,930.047 +0.029	40.211 +0.014	979,178.184 +0.067	-12.552 +0.070
6596853 6596853		658,995.497 658,995.497 +0.000	6,853,038.999 6,853,038.999 +0.000	23.591 23.591 +0.000	979,194.837 979,194.815 +0.022	-4.298 -4.320 +0.022
6646852 6646852		663,996.177 663,996.202 -0.025	6,851,976.127 6,851,976.094 +0.033	15.974 15.897 +0.077	979,195.910 979,195.928 -0.018	-5.402 -5.399 -0.003
6646852	D207	663,996.202	6,851,976.094 +0.033	15.897 +0.077	979,195.948 -0.038	-5.379 -0.023
6656852 6656852		664,994.166 664,994.180 -0.014	6,852,035.199 6,852,035.181 +0.018	9.917 9.900 +0.017	979,197.711 979,197.774 -0.063	-4.743 -4.683 -0.060
6656852	D207	664,994.180	6,852,035.181 +0.018	9.900 +0.017	979,197.764 -0.053	-4.693 -0.050
6666852 6666852	D206 D207	665,970.347 665,969.944 +0.403	6,851,916.699 6,851,917.168 -0.469	16.164 16.130 +0.034	979,196.757 979,196.780 -0.023	-4.539 -4.523 -0.016
6666852	D207	665,969.944 +0.403	6,851,917.168 -0.469	16.130 +0.034	979,196.796 -0.039	-4.507 -0.032

6666864 6666864		666,034.909 666,034.909	6,863,978.356 6,863,978.356	8.722 8.722	979,189.710 979,189.691	-4.829 -4.848
6666864	D206	+0.000 666,034.909	+0.000 6,863,978.356	+0.000 8.722	+0.019 979,189.681	+0.019 -4.858
6666864	D207		+0.000 6,863,978.353	+0.000 8.725	+0.029 979,189.721	+0.029 -4.817
6666864	D207	-0.041 666,034.950	+0.003 6,863,978.353	-0.003 8.725	-0.011 979,189.701	-0.012 -4.837
6666864	D207		+0.003 6,863,978.353	-0.003 8.725	+0.009 979,189.686	+0.008
6666864	D207	-0.041 666,034.950 -0.041	+0.003 6,863,978.353 +0.003	-0.003 8.725 -0.003	+0.024 979,189.681 +0.029	+0.023 -4.857 +0.028
6676864 6676864		666,959.627 666,959.627	6,864,013.556 6,864,013.556	7.853 7.853	979,189.028 979,189.023	-5.649 -5.654
6676864		+0.000 666,959.661	+0.000 6,864,013.541	+0.000 7.818	+0.005 979,189.062	+0.005
6676864		-0.034 666,959.661	+0.015 6,864,013.541	+0.035 7.818	-0.034 979,189.037	-0.027 -5.647
		-0.034	+0.015	+0.035	-0.009	-0.002
6686864 6686864		668,010.005 668,010.005	6,863,986.833 6,863,986.833	8.114 8.114	979,188.498 979,188.484	-6.135 -6.149
6686864	D206	+0.000	+0.000 6,863,986.833	+0.000 8.114	+0.014 979,188.474	+0.014 -6.159
6686864	ח207	+0.000	+0.000 6,863,986.868	+0.000 8.064	+0.024 979,188.503	+0.024 -6.140
		+0.045	-0.035	+0.050	-0.005	+0.005
6686864	D20 /	+0.045	6,863,986.868 -0.035	8.064 +0.050	979,188.498	-6.145 +0.010
6646864		664,019.566	6,863,993.108	8.851	979,191.424	-3.098
6646864	D207	+0.000	6,863,993.108	8.851 +0.000	979,191.434	-3.088 -0.010
6656864 6656864		664,950.177 664,950.177	6,864,020.373	9.213	979,190.565	-3.859
		+0.000	6,864,020.373	9.213 +0.000	979,190.560 +0.005	-3.864 +0.005
6656864		664,950.201 -0.024	6,864,020.324 +0.049	9.179 +0.034	979,190.620 -0.055	-3.810 -0.049
6656864	D209	664,950.201 -0.024	6,864,020.324 +0.049	9.179 +0.034	979,190.6 <u>15</u> -0.050	-3.815 -0.044
6666864 6666864	D207 D207	666,034.950 666,034.950	6,863,978.353 6,863,978.353	8.725 8.725	979,189.686 979,189.681	-4.852
£0000004	D207	+0.000	+0.000	+0.000	+0.005	-4.857 +0.005
6816861 6816861		680,971.711 680,971.711	6,861,005.413 6,861,005.413	-0.877 -0.877	979,188.868 979,188.863	-9.434 -9.439
		+0.000	+0.000	+0.000	+0.005	+0.005
6816861	DZIO	680,972.047 -0.336	6,861,005.442 -0.029	-0.988 +0.111	979,188.958	-9.365 -0.069
6616867 6616867		660,970.750 660,970.750	6,867,018.862 6,867,018.862	9.628 9.628	979,186.733 979,186.699	-5.606
		+0.000	+0.000	+0.000	+0.034	-5.640 +0.034
6616867		660,972.429 -1.679	6,867,019.457 -0.595	9.458 +0.170	979,186.800 -0.067	-5.572 $-0.034$
6616867	D211	660,972.429 -1.679	6,867,019.457 -0.595	9.458 +0.170	979,186.790 -0.057	-5.582 -0.024
6626867 6626867		661,979.307 661,979.307	6,866,978.191 6,866,978.191	9.079 9.079	979,187.646 979,187.626	-4.819
6626867		+0.000	+0.000	+0.000	+0.020	-4.839 +0.020
		661,980.929	6,866,978.359 -0.168	9.061 +0.018	979,187.635	-4.834 +0.015
662.68.67	D211	661,980.929 -1.622	6,866,978.359 -0.168	9.061 +0.018	979,187.625 +0.021	-4.844 +0.025
6496871 6496871		648,952.946	6,870,954.138	13.331	979,177.222	-11.819
		648,952.946 +0.000	6,870,954.138 +0.000	13.331	979,177.218	-11.823 +0.004
6496871		648,952.917 +0.029	6,870,954.169 -0.031	13.370 -0.039	979,177.261 -0.039	-11.772 $-0.047$
6496871	D212	648,952.917 +0.029	6,870,954.169 -0.031	13.370 -0.039	979,177.256 -0.034	-11.777 -0.042
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6506871 6506871		649,995.720 649,995.720	6,871,015.792 6,871,015.792	12.111 12.111	979,177.658 979,177.649	-11.572 -11.581
6506871	D212	+0.000 649,995.709	+0.000 6,871,015.771	+0.000 12.130	+0.009 979,177.699	+0.009 -11.527
6506871	D212	+0.011 649,995.709 +0.011	+0.021 6,871,015.771 +0.021	$ \begin{array}{r} -0.019 \\ 12.130 \\ -0.019 \end{array} $	-0.041 979,177.680 -0.022	-0.045 -11.546 -0.026
6626874 6626874		662,067.276 662,067.459	6,873,981.071 6,873,980.620	14.455 14.414	979,174.297 979,174.361	-12.349 -12.293
6626874	D213	-0.183 662,067.459 -0.183	+0.451 6,873,980.620 +0.451	+0.041 14.414 +0.041	-0.064 979,174.361 -0.064	-0.056 -12.293 -0.056
6636874 6636874	D212 D212	663,019.957	6,874,010.787 6,874,010.787	13.741 13.741	979,174.758 979,174.753	-11.999 -12.004
6636874	D213	+0.000 663,019.959 -0.002	+0.000 6,874,010.835 -0.048	+0.000	+0.005 979,174.836	+0.005
6636874	D213	663,019.959 -0.002	6,874,010.835 -0.048	+0.046 13.695 +0.046	-0.078 979,174.836 -0.078	-0.069 -11.930 -0.069
6636875 6636875		663,064.623 663,064.623 +0.000	6,874,949.777 6,874,949.777 +0.000	13.310 13.310 +0.000	979,173.961 979,173.951	-12.243 -12.253
6636875	D213	663,064.562	6,874,949.812	13.236	+0.010 979,174.039	+0.010
6636875	D213	663,064.562 +0.061	-0.035 6,874,949.812 -0.035	+0.074 13.236 +0.074	-0.078 979,174.030 -0.069	-0.063 -12.189 -0.054
6636876 6636876	D212 D212	662,905.751 662,905.751 +0.000	6,875,967.131 6,875,967.131 +0.000	11.701 11.701 +0.000	979,173.549 979,173.529 +0.020	-12.282 -12.302 +0.020
6516873 6516873	D213 D213	651,017.783	6,873,048.854 6,873,048.854	17.859 17.859	979,172.301 979,172.282	-14.408 -14.427
6516873	D214	+0.000 651,017.734	+0.000 6,873,048.859	+0.000 17.746	+0.019 979,172.328	+0.019 -14.403
6516873	D214	+0.049 651,017.734 +0.049	-0.005 6,873,048.859 -0.005	+0.113 17.746 +0.113	$     \begin{array}{r}       -0.027 \\       979,172.323 \\       -0.022     \end{array} $	-0.005 -14.408 +0.000
6676863 6676863		666,998.568 666,998.568 +0.000	6,863,003.760 6,863,003.760 +0.000	8.193 8.193 +0.000	979,190.012 979,190.033 -0.021	-5.285 -5.264 -0.021
6246867 6246867	D219 D219	623,996.893 623,996.893 +0.000	6,866,999.921 6,866,999.921 +0.000	35.371 35.371 +0.000	979,177.468 979,177.458 +0.010	-10.123 -10.133
6246867	D220	623,996.821	6,866,999.959 -0.038	35.383 -0.012	979,177.524 -0.056	+0.010 -10.065 -0.058
6246867	D220	623,996.821	6,866,999.959 -0.038	35.383 -0.012	979,177.529 -0.061	-10.060 -0.063
6376846 6376846		636,999.317 636,999.317 +0.000	6,845,978.334 6,845,978.334 +0.000	48.910 48.910 +0.000	979,192.636 979,192.621 +0.015	-6.530 -6.545
6376846	D221	636,999.317	6,845,978.334	48.910	979,192.616 +0.020	+0.015 -6.550 +0.020
6376846	D223	636,999.839 -0.522	6,845,979.004 -0.670	48.956	979,192.695 -0.059	-6.461 -0.069
6376846	D223	636,999.839 -0.522	6,845,979.004 -0.670	48.956 -0.046	979,192.695 -0.059	-6.461 -0.069
6346842 6346842	D222 D222	633,982.277 633,982.277	6,842,014.727	54.385	979,197.595 979,197.595	-3.227
6346842		+0.000 633,982.226	6,842,014.727 +0.000 6,842,014.773	54.385 +0.000 54.285	+0.000 979,197.676	-3.227 +0.000 -3.166
6346842	D223	+0.051 633,982.226 +0.051	-0.046 6,842,014.773 -0.046	+0.100 54.285 +0.100	-0.081 979,197.671 -0.076	-0.061 -3.171 -0.056
6436843 6436843		643,012.494 643,012.494	6,842,937.200 6,842,937.200	48.369 48.369	979,193.775 979,193.760	-7.527 -7.542
6436843	D223	+0.000	+0.000 6,842,937.200	+0.000	+0.015 979,193.755	+0.015
6436843	D224	+0.000 643,012.418	+0.000 6,842,937.071	+0.000 48.356	+0.020 979,193.765	+0.020
6436843	D224	+0.076 643,012.418 +0.076	+0.129 6,842,937.071 +0.129	+0.013 48.356 +0.013	+0.010 979,193.766 +0.009	+0.012 -7.538 +0.011

6426848	D224	641,976.060	6,847,955.181	39.329	979,189.508	-10.151
6426848	D224	641,976.060	6,847,955.181	39.329	979,189.499	-10.160
		+0.000	+0.000	+0.000	+0.009	+0.009
6426848	D225	641,976.113	6,847,955.272	39.371	979,189.550	-10.101
		-0.053	-0.091	-0.042	-0.042	-0.050
6426848	D225	641,976.113	6,847,955.272	39.371	979,189.550	-10.101
		-0.053	-0.091	-0.042	-0.042	-0.050
6436848	D224	643,015.120	6,848,039.031	39.449	979,189.217	-10.352
6436848	D224	643,015.120	6,848,039.031	39.449	979,189.212	-10.357
		+0.000	+0.000	+0.000	+0.005	+0.005
6436848	D225	643,015.160	6,848,039.132	39.502	979,189.262	-10.297
		-0.040	-0.101	-0.053	-0.045	-0.055
6436848	D225	643,015.160	6,848,039.132	39.502	979,189.258	-10.301
		-0.040	-0.101	-0.053	-0.041	-0.051

# **Bouguer Anomaly - Plots**

**Station Locations** 

Station Locations and Bouguer Anomaly Contours

Bouguer Anomaly Contours and Zoned Image

# APPENDIX FOUR

Gravity Data, Umbum Creek Regional Gravity Survey

# Umbum Gravity Data - EL2509

650801         6862858         18         979190         -1.73         -3.38         -3.53         -3.73         15/08/98         0         1         76           677038         6848998         5         979205         0.02         -0.44         -0.48         -0.54         5/08/98         677         6849         76           677974         6849066         4         979205         -0.32         -0.65         -0.68         -0.72         5/08/98         678         6849         76           679013         6848951         2         979205         -1.04         -1.21         -1.23         -1.25         5/08/98         679         6849         3           679951         6848991         1         979204         -1.66         -1.75         -1.75         -1.77         5/08/98         680         6849         3           680983         6849007         -1         979204         -2.3         -2.24         -2.23         -2.22         5/08/98         681         6849         3           681957         6848976         -4         979205         -3.24         -2.76         -2.72         -2.66         5/08/98         683         6849         3	eter no
677038         6848998         5         979205         0.02         -0.44         -0.48         -0.54         5/08/98         677         6849         70           677974         6849066         4         979205         -0.32         -0.65         -0.68         -0.72         5/08/98         678         6849         70           679013         6848951         2         979205         -1.04         -1.21         -1.23         -1.25         5/08/98         679         6849         3           679951         6848991         1         979204         -1.66         -1.75         -1.75         -1.77         5/08/98         680         6849         3           680983         6849007         -1         979204         -2.3         -2.24         -2.23         -2.22         5/08/98         681         6849         3           681957         6848976         -4         979205         -2.65         -2.27         -2.23         -2.19         5/08/98         682         6849         3           684026         6849025         -5         979205         -3.08         -2.6         -2.56         -2.5         5/08/98         684         6849         3	)4365
677974       6849066       4       979205       -0.32       -0.65       -0.68       -0.72       5/08/98       678       6849       70         679013       6848951       2       979205       -1.04       -1.21       -1.23       -1.25       5/08/98       679       6849       3         679951       6848991       1       979204       -1.66       -1.75       -1.75       -1.77       5/08/98       680       6849       3         680983       6849007       -1       979204       -2.3       -2.24       -2.23       -2.22       5/08/98       681       6849       3         681957       6848976       -4       979205       -2.65       -2.27       -2.23       -2.19       5/08/98       682       6849       3         683026       6849039       -5       979205       -3.24       -2.76       -2.72       -2.66       5/08/98       683       6849       3         685034       6849025       -5       979205       -3.08       -2.6       -2.56       -2.5       5/08/98       685       6849       3         666978       6850045       9       979199       -3.65       -4.49       -4.57       -4.6	)4365
679013       6848951       2       979205       -1.04       -1.21       -1.23       -1.25       5/08/98       679       6849       3         679951       6848991       1       979204       -1.66       -1.75       -1.75       -1.77       5/08/98       680       6849       3         680983       6849007       -1       979204       -2.3       -2.24       -2.23       -2.22       5/08/98       681       6849       3         681957       6848976       -4       979205       -2.65       -2.27       -2.23       -2.19       5/08/98       682       6849       3         683026       6849039       -5       979205       -3.24       -2.76       -2.72       -2.66       5/08/98       683       6849       3         684026       6849025       -5       979205       -3.08       -2.6       -2.56       -2.5       5/08/98       684       6849       3         685034       6848999       -8       979206       -2.93       -2.22       -2.16       -2.07       5/08/98       667       6850       3         667995       6850045       9       979199       -3.65       -4.49       -4.57       -4.6	)4365
679951       6848991       1       979204       -1.66       -1.75       -1.75       -1.77       5/08/98       680       6849       3         680983       6849007       -1       979204       -2.3       -2.24       -2.23       -2.22       5/08/98       681       6849       3         681957       6848976       -4       979205       -2.65       -2.27       -2.23       -2.19       5/08/98       682       6849       3         683026       6849039       -5       979205       -3.24       -2.76       -2.72       -2.66       5/08/98       683       6849       3         684026       6849025       -5       979205       -3.08       -2.6       -2.56       -2.5       5/08/98       684       6849       3         685034       684999       -8       979206       -2.93       -2.22       -2.16       -2.07       5/08/98       685       6849       3         666978       6850045       9       979199       -3.65       -4.49       -4.57       -4.67       5/08/98       667       6850       3         668982       6849967       6       979201       -3.07       -3.6       -3.64       -3.71<	0217
680983       6849007       -1       979204       -2.3       -2.24       -2.23       -2.22       5/08/98       681       6849       3:681957         681957       6848976       -4       979205       -2.65       -2.27       -2.23       -2.19       5/08/98       682       6849       3:6849         683026       6849039       -5       979205       -3.24       -2.76       -2.72       -2.66       5/08/98       683       6849       3:6849         684026       6849025       -5       979205       -3.08       -2.6       -2.56       -2.5       5/08/98       684       6849       3:685034       6848999       -8       979206       -2.93       -2.22       -2.16       -2.07       5/08/98       685       6849       3:685034       6849999       -8       979199       -3.65       -4.49       -4.57       -4.67       5/08/98       667       6850       3:667995       6850099       7       979200       -3.22       -3.84       -3.9       -3.98       4/08/98       668       6850       3:668982       6849967       6       979201       -2.57       -3.19       -3.25       -3.33       5/08/98       670       6850       70         669	0217
681957 6848976 -4 979205 -2.65 -2.27 -2.23 -2.19 5/08/98 682 6849 3-683026 6849039 -5 979205 -3.24 -2.76 -2.72 -2.66 5/08/98 683 6849 3-684026 6849025 -5 979205 -3.08 -2.6 -2.56 -2.5 5/08/98 684 6849 3-685034 6848999 -8 979206 -2.93 -2.22 -2.16 -2.07 5/08/98 685 6849 3-666978 6850045 9 979199 -3.65 -4.49 -4.57 -4.67 5/08/98 667 6850 3-667995 6850099 7 979200 -3.22 -3.84 -3.9 -3.98 4/08/98 668 6850 3-668982 6849967 6 979201 -3.07 -3.6 -3.64 -3.71 5/08/98 669 6850 7069968 6849986 7 979201 -2.57 -3.19 -3.25 -3.33 5/08/98 670 6850 70670964 6849990 7 979201 -2.17 -2.82 -2.88 -2.95 5/08/98 671 6850 70671960 6849942 8 979202 -1.37 -2.08 -2.14 -2.23 5/08/98 672 6850 706	0217
683026       6849039       -5       979205       -3.24       -2.76       -2.72       -2.66       5/08/98       683       6849       3         684026       6849025       -5       979205       -3.08       -2.6       -2.56       -2.5       5/08/98       684       6849       3         685034       6848999       -8       979206       -2.93       -2.22       -2.16       -2.07       5/08/98       685       6849       3         666978       6850045       9       979199       -3.65       -4.49       -4.57       -4.67       5/08/98       667       6850       3         667995       6850099       7       979200       -3.22       -3.84       -3.9       -3.98       4/08/98       668       6850       3         668982       6849967       6       979201       -3.07       -3.6       -3.64       -3.71       5/08/98       669       6850       7         669968       6849986       7       979201       -2.57       -3.19       -3.25       -3.33       5/08/98       670       6850       7         670964       6849990       7       979201       -2.17       -2.82       -2.88       -2.95 </td <td>0217</td>	0217
684026       6849025       -5       979205       -3.08       -2.6       -2.56       -2.5       5/08/98       684       6849       33         685034       6848999       -8       979206       -2.93       -2.22       -2.16       -2.07       5/08/98       685       6849       33         666978       6850045       9       979199       -3.65       -4.49       -4.57       -4.67       5/08/98       667       6850       33         667995       6850099       7       979200       -3.22       -3.84       -3.9       -3.98       4/08/98       668       6850       33         668982       6849967       6       979201       -3.07       -3.6       -3.64       -3.71       5/08/98       669       6850       70         669968       6849986       7       979201       -2.57       -3.19       -3.25       -3.33       5/08/98       670       6850       70         670964       6849990       7       979201       -2.17       -2.82       -2.88       -2.95       5/08/98       671       6850       70         671960       6849942       8       979202       -1.37       -2.08       -2.14       -	0217
685034       6848999       -8       979206       -2.93       -2.22       -2.16       -2.07       5/08/98       685       6849       3366         666978       6850045       9       979199       -3.65       -4.49       -4.57       -4.67       5/08/98       667       6850       3366         667995       6850099       7       979200       -3.22       -3.84       -3.9       -3.98       4/08/98       668       6850       3366         668982       6849967       6       979201       -3.07       -3.6       -3.64       -3.71       5/08/98       669       6850       7066968         669968       6849986       7       979201       -2.57       -3.19       -3.25       -3.33       5/08/98       670       6850       70670         670964       6849990       7       979201       -2.17       -2.82       -2.88       -2.95       5/08/98       671       6850       706         671960       6849942       8       979202       -1.37       -2.08       -2.14       -2.23       5/08/98       672       6850       706	0217
666978       6850045       9       979199       -3.65       -4.49       -4.57       -4.67       5/08/98       667       6850       33667995         667995       6850099       7       979200       -3.22       -3.84       -3.9       -3.98       4/08/98       668       6850       33668982         668982       6849967       6       979201       -3.07       -3.6       -3.64       -3.71       5/08/98       669       6850       706969         669968       6849986       7       979201       -2.57       -3.19       -3.25       -3.33       5/08/98       670       6850       706969         670964       6849990       7       979201       -2.17       -2.82       -2.88       -2.95       5/08/98       671       6850       706969         671960       6849942       8       979202       -1.37       -2.08       -2.14       -2.23       5/08/98       672       6850       706969	0217
667995       6850099       7       979200       -3.22       -3.84       -3.9       -3.98       4/08/98       668       6850       3368         668982       6849967       6       979201       -3.07       -3.6       -3.64       -3.71       5/08/98       669       6850       708         669968       6849986       7       979201       -2.57       -3.19       -3.25       -3.33       5/08/98       670       6850       708         670964       6849990       7       979201       -2.17       -2.82       -2.88       -2.95       5/08/98       671       6850       708         671960       6849942       8       979202       -1.37       -2.08       -2.14       -2.23       5/08/98       672       6850       708	0217
668982       6849967       6       979201       -3.07       -3.6       -3.64       -3.71       5/08/98       669       6850       70         669968       6849986       7       979201       -2.57       -3.19       -3.25       -3.33       5/08/98       670       6850       70         670964       6849990       7       979201       -2.17       -2.82       -2.88       -2.95       5/08/98       671       6850       70         671960       6849942       8       979202       -1.37       -2.08       -2.14       -2.23       5/08/98       672       6850       70	0217
669968     6849986     7     979201     -2.57     -3.19     -3.25     -3.33     5/08/98     670     6850     76       670964     6849990     7     979201     -2.17     -2.82     -2.88     -2.95     5/08/98     671     6850     76       671960     6849942     8     979202     -1.37     -2.08     -2.14     -2.23     5/08/98     672     6850     76	4365
670964 6849990 7 979201 -2.17 -2.82 -2.88 -2.95 5/08/98 671 6850 70 671960 6849942 8 979202 -1.37 -2.08 -2.14 -2.23 5/08/98 672 6850 70	)4365
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683946 6851064 -5 979202 -4.33 -3.83 -3.78 -3.72 26/07/98 684 6851 3 <sup>-2</sup>	0217 0217

# Umbum Gravity Data - EL2509

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
684992	6851006	-6	979202	-4.34	-3.83	-3.78	-3.72	26/07/98	685	6851	310217
649031	6851930	53	979184	-4.47	-9.36	-9.81	-10.41	12/08/98	649	6852	704365
649993	6851978	48	979185	-4.7	-9.13	-9.53	-10.07	19/07/98	650	6852	310217
650993	6852013	44	979186	-5.08	-9.16	-9.53	-10.03	19/07/98	651	6852	310217
651943	6852024	40	979187	-5.06	-8.72	-9.05	-9.5	18/07/98	652	6852	310217
652996	6851963	41	979187	-4.49	-8.29	-8.64	-9.11	18/07/98	653	6852	310217
654025	6851994	36	979189	-4.52	-7.83	-8.14	-8.54	18/07/98	654	6852	310217
654994	6852017	31	979191	-4.33	-7.16	-7.42	-7.77	19/07/98	655	6852	310217
655973	6851985	23	979193	-4.19	-6.32	-6.52	-6.78	19/07/98	656	6852	310217
656980	6851967	24	979193	-3.74	-5.92	-6.12	-6.39	25/07/98	657	6852	310217
657933	6851995	23	979194	-3.41	-5.48	-5.67	-5.93	25/07/98	658	6852	310217
659007	6852005	19	979196	-3.02	-4.76	-4.92	-5.13	25/07/98	659	6852	310217
660031	6852005	17	979196	-2.77	-4.33	-4.47	-4.66	25/07/98	660	6852	310217
660976	6852017	15	979197	-2.73	-4.09	-4.21	-4.38	25/07/98	661	6852	310217
662019	6852020	16	979197	-2.86	-4.32	-4.45	-4.63	25/07/98	662	6852	310217
663009	6851982	14	979196	-3.63	-4.93	-5.05	-5.21	25/07/98	663	6852	310217
663996	6851976	16	979196	-3.61	-5.09	-5.22	-5.4	25/07/98	664	6852	310217
663996	6851976	16	979196	-3.62	-5.09	-5.22	-5.4	26/07/98	664	6852	310217
663996	6851976	16	979196	-3.6	-5.0 <b>7</b>	-5.2	-5.38	26/07/98	664	6852	310217
664994	6852035	10	979198	-3.63	-4.55	-4.63	-4.74	25/07/98	665	6852	310217
664994	6852035	10	979198	-3.58	-4.49	-4.57	-4.68	26/07/98	665	6852	310217
664994	6852035	10	979198	-3.59	-4.5	-4.58	-4.69	26/07/98	665	6852	310217
665970	6851917	16	979197	-2.73	-4.22	-4.36	-4.54	25/07/98	666	6852	310217
665970	6851917	16	979197	-2.72	-4.2	-4.34	-4.52	26/07/98	666	6852	310217
665970	6851917	16	979197	-2.7	-4.19	-4.32	-4.51	26/07/98	666	6852	310217
667003	6852045	10	979199	-2.63	-3.54	-3.62	-3.73	26/07/98	667	6852	310217
668028	6851959	9	979199	-2.03 -2.31	-3.12	-3.19	-3.29	26/07/98	668	6852	310217
668986	6851918	6	979200	-2.25	-2.82	-3.13 -2.87	-3.2 <del>3</del> -2.94	26/07/98	669	6852	310217
670055	6852000	4	979201	-1.75	-2.16	-2.0 <i>1</i> -2.2	-2.9 <del>4</del> -2.25	26/07/98	670	6852	310217
670973	6851979	4	979202	-1.75 -1.14	-2.10 -1.49	-2.2 -1.52	-2.25 -1.56	26/07/98	671	6852	310217
671960	6851996	2	979203	-0.71	-0.85	-0.86	-0.88	26/07/98	672	6852	310217
673029	6852015	1	979204	-0.49	-0.55	-0.55	-0.56	26/07/98	673	6852	
673984	6852008	3	979204	-0.4 <del>9</del> -0.31	-0.55	-0.55 -0.57	-0.6	26/07/98	674	6852	310217 310217
675028	6851992	2	979204	-0.31	-0.35	-0.37 -0.37		26/07/98			
676010	6851942	1	979204	-0.19	-0.35 -0.34	-0.37 -0.35	-0.39 -0.37	26/07/98	675 676	6852	310217
		_								6852	310217
676979 677991	6852081 6852073	1 0	979203 979204	-0.59 -0.73	-0.66 -0.71	-0.67 -0.71	-0.67 -0.7	26/07/98 26/07/98	677	6852	310217
678942	6851985		979204	-0.73 -0.69	-0.75	-0.76	-0.7 -0.77		678	6852	310217 310217
679980	6851983	1	979203	-1.21	-0.75 -1.2	-0.76 -1.2	-0.77 -1.2	26/07/98 26/07/98	679 680	6852	
680993	6852015	-3	979203	-1.21 -2.3	-1.2 -2.04	-2.02	-1.2 -1.99	26/07/98	681	6852	310217
682001	6852078	-4	979202	-2.3 -3.7	-3.3	-2.02	-3.22	26/07/98	682	6852	310217
683089	6851935	- <del></del>	979201	-3. <i>1</i> -4.48	-3.3 -4	-3.27 -3.96	-3.22 -3.9	26/07/98	683	6852	310217
684040	6852052	-5 -5	979201	-4.71	-4.26	-3. <del>3</del> 0 -4.21	-3.9 -4.16	5/08/98		6852	310217
685050	6852025	-9	979201	- <del>4</del> .71 -5.24	-4.20 -4.38	-4.21 -4.3	-4.10 -4.2	5/08/98	684 685	6852	704365
649004			979184							6852	704365
	6852994	52 57		-3.67	-8.5	-8.93 0.47	-9.53 0.83	12/08/98	649	6853	704365
650020	6853072	57 40	979183	-3.39	-8.69	-9.17	-9.82	19/07/98	650	6853	310217
650993	6852982	48 51	979185	-3.81	-8.28 7.84	-8.69	-9.24	19/07/98	651	6853	310217
652042	6852922	51 52	979185	-3.1	-7.81 7.22	-8.24	-8.81	18/07/98	652	6853	310217
653035 653065	6852994	52 44	979185	-2.46	-7.23	-7.66 7.07	-8.25 7.53	18/07/98	653	6853	310217
653965	6852970	41	979188	-2.96 1.86	-6.72 5.27	-7.07	-7.53 6.44	18/07/98	654	6853	310217
655036	6853073	38	979190	-1.86	-5.37	-5.68 5.00	-6.11 5.45	19/07/98	655	6853	310217
656038	6852981	31	979192	-1.96	-4.83	-5.09	-5.45	19/07/98	656	6853	310217
656978	6853047	26	979194	-1.8	-4.23	-4.45	-4.75 4.26	25/07/98	657	6853	310217
657968	6853004	22	979195	-1.87	-3.92	-4.11	-4.36	25/07/98	658	6853	310217
658996	6853039	24	979195	-1.66	-3.83	-4.03 4.05	-4.3	25/07/98	659	6853	310217
658996	6853039	24	979195	-1.68	-3.86	-4.05	-4.32	25/07/98	659	6853	310217

