Annual Report

Reporting Period: 13/02/2007 to 12/02/2008

Tenement Number(s): EL 3702

Project: Wanilla

Tenement Holder(s):	Intermet Resources
Operator:	Uranoz Ltd
Author of Report:	Darin Rowley
Date of Report:	06/04/2009

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(Aero Magnetic and Radiometric data - see Government of SA Mineral Resources Website)

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Office Studies		
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Database compilation	080302_EL3702_Annual Report.pdf	pdf
Computer modelling	080302_EL3702_Annual Report.pdf	pdf
Reprocessing of data	080302_EL3702_Annual Report.pdf	pdf
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Geochemical Surveying		
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File Verification Listing	080302_EL3702_Annual Report.pdf	pdf

1. SUMMARY

EL 3702 is located within the Eyre Peninsula. Intermet has targeted EL 3702 for Archaean komatiite-hosted nickel, volcanic hosted massive sulphides (base metals), orogenic lode gold, Iron and sedimentary (rollfront) uranium mineralisation. Work for this reporting period was exploration for sedimentary-style uranium deposits by Intermet's Joint Venture Partner Uranoz. The points below summarises this work. Figure 1 shows the location of the tenement.

- Water sampling and multi element analysis. 64 samples were collected from water bores and multi element analysed. Sample locations are shown in Figure 3 and sample details are shown in Appendix 4. Groundwater samples suggest groundwater U include both leaching from felsic igneous basement minerals and from sediment hosted accumulations previously deposited from these groundwaters.

- Aeromagnetic and Radiometric survey. This survey was a high-resolution with 100m line spacing and has provided high quality data which will assist defining basement structures which may have an influence on the morphology of palaeochannels within the tenement.11678 line km were flown.

- A soil sampling program was conducted. Unfortunately, during the acquisition of Intermet Resources by Hillgrove Resources in August 2008, the soil sampling data was lost.

2. INTRODUCTION, HISTORY AND EXPLORATION RATIONALE

EL3702 is located approximately 45km NW of Port Lincoln in South Australia. The tenement is located along the Tod Highway, overlies the townships of Wanilla among others and is 1024km^2 in size. This tenement forms part of the Wanilla project which includes ELs 3948, 3314 and 3671. Sheet names for the project area are Lincoln Special (1:250000) and Cummins / Lincoln (1:100000). Figure 1 shows the location of EL 3702.

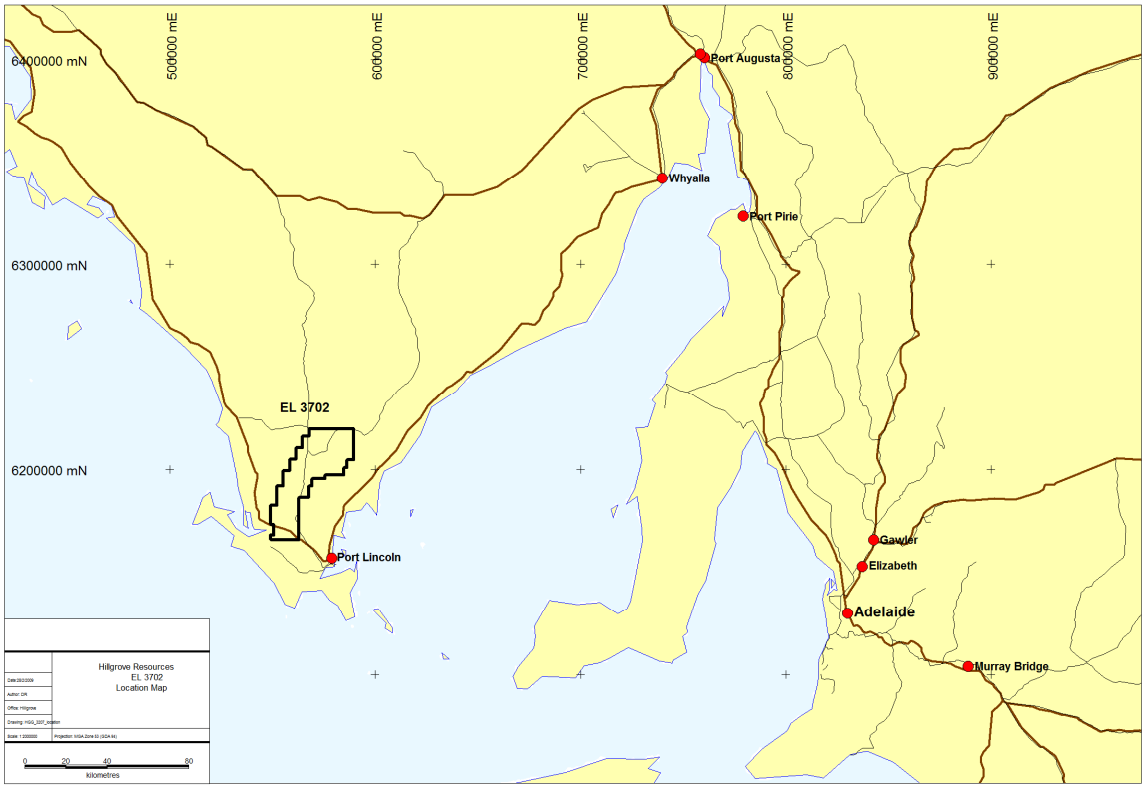


Figure 1: Location of EL 3702

EL 3702 was granted on the 13/02/2007 to Intermet Resources. Intermet resources has subsequently Joint Ventured the rights for Uranium exploration to Uranoz, who are required to spend a minimum of $250 000. Uranoz can than earn 51% of the Uranium rights over EL 3702 by spending $750 000 in 2 years and can earn up to 80% by investing $2 000 000.

Previous exploration for uranium within the area of EL 3702 was initiated on the encouraging combination of suitable Tertiary aquifers, the presence of reduced organic material within them, and the indication of uranium enrichment in the basement rocks, particularly in the Lincoln Complex granitoids in the eastern Eyre Peninsula. Current exploration is focused on sedimentary “roll-front” style uranium mineralisation similar to that discovered elsewhere on the Gawler Craton e.g. Warrior, Yarramba) and in the Eyre Formation further to the east (e.g. Honeymoon).

3. GEOLOGY

The description given below of the regional geological setting within the Frome Embayment is taken directly from McKay & Miezitis, 2001.

3.1. Regional Geology

The Frome Embayment is a lobe on the southern part of the Callabonna Sub-basin which is the south-western portion of the Lake Eyre Basin (Callen & others,1995). The Callabonna Sub-basin comprises Tertiary shallow-water sediments. The Flinders, Olary and Barrier Ranges flanking the embayment, consist mainly of Precambrian to Cambrian metamorphic and sedimentary rocks which contain many small uranium deposits and widespread disseminated uranium mineralisation.

During the early Tertiary, well-sorted sand (Eyre Formation) was deposited as a thin, laterally continuous horizon covering the full width of the Sub-basin in the north. In the south, the Eyre Formation equivalents are angular, poorly sorted, fluvial sand and interbedded clay and silt deposited in major stream channels of restricted extent (Brunt, 1978). The channels were incised into Precambrian basement and marine clay of the Late Cretaceous Marree Subgroup. Clay, sand and dolomite of the Namba Formation (Miocene) formed a continuous sequence disconformably overlying the channel sediments (Callen & Tedford, 1976). A thicker sequence of the Namba Formation accumulated closer to the Flinders Ranges to form the small Poontana Sub-basin.

The Honeymoon, East Kalkaroo, Yarramba and Goulds Dam deposits are in palaeochannel sand of the Eyre Formation (Palaeocene.Eocene), whereas the Beverley deposit is in sand of the overlying Namba Formation (Miocene) (Table 1). The palaeochannels in the southern part of the Frome Embayment flank a structural high in the underlying basement, the Benagerie Ridge.

The Lincoln 1 : 250000 government geology shows the regional geology of the tenement area and can be downloaded from Geoscience Australia. A generalized stratigraphic column for the Frome Embayment is given below.

		Age	Lithology	Average thickness (m)	Uranium deposits
Callabonna Sub-basin (Lake Eyre Basin)	Coonarbine, Eurinilla, Millyera Formation & other units	Pleistocene to Recent	Soil, dune sand, sand, clay, gravel, calcrete, gypcrete	Variable, thin	
	Willawortina Formation	Late Miocene to Early Pleistocene	Clay, sand, sandy conglomerate and dolomite	0–150	
	Namba Formation	Miocene	Silt & clay, with minor sand, limestone, dolomite	200	Beverley
	DISCONFORMITY				
	Eyre Formation	Early Palaeocene to Late Eocene	Sand & sandstone, some pebble beds	10–75	Honeymoon, East Kalkaroo, Yarramba, Goulds Dam
UNCONFORMITY					
Eromanga Basin	Maree Subgroup	Cretaceous	Shale and siltstone	150–275	
	Cadna-Owie Formation & Algebuckina Sandstone	Jurassic to Cretaceous	Shale, sand, silt and boulder lenses	Variable	

Table 1: Simplified stratigraphy of the Frome Embayment. Taken from McKay & Miezitis, 2001, pp.96 (after Drexel & Preiss, 1995).

3.2. Exploration Model

A generalised model for the formation of these uranium deposits can be applied, (e.g. Hou & Alley, 2003 shown below in Figure 2) although each occurrence will obviously vary in its detailed setting. Tertiary channel sands were derived from eroded basement rocks of the Gawler Craton, many of which are enriched in uranium. These sands contain a high organic carbon content which reflects the abundant vegetation along the channels and in major swamps. The reduced, alkaline ground waters fixed uranium which was then remobilised by oxidised waters moving through the sealed aquifers. Uranium was precipitated at the redox boundary between the oxidised and reduced sequences. Deposits could be formed as typical roll-front bodies, tabular zones in contact with locally preserved reduced sections (for example the outside of major bends in the channel course as at Honeymoon), or in interbedded oxidised sand and carbonaceous clay sequences (Figure 3). Channels that are draining bedrock containing uranium – REE enriched lithologies such as the Hiltaba Suite granitoids or equivalents would be of highest priority.

3.3. Interpreted Paleochannel Locations

Desktop studies of geology and topography maps combined with field data collected during sampling of groundwater from water bores defined areas that are interpreted as paleochannels. The location of these interpreted paleochannels is shown in Figure 3 below.

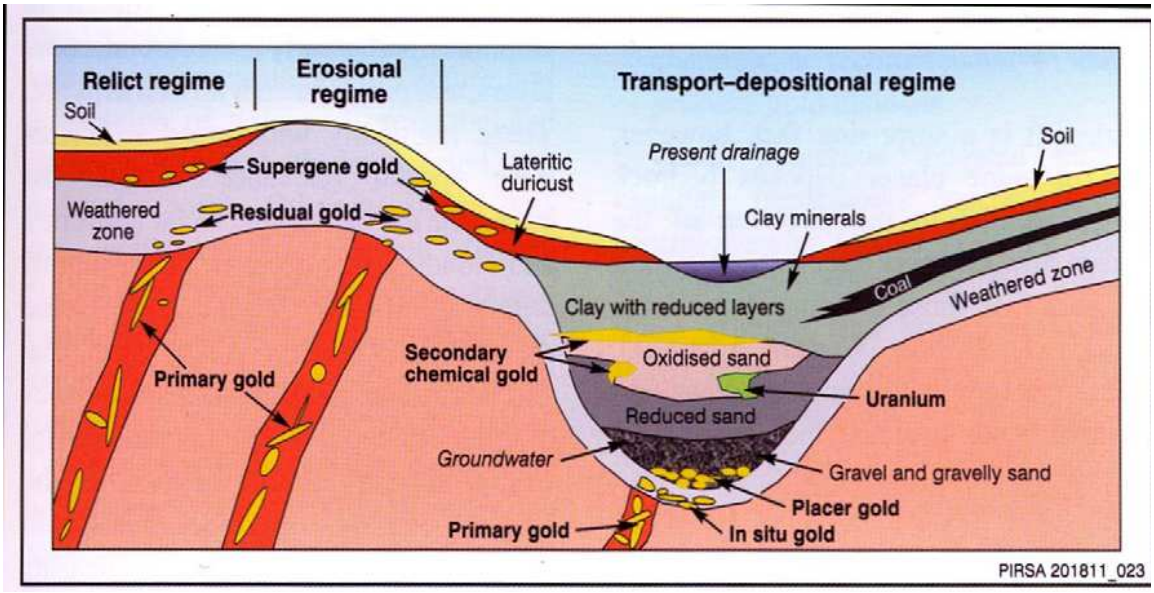


Figure 2: Idealised section through Tertiary Palaeochannel (after Figure 4, Hou & Alley, 2003)

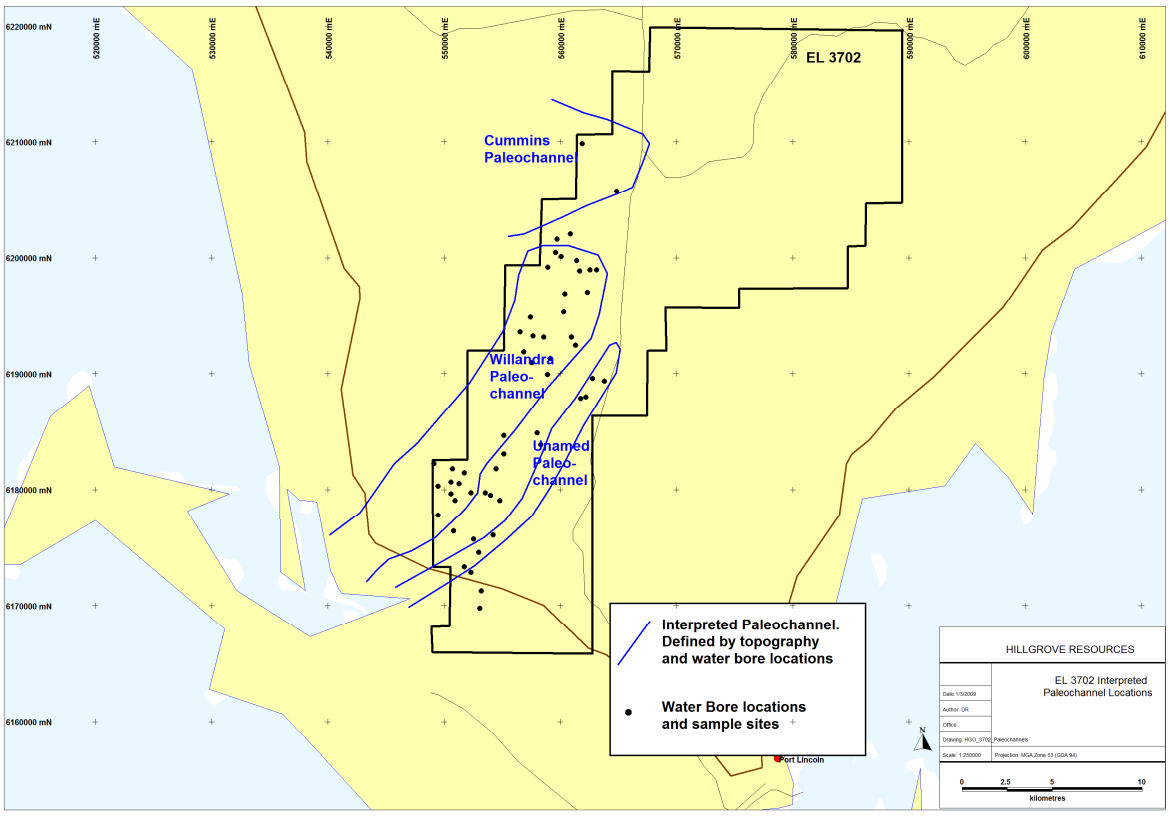


Figure 3: EL 3702 Interpreted Paleo Channel Locations

4. GEOPHYSICS

UTS Geophysics conducted a detailed low level airborne geophysical survey for Uranoz / Intermet Resources between the 20th September 2007 and the 4th October 2007. The survey was flown using the MGA (GDA94) coordinate system. 100m east-west lines were flown with north-south tie lines every 1000m. Sensor height was 50m. Radiometric, magnetic and digital terrain data were collected and processed. Appendix 1 is a report on the logistics and data processing techniques employed for the survey. Appendix 1 also provides an overview of the results of the airborne survey. Appendix 2 is the magnetic field data in a ".DAT" file. Appendix 3 is the radiometrics field data in a ".DAT" file.

Figure 4 shows a shaded total magnetic image with interpreted paleo channel locations. Figure 5 shows a radiometrics U count image with interpreted paleo channel locations.

(Aero Magnetic and Radiometric data - see Government of SA Mineral Resources Website)

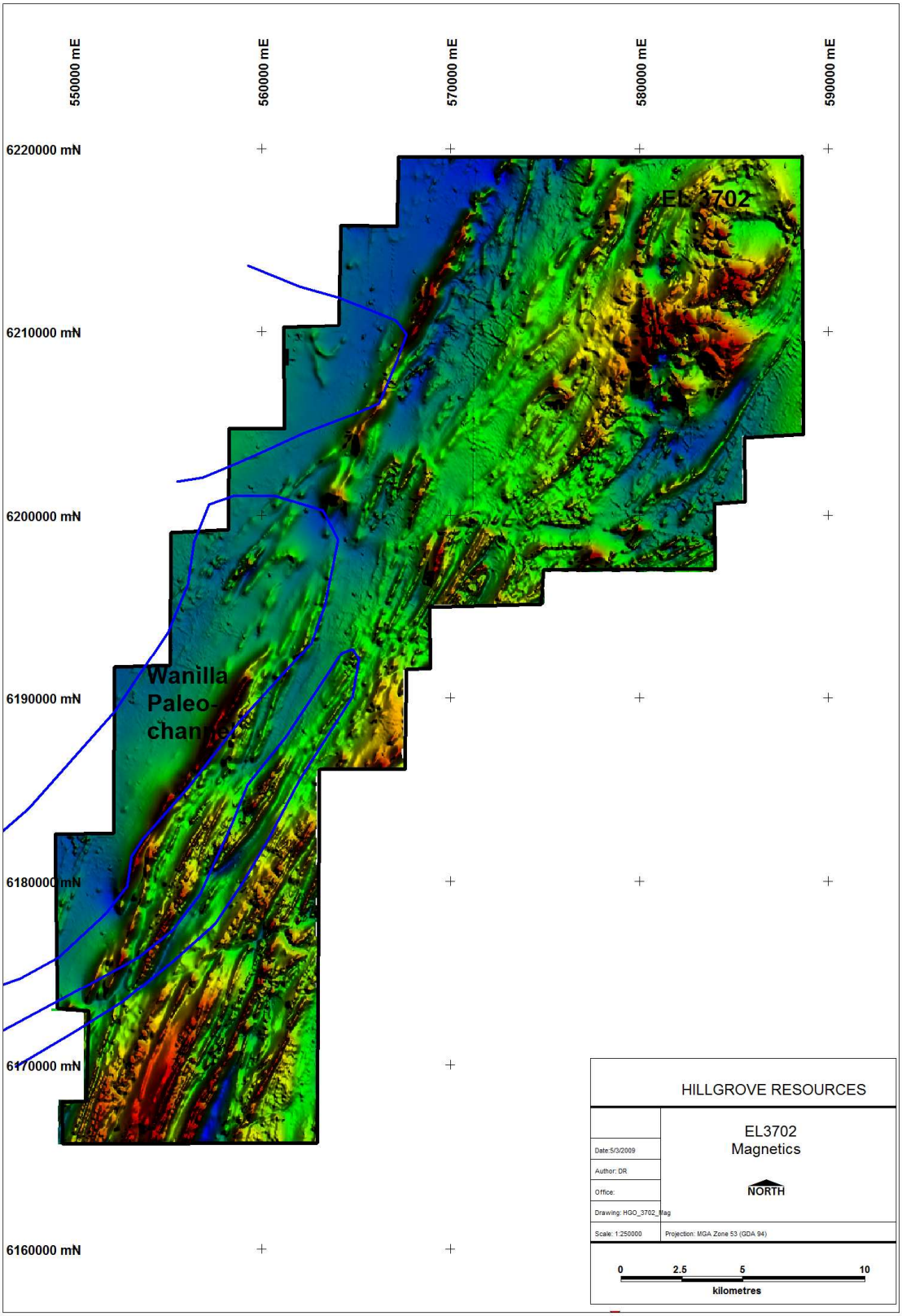


Figure 4: EL 3702 Shaded total magnetics image

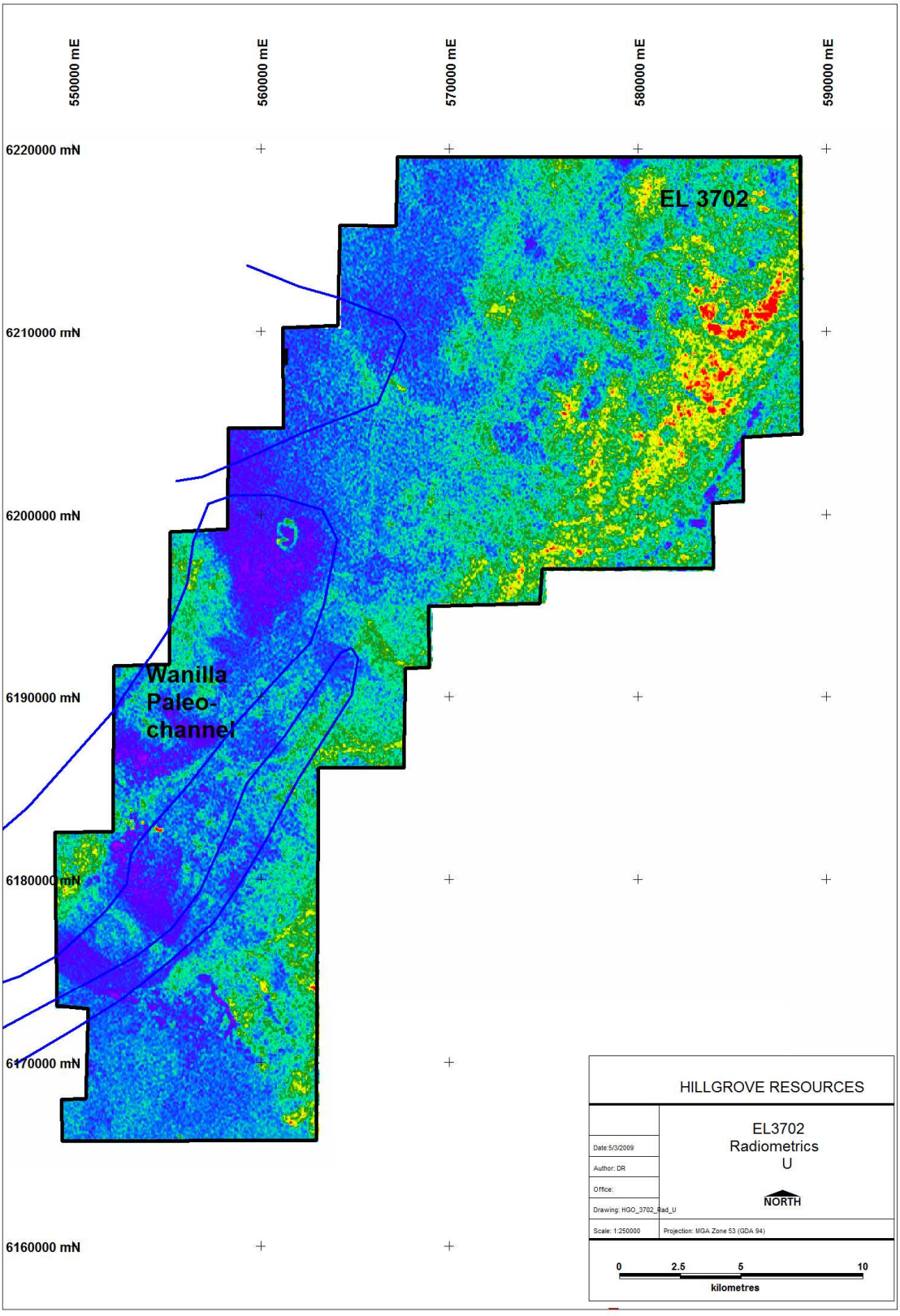


Figure 5: EL3702 Radiometrics – Shaded uranium count

5. REMOTE SENSING DATA

Not applicable

6. SURFACE GEOCHEMISTRY

Groundwater samples were collected from 64 water bores. Sample sites and Uranium in groundwater results are shown in figure 7 (below), tabulated in Appendix 4 and attached as a text file (“Append4_EL3702_Water_Samples”).

7. DRILLING

Not applicable

8. INTERPRETATION

Australian U deposits have generally been directly or indirectly associated with nearby U enriched felsic igneous rocks of ages from Archaean to mid Phanerozoic. Archaean to early Proterozoic basement underlies locations of all wells sampled for this Coulta data set.

Figure 7 shows the U results (U ppb) of the groundwater survey over EL 3702. The most anomalous U in water concentration is seen in or adjacent to the Wanilla paleochannel. This groundwater data set suggests various scenarios for the occurrence of as yet un-discovered palaeodrainage hosted U deposits associated around the Wanilla palaeochannels. Sources of groundwater U in the sample set include both leaching from felsic igneous basement minerals and from sediment hosted accumulations previously deposited from these groundwaters.

Some sampled locations provided groundwaters that geochemically matched groundwaters from Goulds Dam and Honeymoon style U deposits.

Figure 7 outlines a U in paleochannel target area. An airborne radiometrics U count anomaly within an interpreted paleochannel has anomalous U in groundwater geochemistry. Further work in this area is warranted.

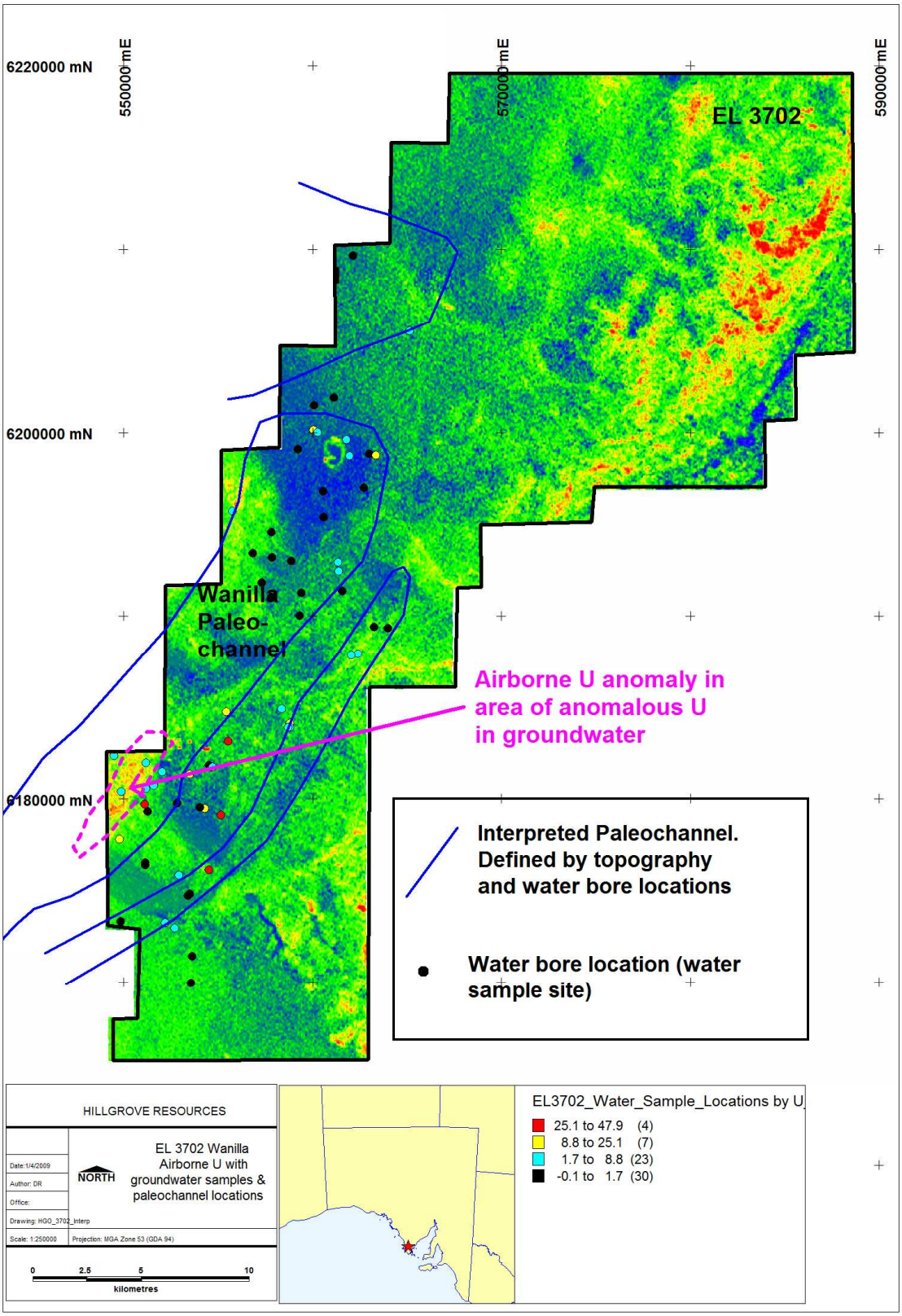


Figure 6: EL 3702 U (ppb) in groundwater over radiometrics – shaded U count

9. ENVIRONMENT

Exploration work undertaken for the reporting period had insignificant to no environmental impact.

10. REPORTING ON ORE RESERVES AND RESOURCES

Not applicable

11. EXPENDITURE STATEMENT

Below is a detailed expenditure statement for the reporting period 13/02/07 to 12/02/08 on EL 3702. Cumulative expenditure for EL 3702 is $209,974

Activity	Expenditure
Personnel – Geologists, consultants, field hands	$ 13,283.00
Tenement maintenance, legal costs	$ 6,180
Geophysics (UTS)	$164,134
Field Expenses	$ 1,370
Assays, interpretation of geochemical results	$ 2,510
Admin/overheads	$ 22,497
Total	**$209,974.00**

Table 2: Expenditure Statement for EL 3702 for the period 13/02/07 to 12/02/08

12. CONCLUSIONS

Results from airborne radiometrics, groundwater sampling and desk top studies have defined a radiometrics U count anomaly within a paleochannel that contains anomalous U in groundwater geochemistry (Figure 7). Further work is warranted in this area.

13. REFERENCES

Hou, B. and Alley, N., 2003, A model for gold and uranium dispersion and concentration in residual and transported regolith along palaeodrainage systems – a case study from the central Gawler Craton, MESA Journal, 30: 49-53.

McKay, A.D. & Miezitis, Y., 2001. Australia's uranium resources, geology and development of deposits. AGSO . Geoscience Australia, Mineral Resource Report 1.

14. APPENDIX 1: GEOPHYSICAL REPORT

See attached electronic file "Append1_EL3702_Airborne_Geophysics_Report". This report details the logistics, data acquisition operations and processing.

Logistics Report

for a

DETAILED AIRBORNE MAGNETIC, RADIOMETRIC AND DIGITAL TERRAIN SURVEY

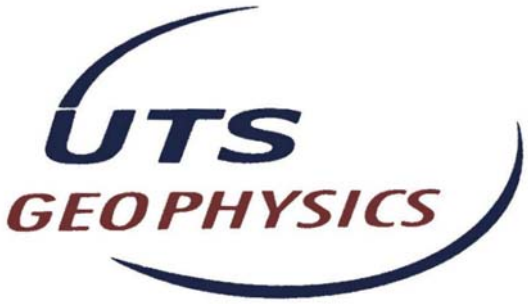
for the

WANILLA (EL3702) PROJECT

carried out on behalf of

INTERMET RESOURCES

by



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1 GENERAL SURVEY INFORMATION

UTS Geophysics conducted a low level airborne geophysical survey for the following company:

InterMet Resources
262-266 Pirie Street
Adelaide, South Australia 5000

Acquisition for this survey commenced on the 20th September 2007 and was completed on the 4th October 2007. The base location used for operating the aircraft and performing in-field quality control was Port Lincoln, South Australia.

2 SURVEY SPECIFICATIONS

The area surveyed was located near Port Lincoln in South Australia. The survey was flown using the MGA94 coordinate system (a Universal Transverse Mercator projection) derived from the Geocentric Datum of Australia and was contained within zone 53 with a central meridian of 135 degrees. Details of the datum and projection system are provided in Appendix B of this report. Survey boundary coordinates are listed in Appendix C.

The survey data acquisition specifications for each area flown are specified in the following table:

PROJECT NAME	LINE SPACING	LINE DIRECTION	TIE LINE SPACING	TIE LINE DIRECTION	SENSOR HEIGHT	TOTAL LINE KM
Wanilla (EL3702)	100m	090-270	1000m	000-180	50m	11,678
TOTAL						**11,678**

The specified sensor height for the magnetic samples is as stated in the above table. This sensor height may be varied where topographic relief or laws pertaining to built up areas do not allow this altitude to be maintained, or where the safety of the aircraft and equipment is endangered.

3 AIRCRAFT AND SURVEY EQUIPMENT

The UTS navigation flight control computer, data acquisition system and geophysical sensors were installed into a specialised geophysical survey aircraft.

The list of geophysical and navigation equipment used for the survey is as follows:

General Survey Equipment

- Cessna 210 fixed wing survey aircraft.
- UTS proprietory flight planning and survey navigation system.
- UTS proprietory high speed digital data acquisition system.
- Novatel 3951R, 12 channel precision navigation GPS.
- OMNILITE 132 real time differential GPS system.
- UTS LCD pilot navigation display and external track guidance display.
- UTS post mission data verification and processing system.
- Bendix King KRA-10 radar altimeter.

Magnetic Data Acquisition Equipment

- UTS tail stinger magnetometer installation.
- Scintrex Cesium Vapour CS-2 total field magnetometer.
- Fluxgate three component vector magnetometer.
- RMS Aeromagnetic Automatic Digital Compensator (AADC II).
- Diurnal monitoring magnetometer (Scintrex Envimag).

Radiometric Data Acquisition Equipment

- Exploranium GR-820 gamma ray spectrometer.
- Exploranium gamma ray detectors.
- Barometric altimeter (height and pressure measurements).
- Temperature and humidity sensor.

3.1 Survey Aircraft

The aircraft used for this survey was a Cessna 210 fixed wing survey aircraft, operated by UTS Geophysics, registration VH-TKQ. The specifications are as follows:

Power Plant

- Engine Type — Continental, IO-520
- Brake Horse Power — 285 bhp
- Fuel Type — AV-GAS

Performance

- Cruise speed — 150 Kn
- Survey speed — 130 Kn
- Stall speed — 60 Kn
- Range — 1185 Km
- Endurance (no reserves) — 5.2 hours
- Fuel tank capacity — 246 litres

3.2 Data Positioning and Flight Navigation

Survey data positioning and flight line navigation was derived using real-time differential GPS (Global Positioning System).

Navigation was performed using a UTS designed and built electronic pilot navigation system providing computer controlled digital navigation instrumentation mounted in the cockpit as well as an externally mounted track guidance system.

GPS derived positions were used to provide both aircraft navigation and survey data location information.

The GPS systems used for the survey were:

- Aircraft GPS Model — Novatel 3951R
- Sample rate — 0.5 Seconds (2 Hz)
- GPS satellite tracking channels — 12 parallel
- Typical differentially corrected accuracy — 1-2 metres (horizontal)
3-5 metres (vertical)

3.3 UTS Data Acquisition System and Digital Recording

All geophysical sensor data and positional information measured during the survey was recorded using a UTS developed, high speed, precision data acquisition system. Survey data was downloaded onto magnetic tape on completion of each survey flight.

Instrument synchronisation times were measured and removed in real-time by the UTS data acquisition system.

3.4 Altitude Readings

Accurate survey heights above the terrain were measured using a King radar altimeter installed in the aircraft. The height of each survey data point was measured by the radar altimeter and stored by the UTS data acquisition system.

- Radar altimeter models — King KRA-10
- Accuracy — 0.3 metres
- Resolution — 0.1 metres
- Range — 0 - 500 metres
- Sample rate — 0.1 Seconds (10Hz)

The digital terrain model is calculated by subtracting the terrain clearance (radar altimeter) from the GPS height (interpolated to 0.1 Hz), and as such the accuracy is constrained by the differentially corrected GPS position.

3.5 UTS Stinger Mounted Magnetometer System

The installation platform used for the acquisition of magnetic data was a tail mounted stinger. This proprietory stinger system was constructed of carbon fibre and designed for maximum rigidity and stability.

Both the total field magnetometer and three component vector magnetometer were located within the tail stinger.

3.6 Total Field Magnetometer

Total field magnetic data readings for the survey were made using a Scintrex Cesium Vapour CS-2 Magnetometer. This precision sensor has the following specifications:

- Model Scintrex Cesium Vapour CS-2 Magnetometer
- Sample Rate 0.1 seconds (10Hz)
- Resolution 0.001nT
- Operating Range 15,000nT to 100,000nT

3.7 Three Component Vector Magnetometer

Three component vector magnetic data readings for the survey were made using a Develco Fluxgate Magnetometer. This precision sensor has the following specifications:

- Model Develco Fluxgate Magnetometer
- Sample Rate 0.1 seconds (10Hz)
- Resolution 0.1nT
- Operating Range -100,000nT to 100,000nT

3.8 Aircraft Magnetic Compensation

At the start of the survey, the system was calibrated for reduction of magnetic heading error. The heading and manoeuvre effects of the aircraft on the magnetic data was removed using an RMS Automatic Airborne Digital Compensator (AADC II).

Calibration of the aircraft heading effects were measured by flying a series of pitch, roll and yaw manoeuvres at high altitude while monitoring changes in the three axis magnetometer and the effect on total field readings. A 26 term model of the aircraft magnetic noise covering permanent, induced and eddy current fields was determined. These coefficients were then applied to the data collected during the survey in real-time.

UTS static compensation techniques were also employed to reduce the initial magnetic effects of the aircraft upon the survey data.

3.9 Diurnal Monitoring Magnetometer

A base station magnetometer was located in a low gradient area beyond the region of influence of any man made interference to monitor diurnal variations during the survey.

The specifications for the magnetometer used are as follows:

- Model Scintrex Envimag
- Resolution 0.1 nT
- Sample interval 5 seconds (0.2 Hz)
- Operating range 20,000nT to 90,000nT
- Temperature -20^{o}C to +50^{o}C

3.10 Barometric Altitude

An Air DB barometric altimeter was installed in the aircraft so as to record and monitor barometric height and pressure. The data was recorded at 0.10 second intervals and is used for the reduction of the radiometric data.

- Model Air DB barometric altimeter
- Accuracy 2 metres
- Height resolution 0.1 metres
- Height range 0 - 3500 metres
- Maximum operating pressure: 1,300 mb
- Pressure resolution: 0.01 mb
- Sample rate 10 Hz

3.11 Temperature and Humidity

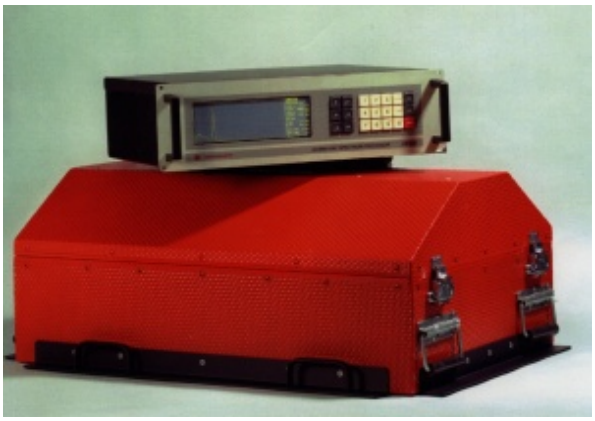
Temperature and humidity measurements were made during the survey at a sample rate of 10Hz. Ambient temperature was measured with a resolution of 0.1 degree Celsius and ambient humidity to a resolution of 0.1 percent.

3.12 Radiometric Data Acquisition

The gamma ray spectrometer used for the survey was capable of recording 256 channels and was self stabilising in order to minimise spectral drift. The detectors used contain thallium activated sodium iodide crystals.

Thorium source measurements were made each survey day to monitor system resolution and sensitivity. A calibration line was also flown at the start and end of each survey day to monitor ground moisture levels and system performance

- Spectrometer model Exploranium GR820
- Detector volume 32 litres
- Sample rate 1 Hz



4 PROJECT MANAGEMENT

InterMet Resources	Gary Ferris
UTS Geophysics Perth Office	Nino Tufilli David Abbott Cameron Johnston Rebecca Steadman

5 DATA PROCESSING PROCEDURES

5.1 Data Pre-processing

The raw survey data was loaded from the field tapes and the recorded data trimmed to the correct survey boundary extents. Any survey lines subsequently reflown were removed from the dataset.

At the commencement of each acquisition flight, all the instrumentation clocks were synchronized to local time, and the error and latency of each instrument in providing its data measurement calculated. The results of these latency measurements were recorded into a synchronisation file, and the results used to assign GPS positions to the magnetic, radiometric and elevation data. As a result of the physical separation of the sensors, a small residual offset still exists between instrument timings.

To compensate for this residual parallax error, an adjustment was made to the instrument clocks. The magnetic and radar altimeter data was adjusted by 0.600 seconds, and the radiometric data was adjusted by 1.375 seconds for each flight.

The synchronized, parallax corrected data was then exported as located ASCII data.

5.2 Magnetic Data Processing

The diurnal base station data was checked for spikes and steps, and suitably filtered prior to the removal of diurnal variations from the aircraft magnetic data.

The filtered diurnal measurements were subtracted from the diurnal base field and the residual corrections applied to the survey data by synchronising the diurnal data time and the aircraft survey time. The average diurnal base station value was added to the survey data.

The X and Y positioning of the data was then checked for spikes before applying the IGRF correction. Any spikes in the positions were manually edited. The updated IGRF 2005 correction was calculated at each data point (taking into account the height above sea level).

This regional magnetic gradient was subtracted from the survey data points.

Tie line levelling was applied to the data by least squares minimisation, using a polynomial fit of order 0, of the differences in magnetic values at the crossover points of the survey traverse and tie line data.

In order to remove any residual long wavelength variations in the tie line levelled data along the traverse lines, polynomial levelling was then applied.

Final micro-levelling techniques were then selectively applied to the tie line levelled data to remove minor residual variations in profile intensity

Located and gridded data were generated from the final processed magnetic data.

5.3 Radiometric Data Processing

Statistical noise reduction of the 256 channel data was performed using the Maximum Noise Fraction (MNF) method described by Dickson and Taylor (1998). This method constructs a noise covariance model from the survey data, which is then decorrelated and re-scaled so that the model has unit variance and no channel-to-channel correlation.

A principal component transformation of the noise-whitened data is performed, and the number of components to be saved is determined by ranking the eigenvectors by signal-to-noise ratio. The signal-rich components are retained, and the spectral data reconstructed without the noise fraction.

Channels 30-250 only are noise-cleaned, as these contain the regions of interest and are not dominated by the lower end of the Compton continuum. The energy spectrum between the potassium and thorium peaks was recalibrated from the noise-cleaned 256 channel measurements.

The aircraft background spectrum and the scaled unit cosmic spectrum were then subtracted from the 256 channel data. This 256 channel data was then windowed to the 5 primary channels of total count, potassium, uranium, thorium and low-energy uranium. Dead time corrections were then applied to the data. Radon background removal was performed using the Minty Spectral Ratio method (1992).

The radar altimeter data was corrected to standard temperature and pressure, and height corrected spectral stripping was then applied to the windowed data. Height attenuation corrections based on the STP radar altimeter were then performed to remove any altitude variation effects from the data.

The corrected count rate data was then converted to ground concentrations for potassium, uranium and thorium (sensitivity coefficients are supplied in Appendix E).

Final micro-levelling techniques were then selectively applied to the tie line levelled data to remove minor residual variations in profile intensities. Located and gridded data were generated from the final processed radiometric data.

5.4 Digital Terrain Model Data Processing

The radar altimeter data was subtracted from the GPS altimeter data. The separation distance between the GPS antenna and the radar altimeter of 1.4 metres was subtracted from the digital terrain data.

The digital terrain data thus derived was tie line levelled and gridded. Tie line levelled data was then examined and selectively microlevelled to produce a grid without line dependent artifacts.

For further information concerning the survey flown, please contact the following office:

Head Office Address:

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Fauntleroy Avenue, Perth Airport
REDCLIFFE WA 6104

Tel: +61 8 9479 4232
Fax: +61 8 9479 7361

Postal Address:

UTS Geophysics
P.O. Box 126
BELMONT WA 6984

Quoting reference number: A883

(Aero Magnetic and Radiometric data - see Government of SA Mineral Resources Website)

APPENDIX A - LOCATED DATA FORMATS

MAGNETIC LOCATED DATA

FIELD	FORMAT	DESCRIPTION	UNITS
1	I8	LINE NUMBER	
2	I4	FLIGHT/AREA NUMBER	AAFF (Area/Flight)
3	I9	DATE	YYMMDD
4	F10.1	TIME	sec
5	I8	FIDUCIAL NUMBER	
6	I4	UTM ZONE	
7	F12.6	LATITUDE (WGS84)	degrees
8	F12.6	LONGITUDE (WGS84)	degrees
9	F12.2	EASTING (MGA94)	metres
10	F12.2	NORTHING (MGA94)	metres
11	F8.1	RADAR ALTIMETER HEIGHT	metres
12	F8.1	GPS HEIGHT (WGS84)	metres
13	F8.1	TERRAIN HEIGHT (WGS84)	metres
14	F10.2	RAW MAGNETIC INTENSITY	nT
15	F10.2	DIURNAL CORRECTION	nT
16	F10.2	IGRF CORRECTION	nT
17	F10.2	DRN AND IGRF CORRECTED TMI	nT
18	F10.2	FINAL TOTAL MAGNETIC INTENSITY	nT

RADIOMETRIC LOCATED DATA

FIELD	FORMAT	DESCRIPTION	UNITS
1	I8	LINE NUMBER	
2	I4	FLIGHT/AREA NUMBER	AAFF (Area/Flight)
3	I9	DATE	YYMMDD
4	F10.1	TIME	sec
5	I8	FIDUCIAL NUMBER	
6	I4	UTM ZONE	
7	F12.6	LATITUDE (WGS84)	degrees
8	F12.6	LONGITUDE (WGS84)	degrees
9	F12.2	EASTING (MGA94)	metres
10	F12.2	NORTHING (MGA94)	metres
11	F8.1	RADAR ALTIMETER HEIGHT	metres
12	F8.1	GPS HEIGHT (WGS84)	metres
13	I5	LIVE TIME	milli sec
14	F8.1	PRESSURE	hPa
15	F6.1	TEMPERATURE	Degrees Celcius
16	F6.1	HUMIDITY	percent
17	I6	TOTAL COUNT (RAW)	Counts/sec
18	I6	POTASSIUM (RAW)	Counts/sec
19	I6	URANIUM (RAW)	Counts/sec
20	I6	THORIUM (RAW)	Counts/sec
21	I6	COSMIC (RAW)	Counts/sec
22	F8.1	TOTAL COUNT (CORRECTED)	Counts/sec
23	F8.1	POTASSIUM (CORRECTED)	Counts/sec
24	F8.1	URANIUM (CORRECTED)	Counts/sec
25	F8.1	THORIUM (CORRECTED)	Counts/sec
26	F9.4	DOSE RATE	nGy/hr
27	F9.4	POTASSIUM GRND CONCENTRATION	%
28	F9.4	URANIUM GRND CONCENTRATION	ppm
29	F9.4	THORIUM GRND CONCENTRATION	ppm

GRIDDED DATASET FORMATS

Gridding was performed using a bicubic spline algorithm.

The following grid formats have been provided:

- ER-Mapper format

LINE NUMBER FORMATS

Line numbers are identified with a six digit composite line number and have the following format - ALLLLB, where:

A	Survey area number
LLLL	Survey line number
	0001-8999 reserved for traverse lines
	9001-9999 reserved for tie lines
B	Line attempt number, 0 is attempt 1, 1 is attempt 2 etc..

UTS FILE NAMING FORMATS

Located and gridded data provided by UTS Geophysics uses the following 8 character file naming convention to be compatible with PC DOS based systems.

File names have the following general format - JJJJAABB.EEE, where:

JJJJ UTS Job number

AA Area number if the survey is broken into blocks

BB
- M Magnetic data
- R Radiometric data
- TC Total count data
- K Potassium counts
- U Uranium counts
- Th Thorium counts
- DT Digital terrain data

EEE File name extension
- LDT Located digital data file
- FMT Located data format definition file
- ERS Ermapper gridded data header file
- Ermapper data portion has no extension
- GRD Geosoft gridded data file

APPENDIX B - COORDINATE SYSTEM DETAILS

Locations for the survey data are provided in both geographical latitude and longitude and Universal Transverse Mercator metric projection coordinate systems.

WGS84	World Geodetic System 1984
Coordinate Type	Geographical
Semi Major Axis	6378137m
Flattening	1/298.257223563

MGA94	Map Grid of Australia 1994
Coordinate type	Universal Transverse Mercator Projection Grid
Geodetic datum	Geocentric Datum of Australia
Semi major axis	6378137m
Flattening	1/298.257222101

APPENDIX C - SURVEY BOUNDARY DETAILS

COORDINATES REPORT

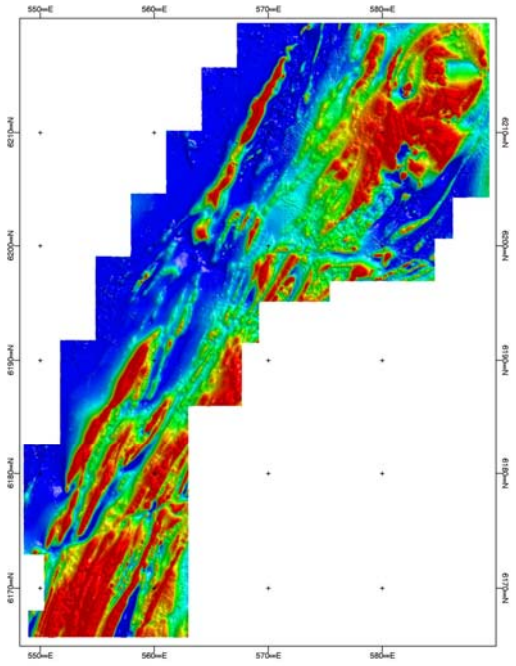
Job ID code: A8830101
Client: InterMet Resources
Job: Port Lincoln A883
Coordinates MGA94 Grid Zone: 53
Include Point: 0.0 0.00

Surround

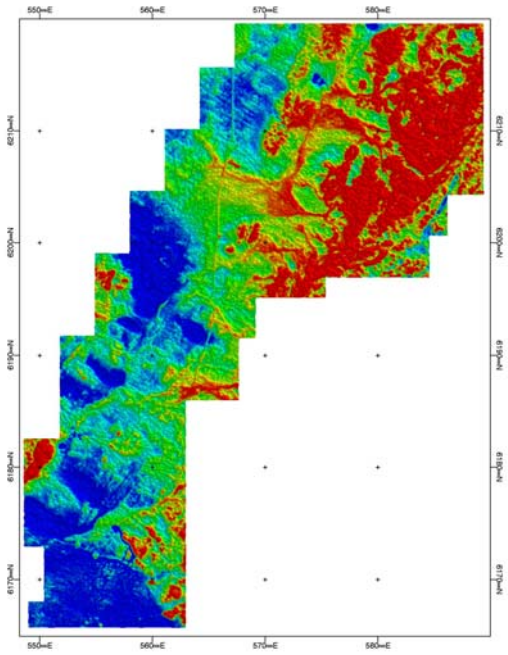
567300.000	6219600.000
589300.000	6219600.000
589300.000	6204300.000
586100.000	6204300.000
586100.000	6200600.000
584500.000	6200600.000
584500.000	6196900.000
575300.000	6196900.000
575300.000	6195100.000
569100.000	6195100.000
569100.000	6191500.000
567600.000	6191500.000
567600.000	6186000.000
562900.000	6186000.000
562900.000	6165700.000
549000.000	6165700.000
549000.000	6168100.000
550400.000	6168100.000
550400.000	6172900.000
548600.000	6172900.000
548600.000	6182600.000
551800.000	6182600.000
551800.000	6191800.000
554900.000	6191800.000
554900.000	6199200.000
558000.000	6199200.000
558000.000	6204700.000
561100.000	6204700.000
561100.000	6210200.000
564200.000	6210200.000
564200.000	6215700.000
567300.000	6215700.000

APPENDIX D - PROJECT DATA OVERVIEW

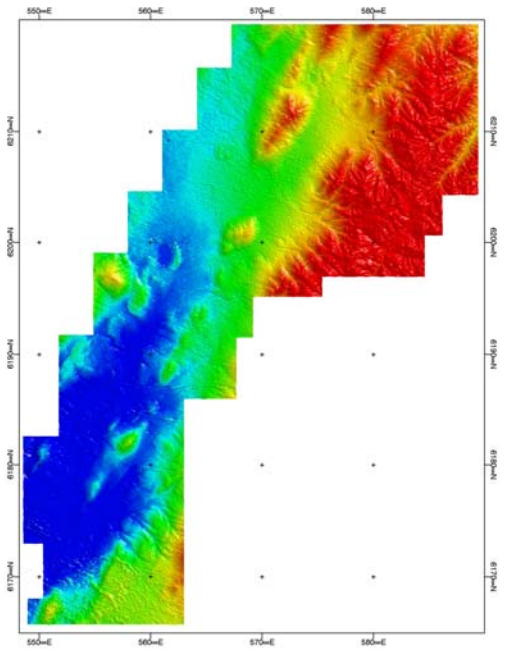
A883 Project



Total Magnetic Intensity



Radiometric Total Count



Digital Terrain Model

APPENDIX E – ACQUISITION AND PROCESSING PARAMETERS

Magnetic Processing Parameters

IGRF date - 2007.75
IGRF mean value - 59,347.15 nT
Magnetic inclination - -66.8 deg
Magnetic declination - 6.96 deg
Diurnal base value - 59,600 nT

Radiometric Processing Parameters

Height Attenuation Coefficients

Total Count:	-0.0074
Potassium:	-0.0094
Uranium:	-0.0084
Thorium:	-0.0074

Aircraft Background Coefficients

Total Count:	33.69
Potassium:	9.27
Uranium:	0.59
Thorium:	0.05

Cosmic Correction Coefficients

Total Count:	1.615
Potassium:	0.092
Uranium:	0.087
Thorium:	0.051

Sensitivity Coefficients

Total Count:	37.872 cps/dose rate
Potassium:	151.475 cps/%k
Uranium:	17.656 cps/ppm
Thorium:	7.977 cps/ppm

Final Reduction - All data reduced to STP height datum 50m

(Aero Magnetic and Radiometric data - see Government of SA Mineral Resources Website)

15. APPENDIX 2: AEROMAGNETIC RAW DATA

See attached electronic file “Append2_EL3702_mag”

This file contains no headers. Tabulated below are the header details.

MAGNETIC LOCATED DATA

```
-------------------------------------------------------------
FIELD FORMAT DESCRIPTION UNITS
-------------------------------------------------------------
1 I8 LINE NUMBER
2 I4 FLIGHT/AREA NUMBER AAFF (Area/Flight)
3 I9 DATE YYMMDD
4 F10.1 TIME sec
5 I8 FIDUCIAL NUMBER
6 I4 UTM ZONE
7 F12.6 LATITUDE (WGS84) degrees
8 F12.6 LONGITUDE (WGS84) degrees
9 F12.2 EASTING (MGA94) metres
10 F12.2 NORTHING (MGA94) metres
11 F8.1 RADAR ALTIMETER HEIGHT metres
12 F8.1 GPS HEIGHT (WGS84) metres
13 F8.1 TERRAIN HEIGHT (WGS84) metres
14 F10.2 RAW MAGNETIC INTENSITY nT
15 F10.2 DIURNAL CORRECTION nT
16 F10.2 IGRF CORRECTION nT
17 F10.2 DRN AND IGRF CORRECTED TMI nT
18 F10.2 FINAL TOTAL MAGNETIC INTENSITY nT
-------------------------------------------------------------
```

16. APPENDIX 3: AERO-RADIOMETRICS DATA

See attached electronic file “Append3_EL3702_rad”

This file contains no headers. Tabulated below are the header details.

RADIOMETRIC LOCATED DATA

```
-------------------------------------------------------------
FIELD FORMAT DESCRIPTION UNITS
-------------------------------------------------------------
1 I8 LINE NUMBER
2 I4 FLIGHT/AREA NUMBER AAFF (Area/Flight)
3 I9 DATE YYMMDD
4 F10.1 TIME sec
5 I8 FIDUCIAL NUMBER
6 I4 UTM ZONE
7 F12.6 LATITUDE (WGS84) degrees
8 F12.6 LONGITUDE (WGS84) degrees
9 F12.2 EASTING (MGA94) metres
10 F12.2 NORTHING (MGA94) metres
11 F8.1 RADAR ALTIMETER HEIGHT metres
12 F8.1 GPS HEIGHT (WGS84) metres
13 I5 LIVE TIME milli sec
14 F8.1 PRESSURE hPa
15 F6.1 TEMPERATURE Degrees Celcius
```

```
16 F6.1 HUMIDITY percent
17 I6 TOTAL COUNT (RAW) Counts/sec
18 I6 POTASSIUM (RAW) Counts/sec
19 I6 URANIUM (RAW) Counts/sec
20 I6 THORIUM (RAW) Counts/sec
21 I6 COSMIC (RAW) Counts/sec
22 F8.1 TOTAL COUNT (CORRECTED) Counts/sec
23 F8.1 POTASSIUM (CORRECTED) Counts/sec
24 F8.1 URANIUM (CORRECTED) Counts/sec
25 F8.1 THORIUM (CORRECTED) Counts/sec
26 F9.4 DOSE RATE nGy/hr
27 F9.4 POTASSIUM GRND CONCENTRATION %
28 F9.4 URANIUM GRND CONCENTRATION ppm
29 F9.4 THORIUM GRND CONCENTRATION ppm
------------------------------------------------------------
```

17. APPENDIX 4: GEOCHEMISTRY OF EL 3702 GROUNDWATER SAMPLES

Sample	Easting_MGA	Northing_MGA	pH	Eh_mV	Ionic_Strength__salinity_	Ca_ppm_DL_0_1
CW001	553485.04	6174850.75	6.77	211	0.0310268	33.9
CW002	553395.03	6174746.75	7.29	350	0.056336	56.7
CW003	551128.03	6176410.75	6.12	270	0.0372985	81.7
CW004	551138.03	6176554.75	6.09	306	0.0293253	53.1
CW005	552929.03	6175851.74	7.16	518	0.0407226	149.6
CW006	553606.04	6171419.74	7.86	465	0.0217509	50.2
CW007	553565.04	6169956.73	7.76	429	0.0196702	43.3
CW008	552203.03	6173266.74	7.69	495	0.0289056	82.2
CW014	549772.02	6177812.75	6.44	514	0.0477594	81.7
CW015	551251.03	6179321.75	6.28	278	0.0477205	110.3
CW016	554519.03	6176152.75	7.32	398	0.0245415	28.7
CW017	554281.03	6179501.75	7.3	394	0.125586	141.6
CW018	554047.03	6179545.75	7.58	283	0.0537439	111.2
CW019	553499.04	6181360.75	7.2	336	0.123181	85.4
CW020	555524.04	6183143.76	6.71	339	0.0808684	224.3
CW021	555446.04	6184763.76	7.22	359	0.207855	261.6
CW023	549834.02	6173332.75	7.36	365	0.0623669	215.6
CW024	555152.04	6179125.75	7.21	335	0.240316	290
CW025	558350.04	6184932.77	7.07	200	0.162413	127.4
CW026	558798.04	6184133.77	6.91	207	0.119309	146.2
CW027	558812.04	6183894.77	7.79	312	0.0701879	91.3
CW028	558721.04	6183917.76	6.82	305	0.110136	100.6
CW029	552037.03	6181494.76	6.77	227	0.430377	461.2
CW030	557832.04	6191052.78	6.69	358	0.0243049	41.6
CW031	559416.04	6191269.78	6.6	322	0.0173371	8.3
CW032	560542.04	6196801.79	6.94	294	0.0241896	36.2
CW033	559225.04	6199093.79	6.64	163	0.0184107	32.3
CW034	561944.04	6198755.79	7.4	283	0.0230724	89.4
CW035	562706.04	6197013.79	7.85	240	0.12346	196.6
CW036	558874.04	6193025.78	7.3	290	0.0339662	50.1
CW037	561389.04	6192466.77	6.51	362	0.0709111	130.1
CW038	562991.04	6198828.79	5.95	331	0.473232	334.2
CW039	563354.05	6198787.8	7.52	548	0.304985	388.3
CW040	557836.04	6193195.78	6.66	364	0.0352359	73.5
CW041	556841.03	6193454.78	6.05	408	0.104235	86.6
CW043	559300.04	6190022.77	7.84	357	0.0502256	126
CW047	551595.02	6180719.75	6.81	138	0.0637879	142.8
CW048	551158.03	6180562.76	6.38	293	0.0688692	107.7
CW049	551117.03	6179704.75	6.76	400	0.230974	340.9
CW050	552820.03	6179773.75	6.79	69	0.08792	164.6
CW052	552704.03	6172966.74	7.77	371	0.0218034	58.7
CW054	563977.05	6189358.78	8.48	293	0.0193819	28.9
CW055	563258.05	6189404.78	8.14	-52	0.291925	168.3
CW056	562381.05	6187940.77	7.37	64	0.186689	114.6
CW057	562051.05	6187882.78	7.63	241	0.0560607	58.1
CW058	561554.05	6191362.78	6.82	332	0.0914884	104.7
CW059	560597.04	6195396.79	7.93	303	0.0930487	151
CW060	561347.04	6192958.78	7.07	388	0.0741476	93.3

Sample	Easting_MGA	Northing_MGA	pH	Eh_mV	Ionic_Strength__salinity_	Ca_ppm_DL_0_1
CW061	555753.04	6195723.78	7.22	348	0.248076	318.1
CW062	560053.04	6200164.79	7.2	93	0.148903	153.7
CW063	560271.04	6200008.79	6.97	217	0.0263746	35.1
CW064	560076.04	6201479.79	6.93	153	0.0279155	38.1
CW065	557807.04	6194598.78	7.11	406	0.021417	43.5
CW088	565125.05	6205539.8	6.38	293	0.181076	298
CW089	561796.05	6199612.79	7.36	339	0.11317	473.1
CW090	561112.04	6201925.79	7.05	381	0.0721614	224.9
CW091	562146.03	6209672.81	7.84	17	0.0794354	180.6
CW099	549472.02	6182385.76	7.44	356	0.0542792	116.9
CW100	549873.03	6180409.76	7.72	202	0.0166536	24.5
CW101	551182.03	6181981.77	7.04	406	0.0643011	214.2
CW102	554470.04	6181792.77	6.99	391	0.0779253	131.8
CW103	554509.03	6181844.76	7.05	66	0.0221234	142.8
CW104	554697.04	6181763.76	7.17	330	0.103049	600.9
CW105	557302.04	6191845.78	6.38	396	0.0801065	127.1