# Umbum Gravity Data - EL2509

Second   S	East	North	Elev	Observ g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
600065         6852976         22         979195         -1.99         -4.06         -4.24         -4.97         2507798         661         6853         310217           6810306         6852976         21         979195         -2.3         -4.28         -4.40         -4.77         2507798         663         6853         310217           684004         6853018         15         979195         -2.31         -4.28         -4.40         -4.77         2507798         663         6853         310217           665938         6852948         12         979199         -2.26         -3.33         -3.42         -3.56         2507798         666         6853         310217           667982         6853003         8         979199         -1.93         -2.63         2.69         2.78         2507798         667         6853         310217           670059         6852956         4         979200         -1.78         -1.23         -2.33         -2.34         -2.50         2.60         6.66         -0.86         -0.78         -0.78         -0.50         -0.67         -0.67         -0.68         -0.78         -0.50         -6.67         -6.68         -0.72         -0.68												
661965         6852076         21         979195         -1.98         -3.88         -4.06         -4.37         2507798         682         38823         310217           664004         6853018         15         979195         -2.71         -4.13         -4.26         -4.44         2507798         664         6853         310217           665038         3652967         12         1979198         -2.26         -3.37         -3.99         -4.08         2507798         665         6853         310217           665988         6852486         12         979199         -1.95         -2.84         -2.92         -3.03         2507798         666         6853         310217           668943         6853003         8         797199         -1.95         -2.84         -2.92         -3.03         2507798         666         6853         310217           670059         6853007         6         797900         -1.78         -1.23         -1.24         -1.24         2507798         667         6853         310217           671823         6853050         2         979203         -0.57         -0.73         -0.77         7050898         672         6853         704365 </td <td></td>												
683080         8852976         21         979198         2.23         4.28         4.48         4.77         2507/98         683         310217           684004         8852967         16         979197         2.32         4.77         3.99         4.08         25077/98         665         6853         310217           665988         6852948         12         979198         -2.26         -3.33         -3.42         -3.56         25077/98         667         6853         310217           667982         6853003         8         979199         -1.93         -2.63         -2.68         -2.78         25077/98         667         6853         310217           670069         6853043         8         979202         -0.87         -1.2         -1.24         -1.28         2507/98         670         6853         310217           6711027         6853057         4         979202         -0.87         -0.73         -0.78         -0.18         2507/98         673         6853         310217           6711027         6852960         2         979203         -0.67         -0.68         -0.88         -0.91         -0.91         -0.93         -0.92         -0.98												
684004   685016   15												
665033         6852948         12         979197         2.22         3.37         3.92         4.08         25/07/98         668         6853         10217           666982         6852948         12         979199         -1.95         -2.84         -2.92         -3.03         25/07/98         667         6853         310217           666982         6853045         8         979199         -1.93         -2.63         -2.69         -2.78         25/07/98         669         6853         310217           670099         6852966         4         979201         -1.78         -2.33         -2.38         -2.44         25/07/98         669         6853         310217           6714024         6853007         4         979201         -1.39         -1.75         -1.79         -1.83         25/07/98         670         685         310217           6714024         6852996         2         979203         -0.57         -0.73         -0.76         -0.78         0.08         60.98         674         685         704365           675027         6852966         1         978203         -0.57         -0.63         -0.98         -0.98         -0.79         -0.68         6												
665988         6852948         12         979198         -2.26         -3.33         -3.42         -3.56         2507798         668         6853         10217           666982         6853026         10         979199         -1.95         -2.84         -2.92         -3.03         2507798         667         6853         310217           666943         6853005         6         979200         -1.78         -2.33         -2.38         -2.44         2507798         668         685         310217           6770059         6853007         4         979202         -0.87         -1.25         -1.12         -1.24         -1.28         2507798         671         6853         310217           671823         6853007         3         979203         -0.57         -0.63         -0.64         -0.66         508/98         672         6853         704365           67207         6852965         2         979203         -0.57         -0.68         -0.97         508/98         675         6853         704365           675927         6852965         1         979203         -0.25         -0.79         -0.8         506989         677         6853         704365 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
666982         6853028         10         979199         -1.93         -2.63         -2.69         -2.78         2507798         667         88.3         310217           667982         6853003         8         979199         -1.93         -2.63         -2.69         -2.78         2507798         668         6853         310217           670099         6852966         4         979201         -1.39         -1.75         -1.79         -1.83         2507798         670         6853         310217           671823         6853097         3         979202         -0.6         -0.86         -0.88         -0.91         508/98         672         6853         704365           672889         6852996         2         979203         -0.57         -0.73         -0.76         -0.66         5069/98         674         685         704365         676027         6852986         1         979203         -0.57         -0.67         -0.66         50.76         0.68         5069/98         674         685         704365           675027         6852986         1         979203         -1.22         -1.13         -1.10         -1.10         5069/98         675         6853         7												
667982         6653003         8         979109         -1,93         -2,63         -2,68         -2,78         2507798         668         683         310217           668843         6853045         6         979200         -1,78         -2,33         -2,48         2507798         670         6853         310217           671017         6853047         4         979202         -0.87         -1,29         -1,24         -1,28         2507798         671         6853         310217           671027         6853047         4         979203         -0.68         -0.88         -0.81         506896         672         6853         704365           672027         6852985         2         979203         -0.48         -0.63         -0.64         -0.66         5068/98         673         6853         704365           675962         6852985         1         979203         -0.68         -0.98         -0.98         508/98         675         6853         704365           677003         6853052         -1         979203         -1.25         -1.11         -1.08         1.07         508/98         678         6853         704365           678006         6853052												
6868348         6853045         6         979200         -1.78         -2.33         -2.38         2.44         25007/98         666         683         310217           670059         6852956         4         979201         -1.39         -1.75         -1.73         2.50         25007/98         670         6853         310217           671623         6853007         3         979202         -0.6         -0.86         -0.88         -0.91         5069/98         672         6853         704365           674024         6852965         2         979203         -0.67         -0.67         -0.77         506996         673         6935         704365           675027         6852966         1         979203         -0.66         -0.78         -0.79         -0.8         5069/98         676         6853         704365           677002         6852967         0         979203         -0.98         -0.98         -0.98         50698         677         6853         704365           678060         6852956         2         979203         -1.22         -1.1         -1.08         506996         676         6853         704365           6870266         6853032 </td <td></td>												
6700690         6852956         4         979201         -1.39         -1.75         -1.24         -1.24         2507798         670         6853         310217           671017         6853047         4         979202         -0.87         -1.24         -1.24         2507798         671         6853         310217           671823         6853009         2         979203         -0.57         -0.73         -0.75         -0.76         508/98         672         6853         704365           6740224         6852956         2         979203         -0.57         -0.63         -0.64         -0.66         508/98         675         6853         704365           675027         6852987         1         979203         -0.66         -0.78         -0.79         -0.8         508/98         676         6853         704365           677003         6852985         1         979203         -1.25         -1.13         -1.12         -1.11         508/88         676         6853         704365           678966         68530022         -2         979203         -1.25         -1.13         -1.10         508/98         681         6853         704365           682030												
671017         6853047         4         979202         -0.8         -1.2         -1.24         -1.28         2.097/86         671         6853         310217           671823         6853009         3         979202         -0.6         -0.86         -0.98         -0.91         5/08/88         672         6853         704365           672024         6852986         2         979203         -0.48         -0.63         -0.68         -0.77         5/08/88         674         6853         704365           675027         6852986         1         979203         -0.66         -0.78         -0.79         -0.8         5/08/88         676         6853         704365           677002         6852987         0         979203         -0.98         -0.98         -0.98         5/08/88         677         6853         704365           678020         6853032         1         979203         -1.25         -1.1         -1.08         -1.07         5/08/88         678         6853         704365           680905         6853082         3         979201         -3.55         -3.15         -3.11         -3.06         5/08/88         681         6853         704365 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
671823         6853000         3         979202         -0.6         -0.86         -0.88         -0.91         5008/98         672         6853         704366           672889         6852936         2         979203         -0.57         -0.73         -0.75         5008/98         673         6853         704365           675027         6852986         1         979203         -0.66         -0.78         -0.79         -0.88         5008/98         675         6853         704365           677003         6852986         1         979203         -0.98         -0.98         -0.98         5008/98         676         6853         704365           678000         68530322         1         979203         -1.25         -1.11         -1.18         -1.08         608/98         676         6853         704365           680950         6853005         -2         979203         -1.55         -1.11         -1.08         -1.09         508/98         680         6853         704365           6820950         6852965         -3         979201         -4.4         -3.91         -3.05         508/98         681         6853         704365           682938         6852												
672888         6852930         2         979203         -0.57         -0.73         -0.75         -0.70         5/08/98         673         6853         704365           675027         6852964         1         979203         -0.64         -0.63         -0.64         -0.66         5/08/98         675         6853         704365           675062         6852966         1         979203         -0.66         -0.78         -0.98         -0.98         5/08/98         675         6853         704365           677003         6852957         0         979203         -0.98         -0.98         -0.98         -0.98         6/08/98         676         6853         704365           678966         6853032         -1         979203         -1.22         -1.13         -1.12         -1.11         5/08/98         679         6853         704365           680002         6853005         -3         979202         -2.28         -1.96         -1.93         -1.89         5/08/98         681         6853         704365           682928         6853053         -3         979201         -3.55         -3.15         -3.11         -3.06         5/08/98         682         6853 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
674024         6852956         2         979203         -0.48         -0.63         -0.64         -0.66         5/08/98         675         6853         704365           675027         6852964         1         979203         -0.67         -0.68         -0.77         5/08/98         675         6853         704365           677003         6852967         0         979203         -0.98         -0.98         -0.98         5/08/98         677         6853         704365           678020         6853032         -1         979203         -1.22         -1.13         -1.12         -1.11         1.506/98         678         6853         704365           680002         6853005         -2         979203         -1.55         -1.4         -1.38         -1.36         5/08/98         681         6853         704365           680950         6852965         -3         979202         -2.28         -1.193         -1.83         5/08/98         681         6853         704365           6822936         685         979201         -3.4         -3.15         -3.15         -3.61         5.01/98         683         704365           683391         685         979183 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>												
675027         6852984         1         979203         -0.67         -0.68         -0.7         5/08/98         675         6853         704365           675962         6852966         1         979203         -0.66         -0.78         -0.79         -0.8         5/08/98         675         6853         704365           677002         6852967         0         979203         -1.22         -1.13         -1.12         -1.11         5/08/98         678         6853         704365           678966         6853022         -2         979203         -1.59         -1.4         -1.38         -1.36         5/08/98         673         6853         704365           680002         6852965         -3         979202         -2.28         -1.96         -1.93         -1.89         5/08/98         681         6853         704365           682928         -8         979201         -3.44         -3.91         -3.11         -3.06         5/08/98         683         6853         704365           682928         -1         979201         -5.44         -4.99         -4.62         -4.53         5/08/98         68         6853         704365           684951         6853987												
675962         6852967         0         979203         -0.68         -0.78         -0.79         -0.8         5/08/98         676         6853         704365           677003         6852967         0         979203         -0.98         -0.98         -0.98         5/08/98         677         6853         704365           678020         6853022         -2         979203         -1.25         -1.1         -1.08         -1.07         5/08/98         679         6853         704365           6800950         6852085         -2         979203         -1.59         -1.4         -1.38         -1.36         5/08/98         681         6853         704365           682030         6852985         -4         979201         -3.55         -3.15         -3.11         -3.06         5/08/98         681         6853         704365           682928         6852985         -8         979201         -6.44         -3.91         -3.06         5/08/98         683         6853         704365           683919         6852986         -10         979180         -4.27         -5.36         -5.27         -5.16         5/08/98         684         6853         704365												
677003         6852957         0         979203         -0.98         -0.98         -0.98         50.988         677         6853         704365           678020         6853022         -1         979203         -1.22         -1.13         -1.12         -1.11         5008/98         678         6853         704365           680002         6853025         -2         979203         -1.25         -1.14         -1.38         -1.36         508/98         680         6853         704365           680905         6852985         -3         979202         -2.28         -1.96         -1.93         -1.89         5008/98         681         6853         704365           682928         6853053         -5         979201         -4.4         -3.91         -3.81         508/98         682         685         704365           683991         6852964         -8         979201         -5.44         -4.69         -4.62         -4.53         500/98         683         663         704365           684958         6852986         -10         979200         -6.27         -5.36         -5.17         -5.16         500/98         683         704365           649010         685												
678020         6853032         -1         979203         -1.22         -1.13         -1.12         -1.11         5/08/98         678         6853         704365           678966         6853022         -2         979203         -1.25         -1.1         -1.08         -1.07         5/08/98         679         6853         704365           6800950         6853065         -2         979203         -1.55         -3.15         -3.11         -3.06         5/08/98         681         6853         704365           682928         6853055         -3         979201         -3.55         -3.15         -3.11         -3.06         5/08/98         682         6853         704365           682928         6853053         -5         979201         -5.44         -4.89         -4.62         -4.53         5/08/98         683         6853         704365           683919         6852964         -8         979200         -6.27         -5.36         -5.27         -5.16         5/08/98         684         6853         704365           648010         6853987         56         979183         -3.2         -8.36         -9.11         12/08/99         648         8853         704365     <												
678966         6853022         2.2         979203         -1.25         -1.1         -1.08         -1.07         50/68/98         680         704365           6800950         6853095         -2         979203         -1.59         -1.4         -1.38         -1.38         50/68/98         681         6853         704365           680950         6852965         -4         979201         -3.55         -3.15         -3.11         -3.06         50/68/98         682         6853         704365           682928         6853053         -5         979201         -4.4         -3.91         -3.87         -3.81         50/68/98         682         6853         704365           683918         6852964         -8         979201         -5.44         -4.62         -4.62         -4.62         -6.08/98         685         6853         704365           684958         6852986         -10         979200         -6.27         -5.36         -5.27         -5.16         50/68/98         685         6853         704365           64900         6853987         61         979183         -3.2         -8.27         -8.63         -9.11         12/08/98         64         20217			-									
680002         6853005         -2         979203         -1.59         -1.4         -1.38         -1.36         5/08/98         681         6853         704365           680950         6852985         -3         979202         -2.28         -1.96         -1.93         -1.88         5/08/98         681         6853         704365           682030         6852965         -4         979201         -3.55         -3.15         -3.11         -3.081         5/08/98         683         6853         704365           683918         6852986         -10         979200         -6.27         -5.36         -5.27         -5.16         5/08/98         684         6853         704365           649010         6853987         42         979186         -4.37         -8.27         -8.63         -9.11         12/08/98         685         6853         704365           650006         6853987         56         979183         -3.2         -8.36         -8.83         -9.47         19/07/98         650         6854         704365           651950         68539351         61         979188         -1.45         -5.56         -5.93         -6.44         18/07/98         652         6854												
680950         6852985         -3         979202         -2.28         -1.96         -1.93         -1.89         5/08/98         681         6853         704365           6820208         6852956         -4         979201         -4.4         -3.91         -3.87         -3.81         5/08/98         683         6853         704365           682928         6853053         -5         979201         -5.44         -4.69         -4.62         -4.53         5/08/98         684         6853         704365           6849010         6853957         42         979200         -6.27         -5.36         -5.27         -5.16         6/08/98         685         6853         704365           650006         6853957         56         979183         -3.2         -8.36         -9.47         19/07/98         661         6854         10217           650908         68539351         61         979182         -2.13         -7.74         -8.25         -8.94         19/07/98         661         6854         10217           652991         6854007         45         979188         -1.45         -5.56         -5.93         -6.44         18/07/98         652         6854         310217												
682030         6852965         -4         979201         -3.55         -3.15         -3.11         -3.06         5/08/98         682         685.3         704365           682928         6853053         -5         979201         -4.4         -3.91         -3.87         -3.81         5/08/98         683         6853         704365           683919         6852986         -10         979200         -6.27         -5.36         -5.27         -5.16         5/08/98         685         704365           649010         6853987         42         979180         -4.37         -8.27         -8.63         -9.11         12/08/98         649         6854         704365           650006         6853987         50         979183         -3.2         -8.30         -9.47         19/07/98         651         6854         704265           650989         6853933         51         979180         -1.98         -6.68         -7.1         -7.68         18/07/98         651         6854         310217           652981         6854081         48         979189         -0.42         -5.56         -5.93         -6.44         18/07/98         652         6854         310217												
682928         6853053         -5         979201         -4.4         -3.91         -3.87         -3.81         5/08/98         683         6853         704365           683918         6852954         -8         979201         -5.44         -4.69         -4.62         -4.53         5/08/98         685         6853         704365           6849510         6852986         -10         979200         -6.27         -5.36         -5.27         -5.16         5/08/98         685         6853         704365           649010         6853987         56         979183         -3.2         -8.36         -8.83         -9.47         19/07/98         650         6854         310217           650908         6853935         61         979182         -2.13         -7.74         -8.25         -8.94         19/07/98         651         6854         310217           651950         6854007         45         979188         -1.45         -5.56         -5.93         -6.44         18/07/98         652         6854         310217           652991         6854081         48         979189         -0.56         -3.97         -4.27         -4.82         19/07/98         654         6854												
683919         6852954         -8         979201         -5.44         -4.69         -4.62         -4.53         5/08/98         684         6853         704365           684958         6852986         -10         979200         -6.27         -5.36         -5.27         -5.16         5/08/98         685         6853         704365           649010         6853957         52         979183         -3.2         -8.36         -8.83         -9.47         19/07/98         650         6854         310217           650989         6853951         61         979182         -2.13         -7.74         -8.25         -8.94         19/07/98         651         6854         310217           651990         6853932         51         979188         -1.45         -5.56         -5.93         -6.44         18/07/98         652         6854         310217           652991         6854081         48         979189         -0.42         -4.66         -5.04         -5.56         1807/98         665         6854         310217           655019         6854081         48         979189         -0.42         -4.66         -5.04         -5.56         1807/98         665         6854												
684958         6852986         -10         979200         -6.27         -5.36         -5.27         -5.16         5/08/98         685         6853         704365           649010         6853987         42         979186         -4.37         -8.27         -8.63         -9.11         12/08/86         649         6854         704365           650006         6853987         56         979182         -2.13         -7.74         -8.25         -8.94         19/07/98         661         6854         310217           650989         6853933         51         979186         -1.98         -6.68         -7.1         -7.68         18/07/98         652         6854         310217           652991         6854007         45         979188         -1.45         -5.56         -5.93         -6.44         18/07/98         652         6854         310217           655019         6854081         48         979189         -0.56         -3.87         -4.27         -4.82         19/07/98         652         6854         310217           655019         6854012         28         979193         -1.61         -4.23         -4.46         -4.79         25/07/98         657         6854												
649010         6853957         42         979186         -4.37         -8.27         -8.63         -9.11         12/08/98         649         6854         704365           650006         6853987         56         979183         -3.2         -8.36         -8.83         -9.47         19/07/98         650         6854         310217           650989         6853933         51         979186         -1.98         -6.68         -7.1         -7.68         18/07/98         652         6854         310217           652991         6854007         45         979189         -1.45         -5.56         -5.93         -6.44         18/07/98         653         6854         310217           653986         6853929         46         979189         -0.42         -4.66         -5.04         -5.56         18/07/98         655         6854         310217           655019         6854081         48         979189         -0.42         -4.66         -5.04         -5.56         18/07/98         656         6854         310217           655019         6854081         29         979183         -1.61         -4.23         -4.46         -4.79         25/07/98         657         6854												
650006         6853987         56         979183         -3.2         -8.36         -8.83         -9.47         19/07/98         650         6854         310217           650989         6853951         61         979182         -2.13         -7.74         -8.25         -8.94         19/07/98         651         6854         310217           651950         6853933         51         979188         -1.45         -5.56         -5.93         -6.44         18/07/98         653         6854         310217           653986         6853929         46         979189         -0.42         -4.66         -5.04         -5.56         18/07/98         655         6854         310217           656019         6854081         48         979189         -0.56         -3.87         -4.27         -4.82         19/07/98         655         6854         310217           656019         6854081         28         979193         -1.61         -4.23         -4.46         -4.79         25/07/98         657         6854         310217           657981         68540212         24         979193         -2.59         -4.83         -5.04         -5.31         25/07/98         669         6854												
650989         6853951         61         979182         -2.13         -7.74         -8.25         -8.94         19/07/98         651         6854         310217           651950         6853933         51         979186         -1.98         -6.68         -7.1         -7.68         18/07/98         652         6854         310217           652991         6854007         45         979189         -0.42         -4.66         -5.04         -5.56         18/07/98         654         6854         310217           655019         6854081         48         979189         -0.42         -4.66         -5.04         -5.56         18/07/98         655         6854         310217           655002         6853937         39         979191         -0.12         -3.72         -4.05         -4.49         19/07/98         656         6854         310217           657014         6854012         28         979193         -2.48         -4.69         -4.89         -5.16         25/07/98         659         6854         310217           658986         6854026         24         979193         -2.42         -4.77         -4.98         -5.27         25/07/98         669         6854												
651950         6853933         51         979186         -1.98         -6.68         -7.1         -7.68         18/07/98         652         6854         310217           652991         6854007         45         979188         -1.45         -5.56         -5.93         -6.44         18/07/98         653         6854         310217           653986         6853929         46         979189         -0.56         -3.87         -4.27         -4.82         19/07/98         655         6854         310217           655019         6854081         48         979189         -0.56         -3.87         -4.27         -4.82         19/07/98         655         6854         310217           657014         6854012         28         979193         -1.61         -4.23         -4.46         -4.79         25/07/98         656         6854         310217           657881         6854026         24         979193         -2.49         -4.69         -4.89         -5.16         25/07/98         669         6854         310217           660022         6854048         25         979193         -2.42         -4.77         -4.98         -5.27         25/07/98         660         6854												
652991         6854007         45         979188         -1.45         -5.56         -5.93         -6.44         18/07/98         653         6854         310217           653986         6853929         46         979189         -0.42         -4.66         -5.04         -5.56         18/07/98         654         6854         310217           655019         6854081         48         979189         0.56         -3.87         -4.27         -4.82         19/07/98         655         6854         310217           657014         6854012         28         979193         -1.61         -4.23         -4.46         -4.79         25/07/98         657         6854         310217           657981         6854026         24         979193         -2.48         -4.69         -5.16         25/07/98         658         6854         310217           658986         6853973         24         979193         -2.42         -4.77         -4.98         -5.27         25/07/98         660         6854         310217           661001         6853969         28         979193         -1.88         -4.42         -4.65         -4.96         25/07/98         661         6854         310217												
653986         6853929         46         979189         -0.42         -4.66         -5.04         -5.56         18/07/98         654         6854         310217           655019         6854081         48         979189         0.56         -3.87         -4.27         -4.82         19/07/98         655         6854         310217           656002         6853937         39         979191         -0.12         -3.72         -4.05         -4.49         19/07/98         656         6854         310217           657014         6854012         28         979193         -1.61         -4.23         -4.46         -4.79         25/07/98         656         6854         310217           658986         6853973         24         979193         -2.59         -4.83         -5.04         -5.31         25/07/98         659         6854         310217           660022         6854048         25         979193         -1.88         -4.42         -4.65         -4.96         25/07/98         660         6854         310217           662022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         661         6854												
655019         6854081         48         979189         0.56         -3.87         -4.27         -4.82         19/07/98         655         6854         310217           656002         6853937         39         979191         -0.12         -3.72         -4.05         -4.49         19/07/98         656         6854         310217           657014         6854012         28         979193         -2.48         -4.69         -4.89         -5.16         25/07/98         657         6854         310217           658986         6853973         24         979193         -2.59         -4.83         -5.04         -5.31         25/07/98         659         6854         310217           660022         6854048         25         979193         -2.42         -4.77         -4.98         -5.27         25/07/98         660         6854         310217           662022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         661         6854         310217           662977         6854053         17         979196         -2.14         -3.71         -3.85         -4.05         25/07/98         661         6854												
656002         6853937         39         979191         -0.12         -3.72         -4.05         -4.49         19/07/98         656         6854         310217           657014         6854012         28         979193         -1.61         -4.23         -4.46         -4.79         25/07/98         657         6854         310217           657981         6854026         24         979193         -2.48         -4.69         -4.89         -5.16         25/07/98         658         6854         310217           658986         6853973         24         979193         -2.42         -4.77         -4.98         -5.27         25/07/98         669         6854         310217           660022         6854048         25         979193         -1.88         -4.42         -4.65         -4.96         25/07/98         660         6854         310217           662022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         661         6854         310217           66297         6854053         17         979195         -1.53         -3.36         -3.52         -3.75         25/07/98         662         6854												
657014         6854012         28         979193         -1.61         -4.23         -4.46         -4.79         25/07/98         657         6854         310217           657981         6854026         24         979193         -2.48         -4.69         -4.89         -5.16         25/07/98         658         6854         310217           658986         6853973         24         979193         -2.59         -4.83         -5.04         -5.31         25/07/98         659         6854         310217           660022         6854048         25         979193         -1.88         -4.42         -4.65         -4.96         25/07/98         660         6854         310217           660022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         662         6854         310217           662977         6854037         19         979195         -1.53         -3.36         -3.52         -3.75         25/07/98         664         6854         310217           663945         6854007         12         979198         -1.33         -2.48         -2.59         -2.73         25/07/98         665         6854												
657981         6854026         24         979193         -2.48         -4.69         -4.89         -5.16         25/07/98         658         6854         310217           658986         6853973         24         979193         -2.59         -4.83         -5.04         -5.31         25/07/98         659         6854         310217           660022         6854048         25         979193         -1.88         -4.42         -4.65         -4.96         25/07/98         661         6854         310217           662022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         662         6854         310217           662977         6854053         17         979196         -2.14         -3.71         -3.85         -4.05         25/07/98         662         6854         310217           663915         6854047         20         979195         -1.53         -3.36         -3.52         -3.75         25/07/98         665         6854         310217           664943         68540015         8         979199         -1.41         -2.17         -2.24         -2.33         25/07/98         666         6854												
658986         6853973         24         979193         -2.59         -4.83         -5.04         -5.31         25/07/98         659         6854         310217           660022         6854048         25         979193         -2.42         -4.77         -4.98         -5.27         25/07/98         660         6854         310217           661001         6853969         28         979193         -1.88         -4.42         -4.65         -4.96         25/07/98         661         6854         310217           662022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         662         6854         310217           662977         6854053         17         979196         -2.14         -3.71         -3.85         -4.05         25/07/98         663         6854         310217           663915         6854007         12         979198         -1.34         -2.48         -2.59         -2.73         25/07/98         665         6854         310217           665956         6854015         8         979199         -1.41         -2.17         -2.24         -2.33         25/07/98         667         6854												
660022         6854048         25         979193         -2.42         -4.77         -4.98         -5.27         25/07/98         660         6854         310217           661001         6853969         28         979193         -1.88         -4.42         -4.65         -4.96         25/07/98         661         6854         310217           662022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         662         6854         310217           662977         6854053         17         979196         -2.14         -3.71         -3.85         -4.05         25/07/98         663         6854         310217           663915         6854047         20         979195         -1.53         -3.36         -3.52         -3.75         25/07/98         664         6854         310217           664943         6854015         8         979199         -1.41         -2.17         -2.24         -2.33         25/07/98         665         6854         310217           665956         6854015         8         979199         -0.88         -1.81         -1.9         -2.01         25/07/98         666         6854												
661001         6853969         28         979193         -1.88         -4.42         -4.65         -4.96         25/07/98         661         6854         310217           662022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         662         6854         310217           662977         6854053         17         979196         -2.14         -3.71         -3.85         -4.05         25/07/98         663         6854         310217           663915         6854047         20         979195         -1.53         -3.36         -3.52         -3.75         25/07/98         664         6854         310217           664943         6854007         12         979198         -1.34         -2.48         -2.59         -2.73         25/07/98         665         6854         310217           665956         6854015         8         979199         -0.88         -1.81         -1.9         -2.01         25/07/98         666         6854         310217           667981         6853947         8         979199         -1.35         -2.1         -2.17         -2.26         25/07/98         668         6854												
662022         6854034         19         979195         -1.98         -3.71         -3.87         -4.08         25/07/98         662         6854         310217           662977         6854053         17         979196         -2.14         -3.71         -3.85         -4.05         25/07/98         663         6854         310217           663915         6854047         20         979195         -1.53         -3.36         -3.52         -3.75         25/07/98         664         6854         310217           664943         6854007         12         979198         -1.34         -2.48         -2.59         -2.73         25/07/98         665         6854         310217           665956         6854015         8         979199         -1.41         -2.17         -2.24         -2.33         25/07/98         666         6854         310217           666994         6853963         10         979199         -1.35         -2.1         -2.17         -2.26         25/07/98         667         6854         310217           667981         6853963         1         979200         -1.37         -1.93         -1.98         -2.05         25/07/98         668         6854												
662977         6854053         17         979196         -2.14         -3.71         -3.85         -4.05         25/07/98         663         6854         310217           663915         6854047         20         979195         -1.53         -3.36         -3.52         -3.75         25/07/98         664         6854         310217           664943         6854007         12         979198         -1.34         -2.48         -2.59         -2.73         25/07/98         665         6854         310217           665956         6854015         8         979199         -1.41         -2.17         -2.24         -2.33         25/07/98         666         6854         310217           666994         6853963         10         979199         -0.88         -1.81         -1.9         -2.01         25/07/98         667         6854         310217           667981         6853974         8         979199         -1.35         -2.1         -2.17         -2.26         25/07/98         668         6854         310217           668942         6853979         6         979200         -1.37         -1.93         -1.98         -2.05         25/07/98         670         6854												
663915         6854047         20         979195         -1.53         -3.36         -3.52         -3.75         25/07/98         664         6854         310217           664943         6854007         12         979198         -1.34         -2.48         -2.59         -2.73         25/07/98         665         6854         310217           665956         6854015         8         979199         -1.41         -2.17         -2.24         -2.33         25/07/98         666         6854         310217           666994         6853963         10         979199         -0.88         -1.81         -1.9         -2.01         25/07/98         667         6854         310217           667981         6853947         8         979199         -1.35         -2.1         -2.17         -2.26         25/07/98         668         6854         310217           668942         6853979         6         979200         -1.37         -1.93         -1.98         -2.05         25/07/98         669         6854         310217           679972         6854008         4         979201         -0.88         -1.36         -1.41         -1.47         25/07/98         671         6854												
664943         6854007         12         979198         -1.34         -2.48         -2.59         -2.73         25/07/98         665         6854         310217           665956         6854015         8         979199         -1.41         -2.17         -2.24         -2.33         25/07/98         666         6854         310217           666994         6853963         10         979199         -0.88         -1.81         -1.9         -2.01         25/07/98         667         6854         310217           667981         6853947         8         979199         -1.35         -2.1         -2.17         -2.26         25/07/98         668         6854         310217           668942         6853979         6         979200         -1.37         -1.93         -1.98         -2.05         25/07/98         669         6854         310217           669961         6854001         5         979201         -0.88         -1.36         -1.41         -1.47         25/07/98         670         6854         310217           671983         6854012         2         979202         -0.69         -0.89         -0.91         -0.95         25/07/98         671         6854												
665956         6854015         8         979199         -1.41         -2.17         -2.24         -2.33         25/07/98         666         6854         310217           666994         6853963         10         979199         -0.88         -1.81         -1.9         -2.01         25/07/98         667         6854         310217           667981         6853947         8         979199         -1.35         -2.1         -2.17         -2.26         25/07/98         668         6854         310217           668942         6853979         6         979200         -1.37         -1.93         -1.98         -2.05         25/07/98         669         6854         310217           669961         6854001         5         979201         -0.88         -1.36         -1.41         -1.47         25/07/98         670         6854         310217           670972         6854008         4         979201         -0.54         -0.88         -0.91         -0.95         25/07/98         671         6854         310217           671983         6854012         2         979202         -0.69         -0.89         -0.91         -0.93         5/08/98         672         6854												
666994         6853963         10         979199         -0.88         -1.81         -1.9         -2.01         25/07/98         667         6854         310217           667981         6853947         8         979199         -1.35         -2.1         -2.17         -2.26         25/07/98         668         6854         310217           668942         6853979         6         979200         -1.37         -1.93         -1.98         -2.05         25/07/98         669         6854         310217           669961         6854001         5         979201         -0.88         -1.36         -1.41         -1.47         25/07/98         670         6854         310217           670972         6854008         4         979201         -0.54         -0.88         -0.91         -0.95         25/07/98         671         6854         310217           671983         6854012         2         979202         -0.69         -0.89         -0.91         -0.93         5/08/98         672         6854         310217           673033         6853908         1         979203         -1.36         -1.04         -1.05         -1.07         5/08/98         673         6854         <												
667981         6853947         8         979199         -1.35         -2.1         -2.17         -2.26         25/07/98         668         6854         310217           668942         6853979         6         979200         -1.37         -1.93         -1.98         -2.05         25/07/98         669         6854         310217           669961         6854001         5         979201         -0.88         -1.36         -1.41         -1.47         25/07/98         670         6854         310217           670972         6854008         4         979201         -0.54         -0.88         -0.91         -0.95         25/07/98         671         6854         310217           671983         6854012         2         979202         -0.69         -0.89         -0.91         -0.93         5/08/98         672         6854         310217           673033         6853908         1         979202         -0.92         -1.04         -1.05         -1.07         5/08/98         673         6854         310217           674937         6853874         0         979202         -1         -0.99         -0.99         -0.99         5/08/98         675         6854         3												
668942         6853979         6         979200         -1.37         -1.93         -1.98         -2.05         25/07/98         669         6854         310217           669961         6854001         5         979201         -0.88         -1.36         -1.41         -1.47         25/07/98         670         6854         310217           670972         6854008         4         979201         -0.54         -0.88         -0.91         -0.95         25/07/98         671         6854         310217           671983         6854012         2         979202         -0.69         -0.89         -0.91         -0.93         5/08/98         672         6854         310217           673033         6853908         1         979202         -0.92         -1.04         -1.05         -1.07         5/08/98         673         6854         310217           673839         6853720         -4         979203         -1.36         -1.04         -1.01         -0.97         5/08/98         674         6854         310217           675948         6853838         -3         979203         -1.29         -1.02         -0.99         -0.99         5/08/98         676         6854												
669961         6854001         5         979201         -0.88         -1.36         -1.41         -1.47         25/07/98         670         6854         310217           670972         6854008         4         979201         -0.54         -0.88         -0.91         -0.95         25/07/98         671         6854         310217           671983         6854012         2         979202         -0.69         -0.89         -0.91         -0.93         5/08/98         672         6854         310217           673033         6853908         1         979202         -0.92         -1.04         -1.05         -1.07         5/08/98         673         6854         310217           673839         6853720         -4         979203         -1.36         -1.04         -1.01         -0.97         5/08/98         674         6854         310217           674937         6853874         0         979202         -1         -0.99         -0.99         -0.99         5/08/98         675         6854         310217           675948         6853838         -3         979203         -1.29         -1.02         -0.99         -0.96         5/08/98         676         6854												
670972       6854008       4       979201       -0.54       -0.88       -0.91       -0.95       25/07/98       671       6854       310217         671983       6854012       2       979202       -0.69       -0.89       -0.91       -0.93       5/08/98       672       6854       310217         673033       6853908       1       979202       -0.92       -1.04       -1.05       -1.07       5/08/98       673       6854       310217         673839       6853720       -4       979203       -1.36       -1.04       -1.01       -0.97       5/08/98       674       6854       310217         674937       6853874       0       979202       -1       -0.99       -0.99       -0.99       5/08/98       675       6854       310217         675948       6853838       -3       979203       -1.29       -1.02       -0.99       -0.96       5/08/98       676       6854       310217         676935       6853812       -4       979203       -1.62       -1.28       -1.25       -1.21       5/08/98       677       6854       310217												
671983       6854012       2       979202       -0.69       -0.89       -0.91       -0.93       5/08/98       672       6854       310217         673033       6853908       1       979202       -0.92       -1.04       -1.05       -1.07       5/08/98       673       6854       310217         673839       6853720       -4       979203       -1.36       -1.04       -1.01       -0.97       5/08/98       674       6854       310217         674937       6853874       0       979202       -1       -0.99       -0.99       -0.99       5/08/98       675       6854       310217         675948       6853838       -3       979203       -1.29       -1.02       -0.99       -0.96       5/08/98       676       6854       310217         676935       6853812       -4       979203       -1.62       -1.28       -1.25       -1.21       5/08/98       677       6854       310217												
673033       6853908       1       979202       -0.92       -1.04       -1.05       -1.07       5/08/98       673       6854       310217         673839       6853720       -4       979203       -1.36       -1.04       -1.01       -0.97       5/08/98       674       6854       310217         674937       6853874       0       979202       -1       -0.99       -0.99       -0.99       5/08/98       675       6854       310217         675948       6853838       -3       979203       -1.29       -1.02       -0.99       -0.96       5/08/98       676       6854       310217         676935       6853812       -4       979203       -1.62       -1.28       -1.25       -1.21       5/08/98       677       6854       310217												
673839       6853720       -4       979203       -1.36       -1.04       -1.01       -0.97       5/08/98       674       6854       310217         674937       6853874       0       979202       -1       -0.99       -0.99       -0.99       5/08/98       675       6854       310217         675948       6853838       -3       979203       -1.29       -1.02       -0.99       -0.96       5/08/98       676       6854       310217         676935       6853812       -4       979203       -1.62       -1.28       -1.25       -1.21       5/08/98       677       6854       310217												
674937 6853874 0 979202 -1 -0.99 -0.99 -0.99 5/08/98 675 6854 310217 675948 6853838 -3 979203 -1.29 -1.02 -0.99 -0.96 5/08/98 676 6854 310217 676935 6853812 -4 979203 -1.62 -1.28 -1.25 -1.21 5/08/98 677 6854 310217												
675948 6853838 -3 979203 -1.29 -1.02 -0.99 -0.96 5/08/98 676 6854 310217 676935 6853812 -4 979203 -1.62 -1.28 -1.25 -1.21 5/08/98 677 6854 310217												
676935 6853812 -4 979203 -1.62 -1.28 -1.25 -1.21 5/08/98 677 6854 310217												
67/958 6853947 -2 979202 -1.62 -1.46 -1.45 -1.43 5/08/98 678 6854 310217												
	677958	6853947	-2	9/9202	-1.62	-1.46	-1.45	-1.43	5/08/98	678	6854	310217

East	North	Flev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Motor no
678921	6854019	-2	979202	-1.67	-1.5	-1.49	-1.47	5/08/98	679	6854	Meter_no 310217
679940	6853966	-3	979202	-2.14	-1.89	-1.87	-1.84	5/08/98	680	6854	310217
680970	6854013	-4	979201	-2.75	-2.41	-2.38	-2.34	5/08/98	681	6854	310217
681980	6853661	-7	979202	-3.67	-3.06	-3	-2.93	5/08/98	682	6854	310217
682932	6854022	-6	979200	-4.85	-4.29	-4.24	-4.17	4/08/98	683	6854	704365
683938	6854015	-8	979199	-6.05	-5.36	-5.29	-5.21	5/08/98	684	6854	310217
685025	6853990	-5	979198	-6.39	-5.93	-5.29 -5.89	-5.21 -5.84	4/08/98	685		
649024	6855045	36	979187	-4.03	-7.35	-3.65 -7.65	-3.0 <del>4</del> -8.06	12/08/98	649	6854	704365 704365
650013	6854963	43	979186	-4.03 -2.87	-6.81					6855 6855	
650991	6855029	49	979186	-2.6 <i>1</i> -1.38	-5.87	-7.17	-7.66 6.83	19/07/98	650	6855	310217
	6855002	<del>4</del> 9 57				-6.28 5.00	-6.83	19/07/98	651	6855	310217
651999 652998		57 53	979185 979186	-0.16 0.46	-5.38	-5.86 5.80	-6.5 0.40	18/07/98	652	6855	310217
	6855094	38		-0.46 1.01	-5.38	-5.82	-6.43 5.20	18/07/98	653	6855	310217
654036 654075	6854925		979190	-1.01	-4.54	-4.86 5.04	-5.29	18/07/98	654	6855	310217
654975 655914	6854863	44 38	979188 979189	-0.57	-4.64	-5.01 5.60	-5.51	19/07/98	655	6855	310217
	6855098	32		-1.78	-5.3 5.50	-5.62 5.00	-6.05	19/07/98	656	6855	310217
656999 657044	6855029		979190	-2.68	-5.59	-5.86 5.87	-6.22	26/07/98	657	6855	310217
657941	6854959	29	979191	-2.97	-5.63	-5.87 5.72	-6.2	26/07/98	658	6855	310217
659007	6855033	24	979192	-3.28	-5.52	-5.73	-6 5.00	26/07/98	659	6855	310217
659964	6854934	23	979192	-3.05	-5.17	-5.36	-5.62	26/07/98	660	6855	310217
661014	6854969	19	979194	-2.99	-4.74	-4.9	-5.11	26/07/98	661	6855	310217
662012	6854993	16	979194	-3.02	-4.51	-4.65	-4.83	26/07/98	662	6855	310217
663027	6854971	15	979195	-2.36	-3.76	-3.89	-4.06	26/07/98	663	6855	310217
663890	6855020	18	979195	-1.5	-3.15	-3.3	-3.5	26/07/98	664	6855	310217
664996	6854940	6	979199	-1.57	-2.16	-2.21	-2.28	26/07/98	665	6855	310217
665963	6854985	3	979200	-1.46	-1.75	-1.78	-1.81	26/07/98	666	6855	310217
666962	6854988	8	979199	-0.92	-1.63	-1.69	-1.78	26/07/98	667	6855	310217
667979	6855016	6	979199	-1.21	-1.8	-1.86	-1.93	26/07/98	668	6855	310217
670061	6855235	3	979200	-0.77	-1.07	-1.1	-1.14	4/08/98	670	6855	704365
671036	6855061	0	979201	-0.84	-0.86	-0.86	-0.86	4/08/98	671	6855	704365
672000	6854915	2	979201	-0.83	-0.97	-0.98	-1	4/08/98	672	6855	704365
673083	6854965	2	979201	-0.78	-0.99	-1.01	-1.04	4/08/98	673	6855	704365
674084	6855031	2	979201	-0.66	-0.81	-0.82	-0.84	4/08/98	674	6855	704365
675033	6855084	1	979201	-0.83	-0.96	-0.97	-0.98	4/08/98	675	6855	704365
675931	6855018	1	979201	-1.24	-1.3	-1.3	-1.31	4/08/98	676	6855	704365
677008	6854985	0	979201	-1.6	-1.56	-1.56	-1.56	4/08/98	677	6855	704365
678025	6855210	-3	979201	-2.07	-1.8	-1.77	-1.74	4/08/98	678	6855	704365
679045	6854783	-5	979202	-2.21	-1.77	-1.73	-1.67	5/08/98	679	6855	310217
679967	6854878	-4	979201	-2.5	-2.09	-2.05	-2	5/08/98	680	6855	310217
681011	6855038	-4	979200	-3.45	-3.05	-3.02	-2.97	4/08/98	681	6855	704365
682001	6854930	-7	979200	-4.46	-3.84	-3.78	-3.71	4/08/98	682	6855	704365
683017	6854960	-7	979199	-5.43	-4.81	-4.75	-4.68	4/08/98	683	6855	704365
684050	6855085	-8	979198	-6.61	-5.83	-5.76	-5.66	4/08/98	684	6855	704365
685017	6855015	-8	979197	-7.5	-6.77	-6.71	-6.62	4/08/98	685	6855	704365
648990	6856044	30	979189	-3.35	-6.09	-6.34	-6.68	12/08/98	649	6856	704365
650015	6855965	40	979188	-1.93	-5.58	-5.91	-6.36	19/07/98	650	6856	310217
650921	6855989	36	979189	-1.73	-5.09	-5.39	-5.81	19/07/98	651	6856	310217
651989	6856031	40	979188	-1.57	-5.28	-5.62	-6.07	18/07/98	652	6856	310217
652998	6855990	56	979184	-0.41	-5.54	-6	-6.63	18/07/98	653	6856	310217
654007	6855951	45	979187	-0.61	-4.75	-5.13	-5.63	18/07/98	654	6856	310217
655037	6855967	39	979188	-1.52	-5.07	-5.4	-5.83	18/07/98	655	6856	310217
655971	6856041	35	979188	-2.66	-5.88	-6.17	-6.57	19/07/98	656	6856	310217
657022	6855988	30	979189	-3.8	-6.52	-6.77	-7.1	4/08/98	657	6856	310217
658015	6855992	23	979190	-4.33	-6.47	-6.66	-6.93	4/08/98	658	6856	310217
658988	6855983	17	979192	-4.47	-6.04	-6.19	-6.38	4/08/98	659	6856	310217
660032	6855989	22	979192	-3.43	-5.42	-5.6	-5.84	25/07/98	660	6856	310217
661036	6855984	17	979193	-3.86	-5.42	-5.56	-5.75	25/07/98	661	6856	310217

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
662005	6855970	17	979193	-3.42	-4.99	-5.14	-5.33	25/07/98	662	6856	310217
663067	6855908	15	979195	-2.19	-3.6	-3.73	-3.9	25/07/98	663	6856	310217
664030	6855874	15	979196	-1.73	-3.07	-3.19	-3.36	25/07/98	664	6856	310217
664998	6855802	9	979198	-1.51	-2.32	-2.4	-2.5	25/07/98	665	6856	310217
666013	6855958	6	979198	-1.37	-1.93	-1.99	-2.05	25/07/98	666	6856	310217
667032	6855881	Ō	979200	-1.47	-1.47	-1.47	-1.47	25/07/98	667	6856	310217
668057	6855981	2	979200	-1.36	-1.52	-1.53	-1.55	25/07/98	668	6856	310217
668914	6856217	5	979199	-0.76	-1.2	-1.25	-1.3	4/08/98	669	6856	704365
669937	6856013	5	979200	-0.51	-0.99	-1.03	-1.09	4/08/98	670	6856	704365
670970	6856003	4	979200	-0.47	-0.81	-0.84	-0.88	4/08/98	671	6856	704365
671954	6855976	4	979200	-0.49	-0.82	-0.85	-0.89	4/08/98	672	6856	704365
672981	6856005	3	979200	-0.56	-0.81	-0.84	-0.87	4/08/98	673	6856	704365
673975	6856011	3	979200	-0.58	-0.81	-0.83	-0.86	4/08/98	674	6856	704365
674970	6856053	0	979201	-0.87	-0.85	-0.84	-0.84	4/08/98	675	6856	704365
675961	6856002	0	979200	-0.67 -1.46	-0.65 -1.45	-0.64 -1.45	-0.6 <del>4</del> -1.45	4/08/98	676	6856	704365 704365
676978	6855986	-1	979200	-1.40	-1.45	-1.45 -1.85	-1.45 -1.85	4/08/98	677	6856	704365 704365
677977	6855998	-2	979200	-2.32	-2.18	-1.05 -2.17	-1.65 -2.15	4/08/98	678	6856	704365 704365
679007	6856043	-2 -5	979200	-2.32 -3	-2.10 -2.51	-2.17 -2.47	-2.15 -2.41	4/08/98	679	6856	704365 704365
679975	6856017	-4	979199	-3.49	-3.11	-2.47 -3.07	-3.02	4/08/98	680	6856	704365
680996	6856051	- <del></del>	979198	-3.49 -4.42	-4.01	-3.07 -3.97	-3.02 -3.92	4/08/98	681		
682011	6855996	-5	979198	-4.42 -5.43			-3.92 -4.9			6856	704365
682949	6856031	-5 -5	979196	-5.45 -6.45	-4.99 5.06	-4.95 5.03	-4.9 -5.86	4/08/98 4/08/98	682	6856	704365
		-5 -6			-5.96	-5.92			683	6856	704365
683999	6855979		979196	-7.36	-6.79 7.64	-6.7 <b>4</b>	-6.67	4/08/98	684	6856	704365
684998	6855976	-7	979195	-8.27	-7.64	-7.58 5.44	-7.5	4/08/98	685	6856	704365
648989	6857008	28	979190	-2.58	-5.18	-5.41 5.00	-5.73	12/08/98	649	6857	704365
649998	6856992	35	979189	-1.47	-4.72	-5.02	-5.42	19/07/98	650	6857	310217
651000	6857052	29	979190	-1.63	-4.34	-4.59	-4.92	19/07/98	651	6857	310217
651973	6857024	33	979189	-1.92	-4.92	-5.19	-5.56	18/07/98	652	6857	310217
652986	6857000	37	979188	-1.67	-5.05	-5.36	-5.78 5.70	18/07/98	653	6857	310217
653989	6856976	43	979187	-0.94	-4.88	-5.24	-5.72	18/07/98	654	6857	310217
654970	6857034	38	979188	-1.84	-5.32	-5.64	-6.07	18/07/98	655	6857	310217
655972	6857020	35	979187	-2.9	-6.13	-6.42	-6.82	19/07/98	656	6857	310217
657006	6856992	36	979186	-3.53	-6.85	-7.15 7.40	-7.56	4/08/98	657	6857	310217
657992	6857012	27	979188	-4.42	-6.89	-7.12	-7.42	4/08/98	658	6857	310217
659013	6856997	23	979190	-3.94	-6.03	-6.22	-6.47	4/08/98	659	6857	310217
659985	6856983	20	979192	-3.39	-5.21	-5.37	-5.6	25/07/98	660	6857	704365
661025	6856967	18	979192	-3.87	-5.53	-5.68	-5.89	25/07/98	661	6857	704365
662017	6856984	20	979192	-3.06	-4.86	-5.02	-5.24	25/07/98	662	6857	704365
662977	6856987	18	979194	-1.85	-3.5	-3.65	-3.85	25/07/98	663	6857	704365
663993	6857005	15	979195	-1.31	-2.73	-2.86	-3.04	25/07/98	664	6857	704365
664938	6856996	11	979197	-1.05	-2.04	-2.13	-2.25	25/07/98	665	6857	704365
666002	6856982	8	979198	-0.71	-1.45	-1.51	-1.6	25/07/98	666	6857	704365
666973	6857049	.7	979198	-0.55	-1.23	-1.29	-1.37	25/07/98	667	6857	704365
667951	6856973	4	979199	-0.97	-1.32	-1.35	-1.4	25/07/98	668	6857	704365
668917	6857051	6	979199	-0.5	-1.01	-1.05	-1.12	25/07/98	669	6857	704365
669959	6857044	5	979199	-0.35	-0.78	-0.82	-0.87	25/07/98	670	6857	704365
670945	6856964	5	979199	-0.23	-0.69	-0.73	-0.78	25/07/98	671	6857	704365
672086	6856974	4	979200	-0.09	-0.43	-0.46	-0.51	25/07/98	672	6857	704365
672982	6857072	3	979199	-0.55	-0.81	-0.83	-0.86	25/07/98	673	6857	704365
674039	6857031	2	979199	-0.93	-1.15	-1.17	-1.2	25/07/98	674	6857	704365
675001	6857056	1	979199	-1.27	-1.38	-1.39	-1.4	25/07/98	675	6857	704365
675944	6856998	1	979199	-1.69	-1.77	-1.78	-1.79	25/07/98	676	6857	704365
676996	6857000	1	979198	-2.25	-2.35	-2.35	-2.37	25/07/98	677	6857	704365
677983	6856996	-1	979198	-2.69	-2.64	-2.63	-2.62	25/07/98	678	6857	704365
679007	6856958	-1	979198	-3.46	-3.36	-3.35	-3.33	25/07/98	679	6857	704365
679985	6857029	-3	979197	-4.37	-4.12	-4.09	-4.06	25/07/98	680	6857	704365

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
680988	6856977	-4	979197	-5.47	-5.11	-5.08	-5.04	25/07/98	681	6857	704365
682020	6857061	-3	979195	-6.62	-6.39	-6.36	-6.34	25/07/98	682	6857	704365
683038	6857003	-2	979194	-7.39	-7.24	-7.23	-7.21	25/07/98	683	6857	704365
684039	6856981	-3	979194	-8.16	-7.87	-7.85	-7.81	25/07/98	684	6857	704365
684972	6857085	-6	979194	-9.04	-8.49	-8.44	-8.38	25/07/98	685	6857	704365
649039	6858024	25	979190	-2.31	-4.62	-4.83	-5.11	12/08/98	649	6858	704365
650021	6857958	30	979191	-0.46	-3.2	-3.45	-3.79	19/07/98	650	6858	310217
650993	6857948	26	979191	-1.31	-3.7	-3.91	-4.21	19/07/98	651	6858	310217
651983	6858009	31	979190	-1.4	-4.22	-4.48	-4.82	18/07/98	652	6858	310217
653005	6858027	37	979188	-0.92	-4.3	-4.61	-5.02	18/07/98	653	6858	310217
653950	6858036	50	979184	-0.48	-5.1	-5.52	-6.09	18/07/98	654	6858	310217
655048	6857997	46	979184	-1.8	-6.07	-6.45	-6.98	18/07/98	655	6858	310217
656001	6857917	38	979186	-3.06	-6.56	-6.88	-7.31	19/07/98	656	6858	310217
657015	6857999	29	979187	-3.91	-6.62	-6.87	-7.2	4/08/98	657	6858	310217
658007	6857977	26	979189	-3.53	-5.96	-6.18	-6.48	4/08/98	658	6858	310217
658976	6858026	23	979190	-3.46	-5.6	-5.8	-6.06	4/08/98	659	6858	310217
659986	6857938	11	979193	-3.92	-4.96	-5.06	-5.18	4/08/98	660	6858	310217
660978	6858077	17	979192	-3.53	-5.08	-5.22	-5.42	4/08/98	661	6858	310217
662078	6858002	17	979192	-3.08	-4.61	-4.74	-4.93	4/08/98	662	6858	310217
663010	6857988	18	979193	-2.16	-3.83	-3.99	-4.19	4/08/98	663	6858	310217
664034	6858035	15	979195	-1.26	-2.6	-2.72	-2.89	4/08/98	664	6858	310217
665010	6857967	10	979197	-0.48	-1.36	-1.44	-1.55	4/08/98	665	6858	310217
665957	6858013	8	979197	-0.6	-1.35	-1.42	-1.51	4/08/98	666	6858	310217
666995	6858028	6	979198	-0.84	-1.4	-1.45	-1.52	4/08/98	667	6858	310217
668225	6857969	7	979198	-0.71	-1.31	-1.37	-1.44	25/07/98	668	6858	704365
668976	6858026	6	979198	-0.58	-1.13	-1.17	-1.24	25/07/98	669	6858	704365
669962	6857991	5	979198	-0.39	-0.88	-0.93	-0.99	25/07/98	670	6858	704365
670970	6857971	5	979198	-0.36	-0.79	-0.83	-0.88	25/07/98	671	6858	704365
671942	6857999	4	979199	-0.38	-0.73	-0.76	-0.81	25/07/98	672	6858	704365
672981	6857965	4	979198	-0.8	-1.13	-1.16	-1.2	<b>25/07/98</b>	673	6858	704365
673951	6857961	3	979198	-1.35	-1.63	-1.66	-1.69	25/07/98	674	6858	704365
675003	6858011	2	979198	-1.91	-2.11	-2.13	-2.15	25/07/98	675	6858	704365
675912	6858001	1	979197	-2.38	-2.5	-2.52	-2.53	25/07/98	676	6858	704365
676927	6858025	, O	979197	-2.96	-2.98	-2.98	-2.98	25/07/98	677	6858	704365
677965	6858076	1	979196	-3.45	-3.55	-3.55	-3.57	25/07/98	678	6858	704365
679003	6857944	-1	979196	-4.14	-4.02	-4.01	-4	25/07/98	679	6858	704365
679918	6857954	-2	979196	-5.04	-4.83	-4.81	-4.78	25/07/98	680	6858	704365
681015	6857970	- <u>2</u>	979195	-6.15	-5.96	-5.95	-5.93	<b>2</b> 5/07/98	681	6858	704365
681950	6858002	-2 -2	979194	-7.14	-6.96	-6.94	-6.92	25/07/98	682	6858	704365
682940	6858021	-4	979193	-8.17	-7.83	-7.8	-7.76	25/07/98	683	6858	704365
683929	6858009	-4	979193	-8.86	-8.45	-8.41	-8.36	25/07/98	684	6858	704365
684998	6857978	-5	979192	-9.46	-8.96	-8.91	-8.85	25/07/98	685	6858	704365
649016	6858970	23	979191	-2.2	-4.3	-4.49	-4.75	12/08/98	649	6859	704365
650030	6858968	24	979191	-1.03	-3.26	-3.47	-3.74	12/08/98	650	6859	704365
651012	6859074	24	979192	-0.58	-2.82	-3.02	-3.7	18/07/98	651	6859	310217
651989	6858994	28	979191	-0.51	-3.07	-3.3	-3.62	18/07/98	652	6859	310217
653038	6858974	37	979188	-0.19	-3.57	-3.87	-4.29	18/07/98	653	6859	310217
653996	6858973	34	979188	-1.39	-4.56	-4.85	-5.24	18/07/98	654	6859	310217
654987	6858995	34	979187	-2.43	-5.57	-5.85	-6.24	18/07/98	655	6859	310217
655977	6859034	30	979187	-2.43 -3.01	-5.78	-6.03	-6.37	19/07/98	656	6859	310217
657018	6858958	23	979189	-3.36	-5.76 -5.48	-5.68	-5.94	4/08/98	657	6859	310217
658013	6858979	26	979189	-2.93	-5. <del>4</del> 6 -5.28	-5.5 -5.5	-5. <del>94</del> -5.79	4/08/98	658	6859	310217
659011	6858995	23	979199	-2.93 -2.99	-5.20 -5.1	-5.29	-5.79 -5.55	4/08/98	659	6859	310217
659975	6859084	19	979190	-2.59	-5.37	-5.53	-5.75	4/08/98	660	6859	310217
660968	6859024	15	979190	-3.59 -4.44	-5.86	-5.99	-5.75 -6.17	4/08/98	661	6859	310217
662030	6859004	15	979190	-4. <del>44</del> -4.37	-5.73	-5.85	-6.02	4/08/98	662	6859	310217
002030	0003004	10	010101	~ <b>7.</b> 01	-0.13	-0.00	-0.02	-100/30	002	0009	3 IUZ I/

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
663013	6858998	21	979190	-3.51	-5.42	-5.59	-5.82	4/08/98	663	6859	310217
663965	6859032	10	979193	-3.09	-4.02	-4.1	-4.22	4/08/98	664	6859	310217
665018	6858991	9	979196	-1.22	-2.07	-2.15	-2.26	4/08/98	665	6859	310217
666010	6858977	8	979196	-0.97	-1.71	-1.78	-1.87	4/08/98	666	6859	310217
666978	6859090	6	979196	-1.26	-1.81	-1.86	-1.93	4/08/98	667	6859	704365
667928	6859019	6	979197	-1.06	-1.66	-1.71	-1.78	25/07/98	668	6859	704365
669048	6859020	6	979197	-1.1	-1.68	-1.73	-1.8	28/07/98	669	6859	704365
670000	6859054	6	979197	-0.99	-1.57	-1.63	-1.7	28/07/98	670	6859	704365
671044	6858999	5	979197	-0.87	-1.32	-1.36	-1.41	28/07/98	671	6859	704365
672034	6859067	5	979197	-0.84	-1.31	-1.35	-1.41	28/07/98	672	6859	704365
673048	6859032	4	979197	-1.21	-1.56	-1.6	-1.64	28/07/98	673	6859	704365
674001	6858932	3	979197	-1.81	-2.09	-2.12	-2.16	28/07/98	674	6859	704365
674936	6859005	2	979196	-2.46	-2.67	-2.69	-2.72	28/07/98	675	6859	704365
676032	6859019	2	979196	-3.1	-3.27	-3.29	-3.31	28/07/98	676	6859	704365
676999	6859008	1	979196	-3.56	-3.66	-3.67	-3.69	28/07/98	6 <b>7</b> 7	6859	704365
678004	6858966	0	979195	-4.26	-4.29	-4.29	-4.3	28/07/98	678	6859	704365
679034	6858995	1	979194	-5.04	-5.09	-5.1	- <del>5</del> .11	28/07/98	679	6859	704365
679996	6859042	-2	979194	-6.18	-6.01	-6	-5.98	28/07/98	680	6859	704365
681038	6858925	-2	979193	-7.03	-6.84	-6.83	-6.81	28/07/98	681	6859	704365 704365
681990	6858995	-2 -2	979192	-7.98	-7.79	-7.77	-7.75	28/07/98	682	6859	704365
682942	6858973	-2 -2	979191	-8.73	-7.75 -8.55	-8.54	-7.73 -8.51	28/07/98	683	6859	704365
683969	6859055	-4	979191	-0.73 -9.74	-9.35	-9.31	-9.26	28/07/98	684		
684985	6858936	-4 -4	979191	-10.01	-9.61	-9.57	-9.52	28/07/98	685	6859	704365
	6860027	19	979193	-0.46						6859	704365
649004					-2.19	-2.35	-2.57	12/08/98	649	6860	704365
650023	6859992	23	979192	-0.05	-2.15	-2.34	-2.6	19/07/98	650	6860	310217
650965	6859973	21	979192	-0.36	-2.31	-2.49	-2.73	18/07/98	651	6860	310217
652039	6860070	23	979192	0.01	-2.12	-2.31	-2.57	18/07/98	652	6860	310217
653054	6860035	25	979191	-0.33	-2.63	-2.84	-3.12	18/07/98	653	6860	310217
653974	6859942	26	979190	-1.47	-3.85	-4.06	-4.36	18/07/98	654	6860	310217
653975	6859942	26	979190	-1.44	-3.81	-4.03	-4.32	19/07/98	654	6860	310217
655009	6860045	28	979189	-1.6	-4.19	-4.42	-4.74	18/07/98	655	6860	310217
655985	6860053	25	979189	-2.1	-4.38	-4.59 5.07	-4.87	19/07/98	656	6860	310217
657035	6859998	29	979188	-2.15	-4.83	-5.07	-5.4	4/08/98	657	6860	310217
657994	6860048	20	979190	-2.64	-4.46	-4.62	-4.85	4/08/98	658	6860	310217
658972	6860018	20	979190	-3.21	-5.06	-5.23	-5.46	4/08/98	659	6860	310217
660022	6859990	15	979190	-4.73	-6.14	-6.27	-6.44	4/08/98	660	6860	310217
660980	6859987	14	979189	-5.38	-6.65	-6.77	-6.93	4/08/98	661	6860	310217
661992	6859971	12	979190	-5.26	-6.37	-6.47	-6.61	4/08/98	662	6860	310217
663073	6860024	18	979189	-4.23	-5.88	-6.03	-6.24	4/08/98	663	6860	310217
664033	6860026	10	979191	-4.47	-5.4	-5.49	-5.61	4/08/98	664	6860	310217
665049	6860005	4	979193	-4.27	-4.68	-4.71	-4.76	4/08/98	665	6860	310217
666175	6860102	9	979193	-3.02	-3.86	-3.93	-4.03	4/08/98	666	6860	704365
667004	6860092	7	979194	-2.42	-3.1	-3.16	-3.25	4/08/98	667	6860	704365
668000	6860034	7	979195	-1.85	-2.49	-2.55	-2.63	25/07/98	668	6860	704365
669000	6859992	7	979195	-1.71	-2.33	-2.38	-2.46	28/07/98	669	6860	310217
670041	6859988	6	979195	-2.28	-2.81	-2.86	-2.92	28/07/98	670	6860	310217
670952	6859989	5	979195	-2.04	-2.54	-2.58	-2.64	28/07/98	671	6860	310217
671970	6860023	5	979196	-1.94	-2.36	-2.4	-2.45	28/07/98	672	6860	310217
673057	6859989	4	979196	-2.17	-2.53	-2.56	-2.61	28/07/98	673	6860	310217
673916	6859991	4	979195	-2.76	-3.09	-3.12	-3.16	28/07/98	674	6860	310217
675030	6859997	3	979194	-3.65	-3.89	-3.91	-3.94	28/07/98	675	6860	310217
675987	6860040	2	979194	-4.35	-4.5	-4.51	-4.53	28/07/98	676	6860	310217
676958	6859996	1	979194	-4.53	-4.65	-4.66	-4.67	28/07/98	677	6860	310217
678003	6859992	1	979193	-5.52	-5.57	-5.57	-5.58	28/07/98	678	6860	310217
678991	6860022	1	979192	-6.36	-6.49	-6.5	-6.51	28/07/98	679	6860	310217
679956	6860039	-1	979192	-7.37	-7.26	-7.25	-7.24	28/07/98	680	6860	310217

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
681004	6859977	-1	979191	-8.24	-8.15	-8.15	-8.14	28/07/98	681	6860	310217
682006	6860031	-2	979191	-8.93	-8.72	-8.7	-8.67	28/07/98	682	6860	704365
683061	6860025	-2	979190	-9.58	-9.38	-9.36	-9.34	28/07/98	683	6860	704365
683949	6859976	-4	979190	-10.32	-9.96	-9.92	-9.88	28/07/98	684	6860	704365
684976	6860003	-5	979189	-10.93	-10.46	-10.42	-10.36	28/07/98	685	6860	704365
648986	6860976	18	979192	-0.9	-2.57	-2.72	-2.92	18/07/98	649	6861	704365
650133	6860992	20	979191	-1	-2.81	-2.97	-3.2	19/07/98	650	6861	310217
651008	6861038	19	979192	-0.94	-2.67	-2.83	-3.04	18/07/98	651	6861	310217
652003	6860979	19	979193	0.91	-0.89	-1.05	-1.27	18/07/98	652	6861	310217
653003	6860948	20	979194	1.97	0.17	0.01	-0.21	18/07/98	653	6861	310217
653983	6861057	20	979193	0.36	-1.45	-1.61	-1.84	18/07/98	654	6861	310217
653983	6861057	20	979193	0.33	-1.48	-1.65	-1.87	19/07/98	654	6861	310217
655030	6860981	22	979191	-0.75	-2.75	-2.93	-3.17	18/07/98	655	6861	310217
656051	6861000	19	979190	-2.27	-3.98	-4.14	-4.35	19/07/98	656	6861	310217
657033	6861015	19	979190	-2.69	-4.48	-4.64	-4.86	4/08/98	657	6861	310217
657991	6861007	18	979190	-2.96	-4.63	-4.79	-4.99	4/08/98	658	6861	310217
658971	6860994	19	979189	-3.71	-5.43	-5.58	-5.79	4/08/98	659	6861	310217
660008	6861015	12	979189	-5.51	-6.63	-6.74	-6.88	4/08/98	660	6861	310217
660999	6860978	11	979190	-5.35	-6.37	-6.46	-6.58	4/08/98	661	6861	310217
662000	6861019	10	979190	-4.86	-5.82	-5.9	-6.02	4/08/98	662	6861	310217
663004	6860972	13	979190	-4.29	-5.51	-5.62	-5.77	4/08/98	663	6861	310217
664917	6861001	6	979192	-4.78	-5.3	-5.35	-5.41	4/08/98	665	6861	704365
666005	6861029	8	979191	-4.27	-5.05	-5.12	-5.21	4/08/98	666	6861	704365
666932	6861003	8	979192	-3.9	-4.65	-4.72	-4.81	4/08/98	667	6861	704365
667999	6861015	8	979193	-2.92	-3.66	-3.73	-3.82	25/07/98	668	6861	704365
669054	6860988	7	979193	-2.76	-3.39	-3.44	-3.52	29/07/98	669	6861	704365
670018	6861046	6	979193	-2.92	-3.52	-3.57	-3.65	29/07/98	670	6861	704365
671047	6860974	6	979194	-2.74	-3.25	-3.3	-3.37	29/07/98	671	6861	704365
672006	6860984	6	979194	-2.74	-3.29	-3.33	-3.4	29/07/98	672	6861	704365
672903	6861056	4	979194	-3.31	-3.66	-3.69	-3.74	29/07/98	673	6861	704365
674016	6861020	4	979193	-4.05	-4.4	-4.43	-4.48	29/07/98	674	6861	704365
675047	6861006	3	979192	-4.85	-5.16	-5.18	-5.22	29/07/98	675	6861	704365
675945	6860995	3	979192	-5.29	-5.53	-5.55	-5.59	29/07/98	676	6861	704365
677046	6860998	2	979192	-5.81	-5.97	-5.98	-6	29/07/98	677	6861	704365
677973	6861017	2	979191	-6.62	-6.79	-6.81	-6.83	29/07/98	678	6861	704365
679005	6861008	0	979190	-7.88	-7.86	-7.86	-7.85	29/07/98	679	6861	704365
680012	6860986	-1	979190	-8.82	-8.75	-8.74	-8.73	29/07/98	680	6861	704365
680972	6861005	-1	979189	-9.53	-9.45	-9.44	-9.43	28/07/98	681	6861	704365
680972	6861005	-1	979189	-9.54	-9.46	-9.45	-9.44	28/07/98	681	6861	704365
680972	6861005	-1	979189	-9.48	-9.38	-9.38	-9.37	29/07/98	681	6861	704365
682011	6860951	-2	979189	-10.1	-9.93	-9.91	-9.89	28/07/98	682	6861	704365
683005	6861025	-3	979188	-10.89	-10.59	-10.57	-10.53	28/07/98	683	6861	704365
648968	6862025	20	979190	-1.62	-3.45	-3.61	-3.84	18/07/98	649	6862	704365
650044	6861975	17	979191	-1.85	-3.44	-3.58	-3.78	18/07/98	650	6862	704365
650972	6861955	18	979191	-1.43	-3.1	-3.25	-3.45	18/07/98	651	6862	310217
652047	6861996	17	979192	0.01	-1.57	-1.71	-1.91	18/07/98	652	6862	310217
653041	6861986	17	979194	1.23	-0.33	-0.48	-0.67	18/07/98	653	6862	310217
654032	6862020	17	979194	1.32	-0.21	-0.34	-0.53	18/07/98	654	6862	310217
654032	6862021	17	979194	1.38	-0.14	-0.28	-0.46	19/07/98	654	6862	310217
654997	6861995	16	979192	-0.93	-2.4	-2.53	-2.71	18/07/98	655	6862	310217
655964	6861986	16	979190	-2.58	-4.01	-4.14	-4.32	19/07/98	656	6862	310217
656999	6861929	15	979190	-3.4	-4.76	-4.88	-5.05	4/08/98	657	6862	310217
658041	6862001	13	979190	-3.82	-5.05	-5.16	-5.31	4/08/98	658	6862	310217
659040	6862043	11	979189	-5.01	-6.06	-6.16	-6.29	4/08/98	659	6862	310217
660017	6861982	11	979189	-5.22	-6.24	-6.33	-6.46	4/08/98	660	6862	310217
660989	6861958	10	979190	-4.99	-5.9	-5.98	-6.09	4/08/98	661	6862	310217
· ·	a. aa- <del>a</del> -		· · - · <del>- •</del>	<del>-</del>				5, 50		5502	J.JE!!