Sample	Mg_ppm_DL_0_1	Na_ppm_DL_10	K_ppm_DL_0_1	Cl_ppm_DL_50	SO4_ppm_DL_30
CW001	32.9	481	6.8	703	270
CW002	70.1	1021	10.5	1492	114
CW003	82.4	534	13.1	1007	0.1
CW004	59.3	457	9.4	796	0.1
CW005	84.3	382	19.2	664	318
CW006	28.8	65	2.7	21	675
CW007	18.6	60	2.1	0.1	633
CW008	104.2	321	9.2	444	39
CW014	57	463	17.8	810	789
CW015	93.5	684	37.5	1271	0.1
CW016	23.7	476	14.4	427	96
CW017	212.4	1498	34.2	2379	1518
CW018	95.9	629	40	1231	357
CW019	152.7	1703	50.5	2568	1425
CW020	126.7	1068	27.6	1779	381
CW021	351	2621	45.6	4889	1827
CW023	108.9	642	22.3	1224	462
CW024	432.6	3014	103.8	5215	2175
CW025	178.3	2346	56.5	3763	1638
CW026	156.3	1514	32.5	2437	1410
CW027	79.8	996	27.7	1321	738
CW028	126.6	1586	31	2291	1179
CW029	765.2	5558	114.8	10126	3675
CW030	45	329	7.5	427	162.6
CW031	17.8	268	7.7	449	126
CW032	50.5	353	9.9	690	0.1
CW033	38.3	242	6.4	493	51
CW034	72	285	35.4	294	0.1
CW035	204.4	1367	33.9	2210	1527
CW036	42.4	253	4.9	486	708
CW037	156.9	1021	26.5	1822	106.5
CW038	786.9	6110	150.6	11199	4695
CW039	695.7	4358	117	8335	607.5
CW040	62.9	377	16.5	645	379.8
CW041	163	958	19	1827	1878
CW043	90.1	686	24.1	1077	201.9
CW047	115.1	827	22.5	1471	306.3
CW048	70.3	514	24.1	1100	1446
CW049	521	3310	71.3	6073	456.3
CW050	174.8	1176	30.8	2278	327.3
CW052	65.8	164	8.9	163	268.8
CW054	24.2	412	66.2	56	56.7
CW055	478.8	3406	82.6	6341	3789
CW056	383.1	2989	58.7	5307	354.3
CW057	77.9	978	27.1	1086	268.8
CW058	151	804	25.5	1442	1632
CW059	150	817	32.3	1730	1437
CW060	114.7	720	24.9	1182	1236

Sample	Mg_ppm_DL_0_1	Na_ppm_DL_10	K_ppm_DL_0_1	Cl_ppm_DL_50	SO4_ppm_DL_30
CW061	375	2569	49.1	4693	3624
CW062	225	1389	61.3	2590	2541
CW063	46.6	343	8.7	499	244.8
CW064	53.3	386	9	623	168.6
CW065	43.6	282	10.2	553	56.1
CW088	328.4	2857	48.4	5067	132.9
CW089	250.6	1240	34.9	2611	132.4
CW090	111.6	1037	32.2	1718	123.5
CW091	153.1	1101	31.4	2093	115
CW099	60.5	940	19.6	1214	113.9
CW100	13.7	332	8.5	239	95.01
CW101	76.5	646	24.6	952	815.7
CW102	108.3	902	24	1555	915
CW103	43.2	165	14.6	377	79.17
CW104	179.5	1007	26.7	2249	111.4
CW105	103	927	14	1660	977.1

Sample	HCO3_ppm_DL_5_	Li_ppb_DL_5	B_ppbDL_5	Al_ppmDL_0_05	Si_ppm_DL_0_5	Sc_ppb_DL_0_1
CW001	63.44	9	607	1.2	6.8	4.2
CW002	236.68	2	2825	0.65	14.3	0.7
CW003	46.97	1	516	0.13	6.5	1.1
CW004	56.12	3.4	261	0.17	5.2	5.2
CW005	206.18	-0.5	805	0.28	9.4	3.6
CW006	126.27	1.2	106	0.27	4.5	3.4
CW007	175.07	-0.5	77	0.22	4.3	3.4
CW008	237.9	4.8	507	0.53	5.3	1.3
CW014	95.77	47.2	330	0.83	5.6	2.4
CW015	141.52	13.4	472	0.42	7.8	1
CW016	315.37	4.1	1419	0.75	8.5	-0.1
CW017	325.74	11	1969	0.45	8.9	0.9
CW018	150.06	5.2	427	0.34	6.9	1.5
CW019	324.52	1.3	3991	0.32	15.2	0.5
CW020	308.66	3.6	1751	0.31	10	-0.1
CW021	126.88	48.1	1644	0.47	3.9	1.1
CW023	171.41	19.4	409	1.69	6.4	4.6
CW024	506.3	7.7	5659	1.18	11.8	5.7
CW025	284.87	30.4	4767	1.11	17.4	0.2
CW026	237.29	12	2555	0.55	14.9	1.5
CW027	364.17	7.9	3441	0.66	15.1	3.2
CW028	347.7	6.9	3614	0.66	9.1	3.9
CW029	252.54	46.7	4114	1.53	9.6	4.6
CW030	222.65	4.4	147	0.28	13.5	1.9
CW031	68.93	5.1	734	0.42	6.6	1.1
CW032	79.3	-0.5	335	0.11	7.5	-0.1
CW033	31.11	-0.5	-5	0.34	3	0.4
CW034	220.82	5.3	2073	0.26	9.5	0.8
CW035	427.61	1.2	1593	0.15	5.4	1.3
CW036	93.94	5	202	0.32	6.6	1.7
CW037	111.63	7.3	869	0.14	6.5	0.8
CW038	78.69	18.8	7106	0.17	15	1.4
CW039	159.21	52.8	9656	2.4	6.7	3.7
CW040	111.63	1.1	145	0.22	3.4	2.1
CW041	48.19	3.3	650	0.12	7.1	2.6
CW043	222.04	5.4	816	0.2	6.3	1.2
CW047	206.18	-0.5	628	0.16	3.4	2.1
CW048	64.05	4	98	0.25	3.4	0.6
CW049	317.2	31.4	3748	0.18	11	3.1
CW050	31.72	3.8	-5	0.16	-0.5	-0.1
CW052	220.82	-0.5	227	0.1	5.6	2.8
CW054	505.69	-0.5	2677	0.12	1.4	0.2
CW055	31.72	5.2	900	0.29	-0.5	1.5
CW056	143.35	26.3	2430	0.12	3.1	2.1
CW057	507.52	-0.5	5876	0.12	13.1	1.1
CW058	189.71	8.3	950	0.25	18	0.3
CW059	63.44	4	442	0.31	1.1	1
CW060	189.71	7.6	941	0.13	14.1	0.8

Sample	HCO3_ppm_DL_5_	Li_ppb_DL_5	B_ppbDL_5	Al_ppmDL_0_05	Si_ppm_DL_0_5	Sc_ppb_DL_0_1
CW061	347.09	3.9	2428	0.19	8.1	1.9
CW062	252.54	4	853	0.35	6.3	0.8
CW063	126.88	14.5	366	0.52	2.6	2.2
CW064	94.55	-0.5	405	0.34	4.8	1.6
CW065	47.58	-0.5	334	0.22	11.9	2
CW088	237.29	42.5	3347	0.23	11.1	3.6
CW089	206.79	18.7	785	0.18	11	3.4
CW090	230.58	6.2	2050	0.19	14.4	2
CW091	175.07	44.8	561	1.24	15.2	0.7
CW099	394.67	6	2581	-0.05	13.6	4.2
CW100	197.03	10	703	0.46	13.7	2.4
CW101	299.51	8.4	1188	0.38	20.1	-0.1
CW102	174.46	6	838	0.12	6.6	2.2
CW103	79.3	4.1	-5	0.11	4.1	-0.1
CW104	221.43	4.2	103	0.09	8.9	0.7
CW105	134.2	9	489	0.16	6.7	0.3

Sample	V_ppb_DL_10	Mn_ppb_DL_5	Fe_ppb_DL_5	Co_ppb_DL_0_1	Ni_ppb_DL_0_5	Cu_ppb_DL_0_5
CW001	64	296	528	1.1	13.2	5.6
CW002	115	6	322	-0.1	23.8	9.9
CW003	63	129	266	2	0.9	13.4
CW004	36	23	219	1.9	4.3	10
CW005	167	5	-5	0.6	3.1	-0.5
CW006	41	-5	388	-0.1	6.7	-0.5
CW007	36	5	558	-0.1	5.2	-0.5
CW008	82	13	433	0.4	7	33.3
CW014	691	66	749	4.1	52.7	80.6
CW015	32	29	831	1.5	11.5	52.7
CW016	199	24	644	0.2	12.4	71.2
CW017	92	9	536	0.6	4.5	189.2
CW018	100	142	529	0.3	8.2	14.1
CW019	170	33	365	-0.1	4.4	8.7
CW020	139	17	-5	0.2	-0.5	19.3
CW021	160	37	29	0.7	44.6	20.4
CW023	109	91	1439	1.3	29.8	26.6
CW024	236	66	586	1.6	13.2	32.7
CW025	184	174	820	1.1	62.4	80.7
CW026	138	101	681	0.3	6.7	10.8
CW027	98	85	1121	0.7	24.5	13.9
CW028	111	32	413	0.3	6.5	16.7
CW029	390	145	803	1.7	31.8	55.8
CW030	24	5	592	-0.1	3.1	-0.5
CW031	24	-5	681	-0.1	13.3	-0.5
CW032	19	-5	733	-0.1	4.3	1
CW033	-10	355	1222	13.1	8.5	14.1
CW034	44	-5	305	-0.1	3.3	-0.5
CW035	89	100	786	0.5	0.5	12.3
CW036	19	-5	490	-0.1	2.5	19.1
CW037	64	6	463	0.5	2.3	19.7
CW038	369	-5	78	0.8	-0.5	47.4
CW039	578	19	1507	2.4	18.1	43.6
CW040	48	6	1807	0.6	35.9	6.4
CW041	72	-5	408	0.7	7.1	75.6
CW043	37	7	457	0.5	24.8	17.9
CW047	56	57	2187	1.1	5.8	44.6
CW048	33	234	2207	12.2	78.4	9.5
CW049	303	-5	350	2.9	8.8	1050.8
CW050	61	1832	1645	0.4	2.4	9.3
CW052	32	-5	645	-0.1	3.7	-0.5
CW054	-10	65	692	1.8	13.4	2.2
CW055	195	105	13560	0.3	12.3	24.4
CW056	167	275	900	0.4	13.8	27.4
CW057	131	11	824	0.3	6.4	1
CW058	54	-5	598	0.3	7.9	3.2
CW059	57	36	471	0.2	9.9	8.2
CW060	43	17	784	0.3	10.2	22.4

Sample	V_ppb_DL_10	Mn_ppb_DL_5	Fe_ppb_DL_5	Co_ppb_DL_0_1	Ni_ppb_DL_0_5	Cu_ppb_DL_0_5
CW061	169	319	541	3.7	23.6	17.3
CW062	78	6	3968	-0.1	9.3	4.7
CW063	94	29	1128	0.9	81.8	20.9
CW064	16	-5	1135	1.2	11.2	-0.5
CW065	73	-5	905	0.1	52.5	35.2
CW088	311	234	668	0.6	3	22.9
CW089	222	15	256	0.2	-0.5	7.8
CW090	163	7	536	0.3	2.1	27.7
CW091	152	1008	580	-0.1	1.5	6.4
CW099	165	-5	572	-0.1	-0.5	47.3
CW100	125	-5	705	-0.1	8.4	153.1
CW101	181	9	293	-0.1	0.5	286.7
CW102	104	28	460	0.6	1.8	31.6
CW103	35	8	392	-0.1	-0.5	2.8
CW104	142	15	-5	0.3	-0.5	25.3
CW105	120	7	441	0.4	1.3	13.6

Sample	Zn_ppb_DL_0_5	Rb_ppb_DL_1	Sr_ppb_DL_10	Cd_ppb_DL_0_05	Ba_ppb_DL_1
CW001	111	7	297	-0.05	27
CW002	409	6	755	0.99	17
CW003	17	10	767	0.15	110
CW004	343	8	526	0.47	61
CW005	11	13	763	1.03	82
CW006	925	3	2639	0.65	61
CW007	-5	1	1715	0.66	36
CW008	410	6	5720	0.98	74
CW014	4730	15	622	3.15	54
CW015	379	18	928	1.54	41
CW016	937	13	249	13.37	17
CW017	42	20	2521	1.35	71
CW018	621	20	1149	1.27	50
CW019	155	29	1615	1.2	46
CW020	397	17	1527	1.4	156
CW021	1350	47	2865	1.1	49
CW023	4028	15	2445	3.31	75
CW024	2762	41	5161	2.03	43
CW025	3487	41	1797	530.68	47
CW026	1986	25	1586	1.48	57
CW027	3543	19	880	2.88	42
CW028	2252	18	1260	1.29	30
CW029	5555	78	7154	4.06	75
CW030	1360	9	397	-0.05	206
CW031	-5	6	186	0.11	119
CW032	1009	6	554	-0.05	11
CW033	5	6	181	0.57	1
CW034	307	13	2318	-0.05	66
CW035	537	8	2547	0.34	83
CW036	518	2	429	0.35	17
CW037	380	16	1716	0.22	65
CW038	134	49	8753	0.16	24
CW039	348	31	11854	1.97	32
CW040	826	8	637	1.49	47
CW041	807	11	1806	0.58	49
CW043	1032	22	992	0.82	72
CW047	484	11	1273	0.22	66
CW048	1037	15	740	1.09	68
CW049	1161	29	6415	0.32	115
CW050	145	19	1667	0.78	36
CW052	331	4	4103	0.24	63
CW054	214	24	203	0.24	-1
CW055	481	42	3053	0.77	210
CW056	224	34	1649	0.54	27
CW057	286	11	821	0.48	32
CW058	100	12	1484	0.62	50
CW059	460	18	1328	1.53	28
CW060	476	15	1243	1.09	35

Sample	Zn_ppb_DL_0_5	Rb_ppb_DL_1	Sr_ppb_DL_10	Cd_ppb_DL_0_05	Ba_ppb_DL_1
CW061	397	23	3795	0.62	95
CW062	124	31	2173	1.04	54
CW063	678	7	451	1.88	30
CW064	398	7	501	0.55	10
CW065	1557	5	430	0.37	46
CW088	416	47	5048	1.69	27
CW089	437	12	7147	0.78	260
CW090	639	13	3393	0.85	112
CW091	547	16	2751	0.2	133
CW099	487	7	2370	0.26	54
CW100	332	1	1784	0.67	26
CW101	835	11	2818	0.26	71
CW102	288	16	2956	0.5	55
CW103	18	10	2239	0.2	54
CW104	161	13	4364	0.2	222
CW105	681	12	2653	0.17	69

Sample	Tl_ppb_DL_0_01	Pb_ppb_DL_0_01	U_ppb_DL_0_01	Bi_ppb_DL_0_01	P_ppm_DL_0_002
CW001	0.17	5.29	0.14	0.01	0.01
CW002	0.12	5.2	0.82	0.05	0.124
CW003	0.1	3.28	-0.1	0.02	0.071
CW004	0.11	7.86	0.06	-0.01	0.006
CW005	0.77	9.49	2.21	0.03	0.006
CW006	0.26	7.05	1.36	0.02	0.085
CW007	0.12	12.59	1.09	0.05	0.025
CW008	0.32	10.04	3.39	0.04	0.015
CW014	0.24	33.79	16.27	0.09	0.0002
CW015	0.21	19.7	1.17	-0.01	0.011
CW016	0.16	26.15	25.18	0.03	0.015
CW017	0.46	14.96	11.13	0.02	0.008
CW018	0.2	25.98	0.44	0.04	0.0002
CW019	0.25	23.85	8.84	0.06	3.646
CW020	0.13	8.7	29.48	0.02	0.023
CW021	0.23	28.06	16.52	0.03	0.0002
CW023	0.09	63.96	1.58	0.05	0.004
CW024	0.33	80.03	36.08	0.07	0.013
CW025	0.56	67.98	1.71	0.28	0.009
CW026	0.09	26.1	13.84	0.07	0.006
CW027	0.07	44.22	6.11	0.07	0.024
CW028	0.06	20.17	3.39	0.02	0.008
CW029	0.28	127.94	3.56	0.19	0.005
CW030	-0.01	8.48	0.28	0.01	0.011
CW031	-0.01	-0.01	-0.1	0.02	0.0002
CW032	-0.01	-0.01	0.17	-0.01	0.012
CW033	-0.01	-0.01	-0.1	0.01	0.022
CW034	-0.01	-0.01	4.11	-0.01	0.007
CW035	-0.01	-0.01	1	0.02	1.061
CW036	-0.01	-0.01	-0.1	0.02	0.014
CW037	0.24	0.07	3.78	0.02	0.013
CW038	0.17	3.86	0.1	0.06	0.002
CW039	0.29	8.63	12.61	0.08	5.688
CW040	0.01	4.19	0.12	0.05	0.032
CW041	1.5	1.6	0.09	0.05	0.011
CW043	0.6	11.62	0.22	0.05	0.013
CW047	0.14	-0.01	2.59	0.02	0.011
CW048	0.21	4.62	1.82	0.06	0.018
CW049	1.13	2.3	47.86	0.02	0.0002
CW050	0.35	0.2	0.08	0.05	0.012
CW052	0.05	-0.01	6.35	0.03	0.0002
CW054	0.14	-0.01	0.28	0.04	0.0002
CW055	0.18	2.87	-0.1	0.07	0.032
CW056	0.19	1.66	2.15	0.09	0.015
CW057	0.06	-0.01	4.03	0.04	0.097
CW058	0.1	1.91	0.75	0.05	0.025
CW059	0.06	0.38	0.32	0.04	0.032
CW060	0.11	-0.01	2.36	0.04	0.0002

Sample	Tl_ppb_DL_0_01	Pb_ppb_DL_0_01	U_ppb_DL_0_01	Bi_ppb_DL_0_01	P_ppm_DL_0_002
CW061	0.14	5.04	3.07	0.05	0.008
CW062	0.05	0.23	19.09	0.06	0.003
CW063	-0.01	3.95	7.54	0.09	0.0002
CW064	-0.01	-0.01	0.22	0.06	0.011
CW065	-0.01	-0.01	0.06	-0.01	0.015
CW088	0.26	4.32	5.78	0.01	0.044
CW089	0.15	0.17	1.89	0.06	0.006
CW090	0.19	0.55	0.86	0.04	1.351
CW091	0.16	0.39	0.76	0.02	0.031
CW099	0.09	2.35	3.27	0.03	0.089
CW100	0.05	0.05	3.99	-0.01	0.009
CW101	0.12	0.54	3.45	0.05	0.02
CW102	0.13	0.84	2.7	-0.01	0.036
CW103	0.03	-0.01	0.23	-0.01	0.008
CW104	0.1	-0.01	1.97	0.05	0.024
CW105	0.16	-0.01	0.57	0.03	0.024

Sample	F_ppm
CW001	1.23564
CW002	2.13744
CW003	0.01
CW004	0.01
CW005	0.270326
CW006	1.2
CW007	0.9
CW008	1.8
CW014	0.01
CW015	0.0673305
CW016	2.13744
CW017	0.525388
CW018	0.01
CW019	2.6
CW020	0.375312
CW021	0.411536
CW023	0.525388
CW024	2
CW025	3.49673
CW026	1.7
CW027	2.3
CW028	0.7
CW029	1.8
CW030	0.01
CW031	0.6
CW032	0.202338
CW033	0.01
CW034	3.49673
CW035	0.7
CW036	0.304814
CW037	0.134958
CW038	0.101228
CW039	1.4
CW040	0.01
CW041	0.236203
CW043	0.486467
CW047	0.0673305
CW048	0.7
CW049	0.9
CW050	0.01
CW052	1.8
CW054	0.202338
CW055	0.01
CW056	0.649251
CW057	2.2
CW058	0.486467
CW059	0.01
CW060	0.486467

Sample	F_ppm
CW061	0.101228
CW062	0.3
CW063	0.01
CW064	0.411536
CW065	0.01
CW088	2
CW089	0.7
CW090	0.7
CW091	0.01
CW099	1.4
CW100	1.4
CW101	1.2
CW102	0.101228
CW103	0.01
CW104	0.01
CW105	0.01

LINCOLN MINERALS LIMITED

ABN 50 050 117 023

EL3702 (Wanilla) Eyre Peninsula

Second Annual Technical Report
For Period 13 February 2008 to 12 February 2009

For Twelve Months Ending:	12/02/2009	**Licensee:**	Lincoln Minerals Limited
		Operator:	Lincoln Minerals Limited
Mineral(s) Sought:	Iron ore, base metals, gold and all minerals other than opal	**Prepared by:**	P. Lyons
		Date:	24 March 2009
		Phone No:	08 8274 0243
Map Sheets:	LINCOLN 1:250,000 CUMMINS 1:100,000	**Fax No:**	08 8274 0242

Key Words: *Gawler Craton, Hutchison Group, gravity, hematite*

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1 Introduction

This report is for the period 13 February 2008 to 12 February 2009.

The Wanilla Project tenement, EL 3702, was granted on the 13 February 2007 to Intermet Resources. In March 2008, Intermet entered into a Joint Venture with Lincoln Minerals Ltd (LML) and its partner Mineral Enterprises Australia Pty Ltd (MEA), giving it the right to explore for all minerals except uranium. LML-MEA can earn 80% interest in EL 3702 by expending $2 million on exploration by the end of 2012. LML manages the Joint Venture.

EL 3702 is centred about 45 km northwest of Port Lincoln, on the southern Eyre Peninsula, and includes the towns of Wanilla and Cummins (Figure 1). It covers an area of 1,024 km^2.

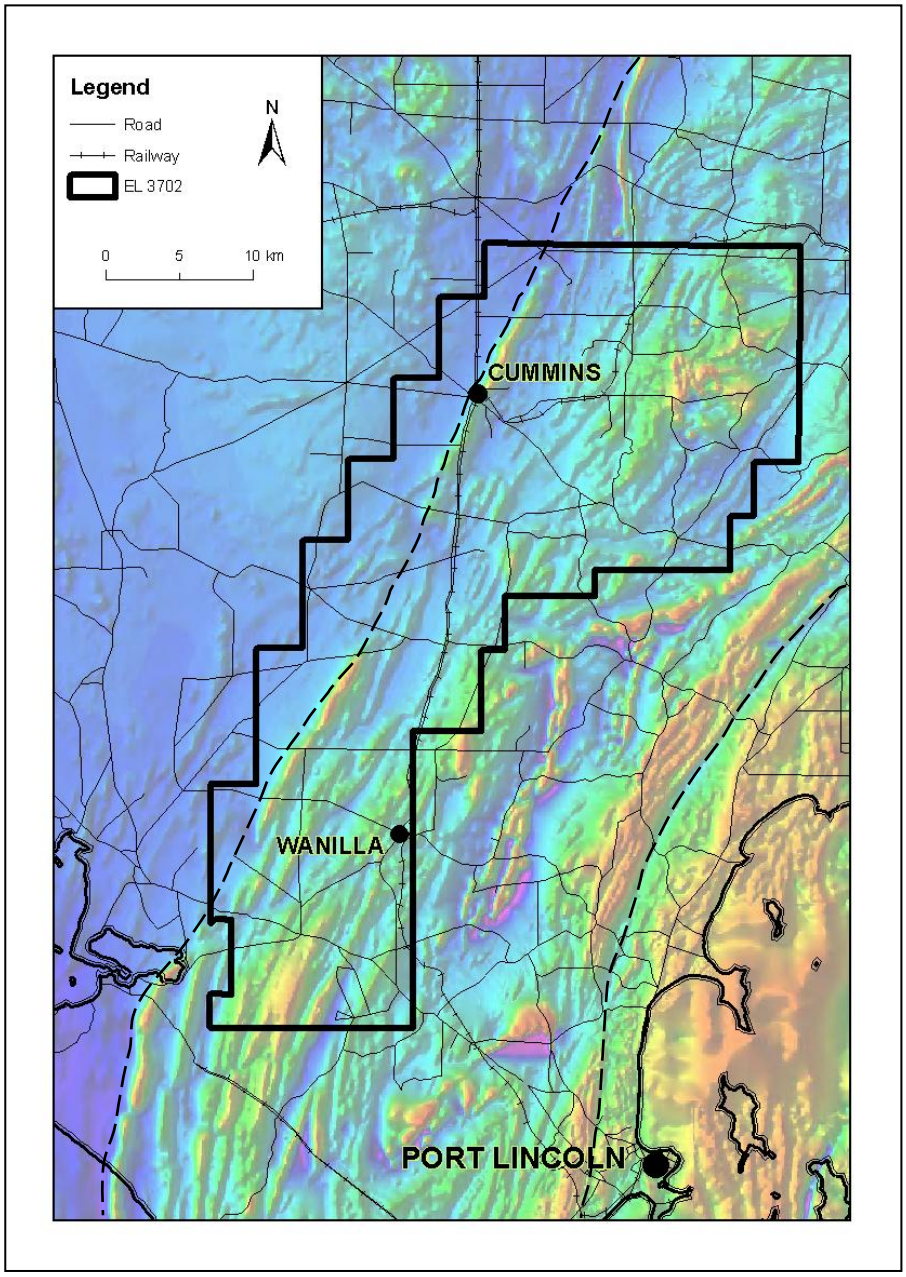


Figure 1. Location of EL 3702 on image of total magnetic intensity. Shear zones referred to in section on Regional Geology shown as dashed lines.

The project area is prospective for a range of minerals including iron ore, gold, uranium, and base metals.

During the reporting year the following exploration activities took place:—

- Detailed gravity survey over two selected areas in the north of the tenement (Figure 2).
- Review and interpretation of geological and geophysical data and reports.

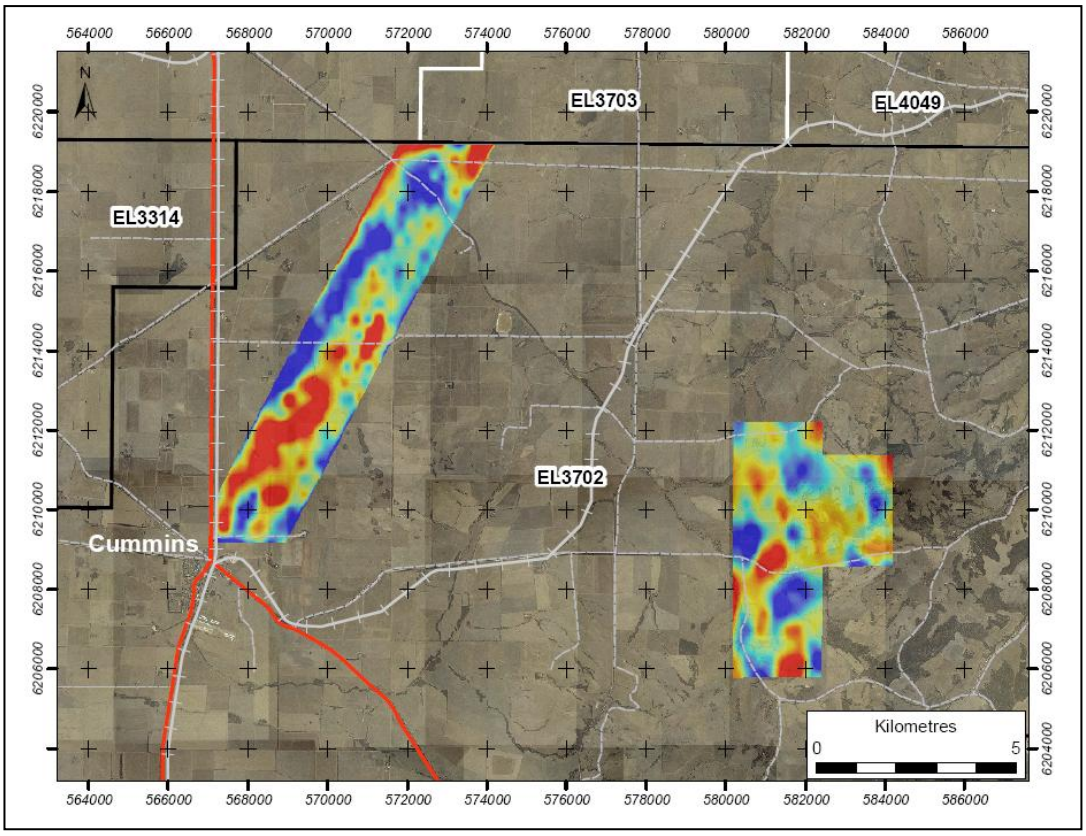


Figure 2. Location of gravity surveys on EL 3702 shown as first vertical derivatives.

2 Regional Geology

EL 3702 is in an area of sparse outcrop, most of which is weathered to depths of tens of metres. Cover units are Palaeogene to Quaternary sands, gravels, silts, clays, and calcrete. Mapped basement units are Warrow Quartzite, Cook Gap Schist, and Burrawing Amphibolite of the Hutchison Group, and a unit of the Moody Suite, mapped as Chinmina Syenite (LINCOLN 1:250,000 Geology Series SI 53-11, M.P. Schwarz, 2002).

Regional mapping and aeromagnetic data indicate that units of the Hutchison Group in the area may also include members of the Katunga Dolomite and Middleback Jaspilite, all within the Cleve Domain, bound by the Kalinjala Mylonite to the east and an un-named shear zone to the west. The Moody Suite, although probably emplaced during the *ca* 1720 Ma Kimban Orogeny, appears to form a pluton, raising the possibility of the presence of a pressure shadow and skarn mineralisation in a region about 12 km to 15 km east of Cummins.

3 Previous Exploration

Exploration within the area covered by EL 3702, includes searches for uranium, base metals, and mineral sands. Most drilling has occurred along existing roads, with virtually no exploration holes drilled east of 571200 mE (MGA94). All drilling reported below refers only to holes with EL 3702.

The region has been considered prospective for sediment hosted uranium in cover units and Pb-Zn-Ag mineralisation in Hutchison Group basement. The advent of sufficiently high resolution magnetic grids, from the early 1990s allowed identification of targets associated with BIFs in the basement.

Between 1971 and 1976, Le Nickel and Uranerz drilled a total of 17 rotary air/mud holes in their search for sedimentary uranium. No significant intersections were recorded. CRA Exploration drilled a rotary mud hole in 1981 into the Wanilla Formation as part of a program looking for coal and uranium. In 1984, they drilled a RAB hole as part of a program in search of base metals but abandoned this exploration due to difficulties in drilling through Tertiary cover and lack of any anomalous metal content returned in assayed samples. Goldstream Mining drilled a total of 13 aircore and RC holes but returned no significant results for targeted gold or base metals. They also found access to sites restrictive, due to thick scrub and thick Tertiary cover.

In late 1989 Southern Venture began a search for mineral sands in hypothesised Tertiary shorelines. Although anomalous ZrO_2 and TiO_2 were present, the lack of reworked marine sands diminished the possibility that minable quantities of mineral sands would be present. Within EL 3702, they drilled 140 RC holes to depths between 5 m and 51 m.

Dominion Mining took transfer of the lease in 1992 and explored for Broken Hill-type Pb-Zn-Ag-Au presumed to be associated with BIFs of the Hutchison Group. They drilled a further 61 RC holes (maximum depth 63 m). The best assay returned were 194 ppm Pb and 451 ppm Zn., only one order of magnitude above average crustal abundances. The highest value returned for Au was 180 ppb.

4 Results

4.1 Drilling

No drilling was undertaken during the reporting period. However, an Exploration Work Approval (EWA) request was prepared for drilling within the areas of detailed gravity surveys. The EWA was approved in early December 2008.

4.2 Gravity Survey

Gravity Survey

Although magnetisation in the region does not indicate the presence of thick sequences of magnetite BIF, comparisons with Centrex Metals Ltd's Wilgerup project—centred about 582000 mE, 6267000 mN MGA 53, about 60 km north-northeast of the town of Cummins—suggest that some magnetic units in the west of EL 3702, may be associated with minable quantities of hematite iron ore. To this end, detailed gravity surveys were commissioned.

Haines Surveys Pty Ltd acquired ground-based gravity measurements in two areas of the tenement, from mid May to early June 2008. Measurements were taken from a

total of 1,158 stations on a nominal grid of 1,173 stations spaced at 100 m on east-west lines 400 m apart. The survey was completed as specified with the exception of 15 station-locations, which could not be accessed. Due to the presence of outcrop, vegetation, fence lines, and dams, 20 stations were “off-grid” by more than 20 metres.

Data were processed by Cowan Geodata Services in Perth with grids of Gx, Gy, Gz, Gzz, Bouger anomalies, residual anomalies, and curvature produced. The data are being interpreted in-house with the aim of defining possible hematite targets for drilling.

Station locations and gravity data are given in the Appendix.

5 Expenditure

Expenditure 12 months to 31 January 2009

Geology - salaries	$36,354
Geology - materials, freight	$24
Geology - travel costs	$36
Geology - vehicle costs	$129
Geophysics - o/s contractors	$3,900
Surveys – gravity survey contractors	$81,900
JV costs - legal fees	$527
Miscellaneous items	$3,653
Management (12%)	$15,183
	$141,705

Appendix: Gravity data

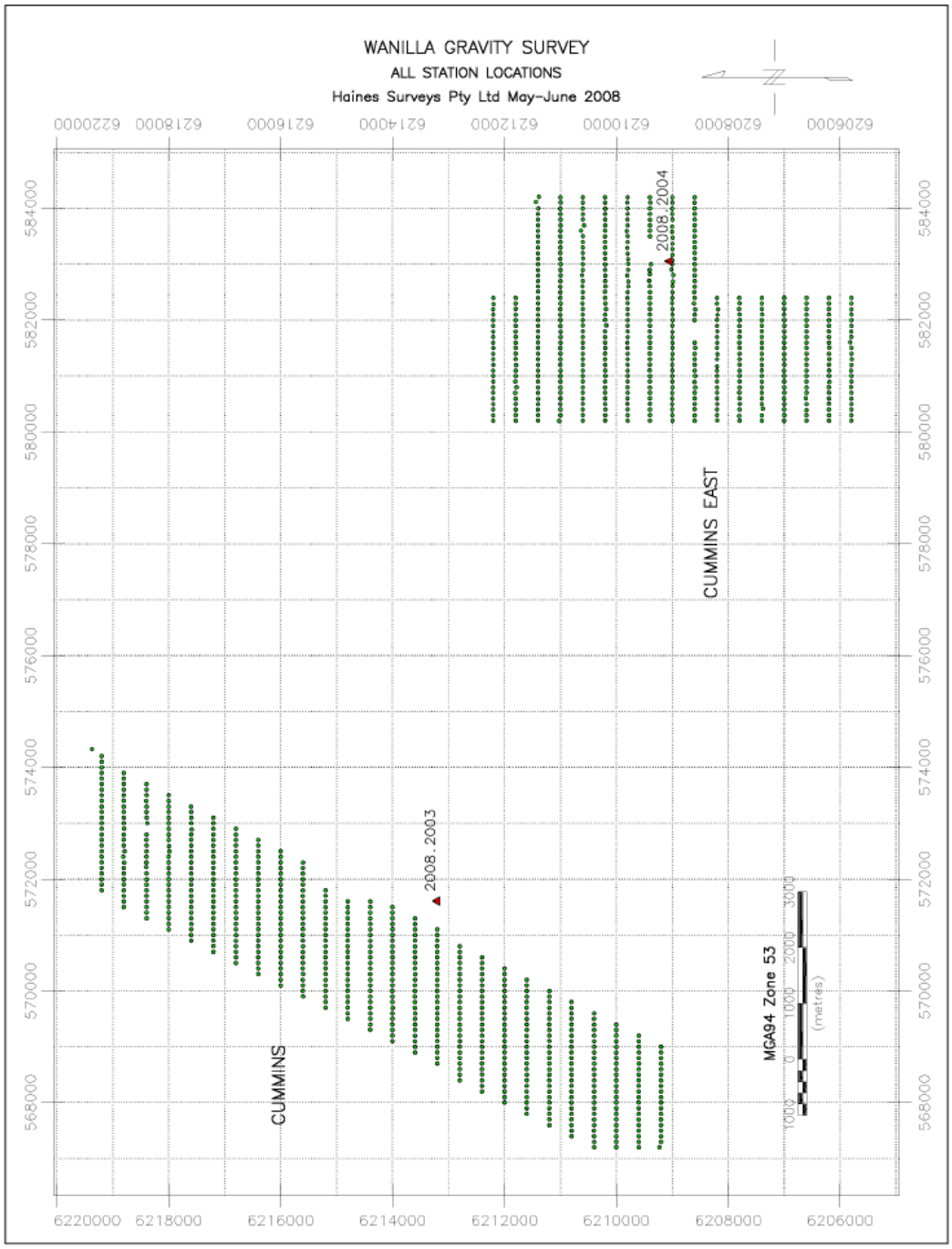


Figure A1. Location of gravity survey stations.

0820c

WANILLA GRAVITY SURVEY

LINCOLN MINERALS LIMITED

MAY-JUNE 2008

Contents

Introduction

A detail GPS gravity survey designated as Wanilla Gravity Survey has been carried out in two areas immediately north east and 15 kilometres east of the town of Cummins in South Australia over 24 days from 12 May 2008 to 5 June 2008 on behalf of Lincoln Minerals Limited.

The proposed survey comprised 2 components designated Cummins and Cummins East. Both grids were comprised west-east lines coincident with MGA94 with a line spacing of 400 metres and a station spacing of 100 metres. Cummins comprised 638 stations in 26 lines bounded by the polygon defined (from the south east corner) by MGA94 Zone 53 567200E 6209200N, 567200E 6210400N, 571800E 6219200N, 574200E 6219200N, and 569000E 6209200N. Cummins East comprised 535 stations in 17 lines bounded by the polygon defined by 580200E 6205800N, 580200E 6212200N, 582400E 6211400N, 584200E 6211400N, 584200E 6208600N, 582400E 6208600N and 582400E 6205800N. The total number of stations specified for both Grids was 1173. The survey was completed as specified with the exception of 8 stations on Cummins and 7 stations on Cummins East all due to inaccessibility (private garden, newly seeded paddocks, nervous cattle and impenetrable scrub) for a total of 1158 observed stations. There were a further 20 stations with proposed-observed station eccentricities greater than 20 metres due to vegetation, property boundaries, creek lines and dams. There were 51 observations repeated for quality control purposes giving a repeat rate of 4.4%.

The Bouguer anomaly processing has been performed using a country rock density of 2.67 g/cc. Plots and profiles in this report incorporate the previous survey.

Figure 1 below shows the location of the survey area.

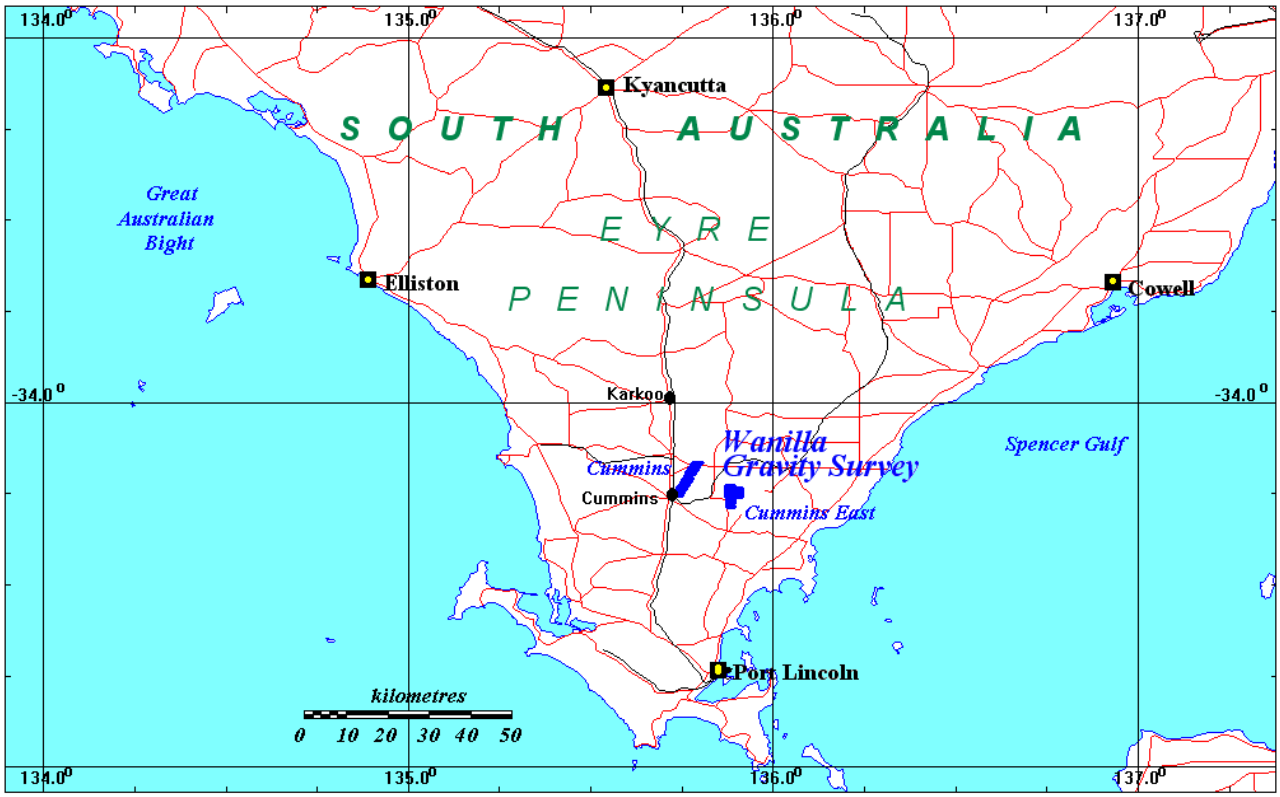


Figure 1. Location Diagram

Survey and Gravity Datum

Horizontal Datum: Geocentric Datum of Australia1994 (GDA94)
Map Grid of Australia 1994 (MGA94)
Zone 53

Vertical Datum: Australian Height Datum (AHD)

Gravity Datum: Isogal 1984/IGSN 71

Survey and Gravity Base Stations

One new base station was established in each survey area in positions to provide good VHF radio coverage for the RTK GPS system. The bases were designated as 2008.2003 and 2008.2004 and marked with a short star picket driven flush with the natural surface and witnessed by a 1 metre high star picket within 0.3m of the ground mark. An aluminium tag is attached to each witness picket marked with the inscription "Haines Surveys Gravity 2008.2003" etcetera.

Subsidiary bases designated 2008.2097 for 2008.2003 and 2008.2096 for 2008.2004 were located nearby each base to provide an additional check on the main base station loop ties. These are not marked but their navigational quality coordinates are listed in the table below.

Survey Control

Horizontal and vertical control for 2008.2003 and 2008.2004 has been established using the AUSPOS online GPS processing service provided by Geoscience Australia. This method provides control within the GDA94 Datum to within +/- 5 cm. It largely replaces the need for finding local survey marks or allows accurate control to be established when local marks are not available.

For 2008.2003 a total of 22.1 hours (at 15 second intervals) of observations were logged over 4 days. The following outlines the Cartesian coordinate precision obtained for each day.

1 Sigma	sX(m)	sY(m)	sZ(m)	yyyy/mm/dd
2003	0.009	0.012	0.006	2008/05/17
2003	0.006	0.006	0.003	2008/05/18
2003	0.003	0.006	0.003	2008/05/20
2003	0.006	0.009	0.006	2008/05/21

For 2008.2004 a total of 29.8 hours of observations were logged over 4 days giving the following:

1 Sigma	sX(m)	sY(m)	sZ(m)	yyyy/mm/dd
2004	0.004	0.008	0.008	2008/05/26
2004	0.007	0.010	0.007	2008/05/27
2004	0.006	0.010	0.006	2008/05/28
2004	0.006	0.006	0.006	2008/05/31

Since GDA94 and WGS84 (Global Positioning System Datum) are virtually equivalent the GDA94 values can be directly input into the GPS processing software for all calculations.

Vertical control has been converted to an Australian Height Datum (AHD) height using the GDA94 height determined from AUSPOS and the AUSGEOID98 gravimetric geoid.

Gravity Control

Gravity control for 2008.2003 base has been established on the Australian Fundamental Gravity Network (Isogal 1984/IGSN 71) using repeated loops opening and closing on the previously established Haines Survey gravity base 2008.2001 (see the report "Cummins Gravity Survey March-May 2008" for Lincoln Minerals Limited) using control values obtained from Haines Surveys records.

Gravity control for 2008.2004 base has been established using repeated loops opening and closing on 2008.2003.

Survey and Gravity Control Values

WANILLA SURVEY / GRAVITY CONTROL

	GDA94			MGA94 Zone 53		AHD	Isogal84
Station	Latitude	Longitude	Height	Easting	Northing	Height	Gravity mgal
2008.2001	-34° 08' 16.03503"	135° 49' 38.15695"	185.389	576273.623	6222257.222	189.579	979636.430
2008.2003	-34° 13' 11.32322"	135° 46' 38.65802"	114.801	571607.033	6213198.062	119.334	979663.060
2008.2004	-34° 15' 22.96724"	135° 54' 07.39955"	259.408	583053.031	6209048.513	263.539	979635.610
2008.2096	-34° 15' 36.0"	135° 52' 19.3"	145	580285	6208670	150	979659.780
2008.2097	-34° 12' 44.8"	135° 46' 34.8"	90	571515	6214015	95	979665.650

GPS Observations and Processing

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

Measurements for gravity observations have been made using the Real Time Kinematic (RTK) technique and the post processed Fast Static technique both of which give horizontal and vertical precisions of at least 5 cm.

Static baseline processing has been completed using Trimble GPSurvey version 2.30 software.

RTK processing has been has been completed using Trimble TSC1 firmware and Trimble Geomatics Office version 1.50 software.

Gravity Observations

Gravity measurements have been made using *Scintrex CG5 Autograv* instruments numbered 919100177 and 9040379.

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 day's fieldwork.

The CG5 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.

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 indicate the station number

For this survey all lines are west-east on MGA94 and the 8 digits are constructed from the planned coordinates for each gravity station using:

Line No = (MGA N – 6200000) /100 Station No = (MGA E – 500000)/10

For example:

Planned gravity station coordinates

6205800.000N 580200.000E

Line No = 0580 Station No = 8020

That is, Pt No = 05808020

Station numbers have not been expanded in the processed data.

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 provided by *Geoscience Australia*.

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.

$$\text{Drift} = [\,(t_1 - t_n)\,((b_2 - b_1)/(t_2 - t_1))\,]$$

t_n = time of meter reading at each station
b_1 = base meter reading prior to station reading
t_1 = time of base reading b_1
b_2 = base meter reading after station reading
t_2 = time of base reading b_2

Observed Gravity

This is the observed gravity value in milligals.

$$\text{Obs\_g} = b_g + (r_n - \text{drift}) - b_1$$

b_g = base stn gravity value (Isogal84)
r_n = meter reading at each station as shown in the gravity meter log file
drift = residual drift correction as shown above
b_1 = base meter reading prior to station reading

Anomaly

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

$g_{th} = 978031.8 \ (1 + 0.0053024 \sin^2\phi - 0.0000059 \sin^2 2\phi)$

ϕ = WGS84 Latitude

Free Air Correction

The freeair correction is calculated using

$Freeair = 0.3086 H$

H = height above sea level (AHD height)

Bouguer Correction

$Bouguer = -0.04191 \rho H$

ρ = density (2.67 g/cc used for this survey)

H = height above sea level (AHD height)

Bouguer Anomaly

Bouguer Anom = Anom + Freeair + Bouguer

Results Formats

Printed results of the gravity processing (with Bouguer corrections at density 2.67 g/cc) are included in the Appendix of this report. The results are also supplied in digital form on compact disk with the following of files being supplied.
WanillaCummins.CSV, WanillaCumminsEast.CSV, REPEATS.REP

<Component>.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#"	Station identifiers used in data loggers, line and station numbers combined
"Line"	Station line number
"Stn"	Station number
"Date"	Date of observation
"Day"	GPS day number
"Time"	Time of observation
"GDA94_Lat"	WGS84/GDA94 Latitude used in GPS observation
"GDA94_Long"	WGS84/GDA94 Longitude used in GPS observation
"GDA94_Ht"	Height above the ellipsoid defined by the WGS84 Datum
"MGA94(ZONE53)E"	Easting value for observation on the MGA94/GDA94 Datum
"MGA94(ZONE53)N"	Northing value for observation on the MGA94/GDA94 Datum
"AHD_Ht"	Height of observation in the Australian Height Datum
"Meter_Ser_No"	Gravity meter serial number
"Meter_Rdg"	Gravity meter observation value in mGals
"Meter_Error"	Measurement of the quality of the gravity observation (a function of the SD of the observation set used and the duration of the set)
"ETC"	Earth Tide Correction applied to the gravity observation
"Drift"	The component of the meter drift between opening and closing gravity base observations applied to the observation
"Corr_Meter"	The meter observation with the drift applied
"dg"	The difference in gravity between the base and the observation
"Obs_g"	Observed gravity of the station (Isogal84)
"Anom"	Difference between observed and theoretical gravity
"Freeair"	Free air correction (see above)
"Bouguer(2.67)"	Bouguer correction using a density of 2.67g/cc (see above)
"Bouguer_Anom"	Bouguer anomaly (see above)

REPEATS.REP Format

This file contains the stations that were repeated for quality control purposes. The repeats are generally selected at random but it is usual that the last observation of the day is reobserved as the first observation the following day. Depending on access and the logistics within the project, repeat stations are also attempted on points surveyed during the middle of the previous day. Quite often, repeats are taken at locations which are readily accessible eg, stations near tracks and fencelines. The REPEATS.REP file has the following format: Essentially the original observation is listed with the repeat observation listed below then the difference between the two listed.

```
Pt #   Day                              E          N          H          G      Bouguer

Pt #   Day(original observation)        E          N          H          G      Bouguer
Pt #   Day(repeat observation)          E          N          H          G      Bouguer
                                  Diff. E    Diff. N   Diff H.  Diff. G    Diff. B.
```

Field gravity observation files with the extension .DAT and .DC and GPS solution summary files with the extension .GPS are also supplied in a subdirectory named OBS.

*.txt

These are the raw data files from the *Scintrex CG5* gravimeter. There is a separate file for each day's data. The files are identified by the Julian day number (001 = Jan 1st) with the prefix G. eg. G140 = day 140 (19th May).

*.DC

These are the GPS Real Time Kinematic Survey Collector files. They are ASCII format files containing the GPS vectors from the base station. The data is structured in a Trimble format (DC file Version 7).

*.GPS

These are the GPS solution summaries for post processed Fast Static and Kinematic baselines. Each record (line) contains the following data fields:
Station, Solution Type, GPS Time, WGS84 Latitude, WGS84 Longitude, WGS84 Height, WGS84 dX, WGS84 dY, WGS84 dZ, Wgs84 dH, Baseline Distance, Solution Reference Variance, Solution RMSE, Rover Antenna Height, Baseline Standard Deviation , Solution Variance Ratio, Observation Count/Rejects, Observation Start time, Observation Finish time

PRODUCTION LOG

Wanilla Gravity Survey Production Log

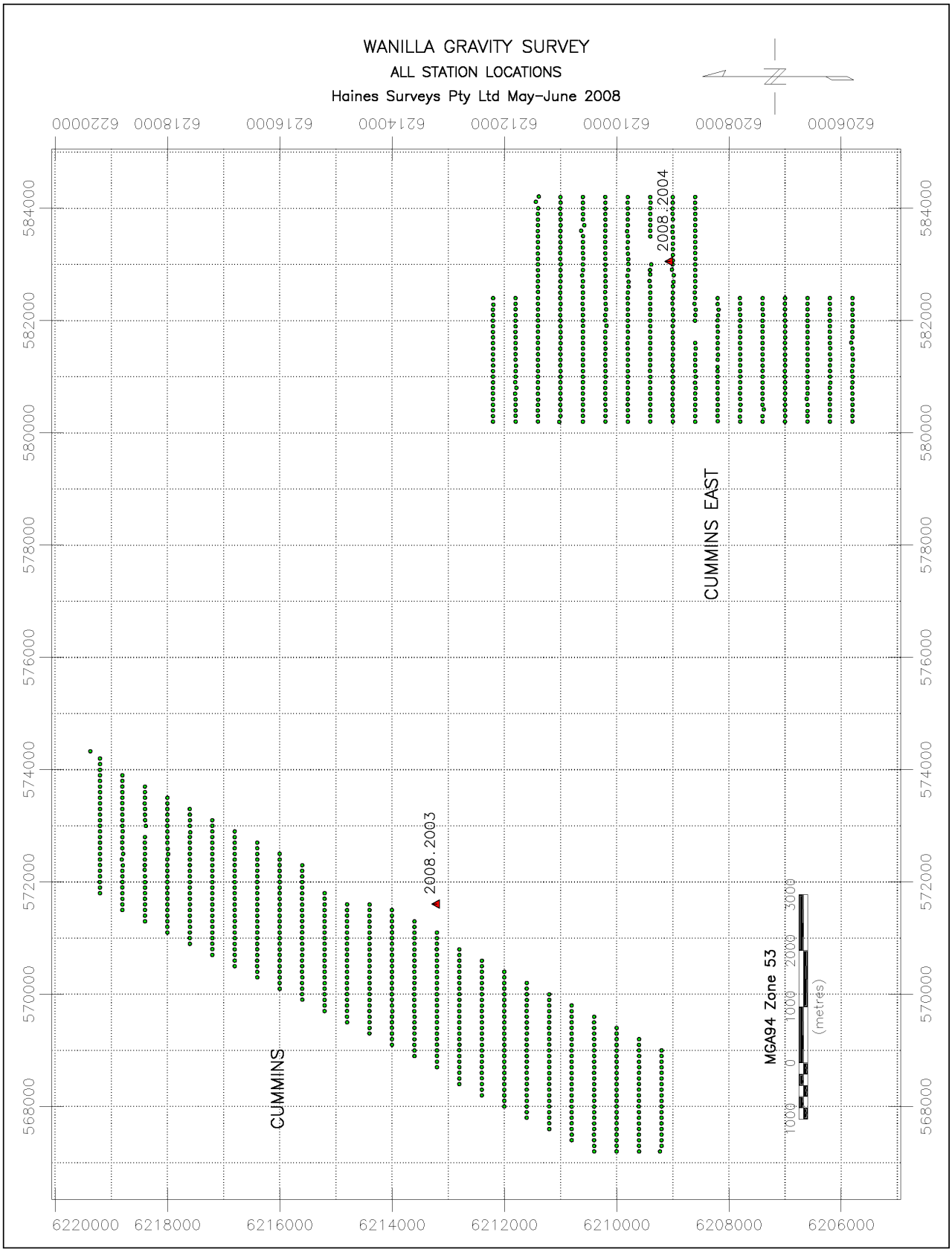
Date	GPS Day	Observed	Repeats	Comments
12-May-08	D133	10		Mobilise to Cummins ex Pt Lincoln Commence Cummins Grid
13-May-08	D134	54	3	Continue Gravity Survey
14-May-08	D135	25	3	Continue Gravity Survey - landholder liaison
15-May-08	D136	33	4	Continue Gravity Survey - Weather
16-May-08	D137			Continue Gravity Survey - Weather - Control only
17-May-08	D138	13	2	Continue Gravity Survey - Weather
18-May-08	D139	40	2	Continue Gravity Survey - Weather
19-May-08	D140	76	2	Continue Gravity Survey
20-May-08	D141	24	2	Continue Gravity Survey - Weather
21-May-08	D142	69	2	Continue Gravity Survey
22-May-08	D143	79	2	Continue Gravity Survey
23-May-08	D144	57	2	Continue Gravity Survey
24-May-08	D145	80	4	Continue Gravity Survey
25-May-08	D146	70	2	Complete Cummins Grid
26-May-08	D147	7		Commence Cummins East Grid - Weather
27-May-08	D148	42	2	Continue Gravity Survey
28-May-08	D149	41	2	Continue Gravity Survey
29-May-08	D150	62	2	Continue Gravity Survey
30-May-08	D151	61	3	Continue Gravity Survey
31-May-08	D152	70	3	Continue Gravity Survey
01-Jun-08	D153	47	2	Continue Gravity Survey
02-Jun-08	D154	72	2	Continue Gravity Survey
03-Jun-08	D155	62	2	Continue Gravity Survey
04-Jun-08	D156	55	2	Continue Gravity Survey
05-Jun-08	D157	9	2	Complete Cummins East Grid - Weather, stock and thick scrub
06-Jun-08	D158			Depart Cummins and Return to Adelaide
	Total	1158	52	

Repeat Observation Results

Pt	Day1	Day2	Diff E	Diff N	Diff Hgt	Diff g	Diff BAn	Vector	Abs Diff g	Abs Diff BAn
21927420	124	134	0.253	-0.119	-0.034	-0.038	-0.045	0.280	0.038	0.045
19207350	133	134	-0.006	-0.010	0.011	-0.012	-0.010	0.012	0.012	0.010
19207360	133	134	0.034	0.003	0.001	-0.014	-0.014	0.034	0.014	0.014
18407230	134	135	0.094	0.131	0.011	-0.002	0.001	0.161	0.002	0.001
18807150	134	135	0.058	0.039	0.013	0.030	0.033	0.070	0.030	0.033
18007140	135	136	0.216	0.054	-0.025	0.000	-0.005	0.223	0.000	0.005
18007240	135	136	-0.064	-0.047	-0.011	0.018	0.016	0.079	0.018	0.016
18007250	135	136	-0.006	-0.101	-0.056	0.004	-0.008	0.101	0.004	0.008
18407220	135	136	-0.141	0.032	-0.050	0.037	0.027	0.145	0.037	0.027
17607110	136	138	-0.093	-0.075	-0.005	0.021	0.020	0.119	0.021	0.020
17607170	136	138	-0.015	0.126	-0.057	0.012	0.001	0.127	0.012	0.001
17607180	136	139	-0.143	0.067	0.000	-0.012	-0.012	0.158	0.012	0.012
17207170	138	139	0.025	0.001	-0.004	-0.018	-0.019	0.025	0.018	0.019
17207160	138	140	-0.038	0.149	0.012	-0.028	-0.025	0.154	0.028	0.025
16007240	139	140	0.006	-0.021	0.017	0.000	0.003	0.022	0.000	0.003
15607030	140	141	0.056	0.063	-0.013	0.006	0.004	0.084	0.006	0.004
15607160	140	141	0.120	-0.002	-0.013	0.019	0.016	0.120	0.019	0.016
14806980	141	142	0.062	0.037	0.044	0.003	0.012	0.072	0.003	0.012
15207150	141	142	0.020	0.010	0.007	-0.009	-0.007	0.022	0.009	0.007
13607120	142	143	0.036	0.024	0.027	-0.006	-0.001	0.043	0.006	0.001
13607130	142	143	0.058	0.081	0.013	-0.003	0.000	0.100	0.003	0.000
12807080	143	144	-0.053	0.047	0.025	-0.018	-0.012	0.071	0.018	0.012
13207110	143	144	0.085	-0.029	-0.028	-0.007	-0.013	0.090	0.007	0.013
11606990	144	145	-0.046	-0.017	0.007	-0.006	-0.005	0.049	0.006	0.005
12006860	144	145	0.068	0.040	-0.079	-0.005	-0.021	0.079	0.005	0.021
12006870	144	145	0.177	0.033	-0.028	-0.001	-0.006	0.180	0.001	0.006
12006890	144	145	0.035	0.007	0.021	0.004	0.008	0.036	0.004	0.008
13607130	142	146	0.007	0.173	-0.003	-0.010	-0.010	0.173	0.010	0.010
10806920	145	146	-0.102	-0.034	-0.021	0.006	0.002	0.108	0.006	0.002
09008310	147	148	-0.051	-0.053	-0.021	0.009	0.004	0.074	0.009	0.004
09008350	147	148	-0.074	-0.054	0.002	0.004	0.005	0.092	0.004	0.005
09808350	148	149	0.061	0.058	0.025	0.012	0.017	0.084	0.012	0.017
10608420	148	149	-0.516	-0.014	-0.001	-0.008	-0.008	0.516	0.008	0.008
09008340	147	150	-0.100	0.034	0.016	-0.003	0.000	0.106	0.003	0.000
11808040	149	150	-0.077	0.010	0.014	-0.009	-0.006	0.078	0.009	0.006
10208360	148	151	0.017	-0.078	-0.040	0.002	-0.006	0.080	0.002	0.006
11008330	149	151	-0.084	-0.050	0.000	0.002	0.002	0.098	0.002	0.002
11008070	150	151	0.045	-0.088	0.044	-0.008	0.001	0.099	0.008	0.001
09408380	148	152	-0.041	-0.101	-0.049	0.008	-0.002	0.109	0.008	0.002
10208320	151	152	0.241	0.071	-0.013	-0.010	-0.013	0.251	0.010	0.013
10608160	151	152	-0.864	0.564	-0.010	0.000	-0.002	1.032	0.000	0.002
09408210	152	153	0.038	-0.085	-0.017	-0.004	-0.007	0.093	0.004	0.007
09408220	152	153	0.115	0.072	-0.014	-0.010	-0.013	0.136	0.010	0.013
09008420	148	154	0.073	-0.081	0.012	-0.005	-0.003	0.109	0.005	0.003
09408290	153	154	0.047	-0.036	-0.027	0.001	-0.004	0.059	0.001	0.004
08608240	154	155	0.133	-0.059	-0.046	-0.008	-0.017	0.145	0.008	0.017
08608250	154	155	-0.008	-0.036	0.084	-0.002	0.014	0.037	0.002	0.014
09808260	152	156	-0.003	-0.059	-0.001	0.007	0.007	0.059	0.007	0.007
06608040	155	156	-0.124	-0.053	-0.024	-0.012	-0.017	0.135	0.012	0.017
09408290	153	157	-0.124	0.285	-0.033	0.004	-0.002	0.311	0.004	0.002
08608240	154	157	-0.062	0.191	-0.091	-0.003	-0.021	0.201	0.003	0.021

Mean	-0.001	-0.003	0.134	0.009	0.010
Min	-0.038	-0.045	0.012	0.000	0.000
Max	0.037	0.033	1.032	0.038	0.045
Count	51	51	51	51	51
SD	0.013	0.014	0.154	0.009	0.009