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
662077	6861977	13	979190	-3.73	-4.94	-5.05	-5.2	4/08/98	662	6862	310217
663974	6862077	9	979190	-4.42	-5.22	-5.3	-5.39	4/08/98	664	6862	704365
665000	6862025	8	979191	-4.47	-5.21	-5.28	-5.37	4/08/98	665	6862	704365
666003	6862010	9	979190	-4.48	-5.28	-5.36	-5.45	4/08/98	666	6862	704365
667016	6861981	8	979191	-4.41	-5.11	-5.17	-5.26	4/08/98	667	6862	704365
667992	6861955	6	979191	-4.31	-4.9	-4.96	-5.03	25/07/98	668	6862	704365
668957	6862006	7	979191	-4.08	-4.71	-4.77	-4.85	29/07/98	669	6862	310217
670007	6861979	7	979192	-3.93	-4.55	-4.61	-4.68	29/07/98	670	6862	310217
670941	6861928	6	979192	-3.7	-4.22	-4.27	-4.33	29/07/98	671	6862	310217
671997	6861995	5	979192	-3.92	-4.35	-4.39	-4.44	29/07/98	672	6862	310217
672982	6862009	4	979191	-4.68	-5.08	-5.12	-5.17	29/07/98	673	6862	310217
674021	6861977	4	979191	-5.41	-5.78	-5.81	-5.86	29/07/98	674	6862	310217
674955	6862048	4	979190	-6.24	-6.64	-6.68	-6.73	29/07/98	675	6862	310217
676010	6862057	3	979190	-6.83	-7.13	-7.16	-7.19	29/07/98	676	6862	310217
676989	6861953	2	979189	-7.49	-7.69	-7.71	-7.73	29/07/98	677	6862	310217
677963	6862018	2	979189	-8.39	-8.54	-8.56	-8.57	29/07/98	678	6862	310217
678958	6862025	1	979188	-9.63	-9.7	-9.7	-9.71	29/07/98	679	6862	310217
680004	6861995	-1	979187	-10.61	-10.54	-10.54	-10.53	29/07/98	680	6862	310217
680977	6862008	-1	979186	-11.38	-11.3	-11.29	-11.28	29/07/98	681	6862	310217
682044	6862032	-1	979186	-12	-11.86	-11.85	-11.83	28/07/98	682	6862	704365
648977	6863061	19	979189	-2.39	-4.15	-4.31	-4.53	18/07/98	649	6863	704365 704365
650008	6863027	19	979189	-2.1	-3.84	-4.51 -4	-4.21	18/07/98	650	6863	704365 704365
650934	6863009	17	979199	-2.1 -1.55	-3.16	- <del></del> -3.31	-3.5	17/07/98	651	6863	704365 704365
651965	6863018	12	979192	-1.47	-2.6	-3.31 -2.7	-3.5 -2.84	15/08/98			
653034	6863052	16	979192	-0.38	-1.84			18/07/98	652 653	6863	704365
653975			979192	0.97		-1.97	-2.15		653	6863	310217
655066	6862998 6863012	16 15	979193	-0.98	-0.49	-0.62	-0.8	18/07/98	654 655	6863	310217
			979191		-2.41	-2.53	-2.71	18/07/98	655	6863	310217
656000 657067	6863022 6862990	14 13	979189	-2.74 -3.56	-4.04	-4.16	-4.32 5.07	19/07/98	656 657	6863	310217
657067					-4.8 5.21	-4.91	-5.07 5.52	4/08/98	657	6863	310217
658079	6862885	10	979190	-4.36 5.36	-5.31	-5.4	-5.52	4/08/98	658	6863	310217
659001	6862991	11	979188	-5.36 5.34	-6.39	-6.48	-6.61	4/08/98	659	6863	310217
660003	6862954	10	979188	-5.34	-6.29 5.24	-6.38	-6.49	4/08/98	660	6863	310217
660992	6863008	9	979190	-4.34	-5.21	-5.29	-5.4	4/08/98	661	6863	310217
661914	6862908	6	979191	-3.7	-4.25	-4.3	-4.37	4/08/98	662	6863	310217
662928	6863056	7	979192	-3.34	-3.94	-4	-4.07	4/08/98	663	6863	704365
663956	6863037	8	979191	-3.14	-3.85	-3.92	-4.01	4/08/98	664	6863	704365
665008	6862939	7	979191	-3.56	-4.23	-4.29	-4.37	4/08/98	665	6863	704365
665963	6862985	7	979191	-4.05	-4.69	-4.75	-4.83 	4/08/98	666	6863	704365
666999	6863004	8	979190	-4.37	-5.12	-5.19	-5.29	4/08/98	667	6863	704365
666999	6863004	8	979190	-4.35	-5.1	-5.17	-5.26	4/08/98	667	6863	704365
668934	6862983	6	979190	-5.22	-5.8	-5.85	-5.93	29/07/98	669	6863	704365
670046	6862989	6	979190	-4.59	-5.14	-5.19	-5.25	29/07/98	670	6863	704365
670964	6863016	5	979191	-4.47	-4.97	-5.02	-5.08	29/07/98	671	6863	704365
671979	6862980	5	979191	-4.48	-4.95	-4.99	-5.05	29/07/98	672	6863	704365
672987	6862971	5	979190	-5.29	-5.76	-5.8	-5.86	29/07/98	673	6863	704365
673971	6863045	5	979189	-6.63	-7.08	-7.13	-7.18	29/07/98	674	6863	704365
674934	6862997	4	979188	-7.39	-7.77	-7.81	-7.86	29/07/98	675	6863	704365
676024	6863031	3	979187	-8.43	-8.74	-8.77	-8.8	29/07/98	676	6863	704365
676943	6862954	4	979187	-9.06	-9.4	-9.43	-9.47	29/07/98	677	6863	704365
677978	6862977	2	979186	-10.26	-10.41	-10.42	-10.44	29/07/98	678	6863	704365
679028	6863027	0	979185	-11.56	-11.56	-11.56	-11.57	29/07/98	679	6863	704365
679918	6863015	0	979185	-12.36	-12.33	-12.33	-12.32	29/07/98	680	6863	704365
681028	6862958	-1	979184	-13.05	-13	-12.99	-12.98	29/07/98	681	6863	704365
649001	6864004	19	979188	-2.29	-4.08	-4.24	-4.46	18/07/98	649	6864	704365
650020	6863945	18	979189	-1.87	-3.53	-3.68	-3.88	18/07/98	650	6864	704365
650996	6863911	18	979190	-0.68	-2.29	-2.44	-2.64	17/07/98	651	6864	704365

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
652005	6864029	16	979192	0.43	-1.08	-1.22	-1.4	17/07/98	652	6864	704365
653034	6864014	15	979191	-0.2	-1.62	-1.75	-1.92	17/07/98	653	6864	704365
654044	6864055	14	979192	-0.04	-1.38	-1.5	-1.67	17/07/98	654	6864	704365
654996	6863951	11	979192	-1.4	-2.41	-2.51	-2.63	18/07/98	655	6864	310217
654961	6864107	11	979192	-1.41	-2.4	-2.49	-2.61	26/07/98	655	6864	704365
655965	6864020	12	979190	-2.74	-3.82	-3.92	-4.05	26/07/98	656	6864	704365
656999	6864005	12	979189	-3.79	-4.9	-5	-5.13	26/07/98	657	6864	704365
657987	6863992	11	979188	-5	-6.03	-6.12	-6.25	26/07/98	658	6864	704365
658976	6864138	10	979188	-5.62	-6.54	-6.63	-6.74	26/07/98	659	6864	704365
659993	6864013	7	979189	-5.09	-5.77	-5.83	-5.91	26/07/98	660	6864	704365
660941	6864102	8	979190	-3.99	-4.69	-4.75	-4.83	26/07/98	661	6864	704365
662041	6863995	6	979192	-2.78	-3.38	-3.43	-3.51	26/07/98	662	6864	704365
663023	6864000	9	979192	-1.78	-2.62	-2.7	-2.8	26/07/98	663	6864	704365
664020	6863993	9	979191	-2.11	-2.92	-3	-3.1	26/07/98	664	6864	704365
664020	6863993	9	979191	-2.1	-2.91	-2.99	-3.09	26/07/98	664	6864	704365
664950	6864020	9	979191	-2.83	-3.68	-3.75	-3.86	26/07/98	665	6864	704365
664950	6864020	9	979191	-2.83	-3.68	-3.76	-3.86	26/07/98	665	6864	704365
664950	6864020	9	979191	-2.78	-3.63	-3.71	-3.81	28/07/98	665	6864	704365
664950	6864020	9	979191	-2.79	-3.63	-3.71	-3.82	28/07/98	665	6864	704365
666035	6863978	9	979190	-3.85	-4.66	-4.73	-4.83	25/07/98	666	6864	704365
666035	6863978	9	979190	-3.87	-4.68	-4.75	-4.85	25/07/98	666	6864	704365
666035	6863978	9	979190	-3.88	-4.69	-4.76	-4.86	25/07/98	666	6864	704365
666035	6863978	9	979190	-3.84	-4.64	-4.72	-4.82	26/07/98	666	6864	704365
666035	6863978	9	979190	-3.86	-4.66	-4.74	-4.84	26/07/98	666	6864	704365
666035	6863978	9	979190	-3.88	-4.68	-4.75	-4.85	26/07/98	666	6864	704365
666035	6863978	9	979190	-3.88	-4.68	-4.76	-4.86	26/07/98	666	6864	704365
666960	6864014	8	979189	-4.77	-5.49	-5.56	-5.65	25/07/98	667	6864	704365
666960	6864014	8	979189	-4.78	-5.5	-5.56	-5.65	25/07/98	667	6864	704365
666960	6864014	8	979189	-4.75	-5.47	-5.53	-5.62	26/07/98	667	6864	704365
666960	6864014	8	979189	-4.77	-5.49	-5.56	-5.65	26/07/98	667	6864	704365
668010	6863987	8	979188	-5.23	-5.98	-6.04	-6.14	25/07/98	668	6864	704365
668010	6863987	8	979188	-5.24	-5.99	-6.06	-6.15	25/07/98	668	6864	704365
668010	6863987	8	979188	-5.25	-6	-6.07	-6.16	25/07/98	668	6864	704365
668010	6863987	8	979189	-5.24	-5.98	-6.05	-6.14	26/07/98	668	6864	704365
668010	6863987	8	979188	-5.24	-5.99	-6.05	-6.15	26/07/98	668	6864	704365
668989	6864010	7	979189	-5.54	-6.17	-6.22	-6.3	29/07/98	669	6864	310217
670002	6864019	6	979189	-5.56	-6.16	-6.21	-6.29	29/07/98	670	6864	310217
671007	6864056	6	979189	-5.23	-5.75	-5.79	-5.86	29/07/98	671	6864	310217
671961	6863999	6	979189	-5.5	-6.05	-6.1	-6.17	29/07/98	672	6864	310217
672957	6863992	5	979188	-6.79	-7.27	-7.32	-7.38	29/07/98	673	6864	310217
673975	6864040	5	979186	-8.63	-9.05	-9.09	-9.14	29/07/98	674	6864	310217
674995	6864016	4	979185	-9.8	-10.14	-10.17	-10.21	29/07/98	675	6864	310217
675992	6863976	3	979185	-10.72	-10.98	-11	-11.03	29/07/98	676	6864	310217
676977	6863997	2	979184	-11.75	-11.97	-11.99	-12.02	29/07/98	677	6864	310217
678020	6864012	1	979183	-12.78	-12.83	-12.84	-12.85	29/07/98	678	6864	310217
678960	6864031	o	979182	-13.55	-13.58	-13.58	-13.59	29/07/98	679	6864	310217
680021	6864004	0	979182	-14.34	-14.36	-14.36	-14.36	29/07/98	680	6864	310217
648996	6865002	18	979188	-2.5	-4.19	-4.34	-4.55	18/07/98	649	6865	704365
650028	6865015	19	979188	-1.72	-3.44	-3.6	-3.81	18/07/98	650	6865	704365
650996	6864968	17	979191	0.02	-1.54	-1.68	-1.88	17/07/98	651	6865	704365
652022	6865053	16	979191	0.02	-1.44	-1.57	-1.74	17/07/98	652	6865	704365
652987	6865006	14	979191	-0.57	-1.87	-1.99	-2.15	17/07/98	653	6865	704365
653995	6865018	12	979191	-0.7	-1.82	-1.92	-2.15	17/07/98	654	6865	704365
655064	6865044	12	979190	-2.24	-3.39	-3.49	-3.63	28/07/98	655	6865	310217
655995	6865025	12	979188	-3.76	-4.9	-5. <del>-1</del> 5	-5.03 -5.14	4/08/98	656	6865	704365
656995	6864971	12	979188	-4.3	- <del>5</del> .42	-5.52	-5.66	4/08/98	657	6865	704365
00000	300 <del>,</del> 01 1		51,0100	ન,∪	J.72	0.02		TIOUISU	.001	0000	70-1300

East North Elev Observ_	g Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
658006 6864995 10 979187	-5.38	-6.34	-6.43	-6.55	4/08/98	658	6865	704365
659023 6864979 9 979187	-5.79	-6.58	-6.65	-6.75	26/07/98	659	6865	704365
660020 6864992 4 979189	-5.37	-5.78	-5.82	-5.87	30/07/98	660	6865	704365
661044 6865027 7 979189	-3.99	-4.68	-4.74	-4.82	30/07/98	661	6865	704365
661947 6865034 9 979190	-2.86	-3.72	-3.8	-3.91	30/07/98	662	6865	704365
663039 6865050 9 979190	-2.36	-3.18	-3.26	-3.36	30/07/98	663	6865	704365 704365
663959 6864981 10 979190	-2.25	-3.14	-3.22	-3.33	30/07/98	664	6865	704365 704365
664961 6865046 9 979190	-3.3	-4.1	-3.22 -4.17	-3.33 -4.27	30/07/98	665	6865	
666005 6865033 8 979189	-3.3 -4.44	- <del></del> . 1 -5.19	-5.25	- <del>5</del> .27	30/07/98			704365
666950 6864988 8 979188	-5.33	-6.04	-6.1	-5.33 -6.19	30/07/98	666 667	6865	704365
667978 6865078 8 979187	-6.32	-7.04		-0.19 -7.2		667	6865	704365
669014 6865044 7 979186	-0.32 -7.08	-7.04 -7.72	-7.11 -7.77		29/07/98	668	6865	704365
670110 6864974 6 979187	-7.06 -6.51	-7.72 -7.04	-7.77 7.00	-7.85	29/07/98	669	6865	704365
			-7.09	-7.16	29/07/98	670	6865	704365
	-6.27 7.63	-6.84 9.17	-6.89	-6.96	29/07/98	671	6865	704365
672000 6864995 6 979186 672962 6864938 5 979185	-7.63 -9.07	-8.17 0.53	-8.22	-8.29	29/07/98	672	6865	704365
		-9.52	-9.57	-9.62	29/07/98	673	6865	704365
	-10.64	-11.05	-11.09	-11.14	29/07/98	674	6865	704365
675018 6865042 3 979182	-11.97	-12.28	-12.31	-12.35	29/07/98	675	6865	704365
675996 6865004 3 979182	-12.86	-13.09	-13.11	-13.14	29/07/98	676	6865	704365
676978 6865034 1 979181	-13.78	-13.92	-13.93	-13.95	29/07/98	677	6865	704365
678011 6864948 1 979181	-14.3	-14.38	-14.39	-14.4	29/07/98	678	6865	704365
649004 6866060 19 979186	-3.44	-5.15 5.40	-5.31	-5.52	18/07/98	649	6866	704365
649004 6866060 19 979186	-3.45	-5.16	-5.31	-5.52	18/07/98	649	6866	704365
649978 6866012 18 979187	-2.35	-3.97	-4.11	-4.31	18/07/98	650	6866	704365
650991 6865987 16 979189	-0.96	-2.46	-2.6	-2.79	17/07/98	651	6866	704365
650990 6865987 16 979189	-0.97	-2.47	-2.6	-2.79	18/07/98	651	6866	704365
651973 6865972 15 979189	-1.07	-2.49	-2.62	-2.8	17/07/98	652	6866	704365
653035 6866026 14 979189	-1.38	-2.69	-2.81	-2.97	17/07/98	653	6866	704365
653999 6866021 13 979189	-1.75	-2.92	-3.03	-3.18	17/07/98	654	6866	704365
655009 6865908 11 979189	-2.93	-3.98	-4.08	-4.21	28/07/98	655	6866	310217
656057 6866033 12 979187	-3.84	-4.95	-5.05	-5.19	30/07/98	656	6866	310217
657004 6865999 11 979187	-5.07	-6.07	-6.17	-6.29	30/07/98	657	6866	310217
657993 6866018 8 979187	-6.01	-6.71	-6.77	-6.86	30/07/98	658	6866	310217
658983 6866042 7 979187	-6.09	-6.71	-6.77	-6.85	30/07/98	659	6866	310217
659936 6866072 9 979187	-5.4	-6.24	-6.31	-6.41	30/07/98	660	6866	310217
660974 6866004 9 979188	-4.26	-5.13	-5.2	-5.31	30/07/98	661	6866	310217
661976 6866010 9 979189	-3.61	-4.44	-4.52	-4.62	30/07/98	662	6866	310217
662965 6866038 9 979189	-3	-3.84	-3.92	-4.02	30/07/98	663	6866	310217
663952 6866036 9 979189	-3.27	-4.07	-4.15	-4.24	30/07/98	664	6866	310217
664959 6866003 7 979188	-4.09	-4.78	-4.84	-4.93	30/07/98	665	6866	310217
666017 6865992 7 979187	-5.63	-6.29	-6.35	-6.43	30/07/98	666	6866	310217
666965 6866021 7 979186	-7.08	-7.69	-7.74	-7.82	30/07/98	667	6866	310217
667992 6865941 7 979184	-8.27	-8.96	-9.02	-9.11	30/07/98	668	6866	310217
668929 6866022 6 979184	-8.85	-9.43	-9.48	-9.55	29/07/98	669	6866	310217
669958 6866029 5 979185	-8.59	-9.08	-9.13	-9.19	29/07/98	670	6866	310217
670943 6865985 5 979184	-8.99	-9.43	-9.47	-9.52	29/07/98	671	6866	310217
672024 6865981 4 979183	-10.08	-10.46	-10.49	-10.54	29/07/98	672	6866	310217
672976 6866048 5 979182	-11.31	-11.73	-11.77	-11.82	29/07/98	673	6866	310217
674015 6866022 4 979181	-12.28	-12.64	-12.67	-12.72	29/07/98	674	6866	310217
674929 6866011 3 979181	-13.31	-13.59	-13.62	-13.65	29/07/98	675	6866	310217
675976 6865968 2 979180	-14.48	-14.67	-14.69	-14.71	29/07/98	676	6866	310217
676937 6865989 1 979179	-15.1	-15.22	-15.23	-15.25	29/07/98	677	6866	310217
648973 6866904 18 979184	-4.42	-6.08	-6.23	-6.44	18/07/98	649	6867	704365
650056 6867019 16 979186	-3.57	-5.05	-5.18	-5.36	18/07/98	650	6867	704365
650986 6866927 14 979187	-2.87	-4.18	-4.3	-4.46	17/07/98	651	6867	704365
650985 6866927 14 979187	-2.85	-4.17	-4.29	-4.45	18/07/98	651	6867	704365

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
651985	6867022	14	979187	-2.68	-3.96	-4.07	-4.23	17/07/98	652	6867	704365
653048	6867004	13	979188	-2.49	-3.67	-3.78	-3.93	17/07/98	653	6867	704365
653991	6866944	13	979188	-2.51	-3.68	-3.79	-3.93	17/07/98	654	6867	704365
655000	6867013	10	979188	-3.64	-4.55	-4.63	-4.74	28/07/98	655	6867	310217
656015	6867008	10	979187	-4.33	-5.23	-5.31	-5.42	30/07/98	656	6867	704365
657026	6866941	6	979187	-5.38	-5.93	-5.98	-6.04	30/07/98	657	6867	704365
657996	6867041	9	979185	-6.18	-7.05	-7.13	-7.24	29/07/98	658	6867	704365
658939	6866956	10	979185	-6.24	-7.19	-7.27	-7.39	29/07/98	659	6867	704365
660020	6867010	10	979186	-5.48	-6.41	-6.49	-6.61	29/07/98	660	6867	704365
660971	6867019	10	979187	-4.53	-5.42	-5.5	-5.61	29/07/98	661	6867	704365
660971	6867019	10	979187	-4.56	-5.45	-5.53	-5.64	29/07/98	661	6867	704365
660972	6867019	9	979187	-4.51	-5.39	-5.46	-5.57	30/07/98	661	6867	704365
660972	6867019	9	979187	-4.52	-5.4	-5.47	-5.58	30/07/98	661	6867	704365
661979	6866978	9	979188	-3.8	-4.64	-4.72	-4.82	29/07/98	662	6867	704365
661979	6866978	9	979188	-3.82	-4.66	-4.74	-4.84	29/07/98	662	6867	704365
661981	6866978	9	979188	-3.82	-4.66	-4.73	-4.83	30/07/98	662	6867	310217
661981	6866978	9	979188	-3.83	-4.67	-4.74	-4.84	30/07/98	662	6867	310217
663052	6867068	9	979188	-3.85	-4.66	-4.73	-4.83	29/07/98	663	6867	704365
663976	6867002	9	979187	-4.28	-5.07	- <del>5</del> .73	-5.23	29/07/98	664	6867	704365
665046	6867037	7	979186	-5.73	-6.41	-6.47	-6.55	29/07/98	665	6867	704365
666027	6866978	9	979184	-7.06	-7.86	-7.94	-8.03	29/07/98	666	6867	704365
666934	6867005	7	979183	-8.52	-9.2	-9.26	-9.35	29/07/98	667	6867	704365
667972	6867045	7	979182	-9.66	-9.2 -10.27	-10.33	-10.4	29/07/98	668	6867	704365
668949	6867001	6	979183	-9.78	-10.33	-10.38	-10.44	29/07/98	669	6867	704365
669923	6867006	6	979183	-9.76 -9.6	-10.55	-10.30	-10.44	29/07/98			
670950	6867005	5	979182	-10.18	-10.13	-10.72	-10.27	29/07/98	670 671	6867	704365
671956	6867053	.5 .5	979182	-10.16	-10.0 <i>1</i> -11.7	-10.72	-10.76		671 673	6867	704365
								29/07/98	672	6867	704365
672968 673954	6866981	5	979181 979180	-12.12	-12.54	-12.58	-12.63	29/07/98	673	6867	704365
	6867027	4		-12.96	-13.34	-13.38	-13.42	29/07/98	674 675	6867	704365
674938	6866986	3	979179	-14.36	-14.65	-14.67	-14.71	29/07/98	675 676	6867	704365
676016	6867064	2	979178	-15.52 5.66	-15.73 -7.2	-15.75	-15.77	29/07/98 18/07/98	676	6867	704365
648995 649988	6868032 6868043	17 15	979183 979184	-5.66 4.07	-7.2 -6.34	-7.34	-7.53 6.64		649	6868	704365
	6867974		979185	-4.97 4.63		-6.47	-6.64 6.34	30/07/98	650	6868	704365
650967 650967	6867974	14	979185	-4.62	-5.95 5.00	-6.07	-6.24	17/07/98	651	6868	704365
652029	6867983	14 13	979185	-4.6 -4.21	-5.93 -5.39	-6.05	-6.22	18/07/98	651	6868	704365
						-5.5 5.40	-5.65	30/07/98	652	6868	704365
653038	6867984	13	979186	-3.83	-5.08	-5.19 5.46	-5.34 5.34	17/07/98	653	6868	704365
653947	6868054	13	979186	-3.85	-5.05	-5.16 5.40	-5.31	17/07/98	654	6868	704365
654991 655972	6867983	9	979186	-4.58 5.93	-5.42	-5.49	-5.6	28/07/98	655	6868	310217
	6868112	8	979185	-5.83 6.04	-6.58 -7.4	-6.65 7.40	-6.75 7.22	29/07/98	656	6868	310217
657022	6867950	11	979184	-6.04 6.31	-7.1 7.20	-7.19 7.45	-7.32 7.50	29/07/98	657	6868	310217
657981	6867979	11	979184	-6.31	-7.36 -7.44	-7.45 7.40	-7.58	29/07/98	658	6868	310217
659005	6867986	11	979184	-6.42	-7.41 7.04	-7.49 -7.44	-7.62 7.00	29/07/98	659	6868	310217
659994	6868070	9	979185	-6.2	-7.04	-7.11	-7.22	29/07/98	660	6868	310217
660977	6868014	10	979185	-5.47 5.05	-6.39	-6.47	-6.58	29/07/98	661	6868	310217
662003	6868038	10	979186	-5.05	-5.92	-6	-6.11	29/07/98	662	6868	310217
662984	6868029	9	979185	-5.46	-6.29	-6.37	-6.47	29/07/98	663	6868	310217
663957	6868008	9	979185	-5.72	-6.51	-6.58	-6.68	29/07/98	664	6868	310217
665009	6867981	8	979184	-6.91	-7.61	-7.67 0.77	-7.76	29/07/98	665	6868	310217
665966	6868018	7	979183	-8.02	-8.7	-8.77	-8.85	29/07/98	666	6868	310217
666999	6867982	7	979182	-9.11	-9.72	-9.78	-9.85	29/07/98	667	6868	310217
667974	6868016	7	979182	-9.89	-10.49	-10.55	-10.63	29/07/98	668	6868	310217
668951	6867987	7	979181	-10.16	-10.78	-10.83	-10.91	29/07/98	669	6868	310217
670000	6868038	6	979181	-10.41	-10.98	-11.03	-11.1	29/07/98	670	6868	310217
670973	6867958	6	979181	-10.69	-11.25	-11.31	-11.37	29/07/98	671	6868	310217
672005	6867966	5	979180	-11.88	-12.31	-12.35	-12.4	29/07/98	672	6868	310217

East	North	Elev	Observ g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
672970	6868031	4	979179	-12.96	-13.29	-13.32	-13.36	29/07/98	673	6868	310217
673958	6868003	4	979179	-13.56	-13.9	-13.93	-13.97	29/07/98	674	6868	310217
674976	6867999	.3	979177	-14.94	-15.25	-15.27	-15.31	29/07/98	675	6868	310217
649121	6868863	14	979182	-6.42	-7.67	-7. <b>7</b> 9	-7.94	30/07/98	649	6869	704365
649980	6868960	13	979183	-6.12	-7.34	-7.45	-7.6	30/07/98	650	6869	704365
650963	6868992	13	979183	-6.36	-7.55	-7.66	-7.8	30/07/98	651	6869	704365
651989	6868962	12	979183	-5.89	-6.97	-7.07	-7.2	30/07/98	652	6869	704365
653070	6868967	10	979184	-5.7	-6.58	-6.66	-6.77	17/07/98	653	6869	704365
654042	6869048	9	979184	-6.14	-0.56 -7	-7.08	-7.19	30/07/98	654	6869	704365
655030	6869039	10	979184	-6.15	-7.09	-7.18	-7.13 -7.3	30/07/98	655	6869	704365
655990	6868957	14	979182	-6.51	-7.8 -7.8	-7.10 -7.91	-8.07	30/07/98	656	6869	704365 704365
656989	6869001	22	979180	-5.88	-7.93	-8.12	-8.37	30/07/98	657	6869	704365
658044	6869049	20	979181	-5.61	-7.49	-7.66	-0.37 -7.89	30/07/98	658	6869	704365 704365
658986	6869035	16	979182	-5.87	-7.37	-7.50 -7.5	-7.69	30/07/98	659	6869	
660019	6869022	11	979183	-6.36	-7.33	-7.42	-7.54	30/07/98	660	6869	704365 704365
660997	6869041	10	979183	-6.72	-7.62	-7. <del>4</del> 2 -7.7	-7.3 <del>4</del> -7.82	30/07/98	661		704365 704365
661977	6868949	10	979183	-6.86	-7.75	-7.7 -7.83	-7.02 -7.94	30/07/98	662	6869 6869	704365 704365
662987	6868992	7	979183	-7.4	-8.09	-7.03 -8.15	-7.9 <del>4</del> -8.23	30/07/98	663		
663998	6869091	8	979183	-7. <del>4</del> -7.35	-8.08					6869	704365
664984	6868990	8	979183	-7.33 -7.68	-8.42	-8.14 -8.48	-8.23 -8.57	30/07/98 30/07/98	664	6869	704365
665996	6869033	7	979182	-7.08 -8.49	-0.42 -9.16	-9.22	-0.57 -9.31		665	6869	704365
	6868961	7	979182					30/07/98	666	6869	704365
667005	6868992	7	979182	-8.99 -9.76	-9.63	-9.69	-9.76	30/07/98	667	6869	704365
667965		6			-10.42	-10.48	-10.57	30/07/98	668	6869	704365
669019 670000	6869042 6869028		979181 979180	-10.28	-10.81	-10.86	-10.93	30/07/98	669	6869	704365
		5		-10.92	-11.38	-11.42	-11.48	30/07/98	670	6869	704365
670999	6868965	4	979180	-11.63	-12.02	-12.06	-12.11	30/07/98	671	6869	704365
671969	6869059	3 4	979179	-12.66	-12.94	-12.96	-13 42.05	30/07/98	672	6869	704365
672994	6868985		979178	-13.36	-13.77	-13.8	-13.85	30/07/98	673	6869	704365
673959	6869048	4	979178	-13.81	-14.2	-14.23	-14.28	30/07/98	674	6869	704365
649031	6870023	15	979179	-8.52 7.00	-9.9	-10.03	-10.2	30/07/98	649	6870	310217
649960	6869987	13	979180	-7.99 9.47	-9.23	-9.34	-9.5	30/07/98	650	6870	310217
650956	6870023	11	979180	-8.47	-9.47	-9.56	-9.69	30/07/98	651	6870	310217
651997	6869977	10	979181	-7.83	-8.79	-8.88	-8.99	30/07/98	652	6870	310217
653010	6869974	10	979181	-7.66 7.54	-8.6	-8.68	-8.8	30/07/98	653	6870	310217
654016	6869981	11	979181	-7.54	-8.59	-8.69	-8.82	30/07/98	654	6870	310217
655014	6869977	27	979177	-6.76	-9.27	-9.49	-9.8	30/07/98	655	6870	310217
656015	6870027	24	979178	-6.76	-8.95	-9.15	-9.41	30/07/98	656	6870	310217
657009	6870019	16	979180	-7.02	-8.52	-8.66	-8.84	30/07/98	657	6870	310217
658009	6869984	14	979182	-6.38	-7.68	-7.8	-7.96	30/07/98	658	6870	310217
658983	6870004	16	979181	-6.5 7.45	-8.01	-8.15	-8.34	30/07/98	659	6870	310217
659959	6870003	14	979181	-7.15 7.50	-8.4	-8.51	-8.67	30/07/98	660	6870	310217
660964	6869975	11	979181	-7.58	-8.6	-8.69	-8.82	30/07/98	661	6870	310217
662024	6869964	8	979182	-7.96	-8.74	-8.81	-8.9	30/07/98	662	6870	310217
662999	6870030	8	979181	-8.18	-8.92	-8.99	-9.08	30/07/98	663	6870	310217
663996	6870052	9	979181	-8.16	-8.96	-9.04	-9.14	30/07/98	664	6870	310217
664966	6870018	7	979182	-8.37	-9	-9.05	-9.13	30/07/98	665	6870	310217
666021	6869946	7	979181	-9.16	-9.78	-9.84	-9.92	30/07/98	666	6870	310217
666967	6869973	6	979180	-9.76	-10.36	-10.41	-10.49	30/07/98	667	6870	310217
667946	6869965	8	979179	-10.38	-11.09	-11.15	-11.24	30/07/98	668	6870	310217
668975	6870006	5	979179	-10.97	-11.47	-11.51	-11.57	30/07/98	669	6870	310217
669983	6870058	7	979179	-11.17	-11.77	-11.83	-11.9	30/07/98	670	6870	310217
670941	6869986	6	979179	-11.73	-12.26	-12.3	-12.37	30/07/98	671	6870	310217
671984	6870003	5	979178	-12.66	-13.08	-13.12	-13.17	30/07/98	672	6870	310217
672948	6869993	4	979177	-13.4	-13.8	-13.84	-13.89	30/07/98	673	6870	310217
648953	6870954	13	979177	-10.33	-11.56	-11.67	-11.82	30/07/98	649	6871	704365
648953	6870954	13	979177	-10.33	-11.56	-11.67	-11.82	30/07/98	649	6871	704365