Plots


WANILLA GRAVITY SURVEY
ALL STATION LOCATIONS
Haines Surveys Pty Ltd May-June 2008
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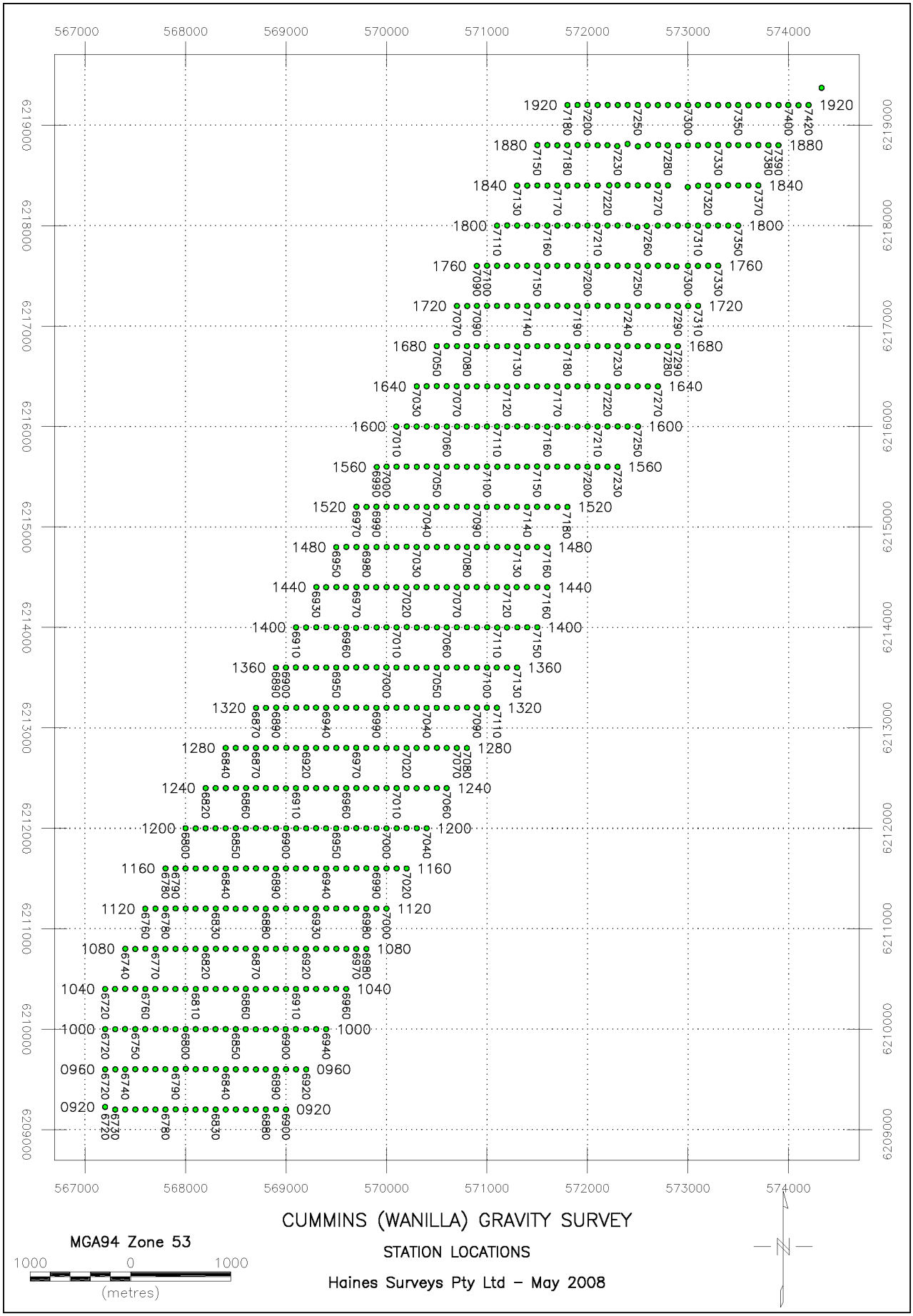
6216000
6214000
6212000
6210000
6208000
6206000
584000
582000
580000
578000
576000
574000
572000
570000
568000
2008.2004
2008.2003
CUMMINS
CUMMINS EAST
MGA94 Zone 53
1000 0 1000 2000 3000
(metres)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1800
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1720
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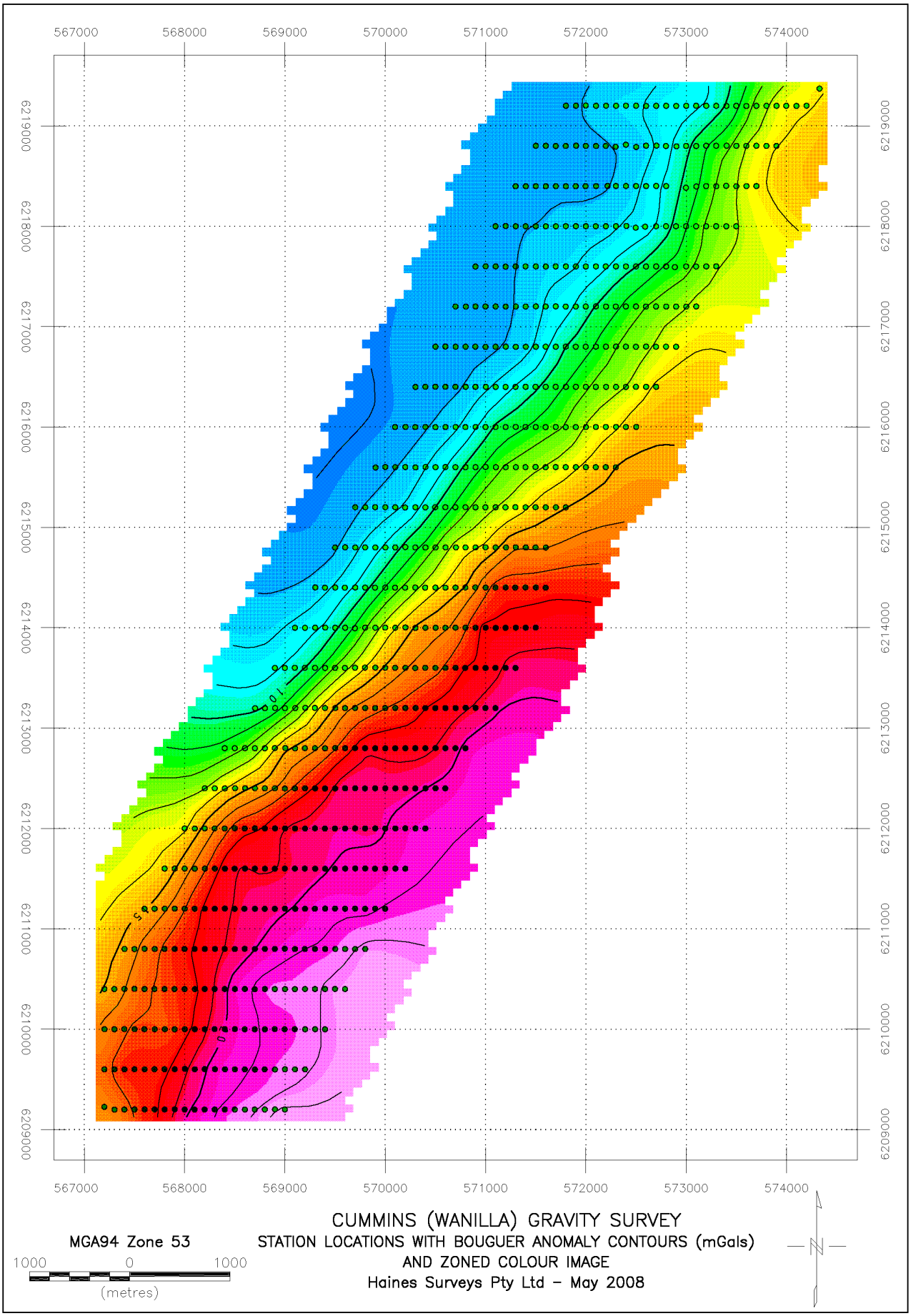
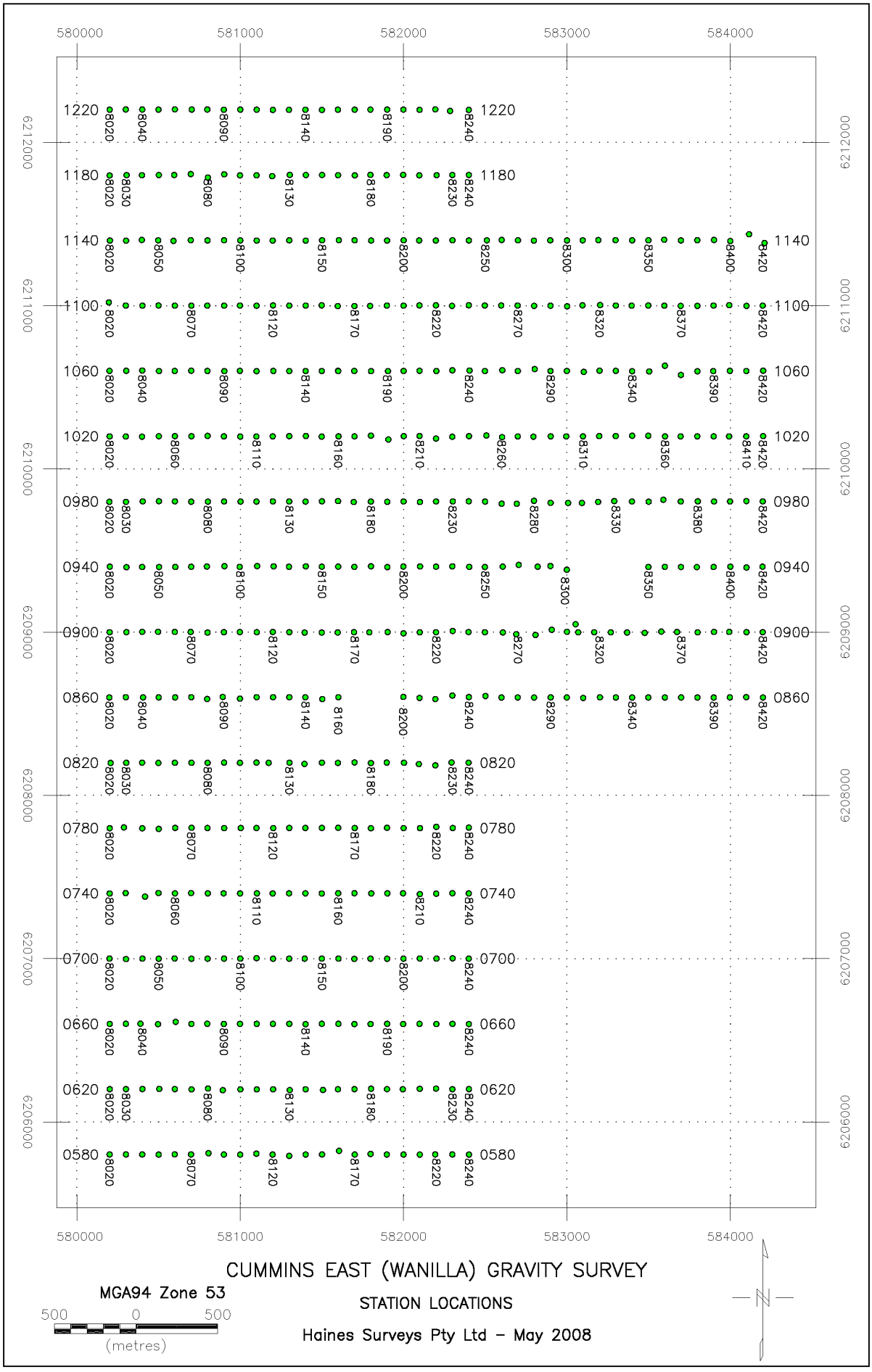
1520
1480
1440
1400
1360
1320
1280
1240
1200
1160
1120
1080
1040
1000
0960
0920
CUMMINS (WANILLA) GRAVITY SURVEY
STATION LOCATIONS
Haines Surveys Pty Ltd – May 2008
MGA94 Zone 53
1000 0 1000
(metres)


567000
568000
569000
570000
571000
572000
573000
574000
6219000
6218000
6217000
6216000
6215000
6214000
6213000
6212000
6211000
6210000
6209000
CUMMINS (WANILLA) GRAVITY SURVEY
STATION LOCATIONS WITH BOUGUER ANOMALY CONTOURS (mGals)
AND ZONED COLOUR IMAGE
Haines Surveys Pty Ltd – May 2008
MGA94 Zone 53
1000 0 1000
(metres)
N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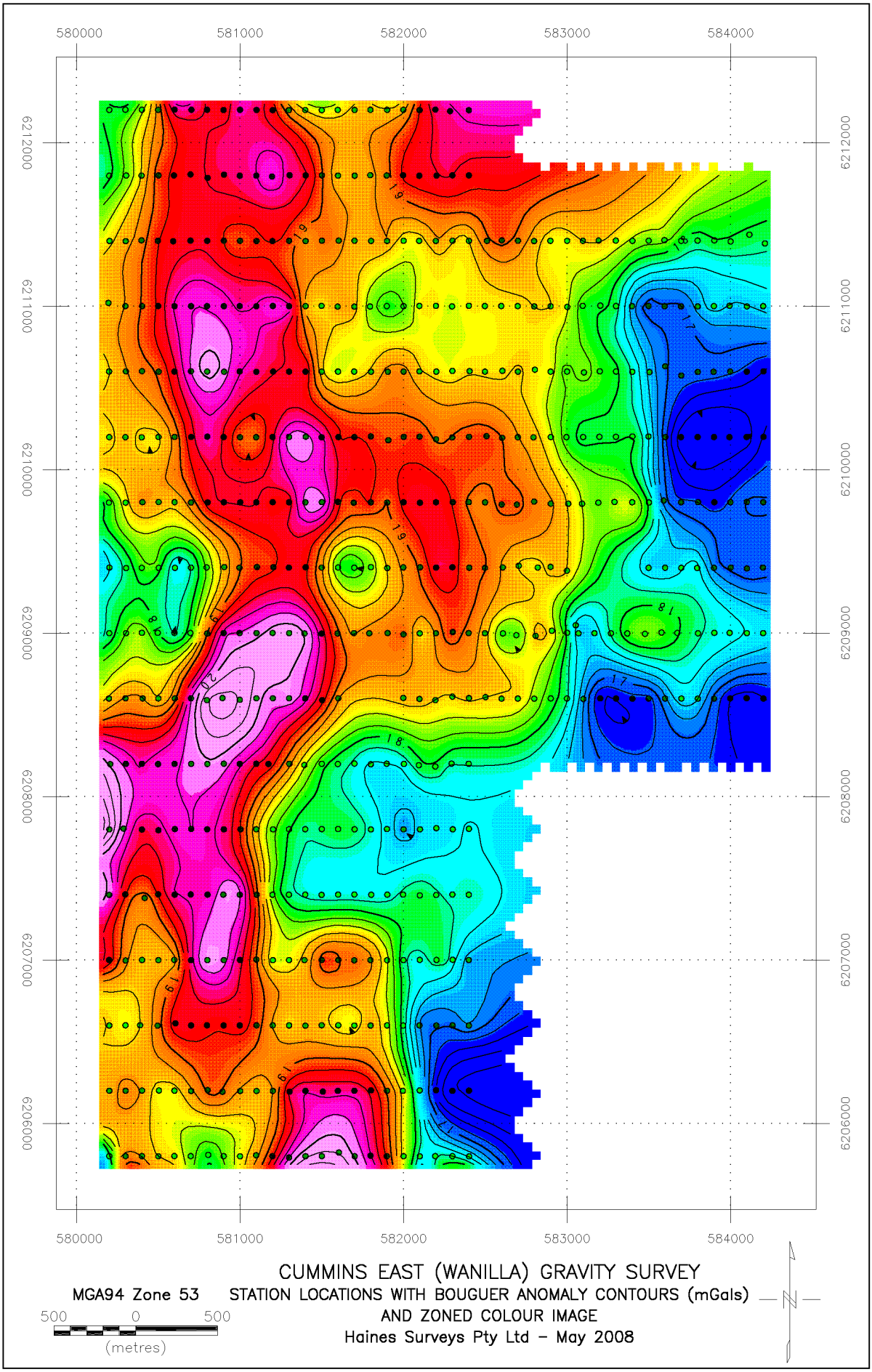
581000
582000
583000
584000
6212000
6211000
6210000
6209000
6208000
6207000
6206000
CUMMINS EAST (WANILLA) GRAVITY SURVEY
MGA94 Zone 53
STATION LOCATIONS
500 0 500
(metres)
Haines Surveys Pty Ltd – May 2008


580000
581000
582000
583000
584000
6212000
6211000
6210000
6209000
6208000
6207000
6206000
CUMMINS EAST (WANILLA) GRAVITY SURVEY
MGA94 Zone 53
STATION LOCATIONS WITH BOUGUER ANOMALY CONTOURS (mGals)
AND ZONED COLOUR IMAGE
Haines Surveys Pty Ltd – May 2008
500 0 500
(metres)

Gravity Processing Results

Cummins

MGA94 ZONE 53 E	N	GRID Line	Stn	drift	corr'd meter	obs mgal	anom	freeair corrn	bouguer corrn (2.67)	bouguer anom	height (AHD)
D133											
576273.6	6222257.2	0	2001	+0.000	3490.903	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	+0.000	3490.903	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	-0.056	3490.903	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	+0.000	3490.959	979636.430	-23.583	58.504	-21.214	13.707	189.579
573299.7	6219199.6	1920	7330	-0.028	3507.283	979652.810	-9.536	29.735	-10.782	9.417	96.355
573400.7	6219199.4	1920	7340	-0.027	3508.240	979653.767	-8.579	29.239	-10.602	10.058	94.747
573499.0	6219199.8	1920	7350	-0.026	3508.837	979654.364	-7.981	29.346	-10.641	10.724	95.094
573599.8	6219198.1	1920	7360	-0.024	3509.374	979654.901	-7.445	29.843	-10.821	11.577	96.704
573699.7	6219199.6	1920	7370	-0.023	3509.800	979655.327	-7.017	30.339	-11.001	12.321	98.313
573800.5	6219200.2	1920	7380	-0.022	3510.166	979655.693	-6.650	30.687	-11.127	12.910	99.441
573900.6	6219199.8	1920	7390	-0.021	3510.248	979655.775	-6.568	31.288	-11.345	13.375	101.387
573997.4	6219200.2	1920	7400	-0.020	3510.039	979655.566	-6.776	32.230	-11.687	13.767	104.439
574099.3	6219198.6	1920	7410	-0.018	3509.519	979655.046	-7.296	33.116	-12.008	13.812	107.311
574199.3	6219200.5	1920	7420	-0.016	3508.919	979654.446	-7.894	33.985	-12.323	13.768	110.127
D134											
576273.6	6222257.2	0	2001	+0.000	3491.073	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	+0.000	3491.073	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	-0.047	3491.073	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	+0.000	3491.120	979636.430	-23.583	58.504	-21.214	13.707	189.579
572299.0	6218401.8	1840	7230	-0.040	3507.817	979653.174	-9.782	26.641	-9.660	7.199	86.330
572399.9	6218401.0	1840	7240	-0.040	3507.797	979653.154	-9.803	27.103	-9.828	7.473	87.827
572500.3	6218400.6	1840	7250	-0.039	3507.655	979653.012	-9.944	27.807	-10.083	7.780	90.107
572600.2	6218400.3	1840	7260	-0.039	3507.821	979653.178	-9.778	28.414	-10.303	8.333	92.074
572700.5	6218401.0	1840	7270	-0.039	3508.156	979653.513	-9.442	28.732	-10.418	8.872	93.103
572800.2	6218400.5	1840	7280	-0.038	3508.562	979653.919	-9.035	28.507	-10.337	9.135	92.374
572997.1	6218384.2	1840	7300	-0.037	3510.218	979655.575	-7.391	27.793	-10.078	10.324	90.060
573100.7	6218396.5	1840	7310	-0.036	3510.654	979656.011	-6.945	27.940	-10.131	10.864	90.538
573198.8	6218399.9	1840	7320	-0.036	3510.927	979656.284	-6.668	28.296	-10.260	11.368	91.692
573299.6	6218398.4	1840	7330	-0.035	3511.323	979656.680	-6.273	28.754	-10.426	12.055	93.176
573398.9	6218402.3	1840	7340	-0.035	3511.428	979656.785	-6.165	29.182	-10.582	12.436	94.563
573499.8	6218399.7	1840	7350	-0.034	3511.676	979657.033	-5.918	29.669	-10.758	12.993	96.142
573600.4	6218400.2	1840	7360	-0.034	3511.722	979657.079	-5.871	30.324	-10.996	13.458	98.263
573699.6	6218400.4	1840	7370	-0.033	3511.717	979657.074	-5.875	30.922	-11.212	13.834	100.201
571500.7	6218801.3	1880	7150	-0.013	3505.345	979650.702	-11.957	29.243	-10.604	6.683	94.759
571600.5	6218801.7	1880	7160	-0.014	3505.649	979651.006	-11.652	28.845	-10.459	6.734	93.471
571699.7	6218798.9	1880	7170	-0.014	3505.788	979651.145	-11.514	28.486	-10.329	6.643	92.307
571799.0	6218800.6	1880	7180	-0.015	3505.919	979651.276	-11.381	28.246	-10.242	6.623	91.531
571902.4	6218802.5	1880	7190	-0.015	3506.023	979651.380	-11.275	28.199	-10.225	6.699	91.377
571999.5	6218800.5	1880	7200	-0.015	3506.130	979651.487	-11.169	28.012	-10.157	6.686	90.772
572100.6	6218799.8	1880	7210	-0.016	3506.298	979651.655	-11.001	27.942	-10.132	6.809	90.543
572198.4	6218800.4	1880	7220	-0.016	3506.515	979651.872	-10.783	27.761	-10.066	6.912	89.958
572296.1	6218791.5	1880	7230	-0.017	3506.480	979651.837	-10.824	28.014	-10.158	7.032	90.778
572398.9	6218812.5	1880	7240	-0.017	3506.598	979651.955	-10.690	28.191	-10.222	7.279	91.351
572501.3	6218789.3	1880	7250	-0.017	3506.792	979652.149	-10.513	28.176	-10.217	7.447	91.303
572599.7	6218802.6	1880	7260	-0.018	3506.724	979652.081	-10.570	28.711	-10.411	7.730	93.036
572703.8	6218803.0	1880	7270	-0.018	3506.518	979651.875	-10.775	29.482	-10.690	8.016	95.534
572798.0	6218799.6	1880	7280	-0.018	3506.718	979652.075	-10.577	30.150	-10.932	8.640	97.699
572902.9	6218796.6	1880	7290	-0.019	3507.192	979652.549	-10.105	30.419	-11.030	9.284	98.570
572999.1	6218800.5	1880	7300	-0.024	3507.719	979653.076	-9.574	30.214	-10.956	9.684	97.907
573099.6	6218799.4	1880	7310	-0.024	3508.511	979653.868	-8.783	30.088	-10.910	10.396	97.499
573199.5	6218802.2	1880	7320	-0.024	3509.345	979654.702	-7.946	29.657	-10.754	10.958	96.102
573299.0	6218801.8	1880	7330	-0.025	3509.991	979655.348	-7.300	29.182	-10.581	11.301	94.561
573403.2	6218802.5	1880	7340	-0.025	3510.704	979656.061	-6.585	28.710	-10.410	11.714	93.032
573499.9	6218800.9	1880	7350	-0.026	3511.287	979656.644	-6.003	28.777	-10.435	12.339	93.250
573599.8	6218800.9	1880	7360	-0.026	3511.561	979656.918	-5.728	29.505	-10.699	13.078	95.608
573700.0	6218802.0	1880	7370	-0.027	3511.426	979656.783	-5.862	30.304	-10.988	13.454	98.199
573799.8	6218800.3	1880	7380	-0.028	3510.865	979656.222	-6.424	31.403	-11.387	13.592	101.760
573899.5	6218800.6	1880	7390	-0.028	3510.480	979655.837	-6.808	32.706	-11.859	14.039	105.981
571800.7	6219200.0	1920	7180	-0.012	3504.247	979649.604	-12.751	30.648	-11.113	6.784	99.314
571900.9	6219201.0	1920	7190	-0.012	3504.506	979649.863	-12.490	30.314	-10.992	6.832	98.232
571998.7	6219202.8	1920	7200	-0.012	3504.906	979650.263	-12.088	30.125	-10.924	7.113	97.619
572100.8	6219200.1	1920	7210	-0.011	3505.081	979650.438	-11.915	30.188	-10.946	7.327	97.824
572201.1	6219200.3	1920	7220	-0.011	3504.756	979650.113	-12.239	31.168	-11.302	7.627	100.997
572301.0	6219200.1	1920	7230	-0.010	3504.901	979650.258	-12.094	31.209	-11.317	7.799	101.131
572399.6	6219200.4	1920	7240	-0.010	3505.162	979650.519	-11.832	30.870	-11.194	7.845	100.034
572500.7	6219200.8	1920	7250	-0.010	3505.369	979650.726	-11.624	30.645	-11.112	7.909	99.302
572599.8	6219199.2	1920	7260	-0.010	3505.794	979651.151	-11.200	30.181	-10.944	8.037	97.799
572700.5	6219199.7	1920	7270	-0.009	3505.964	979651.321	-11.029	30.244	-10.967	8.249	98.004
572800.2	6219199.8	1920	7280	-0.009	3505.609	979650.966	-11.383	31.242	-11.328	8.530	101.237
572900.1	6219198.8	1920	7290	-0.008	3505.379	979650.736	-11.613	31.627	-11.468	8.546	102.485
573000.3	6219199.8	1920	7300	-0.008	3505.479	979650.836	-11.512	31.633	-11.470	8.651	102.506
573099.2	6219200.7	1920	7310	-0.007	3505.979	979651.336	-11.011	31.179	-11.306	8.863	101.033
573199.7	6219200.1	1920	7320	-0.007	3506.655	979652.012	-10.335	30.468	-11.048	9.086	98.730

573499.0	6219199.9	1920	7350	-0.006	3509.019	979654.376	-7.969	29.343	-10.640	10.734	95.083
573599.8	6219198.1	1920	7360	-0.042	3509.558	979654.915	-7.431	29.843	-10.821	11.591	96.703
574329.0	6219371.3	2192	7420	-0.030	3508.527	979653.884	-8.326	34.821	-12.626	13.868	112.834
D135											
576273.6	6222257.2	0	2001	+0.000	3595.269	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	+0.000	3595.269	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	-0.071	3595.269	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	+0.000	3595.340	979636.430	-23.583	58.504	-21.214	13.707	189.579
571099.5	6217999.5	1800	7110	-0.043	3611.661	979652.822	-10.446	26.620	-9.652	6.521	86.259
571200.3	6218001.4	1800	7120	-0.044	3612.340	979653.501	-9.765	25.903	-9.393	6.745	83.937
571299.9	6218000.2	1800	7130	-0.045	3612.653	979653.814	-9.452	25.545	-9.263	6.830	82.778
571399.7	6218000.1	1800	7140	-0.046	3612.864	979654.025	-9.241	25.462	-9.233	6.989	82.508
571499.7	6217999.9	1800	7150	-0.047	3612.868	979654.029	-9.236	25.492	-9.243	7.012	82.604
571600.0	6218000.2	1800	7160	-0.048	3612.844	979654.005	-9.260	25.635	-9.295	7.080	83.069
571700.1	6217999.7	1800	7170	-0.050	3613.063	979654.224	-9.041	25.581	-9.276	7.265	82.894
571799.7	6218001.0	1800	7180	-0.051	3613.283	979654.444	-8.819	25.443	-9.226	7.398	82.445
571900.4	6218000.9	1800	7190	-0.051	3613.239	979654.400	-8.862	25.542	-9.261	7.418	82.766
571999.6	6218000.6	1800	7200	-0.053	3613.215	979654.376	-8.886	25.660	-9.305	7.470	83.151
572098.4	6218000.2	1800	7210	-0.053	3613.117	979654.278	-8.984	25.866	-9.379	7.503	83.817
572198.9	6218000.4	1800	7220	-0.054	3613.077	979654.238	-9.023	26.104	-9.465	7.615	84.587
572299.2	6218000.5	1800	7230	-0.055	3613.251	979654.412	-8.848	26.261	-9.522	7.891	85.098
572403.6	6218002.3	1800	7240	-0.056	3613.460	979654.621	-8.637	26.481	-9.602	8.242	85.810
572496.6	6217986.1	1800	7250	-0.057	3613.590	979654.751	-8.519	26.548	-9.626	8.402	86.027
571299.6	6218398.4	1840	7130	-0.041	3610.224	979651.385	-11.580	28.305	-10.264	6.462	91.722
571400.3	6218398.4	1840	7140	-0.040	3610.773	979651.934	-11.030	27.631	-10.019	6.582	89.538
571500.4	6218399.6	1840	7150	-0.040	3611.215	979652.376	-10.587	27.144	-9.843	6.715	87.959
571600.9	6218398.7	1840	7160	-0.039	3611.512	979652.673	-10.290	26.846	-9.734	6.822	86.992
571700.1	6218399.6	1840	7170	-0.035	3611.658	979652.819	-10.142	26.625	-9.654	6.828	86.277
571800.6	6218398.5	1840	7180	-0.034	3611.683	979652.844	-10.118	26.585	-9.640	6.827	86.146
571898.8	6218398.8	1840	7190	-0.034	3611.662	979652.823	-10.138	26.515	-9.615	6.763	85.921
571996.1	6218398.9	1840	7200	-0.033	3611.621	979652.782	-10.178	26.517	-9.615	6.724	85.928
572100.7	6218400.0	1840	7210	-0.031	3611.729	979652.890	-10.069	26.542	-9.624	6.849	86.007
572215.6	6218402.1	1840	7220	-0.027	3611.893	979653.054	-9.903	26.415	-9.578	6.934	85.596
572299.0	6218401.7	1840	7230	-0.025	3612.015	979653.176	-9.781	26.638	-9.659	7.198	86.319
572399.9	6218401.0	1840	7240	-0.064	3611.984	979653.145	-9.812	27.103	-9.828	7.464	87.827
571500.7	6218801.2	1880	7150	-0.019	3609.511	979650.672	-11.987	29.239	-10.602	6.650	94.746
D136											
576273.6	6222257.2	0	2001	+0.000	3595.728	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	+0.000	3595.728	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	-0.082	3595.728	979636.430	-23.583	58.504	-21.214	13.707	189.579
576273.6	6222257.2	0	2001	+0.000	3595.810	979636.430	-23.583	58.504	-21.214	13.707	189.579
571100.2	6217599.4	1760	7110	-0.066	3613.993	979654.695	-8.876	24.579	-8.912	6.790	79.646
571199.3	6217598.2	1760	7120	-0.065	3614.181	979654.883	-8.688	24.492	-8.881	6.923	79.366
571299.7	6217599.4	1760	7130	-0.064	3614.179	979654.881	-8.689	24.585	-8.915	6.982	79.667
571398.3	6217599.5	1760	7140	-0.061	3614.226	979654.928	-8.641	24.725	-8.966	7.119	80.121
571500.7	6217600.2	1760	7150	-0.059	3614.625	979655.327	-8.241	24.784	-8.987	7.556	80.311
571599.9	6217598.8	1760	7160	-0.058	3614.756	979655.458	-8.111	24.825	-9.002	7.713	80.445
571698.7	6217600.1	1760	7170	-0.056	3614.725	979655.427	-8.140	24.953	-9.048	7.765	80.858
571799.9	6217600.1	1760	7180	-0.055	3614.638	979655.340	-8.227	25.116	-9.107	7.782	81.387
571900.3	6217600.1	1760	7190	-0.054	3614.686	979655.388	-8.178	25.302	-9.175	7.949	81.990
571998.8	6217598.8	1760	7200	-0.053	3614.919	979655.621	-7.945	25.447	-9.227	8.275	82.461
572099.9	6217599.4	1760	7210	-0.053	3615.054	979655.756	-7.809	25.781	-9.348	8.624	83.542
572197.7	6217599.9	1760	7220	-0.052	3615.244	979655.946	-7.618	25.844	-9.371	8.855	83.746
572299.5	6217599.8	1760	7230	-0.051	3615.628	979656.330	-7.234	26.006	-9.430	9.342	84.270
572399.4	6217599.6	1760	7240	-0.049	3616.026	979656.728	-6.835	26.041	-9.443	9.763	84.385
572500.2	6217600.1	1760	7250	-0.049	3616.067	979656.769	-6.793	26.231	-9.512	9.926	85.001
572599.5	6217599.2	1760	7260	-0.048	3616.427	979657.129	-6.433	26.254	-9.520	10.301	85.075
572700.8	6217599.9	1760	7270	-0.047	3616.797	979657.499	-6.063	26.364	-9.560	10.742	85.430
572799.7	6217599.7	1760	7280	-0.046	3617.090	979657.792	-5.769	26.461	-9.595	11.097	85.745
572886.5	6217592.4	1760	7290	-0.040	3617.160	979657.862	-5.704	26.698	-9.681	11.313	86.514
572999.3	6217599.7	1760	7300	-0.035	3616.934	979657.636	-5.924	27.636	-10.021	11.691	89.553
573099.0	6217598.5	1760	7310	-0.034	3616.782	979657.484	-6.076	28.606	-10.373	12.157	92.696
573199.9	6217600.0	1760	7320	-0.033	3616.539	979657.241	-6.317	29.552	-10.716	12.519	95.762
573299.3	6217601.2	1760	7330	-0.033	3616.266	979656.968	-6.589	30.660	-11.117	12.953	99.351
571399.5	6218000.0	1800	7140	-0.062	3613.323	979654.025	-9.241	25.470	-9.235	6.994	82.533
572403.7	6218002.3	1800	7240	-0.070	3613.901	979654.603	-8.655	26.484	-9.603	8.226	85.821
572496.6	6217986.2	1800	7250	-0.019	3614.045	979654.747	-8.523	26.565	-9.633	8.410	86.083
572590.7	6217995.7	1800	7260	-0.020	3613.999	979654.701	-8.561	26.805	-9.720	8.524	86.860
572590.7	6217995.7	1800	7260	-0.071	3614.002	979654.704	-8.558	26.805	-9.720	8.527	86.860
572699.4	6217999.4	1800	7270	-0.023	3614.394	979655.096	-8.163	27.014	-9.795	9.056	87.538
572798.7	6218000.7	1800	7280	-0.024	3614.892	979655.594	-7.663	27.132	-9.838	9.631	87.920
572898.5	6217999.8	1800	7290	-0.025	3615.518	979656.220	-7.037	27.165	-9.850	10.277	88.026
572998.9	6218000.4	1800	7300	-0.026	3616.090	979656.792	-6.464	27.320	-9.906	10.949	88.529
573099.3	6217999.4	1800	7310	-0.027	3616.343	979657.045	-6.211	27.929	-10.127	11.590	90.502
573199.3	6218000.2	1800	7320	-0.027	3616.554	979657.256	-5.999	28.511	-10.338	12.173	92.387
573298.6	6218000.5	1800	7330	-0.028	3616.365	979657.067	-6.188	29.260	-10.610	12.463	94.815
573399.5	6217999.6	1800	7340	-0.029	3615.991	979656.693	-6.562	30.052	-10.897	12.594	97.382
573499.0	6218000.2	1800	7350	-0.031	3615.815	979656.517	-6.737	30.826	-11.178	12.912	99.889
572215.8	6218402.0	1840	7220	-0.015	3612.315	979653.017	-9.940	26.430	-9.584	6.907	85.646
D138											
571607.0	6213198.1	0	2003	+0.000	3623.254	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3623.254	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	-0.028	3623.254	979663.060	-3.843	36.826	-13.353	19.630	119.334