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter no
648953	6870954	13	979177	-10.28	-11.51	-11.62	-11.77	31/07/98	649	6871	704365
648953	6870954	13	979177	-10.28	-11.51	-11.63	-11.78	31/07/98	649	6871	704365
649996	6871016	12	979178	-10.22	-11.33	-11.44	-11.57	30/07/98	650	6871	704365
649996	6871016	12	979178	-10.23	-11.34	-11.44	-11.58	30/07/98	650	6871	704365
649996	6871016	12	979178	-10.17	-11.29	-11.39	-11.53	31/07/98	650	6871	704365
649996	6871016	12	979178	-10.19	-11.31	-11.41	-11.55	31/07/98	650	6871	704365
651011	6871014	12	979178	-9.84	-10.92	-11.02	-11.15	30/07/98	651	6871	704365
651973	6871039	11	979178	-9.71	-10.75	-10.85	-10.97	30/07/98	652	6871	704365
652972	6871018	11	979178	-9.62	-10.67	-10.77	-10.9	31/07/98	653	6871	704365
654054	6871071	22	979176	-8.74	-10.74	-10.92	-11.17	31/07/98	654	6871	704365
655036	6871021	20	979176	-8.82	-10.71	-10.88	-11.11	31/07/98	655	6871	704365
656013	6870955	22	979176	-8.24	-10.29	-10.48	-10.73	31/07/98	656	6871	704365
656938	6870977	17	979178	-8.35	-9.94	-10.09	-10.28	31/07/98	657	6871	704365
657969	6871011	16	979179	-7.85	-9.3	-9.43	-9.61	31/07/98	658	6871	704365
658990	6870965	16	979179	-7.31	-8.78	-8.92	-9.1	31/07/98	659	6871	704365
659998	6871021	16	979179	-7.33	-8.84	-8.98	-9.17	31/07/98	660	6871	704365
661038	6870982	13	979180	-7.68	-8.84	-8.94	-9.09	31/07/98	661	6871	704365
662020	6870990	11	979180	-7.79	-8.81	-8.9	-9.03	31/07/98	662	6871	704365
662927	6870976	9	979181	-7.7 <del>9</del>	-8.71	-8.79	-8.88	31/07/98	663		704365
664008	6871058	11	979180	-7.32 -8.13	-9.15	-0.7 <i>9</i> -9.24	-9.36	31/07/98		6871	
664986	6871010	11	979180	-8.52	-9.5	-9.59	-9.71	31/07/98	664	6871	704365
665947	6871029	10	979179	-9.39	-10.34		-9.71 -10.55	31/07/98	665	6871	704365
666947	6870980		979179	-9.39 -10.13	-10.34	-10.43			666	6871	704365
		9				-11.02	-11.12	31/07/98	667	6871	704365
667989	6871025	8	979178	-10.64	-11.34	-11.4	-11.49	31/07/98	668	6871	704365
669004	6871021	5	979178	-11.34	-11.84	-11.88	-11.94	31/07/98	669	6871	704365
669987	6871034	6	979178	-11.56	-12.08	-12.13	-12.2	31/07/98	670	6871	704365
671023	6871024	7	979177	-11.9	-12.55	-12.61	-12.69	31/07/98	671	6871	704365
672068	6870975	5	979177	-12.65	-13.11	-13.15	-13.21	31/07/98	672	6871	704365
648983	6872052	12	979174	-12.76	-13.89	-13.99	-14.13	30/07/98	649	6872	310217
649965	6871996	15	979175	-11.64	-13.03	-13.16	-13.33	30/07/98	650	6872	310217
650957	6871972	11	979176	-11.42	-12.47	-12.57	-12.7	30/07/98	651	6872	310217
651942	6871962	14	979175	-11.2	-12.49	-12.61	-12.77	30/07/98	652	6872	310217
652930	6871987	18	979174	-10.83	-12.54	-12.69	-12.9	30/07/98	653	6872	310217
653978	6871993	30	979172	-9.96	-12.71	-12.96	-13.29	30/07/98	654	6872	310217
654976	6872001	29	979172	-9.69	-12.34	-12.59	-12.91	30/07/98	655	6872	310217
655993	6871948	29	979173	-9.12	-11.82	-12.07	-12.4	30/07/98	656	6872	310217
656990	6872016	22	979175	-9.41	-11.43	-11.61	-11.86	30/07/98	657	6872	310217
658003	6871957	21	979176	-8.71	-10.61	-10.78	-11.02	30/07/98	658	6872	310217
658960	6872015	23	979176	-7.66	-9.82	-10.02	-10.28	30/07/98	659	6872	310217
659991	6872079	22	979176	-7.64	-9.67	-9.86	-10.11	30/07/98	660	6872	310217
660974	6872011	17	979177	-8.24	-9.77	-9.9	-10.09	30/07/98	661	6872	310217
661934	6871936	12	979179	-8.69	-9.76	-9.86	-9.99	30/07/98	662	6872	310217
662945	6872011	11	979179	-8.67	-9.67	-9.77	-9.89	31/07/98	663	6872	310217
663940	6871961	12	979178	-8.72	-9.86	-9.97	-10.11	31/07/98	664	6872	310217
664978	6871986	14	979177	-9.19	-10.47	-10.59	-10.75	31/07/98	665	6872	310217
665965	6872013	12	979177	-10.01	-11.09	-11.18	-11.32	31/07/98	666	6872	310217
666977	6871984	11	979177	-10.69	-11.68	-11.77	-11.89	31/07/98	667	6872	310217
667999	6871947	10	979177	-11.12	-12.01	-12.09	-12.2	31/07/98	668	6872	310217
668954	6871980	7	979177	-11.72	-12.4	-12.46	-12.55	31/07/98	669	6872	310217
669978	6872015	6	979177	-12.08	-12.66	-12.71	-12.78	31/07/98	670	6872	310217
670982	6872005	7	979176	-12.42	-13.04	-13.1	-13.18	31/07/98	671	6872	310217
671968	6872018	5	979176	-12.74	-13.2	-13.25	-13.3	31/07/98	672	6872	310217
649229	6872963	11	979173	-14.23	-15.23	-15.32	-15.44	2/08/98	649	6873	704365
649986	6872966	13	979173	-13.25	-14.45	-14.56	-14.71	1/08/98	650	6873	310217
651018	6873049	18	979172	-12.41	-14.06	-14.21	-14.41	1/08/98	651	6873	704365
651018	6873049	18	979172	-12.43	-14.08	-14.23	-14.43	1/08/98	651	6873	704365

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
651018	6873049	18	979172	-12.42	-14.05	-14.2	-14.4	2/08/98	651	6873	704365
651018	6873049	18	979172	-12.42	-14.06	-14.21	-14.41	2/08/98	651	6873	704365
652019	6872987	17	979172	-12.53	-14.11	-14.25	-14.45	1/08/98	652	6873	310217
653005	6872985	21	979171	-12.42	-14.32	-14.49	-14.72	1/08/98	653	6873	704365
654079	6872953	30	979170	-11.24	-14	-14.25	-14.58	1/08/98	654	6873	310217
654975	6873031	44	979167	-9.65	-13.75	-14.12	-14.62	1/08/98	655	6873	704365
655998	6872999	39	979168	-9.72	-13.34	-13.67	-14.11	1/08/98	656	6873	310217
656975	6872990	29	979172	-9.89	-12.53	-12.77	-13.09	1/08/98	657	6873	704365
658007	6873029	24	979173	-9.64	-11.81	-12.01	-12.28	1/08/98	658	6873	310217
658975	6873008	22	979174	-9.16	-11.2	-11.38	-11.63	1/08/98	659	6873	704365
660011	6872988	19	979175	-8.82	-10.61	-10.77	-10.99	1/08/98	660	6873	310217
661019	6872985	15	979176	-9.3	-10.68	-10.8	-10.97	1/08/98	661	6873	704365
661934	6872995	13	979176	-9.78	-11.01	-11.12	-11.28	31/07/98	662	6873	310217
662981	6872958	12	979177	-9.51	-10.64	-10.74	-10.88	1/08/98	663	6873	704365
664054	6872918	12	979177	-9.71	-10.83	-10.74	-11.08	31/07/98	664	6873	310217
665019	6872998	12	979176	-10.31	-11.46	-10.54	-11.7	31/07/98	665	6873	704365
665979	6873003	12	979176	-10.82	-11.94	-12.04	-11.7 -12.18	31/07/98	666	6873	310217
666987	6873008	13	979175	-10.02	-12.18	-12.29	-12.13	31/07/98	667	6873	704365
668029	6872995	11	979175	-11.35	-12.16	-12.43	-12.43	31/07/98	668	6873	704365 704365
669067	6872929	9	979176	-11.74	-12.54	-12.43	-12.55	31/07/98	669		
670016	6873047	8	979176	-11.74	-12.61	-12.68	-12.76 -12.77	31/07/98		6873	704365
671005	6873026	7	979176	-11.07	-12.8	-12.86	-12.7 <i>1</i> -12.94	31/07/98	670	6873	704365
671003	6873019	7	979176	-12.12 -12.27	-12.89	-12.00 -12.95	-12.94		671	6873	310217
		5	979176	-12.2 <i>1</i> -12.81	-12.09			31/07/98	672	6873	310217
673001 673971	6872954 6872994		979175	-12.01		-13.35	-13.41	31/07/98	673	6873	310217
		4			-14.09	-14.13	-14.18	31/07/98	674	6873	310217
674968	6873059	5	979174	-14.07	-14.55	-14.59	-14.65	31/07/98	675	6873	310217
675944	6873009	3 2	979174	-14.5	-14.81	-14.84	-14.87	31/07/98	676	6873	310217
676965	6873014		979174	-14.82	-15.04	-15.06	-15.09	31/07/98	677	6873	310217
678054	6873024	1	979175	-14.84	-14.91	-14.91	-14.92	31/07/98	678	6873	310217
648993	6873981	16	979170	-14.92	-16.37	-16.5	-16.68	2/08/98	649	6874	704365
649973	6873953	13	979171	-14.55	-15.76	-15.87	-16.02	1/08/98	650	6874	310217
651017	6873965	17	979170	-13.92	-15.52	-15.67	-15.87	1/08/98	651	6874	704365
652027	6874015	15	979170	-14.68	-16.1	-16.23	-16.41	1/08/98	652	6874	310217
653039	6873989	16	979170	-14.63	-16.14	-16.27	-16.46	1/08/98	653	6874	704365
653929	6874016	21	979169	-13.89	-15.83	-16.01	-16.25	1/08/98	654	6874	310217
655023	6873955	25	979169	-12.55	-14.83	-15.03	-15.31	1/08/98	655	6874	704365
655987	6874015	28	979169	-11.89	-14.46	-14.69	-15.01	1/08/98	656	6874	310217
656996	6874021	26	979170	-11.47	-13.88	-14.1	-14.39	1/08/98	657	6874	704365
657967	6873968	23	979171	-11.08	-13.22	-13.42	-13.68	1/08/98	658	6874	310217
659011	6873993	25	979172	-9.95	-12.22	-12.43	-12.71	1/08/98	659	6874	704365
660034	6874030	18	979173	-10.36	-12.04	-12.19	-12.4	1/08/98	660	6874	310217
661026	6874011	16	979174	-10.45	-11.92	-12.05	-12.23	1/08/98	661	6874	704365
662067	6873981	14	979174	-10.73	-12.06	-12.18	-12.35	31/07/98	662	6874	310217
662067	6873981	14	979174	-10.68	-12.01	-12.13	-12.29	1/08/98	662	6874	310217
662067	6873981	14	979174	-10.68	-12.01	-12.13	-12.29	1/08/98	662	6874	310217
663020	6874011	14	979175	-10.46	-11.73	-11.84	-12	31/07/98	663	6874	704365
663020	6874011	14	979175	-10.47	-11.73	-11.85	-12	31/07/98	663	6874	704365
663020	6874011	14	979175	-10.4	-11.66	-11.78	-11.93	1/08/98	663	6874	704365
663020	6874011	14	979175	-10.4	-11.66	-11.78	-11.93	1/08/98	663	6874	704365
664013	6874048	13	979175	-10.44	-11.64	-11.75	-11.9	31/07/98	664	6874	310217
665003	6874007	14	979175	-10.6	-11.85	-11.97	-12.12	31/07/98	665	6874	704365
666039	6873945	13	979174	-11.02	-12.22	-12.33	-12.48	31/07/98	666	6874	310217
667003	6873992	13	979174	-11.16	-12.35	-12.46	-12.61	31/07/98	667	6874	704365
668014	6873998	11	979175	-11.38	-12.43	-12.53	-12.65	31/07/98	668	6874	704365
668969	6874048	9	979175	-11.52	-12.38	-12.46	-12.57	31/07/98	669	6874	704365
670030	6873987	8	979176	-11.3	-12.06	-12.13	-12.22	31/07/98	670	6874	704365

677046 6874025 8 979176 -11.35 -12.05 -12.11 -12.19 31.0708 671 6874 310217 673034 6874001 7 979175 -11.24 12.28 -12.93 12.58 31.0718 672 6874 310217 673034 6874024 5 979175 -12.76 -12.32 -13.28 -13.22 31.0718 674 6874 310217 675033 6874024 5 979175 -12.76 -12.78 -13.22 -13.28 -13.32 31.0718 674 6874 310217 675084 6874008 2 979175 -13.73 -13.95 -13.97 -14 31.07198 676 6874 310217 675080 6873080 1 979175 -13.73 -13.95 -13.97 -14 31.07198 676 6874 310217 675080 6873080 1 979175 -13.89 -14.02 -14.03 -14.04 31.0718 676 6874 310217 675093 6874002 4 979174 -13.59 -14.0 -14.03 -14.04 31.0718 676 6874 310217 675094 6875002 1 7 979165 -18.54 -20.13 -20.27 -20.47 20.899 640 6875 310217 641002 6875002 1 7 979165 -18.64 -20.13 -20.55 -20.71 20.99 20.899 641 6875 310217 642007 6875086 1 7 979165 -18.64 -20.13 -20.56 -20.75 20.899 644 6875 310217 642007 6875086 1 7 979165 -18.64 -20.13 -20.56 -20.75 20.899 644 6875 310217 642004 6875086 1 8 979165 -18.91 -20.45 20.56 -20.75 20.899 644 6875 70.4365 645018 6875017 15 979166 -17.99 -19.37 -19.5 -18.67 20.899 646 6875 70.4365 646002 6874916 1 4 979167 -15.59 -19.37 -19.5 -18.67 20.899 646 6875 70.4365 646002 687496 1 9 979168 -15.64 -17.75 -17.78 -19.0 10.899 646 6875 70.4365 646002 6874980 1 9 979168 -15.64 -17.75 -17.78 -19.0 10.899 646 6875 70.4365 646003 687500 1 4 979168 -15.64 -17.72 -17.89 -18.06 20.899 646 6875 70.4365 650011 687500 1 6 979168 -15.64 -17.72 -17.89 -18.06 20.899 646 6875 70.4365 650010 687500 1 4 979169 -15.63 -17.74 -17.62 20.899 640 6875 70.4365 650010 687500 1 4 979169 -15.63 -17.04 -17.02 20.899 640 6875 70.4365 650010 687500 1 4 979169 -15.63 -17.04 -17.02 20.899 640 6875 70.4365 650010 687500 1 4 979169 -15.63 -17.04 -17.02 20.899 640 6875 70.4365 650010 687500 1 4 979169 -15.63 -17.24 -17.25 10.899 650 6875 70.4365 650010 687500 1 4 979169 -15.63 -17.24 -17.25 10.899 660 6875 70.4365 650010 6874890 1 9 979170 -15.23 -13.64 -17.23 -17.44 -17.62 20.899 640 6875 70.4365 650010 6874890 1 9 979170 -15.23 -13.64 -17.23 -17.24 -17.69 660 6875 70.4365 6500	East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
672004         6874002         7         979175         -11.81         -12.43         -12.89         -12.96         -13.52         3107798         672         6874         310217           674010         6874024         5         979175         -12.76         -13.22         -13.23         3107798         674         6874         310217           675033         6874008         2         979175         -13.32         -13.68         -13.71         -13.05         3107798         675         6874         310217           676963         6874080         1         979175         -13.89         -14.02         -14.03         -14.04         3107798         676         6874         310217           639904         6875032         17         979165         -18.91         -20.58         -20.71         -20.92         20.0898         640         6875         310217           642007         6874966         16         979165         -18.91         -20.43         -20.55         -20.75         20.0898         642         6875         704365           644004         6875496         16         979165         -18.96         -19.91         -19.92         -20.75         20.0898         643		6874025										
674004         6874024         5         979175         -12.4         -12.88         -12.98         -12.09         817098         673         6874         10217           675033         6874041         4         979175         -13.32         -13.88         -13.77         -13.70         5107/98         675         6874         310217           675984         6874008         2         979175         -13.32         -13.95         -14.03         -14.04         3107/98         676         6874         310217           677997         6874002         4         979174         -13.59         -14         -14.03         -14.04         3107/98         676         6874         310217           641002         6875003         17         979165         -18.54         20.13         -20.07         20.07         20.07         60.04         60.08         60.00         61.00         60	672014	6874001										
674010         6874024         5         979175         -12,76         -13,28         -13,32         -13,32         13,079         674         874         310217           675934         6874008         2         979175         -13,373         -13,595         -13,07         -14,03         31,07798         675         6874         310217           676936         6873088         1         979175         -13,89         -14,02         -14,03         -14,00         31,07798         675         6874         310217           639904         6875002         1         979165         -19,01         -20,56         20,71         -20,08798         640         6875         310217           642007         6876032         16         979165         -18,66         -20,14         -20,27         -20,45         20,0898         640         6875         310217           642090         6875037         15         979165         -18,66         -20,14         -20,27         -20,45         20,0898         642         6875         704365           645018         6875031         1         979165         -18,26         -19,73         -18,56         -20,71         -20,898         645         6875	673034											
675033         6874041         4         979175         -13.32         -13.89         -13.77         -14.03         3107798         675         6874         310217           675984         6873086         1         979175         -13.89         -14.02         -14.03         310779         677         6874         310217           677997         6874002         4         979174         -13.59         -14         -14.03         -14.04         3107796         676         6874         310217           641002         6875002         17         979165         -18.64         -20.13         20.27         20.47         20.98         640         6875         310217           642007         6874966         16         979165         -18.66         -20.14         -20.27         20.95         64.02         644         6875         704365           645018         6875017         15         979166         -18.26         -19.73         -19.86         -20.04         200898         644         6875         704365           648090         6875017         15         979168         -15.56         -19.73         -19.86         -10.02         200898         646         6875         704365												
675984         6874008         2         979175         -13,73         -14,09         -14,00         -14,00         -11,079         677         6874         310217           677997         6874002         4         979175         -13,89         -14,02         -14,03         -14,04         31,07798         677         6874         310217           639904         6875002         17         979165         -18,54         -20,13         -20,27         -20,47         20,898         641         687         310217           642007         6874966         16         979165         -18,91         -20,65         -20,71         20,988         641         687         310217           642007         6874968         16         979166         -18,91         -20,43         -20,66         -20,75         20,898         642         6875         310217           644004         6874916         14         979168         -18,28         -19,37         -19,5         -19,67         20,898         644         6875         704365           648002         6874916         14         979168         -16,44         -17,77         -17,99         10,898         646         6875         704365												
676968         6873988         1         979175         -13,89         -14,02         -14,03         -14,08         31,07798         677         6874         31,0217           639994         6875002         17         979165         -18,54         -20,13         -20,27         -20,47         20,898         640         6875         310217           641002         6875008         17         979165         -18,54         -20,13         -20,27         -20,49         20,898         641         6875         310217           642007         6874966         16         979165         -18,68         -20,14         -20,52         20,492         642         6875         310217           642008         6875001         15         979166         -18,26         -19,37         -19,68         20,04         20,698         645         6875         704365           645018         6875017         15         979168         -17,58         -18,38         -18,98         -19,12         20,698         645         6875         704365           648024         6875000         16         979168         -15,56         -17,22         -17,46         -17,99         10,699         647         6875												
677997         6874002         4         97914         -13.59         -14         -14.03         -14.03         -10.78         678         6874         310217           639904         6875002         17         979165         -19.01         -20.56         -20.71         -20.99         20.898         641         6875         310217           642007         6874966         16         979165         -19.01         -20.56         -20.71         -20.99         20.898         641         6875         310217           642004         68756028         16         979166         -18.26         -20.41         -20.27         20.45         20.898         644         6875         704365           645018         6874916         15         979166         -18.26         -19.37         -19.56         -20.04         20.898         645         6875         704365           646002         6874916         14         979168         -15.59         -17.72         -17.99         10.898         645         6875         704365           648024         6874958         12         979168         -15.46         -17.23         -17.44         -17.62         20.898         643         6875         70												
639904         6875022         17         979165         -18.54         -20.17         -20.27         20.47         20.898         640         6875         310217           641002         6875808         17         979165         -19.01         -20.56         -20.77         -20.99         20.898         641         6875         310217           642908         6875023         16         979165         -18.66         -20.14         -20.27         -20.45         20.998         642         6875         704365           645018         6875017         15         979166         -17.98         -19.37         -19.65         -19.67         20.04         20.898         644         6875         704365           646002         6874916         14         979167         -17.55         -18.84         -18.96         -19.12         20.898         645         6875         704365           648098         6875001         16         979168         -15.69         -17.59         -17.76         -17.92         10.898         649         6875         704365           6480015         6874980         13         979168         -15.63         -17.22         -17.36         -10.898         650												
641002         6875068         17         979165         -19.01         -20.56         -20.71         -20.05         20.059         20.0598         641         6875         310217           642007         6874966         16         979165         -18.86         -20.14         -20.27         -20.45         20.0598         643         6875         704365           644004         6875017         15         979166         -18.26         -19.37         -19.86         -20.04         20.0698         644         6875         704365           648002         6875017         15         979166         -17.58         -19.37         -19.5         -19.09         646         6875         704365           648089         6875001         14         979167         -17.59         -17.59         -17.59         -17.99         -10.098         646         6875         704365           648089         6874980         19         979168         -16.56         -17.22         -17.3         -17.4         -17.55         -10.99         10.098         68         6875         310217           650971         6875002         16         979168         -16.56         -17.23         -17.4         -17.55												
642007         6874968         6         979165         -18.91         -20.43         -20.56         -20.75         20.89/98         642         6875         310217           642990         6875023         16         979165         -18.66         -20.14         -20.27         -20.45         20.98/98         643         6875         704365           645018         6875017         15         979166         -17.98         -19.57         -19.56         20.98/98         645         6875         704365           646002         6874916         14         979168         -16.44         -17.77         -17.89         -18.06         208/98         645         6875         704365           648024         6874980         21         979168         -16.44         -17.72         -17.89         -18.06         208/98         648         6875         704365           6480988         6874980         21         979168         -15.65         -17.22         -17.36         -17.24         -17.02         -17.41         -17.59         -16.09/98         649         687         704365           650910         6874982         13         979169         -16.53         -17.22         -17.44         -17.55 </td <td></td>												
642900         6875023         16         979165         -18.66         -20.14         -20.27         -20.45         20.89/8         643         6875         704365           644004         6874996         16         979166         -18.26         -19.37         -19.66         -20.04         20.89/8         64         6875         704365           646002         6874916         14         979168         -17.58         -19.37         -19.5         -19.67         20.89/8         64         6875         704365           648024         6875001         14         979168         -16.54         -17.75         -17.76         -17.99         108.98         646         6875         704365           648024         6875000         16         -15.76         -17.22         -17.4         -17.59         -10.898         649         6875         704365           650015         6875000         16         -15.71         -17.22         -17.33         -17.41         -17.55         100/98         651         6875         704365           652097         6874968         17         979169         -16.17         -17.33         -17.41         -17.53         -17.23         -17.33         -17.24												
644004         6874998         64         979166         -18.26         -19.37         -19.85         -20.08/88         644         6875         704365           645018         6875017         15         979166         -17.98         -19.57         19.67         2008/98         646         6875         704365           646902         6874916         14         979167         -17.55         -17.59         -17.69         -17.99         106.99         646         6875         704365           648024         6874980         19         979168         -15.45         -17.23         -17.4         -17.69         10.99         649.98         687         30217           680915         6874980         19         979168         -15.76         -17.22         -17.36         -17.61         17.60         16.99         6650911         6874982         13         979169         -16.13         -17.04         -17.51         -17.31         -17.03         67.04         650         6875         704365           652039         6874962         12         979169         -16.31         -16.32         -17.23         -17.33         -17.23         -17.33         -17.23         -17.33         -17.23         -17.34												
645018         6875017         15         979166         -17.98         -19.37         -19.67         2080/98         645         6875         704365           646002         6874916         14         979168         -16.94         -17.75         -17.89         -18.06         208/98         647         6875         704365           648024         6874980         21         979168         -15.45         -17.59         -17.69         -10.89         648         6875         704365           650015         6874980         19         979168         -15.43         -17.23         -17.36         -17.59         108/98         648         6875         704365           650015         6874982         13         979169         -16.15         -17.23         -17.36         -17.31         108/98         651         6875         704365           652039         6874982         12         979169         -16.1         -17.3         -17.23         -17.47         17.67         108/98         652         6875         704365           652039         6874969         12         979169         -15.61         -16.89         -16.13         -10.08         657         704365           65												
646002         6874916         14         979167         -17.55         -18.84         -18.98         -19.12         208/98         647         6875         704365           648024         6874958         21         979167         -15.69         -17.75         -17.76         -17.89         1/8.09         648         6875         704365           648024         6874988         21         979168         -15.76         -17.23         -17.46         -17.82         2/08/98         648         6875         704365           650015         6874988         13         979169         -15.83         -17.04         -17.15         -17.33         1/06/98         652         6875         704365           652039         6874982         12         979170         -16.51         -17.33         -17.41         -17.55         1/08/98         652         6875         704365           653030         6874968         12         979170         -15.71         -16.78         -16.88         -17.02         1/08/98         654         6875         704365           655977         6874969         22         979199         -13.23         -14.94         -15.1         -16.31         1/08/98         657												
6469898         68759010         14         979168         -16.44         -17.77         -17.89         -18.06         208/98         647         6875         704365           648024         6874980         21         979168         -15.45         -17.29         -17.74         -17.59         1/08/98         648         6875         704365           650015         6875000         16         979168         -15.76         -17.22         -17.30         -17.54         1/08/98         650         6875         704365           650010         6874958         13         979169         -16.15         -17.33         -17.41         -17.55         1/08/98         652         6875         704365           653010         6874954         12         979170         -15.71         -16.78         -16.88         -17.02         1/08/98         652         6875         704365           653987         6874968         17         979169         -14.43         -15.63         -16.13         -16.06         1/08/98         655         6875         704365           6559937         6874992         17         979171         -12.32         -13.85         -13.98         -14.17         1/08/98         66												
648024         6874985         21         979167         -15.69         -17.59         -17.76         -17.99         1/08/98         648         6875         704365           648968         6874980         19         979168         -15.45         -17.22         -17.36         -17.62         1/08/98         649         6875         704365           650015         6875600         16         979168         -15.64         -17.22         -17.36         -17.62         1/08/98         650         6875         704365           652039         6874982         13         979169         -16.15         -17.3         -17.41         -17.55         1/08/98         652         6875         310217           653010         6874968         17         979169         -16.17.13         -17.42         -17.53         1/04/98         653         6875         047365           653997         6874968         17         979169         -13.61         -15.63         -16.33         -16.32         1/08/98         656         6875         704365           655997         6874960         12         979169         -13.61         -15.63         -16.13         -16.32         1/08/98         657         6875												
648968         6874980         19         979168         -15.45         -17.23         -17.46         -17.62         20/89/8         649         687         704365           650015         68750971         6874988         13         979169         -15.83         -17.04         -17.15         -17.33         17.04         -17.55         1/08/98         651         6875         310217           652039         6874982         13         979169         -16         -17.33         -17.41         -17.55         1/08/98         632         6875         704365           653987         6874968         17         979169         -16.17         -16.78         -16.38         -17.02         1/08/98         652         6875         704365           655987         6874968         17         979169         -14.43         -15.63         -15.81         -16.08         1/02.02         1/08/98         656         6875         704365           655987         6874969         22         979173         -11.57         -12.9         -13.02         -13.02         -13.02         -13.02         -13.02         -13.02         -13.02         -13.02         -13.02         -13.02         -13.02         -13.02         -												
650015         6875000         16         979168         -15.76         -17.22         -17.36         -17.54         17.08/98         650         6875         310217           650971         6874982         13         979169         -15.18         -17.04         -17.15         -17.3         17.08/98         651         6875         704365           652039         6874982         12         979169         -16.16         -17.3         -17.21         -17.37         17.08/98         652         6875         704365           653987         6875029         12         979170         -15.71         -16.78         -16.88         -17.02         17.08/98         652         6875         704365           6550972         6874968         22         979169         -13.61         -15.63         -15.81         -16.06         108/98         656         6875         704365           655997         6874969         22         979169         -13.61         -15.63         -15.11         106.09         657         6875         704365           657997         6874960         14         979173         -11.57         -12.9         -13.02         -13.18         108.99         657         6875												
650971         6874958         13         979169         -15.83         -17.04         -17.15         -17.31         1/08/98         652         6875         704365           6523010         6874954         12         979169         -16.15         -17.33         -17.41         -17.37         1/08/98         653         6875         704365           653987         6875029         12         979170         -15.71         -16.78         -16.88         -17.02         1/08/98         654         6875         704365           6559977         6874969         12         979170         -13.23         -14.94         -15.11         -16.31         1/08/98         656         6875         704365           659977         6874992         17         979170         -13.23         -14.94         -15.1         -16.31         1/08/98         657         6875         704365           659001         6874992         17         799173         -11.57         -12.92         -12.65         -12.82         1/08/98         668         6875         704365           660024         6874910         14         979173         -11.57         -12.93         -12.26         1/08/98         661         6875												
652039         6874982         13         979169         -16.15         -17.3         -17.23         -17.55         108/98         652         6875         310217           653087         6874964         12         979169         -16         -17.13         -17.23         -17.37         1108/98         653         6875         704365           653987         6874968         17         979169         -14.43         -15.99         -16.32         108/98         655         6875         704365           655997         6874969         22         979170         -13.23         -14.94         -15.1         -16.06         108/98         656         6875         704365           657997         6874992         17         979171         -12.32         -13.85         -13.98         -14.17         108/98         656         6875         704365           657997         6874992         17         979173         -11.57         -12.9         -13.02         -13.18         108/98         656         6875         310217           650001         6874950         13         979174         -10.75         -12.09         -12.21         -12.01         108/98         662         6875         31												
653010         6874954         12         979169         -16         -17.13         -17.23         -17.37         1/08/98         653         6875         704365           653987         6875029         12         979170         -15.71         -16.78         -16.88         -13.21         1/08/98         655         6875         704365           655977         6874968         22         979169         -13.61         -15.63         -16.13         -16.06         1/08/98         656         6875         704365           657997         6874962         12         979170         -13.23         -14.49         -15.11         10/08/98         657         6875         704365           657997         6874992         17         979173         -11.57         -12.9         -13.02         -13.18         1/08/98         659         6875         704365           660004         6874910         14         979173         -11.15         -12.29         -12.21         -12.82         10/08/98         660         6875         704365           661098         6875019         13         979174         -10.75         -11.98         -12.09         -12.24         11/08/98         661         6875												
653987         6875029         12         979170         -15.71         -16.78         -16.88         -17.02         1/08/98         654         6875         704365           655977         6874968         17         979169         -14.43         -15.99         -16.13         -16.06         1/08/98         655         6875         704365           655987         6874969         19         979170         -13.23         -14.94         -15.1         -15.01         1/08/98         657         6875         704365           657997         6874992         17         979171         -12.32         -13.85         -13.98         -14.17         1/08/98         669         6875         704365           660024         6874924         15         979173         -11.57         -12.99         -12.12         -12.82         1/08/98         669         6875         310217           661012         6874910         14         979174         -10.75         -12.09         -12.12         -12.83         1/08/98         661         6875         310217           663065         6874950         13         979174         -10.76         -11.98         -12.20         -12.24         1/08/98         663												
655052         6874968         17         979169         -14.43         -15.99         -16.13         -16.22         1/08/98         655         6875         704365           655977         6874969         22         979169         -13.61         -15.63         -15.81         -16.06         1/08/98         657         6875         704365           657997         6874992         17         979170         -13.23         -14.94         -15.11         1/08/98         658         6875         704365           659001         6875005         14         979173         -11.57         -12.9         -13.02         -13.18         1/08/98         669         6875         704365           660024         6874910         14         979174         -10.75         -12.09         -12.21         -12.37         1/08/98         662         6875         704365           661998         6875019         13         979174         -10.75         -11.98         -12.09         -12.24         1/08/98         662         6875         704365           663065         6874950         13         979174         -10.76         -11.92         -12.05         -12.24         1/07/98         663         6875												
655977         6874969         22         979169         -13.61         -15.63         -15.81         -16.06         1/08/98         656         6875         704365           656993         6875049         19         979170         -13.23         -14.94         -15.1         -15.31         1/08/98         657         6875         704365           659901         6875005         14         979173         -11.57         -12.9         -13.02         -13.18         1/08/98         659         6875         704365           660024         6874910         14         979173         -11.15         -12.52         -12.65         -12.22         1/08/98         660         6875         704365           661098         6875019         13         979174         -10.75         -11.98         -12.09         -12.24         1/08/98         661         6875         704365           663065         6874950         13         979174         -10.75         -11.99         -12.14         -12.25         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.76         -11.99         -12.1         -12.25         31/07/98         663												
656983         6875049         19         979170         -13.23         -14.94         -15.1         -15.31         1/08/98         657         6875         704365           6579977         6874992         17         979171         -12.32         -13.88         -14.17         1/08/98         658         6875         310217           659001         6875005         14         979173         -11.57         -12.99         -13.02         -13.18         1/08/98         660         6875         704365           660024         6874910         14         979174         -10.75         -12.09         -12.21         -12.37         1/08/98         661         6875         704365           661012         6874950         13         979174         -10.75         -12.09         -12.24         1/08/98         661         6875         704365           663065         6874950         13         979174         -10.76         -11.99         -12.1         12.224         3107/98         663         6875         704365           663065         6874950         13         979174         -10.7         -11.92         -12.03         -12.18         1/08/98         663         6875         704365												
657997         6874992         17         979171         -12.32         -13.85         -13.98         -14.17         1/08/98         658         6875         704365           659001         6875005         14         979173         -11.57         -12.9         -13.02         -13.18         1/08/98         659         6875         704365           660024         6874924         15         979173         -11.15         -12.52         -12.63         1/08/98         660         6875         310217           661012         6874910         14         979174         -10.75         -12.09         -12.24         1/08/98         662         6875         310217           663065         6874950         13         979174         -10.75         -11.98         -12.09         -12.24         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.76         -11.99         -12.11         -12.25         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.76         -11.93         -12.04         -12.19         1/08/98         663         6875         704365												
659001         6875005         14         979173         -11.57         -12.9         -13.02         -13.18         1/08/98         659         6875         704365           660024         6874924         15         979173         -11.15         -12.52         -12.65         -12.82         1/08/98         660         6875         310217           661098         6875019         13         979174         -10.75         -12.09         -12.24         -12.67         1/08/98         662         6875         704365           663065         6874950         13         979174         -10.76         -11.99         -12.21         -12.25         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.7         -11.92         -12.03         -12.18         1/08/98         663         6875         704365           663065         6874950         13         979174         -10.7         -11.92         -12.03         1/08/98         663         6875         704365           663065         6874950         13         979174         -10.67         -11.85         -11.96         -12.11         31/07/98         664         6875												
660024         6874924         15         979173         -11.15         -12.52         -12.65         -12.21         -12.37         1/08/98         660         6875         310217           661012         6874910         14         979174         -10.75         -12.09         -12.21         -12.37         1/08/98         661         6875         704365           661998         6875019         13         979174         -10.75         -11.98         -12.09         -12.24         1/08/98         662         6875         310217           663065         6874950         13         979174         -10.76         -11.99         -12.11         -12.25         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.71         -11.92         -12.03         -12.18         1/08/98         663         6875         704365           663065         6874950         13         979174         -10.71         -11.83         -12.04         -12.19         1/08/98         663         6875         704365           664017         6874950         13         979174         -10.69         -11.82         -11.96         -12.13         31/07/98<												
661012         6874910         14         979174         -10.75         -12.09         -12.21         -12.37         1/08/98         661         6875         704365           661998         6875019         13         979174         -11.11         -12.34         -12.65         -12.6         1/08/98         662         6875         310217           663065         6874950         13         979174         -10.76         -11.99         -12.10         -12.25         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.7         -11.92         -12.03         -12.18         1/08/98         663         6875         704365           663065         6874950         13         979174         -10.71         -11.93         -12.04         -12.19         1/08/98         663         6875         704365           664017         6874958         13         979174         -10.69         -11.85         -11.90         -12.11         31/07/98         664         6875         310217           664996         6875019         12         979175         -10.72         -11.88         -11.99         -12.13         31/07/98         665												
661998         6875019         13         979174         -11.11         -12.34         -12.45         -12.6         1/08/98         662         6875         310217           663065         6874950         13         979174         -10.75         -11.98         -12.09         -12.24         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.7         -11.99         -12.10         -12.25         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.71         -11.93         -12.04         -12.19         1/08/98         663         6875         704365           663065         6874950         13         979174         -10.67         -11.85         -11.96         -12.11         31/07/98         664         6875         704365           664017         6874981         12         979174         -10.69         -11.82         -11.92         -12.06         31/07/98         665         6875         704365           665993         6874963         11         979175         -10.72         -11.88         -11.99         -12.13         31/07/98         666 <td></td>												
663065         6874950         13         979174         -10.75         -11.98         -12.09         -12.24         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.76         -11.99         -12.1         -12.25         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.71         -11.92         -12.03         -12.18         1/08/98         663         6875         704365           664017         6874950         13         979174         -10.67         -11.85         -11.96         -12.11         31/07/98         663         6875         704365           664017         6874950         12         979174         -10.67         -11.82         -11.96         -12.11         31/07/98         663         6875         704365           664906         6875019         12         979174         -10.72         -11.88         -11.99         -12.13         31/07/98         665         6875         704365           665993         6874960         11         979175         -10.73         -11.54         -11.61         -11.74         31/07/98         667<												
663065         6874950         13         979174         -10.76         -11.99         -12.1         -12.25         31/07/98         663         6875         704365           663065         6874950         13         979174         -10.7         -11.92         -12.03         -12.18         1/08/98         663         6875         704365           663065         6874950         13         979174         -10.67         -11.85         -11.96         -12.11         31/07/98         663         6875         704365           664017         6874958         13         979174         -10.67         -11.85         -11.96         -12.11         31/07/98         664         6875         310217           664996         6875019         12         979174         -10.69         -11.82         -11.99         -12.13         31/07/98         665         6875         704365           665993         6874953         13         979175         -10.73         -11.74         -11.83         -11.95         31/07/98         666         6875         704365           668028         6874994         9         979175         -10.75         -11.54         -11.61         -11.71         31/07/98         669 <td></td>												
663065         6874950         13         979174         -10.7         -11.92         -12.03         -12.18         1/08/98         663         6875         704365           663065         6874950         13         979174         -10.71         -11.93         -12.04         -12.19         1/08/98         663         6875         704365           664017         6874958         13         979174         -10.67         -11.85         -11.96         -12.11         31/07/98         664         6875         310217           664996         6875019         12         979174         -10.69         -11.82         -11.99         -12.13         31/07/98         665         6875         704365           665993         6874953         13         979175         -10.73         -11.74         -11.83         -11.95         31/07/98         666         6875         704365           687038         6874994         9         979175         -10.73         -11.54         -11.63         -11.74         31/07/98         666         6875         704365           668028         6874981         9         979175         -10.74         -11.54         -11.64         -11.71         31/07/98         670 <td></td>												
663065         6874950         13         979174         -10.71         -11.93         -12.04         -12.19         1/08/98         663         6875         704365           664017         6874958         13         979174         -10.67         -11.85         -11.96         -12.11         31/07/98         664         6875         310217           664996         6875019         12         979174         -10.69         -11.82         -11.92         -12.06         31/07/98         665         6875         704365           665993         6874960         11         979175         -10.73         -11.74         -11.83         -11.95         31/07/98         666         6875         704365           668028         6874994         9         979175         -10.74         -11.56         -11.64         -11.74         31/07/98         668         6875         704365           669004         6874981         9         979175         -10.75         -11.54         -11.61         -11.71         31/07/98         669         6875         704365           670016         6875045         9         979175         -10.4         -11.25         -11.33         -11.43         -11.52         31/07/98<												
664017         6874958         13         979174         -10.67         -11.85         -11.96         -12.11         31/07/98         664         6875         310217           664996         6875019         12         979174         -10.69         -11.82         -11.92         -12.06         31/07/98         665         6875         704365           665993         6874953         13         979174         -10.72         -11.88         -11.99         -12.13         31/07/98         666         6875         310217           667038         6874960         11         979175         -10.73         -11.74         -11.83         -11.95         31/07/98         667         6875         704365           668028         6874994         9         979175         -10.74         -11.56         -11.64         -11.74         31/07/98         668         6875         704365           669004         6874981         9         979175         -10.4         -11.25         -11.33         -11.43         31/07/98         669         6875         704365           670016         6875045         9         979175         -10.4         -11.25         -11.33         -11.43         31/07/98         671 <td></td>												
664996         6875019         12         979174         -10.69         -11.82         -11.92         -12.06         31/07/98         665         6875         704365           665993         6874953         13         979174         -10.72         -11.88         -11.99         -12.13         31/07/98         666         6875         310217           667038         6874960         11         979175         -10.73         -11.74         -11.83         -11.95         31/07/98         667         6875         704365           668028         6874994         9         979175         -10.74         -11.56         -11.64         -11.74         31/07/98         668         6875         704365           669004         6874981         9         979175         -10.75         -11.54         -11.61         -11.71         31/07/98         669         6875         704365           670016         6875045         9         979175         -10.4         -11.25         -11.33         -11.43         31/07/98         670         6875         704365           671035         6874995         8         979176         -10.64         -11.36         -11.43         -11.93         31/07/98         671 <td></td>												
665993         6874953         13         979174         -10.72         -11.88         -11.99         -12.13         31/07/98         666         6875         310217           667038         6874960         11         979175         -10.73         -11.74         -11.83         -11.95         31/07/98         667         6875         704365           668028         6874994         9         979175         -10.74         -11.56         -11.64         -11.74         31/07/98         668         6875         704365           669004         6874981         9         979175         -10.75         -11.54         -11.61         -11.71         31/07/98         669         6875         704365           670016         6875045         9         979175         -10.4         -11.25         -11.33         -11.43         31/07/98         670         6875         704365           671035         6874995         8         979176         -10.64         -11.36         -11.43         -11.52         31/07/98         671         6875         310217           671996         6875028         8         979175         -11.55         -12.06         -12.1         -12.17         31/07/98         672												
667038         6874960         11         979175         -10.73         -11.74         -11.83         -11.95         31/07/98         667         6875         704365           668028         6874994         9         979175         -10.74         -11.56         -11.64         -11.74         31/07/98         668         6875         704365           669004         6874981         9         979175         -10.75         -11.54         -11.61         -11.71         31/07/98         669         6875         704365           670016         6875045         9         979175         -10.4         -11.25         -11.33         -11.43         31/07/98         670         6875         704365           671035         6874995         8         979176         -10.64         -11.36         -11.43         -11.52         31/07/98         671         6875         310217           671996         6875028         8         979175         -11.1         -11.81         -11.88         -11.97         31/07/98         672         6875         310217           673052         6874985         5         979175         -11.63         -12.08         -12.12         -12.1         -12.71         31/07/98												
668028         6874994         9         979175         -10.74         -11.56         -11.64         -11.74         31/07/98         668         6875         704365           669004         6874981         9         979175         -10.75         -11.54         -11.61         -11.71         31/07/98         669         6875         704365           670016         6875045         9         979175         -10.4         -11.25         -11.33         -11.43         31/07/98         670         6875         704365           671035         6874995         8         979176         -10.64         -11.36         -11.43         -11.97         31/07/98         671         6875         310217           671996         6875028         8         979175         -11.1         -11.81         -11.88         -11.97         31/07/98         672         6875         310217           673052         6874985         5         979175         -11.63         -12.06         -12.1         -12.17         31/07/98         674         6875         310217           674039         6875006         5         979175         -12         -12.42         -12.46         -12.51         31/07/98         675					ė.							
669004         6874981         9         979175         -10.75         -11.54         -11.61         -11.71         31/07/98         669         6875         704365           670016         6875045         9         979175         -10.4         -11.25         -11.33         -11.43         31/07/98         670         6875         704365           671035         6874995         8         979176         -10.64         -11.36         -11.43         -11.52         31/07/98         671         6875         310217           671996         6875028         8         979175         -11.1         -11.81         -11.88         -11.97         31/07/98         672         6875         310217           673052         6874985         5         979175         -11.55         -12.06         -12.1         -12.17         31/07/98         673         6875         310217           674039         6875006         5         979175         -12         -12.08         -12.12         -12.18         31/07/98         674         6875         310217           674987         6875006         5         979175         -12         -12.42         -12.46         -12.51         31/07/98         675         <												
670016         6875045         9         979175         -10.4         -11.25         -11.33         -11.43         31/07/98         670         6875         704365           671035         6874995         8         979176         -10.64         -11.36         -11.43         -11.52         31/07/98         671         6875         310217           671996         6875028         8         979175         -11.1         -11.81         -11.88         -11.97         31/07/98         672         6875         310217           673052         6874985         5         979175         -11.55         -12.06         -12.1         -12.17         31/07/98         673         6875         310217           674039         6875006         5         979176         -11.63         -12.08         -12.12         -12.18         31/07/98         674         6875         310217           674987         6875006         5         979175         -12         -12.42         -12.46         -12.51         31/07/98         675         6875         310217           677912         6874936         3         979175         -12.64         -12.94         -12.97         -13         31/07/98         676         <												
671035         6874995         8         979176         -10.64         -11.36         -11.43         -11.52         31/07/98         671         6875         310217           671996         6875028         8         979175         -11.1         -11.81         -11.88         -11.97         31/07/98         672         6875         310217           673052         6874985         5         979175         -11.55         -12.06         -12.1         -12.17         31/07/98         673         6875         310217           674039         6875006         5         979176         -11.63         -12.08         -12.12         -12.18         31/07/98         674         6875         310217           674987         6875006         5         979175         -12         -12.42         -12.46         -12.51         31/07/98         675         6875         310217           675912         6874936         3         979175         -12.64         -12.94         -12.97         -13         31/07/98         676         6875         310217           677018         6874888         3         979174         -12.86         -13.38         -13.43         -13.5         31/07/98         677         <												
671996         6875028         8         979175         -11.1         -11.81         -11.88         -11.97         31/07/98         672         6875         310217           673052         6874985         5         979175         -11.55         -12.06         -12.1         -12.17         31/07/98         673         6875         310217           674039         6875006         5         979176         -11.63         -12.08         -12.12         -12.18         31/07/98         674         6875         310217           674987         6875006         5         979175         -12         -12.42         -12.46         -12.51         31/07/98         675         6875         310217           675912         6874936         3         979175         -12.64         -12.94         -12.97         -13         31/07/98         676         6875         310217           677018         6874888         3         979175         -12.99         -13.29         -13.31         -13.35         31/07/98         677         6875         310217           677955         6874995         6         979174         -12.86         -13.38         -13.43         -13.5         31/07/98         678         <												
673052         6874985         5         979175         -11.55         -12.06         -12.1         -12.17         31/07/98         673         6875         310217           674039         6875006         5         979176         -11.63         -12.08         -12.12         -12.18         31/07/98         674         6875         310217           674987         6875006         5         979175         -12         -12.42         -12.46         -12.51         31/07/98         675         6875         310217           675912         6874936         3         979175         -12.64         -12.94         -12.97         -13         31/07/98         676         6875         310217           677018         6874888         3         979175         -12.99         -13.29         -13.31         -13.35         31/07/98         677         6875         310217           677955         6874995         6         979174         -12.86         -13.38         -13.43         -13.5         31/07/98         678         6875         310217           641032         6876005         16         979163         -20.23         -21.33         -21.48         -21.67         2/08/98         641												
674039         6875006         5         979176         -11.63         -12.08         -12.12         -12.18         31/07/98         674         6875         310217           674987         6875006         5         979175         -12         -12.42         -12.46         -12.51         31/07/98         675         6875         310217           675912         6874936         3         979175         -12.64         -12.94         -12.97         -13         31/07/98         676         6875         310217           677018         6874888         3         979175         -12.99         -13.29         -13.31         -13.35         31/07/98         677         6875         310217           677955         6874995         6         979174         -12.86         -13.38         -13.43         -13.5         31/07/98         678         6875         310217           640003         6875944         17         979163         -19.75         -21.33         -21.48         -21.67         2/08/98         640         6876         310217           641032         6876005         16         979163         -20.23         -21.71         -21.84         -22.02         2/08/98         641												
674987         6875006         5         979175         -12         -12.42         -12.46         -12.51         31/07/98         675         6875         310217           675912         6874936         3         979175         -12.64         -12.94         -12.97         -13         31/07/98         676         6875         310217           677018         6874888         3         979175         -12.99         -13.29         -13.31         -13.35         31/07/98         677         6875         310217           677955         6874995         6         979174         -12.86         -13.38         -13.43         -13.5         31/07/98         678         6875         310217           640003         6875944         17         979163         -19.75         -21.33         -21.48         -21.67         2/08/98         640         6876         310217           641032         6876005         16         979163         -20.23         -21.71         -21.84         -22.02         2/08/98         641         6876         310217           641966         6875895         14         979164         -20.42         -21.67         -21.79         -21.94         2/08/98         642												
675912         6874936         3         979175         -12.64         -12.94         -12.97         -13         31/07/98         676         6875         310217           677018         6874888         3         979175         -12.99         -13.29         -13.31         -13.35         31/07/98         677         6875         310217           677955         6874995         6         979174         -12.86         -13.38         -13.43         -13.5         31/07/98         678         6875         310217           640003         6875944         17         979163         -19.75         -21.33         -21.48         -21.67         2/08/98         640         6876         310217           641032         6876005         16         979163         -20.23         -21.71         -21.84         -22.02         2/08/98         641         6876         310217           641966         6875895         14         979164         -20.42         -21.67         -21.79         -21.94         2/08/98         642         6876         310217           643038         6875987         15         979164         -19.95         -21.37         -21.5         -21.67         2/08/98         643												
677018         6874888         3         979175         -12.99         -13.29         -13.31         -13.35         31/07/98         677         6875         310217           677955         6874995         6         979174         -12.86         -13.38         -13.43         -13.5         31/07/98         678         6875         310217           640003         6875944         17         979163         -19.75         -21.33         -21.48         -21.67         2/08/98         640         6876         310217           641032         6876005         16         979163         -20.23         -21.71         -21.84         -22.02         2/08/98         641         6876         310217           641966         6875895         14         979164         -20.42         -21.67         -21.79         -21.94         2/08/98         642         6876         310217           643038         6875987         15         979164         -19.95         -21.37         -21.5         -21.67         2/08/98         643         6876         704365           644052         6876038         16         979164         -19.52         -20.96         -21.09         -21.27         2/08/98         644												
677955         6874995         6         979174         -12.86         -13.38         -13.43         -13.5         31/07/98         678         6875         310217           640003         6875944         17         979163         -19.75         -21.33         -21.48         -21.67         2/08/98         640         6876         310217           641032         6876005         16         979163         -20.23         -21.71         -21.84         -22.02         2/08/98         641         6876         310217           641966         6875895         14         979164         -20.42         -21.67         -21.79         -21.94         2/08/98         642         6876         310217           643038         6875987         15         979164         -19.95         -21.37         -21.5         -21.67         2/08/98         643         6876         704365           644052         6876038         16         979164         -19.52         -20.96         -21.09         -21.27         2/08/98         644         6876         704365												
640003       6875944       17       979163       -19.75       -21.33       -21.48       -21.67       2/08/98       640       6876       310217         641032       6876005       16       979163       -20.23       -21.71       -21.84       -22.02       2/08/98       641       6876       310217         641966       6875895       14       979164       -20.42       -21.67       -21.79       -21.94       2/08/98       642       6876       310217         643038       6875987       15       979164       -19.95       -21.37       -21.5       -21.67       2/08/98       643       6876       704365         644052       6876038       16       979164       -19.52       -20.96       -21.09       -21.27       2/08/98       644       6876       704365												
641032       6876005       16       979163       -20.23       -21.71       -21.84       -22.02       2/08/98       641       6876       310217         641966       6875895       14       979164       -20.42       -21.67       -21.79       -21.94       2/08/98       642       6876       310217         643038       6875987       15       979164       -19.95       -21.37       -21.5       -21.67       2/08/98       643       6876       704365         644052       6876038       16       979164       -19.52       -20.96       -21.09       -21.27       2/08/98       644       6876       704365												
641966     6875895     14     979164     -20.42     -21.67     -21.79     -21.94     2/08/98     642     6876     310217       643038     6875987     15     979164     -19.95     -21.37     -21.5     -21.67     2/08/98     643     6876     704365       644052     6876038     16     979164     -19.52     -20.96     -21.09     -21.27     2/08/98     644     6876     704365												
643038 6875987 15 979164 -19.95 -21.37 -21.5 -21.67 2/08/98 643 6876 704365 644052 6876038 16 979164 -19.52 -20.96 -21.09 -21.27 2/08/98 644 6876 704365												
644052 6876038 16 979164 -19.52 -20.96 -21.09 -21.27 2/08/98 644 6876 704365												
044957 6875978 16 979165 -18.88 -20.31 -20.44 -20.62 2/08/98 645 6876 704365							•					
	04495/	8/66/80	16	9/9165	-18.88	-20.31	-20.44	-20.62	2/08/98	645	6876	/U <b>4</b> 36 <u>5</u>

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
645964	6875925	13	979166	-18.1	-19.31	-19.42	-19.57	2/08/98	646	6876	704365
647002	6875953	14	979167	-17.5	-18.76	-18.88	-19.03	2/08/98	647	6876	704365
648007	6876018	13	979167	-17.53	-18.76	-18.87	-19.02	1/08/98	648	6876	310217
648962	6875951	14	979167	-17.2	-18.46	-18.57	-18.73	2/08/98	649	6876	704365
649973	6876002	20	979165	-16.69	-18.52	-18.68	-18.91	1/08/98	650	6876	310217
651052	6875853	12	979168	-16.93	-18.01	-18.1	-18.24	1/08/98	651	6876	704365
651980	6875999	13	979167	-16.88	-18.07	-18.18	-18.33	1/08/98	652	6876	310217
653014	6875983	12	979168	-16.6	-17.72	-17.82	-17.95	1/08/98	653	6876	704365
654029	6875886	12	979169	-16.18	-17.25	-17.34	-17.48	1/08/98	654	6876	310217
655006	6875999	10	979169	-15.88	-16.83	-16.92	-17.04	1/08/98	655	6876	704365
656013	6875967	10	979170	-15.42	-16.34	-16.42	-16.54	1/08/98	656	6876	310217
656963	6876058	10	979170	-14.7	-15.6	-15.68	-15.79	1/08/98	657	6876	704365
657980	6876019	13	979171	-13.24	-14.47	-14.58	-14.74	1/08/98	658	6876	310217
659003	6875981	15	979171	-12.27	-13.64	-13.76	-13.93	1/08/98	659	6876	704365
659997	6875967	13	979172	-11.98	-13.2	-13.70	-13.47	1/08/98	660	6876	310217
661001	6875996	14	979173	-11.22	-12.48	-12.6	-12.76	1/08/98	661	6876	704365
662064	6875964	13	979173	-11.33	-12.48	-12.58	-12.73	1/08/98	662	6876	310217
662906	6875967	12	979174	-10.97	-12.05	-12.15	-12.73	31/07/98	663	6876	704365
662906	6875967	12	979174	-10.99	-12.07	-12.17	-12.20	31/07/98	663	6876	704365 704365
664012	6875983	12	979174	-10.55	-12.07	-11.92	-12.06	31/07/98	664	6876	310217
665034	6876024	10	979175	-10.71	-11.34	-11.42	-12.00	31/07/98	665		
666034	6875947	9	979175	-10.33	-11.18	-11.42	-11.34	31/07/98	666	6876 6876	704365 310217
667030	6875997	9	979175	-10.33 -9.98	-10.79	-10.87	-10.96	31/07/98			
668008	6875983	11	979175	-9.58	-10.79				667	6876	704365
668986	6875960	9	979176	-9.56 -9.64	-10.5	-10.69 -10.58	-10.82 -10.69	31/07/98	668	6876	704365
670037	6875993	8	979176		-10.5 -10.47			31/07/98	669	6876	704365
				-9.73		-10.54	-10.63	31/07/98	670	6876	704365
671039	6875982	7	979176	-9.9	-10.58	-10.64	-10.73	31/07/98	671	6876	310217
672038	6876003	7	979176	-9.94 -10.44	-10.6	-10.66	-10.74	31/07/98	672	6876	310217
673050	6875960	6	979176	-10.11	-10.7	-10.75	-10.83	31/07/98	673	6876	310217
674013	6875940	8	979175	-10.43	-11.21	-11.28	-11.38	31/07/98	674	6876	310217
675044	6876035	5	979175	-11.28	-11.75	-11.8	-11.86	31/07/98	675	6876	310217
676008	6875955	3	979175	-12.11	-12.43	-12.46	-12.5	31/07/98	676	6876	310217
676973	6875993	3	979175	-12.46	-12.74	-12.76	-12.8	31/07/98	677	6876	310217
677979	6875959	2	979175	-12.6	-12.78	-12.8	-12.82	31/07/98	678	6876	310217
657058 659075	6876729	.8	979170	-14.83	-15.58	-15.65	-15.74	1/08/98	657	6877	704365
658975	6877002	13	979170	-13.05	-14.25	-14.36	-14.51	1/08/98	659	6877	704365
659955	6876992	10	979171	-12.93	-13.87	-13.96	-14.07	1/08/98	660	6877	310217
661027	6876967	9	979172	-12.16	-13.01	-13.09	-13.2	1/08/98	661	6877	704365
661988	6876997	10	979173	-11.84	-12.72	-12.8	-12.91	1/08/98	662	6877	310217
663006	6876962	10	979173	-11.15	-12.09	-12.17	-12.29	31/07/98	663	6877	704365
664034	6876987	10	979174	-10.81	-11.7	-11.78	-11.89	31/07/98	664	6877	310217
664990	6876965	9	979174	-10.43	-11.24	-11.31	-11.41	31/07/98	665	6877	704365
665989	6877003	9	979175	-10	-10.87	-10.94	-11.05	31/07/98	666	6877	310217
666994	6876941	9	979175	-9.61	-10.43	-10.5	-10.6	31/07/98	667	6877	704365
667991	6877019	10	979175	-9.17	-10.13	-10.21	-10.33	31/07/98	668	6877	704365
668971	6877041	10	979175	-8.78	-9.74	-9.82	-9.94	31/07/98	669	6877	704365
670006	6877011	9	979176	-8.75	-9.54	-9.61	-9.71	31/07/98	670	6877	704365
670985	6877040	9	979176	-8.75	-9.6	-9.68	-9.78	31/07/98	671	6877	310217
672009	6876946	.8	979176	-8.97	-9.69	-9.76	-9.85	31/07/98	672	6877	310217
672970	6877004	7	979176	-9.29	-9.93	-9.98	-10.06	31/07/98	673	6877	310217
673962	6877004	6	979175	-10.4	-10.94	-10.99	-11.06	31/07/98	674	6877	310217
675008	6876997	5	979174	-11.36	-11.8	-11.84	-11.89	31/07/98	675	6877	310217
676008	6877073	4	979174	-11.9	-12.27	-12.3	-12.35	31/07/98	676	6877	310217
676990	6877019	3	979174	-12.18	-12.42	-12.45	-12.48	31/07/98	677	6877	310217
677983	6876982	2	979174	-12.26	-12.47	-12.49	-12.51	31/07/98	678	6877	310217
640001	6878015	18	979158	-23.27	-24.91	-25.06	-25.26	14/08/98	640	6878	704365

East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
640951	6878144	25	979156	-23.36	-25.67	-25.88	-26.16	15/08/98	641	6878	310217
642021	6878076	27	979156	-22.87	-25.39	-25.62	-25.92	15/08/98	642	6878	310217
642999	6878025	25	979156	-22.77	-25.08	-25.28	-25.57	15/08/98	643	6878	310217
644023	6877968	23	979157	-22.29	-24.43	-24.63	-24.89	15/08/98	644	6878	310217
645036	6877958	22	979158	-22.12	-24.12	-24.3	-24.55	15/08/98	645	6878	310217
645966	6878029	22	979158	-21.71	-23.76	-23.95	-24.2	15/08/98	646	6878	310217
646983	6877983	21	979159	-21.35	-23.31	-23.49	-23.73	15/08/98	647	6878	310217
647994	6878039	20	979160	-21.04	-22.86	-23.02	-23.25	15/08/98	648	6878	310217
648941	6877951	18	979161	-20.17	-21.83	-21.98	-22.19	15/08/98	649	6878	310217
649958	6877931	19	979162	-18.68	-20.47	-20.63	-20.85	15/08/98	650	6878	310217
650989	6878068	20	979163	-17.74	-19.56	-19.72	-19.94	15/08/98	651	6878	310217
652012	6877933	19	979164	-16.76	-18.53	-18.69	-18.91	15/08/98	652	6878	310217
653025	6877985	18	979165	-16.54	-18.24	-18.4	-18.61	15/08/98	653	6878	310217
653982	6877943	17	979165	-16.36	-17.95	-18.09	-18.29	15/08/98	654	6878	310217
654942	6877960	17	979166	-16.01	-17.57	-17.71	-17.9	15/08/98	655	6878	310217
656003	6877929	14	979167	-15.46	-16.71	-16.82	-16.98	15/08/98	656	6878	310217
656994	6878023	11	979168	-15.14	-16.15	-16.25	-16.37	15/08/98	657	6878	310217
657973	6877932	9	979169	-14.85	-15.71	-15.78	-15.89	15/08/98	658	6878	310217
659052	6878045	7	979170	-14.57	-15.23	-15.29	-15.37	15/08/98	659	6878	310217
660012	6878006	8	979171	-13.72	-14.41	-14.47	-14.56	1/08/98	660	6878	310217
661019	6877960	8	979172	-12.49	-13.23	-13.3	-13.39	1/08/98	661	6878	704365
661990	6877980	9	979172	-11.81	-12.63	-12.7	-12.81	1/08/98	662	6878	310217
663048	6878007	7	979173	-11.26	-11.87	-11.92	-12.01	31/07/98	663	6878	704365
663959	6877950	8	979174	-10.89	-11.59	-11.65	-11.74	31/07/98	664	6878	310217
665035	6877971	8	979174	-10.69	-11.17	-11.24	-11.33	31/07/98	665	6878	704365
666031	6878026	8	979174	-9.9	-10.63	-11.24	-10.78	31/07/98	666	6878	310217
667049	6878016	8	979175	-9.44	-10.03	-10.7	-10.78	31/07/98	667	6878	704365
667954	6877993	7	979175	- <del>9.44</del> -9.1	-9.73	-9.79	-9.87	31/07/98	668	6878	704365 704365
669037	6878023	7	979176	-8.25	-8.94	-9.79. -9	-9.09	31/07/98	669	6878	704365 704365
670057	6877991	7	979176	-8.23	-8.91	-9 -8.97	-9.0 <del>9</del> -9.06	31/07/98	670		704365
671014	6878006	7	979176	-8.55	-9.21	-0.97 -9.27	-9.35	31/07/98	671	6878 6878	
671998	6877958	8	979175	-8.83		-9.65	-9.74	31/07/98	672		310217
672997	6878063	6	979175	-0.03 -9.34	-9.58 -9.92	-9.05 -9.97	-9.74 -10.04	31/07/98	673	6878	310217
673976	6877947	6	979175	-9.3 <del>4</del> -10.38	-9.92 -10.9	-9.97 -10.95	-11.01	31/07/98	674	6878	310217
675039	6877994	5	979175	-10.36 -11.26	-10.9	-10.95	-11.85	31/07/98	675	6878 6878	310217
675991	6877978	4	979174	-11.71	-12.1	-12.14	-12.19	31/07/98	676		310217
676963	6877983	4	979174	-11.71	-12.1	-12.1 <del>4</del>	-12.19	31/07/98		6878	310217
678019	6877991	3	979174		-12.27				677	6878	310217
639991				-12.6 -23.8		-12.87	-12.9	31/07/98	678	6878	310217
641013	6878955 6878985	27 24	979154 979155	-23.0 -24.39	-26.3 -26.57	-26.53 -26.77	-26.84 -27.03	14/08/98 14/08/98	640	6879	704365
641968	6878950	29	979153	-24.03	-26.72		-27.03 -27.3	15/08/98	641	6879	704365
642996	6879005	34	979153	-24.03 -23.22	-26.32	-26.97 -26.6			642	6879	704365
643986		3 <del>1</del>	979153				-26.98	14/08/98	643	6879	704365
644937	6879013 6879004	28	979155	-23.09 -22.89	-25.95 -25.45	-26.21 -25.68	-26.56 25.00	15/08/98	644	6879	704365
645992							-25.99	15/08/98	645	6879	704365
646902	6878954 6878891	23 25	979157 979157	-22.08	-24.24	-24.43	-24.7	15/08/98	646	6879	704365
				-22.12	-24.4	-24.6	-24.88	15/08/98	647	6879	704365
647957	6879006	25	979157	-21.62	-23.92	-24.13	-24.42	15/08/98	648	6879	704365
648969	6878995	26	979157	-20.71 10.07	-23.15	-23.37	-23.67	15/08/98	649 650	6879	704365
649923	6878967	22	979159	-19.97 10.03	-22.03	-22.21	-22.47	15/08/98	650 651	6879	704365
650964 652023	6879033 6878058	22	979160	-19.03 18.04	-21.05	-21.23	-21.48	15/08/98	651	6879	704365
652023 652087	6878958	20	979162	-18.04 17.27	-19.91	-20.08	-20.31	15/08/98	652	6879	704365
652987	6879029	19 10	979163	-17.27	-19.04	-19.2	-19.42	15/08/98	653	6879	704365
654033 654070	6878986	19 17	979164	-16.55	-18.27	-18.42	-18.63	15/08/98	654	6879	704365
654979 655091	6878976	17 10	979165	-16.18	-17.78	-17.93	-18.12	15/08/98	655	6879	704365
655981	6879036	18 15	979165	-15.65	-17.29	-17.44	-17.64	15/08/98	656 657	6879	704365
656984	6878979	15	979166	-15.55	-16.9	-17.02	-17.19	15/08/98	657	6879	704365