571607.0	6213198.1	0	2003	+0.000	3623.282	979663.060	-3.843	36.826	-13.353	19.630	119.334
570700.7	6217199.9	1720	7070	-0.013	3615.474	979655.280	-8.596	23.982	-8.696	6.690	77.713
570803.0	6217199.1	1720	7080	-0.013	3615.448	979655.254	-8.622	23.809	-8.633	6.554	77.152
570899.3	6217200.4	1720	7090	-0.014	3615.278	979655.084	-8.791	23.873	-8.656	6.426	77.359
570999.7	6217200.6	1720	7100	-0.021	3615.336	979655.142	-8.732	23.815	-8.635	6.448	77.170
571099.4	6217200.3	1720	7110	-0.021	3615.545	979655.351	-8.522	23.877	-8.658	6.697	77.371
571200.3	6217199.4	1720	7120	-0.022	3615.730	979655.536	-8.338	23.915	-8.672	6.905	77.494
571301.2	6217200.4	1720	7130	-0.022	3615.698	979655.504	-8.368	24.097	-8.738	6.991	78.084
571399.7	6217200.2	1720	7140	-0.023	3615.997	979655.803	-8.069	24.126	-8.748	7.309	78.180
571501.4	6217201.5	1720	7150	-0.023	3616.476	979656.282	-7.588	24.129	-8.749	7.792	78.189
571599.2	6217200.3	1720	7160	-0.023	3616.684	979656.490	-7.380	24.315	-8.817	8.118	78.790
571699.5	6217201.4	1720	7170	-0.024	3616.838	979656.644	-7.225	24.588	-8.916	8.447	79.675
570899.0	6217598.5	1760	7090	-0.012	3614.167	979653.973	-9.600	25.356	-9.194	6.562	82.166
571000.3	6217600.6	1760	7100	-0.011	3614.545	979654.351	-9.220	24.853	-9.012	6.621	80.534
571100.3	6217599.5	1760	7110	-0.010	3614.868	979654.674	-8.897	24.580	-8.913	6.770	79.651
571698.7	6217599.9	1760	7170	-0.025	3615.609	979655.415	-8.152	24.970	-9.054	7.764	80.915
D139											
571607.0	6213198.1	0	2003	+0.000	3623.590	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3623.590	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	-0.025	3623.590	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3623.615	979663.060	-3.843	36.826	-13.353	19.630	119.334
572398.8	6216000.1	1600	7240	-0.022	3620.082	979659.552	-5.223	30.536	-11.072	14.240	98.949
572501.7	6216000.5	1600	7250	-0.022	3619.866	979659.336	-5.438	31.449	-11.403	14.607	101.908
571699.2	6216399.9	1640	7170	-0.020	3620.291	979659.761	-4.715	24.117	-8.745	10.657	78.149
571801.0	6216400.2	1640	7180	-0.020	3620.553	979660.023	-4.452	24.369	-8.836	11.081	78.967
571900.1	6216400.2	1640	7190	-0.020	3620.454	979659.924	-4.551	25.092	-9.098	11.443	81.308
571999.6	6216400.4	1640	7200	-0.020	3620.479	979659.949	-4.525	25.670	-9.308	11.837	83.183
572099.2	6216399.7	1640	7210	-0.020	3620.578	979660.048	-4.426	26.208	-9.503	12.279	84.927
572201.2	6216399.4	1640	7220	-0.021	3620.420	979659.890	-4.584	26.933	-9.766	12.583	87.274
572300.5	6216399.7	1640	7230	-0.021	3620.086	979659.556	-4.917	27.732	-10.056	12.760	89.865
572399.0	6216399.6	1640	7240	-0.021	3619.846	979659.316	-5.157	28.429	-10.308	12.964	92.122
572498.9	6216400.3	1640	7250	-0.021	3619.849	979659.319	-5.152	28.978	-10.507	13.318	93.900
572599.8	6216400.2	1640	7260	-0.021	3619.658	979659.128	-5.343	29.987	-10.873	13.771	97.171
572700.1	6216399.9	1640	7270	-0.022	3619.134	979658.604	-5.867	31.494	-11.420	14.207	102.053
571699.8	6216799.0	1680	7170	-0.019	3618.681	979658.151	-6.023	24.268	-8.800	9.446	78.639
571799.9	6216800.5	1680	7180	-0.019	3619.184	979658.654	-5.518	24.404	-8.849	10.037	79.079
571898.7	6216799.6	1680	7190	-0.019	3619.334	979658.804	-5.368	24.599	-8.920	10.311	79.712
571998.7	6216799.9	1680	7200	-0.018	3619.542	979659.012	-5.160	24.741	-8.971	10.610	80.171
572100.0	6216800.5	1680	7210	-0.018	3619.958	979659.428	-4.742	24.850	-9.011	11.097	80.524
572199.9	6216799.8	1680	7220	-0.018	3620.333	979659.803	-4.367	24.979	-9.057	11.554	80.943
572300.0	6216800.9	1680	7230	-0.017	3620.526	979659.996	-4.173	25.335	-9.187	11.976	82.097
572398.4	6216800.5	1680	7240	-0.017	3620.572	979660.042	-4.127	25.778	-9.347	12.304	83.532
572499.1	6216798.8	1680	7250	-0.017	3620.293	979659.763	-4.406	26.607	-9.648	12.553	86.219
572599.8	6216800.9	1680	7260	-0.017	3619.972	979659.442	-4.725	27.467	-9.960	12.782	89.004
572699.5	6216799.3	1680	7270	-0.017	3619.597	979659.067	-5.101	28.558	-10.355	13.102	92.542
572798.9	6216800.2	1680	7280	-0.016	3619.206	979658.676	-5.490	29.694	-10.767	13.437	96.223
572899.3	6216799.6	1680	7290	-0.016	3618.588	979658.058	-6.108	31.050	-11.259	13.683	100.616
571699.5	6217201.4	1720	7170	-0.005	3617.192	979656.662	-7.207	24.589	-8.916	8.466	79.679
571798.5	6217199.5	1720	7180	-0.005	3617.353	979656.823	-7.047	24.656	-8.940	8.668	79.895
571899.0	6217200.2	1720	7190	-0.005	3617.648	979657.118	-6.751	24.821	-9.000	9.070	80.431
571998.4	6217200.3	1720	7200	-0.005	3618.087	979657.557	-6.311	25.091	-9.098	9.682	81.307
572100.2	6217201.3	1720	7210	-0.006	3618.335	979657.805	-6.062	25.316	-9.180	10.075	82.036
572200.6	6217199.6	1720	7220	-0.006	3618.599	979658.069	-5.799	25.411	-9.214	10.398	82.343
572298.1	6217200.1	1720	7230	-0.006	3618.889	979658.359	-5.508	25.477	-9.238	10.731	82.556
572398.8	6217200.9	1720	7240	-0.007	3619.331	979658.801	-5.065	25.551	-9.265	11.222	82.797
572499.6	6217200.4	1720	7250	-0.007	3619.672	979659.142	-4.723	25.797	-9.354	11.720	83.595
572598.8	6217199.6	1720	7260	-0.007	3619.536	979659.006	-4.859	26.461	-9.595	12.007	85.745
572699.3	6217200.6	1720	7270	-0.007	3619.414	979658.884	-4.980	27.024	-9.799	12.245	87.570
572800.7	6217199.9	1720	7280	-0.008	3619.200	979658.670	-5.194	27.818	-10.087	12.537	90.143
572899.5	6217199.6	1720	7290	-0.008	3618.912	979658.382	-5.481	28.521	-10.342	12.698	92.419
573001.0	6217199.6	1720	7300	-0.015	3618.660	979658.130	-5.733	29.320	-10.632	12.956	95.011
573100.1	6217200.9	1720	7310	-0.016	3618.610	979658.080	-5.781	30.007	-10.881	13.345	97.237
571800.0	6217600.1	1760	7180	-0.023	3615.882	979655.352	-8.215	25.116	-9.107	7.794	81.387
D140											
571607.0	6213198.1	0	2003	+0.000	3623.932	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3623.932	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	-0.041	3623.932	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3623.973	979663.060	-3.843	36.826	-13.353	19.630	119.334
571701.1	6215199.3	1520	7170	-0.012	3623.060	979662.188	-3.198	28.257	-10.246	14.813	91.566
571799.4	6215199.2	1520	7180	-0.012	3622.721	979661.849	-3.536	29.012	-10.520	14.956	94.012
569903.1	6215596.4	1560	6990	-0.032	3618.079	979657.207	-7.888	22.812	-8.272	6.652	73.920
570000.4	6215600.4	1560	7000	-0.033	3618.041	979657.169	-7.923	23.023	-8.348	6.752	74.605
570099.6	6215599.9	1560	7010	-0.033	3618.102	979657.230	-7.861	23.201	-8.413	6.927	75.181
570199.3	6215601.1	1560	7020	-0.033	3618.493	979657.621	-7.469	23.154	-8.396	7.290	75.030
570300.8	6215598.1	1560	7030	-0.034	3618.680	979657.808	-7.284	23.330	-8.460	7.587	75.599
570401.1	6215601.3	1560	7040	-0.034	3619.213	979658.341	-6.748	23.050	-8.358	7.944	74.691
570500.4	6215599.6	1560	7050	-0.034	3619.656	979658.784	-6.305	23.133	-8.388	8.440	74.962
570599.6	6215600.4	1560	7060	-0.035	3620.076	979659.204	-5.884	23.402	-8.486	9.033	75.834
570699.5	6215600.1	1560	7070	-0.035	3620.417	979659.545	-5.543	23.744	-8.610	9.591	76.940
570799.4	6215599.2	1560	7080	-0.035	3621.010	979660.138	-4.950	23.756	-8.614	10.192	76.981
570900.0	6215599.6	1560	7090	-0.036	3621.402	979660.530	-4.557	23.936	-8.679	10.700	77.563
570999.9	6215602.0	1560	7100	-0.036	3621.808	979660.936	-4.149	24.083	-8.733	11.202	78.040
571102.7	6215599.3	1560	7110	-0.036	3622.165	979661.293	-3.793	24.373	-8.838	11.742	78.979

571200.6	6215599.9	1560	7120	-0.037	3622.236	979661.364	-3.721	24.848	-9.010	12.117	80.519
571301.8	6215599.8	1560	7130	-0.037	3622.356	979661.484	-3.601	25.022	-9.073	12.348	81.082
571397.9	6215600.0	1560	7140	-0.037	3622.592	979661.720	-3.364	25.080	-9.094	12.622	81.270
571498.0	6215601.9	1560	7150	-0.038	3622.499	979661.627	-3.455	25.489	-9.242	12.792	82.596
571598.3	6215599.3	1560	7160	-0.038	3622.458	979661.586	-3.497	25.983	-9.421	13.064	84.195
571699.2	6215600.4	1560	7170	-0.009	3622.230	979661.358	-3.724	26.657	-9.666	13.267	86.381
571798.7	6215599.9	1560	7180	-0.009	3621.983	979661.111	-3.971	27.477	-9.963	13.543	89.036
571900.3	6215599.6	1560	7190	-0.010	3621.809	979660.937	-4.144	28.295	-10.260	13.891	91.687
571999.2	6215600.2	1560	7200	-0.010	3621.711	979660.839	-4.241	28.939	-10.493	14.204	93.774
572098.9	6215599.5	1560	7210	-0.010	3621.303	979660.431	-4.649	29.905	-10.844	14.412	96.906
572198.3	6215599.6	1560	7220	-0.010	3620.778	979659.906	-5.173	31.103	-11.278	14.652	100.789
572298.6	6215598.9	1560	7230	-0.011	3620.449	979659.577	-5.502	32.217	-11.682	15.033	104.397
570097.0	6215999.2	1600	7010	-0.030	3617.774	979656.902	-7.887	22.291	-8.083	6.321	72.233
570201.3	6216000.3	1600	7020	-0.030	3617.833	979656.961	-7.827	22.435	-8.135	6.473	72.698
570299.3	6215999.0	1600	7030	-0.030	3617.898	979657.026	-7.762	22.600	-8.195	6.643	73.234
570400.6	6215999.8	1600	7040	-0.030	3618.099	979657.227	-7.560	22.657	-8.215	6.882	73.418
570499.7	6215999.0	1600	7050	-0.029	3618.352	979657.480	-7.307	22.755	-8.251	7.197	73.737
570599.9	6215999.4	1600	7060	-0.029	3618.525	979657.653	-7.133	22.944	-8.320	7.492	74.350
570701.1	6215999.6	1600	7070	-0.029	3618.818	979657.946	-6.839	23.009	-8.343	7.827	74.560
570799.0	6215999.1	1600	7080	-0.029	3619.197	979658.325	-6.460	23.101	-8.377	8.265	74.858
570900.1	6215999.9	1600	7090	-0.028	3619.607	979658.735	-6.049	23.531	-8.532	8.949	76.250
570999.4	6216000.0	1600	7100	-0.028	3619.781	979658.909	-5.874	24.139	-8.753	9.512	78.222
571099.2	6215999.9	1600	7110	-0.027	3620.483	979659.611	-5.172	24.165	-8.762	10.231	78.306
571200.0	6215999.7	1600	7120	-0.027	3620.767	979659.895	-4.887	24.119	-8.746	10.486	78.156
571300.6	6216000.4	1600	7130	-0.027	3620.916	979660.044	-4.737	24.189	-8.771	10.681	78.383
571398.0	6216000.1	1600	7140	-0.026	3621.117	979660.245	-4.536	24.290	-8.808	10.947	78.710
571499.8	6215999.6	1600	7150	-0.026	3621.318	979660.446	-4.335	24.515	-8.889	11.291	79.438
571598.0	6215998.4	1600	7160	-0.026	3621.405	979660.533	-4.248	24.907	-9.031	11.627	80.709
571699.6	6216000.1	1600	7170	-0.009	3621.335	979660.463	-4.316	25.268	-9.162	11.790	81.880
571799.4	6215998.5	1600	7180	-0.008	3621.325	979660.453	-4.327	25.735	-9.332	12.077	83.393
571899.4	6215999.1	1600	7190	-0.008	3621.506	979660.634	-4.145	26.182	-9.494	12.543	84.841
572000.0	6216000.1	1600	7200	-0.008	3621.435	979660.563	-4.214	27.163	-9.849	13.099	88.019
572099.7	6216000.2	1600	7210	-0.008	3621.222	979660.350	-4.427	28.110	-10.193	13.491	91.088
572198.7	6216000.3	1600	7220	-0.007	3620.812	979659.940	-4.836	29.011	-10.519	13.656	94.008
572299.9	6216000.4	1600	7230	-0.007	3620.519	979659.647	-5.128	29.799	-10.805	13.865	96.561
572398.8	6216000.1	1600	7240	-0.006	3620.424	979659.552	-5.223	30.530	-11.070	14.237	98.932
570300.7	6216399.6	1640	7030	-0.021	3617.469	979656.597	-7.887	22.613	-8.200	6.526	73.277
570399.3	6216400.6	1640	7040	-0.021	3617.585	979656.713	-7.770	22.569	-8.183	6.615	73.132
570499.6	6216401.7	1640	7050	-0.022	3617.630	979656.758	-7.724	22.529	-8.169	6.636	73.005
570599.1	6216401.2	1640	7060	-0.022	3617.609	979656.737	-7.744	22.578	-8.187	6.647	73.162
570698.8	6216400.4	1640	7070	-0.022	3617.632	979656.760	-7.722	22.736	-8.244	6.770	73.674
570801.5	6216400.0	1640	7080	-0.023	3618.019	979657.147	-7.334	22.613	-8.200	7.079	73.277
570898.5	6216399.8	1640	7090	-0.023	3618.258	979657.386	-7.095	22.854	-8.287	7.472	74.058
571002.2	6216400.0	1640	7100	-0.023	3618.508	979657.636	-6.844	22.966	-8.327	7.794	74.419
571100.8	6216399.2	1640	7110	-0.024	3618.859	979657.987	-6.493	23.037	-8.353	8.191	74.651
571199.5	6216399.6	1640	7120	-0.024	3619.207	979658.335	-6.144	23.123	-8.384	8.594	74.928
571298.3	6216400.0	1640	7130	-0.024	3619.552	979658.680	-5.799	23.388	-8.481	9.109	75.788
571399.2	6216400.1	1640	7140	-0.025	3619.774	979658.902	-5.576	23.628	-8.568	9.485	76.565
571497.8	6216399.9	1640	7150	-0.025	3620.013	979659.141	-5.336	23.745	-8.610	9.799	76.944
571599.4	6216400.1	1640	7160	-0.025	3620.402	979659.530	-4.947	23.890	-8.662	10.281	77.413
570500.5	6216800.0	1680	7050	-0.020	3617.017	979656.145	-8.035	23.323	-8.457	6.831	75.577
570599.3	6216800.9	1680	7060	-0.019	3616.976	979656.104	-8.075	23.331	-8.460	6.797	75.603
570701.2	6216799.7	1680	7070	-0.019	3617.042	979656.170	-8.009	23.176	-8.404	6.763	75.100
570800.3	6216800.1	1680	7080	-0.018	3617.021	979656.149	-8.029	23.169	-8.401	6.738	75.077
570897.3	6216800.0	1680	7090	-0.018	3616.963	979656.091	-8.087	23.297	-8.448	6.763	75.492
570999.1	6216798.1	1680	7100	-0.017	3617.002	979656.130	-8.049	23.234	-8.425	6.761	75.288
571099.7	6216798.9	1680	7110	-0.017	3617.054	979656.182	-7.995	23.361	-8.471	6.895	75.700
571201.0	6216799.8	1680	7120	-0.017	3617.223	979656.351	-7.825	23.415	-8.490	7.099	75.874
571300.6	6216798.5	1680	7130	-0.016	3617.286	979656.414	-7.763	23.499	-8.521	7.216	76.147
571400.1	6216799.6	1680	7140	-0.016	3617.599	979656.727	-7.448	23.660	-8.579	7.633	76.670
571501.0	6216799.3	1680	7150	-0.016	3617.942	979657.070	-7.105	23.879	-8.659	8.116	77.378
571598.7	6216800.1	1680	7160	-0.015	3618.511	979657.639	-6.535	24.038	-8.716	8.787	77.894
571599.3	6217200.1	1720	7160	-0.039	3617.390	979656.518	-7.353	24.311	-8.815	8.143	78.778
D141											
571607.0	6213198.1	0	2003	+0.000	3624.339	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3624.339	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	-0.015	3624.339	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3624.354	979663.060	-3.843	36.826	-13.353	19.630	119.334
569499.8	6214798.4	1480	6950	-0.012	3620.178	979658.899	-6.803	21.411	-7.764	6.844	69.382
569600.0	6214801.0	1480	6960	-0.012	3620.339	979659.060	-6.640	21.843	-7.920	7.283	70.782
569701.2	6214799.6	1480	6970	-0.012	3620.833	979659.554	-6.146	21.894	-7.939	7.809	70.947
569799.4	6214800.1	1480	6980	-0.013	3621.238	979659.959	-5.740	22.035	-7.990	8.305	71.404
569700.5	6215200.7	1520	6970	-0.011	3619.621	979658.342	-7.054	21.738	-7.882	6.802	70.440
569801.0	6215200.0	1520	6980	-0.011	3619.702	979658.423	-6.973	22.091	-8.010	7.108	71.584
569899.0	6215200.7	1520	6990	-0.010	3619.511	979658.232	-7.163	22.704	-8.232	7.308	73.570
570000.2	6215200.5	1520	7000	-0.010	3619.473	979658.194	-7.201	23.103	-8.377	7.525	74.864
570099.3	6215199.9	1520	7010	-0.010	3619.602	979658.323	-7.072	23.371	-8.474	7.825	75.733
570197.7	6215198.0	1520	7020	-0.010	3619.671	979658.392	-7.004	23.699	-8.593	8.102	76.795
570300.1	6215199.9	1520	7030	-0.010	3620.250	979658.971	-6.423	23.685	-8.588	8.674	76.750
570399.8	6215198.8	1520	7040	-0.009	3620.877	979659.598	-5.796	23.873	-8.657	9.421	77.360
570497.4	6215200.6	1520	7050	-0.009	3621.126	979659.847	-5.545	24.474	-8.874	10.055	79.307
570599.1	6215201.0	1520	7060	-0.009	3621.536	979660.257	-5.134	24.719	-8.963	10.622	80.099
570698.7	6215200.4	1520	7070	-0.009	3621.850	979660.571	-4.820	25.148	-9.119	11.209	81.489

570800.0	6215201.0	1520	7080	-0.009	3622.185	979660.906	-4.484	25.419	-9.217	11.718	82.368
570899.6	6215199.7	1520	7090	-0.008	3622.744	979661.465	-3.925	25.514	-9.251	12.337	82.675
570998.0	6215199.6	1520	7100	-0.007	3623.285	979662.006	-3.384	25.220	-9.145	12.691	81.724
571100.0	6215199.9	1520	7110	-0.007	3623.589	979662.310	-3.079	25.180	-9.130	12.971	81.595
571198.3	6215199.7	1520	7120	-0.006	3623.701	979662.422	-2.966	25.361	-9.196	13.199	82.181
571297.8	6215200.8	1520	7130	-0.006	3623.688	979662.409	-2.978	25.883	-9.385	13.519	83.871
571398.9	6215199.3	1520	7140	-0.006	3623.673	979662.394	-2.993	26.442	-9.588	13.861	85.683
571498.2	6215200.3	1520	7150	-0.005	3623.747	979662.468	-2.918	27.030	-9.801	14.311	87.590
571599.5	6215199.4	1520	7160	-0.005	3623.773	979662.494	-2.892	27.520	-9.979	14.649	89.177
570300.7	6215598.0	1560	7030	-0.013	3619.081	979657.802	-7.290	23.334	-8.461	7.583	75.612
571598.2	6215599.3	1560	7160	-0.005	3622.846	979661.567	-3.516	25.987	-9.423	13.048	84.208
D142											
571607.0	6213198.1	0	2003	+0.000	3624.624	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3624.624	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.010	3624.624	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3624.614	979663.060	-3.843	36.826	-13.353	19.630	119.334
571198.9	6213599.8	1360	7120	+0.009	3628.580	979667.016	0.415	29.606	-10.735	19.286	95.937
571298.5	6213599.9	1360	7130	+0.009	3628.251	979666.687	0.087	30.500	-11.060	19.528	98.835
569099.8	6214000.0	1400	6910	+0.006	3622.822	979661.258	-5.051	20.956	-7.599	8.306	67.906
569199.9	6213999.0	1400	6920	+0.006	3623.048	979661.484	-4.826	21.068	-7.639	8.603	68.269
569300.8	6214000.4	1400	6930	+0.006	3622.880	979661.316	-4.992	21.703	-7.870	8.841	70.327
569401.6	6214001.3	1400	6940	+0.006	3622.920	979661.356	-4.951	22.150	-8.032	9.168	71.775
569500.8	6214000.2	1400	6950	+0.006	3623.464	979661.900	-4.407	22.129	-8.024	9.698	71.707
569600.1	6214000.1	1400	6960	+0.007	3624.145	979662.581	-3.725	22.227	-8.060	10.442	72.025
569697.1	6213995.1	1400	6970	+0.007	3624.708	979663.144	-3.166	22.456	-8.143	11.148	72.767
569799.1	6214000.7	1400	6980	+0.007	3625.358	979663.794	-2.511	22.662	-8.217	11.934	73.436
569901.4	6214000.2	1400	6990	+0.007	3626.090	979664.526	-1.779	22.773	-8.258	12.737	73.796
569999.8	6214000.9	1400	7000	+0.007	3626.637	979665.073	-1.231	22.952	-8.323	13.399	74.376
570099.6	6213999.8	1400	7010	+0.007	3627.011	979665.447	-0.857	23.240	-8.427	13.956	75.308
570201.3	6214002.8	1400	7020	+0.007	3627.366	979665.802	-0.499	23.571	-8.547	14.525	76.380
570301.0	6213998.4	1400	7030	+0.007	3627.803	979666.239	-0.065	23.850	-8.648	15.137	77.286
570399.7	6213999.8	1400	7040	+0.007	3627.923	979666.359	0.057	24.178	-8.767	15.468	78.347
570501.8	6213999.8	1400	7050	+0.008	3627.807	979666.243	-0.059	24.648	-8.937	15.652	79.870
570598.9	6213999.7	1400	7060	+0.008	3627.828	979666.264	-0.037	24.929	-9.039	15.853	80.782
570699.6	6214000.4	1400	7070	+0.008	3627.962	979666.398	0.098	25.259	-9.159	16.198	81.849
570799.9	6214000.7	1400	7080	+0.008	3628.339	979666.775	0.476	25.676	-9.310	16.841	83.200
570899.7	6214000.1	1400	7090	+0.008	3629.059	979667.495	1.196	26.074	-9.455	17.816	84.492
571001.1	6214000.7	1400	7100	+0.008	3629.110	979667.546	1.248	26.767	-9.706	18.309	86.738
571101.1	6213998.6	1400	7110	+0.008	3628.452	979666.888	0.589	27.483	-9.966	18.107	89.058
571198.8	6213999.0	1400	7120	+0.008	3628.180	979666.616	0.318	27.969	-10.142	18.145	90.633
571301.1	6214000.7	1400	7130	+0.009	3627.894	979666.330	0.034	28.530	-10.345	18.219	92.450
571400.0	6214000.4	1400	7140	+0.009	3627.735	979666.171	-0.125	28.943	-10.495	18.323	93.787
571499.8	6214000.8	1400	7150	+0.009	3627.556	979665.992	-0.303	29.319	-10.631	18.384	95.005
569302.0	6214401.3	1440	6930	+0.006	3621.461	979659.897	-6.107	21.215	-7.693	7.415	68.747
569399.1	6214399.4	1440	6940	+0.006	3621.567	979660.003	-6.002	21.587	-7.827	7.757	69.950
569501.3	6214400.4	1440	6950	+0.006	3621.505	979659.941	-6.063	22.313	-8.091	8.160	72.305
569596.7	6214399.5	1440	6960	+0.006	3621.944	979660.380	-5.624	22.285	-8.081	8.581	72.214
569700.6	6214400.8	1440	6970	+0.006	3622.189	979660.625	-5.377	22.674	-8.222	9.075	73.475
569799.3	6214400.0	1440	6980	+0.006	3622.560	979660.996	-5.006	23.044	-8.356	9.682	74.672
569897.3	6214399.6	1440	6990	+0.005	3623.025	979661.461	-4.541	23.293	-8.446	10.306	75.480
570000.7	6214400.4	1440	7000	+0.005	3623.577	979662.013	-3.988	23.566	-8.545	11.033	76.365
570097.7	6214398.9	1440	7010	+0.005	3624.067	979662.503	-3.499	23.724	-8.602	11.623	76.876
570197.9	6214399.4	1440	7020	+0.005	3624.413	979662.849	-3.152	24.072	-8.729	12.192	78.004
570298.8	6214400.9	1440	7030	+0.005	3624.803	979663.239	-2.760	24.342	-8.826	12.756	78.878
570397.9	6214399.3	1440	7040	+0.005	3625.152	979663.588	-2.411	24.664	-8.943	13.309	79.922
570499.9	6214400.0	1440	7050	+0.005	3625.419	979663.855	-2.143	25.015	-9.071	13.801	81.061
570599.5	6214399.7	1440	7060	+0.004	3625.595	979664.031	-1.967	25.359	-9.195	14.197	82.174
570699.8	6214400.0	1440	7070	+0.004	3625.810	979664.246	-1.751	25.624	-9.291	14.582	83.034
570798.6	6214400.5	1440	7080	+0.004	3626.002	979664.438	-1.558	25.974	-9.418	14.998	84.168
570897.4	6214400.3	1440	7090	+0.004	3626.406	979664.842	-1.154	26.413	-9.577	15.682	85.590
571000.4	6214400.1	1440	7100	+0.004	3627.145	979665.581	-0.415	27.039	-9.805	16.820	87.619
571098.5	6214400.4	1440	7110	+0.004	3627.487	979665.923	-0.072	27.443	-9.951	17.421	88.927
571199.7	6214400.3	1440	7120	+0.004	3627.396	979665.832	-0.162	27.683	-10.038	17.483	89.705
571295.4	6214400.2	1440	7130	+0.004	3627.402	979665.838	-0.156	27.756	-10.065	17.536	89.943
571397.0	6214400.8	1440	7140	+0.004	3626.958	979665.394	-0.599	28.149	-10.207	17.343	91.214
571500.4	6214400.3	1440	7150	+0.004	3626.601	979665.037	-0.955	28.932	-10.491	17.486	93.751
571598.6	6214398.5	1440	7160	+0.003	3626.337	979664.773	-1.220	29.692	-10.766	17.705	96.215
569799.3	6214800.0	1480	6980	+0.002	3621.520	979659.956	-5.743	22.022	-7.985	8.293	71.360
569900.5	6214799.4	1480	6990	+0.002	3621.650	979660.086	-5.613	22.500	-8.158	8.728	72.909
570001.5	6214800.2	1480	7000	+0.002	3621.805	979660.241	-5.457	22.745	-8.248	9.041	73.705
570099.5	6214799.9	1480	7010	+0.002	3621.930	979660.366	-5.332	23.537	-8.534	9.670	76.269
570199.9	6214803.7	1480	7020	+0.002	3622.178	979660.614	-5.080	24.141	-8.754	10.307	78.227
570299.5	6214800.1	1480	7030	+0.002	3622.419	979660.855	-4.841	24.563	-8.907	10.815	79.596
570400.5	6214799.4	1480	7040	+0.002	3622.899	979661.335	-4.361	24.484	-8.878	11.245	79.340
570501.1	6214799.7	1480	7050	+0.002	3623.644	979662.080	-3.616	24.545	-8.900	12.029	79.536
570600.6	6214799.9	1480	7060	+0.002	3624.231	979662.667	-3.028	24.738	-8.970	12.740	80.161
570704.4	6214800.1	1480	7070	+0.003	3624.747	979663.183	-2.511	24.949	-9.047	13.391	80.845
570800.0	6214800.2	1480	7080	+0.003	3624.796	979663.232	-2.462	25.365	-9.197	13.706	82.193
570899.6	6214800.2	1480	7090	+0.003	3624.748	979663.184	-2.509	25.621	-9.290	13.822	83.023
570999.3	6214800.5	1480	7100	+0.003	3624.683	979663.119	-2.573	26.248	-9.518	14.158	85.056
571100.1	6214799.6	1480	7110	+0.003	3624.862	979663.298	-2.394	26.718	-9.688	14.636	86.577
571203.0	6214800.2	1480	7120	+0.003	3625.414	979663.850	-1.841	27.272	-9.889	15.542	88.374
571300.9	6214800.3	1480	7130	+0.003	3625.614	979664.050	-1.640	27.775	-10.071	16.063	90.002

571400.5	6214799.8	1480	7140	+0.003	3625.321	979663.757	-1.933	27.940	-10.131	15.876	90.538
571498.2	6214800.0	1480	7150	+0.003	3625.200	979663.636	-2.053	28.006	-10.155	15.798	90.753
571600.7	6214798.5	1480	7160	+0.003	3624.981	979663.417	-2.273	28.531	-10.345	15.913	92.453
571498.2	6215200.3	1520	7150	+0.010	3624.041	979662.477	-2.909	27.028	-9.801	14.318	87.583
D143											
571607.0	6213198.1	0	2003	+0.000	3624.898	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3624.898	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	-0.031	3624.898	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3624.929	979663.060	-3.843	36.826	-13.353	19.630	119.334
568200.3	6212400.2	1240	6820	-0.027	3629.598	979667.760	0.233	19.754	-7.163	12.825	64.013
568299.6	6212400.0	1240	6830	-0.027	3630.175	979668.337	0.811	19.819	-7.187	13.443	64.223
568400.4	6212399.5	1240	6840	-0.028	3630.717	979668.879	1.353	19.868	-7.204	14.017	64.381
568502.4	6212400.4	1240	6850	-0.028	3631.025	979669.187	1.662	19.946	-7.233	14.376	64.635
568602.2	6212401.0	1240	6860	-0.029	3631.453	979669.615	2.091	19.968	-7.240	14.819	64.705
568700.6	6212401.2	1240	6870	-0.029	3631.681	979669.843	2.320	20.084	-7.283	15.122	65.082
568399.4	6212800.1	1280	6840	-0.026	3627.373	979665.535	-1.688	20.410	-7.401	11.322	66.139
568499.3	6212799.9	1280	6850	-0.026	3627.427	979665.589	-1.633	20.853	-7.561	11.658	67.572
568601.3	6212800.1	1280	6860	-0.026	3627.566	979665.728	-1.493	21.172	-7.677	12.002	68.607
568700.6	6212799.6	1280	6870	-0.026	3628.201	979666.363	-0.858	20.934	-7.591	12.485	67.835
568799.6	6212799.7	1280	6880	-0.025	3629.002	979667.164	-0.057	20.714	-7.511	13.147	67.123
568898.6	6212800.5	1280	6890	-0.025	3629.957	979668.119	0.900	20.622	-7.478	14.044	66.824
569003.2	6212801.7	1280	6900	-0.025	3630.745	979668.907	1.689	20.626	-7.479	14.836	66.836
569100.9	6212798.7	1280	6910	-0.024	3630.953	979669.115	1.895	20.908	-7.581	15.222	67.752
569199.0	6212799.8	1280	6920	-0.024	3630.669	979668.831	1.613	21.785	-7.899	15.498	70.594
569299.2	6212799.4	1280	6930	-0.024	3630.576	979668.738	1.520	22.444	-8.138	15.825	72.727
569399.6	6212799.1	1280	6940	-0.023	3630.822	979668.984	1.766	22.840	-8.282	16.325	74.013
569500.7	6212800.3	1280	6950	-0.023	3631.244	979669.406	2.190	23.130	-8.387	16.933	74.952
569599.6	6212800.0	1280	6960	-0.023	3631.521	979669.683	2.467	23.517	-8.527	17.457	76.206
569698.4	6212801.0	1280	6970	-0.023	3631.739	979669.901	2.686	24.176	-8.766	18.096	78.342
569798.5	6212800.2	1280	6980	-0.022	3632.078	979670.240	3.025	24.799	-8.992	18.832	80.361
569899.4	6212798.7	1280	6990	-0.022	3631.687	979669.849	2.634	25.291	-9.171	18.754	81.955
570000.4	6212798.5	1280	7000	-0.022	3631.135	979669.297	2.082	25.878	-9.383	18.577	83.855
570099.0	6212799.2	1280	7010	-0.022	3630.894	979669.056	1.842	26.359	-9.558	18.644	85.415
570200.1	6212799.6	1280	7020	-0.021	3630.583	979668.745	1.532	26.883	-9.748	18.667	87.113
570299.4	6212799.6	1280	7030	-0.021	3630.201	979668.363	1.151	27.435	-9.948	18.637	88.901
570399.4	6212800.1	1280	7040	-0.021	3629.966	979668.128	0.917	28.034	-10.165	18.785	90.842
570501.3	6212800.8	1280	7050	-0.021	3629.969	979668.131	0.921	28.354	-10.281	18.993	91.878
570599.1	6212799.4	1280	7060	-0.020	3629.995	979668.157	0.946	28.691	-10.404	19.234	92.973
570699.6	6212799.4	1280	7070	-0.020	3630.435	979668.597	1.387	28.876	-10.470	19.792	93.570
570799.1	6212798.9	1280	7080	-0.020	3630.612	979668.774	1.564	29.345	-10.641	20.269	95.091
568702.0	6213198.6	1320	6870	-0.014	3625.144	979663.306	-3.613	20.980	-7.608	9.760	67.986
568800.4	6213199.0	1320	6880	-0.014	3625.570	979663.732	-3.186	20.843	-7.558	10.099	67.540
568902.0	6213200.6	1320	6890	-0.015	3626.063	979664.225	-2.691	20.855	-7.562	10.602	67.579
568999.8	6213198.9	1320	6900	-0.015	3626.684	979664.846	-2.071	20.881	-7.572	11.239	67.665
569102.8	6213200.3	1320	6910	-0.015	3627.158	979665.320	-1.595	21.260	-7.709	11.956	68.893
569202.5	6213201.4	1320	6920	-0.015	3627.640	979665.802	-1.112	21.861	-7.927	12.822	70.838
569298.3	6213201.0	1320	6930	-0.015	3628.262	979666.424	-0.490	22.263	-8.073	13.701	72.142
569399.4	6213199.8	1320	6940	-0.016	3628.753	979666.915	0.001	22.507	-8.161	14.346	72.931
569501.7	6213200.7	1320	6950	-0.016	3629.192	979667.354	0.441	22.956	-8.324	15.073	74.386
569598.7	6213200.2	1320	6960	-0.016	3629.618	979667.780	0.867	23.468	-8.510	15.826	76.048
569699.2	6213200.5	1320	6970	-0.016	3629.707	979667.869	0.957	23.786	-8.625	16.118	77.077
569799.4	6213200.2	1320	6980	-0.016	3629.763	979667.925	1.014	24.132	-8.750	16.395	78.197
569899.3	6213199.7	1320	6990	-0.017	3629.924	979668.086	1.175	24.387	-8.843	16.719	79.024
569999.7	6213199.8	1320	7000	-0.017	3630.000	979668.162	1.251	24.642	-8.935	16.958	79.850
570099.4	6213200.7	1320	7010	-0.017	3630.005	979668.167	1.258	24.940	-9.043	17.154	80.817
570199.6	6213200.4	1320	7020	-0.017	3629.910	979668.072	1.163	25.322	-9.182	17.303	82.056
570301.4	6213199.9	1320	7030	-0.017	3629.916	979668.078	1.169	25.793	-9.353	17.610	83.582
570398.9	6213199.5	1320	7040	-0.018	3630.026	979668.188	1.279	26.257	-9.521	18.015	85.083
570499.1	6213199.7	1320	7050	-0.018	3630.053	979668.215	1.307	26.544	-9.625	18.226	86.013
570599.4	6213199.5	1320	7060	-0.018	3630.069	979668.231	1.324	26.769	-9.707	18.386	86.743
570701.2	6213199.6	1320	7070	-0.018	3630.040	979668.202	1.295	27.234	-9.875	18.654	88.250
570800.8	6213202.5	1320	7080	-0.018	3630.016	979668.178	1.274	27.688	-10.040	18.922	89.722
570899.7	6213201.4	1320	7090	-0.019	3629.880	979668.042	1.138	28.149	-10.207	19.080	91.216
570998.4	6213200.6	1320	7100	-0.019	3629.582	979667.744	0.840	29.124	-10.561	19.403	94.375
571098.4	6213200.1	1320	7110	-0.019	3629.330	979667.492	0.588	30.247	-10.968	19.867	98.014
568899.9	6213599.7	1360	6890	-0.011	3623.655	979661.817	-4.797	21.382	-7.753	8.832	69.287
568999.0	6213599.6	1360	6900	-0.011	3623.991	979662.153	-4.460	21.375	-7.751	9.164	69.264
569097.8	6213600.8	1360	6910	-0.011	3624.375	979662.537	-4.075	21.357	-7.744	9.538	69.206
569197.3	6213599.9	1360	6920	-0.010	3624.745	979662.907	-3.705	21.455	-7.780	9.970	69.523
569299.9	6213600.0	1360	6930	-0.010	3625.225	979663.387	-3.224	21.610	-7.836	10.550	70.025
569400.2	6213599.5	1360	6940	-0.010	3625.942	979664.104	-2.507	21.720	-7.876	11.337	70.382
569499.7	6213600.1	1360	6950	-0.009	3626.455	979664.617	-1.993	22.002	-7.978	12.031	71.296
569598.0	6213599.1	1360	6960	-0.009	3626.945	979665.107	-1.503	22.271	-8.076	12.692	72.168
569698.5	6213601.4	1360	6970	-0.009	3627.396	979665.558	-1.050	22.612	-8.199	13.363	73.273
569797.2	6213603.2	1360	6980	-0.008	3627.734	979665.896	-0.710	23.037	-8.353	13.974	74.651
569900.8	6213602.3	1360	6990	-0.008	3628.177	979666.339	-0.267	23.290	-8.445	14.578	75.471
569999.1	6213601.6	1360	7000	-0.008	3628.424	979666.586	-0.020	23.701	-8.594	15.087	76.803
570098.7	6213600.7	1360	7010	-0.008	3628.658	979666.820	0.214	24.034	-8.715	15.533	77.881
570200.6	6213600.2	1360	7020	-0.007	3629.089	979667.251	0.645	24.057	-8.723	15.979	77.956
570298.5	6213598.5	1360	7030	-0.007	3629.211	979667.373	0.766	24.299	-8.811	16.254	78.740
570398.7	6213600.3	1360	7040	-0.006	3629.231	979667.393	0.788	24.483	-8.878	16.394	79.336
570499.8	6213600.0	1360	7050	-0.005	3629.327	979667.489	0.885	24.685	-8.951	16.619	79.990
570599.5	6213599.9	1360	7060	-0.005	3629.655	979667.817	1.213	24.973	-9.055	17.131	80.925

570700.0	6213600.4	1360	7070	-0.005	3629.942	979668.104	1.501	25.495	-9.245	17.751	82.615
570796.5	6213599.6	1360	7080	-0.005	3629.781	979667.943	1.340	26.139	-9.478	18.001	84.703
570900.7	6213600.0	1360	7090	-0.005	3629.367	979667.529	0.927	26.961	-9.776	18.112	87.367
570999.9	6213599.4	1360	7100	-0.004	3629.043	979667.205	0.603	27.823	-10.089	18.338	90.160
571097.4	6213599.8	1360	7110	-0.004	3628.771	979666.933	0.332	28.701	-10.407	18.625	93.003
571198.9	6213599.8	1360	7120	-0.004	3628.860	979667.022	0.421	29.598	-10.732	19.287	95.910
571298.5	6213599.8	1360	7130	-0.031	3628.528	979666.690	0.090	30.496	-11.058	19.528	98.822
D144											
571607.0	6213198.1	0	2003	+0.000	3625.202	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3625.202	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	-0.012	3625.202	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3625.214	979663.060	-3.843	36.826	-13.353	19.630	119.334
568998.6	6211600.5	1160	6900	-0.011	3635.096	979672.954	4.826	22.422	-8.130	19.117	72.657
569098.7	6211600.1	1160	6910	-0.011	3635.166	979673.024	4.896	22.660	-8.217	19.340	73.430
569197.2	6211600.3	1160	6920	-0.011	3635.011	979672.869	4.742	23.042	-8.355	19.429	74.667
569300.9	6211599.0	1160	6930	-0.011	3635.067	979672.925	4.797	23.311	-8.453	19.656	75.539
569400.2	6211599.4	1160	6940	-0.010	3635.007	979672.865	4.738	23.801	-8.630	19.909	77.126
569497.9	6211598.9	1160	6950	-0.010	3634.901	979672.759	4.632	24.233	-8.787	20.078	78.526
569600.3	6211599.9	1160	6960	-0.010	3634.625	979672.483	4.358	24.719	-8.963	20.113	80.099
569700.6	6211601.5	1160	6970	-0.010	3634.442	979672.300	4.176	25.146	-9.118	20.204	81.484
569799.7	6211601.4	1160	6980	-0.010	3634.185	979672.043	3.920	25.685	-9.314	20.292	83.232
569898.0	6211598.8	1160	6990	-0.010	3633.873	979671.731	3.606	26.180	-9.493	20.293	84.834
569999.8	6211600.2	1160	7000	-0.010	3633.626	979671.484	3.361	26.709	-9.685	20.385	86.548
570100.6	6211600.1	1160	7010	-0.010	3633.376	979671.234	3.111	27.394	-9.933	20.572	88.770
570199.3	6211599.7	1160	7020	-0.009	3633.033	979670.891	2.769	28.128	-10.199	20.697	91.146
568000.3	6212000.3	1200	6800	-0.005	3631.079	979668.937	1.106	19.753	-7.163	13.697	64.009
568101.2	6211999.2	1200	6810	-0.005	3631.931	979669.789	1.958	19.709	-7.147	14.520	63.866
568199.5	6212000.2	1200	6820	-0.005	3632.697	979670.555	2.725	19.768	-7.168	15.325	64.057
568298.3	6212000.0	1200	6830	-0.006	3633.065	979670.923	3.093	20.228	-7.335	15.987	65.547
568399.0	6212000.2	1200	6840	-0.006	3633.606	979671.464	3.635	20.265	-7.348	16.552	65.667
568499.7	6212001.3	1200	6850	-0.006	3634.294	979672.152	4.325	20.444	-7.413	17.356	66.247
568599.2	6211999.6	1200	6860	-0.006	3634.892	979672.750	4.922	20.518	-7.440	18.000	66.488
568699.6	6212001.0	1200	6870	-0.006	3634.300	979672.158	4.332	21.006	-7.617	17.721	68.068
568799.7	6212000.7	1200	6880	-0.006	3634.539	979672.397	4.571	21.264	-7.710	18.124	68.904
568900.8	6212000.6	1200	6890	-0.006	3634.587	979672.445	4.619	21.996	-7.976	18.639	71.276
569000.7	6211999.8	1200	6900	-0.007	3634.692	979672.550	4.724	22.430	-8.133	19.021	72.682
569100.4	6211999.4	1200	6910	-0.007	3634.731	979672.589	4.764	22.684	-8.225	19.223	73.507
569200.2	6211999.4	1200	6920	-0.008	3634.552	979672.410	4.585	22.909	-8.307	19.187	74.235
569298.6	6212001.0	1200	6930	-0.008	3634.667	979672.525	4.702	23.031	-8.351	19.382	74.630
569398.4	6211999.6	1200	6940	-0.008	3634.697	979672.555	4.731	23.399	-8.485	19.646	75.824
569498.7	6211999.6	1200	6950	-0.008	3634.619	979672.477	4.654	23.852	-8.649	19.857	77.291
569600.0	6211999.6	1200	6960	-0.008	3634.264	979672.122	4.300	24.397	-8.847	19.850	79.058
569699.1	6212001.4	1200	6970	-0.008	3633.847	979671.705	3.884	24.964	-9.052	19.796	80.893
569798.8	6211999.8	1200	6980	-0.008	3633.418	979671.276	3.455	25.588	-9.278	19.765	82.918
569900.1	6212000.7	1200	6990	-0.008	3633.001	979670.859	3.039	26.257	-9.521	19.775	85.084
569999.5	6211999.6	1200	7000	-0.008	3632.739	979670.597	2.777	26.866	-9.742	19.901	87.058
570100.6	6212000.2	1200	7010	-0.009	3632.665	979670.523	2.704	27.545	-9.988	20.261	89.259
570199.3	6212001.6	1200	7020	-0.009	3632.410	979670.268	2.450	28.356	-10.282	20.524	91.885
570300.8	6212000.6	1200	7030	-0.009	3632.015	979669.873	2.055	28.978	-10.507	20.525	93.900
570399.5	6212000.0	1200	7040	-0.009	3631.694	979669.552	1.734	29.702	-10.770	20.667	96.249
568799.2	6212399.8	1240	6880	-0.005	3632.061	979669.919	2.395	20.473	-7.424	15.445	66.341
568899.3	6212399.8	1240	6890	-0.004	3632.365	979670.223	2.700	20.781	-7.535	15.946	67.341
568999.2	6212398.0	1240	6900	-0.004	3632.659	979670.517	2.993	21.150	-7.669	16.474	68.536
569098.7	6212399.7	1240	6910	-0.004	3632.876	979670.734	3.212	21.793	-7.902	17.103	70.619
569199.2	6212400.2	1240	6920	-0.004	3633.020	979670.878	3.357	22.305	-8.088	17.574	72.277
569300.1	6212399.3	1240	6930	-0.004	3633.241	979671.099	3.578	22.708	-8.234	18.051	73.583
569399.4	6212398.1	1240	6940	-0.004	3633.469	979671.327	3.805	23.072	-8.366	18.511	74.762
569500.0	6212399.0	1240	6950	-0.004	3633.766	979671.624	4.104	23.547	-8.538	19.112	76.303
569599.6	6212400.0	1240	6960	-0.003	3633.787	979671.645	4.126	24.190	-8.771	19.544	78.386
569700.3	6212399.8	1240	6970	-0.003	3633.605	979671.463	3.944	24.899	-9.029	19.815	80.685
569797.2	6212398.9	1240	6980	-0.003	3633.191	979671.049	3.530	25.404	-9.211	19.722	82.319
569899.1	6212399.6	1240	6990	-0.003	3632.608	979670.466	2.948	25.982	-9.421	19.509	84.194
570000.2	6212399.7	1240	7000	-0.003	3632.280	979670.138	2.621	26.466	-9.597	19.490	85.761
570100.3	6212399.5	1240	7010	-0.003	3631.982	979669.840	2.323	26.978	-9.782	19.519	87.420
570199.8	6212400.2	1240	7020	-0.003	3631.650	979669.508	1.992	27.688	-10.040	19.640	89.720
570299.1	6212398.4	1240	7030	-0.003	3631.283	979669.141	1.625	28.548	-10.352	19.821	92.509
570400.9	6212399.7	1240	7040	-0.002	3630.863	979668.721	1.206	29.505	-10.699	20.012	95.608
570500.9	6212400.7	1240	7050	-0.002	3630.618	979668.476	0.963	30.052	-10.897	20.118	97.383
570598.1	6212399.6	1240	7060	-0.001	3630.363	979668.221	0.707	30.667	-11.120	20.254	99.373
570799.1	6212798.9	1280	7080	-0.001	3630.934	979668.792	1.582	29.337	-10.638	20.281	95.066
571098.3	6213200.1	1320	7110	-0.012	3629.641	979667.499	0.595	30.256	-10.971	19.880	98.042
D145											
571607.0	6213198.1	0	2003	+0.000	3625.492	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3625.492	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	-0.006	3625.492	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3625.498	979663.060	-3.843	36.826	-13.353	19.630	119.334
567200.2	6210400.1	1040	6720	-0.005	3634.538	979672.106	3.058	18.696	-6.779	14.974	60.584
567298.3	6210400.2	1040	6730	-0.005	3634.717	979672.285	3.237	19.087	-6.921	15.403	61.851
567399.8	6210401.1	1040	6740	-0.005	3635.143	979672.711	3.665	19.259	-6.983	15.940	62.407
567499.8	6210401.9	1040	6750	-0.005	3635.541	979673.109	4.064	19.513	-7.076	16.502	63.232
567599.8	6210399.9	1040	6760	-0.005	3635.778	979673.346	4.300	19.789	-7.176	16.913	64.126
567698.4	6210400.3	1040	6770	-0.005	3635.867	979673.435	4.389	19.882	-7.209	17.062	64.428
567799.5	6210399.8	1040	6780	-0.005	3635.558	979673.126	4.081	20.447	-7.414	17.114	66.258

567898.7	6210400.0	1040	6790	-0.005	3635.776	979673.344	4.299	20.487	-7.429	17.358	66.387
567999.2	6210400.0	1040	6800	-0.005	3636.089	979673.657	4.613	20.474	-7.424	17.663	66.345
568101.7	6210400.2	1040	6810	-0.005	3636.162	979673.730	4.687	20.503	-7.435	17.755	66.439
568199.6	6210400.3	1040	6820	-0.005	3636.499	979674.067	5.024	20.793	-7.540	18.278	67.378
568299.4	6210400.1	1040	6830	-0.005	3637.314	979674.882	5.840	20.853	-7.561	19.131	67.572
568399.0	6210400.1	1040	6840	-0.005	3637.936	979675.504	6.462	21.021	-7.622	19.861	68.118
568500.7	6210399.9	1040	6850	-0.005	3638.420	979675.988	6.947	21.211	-7.691	20.466	68.733
568600.1	6210401.0	1040	6860	-0.005	3638.648	979676.216	7.176	21.517	-7.802	20.890	69.723
568698.2	6210397.9	1040	6870	-0.005	3638.580	979676.148	7.106	21.938	-7.955	21.089	71.088
568799.8	6210400.3	1040	6880	-0.005	3638.653	979676.221	7.182	22.269	-8.075	21.376	72.161
568899.1	6210400.1	1040	6890	-0.006	3638.563	979676.131	7.092	22.616	-8.201	21.507	73.286
567400.3	6210800.2	1080	6740	-0.005	3634.427	979671.995	3.251	18.672	-6.770	15.152	60.504
567499.7	6210797.8	1080	6750	-0.005	3635.123	979672.691	3.946	18.644	-6.760	15.829	60.414
567600.4	6210801.1	1080	6760	-0.005	3635.696	979673.264	4.522	18.619	-6.751	16.389	60.333
567701.5	6210799.7	1080	6770	-0.005	3635.845	979673.413	4.670	19.007	-6.892	16.785	61.590
567799.4	6210799.1	1080	6780	-0.004	3636.105	979673.673	4.931	19.171	-6.952	17.150	62.123
567900.0	6210799.3	1080	6790	-0.004	3636.248	979673.816	5.074	19.506	-7.073	17.507	63.208
567998.8	6210799.6	1080	6800	-0.004	3636.243	979673.811	5.070	19.898	-7.215	17.753	64.478
568099.1	6210799.4	1080	6810	-0.004	3636.430	979673.998	5.257	20.133	-7.300	18.090	65.240
568200.0	6210799.7	1080	6820	-0.004	3636.341	979673.909	5.169	20.749	-7.524	18.394	67.235
568301.5	6210800.0	1080	6830	-0.004	3636.565	979674.133	5.394	20.884	-7.573	18.705	67.674
568399.0	6210799.9	1080	6840	-0.004	3636.740	979674.308	5.569	21.087	-7.646	19.010	68.330
568499.6	6210799.0	1080	6850	-0.004	3636.935	979674.503	5.764	21.275	-7.714	19.325	68.939
568598.4	6210801.0	1080	6860	-0.004	3637.068	979674.636	5.899	21.543	-7.812	19.631	69.810
568700.1	6210799.9	1080	6870	-0.004	3637.181	979674.749	6.012	21.907	-7.944	19.976	70.989
568799.3	6210800.1	1080	6880	-0.004	3637.195	979674.763	6.027	22.306	-8.088	20.244	72.280
568899.2	6210799.9	1080	6890	-0.004	3637.186	979674.754	6.018	22.696	-8.230	20.484	73.545
568997.6	6210801.7	1080	6900	-0.004	3637.089	979674.657	5.923	23.156	-8.397	20.682	75.036
569099.6	6210799.0	1080	6910	-0.004	3636.997	979674.565	5.830	23.618	-8.564	20.884	76.533
569198.0	6210799.2	1080	6920	-0.004	3636.756	979674.324	5.589	24.211	-8.779	21.021	78.454
569298.6	6210800.0	1080	6930	-0.004	3636.531	979674.099	5.366	24.623	-8.928	21.060	79.788
569400.8	6210799.7	1080	6940	-0.004	3636.314	979673.882	5.149	25.133	-9.113	21.169	81.442
569500.3	6210800.1	1080	6950	-0.004	3636.180	979673.748	5.016	25.687	-9.314	21.389	83.238
569600.0	6210799.3	1080	6960	-0.003	3636.071	979673.639	4.906	26.301	-9.537	21.671	85.227
569699.2	6210799.2	1080	6970	-0.003	3636.047	979673.615	4.883	26.896	-9.753	22.027	87.155
569799.7	6210799.3	1080	6980	-0.003	3635.888	979673.456	4.725	27.478	-9.964	22.239	89.040
567599.3	6211199.0	1120	6760	-0.002	3633.827	979671.395	2.955	18.686	-6.776	14.865	60.552
567700.6	6211200.1	1120	6770	-0.002	3634.001	979671.569	3.130	19.192	-6.959	15.363	62.189
567801.5	6211200.0	1120	6780	-0.002	3634.445	979672.013	3.574	19.324	-7.007	15.891	62.617
567900.6	6211201.6	1120	6790	-0.002	3635.063	979672.631	4.194	19.084	-6.920	16.358	61.841
568000.5	6211200.7	1120	6800	-0.002	3635.662	979673.230	4.793	19.024	-6.898	16.919	61.647
568099.3	6211199.3	1120	6810	-0.002	3636.301	979673.869	5.432	19.240	-6.976	17.695	62.345
568200.2	6211200.3	1120	6820	-0.002	3636.470	979674.038	5.602	19.771	-7.169	18.204	64.066
568300.4	6211200.7	1120	6830	-0.002	3636.641	979674.209	5.774	20.031	-7.263	18.541	64.909
568400.4	6211201.9	1120	6840	-0.002	3636.903	979674.471	6.037	20.194	-7.322	18.908	65.436
568498.5	6211199.0	1120	6850	-0.002	3636.791	979674.359	5.923	20.556	-7.454	19.026	66.612
568595.1	6211200.1	1120	6860	-0.002	3636.668	979674.236	5.802	21.210	-7.691	19.321	68.731
568700.7	6211199.6	1120	6870	-0.002	3636.656	979674.224	5.790	21.656	-7.853	19.594	70.176
568798.4	6211199.2	1120	6880	-0.002	3636.489	979674.057	5.623	22.044	-7.993	19.674	71.431
568899.0	6211200.0	1120	6890	-0.002	3636.285	979673.853	5.420	22.483	-8.152	19.751	72.855
568999.4	6211201.6	1120	6900	-0.003	3636.239	979673.807	5.376	22.808	-8.270	19.914	73.907
569102.0	6211200.2	1120	6910	-0.003	3636.124	979673.692	5.261	23.196	-8.411	20.046	75.165
569199.5	6211200.6	1120	6920	-0.003	3636.105	979673.673	5.243	23.654	-8.577	20.319	76.648
569298.1	6211200.7	1120	6930	-0.003	3636.174	979673.742	5.312	24.099	-8.738	20.673	78.091
569400.5	6211202.1	1120	6940	-0.003	3635.979	979673.547	5.119	24.620	-8.927	20.812	79.780
569498.9	6211201.5	1120	6950	-0.003	3635.707	979673.275	4.847	25.015	-9.071	20.792	81.061
569599.3	6211199.9	1120	6960	-0.003	3635.485	979673.053	4.624	25.437	-9.224	20.838	82.427
569699.1	6211201.7	1120	6970	-0.003	3635.010	979672.578	4.151	26.013	-9.432	20.731	84.292
569798.3	6211200.1	1120	6980	-0.003	3634.591	979672.159	3.731	26.649	-9.663	20.717	86.354
569899.1	6211199.9	1120	6990	-0.003	3634.330	979671.898	3.471	27.300	-9.899	20.872	88.464
569999.1	6211199.9	1120	7000	-0.003	3634.159	979671.727	3.300	27.953	-10.136	21.118	90.581
567800.9	6211600.7	1160	6780	-0.002	3632.687	979670.255	2.120	19.076	-6.917	14.279	61.814
567900.9	6211599.9	1160	6790	-0.002	3633.371	979670.939	2.804	19.103	-6.927	14.981	61.903
568000.0	6211600.6	1160	6800	-0.002	3634.003	979671.571	3.437	19.063	-6.912	15.588	61.772
568100.7	6211599.6	1160	6810	-0.002	3634.191	979671.759	3.625	19.776	-7.171	16.230	64.082
568201.2	6211600.4	1160	6820	-0.002	3634.784	979672.352	4.219	19.959	-7.237	16.941	64.676
568300.4	6211599.9	1160	6830	-0.002	3635.667	979673.235	5.102	19.785	-7.174	17.713	64.111
568401.0	6211599.5	1160	6840	-0.002	3636.174	979673.742	5.609	20.076	-7.280	18.406	65.056
568498.2	6211599.2	1160	6850	-0.002	3636.405	979673.973	5.841	20.601	-7.470	18.972	66.756
568601.7	6211600.4	1160	6860	-0.001	3636.113	979673.681	5.550	21.225	-7.696	19.079	68.779
568700.6	6211599.8	1160	6870	-0.001	3635.754	979673.322	5.191	21.438	-7.773	18.856	69.467
568800.5	6211599.7	1160	6880	-0.001	3635.513	979673.081	4.951	21.792	-7.902	18.841	70.615
568898.8	6211599.0	1160	6890	-0.001	3635.422	979672.990	4.860	22.119	-8.020	18.958	71.675
569898.0	6211598.8	1160	6990	-0.006	3634.169	979671.737	3.612	26.178	-9.492	20.298	84.827
568599.2	6211999.6	1200	6860	-0.001	3635.187	979672.755	4.927	20.543	-7.449	18.021	66.567
568699.4	6212001.0	1200	6870	-0.001	3634.591	979672.159	4.332	21.014	-7.620	17.727	68.096
568900.7	6212000.6	1200	6890	-0.001	3634.873	979672.441	4.615	21.989	-7.973	18.631	71.255
D146											
571607.0	6213198.1	0	2003	+0.000	3625.787	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3625.787	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.009	3625.787	979663.060	-3.843	36.826	-13.353	19.630	119.334
571607.0	6213198.1	0	2003	+0.000	3625.778	979663.060	-3.843	36.826	-13.353	19.630	119.334
567199.4	6209226.2	920	6720	+0.008	3636.427	979673.700	3.762	19.083	-6.920	15.925	61.837