657974         6879047         13         979167         -15.52         -16.72         -16.83         -15.04         -15.73         -15.85         150,898         689         6879         310217           660021         6878533         5         979171         -14.03         -14.48         -14.52         -14.85         100,998         660         6878         310217           661029         6878751         7         979172         -12.61         -13.24         -13.3         -13.38         100,998         661         6879         310217           663009         6878942         8         979172         -11.66         -12.4         -12.47         -12.56         310798         662         6879         704365           664052         6878904         8         979173         -11.4         -11.83         -11.93         -11.95         664         6879         704365           666052         6879007         7         979174         -10.32         -10.96         -11.02         -11.3         310798         666         6879         704365           669921         687907         7         979176         -8.37         -9.29         -9.36         -9.45         3107786         666	East	North	Elev	Observ_g	Free_air_c	B22	B24	B267	Date	Line	Stn	Meter_no
660021         6878533         5         979171         -14.03         -14.48         -14.52         -14.88         1/08/98         60         6879         310217           661029         6878771         7         979172         -12.61         1-32.4         -13.3         1/08/98         661         6879         704365           663009         6878771         9         979172         -11.66         -12.4         -12.68         -12.78         1/08/98         662         6879         310217           663002         6878894         6         979173         -11.4         -11.84         -11.94         31/07/98         663         6879         704365           666022         6878904         6         979173         -10.77         -11.33         -11.34         31/07/98         666         6879         704365           666022         6879001         7         979174         -10.22         -10.29         -10.35         -10.43         31/07/98         66         6879         704365           667966         6878972         8         97175         -8.57         -9.29         -9.36         -9.45         31/07/98         668         6879         704365           649089 </td <td>657974</td> <td>6879067</td> <td>1.3</td> <td>979167</td> <td>-15.52</td> <td>-16.72</td> <td>-16.83</td> <td>-16.98</td> <td>15/08/98</td> <td>658</td> <td>6879</td> <td></td>	657974	6879067	1.3	979167	-15.52	-16.72	-16.83	-16.98	15/08/98	658	6879	
6600021         6878653         5         979171         -14.03         -14.48         -14.52         -14.58         1/08/98         660         6879         310217           662078         6878771         9         979172         -11.75         -12.61         -12.36         -12.58         -12.78         1/08/98         662         6879         310217           663009         6878942         8         979172         -11.66         -12.4         -12.47         -12.56         31/07/98         663         6879         704365           665022         6878904         6         979173         -10.77         -11.33         -11.48         -11.18         -11.148         31/07/98         666         6879         310217           666062         6879007         7         979174         -10.32         -10.96         -11.02         -11.1         31/07/98         66         6879         704365           667966         6879077         7         979176         -8.57         -9.29         -9.36         -9.45         31/07/98         66         6879         704365           649021         687903         36         979151         -23.92         -27.62         -27.52         -22.93	658987	6879047	11	979168	-14.65	-15.64	-15.73	-15.85	15/08/98	659	6879	
662078         6878771         9         979172         -11.75         -12.6         -12.68         -12.75         10.08/98         662         6879         310217           663009         6878942         8         979172         -11.66         -12.4         -12.47         -12.66         31007/98         663         6879         704365           666052         6878904         6         979173         -10.77         -11.33         -11.45         -11.096         61020         -11.09         610.05         -11.03         3107/98         665         6879         704365           666092         6879001         7         979174         -9.62         -10.29         -10.35         -10.43         3107/98         666         6879         704365           669021         6879907         7         979176         -8.57         -9.29         -9.36         -9.45         3107/98         66         6879         704365           640001         6879993         36         979151         -23.92         -27.62         -27.53         -27.91         -14.08/98         640         6880         704365           642099         68800013         34         979150         -23.96         -27.39	660021	6878533	5	979171	-14.03	-14.48	-14.52	-14.58	1/08/98	660	6879	
663009         6878942         8         979172         -11.66         -12.4         -12.47         -12.65         31/07/98         663         6879         70/365           6640522         6878904         6         979173         -11.4         -11.84         -11.38         -11.078         31/07/98         664         6879         310217           665022         68780009         7         979174         -10.32         -10.96         -11.02         -11.13         31/07/98         666         6879         70/365           669081         6879051         7         979174         -9.29         -9.36         -9.35         31/07/98         667         6879         70/3365           669021         6879007         7         979176         -8.37         -9.29         -9.36         -9.45         31/07/98         668         6879         70/365           640001         6879007         7         979151         -23.92         -27.22         -27.53         -11.08         11/08/98         640         688         070/365           640098         68800013         34         979151         -24.89         -27.69         -27.95         -28.29         14/08/98         641         680	661029	6878751	7	979172	-12.61	-13.24	-13.3	-13.38	1/08/98	661	6879	704365
664052         6878823         5         979173         -11.4         -11.84         -11.84         -11.94         31/07/98         664         6879         310217           665052         6878904         6         979173         -10.77         -11.33         -11.02         -11.13         31/07/98         665         6879         704365           666982         6879051         7         979174         -9.62         -10.29         -10.35         -10.43         31/07/98         667         6879         704365           667966         6879077         7         979176         -8.57         -9.29         -9.36         -9.45         31/07/98         668         6879         704365           640001         6879993         36         979151         -23.92         -27.22         -27.29         -27.33         14/08/98         641         688         704365           642009         68800013         34         979150         -23.96         -27.99         -22.82         14/08/98         641         688         704365           643036         6880021         37         979150         -23.82         -26.45         -27.12         -27.49         -24.08         44/08/98         642	662078	6878771	9	979172	-11.75	-12.6	-12.68	-12.78	1/08/98	662	6879	310217
665022         6878904         6         979173         -10.77         -11.33         -11.35         -11.45         31/07/98         665         6879         704365           666052         68790051         7         979174         -10.32         -10.29         -10.35         -10.43         31/07/98         666         6879         310366           667966         6878972         8         979175         -8.57         -9.29         -9.36         -9.45         31/07/98         669         6879         704365           669021         6879077         7         979176         -8.37         -8.97         -9.03         -9.1         31/07/98         669         6879         704365           640001         6880013         34         979151         -24.5         -27.63         -27.91         -28.29         14/08/98         641         688         704365           642008         6880020         37         979150         -24.89         -27.69         -27.79         -28.12         14/08/98         642         688         704365           643099         6879984         34         979152         -23.82         -26.84         -27.12         14/08/98         645         6880 <t< td=""><td>663009</td><td>6878942</td><td>8</td><td>979172</td><td>-11.66</td><td>-12.4</td><td>-12.47</td><td>-12.56</td><td>31/07/98</td><td>663</td><td>6879</td><td>704365</td></t<>	663009	6878942	8	979172	-11.66	-12.4	-12.47	-12.56	31/07/98	663	6879	704365
666052         6879009         7         979174         -10.32         -10.96         -11.02         -11.13         31/07/98         666         6879         310217           6669986         66799051         7         979174         -9.62         -10.35         -10.43         31/07/98         668         6879         704365           669021         6879007         7         979176         -8.37         -9.29         -9.36         -9.45         31/07/98         668         6879         704365           640001         6879993         36         979151         -24.92         -27.63         -27.91         -28.23         14/08/98         640         6880         704365           642009         6880000         30         979151         -24.89         -27.63         -27.75         -28.29         14/08/98         642         6880         704365           643036         6880000         37         979152         -23.96         -27.39         -27.75         -28.12         14/08/98         642         6880         704365           645008         6879983         33         979152         -23.22         -26.44         -27.12         14/08/98         645         6880         704365	664052	6878823	5	979173	-11.4	-11.84	-11.88	-11.94	31/07/98	664	6879	310217
666998         6879051         7         979174         -9.62         -10.29         -10.35         -10.43         31/07/98         668         6879         704365           667966         6878972         8         979175         -8.57         -9.29         -9.36         -9.45         31/07/98         668         6879         704365           640001         6879997         7         979176         -8.37         -8.97         -9.03         -9.1         31/07/98         669         6879         704365           640081         6880013         34         979151         -224.5         -27.63         -27.99         -22.99         14/08/98         641         6880         704365           642009         6880002         37         979150         -23.99         -27.69         -27.29         -28.12         14/08/98         643         6880         704365           6430936         6879984         34         979152         -23.82         -26.84         -27.12         14/08/98         646         6880         704365           645022         6880041         31         979153         -23.12         -25.95         -26.21         -26.61         14/08/98         647         6880	665022	6878904	6	979173	-10.77	-11.33	-11.38	-11.45	31/07/98	665	6879	704365
667966         6878972         8         979175         -8.57         -9.29         -9.36         -9.45         31/07/98         668         6879         704365           669021         68799077         7         799176         -8.37         -8.97         -9.03         -9.13         11/07/98         669         6879         704365           640098         6880013         34         979151         -24.5         -27.63         -27.91         -28.31         14/08/98         641         6880         704365           642098         6880020         37         979150         -23.96         -27.39         -27.77         -28.12         14/08/98         642         6880         704365           643098         6879984         34         979152         -23.28         -26.45         -26.71         -27.12         14/08/98         644         6880         704365           645002         6880044         31         979153         -23.12         -25.95         -26.21         -26.64         -47.12         14/08/98         647         6880         704365           648024         6879984         29         979153         -21.27         -24.19         -24.61         -24.82         14/08/98	666052	6879009	7	979174	-10.32	-10.96	-11.02	-11,1	31/07/98	666	6879	310217
669021         6879007         7         979176         -8.37         -8.97         -9.03         -9.1         31/07/98         669         6879         704365           640001         6879993         36         979151         -23.92         -27.22         -27.52         -27.93         14/08/98         641         6880         704365           642009         6880000         30         979151         -24.89         -27.63         -27.95         -28.29         14/08/98         642         6880         704365           643036         6880020         37         979150         -23.96         -27.39         -27.7         -28.12         14/08/98         642         6880         704365           643098         6879983         33         979152         -23.29         -26.45         -26.71         -27.12         14/08/98         645         6880         704365           645008         6879981         31         979153         -23.12         -25.95         -26.21         -26.66         14/08/98         646         6880         704365           646002         6880031         33         979153         -21.27         -24.19         -24.46         -22.32         -25.51         -25.01	666998	6879051	7	979174	-9.62	-10.29	-10.35	-10.43	31/07/98	667	6879	704365
640001         6879993         36         979151         -23.92         -27.22         -27.52         -27.93         14/08/98         640         6880         704365           640989         68800013         34         979151         -24.5         -27.69         -27.95         -28.29         14/08/98         641         6880         704365           643036         6880020         37         979150         -23.96         -27.39         -27.7         -28.12         14/08/98         642         6880         704365           643099         6879983         33         979152         -23.82         -26.84         -27.12         -27.49         14/08/98         644         6880         704365           645002         6880044         31         979153         -23.12         -25.95         -26.21         -26.56         14/08/98         646         6880         704365           648024         6879982         32         979153         -21.92         -24.96         -22.25         -25.21         -25.61         14/08/98         647         6880         704365           648072         6879984         29         979156         -20.76         -23.46         -23.7         -24.01         14/08/	667966	6878972	8	979175	-8.57	-9.29	-9.36	-9.45	31/07/98	668	6879	704365
640989         6880013         34         979151         -24.5         -27.63         -27.91         -28.3         14/08/98         641         6880         704365           642009         6880000         30         979150         -23.96         -27.69         -27.77         -28.12         14/08/98         643         6880         704365           643036         6880020         37         979150         -23.92         -26.84         -27.12         -27.49         14/08/98         644         6880         704365           645008         6879983         33         979152         -23.29         -26.45         -26.74         -27.12         14/08/98         645         6880         704365           645002         6880044         31         979153         -21.92         -24.96         -25.23         -25.61         14/08/98         646         6880         704365           648024         6879982         32         979154         -21.27         -24.19         -24.66         -24.82         14/08/98         647         6880         704365           649072         6879944         29         979156         -20.76         -23.46         -23.7         -24.03         14/08/98         650 </td <td>669021</td> <td>6879007</td> <td>7</td> <td>979176</td> <td>-8.37</td> <td>-8.97</td> <td>-9.03</td> <td>-9.1</td> <td>31/07/98</td> <td>669</td> <td>6879</td> <td>704365</td>	669021	6879007	7	979176	-8.37	-8.97	-9.03	-9.1	31/07/98	669	6879	704365
642009         6880000         30         979151         -24.89         -27.69         -27.95         -28.29         14/08/98         642         6880         704365           643036         6880020         37         979150         -23.96         -27.39         -27.77         -28.12         14/08/98         643         6880         704365           643098         6879984         34         979152         -23.29         -26.45         -26.74         -27.12         14/08/98         645         6880         704365           646002         6880044         31         979153         -23.12         -25.95         -26.21         -26.56         14/08/98         646         6880         704365           646902         6880031         33         979153         -21.92         -24.96         -25.23         -25.61         14/08/98         647         6880         704365           648024         6879982         22         979156         -20.76         -23.46         -23.72         -24.03         14/08/98         649         6880         704365           650009         6879991         27         979157         -20.46         -22.99         -23.22         -23.54         14/08/98         65	640001	6879993	36	979151	-23.92	-27.22	-27.52	-27.93	14/08/98	640	6880	704365
643036         6880020         37         979150         -23.96         -27.39         -27.7         -28.12         14/08/98         643         6880         704365           643999         6879983         33         979152         -23.82         -26.84         -27.12         -27.49         14/08/98         644         6880         704365           645008         6879964         34         979153         -23.12         -25.95         -26.61         14/08/98         646         6880         704365           646002         6880044         31         979153         -23.12         -25.95         -26.11         -24.66         14/08/98         646         6880         704365           648024         6879982         32         979154         -21.27         -24.19         -24.66         -23.22         14/08/98         648         6880         704365           649072         6879944         29         979156         -20.76         -23.46         -23.7         -24.03         14/08/98         650         6880         704365           650993         6880003         20         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         651         6880 <td>640989</td> <td>6880013</td> <td>34</td> <td>979151</td> <td>-24.5</td> <td>-27.63</td> <td>-27.91</td> <td>-28.3</td> <td>14/08/98</td> <td>641</td> <td>6880</td> <td>704365</td>	640989	6880013	34	979151	-24.5	-27.63	-27.91	-28.3	14/08/98	641	6880	704365
643999         6879983         33         979152         -23.82         -26.45         -27.12         -27.49         14/08/98         644         6880         704365           645008         6879964         34         979152         -23.29         -26.45         -26.74         -27.12         14/08/98         645         6880         704365           646002         6880044         31         979153         -23.12         -25.95         -26.21         -26.56         14/08/98         647         6880         704365           648024         6879982         32         979156         -21.27         -24.19         -24.46         -24.82         14/08/98         647         6880         704365           649072         6879944         29         979157         -20.76         -23.46         -23.7         -24.03         14/08/98         649         6880         704365           650983         6880007         23         979157         -20.46         -22.99         -22.52         14/08/98         651         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         652         6880 </td <td>642009</td> <td>6880000</td> <td>30</td> <td>979151</td> <td>-24.89</td> <td>-27.69</td> <td>-27.95</td> <td>-28.29</td> <td>14/08/98</td> <td>642</td> <td>6880</td> <td>704365</td>	642009	6880000	30	979151	-24.89	-27.69	-27.95	-28.29	14/08/98	642	6880	704365
645008         6879964         34         979152         -23.29         -26.45         -26.74         -27.12         14/08/98         645         6880         704365           646002         6880044         31         979153         -23.12         -25.95         -26.21         -26.56         14/08/98         646         6880         704365           648024         6879982         32         979154         -21.27         -24.19         -24.46         -24.82         14/08/98         649         6880         704365           649072         6879944         29         979156         -20.76         -23.46         -23.7         -24.03         14/08/98         649         6880         704365           650009         6879991         27         979157         -20.46         -22.99         -23.22         -23.54         14/08/98         650         6880         704365           650983         6880007         23         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         651         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         652	643036	6880020	37	979150	-23.96	-27.39	-27.7	-28.12	14/08/98	643	6880	704365
646002         6880044         31         979153         -23.12         -25.95         -26.21         -26.56         14/08/98         646         6880         704365           646953         6880031         33         979153         -21.92         -24.96         -25.23         -25.61         14/08/98         647         6880         704365           648024         6879982         32         979156         -20.76         -23.46         -23.77         -24.03         14/08/98         649         6880         704365           650009         6879944         29         979157         -20.46         -22.99         -23.22         -23.54         14/08/98         650         6880         704365           650983         6880007         23         979159         -19.98         -22.07         -22.26         -22.52         14/08/98         651         6880         704365           652999         6880003         20         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         652         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         65	643999	6879983	33	979152	-23.82	-26.84	-27.12	-27.49	1 <b>4/</b> 08/98	644	6880	704365
646953         6880031         33         979153         -21.92         -24.96         -25.23         -25.61         14/08/98         647         6880         704365           648024         6879982         32         979154         -21.27         -24.19         -24.46         -24.82         14/08/98         648         6880         704365           649072         6879944         29         979156         -20.76         -23.46         -23.7         -24.03         14/08/98         649         6880         704365           6500983         6880007         23         979159         -19.98         -22.07         -22.26         -22.52         14/08/98         651         6880         704365           652099         6880003         20         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         652         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         652         6880         704365           653947         687966         19         979164         -15.56         -17.26         -17.42         -17.63         14/08/98         656	645008	6879964	34	979152	-23.29	-26.45	-26.74	-27.12	14/08/98	645	6880	704365
648024         6879982         32         979154         -21.27         -24.19         -24.46         -24.82         14/08/98         648         6880         704365           649072         6879944         29         979156         -20.76         -23.46         -23.7         -24.03         14/08/98         649         6880         704365           650009         6879991         27         979157         -20.46         -22.99         -23.22         -23.54         14/08/98         650         6880         704365           650983         6880007         23         979169         -19.98         -22.07         -22.26         -22.52         14/08/98         651         6880         704365           652996         6880003         20         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         652         6880         704365           652996         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         653         6880         704365           653947         6879966         19         979164         -15.55         -17.26         -17.42         -17.63         14/08/98         655	646002	6880044	31	979153	-23.12	-25.95	-26.21	-26.56	14/08/98	646	6880	704365
649072         6879944         29         979156         -20.76         -23.46         -23.7         -24.03         14/08/98         649         6880         704365           650009         6879991         27         979157         -20.46         -22.99         -23.22         -23.54         14/08/98         650         6880         704365           650983         6880007         23         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         652         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         652         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         653         6880         704365           653947         6879966         19         979164         -15.55         -17.26         -17.42         -17.63         14/08/98         655         6880         704365           655994         6879950         20         979164         -15.56         -17.42         -17.59         -17.64         14/08/98         657	646953	6880031	33	979153	-21.92	-24.96	-25.23	-25.61	14/08/98	647	6880	704365
650009         6879991         27         979157         -20.46         -22.99         -23.22         -23.54         14/08/98         650         6880         704365           650983         6880007         23         979159         -19.98         -22.07         -22.26         -22.52         14/08/98         651         6880         704365           652099         6880003         20         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         652         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         653         6880         704365           653947         6879966         19         979164         -15.55         -17.26         -17.42         -17.63         14/08/98         655         6880         704365           655994         6879950         20         979164         -15.56         -17.42         -17.59         -17.64         14/08/98         656         6880         704365           657974         6879956         13         979165         -15.85         -17.32         -17.45         -17.64         14/08/98         65	648024	6879982	32	979154	-21.27	-24.19	-24.46	-24.82	14/08/98	648	6880	704365
650983         6880007         23         979159         -19.98         -22.07         -22.26         -22.52         14/08/98         651         6880         704365           652099         6880003         20         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         652         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         653         6880         704365           653947         6879966         19         979164         -15.55         -17.26         -17.42         -17.63         14/08/98         655         6880         704365           655994         6879950         20         979164         -15.56         -17.42         -17.59         -17.82         14/08/98         656         6880         704365           657008         6879956         13         979165         -15.85         -17.32         -17.45         -17.64         14/08/98         657         6880         704365           658943         6879956         13         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         65	649072	6879944	29	979156	-20.76	-23.46	-23.7	-24.03	14/08/98	649	6880	704365
652099         6880003         20         979160         -18.74         -20.61         -20.78         -21.01         14/08/98         652         6880         704365           652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         653         6880         704365           653947         6879966         19         979163         -16.12         -17.9         -18.06         -18.28         14/08/98         654         6880         704365           654986         6880009         19         979164         -15.55         -17.26         -17.42         -17.63         14/08/98         655         6880         704365           655994         6879950         20         979164         -15.56         -17.42         -17.59         -17.82         14/08/98         656         6880         704365           657974         6879958         16         979165         -15.55         -16.74         -16.85         -17         14/08/98         657         6880         704365           657974         6879956         13         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         659 <td>650009</td> <td>6879991</td> <td>27</td> <td>979157</td> <td>-20.46</td> <td>-22.99</td> <td>-23.22</td> <td>-23.54</td> <td>14/08/98</td> <td>650</td> <td>6880</td> <td>704365</td>	650009	6879991	27	979157	-20.46	-22.99	-23.22	-23.54	14/08/98	650	6880	704365
652969         6879927         22         979161         -17.31         -19.38         -19.57         -19.82         14/08/98         653         6880         704365           653947         6879966         19         979163         -16.12         -17.9         -18.06         -18.28         14/08/98         654         6880         704365           654986         6880009         19         979164         -15.55         -17.26         -17.42         -17.63         14/08/98         655         6880         704365           655994         6879950         20         979164         -15.56         -17.42         -17.59         -17.82         14/08/98         656         6880         704365           657008         6879958         16         979165         -15.85         -17.32         -17.45         -17.64         14/08/98         657         6880         704365           657974         6879956         13         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         658         6880         704365           658943         6879996         10         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         659	650983	6880007	23	979159	-19.98	-22.07	-22.26	-22.52	14/08/98	651	6880	704365
653947         6879966         19         979163         -16.12         -17.9         -18.06         -18.28         14/08/98         654         6880         704365           654986         6880009         19         979164         -15.55         -17.26         -17.42         -17.63         14/08/98         655         6880         704365           655994         6879950         20         979164         -15.56         -17.42         -17.59         -17.82         14/08/98         656         6880         704365           657008         6879958         16         979165         -15.52         -16.74         -16.85         -17         14/08/98         657         6880         704365           657974         6879956         13         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         659         6880         704365           658943         6879996         10         979150         -25.12         -28.13         -28.4         -28.77         14/08/98         640         6881         704365           641027         6880989         30         979150         -25.95         -28.75         -29         -29.35         14/08/98         641	652099	6880003	20	979160	-18.74	-20.61	-20.78	-21.01	14/08/98	652	6880	704365
654986         6880009         19         979164         -15.55         -17.26         -17.42         -17.63         14/08/98         655         6880         704365           655994         6879950         20         979164         -15.56         -17.42         -17.59         -17.82         14/08/98         656         6880         704365           657008         6879958         16         979165         -15.85         -17.32         -17.45         -17.64         14/08/98         657         6880         704365           657974         6879956         13         979166         -15.52         -16.74         -16.85         -17         14/08/98         658         6880         704365           658943         6879996         10         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         659         6880         704365           640021         6880959         33         979150         -25.12         -28.13         -28.4         -28.77         14/08/98         640         6881         704365           641027         6880989         30         979150         -25.95         -28.75         -29         -29.35         14/08/98         641	652969	6879927	22	979161	-17.31	-19.38	-19.57	-19.82	14/08/98	653	6880	704365
655994         6879950         20         979164         -15.56         -17.42         -17.59         -17.82         14/08/98         656         6880         704365           657008         6879958         16         979165         -15.85         -17.32         -17.45         -17.64         14/08/98         657         6880         704365           657974         6879956         13         979166         -15.52         -16.74         -16.85         -17         14/08/98         658         6880         704365           658943         6879996         10         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         659         6880         704365           640021         6880959         33         979150         -25.12         -28.13         -28.4         -28.77         14/08/98         640         6881         704365           641027         6880989         30         979150         -25.95         -28.75         -29         -29.35         14/08/98         642         6881         704365           642018         6881019         41         979147         -25.03         -28.84         -29.18         -29.65         14/08/98         642	653947	6879966	19	979163	-16.12	-17.9	-18.06	-18.28	14/08/98	654	6880	704365
657008         6879958         16         979165         -15.85         -17.32         -17.45         -17.64         14/08/98         657         6880         704365           657974         6879956         13         979166         -15.52         -16.74         -16.85         -17         14/08/98         658         6880         704365           658943         6879996         10         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         659         6880         704365           640021         6880959         33         979150         -25.12         -28.13         -28.4         -28.77         14/08/98         640         6881         704365           641027         6880989         30         979150         -25.95         -28.75         -29         -29.35         14/08/98         641         6881         704365           642018         6881019         41         979147         -25.03         -28.84         -29.18         -29.65         14/08/98         642         6881         704365           643022         6880960         35         979149         -25.06         -28.27         -28.56         14/08/98         644         6881	654986	6880009	19	979164	-15.55	-17.26	-17.42	-17.63	14/08/98	655	6880	704365
657974         6879956         13         979166         -15.52         -16.74         -16.85         -17         14/08/98         658         6880         704365           658943         6879996         10         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         659         6880         704365           640021         6880959         33         979150         -25.12         -28.13         -28.4         -28.77         14/08/98         640         6881         704365           641027         6880989         30         979150         -25.95         -28.75         -29         -29.35         14/08/98         641         6881         704365           642018         6881019         41         979147         -25.03         -28.84         -29.18         -29.65         14/08/98         642         6881         704365           643022         6880960         35         979149         -25.06         -28.27         -28.56         -28.95         14/08/98         643         6881         704365           643984         6881008         33         979150         -24.96         -28         -28.28         -28.65         14/08/98         644	655994	6879950	20	979164	-15.56	-17.42	-17.59	-17.82	14/08/98	656	6880	704365
658943         6879996         10         979167         -14.78         -15.74         -15.83         -15.95         14/08/98         659         6880         704365           640021         6880959         33         979150         -25.12         -28.13         -28.4         -28.77         14/08/98         640         6881         704365           641027         6880989         30         979150         -25.95         -28.75         -29         -29.35         14/08/98         641         6881         704365           642018         6881019         41         979147         -25.03         -28.84         -29.18         -29.65         14/08/98         642         6881         704365           643022         6880960         35         979149         -25.06         -28.27         -28.56         -28.95         14/08/98         643         6881         704365           643984         6881008         33         979150         -24.96         -28         -28.28         -28.65         14/08/98         644         6881         704365           644986         6880936         32         979151         -24.5         -27.46         -27.73         -28.09         14/08/98         645	657008	6879958	16	979165	-15.85	-17.32	-17.45	-17.64	14/08/98	657	6880	704365
640021         6880959         33         979150         -25.12         -28.13         -28.4         -28.77         14/08/98         640         6881         704365           641027         6880989         30         979150         -25.95         -28.75         -29         -29.35         14/08/98         641         6881         704365           642018         6881019         41         979147         -25.03         -28.84         -29.18         -29.65         14/08/98         642         6881         704365           643022         6880960         35         979149         -25.06         -28.27         -28.56         -28.95         14/08/98         643         6881         704365           643984         6881008         33         979150         -24.96         -28         -28.28         -28.65         14/08/98         644         6881         704365           644986         6880936         32         979151         -24.5         -27.46         -27.73         -28.09         14/08/98         645         6881         704365           647042         6880941         31         979153         -22.68         -25.57         -25.83         -26.19         14/08/98         647	657974	6879956	13	979166	-15.52	-16.74	-16.85	-17	14/08/98	658	6880	704365
641027         6880989         30         979150         -25.95         -28.75         -29         -29.35         14/08/98         641         6881         704365           642018         6881019         41         979147         -25.03         -28.84         -29.18         -29.65         14/08/98         642         6881         704365           643022         6880960         35         979149         -25.06         -28.27         -28.56         -28.95         14/08/98         643         6881         704365           643984         6881008         33         979150         -24.96         -28         -28.28         -28.65         14/08/98         644         6881         704365           644986         6880936         32         979151         -24.5         -27.46         -27.73         -28.09         14/08/98         645         6881         704365           646020         6880992         30         979151         -24.27         -27.07         -27.32         -27.67         14/08/98         646         6881         704365           647042         6880941         31         979153         -22.23         -24.99         -25.24         -25.58         14/08/98         647	658943	6879996	10	979167	-14.78	-15.74	-15.83	-15.95	14/08/98	659	6880	704365
642018       6881019       41       979147       -25.03       -28.84       -29.18       -29.65       14/08/98       642       6881       704365         643022       6880960       35       979149       -25.06       -28.27       -28.56       -28.95       14/08/98       643       6881       704365         643984       6881008       33       979150       -24.96       -28       -28.28       -28.65       14/08/98       644       6881       704365         644986       6880936       32       979151       -24.5       -27.46       -27.73       -28.09       14/08/98       645       6881       704365         646020       6880992       30       979151       -24.27       -27.07       -27.32       -27.67       14/08/98       646       6881       704365         647042       6880941       31       979153       -22.68       -25.57       -25.83       -26.19       14/08/98       647       6881       704365         649044       6881029       26       979153       -22.23       -24.99       -25.24       -25.58       14/08/98       649       6881       704365         650012       6881007       26       979156		6880959						-28.77		640	6881	704365
643022       6880960       35       979149       -25.06       -28.27       -28.56       -28.95       14/08/98       643       6881       704365         643984       6881008       33       979150       -24.96       -28       -28.28       -28.65       14/08/98       644       6881       704365         644986       6880936       32       979151       -24.5       -27.46       -27.73       -28.09       14/08/98       645       6881       704365         646020       6880992       30       979151       -24.27       -27.07       -27.32       -27.67       14/08/98       646       6881       704365         647042       6880941       31       979153       -22.68       -25.57       -25.83       -26.19       14/08/98       647       6881       704365         648032       6881020       30       979153       -22.23       -24.99       -25.24       -25.58       14/08/98       648       6881       704365         649044       6881029       26       979155       -21.9       -24.27       -24.48       -24.77       14/08/98       649       6881       704365         650012       6881007       26       979156	641027	6880989		979150	-25.95	-28.75			14/08/98	641	6881	704365
643984       6881008       33       979150       -24.96       -28       -28.28       -28.65       14/08/98       644       6881       704365         644986       6880936       32       979151       -24.5       -27.46       -27.73       -28.09       14/08/98       645       6881       704365         646020       6880992       30       979151       -24.27       -27.07       -27.32       -27.67       14/08/98       646       6881       704365         647042       6880941       31       979153       -22.68       -25.57       -25.83       -26.19       14/08/98       647       6881       704365         648032       6881020       30       979153       -22.23       -24.99       -25.24       -25.58       14/08/98       648       6881       704365         649044       6881029       26       979155       -21.9       -24.27       -24.48       -24.77       14/08/98       649       6881       704365         650012       6881007       26       979156       -21.18       -23.58       -23.8       -24.09       14/08/98       640       6881       704365         640000       6881985       30       979149       <											6881	
644986       6880936       32       979151       -24.5       -27.46       -27.73       -28.09       14/08/98       645       6881       704365         646020       6880992       30       979151       -24.27       -27.07       -27.32       -27.67       14/08/98       646       6881       704365         647042       6880941       31       979153       -22.68       -25.57       -25.83       -26.19       14/08/98       647       6881       704365         648032       6881020       30       979153       -22.23       -24.99       -25.24       -25.58       14/08/98       648       6881       704365         649044       6881029       26       979155       -21.9       -24.27       -24.48       -24.77       14/08/98       649       6881       704365         650012       6881007       26       979156       -21.18       -23.58       -23.8       -24.09       14/08/98       640       6881       704365         640000       6881985       30       979149       -26.2       -28.96       -29.21       -29.55       14/08/98       640       6882       704365	643022	6880960	35	979149	-25.06	-28.27	-28.56	-28.95	14/08/98	643	6881	704365
646020       6880992       30       979151       -24.27       -27.07       -27.32       -27.67       14/08/98       646       6881       704365         647042       6880941       31       979153       -22.68       -25.57       -25.83       -26.19       14/08/98       647       6881       704365         648032       6881020       30       979153       -22.23       -24.99       -25.24       -25.58       14/08/98       648       6881       704365         649044       6881029       26       979155       -21.9       -24.27       -24.48       -24.77       14/08/98       649       6881       704365         650012       6881007       26       979156       -21.18       -23.58       -23.8       -24.09       14/08/98       650       6881       704365         640000       6881985       30       979149       -26.2       -28.96       -29.21       -29.55       14/08/98       640       6882       704365	643984	6881008	33	979150	-24.96	-28	-28.28	-28.65	14/08/98	644	6881	704365
647042       6880941       31       979153       -22.68       -25.57       -25.83       -26.19       14/08/98       647       6881       704365         648032       6881020       30       979153       -22.23       -24.99       -25.24       -25.58       14/08/98       648       6881       704365         649044       6881029       26       979155       -21.9       -24.27       -24.48       -24.77       14/08/98       649       6881       704365         650012       6881007       26       979156       -21.18       -23.58       -23.8       -24.09       14/08/98       650       6881       704365         640000       6881985       30       979149       -26.2       -28.96       -29.21       -29.55       14/08/98       640       6882       704365	644986	6880936	32	979151	-24.5		-27.73	-28.09		645	6881	704365
648032       6881020       30       979153       -22.23       -24.99       -25.24       -25.58       14/08/98       648       6881       704365         649044       6881029       26       979155       -21.9       -24.27       -24.48       -24.77       14/08/98       649       6881       704365         650012       6881007       26       979156       -21.18       -23.58       -23.8       -24.09       14/08/98       650       6881       704365         640000       6881985       30       979149       -26.2       -28.96       -29.21       -29.55       14/08/98       640       6882       704365		6880992	30	979151	-24.27	-27.07	-27.32	-27.67	14/08/98	646	6881	704365
649044       6881029       26       979155       -21.9       -24.27       -24.48       -24.77       14/08/98       649       6881       704365         650012       6881007       26       979156       -21.18       -23.58       -23.8       -24.09       14/08/98       650       6881       704365         640000       6881985       30       979149       -26.2       -28.96       -29.21       -29.55       14/08/98       640       6882       704365										647		
650012 6881007 26 979156 -21.18 -23.58 -23.8 -24.09 14/08/98 650 6881 704365 640000 6881985 30 979149 -26.2 -28.96 -29.21 -29.55 14/08/98 640 6882 704365										648	6881	
640000 6881985 30 979149 -26.2 -28.96 -29.21 -29.55 14/08/98 640 6882 704365												
641008 6881995 30 979148 -26.65 -29.41 -29.67 -30.01 14/08/98 641 6882 704365												
	641008	6881995	30	979148	-26.65	-29.41	-29.67	-30.01	14/08/98	641	6882	704365

# APPENDIX FIVE

Drill Hole Logs, Analytical Results and Magnetic Susceptibility Data

Hole: UCD98001

Projection: AMG-53

**Easting:** 652600

**Northing:** 6861400

Inclination: -90

**Depth:** 355.3

Water depth: 160

**Date started:** 30-Nov-98 **Date finished:** 02-Dec-98

Comments: Hole abandoned at

355.3m due to water

Hole	From	То	FLAG	WTH	RT1	RT1Q1	RT1Q2	RT2	GSIZE	RH1	RH2	RTT1	RTM1	RTM2	RTM3	RTM4	СР	НТ	MT	AA	AT1
UCD98001	294.3	301.2		0	ROCK	BN			F	Е		EQ	QZ	FD	MA			Т	S	М	MF
UCD98001	294.9	294.9	4. *					PEGM													DV
UCD98001	295.7	295.9	FR								Ņ.										
UCD98001	301.2	312.5		0	ROCK	MA	BN		F	E		EQ	QZ	FD	MA	CL		T	S	М	MF
UCD98001	302.9	303.4						SCHS			*,**		CL	BI							DV
UCD98001	302.9	304.8	FR																		
UCD98001	304.3	305					,						CL	BI							
UCD98001	312.5	314.9		0	GRAN	GP			M	C		45.	FD	QZ					М		PD
UCD98001	314.9	323.6		0	GRAN	MA			F	W			FD	QZ	HB	MA		T	М		MF
UCD98001	323.6	329		0	GNES	FO	MA		F	E			QZ	FD	BI	MA			М		MF
UCD98001	329	334		0	ROCK	MA	FO		F	G			QZ	FD	Bl	HE		T	М		MF
UCD98001	329	334	XX																		DV
UCD98001	334	336.4		0	GNES	FO	MA		F	ш			QZ	FD	BI	MA			М		
UCD98001	334.3	334.4						PEGM				7. 3.									
UCD98001	336.4	337.2		0	GRAN	GR			М			4.1	FD	QZ	BI				T		
UCD98001	337.2	338.3		0	GNES	FO			ᅲ		- 1	EQ	QZ	FD	BI	MA			М		PD
UCD98001	338.3	348.1		0	GRAN	GR	MA		F	C	1	EQ	FD	QZ	НВ	Bl			T		MF
UCD98001	348.1	355.3		0	GNES	FO	MA		F	E			QZ	FD	BI	MA	T		М		MF
UCD98001	348.1	355.3	XX			L															

Hole	From	То	AT1M1	AT1M2	AT1M3	AT1M4	VEINPC	VEINQUAL	VTM1	VTM2	VТМЗ	VTM4	STR_TYPE	STR-LCA-1
UCD98001	294.3	301.2	CL	Bl			M	V1	QZ	PX	MA	EP	СВ	20
UCD98001	294.9	294.9	HE											
UCD98001	295.7	295.9										_		
UCD98001	301.2	312.5	CL	SR			T	V1	CL	BI	QZ		V1	0
UCD98001	302.9	303.4	HE				M	V2	QZ	FD	НВ	SN	V2	30
UCD98001	302.9	304.8												
UCD98001	304.3	305										·,		
UCD98001	312.5	314.9	HE											
UCD98001	314.9	323.6	CL	Bl	HE	LI	<	V1	QZ	НВ				
UCD98001	323.6	329	Bl	CL			М	V1	FD	НВ	Bl		FO	10
UCD98001	329	334	CL	SR			М	V1	QZ	CL	HE		FO	35
UCD98001	329	334	HE											
UCD98001	334	336.4					S	V1	QZ	BI	FD		FO	40
UCD98001	334.3	334.4												
UCD98001	336.4	337.2	HE											
UCD98001	337.2	338.3	HE					V1	QZ	FD	BI	CL	FO	35
UCD98001	338.3	348.1	CL				<	V1	QZ	FD				
UCD98001	348.1	355.3	CL	HE	SR	FD		V1	FD	QZ	CL		FO	30
UCD98001	348.1	355.3						V2	Bi	MA	CP			

Hole	From	То	COMMENTS
UCD98001	294.3	301.2	295.7-295.7 2000 gph @ 60 psi
UCD98001	294.9	294.9	
UCD98001	295.7	295.9	
UCD98001	301.2	312.5	
UCD98001	302.9	303.4	
UCD98001	302.9	304.8	
UCD98001	304.3	305	
UCD98001	312.5	314.9	discordant
UCD98001	314.9	323.6	
UCD98001	323.6	329	
UCD98001	329	334	
UCD98001	329	334	
UCD98001	334	336.4	
UCD98001	334.3	334.4	
UCD98001	336.4	337.2	discordant
UCD98001	337.2	338.3	
UCD98001	338.3	348.1	
UCD98001	348.1	355.3	
UCD98001	348.1	355.3	end of hole 355,3m.

CODE Alteration	DESCRIPTION	CODE Percentage	DESCRIPTION
DV	disseminated selvages adjacent to viens	<	rare trace (<<1%)
MF	mafic alteration	М	minor (1-5%)
PD	patchy	S	subordinate (5-25%)
		Ť	trace (<1%)
Amount			
М	minor (1-5%)	Qualifier	
	•	BN	banded
Flag		EQ	equigranular
FR	fracture zone	FO	foliated
XX	continuation of last line	GP	graphic
		GR	granitic
Grain Size	•	MA	magnetite-bearing
F	fine-grained (<1mm)	V1	veins 1
M	medium-grained (1-4mm)	V2	veins 2
	modium gramos (r. min,	, _	vollio L
Hue		Rock Type	
C	Cream	GNES	gneiss
Ĕ	grey	GRAN	granite
G	green	PEGM	pegmatite
ı	pink	ROCK	rock
w	white	SCHS	schist
**	Willia	00110	SCHIST
Light		Structure	
3	dark	CB	banding, compositional
5	medium	FO	foliation
7	light	V1	veins 1
		V2	veins 2
Mineral			
BI	biotite	Weathering	
CL	chlorite	0	not weathered
CP	chalcopyrite		
EP	epidote		
FD	feldspar		
HB	hornblende		
HE	hematite		
LI	limonite		
MA	magnetite		
PX	pyroxene		
QZ	quartz		
SN	sphene		
SR	sericite		
<del>-</del>			

Hole	Sample	From	То	Ag	Al	As	Au	Au1	Ba	Ва	Ca	Cd	Со	Cu	Fe	K
UNITS				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION				1	10	3	0.02	0.02	5	10	10	2	2	2	100	10
METHOD				IC3E	IC3E	IC3E	AA7	AA7	IC3E	XRF1	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E
UCD98001	FZ1528	294.3	298	Х	46800	4	X	-	50	45	21600	Х	15	12	106000	5400
UCD98001	FZ1529	298	302	Х	44900	Х	0.02	_	35	40	20300	Х	17	17	123000	3150
UCD98001	FZ1530	302	306	Χ	51200	X	Х	-	30	35	7400	Х	22	12	137000	4500
UCD98001	FZ1531	306	310	X	41700	Х	X	-	35	25	24900	Х	17	12	136000	3700
UCD98001	FZ1532	310	314	X	56000	Х	X	-	95	105	8750	Х	12	9	102000	11200
UCD98001	FZ1533	314	318	X	76500	4	Х	X	350	360	6050	Х	7	120	31100	19100
UCD98001	FZ1534	318	322	Χ	78600	6	X	-	340	350	6800	Х	7	52	32600	15200
UCD98001	FZ1535	322	326	Χ	59800	4	X	-	270	310	10800	Х	19	52	68700	12000
UCD98001	FZ1536	326	330	X	50600	X	X	•	100	105	16400	X	16	17	52600	9100
UCD98001	FZ1537	330	334	X	49000	X	X		25	15	6550	Χ	13	18	57900	1700
UCD98001	FZ1538	334	338	X	61900	Χ	X	_	280	310	6650	Х	10	28	55400	16700
UCD98001	FZ1539	338	342	Χ	73500	Χ	X	-	240	230	6350	Χ	7	76	16100	18400
UCD98001	FZ1540	342	346	Χ	79300	X	X	-	340	330	6200	Х	2	16	13600	19300
UCD98001	FZ1541	346	350	X	60700	X	X	-	260	290	14800	X	11	27	48200	15400
UCD98001	FZ1542	350	355.3	X	51400	X	X		50	50	9000	X	13	16	80400	4200

Hole	Sample	From	То	Mg	Mn	Мо	Na	Р	Pb	Rb	Rb	Sr	Sr	Ti	Zn
UNITS	1			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DETECTION				10	5	3	10	5	5	10	2	2	2	10	2
METHOD				IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	XRF1	IC3E	XRF1	IC3E	IC3E
UCD98001	FZ1528	294.3	298	4450	190	4	33000	4400	Х	20	14	44	53	1550	9
UCD98001	FZ1529	298	302	12100	230	4	31700	2800	Х	20	10	43	51	1500	11
UCD98001	FZ1530	302	306	29300	175	4	23800	1850	Х	55	41	28	32	3350	10
UCD98001	FZ1531	306	310	14100	195	4	26900	6450	Х	25	17	39	44	1500	8
UCD98001	FZ1532	310	314	9500	130	6	31100	2350	X	45	48	34	36	1100	5
UCD98001	FZ1533	314	318	5200	90	6	43500	350	10	85	97	53	57	1550	9
UCD98001	FZ1534	318	322	5550	100	6	42300	400	10	70	98	55	54	2000	5
UCD98001	FZ1535	322	326	17800	165	4	29100	1250	Х	115	210	42	46	2550	10
UCD98001	FZ1536	326	330	21500	155	6	28300	4250	Х	90	100	35	38	1800	8
UCD98001	FZ1537	330	334	22800	155	4	27500	1900	Χ	15	8	19	20	1150	10
UCD98001	FZ1538	334	338	8200	110	6	32400	750	10	110	140	38	39	1800	7
UCD98001	FZ1539	338	342	6100	110	6	39600	420	X	105	135	33	33	1000	6
UCD98001	FZ1540	342	346	1450	70	6	38400	220	5	95	140	45	47	600	6
UCD98001	FZ1541	346	350	12500	120	4	30700	4000	X	110	145	37	39	1250	7
UCD98001	FZ1542	350	355.3	13700	120	4	32400	2200	X	35	28	31	36	1600	7

Hole	From	То	Gamma	Magsus
UCD98001	294.3	295	90	15000
UCD98001	295	296	80	9000
UCD98001	296	297	100	15000
UCD98001	297	298	90	15000
UCD98001	298	299	100	20000
UCD98001	299	300	80	20000
UCD98001	300	301	80	15000
UCD98001	301	302	90	10000
UCD98001	302	303	80	5000
UCD98001	303	304	90	15000
UCD98001	304	305	110	10000
UCD98001	305	306	100	25000
UCD98001	306	307	110	20000
UCD98001	307	308	120	10000
UCD98001	308	309	80	20000
UCD98001	309	310	90	20000
UCD98001	310	311	90	20000
UCD98001	311	312	90	30000
UCD98001	312	313	110	1000
UCD98001	313	314	110	1000
UCD98001	314	315	120	2000
UCD98001	315	316	220	2800
UCD98001	316	317	250	4000
UCD98001	317	318	250	3000
UCD98001	318	319	260	3500
UCD98001	319	320	410	2000
UCD98001	320	321	400	3000
UCD98001	321	322	400	1500
UCD98001	322	323	360	4000
UCD98001	323	324	400	5000
UCD98001	324	325	150	20000
UCD98001	325	326	110	2500
UCD98001	326	327	150	1500
UCD98001	327	328	110	1600
UCD98001	328	329	90	5500
UCD98001	329	330	100	6000
UCD98001	330	331	80	3500
UCD98001	331	332	90	3500
UCD98001	332	333	90	40000
UCD98001	333	334	80	200
UCD98001	334	335	90	10000
UCD98001	335	336	100	5500
UCD98001	336	337	130	2500
UCD98001	337	338	120	10000
UCD98001	338	339	120	100

Hole	From	То	Gamma	Magsus
UCD98001	339	340	120	600
UCD98001	340	341	100	400
UCD98001	341	342	100	50
UCD98001	342	343	110	100
UCD98001	343	344	140	200
UCD98001	344	345	180	800
UCD98001	345	346	130	60
UCD98001	346	347	130	3000
UCD98001	347	348	170	3000
UCD98001	348	349	150	4000
UCD98001	349	350	120	7000
UCD98001	350	351	100	10000
UCD98001	351	352	70	35000
UCD98001	352	353	70	9000
UCD98001	353	354	70	15000
UCD98001	354	355	70	25000

# APPENDIX SIX

**Environmental and Rehabilitation Report** 

## Report

to

# **BHP Minerals Pty Ltd**

# PEAKE AND DENISON PROJECT REHABILITATION STATUS REPORT FOR 1998-1999 DRILLING ACTIVITIES

By:

Glenn Beere Cleveland Minerals Pty. Ltd. August 1999

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Figure 1: Umbum 1; drill collar at center left with fenced drill sumps.

Figure 2: Umbum 1 drill collar prior to casing being cut to 40cm below ground level.

## 1. INTRODUCTION

This report covers rehabilitation activities undertaken on eight holes drilled by BHP Minerals Pty Ltd during 1998 and 1999 on the Peake and Denison Project.

Rehabilitation activities following Primary Industries and Resources SA guidelines include hole abandonment, concealment of drill collars, back filling of drillhole sumps, drill site surface rehabilitation, and track and campsite rehabilitation.

Information contained here is current as of August 1999. A summary of the rehabilitation status for each drillhole is given in table 1. Figures 1 to 14 show various aspects of rehabilitation carried out to date.

## 2. HOLE ABANDONMENT

Drill holes were cemented up prior to the cessation of drilling activities. Generally all holes were grouted with sulphate resisting cement with the cement plug reaching from the surface to beneath the artesian sandstone aquifer. Cement was run to the required depth in most holes by using tremie line (black poly pipe or 40mm PVC), with Umbum 1 being the only hole to be pressure grouted.

## 3. CONCEALMENT OF DRILL COLLARS

Casing was cut off to be below ground level in all holes except two. Casing was cut with an oxy-acetylene set to be generally 30 to 50cm below the natural surface. Small steel pieces were left in each hole to aid in their relocation with metal detectors. Collars are marked otherwise with wooden stakes.

Some collar excavations were left open to be filled during the last stage of drill site rehabilitation.

## 4. DRILLSITE REHABILITATION

Sump backfilling and site leveling had been completed at Umbum1.

## 5. ACCESS TRACK REHABILITATION

All drillholes required new access tracks.

Consensus opinion from local landholders is that the tracks are best left as is, and there are no plans to rehabilitate them. The opinion is drawn from discussions with the managers of both Peake Station and Anna Creek station, together with advice from a senior field technician with BHP.

## 6. CAMPSITE REHABILITATION

Drillers and geotechnical staff camped in the same area for the 1998 and 199 drill programmes (co-ordinates 6858400N 640000E). Camp waste was disposed off and burnt in a 1m deep pit, with larger items dumped at the William creek rubbish pit. The site was tidied prior to departure.

Arrangements have been made with the manager of Anna Creek Station to backfill the pit.



Figure 1: Umbum 1; drill collar at center left with fenced drill sumps.

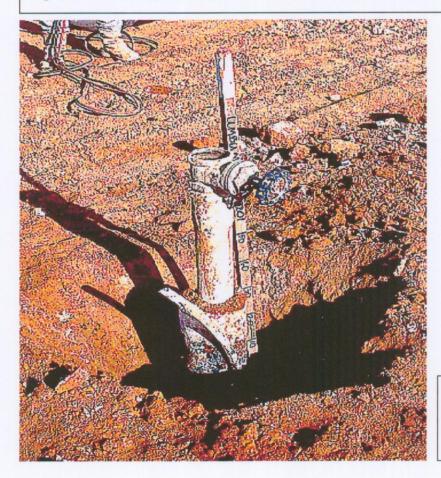


Figure 2: Umbum 1 drill collar prior to casing being cut to 40cm below ground level.

# APPENDIX SEVEN

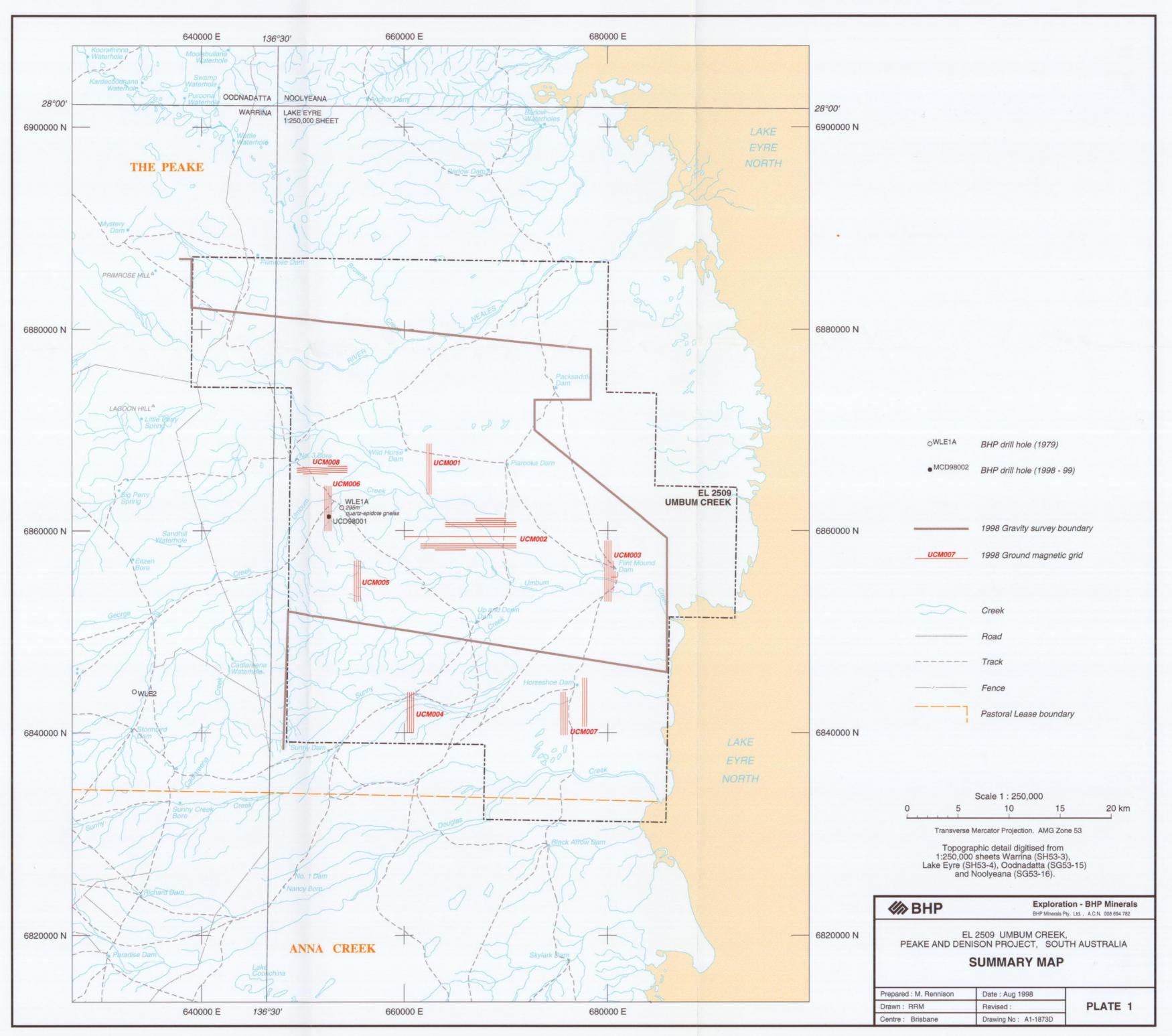
**Expenditure Report** 

## **Exploration Expenditure Report**

Tenement Name: Umbum Creek
Tenement Number: EL 2509
Period from: 16 April 1998
Period to: 15 April 1999

	Selected Period	Life to Date
Wages and Salaries	\$37,026	\$41,049
Field Support	\$15,902	\$17,776
Drilling **	\$86,128	\$86,128
Vehicles	\$4,264	\$4,447
Equipment	\$1,475	\$1,525
Geochemistry	\$2,191	\$2,191
Geophysics	\$74,312	\$74,312
Surveys	\$56	\$56
Field Office/Operations Running Costs	\$2,752	\$2,800
Information Services	\$0	\$400
Other	<b>\$4,434</b>	\$13,814
Consultants/Contractors	\$13,285	\$13,285
Computer Expenses	\$150	\$150
Unallocated Costs 2	\$1,242	\$1,242
Specialist Services Group	\$8,724	\$8,999
Admin & Office Overheads (10%)	\$25,194	\$26,817
TOTAL EXPENDITURE	\$277,135	\$294,991

<sup>\*\*</sup> Note: Due to a misallocation, Drilling Costs of \$71,128 reported for 6 months to 15.4.99 were under-reporte by \$15,000. Drilling Costs for 6 months to 15.4.99 were \$86,128 and total expenditure for that period was \$141,836 Therefore, expenditure for 6 months to 15.10.98 of \$135,299 plus expenditure for 6 months to 15.4.99 of \$141,836 equals \$277,135 as shown above for 12 months to 15.4.99.





## **Rio Tinto Exploration Pty. Limited**

ABN 76 000 057 125 / ACN 000 057 125

A member of the Rio Tinto Group

Final Report
for the Period Ending 15<sup>th</sup> April 2003,
EL2509 Umbum Creek,
Peake and Denison Farm-In and Joint Venture
Copper-Gold Programme,
Warrina SH53-03, Lake Eyre SH53-04,
South Australia

**Exploration Report No. 27153** 

Tenement Holder: Rio Tinto Exploration Pty Limited

Date: November 2004

Author: S R Bishop

Submitted: D C Palmer

Distribution: PIRSA Minerals & Energy Resources

BHP Billiton – Brisbane

RTE Perth Information Centre

Phelps Dodge Australasia Inc - Sydney

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1:1 000 000

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Tenement Location

WAp46178

### 1 SUMMARY

EL 2509 Umbum Creek lies along the margin of the Proterozoic Peake and Denison Inlier that is considered prospective for giant-scale iron oxide-copper-gold (IOCG) style deposits. The tenement forms part of the Peake and Denison farm-in and joint venture copper-gold programme between Rio Tinto Exploration (RTE) and BHP-Billiton (BHPB).

During the current reporting period no ground-based exploration work was carried out by RTE on EL 2509. RTE has instigated discussions with farm-in partners for the project area on the basis that various untested exploration targets remain prospective for large-scale IOCG mineralisation.

EL 3077 Umbum Creek replaced EL 2509 Umbum Creek on the expiry of the latter tenement on 15<sup>th</sup> April 2003.

#### 2 CONCLUSIONS AND RECOMMENDATIONS

RTE has decided to seek a farm-in partner for the Peake and Denison IOCG Project on the basis that the eastern portion of the project area (that incorporates EL 2509) remains prospective for large IOCG deposits.

Residual potential also remains for small- to medium-sized IOCG targets around the margins of the exposed Peake and Denison Inlier in areas of less than 200m Phanerozoic cover, but are not of immediate interest to RTE.

#### 3 INTRODUCTION

This final annual report describes the exploration completed by RTE within EL 2509 Umbum Creek for the period 31<sup>st</sup> December 2002 to 5<sup>th</sup> April 2003. EL 2509 along with EL 2549 Mt Denison, EL 2557 Wood Duck Creek, EL 2596 Mt Toodla, and EL 2620 Mt Charles constitutes the Peake and Denison farm-in and joint venture copper-gold programme. The project area is subject to a Farm-in and Joint Venture Agreement between RTE and BHP-Billiton that commenced on 12th May 2000, with RTE acting as manager and operator.

EL 3077 Umbum Creek replaced EL 2509 Umbum Creek on expiry of the latter tenement on the 15<sup>th</sup> April 2003.

EL2509 Umbum Creek is located on the western margin of Lake Eyre in northern South Australia, 60 km northeast of William Creek (Plan WAp46178). The tenement overlies portions of the Warrina SH53-03 and and Lake Eyre SH53-04 1:250,000 map sheets. Access is via station tracks north from William Creek and east from the Peake homestead via the Oodnadatta Track. The region is the subject of a Native Title claim by the Arabunna People (Claim SC98/002).

The Peake and Denison Project incorporates and surrounds the Proterozoic Peake and Denison Inliers that are considered prospective for giant iron oxide-copper-gold (IOCG) style deposits.

### **4 LICENCE DETAILS**

Table 1: Tenement Details

Name	Tenement No.	Grant Date	Expiry Date	Area (km²)
Umbum Creek	EL 2509	16/04/1999	15/04/2003	2048

#### 5 GEOLOGY AND MINERALISATION

EL 2509 is located on the rifted northeast margin of the Gawler Craton within the northwest extension of the Adelaide Orogenic Belt, midway between the Musgrave Block and Curnamona Craton.

The project area lies along the margin of the Proterozoic Peake and Denison Inliers comprised of Palaeoproterozoic metamorphosed volcano-sedimentary rocks surrounded by Neoproterozoic brecciated lithologies. Palaeoproterozoic (1800-1780 Ma) basement lithologies are exposed within the inliers as large enclaves surrounded by Neoproterozoic "diapiric" breccias and further to the east as isolated exposures at Spring Hill, Mt Charles, Lagoon Hill and Milne Springs. The basement rocks are dominated by interlayered metabasalt and quartzite with subordinate porphyritic rhyolite, granite, phyllite, schist and calcsilicate.

A second volcano-sedimentary cycle is recognised at 1750-1740 Ma equated with the Wallaroo Group of the Northern Yorke Peninsula. These rocks comprise felsic metavolcanics, quartz-feldspar schist, gneiss, calcsilicate and quartzite. Anorogenic felsic plutonism around 1530 Ma is evident within the inliers but is restricted to an occurrence of massive to coarse-grained

granite and aplite dykes at Lagoon Hill. The age of these intrusives is important and provides evidence for potential fluid/metal sources with a spatial and temporal relationship to known IOCG mineralising events.

Drilling in the vicinity of Spring Hill, Lagoon Hill, Davenport Creek and Umbum Creek prospect has revealed that the rock sequences have been subjected to high temperature Na-Ca-Fe alteration, overprinted by retrograde actinolite-chlorite-epidote assemblages and partial oxidation of magnetite by haematite. Later stage and overprinting quartz-carbonate-biotite-sulphide (K-alteration) formed in shears and veins has been subjected to weak supergene upgrade (e.g. Davenport Creek).

The inliers also contain a large number of historic small pits and shafts that were developed on copper oxide mineralisation hosted by structurally controlled quartz-haematite veins and haematite breccia pipes. The haematitic (+/- quartz, copper) veins of uncertain age generally trend north-northwest. The trend of haematite veins is similar to the trend of old copper workings. Quartz-only veins generally strike in a northeast direction. Copper mineralisation in the Denison Inlier appears to be associated with buck white quartz veins in mafic volcanics.

The rock types and their metamorphic and metasomatic alteration paragenesis draws similarities to Proterozoic sequences in the Olary Inlier and the Eastern Succession of the Mt Isa Inlier.

Mesozoic sediment cover of the Eromanga Basin largely conceals the Proterozoic metamorphic basement to the east and west of the inliers. Tertiary gibber lag, gypsiferous clays, alluvial gravels, silts/clays, aeolian dune sands, lacustrine and mound spring deposits overlie the Mesozoic sediments and dominate the surficial cover away from the inliers.

#### 6 PREVIOUS EXPLORATION

Chevron, Dampier Mining, CRAE, Pancontinental Gold and BHP Minerals have previously explored the Peake and Denison Inliers and immediate surrounds for copper, gold or uranium. Pancontinental Gold tested an intense magnetic anomaly at Davenport Creek prospect that returned a narrow drill hole intersection of 3m at 2.75% Cu from 330m depth (Loftus and White, 1999; White, 2000).

During 2000 and 2001 RTE focussed most of its exploration effort within the larger Peake and Denison IOCG project area, testing large IOCG targets under shallow cover along the western

margin of the Peak and Denison Inlier (Chapman et. al., 2001; Christie et. al., 2001). During this period the main exploration activities directed at EL 2509 included regional data compilation and interpretation. This work indicated that; i) there are small- to medium-sized IOCG targets in areas of less than 200m of Phanerozoic cover sediments that remain to be tested; and ii) there are larger-scale IOCG targets at greater than 200m depth that remain yet to be adequately tested. The range of IOCG targets identified all fall outside of key exploration criteria set by RTE so none are of immediate interest to the company.

During 2002 no additional exploration was carried out within EL 2509. The EL was packaged along with the adjacent Peake and Denison IOCG project tenements owned jointly by RTE and BHP-Billiton and offered to interested parties as a farm-in opportunity (Bishop, 2003).

#### 7 WORK COMPLETED DURING REPORTING PERIOD

No ground-based exploration work was carried out during the reporting period within EL 2509. Farm-out negotiations are being held with interested parties on the Peake and Denison IOCG tenement block that includes EL 2509.

### **8 ENVIRONMENT**

An Environmental Management Plan (EMP) that incorporated EL 2509 was completed in 2000 (Zwart and Raddock, 2000) while a Final Environmental Report (FER) was completed in late 2001 (Christie, 2001). The latter report detailed rehabilitation activities completed by RTE within the Peake and Denison IOCG Project. No ground disturbing work was undertaken by RTE within the project area since the final rehabilitation report compiled by Christie (2001).

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Final Report for the Period Ending 15<sup>th</sup> April 2003, EL2509 Umbum Creek, Peake and Denison Farm-In and Joint Venture, Copper-Gold Programme, Warrina SH53-03, Lake Eyre SH53-04, South Australia.

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## 9 EXPENDITURE STATEMENT

Table 2: Tenement Expenditure 1/1/2003 to 15/04/2003

Description	Total
Cont Exploration- Ext	140.53
Gen Office Supp & Comm	44.84
Indirect Costs	32.35
Tenement Payments	7,425.45
Travel & Accomodation	29.03
Grand Total	7,672.20

#### **REFERENCES**

- Bishop S.R., 2003. Third annual combined report for the period ending 31st December 2002, EL 2509 Umbum Creek, EL2549 Mt Denison, EL 2557 Wood Duck Creek, EL 2596 Mt Toodla, EL 2620 Mt Charles, Peake and Denison farm-in and joint venture copper-gold programme, Oodnadatta SG53-15, Noolyeana SG53-16, Warrina SH54-03, Lake Eyre SH53-04, South Australia. Rio Tinto Exploration Pty Limited Report No. 25805.
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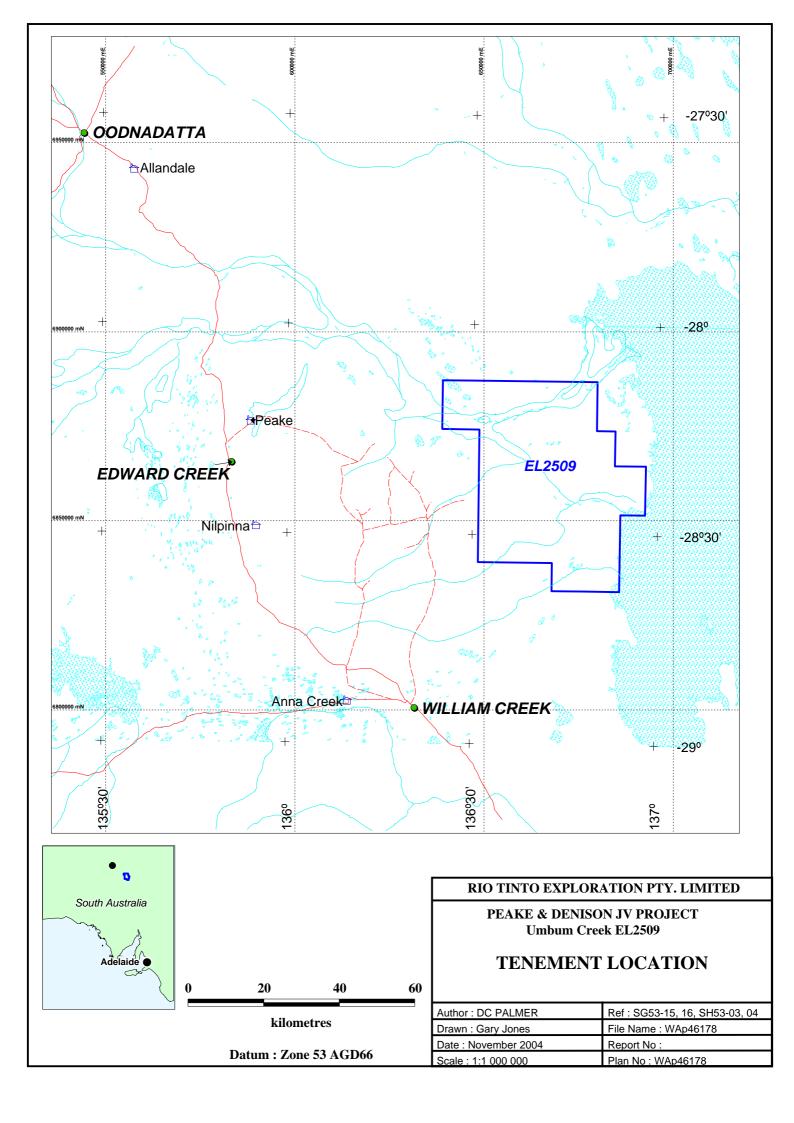
	<b>LOCALITY</b>	
Warrina	SH53-03	1:250,000
Lake Eyre	SH53-04	1:250,000
Umbum	6141	1:100,000
Piarooka	6241	1:100,000
Douglas	6240	1:100,000

### **DESCRIPTOR**

This is the Final Annual Report for the period ending 15<sup>th</sup> April 2003 for EL 2509 Umbum Creek that forms part of the Peake and Denison IOCG Project, a Joint Venture between BHP-Billiton and Rio Tinto Exploration. No ground-based exploration was completed during the reporting period. Farm-out of the project is in progress.

### **KEYWORDS**

Copper, Gawler Craton, Farm-out, Gold, Haematite, Iron oxide, Magnetite, Peake and Denison Inliers, Proterozoic



### **SUMMARY**

EL 2509 Umbum Creek lies along the eastern margin of the Proterozoic Peake and Denison Inlier considered prospective for giant-scale iron oxide-copper-gold (IOCG) style deposits. The tenement forms part of the Peake and Denison farm-in and joint venture copper-gold programme between Rio Tinto Exploration (RTE) and BHP-Billiton.

During the current reporting period no ground-based exploration work was carried out by RTE on EL 2509. RTE held discussions with farm-in partners to continue exploration within the project area on the basis that various untested exploration targets are prospective for IOCG style mineralisation.

EL 3077 Umbum Creek replaced EL 2509 Umbum Creek on the expiry of the latter on 15<sup>th</sup> April 2003.

# **VERIFICATION LISTING**

Exploration Work Type	File Name	Format
Office Studies	riie Name	Folillat
Literature search		
Database compilation		
Computer modelling		
Reprocessing of data		
General research		
Report preparation	27153 Umbum Creek	.pdf
Other (Plans)	WAp46178 (Tenement Location)	.pdf
Airborne Exploration Surveys		·
Aeromagnetics		
Radiometrics		
Electromagnetics		
Gravity		
Digital terrain modelling		
Other (specify)		
Remote Sensing		
Aerial photography		
LANDSAT		
SPOT		
MSS		
Radar		
Other (specify)		
Ground Exploration Surveys		
Geological Mapping		
Regional		
Reconnaissance		
Prospect		
Underground		
Costean Ground Geophysics		
Radiometrics		
Magnetics		
Gravity		
Digital terrain modelling		
Electromagnetics		
SP/AP/EP		
IP		
AMT		
Resistivity		
Complex resistivity		
Seismic reflection		
Seismic refraction		
Well logging		
Geophysical interpretation		
Other (specify)		<u> </u>
Geochemical Surveying		
Drill sample		
Stream sediment		
Soil		
Rock chip		
Regolith		
Water		
Biogeochemistry		
Isotope		
Whole rock		
Mineral analysis		
Other (specify)		
Drilling		
Aircore		
Auger		
Diamond Reverse circulation		
Rotary air blast Rotary percussion		
Tungsten carbide bit (coring)		
Groundwater drilling		
All drilling		
File Verification Listing (this table)	27153 Umbum Creek V	.pdf
The Fermication Listing (this table)	Er 100 Ombulli Oldek v	.pui