567300.4	6209199.1	920	6730	+0.008	3636.496	979673.769	3.811	19.630	-7.118	16.323	63.609
567399.4	6209199.9	920	6740	+0.008	3636.587	979673.860	3.903	20.104	-7.290	16.717	65.145
567500.4	6209200.4	920	6750	+0.008	3636.920	979674.193	4.237	20.125	-7.298	17.064	65.215
567600.9	6209200.3	920	6760	+0.008	3637.318	979674.591	4.635	20.168	-7.313	17.490	65.353
567699.9	6209200.4	920	6770	+0.008	3637.752	979675.025	5.070	20.264	-7.348	17.986	65.663
567799.8	6209200.1	920	6780	+0.008	3638.229	979675.502	5.547	20.384	-7.391	18.540	66.052
567901.2	6209201.4	920	6790	+0.008	3638.770	979676.043	6.090	20.365	-7.384	19.070	65.992
568000.2	6209199.8	920	6800	+0.007	3639.335	979676.608	6.654	20.309	-7.364	19.599	65.811
568098.7	6209199.3	920	6810	+0.007	3639.832	979677.105	7.151	20.268	-7.349	20.070	65.677
568198.8	6209200.0	920	6820	+0.007	3640.292	979677.565	7.612	20.240	-7.339	20.513	65.587
568299.1	6209200.0	920	6830	+0.007	3640.668	979677.941	7.989	20.360	-7.382	20.966	65.974
568399.8	6209199.3	920	6840	+0.007	3640.616	979677.889	7.937	20.771	-7.532	21.176	67.307
568499.7	6209199.8	920	6850	+0.007	3640.479	979677.752	7.801	21.232	-7.699	21.334	68.801
568600.7	6209199.2	920	6860	+0.007	3640.365	979677.638	7.687	21.835	-7.918	21.604	70.756
568698.4	6209199.3	920	6870	+0.007	3640.362	979677.635	7.684	22.440	-8.137	21.987	72.714
568798.8	6209200.3	920	6880	+0.007	3640.380	979677.653	7.704	23.083	-8.370	22.417	74.799
568900.3	6209201.1	920	6890	+0.007	3640.283	979677.556	7.608	23.783	-8.624	22.767	77.066
568999.3	6209199.8	920	6900	+0.007	3640.276	979677.549	7.601	24.398	-8.847	23.152	79.059
567200.2	6209599.7	960	6720	+0.004	3636.758	979674.031	4.376	19.110	-6.929	16.556	61.925
567301.0	6209600.0	960	6730	+0.005	3637.274	979674.547	4.893	19.327	-7.008	17.212	62.629
567399.6	6209600.1	960	6740	+0.005	3637.439	979674.712	5.058	19.709	-7.146	17.620	63.865
567499.7	6209601.5	960	6750	+0.005	3637.597	979674.870	5.218	19.680	-7.136	17.761	63.771
567601.2	6209600.7	960	6760	+0.005	3637.528	979674.801	5.149	19.495	-7.069	17.575	63.174
567699.2	6209600.8	960	6770	+0.005	3637.611	979674.884	5.232	19.413	-7.039	17.606	62.907
567798.9	6209600.9	960	6780	+0.005	3637.761	979675.034	5.383	19.471	-7.060	17.794	63.096
567901.1	6209601.6	960	6790	+0.005	3637.953	979675.226	5.576	19.776	-7.171	18.181	64.082
568002.1	6209605.7	960	6800	+0.005	3638.578	979675.851	6.205	19.794	-7.177	18.821	64.142
568100.6	6209600.7	960	6810	+0.005	3639.286	979676.559	6.910	19.703	-7.144	19.468	63.847
568199.8	6209602.3	960	6820	+0.005	3639.770	979677.043	7.395	19.734	-7.156	19.973	63.947
568301.6	6209601.7	960	6830	+0.006	3640.098	979677.371	7.723	19.883	-7.210	20.397	64.430
568401.2	6209600.6	960	6840	+0.006	3640.045	979677.318	7.670	20.360	-7.383	20.648	65.976
568499.9	6209599.8	960	6850	+0.006	3639.794	979677.067	7.419	21.001	-7.615	20.805	68.053
568599.6	6209599.9	960	6860	+0.006	3639.505	979676.778	7.131	21.671	-7.858	20.944	70.222
568700.3	6209598.9	960	6870	+0.006	3639.359	979676.632	6.984	22.093	-8.011	21.067	71.592
568797.6	6209600.0	960	6880	+0.006	3639.132	979676.405	6.759	22.644	-8.211	21.192	73.377
568899.5	6209599.1	960	6890	+0.006	3638.976	979676.249	6.603	23.252	-8.431	21.424	75.348
568999.5	6209601.1	960	6900	+0.006	3638.703	979675.976	6.332	23.950	-8.684	21.597	77.607
569099.5	6209600.2	960	6910	+0.006	3638.372	979675.645	6.001	24.709	-8.960	21.750	80.068
569200.3	6209599.5	960	6920	+0.006	3637.998	979675.271	5.627	25.529	-9.257	21.899	82.724
567200.7	6210000.6	1000	6720	+0.004	3636.007	979673.280	3.929	18.962	-6.876	16.015	61.446
567300.1	6209999.6	1000	6730	+0.004	3636.460	979673.733	4.382	19.038	-6.903	16.516	61.692
567398.3	6210000.8	1000	6740	+0.004	3636.814	979674.087	4.737	19.082	-6.919	16.900	61.833
567500.3	6210000.7	1000	6750	+0.004	3636.904	979674.177	4.827	19.365	-7.022	17.170	62.750
567598.4	6210000.1	1000	6760	+0.004	3636.850	979674.123	4.773	19.608	-7.110	17.271	63.537
567701.6	6210000.2	1000	6770	+0.003	3636.723	979673.996	4.647	19.594	-7.105	17.137	63.493
567802.0	6209999.8	1000	6780	+0.003	3636.613	979673.886	4.537	19.651	-7.125	17.063	63.677
567899.7	6209999.3	1000	6790	+0.003	3636.905	979674.178	4.830	19.561	-7.093	17.298	63.386
568001.4	6209999.8	1000	6800	+0.003	3637.287	979674.560	5.213	19.528	-7.081	17.660	63.280
568100.7	6209999.9	1000	6810	+0.003	3637.670	979674.943	5.596	19.713	-7.148	18.161	63.878
568200.4	6209999.7	1000	6820	+0.003	3638.069	979675.342	5.996	20.170	-7.314	18.852	65.361
568297.8	6210000.6	1000	6830	+0.003	3638.618	979675.891	6.546	20.374	-7.388	19.532	66.022
568399.4	6210000.6	1000	6840	+0.003	3639.020	979676.293	6.948	20.508	-7.436	20.020	66.456
568500.3	6210000.6	1000	6850	+0.003	3639.277	979676.550	7.206	20.710	-7.509	20.406	67.109
568598.5	6209999.5	1000	6860	+0.003	3639.360	979676.633	7.289	21.100	-7.651	20.738	68.374
568698.6	6209998.7	1000	6870	+0.003	3639.080	979676.353	7.009	21.834	-7.917	20.925	70.751
568799.5	6209998.5	1000	6880	+0.003	3638.842	979676.115	6.771	22.486	-8.154	21.103	72.865
568898.0	6210001.0	1000	6890	+0.003	3638.531	979675.804	6.462	23.067	-8.364	21.165	74.748
568996.4	6209999.6	1000	6900	+0.003	3638.188	979675.461	6.119	23.666	-8.581	21.203	76.687
569097.7	6209999.9	1000	6910	+0.002	3637.904	979675.177	5.836	24.279	-8.804	21.311	78.674
569200.9	6209999.7	1000	6920	+0.002	3637.758	979675.031	5.690	24.953	-9.048	21.595	80.859
569300.0	6209999.9	1000	6930	+0.002	3637.704	979674.977	5.637	25.536	-9.259	21.913	82.747
569399.3	6209999.5	1000	6940	+0.002	3637.525	979674.798	5.458	26.109	-9.467	22.100	84.605
569000.0	6210399.6	1040	6900	+0.001	3638.596	979675.869	6.830	23.011	-8.344	21.497	74.566
569098.8	6210399.7	1040	6910	+0.002	3638.291	979675.564	6.526	23.388	-8.481	21.433	75.787
569199.8	6210400.7	1040	6920	+0.002	3638.069	979675.342	6.305	23.882	-8.660	21.527	77.387
569299.3	6210400.3	1040	6930	+0.002	3638.045	979675.318	6.281	24.413	-8.852	21.842	79.110
569399.6	6210400.3	1040	6940	+0.002	3637.936	979675.209	6.173	25.038	-9.079	22.132	81.134
569498.7	6210401.7	1040	6950	+0.002	3637.635	979674.908	5.874	25.793	-9.353	22.314	83.582
569598.9	6210400.1	1040	6960	+0.002	3637.173	979674.446	5.411	26.514	-9.614	22.311	85.917
569198.1	6210799.3	1080	6920	+0.001	3637.045	979674.318	5.583	24.217	-8.781	21.019	78.475
571298.5	6213599.7	1360	7130	+0.009	3629.424	979666.697	0.097	30.501	-11.060	19.538	98.838

Cummins East

MGA94 E	ZONE 53 N	GRID Line	Stn	drift	corr'd meter	obs mgal	anom	freeair corrn	bouguer corrn (2.67)	bouguer anom	height (AHD)
D147											
583053.0	6209048.5	0	2004	-0.005	3598.582	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3598.587	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	-0.011	3598.587	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3598.598	979635.610	-34.367	81.328	-29.490	17.472	263.539
583069.4	6208998.9	900	8310	-0.006	3598.538	979635.561	-34.453	81.363	-29.503	17.407	263.653
583167.2	6208999.3	900	8320	-0.006	3600.167	979637.190	-32.823	78.980	-28.639	17.519	255.931
583268.1	6208999.0	900	8330	-0.007	3603.023	979640.046	-29.967	75.039	-27.209	17.862	243.158
583368.4	6208997.8	900	8340	-0.007	3605.197	979642.220	-27.793	72.040	-26.122	18.125	233.441
583476.1	6208995.3	900	8350	-0.009	3607.159	979644.182	-25.832	69.143	-25.072	18.240	224.055
583577.7	6209003.4	900	8360	-0.009	3607.053	979644.076	-25.931	69.173	-25.083	18.159	224.152
583674.0	6209000.9	900	8370	-0.010	3607.769	979644.792	-25.217	67.841	-24.599	18.025	219.834
D148											
583053.0	6209048.5	0	2004	+0.000	3598.859	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3598.859	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.011	3598.859	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3598.848	979635.610	-34.367	81.328	-29.490	17.472	263.539
583069.4	6208998.9	900	8310	+0.002	3598.801	979635.552	-34.462	81.370	-29.505	17.403	263.674
583476.1	6208995.4	900	8350	+0.011	3607.427	979644.178	-25.836	69.143	-25.071	18.235	224.053
583800.4	6208998.8	900	8380	+0.003	3608.465	979645.216	-24.793	66.854	-24.241	17.819	216.635
583900.4	6209001.4	900	8390	+0.003	3609.478	979646.229	-23.778	65.133	-23.617	17.738	211.059
583993.9	6209001.4	900	8400	+0.003	3610.011	979646.762	-23.244	64.189	-23.275	17.670	208.002
584099.3	6208999.9	900	8410	+0.003	3612.018	979648.769	-21.238	60.927	-22.092	17.597	197.429
584198.6	6209000.0	900	8420	+0.003	3613.319	979650.070	-19.936	58.794	-21.319	17.539	190.517
583498.6	6209399.5	940	8350	+0.004	3599.806	979636.557	-33.151	79.350	-28.773	17.427	257.128
583599.5	6209399.8	940	8360	+0.004	3600.486	979637.237	-32.470	78.324	-28.401	17.454	253.805
583698.0	6209399.2	940	8370	+0.004	3601.546	979638.297	-31.410	76.728	-27.822	17.497	248.633
583795.3	6209398.4	940	8380	+0.004	3603.291	979640.042	-29.665	74.459	-26.999	17.795	241.281
583898.0	6209399.5	940	8390	+0.004	3602.578	979639.329	-30.376	74.400	-26.978	17.047	241.090
584000.8	6209401.2	940	8400	+0.004	3604.121	979640.872	-28.831	71.831	-26.046	16.954	232.765
584099.5	6209396.0	940	8410	+0.004	3605.108	979641.859	-27.847	70.082	-25.412	16.822	227.095
584197.4	6209401.0	940	8420	+0.004	3606.159	979642.910	-26.792	68.553	-24.858	16.903	222.141
583500.5	6209799.3	980	8350	+0.005	3600.459	979637.210	-32.194	78.873	-28.600	18.079	255.583
583590.4	6209811.1	980	8360	+0.005	3598.549	979635.300	-34.095	80.110	-29.048	16.967	259.592
583696.9	6209800.3	980	8370	+0.006	3600.770	979637.521	-31.882	76.378	-27.695	16.801	247.498
583801.3	6209801.4	980	8380	+0.006	3603.638	979640.389	-29.012	71.924	-26.080	16.832	233.066
583900.3	6209800.5	980	8390	+0.006	3603.710	979640.461	-28.940	71.534	-25.938	16.655	231.801
583998.5	6209800.3	980	8400	+0.006	3604.719	979641.470	-27.930	70.223	-25.463	16.829	227.552
584098.8	6209802.6	980	8410	+0.006	3606.687	979643.438	-25.960	67.463	-24.463	17.041	218.611
584198.7	6209800.9	980	8420	+0.006	3609.022	979645.773	-23.626	63.775	-23.125	17.024	206.659
583298.9	6210200.9	1020	8330	+0.008	3601.395	979638.146	-30.955	76.738	-27.826	17.957	248.666
583399.5	6210203.1	1020	8340	+0.008	3601.213	979637.964	-31.135	77.139	-27.971	18.033	249.964
583497.8	6210202.9	1020	8350	+0.007	3601.759	979638.510	-30.589	75.700	-27.449	17.663	245.302
583600.5	6210199.5	1020	8360	+0.007	3600.805	979637.556	-31.544	75.818	-27.492	16.782	245.684
583695.9	6210198.9	1020	8370	+0.007	3600.803	979637.554	-31.546	75.012	-27.200	16.266	243.073
583798.1	6210199.5	1020	8380	+0.007	3603.557	979640.308	-28.791	70.559	-25.585	16.183	228.643
583898.3	6210199.3	1020	8390	+0.007	3605.712	979642.463	-26.636	67.374	-24.430	16.308	218.320
583992.8	6210199.0	1020	8400	+0.007	3606.509	979643.260	-25.838	66.137	-23.982	16.317	214.314
584098.2	6210199.6	1020	8410	+0.006	3605.471	979642.222	-26.875	67.664	-24.535	16.254	219.261
584201.1	6210201.1	1020	8420	+0.006	3605.440	979642.191	-26.904	68.400	-24.802	16.694	221.647
583199.8	6210601.7	1060	8320	+0.008	3605.700	979642.451	-26.347	69.766	-25.297	18.121	226.071
583299.0	6210600.7	1060	8330	+0.009	3605.509	979642.260	-26.538	69.961	-25.368	18.055	226.705
583399.0	6210598.4	1060	8340	+0.009	3605.385	979642.136	-26.663	69.760	-25.295	17.802	226.054
583503.9	6210597.2	1060	8350	+0.009	3605.852	979642.603	-26.197	68.304	-24.767	17.340	221.335
583599.9	6210632.2	1060	8360	+0.009	3605.234	979641.985	-26.787	68.696	-24.910	16.999	222.606
583697.9	6210575.4	1060	8370	+0.009	3604.063	979640.814	-28.001	70.451	-25.546	16.904	228.292
583798.9	6210598.2	1060	8380	+0.009	3603.077	979639.828	-28.969	71.972	-26.097	16.906	233.220
583895.7	6210599.0	1060	8390	+0.010	3601.292	979638.043	-30.753	74.780	-27.116	16.912	242.321
583997.7	6210600.4	1060	8400	+0.010	3599.136	979635.887	-32.907	78.060	-28.305	16.848	252.948
584098.3	6210599.4	1060	8410	+0.010	3597.990	979634.741	-34.053	79.704	-28.901	16.750	258.275
584200.9	6210601.3	1060	8420	+0.010	3597.305	979634.056	-34.736	80.470	-29.179	16.555	260.758
D149											
583053.0	6209048.5	0	2004	+0.000	3599.106	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3599.106	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	-0.025	3599.106	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3599.131	979635.610	-34.367	81.328	-29.490	17.472	263.539
583500.4	6209799.2	980	8350	-0.025	3600.694	979637.198	-32.206	78.865	-28.597	18.062	255.558
584201.4	6210601.3	1060	8420	-0.004	3597.560	979634.064	-34.728	80.470	-29.179	16.563	260.759
583299.2	6211000.5	1100	8330	-0.010	3605.227	979641.731	-26.764	70.156	-25.439	17.953	227.335
583396.3	6211000.0	1100	8340	-0.010	3603.839	979640.343	-28.152	71.242	-25.833	17.257	230.855
583498.0	6211001.1	1100	8350	-0.010	3602.725	979639.229	-29.264	72.313	-26.221	16.828	234.325
583596.3	6211000.1	1100	8360	-0.009	3603.012	979639.516	-28.978	72.243	-26.196	17.070	234.099
583696.5	6210998.5	1100	8370	-0.009	3602.653	979639.157	-29.337	72.563	-26.312	16.914	235.136
583798.6	6210998.7	1100	8380	-0.009	3602.198	979638.702	-29.791	73.867	-26.785	17.291	239.362
583897.6	6211000.3	1100	8390	-0.008	3601.953	979638.457	-30.034	74.622	-27.058	17.529	241.808
583993.5	6211003.0	1100	8400	-0.008	3601.847	979638.351	-30.138	74.498	-27.013	17.347	241.406
584099.5	6210998.5	1100	8410	-0.008	3602.242	979638.746	-29.745	73.942	-26.812	17.385	239.605

584198.6	6211000.2	1100	8420	-0.007	3602.911	979639.415	-29.075	73.026	-26.479	17.472	236.635
583498.8	6211400.5	1140	8350	-0.011	3606.730	979643.234	-24.957	67.689	-24.544	18.188	219.342
583595.3	6211404.0	1140	8360	-0.012	3609.027	979645.531	-22.656	64.352	-23.334	18.361	208.529
583698.1	6211399.5	1140	8370	-0.012	3607.534	979644.038	-24.152	66.191	-24.001	18.038	214.488
583798.0	6211401.2	1140	8380	-0.013	3605.844	979642.348	-25.840	68.509	-24.842	17.827	221.998
583900.5	6211402.3	1140	8390	-0.013	3606.535	979643.039	-25.148	67.749	-24.566	18.035	219.537
584000.0	6211396.2	1140	8400	-0.013	3607.635	979644.139	-24.052	65.922	-23.904	17.967	213.617
584114.9	6211437.6	1140	8410	-0.014	3608.149	979644.653	-23.505	65.044	-23.585	17.954	210.771
584209.8	6211384.0	1140	8420	-0.015	3606.051	979642.555	-25.643	68.221	-24.737	17.841	221.066
580200.0	6211797.4	1180	8020	-0.022	3618.133	979654.637	-13.275	49.074	-17.794	18.005	159.020
580304.0	6211799.3	1180	8030	-0.022	3618.448	979654.952	-12.958	48.932	-17.743	18.231	158.560
580397.7	6211799.0	1180	8040	-0.022	3618.665	979655.169	-12.740	49.106	-17.806	18.560	159.125
580501.5	6211800.2	1180	8050	-0.021	3619.075	979655.579	-12.329	49.364	-17.899	19.136	159.960
580595.7	6211800.2	1180	8060	-0.021	3618.671	979655.175	-12.732	50.142	-18.182	19.228	162.483
580697.1	6211806.0	1180	8070	-0.021	3618.271	979654.775	-13.127	50.899	-18.456	19.316	164.936
580801.6	6211785.2	1180	8080	-0.021	3618.153	979654.657	-13.260	51.278	-18.594	19.424	166.164
580901.9	6211804.5	1180	8090	-0.020	3618.268	979654.772	-13.130	51.088	-18.525	19.434	165.548
580998.2	6211798.0	1180	8100	-0.020	3618.458	979654.962	-12.944	50.878	-18.449	19.486	164.867
581099.5	6211798.5	1180	8110	-0.020	3618.380	979654.884	-13.021	51.142	-18.544	19.577	165.724
581195.4	6211793.7	1180	8120	-0.019	3618.571	979655.075	-12.833	51.188	-18.561	19.794	165.871
581303.2	6211801.1	1180	8130	-0.019	3617.843	979654.347	-13.555	51.846	-18.799	19.492	168.003
581401.5	6211800.0	1180	8140	-0.019	3617.093	979653.597	-14.305	52.954	-19.201	19.448	171.595
581500.8	6211800.5	1180	8150	-0.019	3615.596	979652.100	-15.801	54.631	-19.810	19.021	177.030
581598.9	6211799.1	1180	8160	-0.019	3613.684	979650.188	-17.713	56.943	-20.648	18.582	184.520
581701.1	6211798.0	1180	8170	-0.019	3613.269	979649.773	-18.128	57.911	-20.999	18.784	187.657
581796.7	6211801.7	1180	8180	-0.018	3612.966	979649.470	-18.428	58.320	-21.147	18.745	188.982
581896.4	6211799.4	1180	8190	-0.018	3613.492	979649.996	-17.903	57.774	-20.949	18.921	187.212
581997.1	6211800.9	1180	8200	-0.018	3615.293	979651.797	-16.100	55.475	-20.116	19.260	179.765
582096.2	6211798.2	1180	8210	-0.018	3616.324	979652.828	-15.071	53.885	-19.539	19.276	174.611
582202.1	6211798.8	1180	8220	-0.017	3617.289	979653.793	-14.105	52.539	-19.051	19.384	170.250
582298.4	6211800.3	1180	8230	-0.016	3617.325	979653.829	-14.067	52.565	-19.060	19.438	170.334
582399.4	6211800.7	1180	8240	-0.016	3615.666	979652.170	-15.725	54.864	-19.894	19.245	177.783
D150											
583053.0	6209048.5	0	2004	+0.000	3599.384	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3599.384	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.017	3599.384	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3599.367	979635.610	-34.367	81.328	-29.490	17.472	263.539
583368.5	6208997.8	900	8340	+0.017	3605.997	979642.223	-27.790	72.035	-26.120	18.125	233.425
580195.3	6211019.9	1100	8020	+0.015	3623.550	979659.776	-8.725	42.996	-15.590	18.680	139.325
580299.1	6211000.3	1100	8030	+0.015	3623.198	979659.424	-9.091	43.740	-15.860	18.789	141.738
580401.0	6211000.0	1100	8040	+0.015	3622.729	979658.955	-9.560	44.831	-16.256	19.015	145.271
580499.6	6211000.8	1100	8050	+0.015	3622.346	979658.572	-9.942	45.751	-16.589	19.220	148.252
580599.3	6211000.1	1100	8060	+0.015	3621.948	979658.174	-10.340	47.029	-17.053	19.637	152.395
580700.5	6211000.0	1100	8070	+0.015	3621.406	979657.632	-10.881	48.124	-17.450	19.793	155.943
580201.9	6211399.2	1140	8020	+0.014	3620.760	979656.986	-11.227	46.725	-16.943	18.555	151.411
580300.8	6211397.8	1140	8030	+0.014	3621.116	979657.342	-10.872	46.490	-16.857	18.760	150.647
580397.4	6211402.7	1140	8040	+0.014	3621.674	979657.900	-10.310	45.782	-16.601	18.872	148.354
580497.5	6211400.2	1140	8050	+0.014	3622.077	979658.303	-9.908	45.701	-16.571	19.222	148.091
580591.1	6211396.9	1140	8060	+0.013	3621.856	979658.082	-10.131	46.175	-16.743	19.301	149.628
580696.7	6211400.9	1140	8070	+0.013	3620.925	979657.151	-11.058	47.671	-17.286	19.328	154.476
580799.5	6211399.5	1140	8080	+0.013	3620.376	979656.602	-11.608	48.694	-17.657	19.430	157.789
580900.9	6211400.4	1140	8090	+0.013	3619.498	979655.724	-12.484	49.576	-17.977	19.116	160.649
581000.2	6211399.7	1140	8100	+0.013	3618.758	979654.984	-13.224	50.671	-18.373	19.074	164.196
581100.6	6211398.6	1140	8110	+0.013	3617.895	979654.121	-14.087	52.146	-18.908	19.150	168.975
581198.4	6211398.3	1140	8120	+0.012	3616.794	979653.020	-15.188	54.014	-19.586	19.241	175.030
581300.0	6211400.2	1140	8130	+0.012	3615.603	979651.829	-16.377	55.747	-20.214	19.156	180.645
581400.6	6211398.5	1140	8140	+0.012	3614.246	979650.472	-17.734	57.235	-20.754	18.747	185.466
581501.0	6211400.4	1140	8150	+0.012	3614.388	979650.614	-17.590	57.449	-20.831	19.028	186.160
581603.4	6211400.9	1140	8160	+0.012	3613.936	979650.162	-18.041	57.940	-21.009	18.890	187.752
581700.0	6211400.5	1140	8170	+0.012	3612.915	979649.141	-19.062	59.172	-21.456	18.654	191.743
581801.4	6211399.0	1140	8180	+0.011	3613.293	979649.519	-18.684	58.649	-21.266	18.699	190.049
581898.7	6211399.1	1140	8190	+0.011	3612.624	979648.850	-19.353	59.855	-21.704	18.799	193.956
582000.1	6211400.3	1140	8200	+0.011	3612.346	979648.572	-19.629	59.781	-21.677	18.475	193.717
582095.5	6211399.6	1140	8210	+0.011	3612.920	979649.146	-19.055	58.877	-21.349	18.473	190.787
582197.3	6211399.1	1140	8220	+0.011	3615.021	979651.247	-16.954	56.197	-20.377	18.866	182.104
582299.4	6211400.6	1140	8230	+0.011	3615.560	979651.786	-16.413	54.917	-19.913	18.591	177.954
582399.5	6211399.5	1140	8240	+0.010	3615.135	979651.361	-16.838	55.398	-20.087	18.472	179.513
582509.8	6211400.1	1140	8250	+0.010	3615.110	979651.336	-16.862	56.319	-20.421	19.036	182.498
582600.6	6211402.4	1140	8260	+0.010	3614.181	979650.407	-17.788	57.858	-20.979	19.090	187.484
582699.8	6211400.6	1140	8270	+0.010	3613.002	979649.228	-18.968	59.492	-21.572	18.952	192.781
582797.7	6211398.6	1140	8280	+0.010	3611.297	979647.523	-20.674	61.758	-22.394	18.691	200.124
582897.8	6211399.8	1140	8290	+0.010	3609.755	979645.981	-22.214	63.809	-23.137	18.457	206.769
583000.3	6211399.3	1140	8300	+0.009	3608.844	979645.070	-23.125	65.273	-23.668	18.479	211.512
583096.6	6211399.8	1140	8310	+0.009	3609.493	979645.719	-22.475	64.485	-23.383	18.628	208.961
583192.4	6211401.7	1140	8320	+0.009	3610.023	979646.249	-21.943	63.667	-23.086	18.638	206.309
583297.8	6211400.9	1140	8330	+0.009	3608.781	979645.007	-23.185	65.406	-23.716	18.505	211.944
583399.3	6211399.8	1140	8340	+0.008	3607.016	979643.242	-24.950	67.955	-24.641	18.364	220.203
580397.8	6211799.0	1180	8040	+0.002	3618.952	979655.178	-12.731	49.102	-17.804	18.566	159.111
580200.5	6212200.6	1220	8020	+0.003	3617.320	979653.546	-14.060	50.363	-18.262	18.041	163.197
580299.1	6212201.8	1220	8030	+0.003	3617.806	979654.032	-13.573	49.609	-17.988	18.048	160.754
580399.8	6212201.7	1220	8040	+0.003	3618.755	979654.981	-12.623	48.557	-17.607	18.327	157.346
580499.2	6212200.8	1220	8050	+0.003	3619.460	979655.686	-11.918	48.221	-17.485	18.818	156.257
580599.7	6212202.3	1220	8060	+0.003	3619.828	979656.054	-11.548	48.629	-17.633	19.448	157.581

580702.8	6212201.5	1220	8070	+0.003	3618.652	979654.878	-12.724	50.478	-18.304	19.450	163.572
580798.2	6212201.7	1220	8080	+0.003	3617.968	979654.194	-13.407	51.438	-18.652	19.379	166.682
580899.1	6212199.8	1220	8090	+0.004	3618.016	979654.242	-13.360	51.291	-18.598	19.332	166.205
581000.1	6212201.1	1220	8100	+0.004	3618.895	979655.121	-12.479	50.271	-18.229	19.563	162.901
581100.6	6212200.4	1220	8110	+0.004	3618.510	979654.736	-12.864	50.723	-18.392	19.466	164.365
581199.7	6212199.0	1220	8120	+0.004	3616.961	979653.187	-14.414	52.890	-19.178	19.298	171.388
581297.9	6212199.4	1220	8130	+0.004	3615.388	979651.614	-15.986	54.768	-19.859	18.923	177.474
581398.6	6212200.2	1220	8140	+0.004	3614.458	979650.684	-16.915	55.773	-20.224	18.635	180.729
581499.8	6212198.9	1220	8150	+0.005	3613.685	979649.911	-17.688	56.772	-20.586	18.498	183.965
581597.7	6212200.3	1220	8160	+0.005	3613.076	979649.302	-18.295	57.758	-20.943	18.520	187.162
581700.4	6212200.6	1220	8170	+0.005	3612.839	979649.065	-18.531	58.307	-21.142	18.633	188.939
581797.0	6212200.9	1220	8180	+0.005	3613.136	979649.362	-18.234	57.911	-20.999	18.679	187.657
581899.5	6212201.2	1220	8190	+0.005	3613.843	979650.069	-17.526	56.765	-20.583	18.656	183.942
581998.7	6212200.9	1220	8200	+0.006	3615.217	979651.443	-16.151	54.850	-19.889	18.810	177.738
582097.8	6212199.5	1220	8210	+0.006	3617.393	979653.619	-13.976	52.152	-18.911	19.266	168.996
582194.4	6212202.4	1220	8220	+0.007	3618.930	979655.156	-12.436	50.094	-18.164	19.494	162.328
582284.5	6212192.9	1220	8230	+0.007	3619.215	979655.441	-12.157	49.715	-18.027	19.531	161.100
582399.1	6212198.9	1220	8240	+0.008	3618.334	979654.560	-13.033	51.281	-18.595	19.653	166.172
D151											
583053.0	6209048.5	0	2004	+0.000	3599.617	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3599.617	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.012	3599.617	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3599.605	979635.610	-34.367	81.328	-29.490	17.472	263.539
582603.0	6210194.3	1020	8260	+0.011	3612.551	979648.544	-20.567	62.088	-22.513	19.008	201.193
582698.8	6210198.9	1020	8270	+0.011	3610.788	979646.781	-22.326	64.508	-23.391	18.791	209.035
582794.5	6210197.6	1020	8280	+0.010	3609.377	979645.370	-23.738	66.579	-24.142	18.700	215.746
582900.5	6210199.4	1020	8290	+0.010	3608.038	979644.031	-25.074	68.302	-24.767	18.461	221.329
582995.8	6210199.1	1020	8300	+0.010	3605.503	979641.496	-27.609	71.679	-25.991	18.079	232.271
583098.2	6210199.6	1020	8310	+0.010	3603.023	979639.016	-30.088	75.306	-27.306	17.912	244.026
583197.9	6210201.2	1020	8320	+0.010	3603.034	979639.027	-30.075	75.404	-27.342	17.987	244.342
583600.5	6210199.6	1020	8360	+0.012	3601.561	979637.554	-31.546	75.830	-27.496	16.788	245.724
580199.1	6210600.3	1060	8020	+0.005	3623.949	979659.942	-8.877	43.138	-15.642	18.619	139.785
580301.9	6210601.0	1060	8030	+0.006	3623.652	979659.645	-9.173	43.888	-15.914	18.801	142.216
580400.1	6210602.6	1060	8040	+0.006	3622.988	979658.981	-9.835	45.144	-16.369	18.940	146.285
580502.4	6210599.4	1060	8050	+0.006	3622.348	979658.341	-10.477	46.276	-16.780	19.019	149.954
580598.8	6210600.0	1060	8060	+0.006	3621.965	979657.958	-10.859	47.369	-17.176	19.334	153.495
580699.8	6210601.6	1060	8070	+0.006	3621.655	979657.648	-11.167	48.617	-17.629	19.821	157.541
580798.9	6210600.0	1060	8080	+0.006	3621.103	979657.096	-11.719	49.973	-18.121	20.134	161.936
580902.6	6210598.8	1060	8090	+0.006	3620.343	979656.336	-12.480	50.816	-18.426	19.910	164.665
580997.7	6210600.5	1060	8100	+0.006	3619.017	979655.010	-13.804	52.339	-18.978	19.557	169.600
581099.6	6210598.7	1060	8110	+0.007	3617.894	979653.887	-14.928	54.058	-19.602	19.529	175.172
581202.4	6210600.2	1060	8120	+0.007	3616.620	979652.613	-16.200	55.837	-20.247	19.390	180.936
581299.9	6210599.7	1060	8130	+0.007	3615.764	979651.757	-17.055	57.162	-20.727	19.380	185.231
581400.3	6210599.4	1060	8140	+0.007	3614.744	979650.737	-18.075	58.891	-21.354	19.462	190.832
581499.1	6210599.3	1060	8150	+0.007	3613.021	979649.014	-19.798	60.151	-21.811	18.542	194.915
581598.7	6210600.3	1060	8160	+0.007	3612.542	979648.535	-20.275	60.691	-22.007	18.409	196.666
581697.8	6210599.8	1060	8170	+0.007	3613.561	979649.554	-19.256	59.292	-21.499	18.537	192.131
581800.8	6210598.9	1060	8180	+0.008	3615.453	979651.446	-17.364	56.411	-20.455	18.593	182.797
581904.2	6210598.9	1060	8190	+0.008	3617.167	979653.160	-15.649	54.169	-19.642	18.879	175.533
581999.9	6210600.2	1060	8200	+0.008	3615.310	979651.303	-17.504	57.109	-20.708	18.897	185.057
582097.6	6210601.2	1060	8210	+0.008	3613.365	979649.358	-19.448	59.692	-21.645	18.600	193.429
582200.6	6210599.7	1060	8220	+0.008	3611.744	979647.737	-21.069	62.194	-22.552	18.573	201.536
582298.6	6210603.8	1060	8230	+0.008	3612.099	979648.092	-20.711	61.417	-22.270	18.436	199.018
582403.6	6210602.6	1060	8240	+0.009	3612.544	979648.537	-20.266	60.998	-22.118	18.614	197.662
582497.8	6210599.3	1060	8250	+0.009	3611.227	979647.220	-21.585	62.978	-22.836	18.557	204.077
582604.4	6210604.6	1060	8260	+0.009	3611.478	979647.471	-21.329	62.566	-22.687	18.551	202.743
582699.4	6210599.4	1060	8270	+0.009	3610.433	979646.426	-22.377	64.374	-23.342	18.654	208.599
582802.8	6210611.4	1060	8280	+0.009	3608.001	979643.994	-24.800	67.932	-24.633	18.500	220.131
582899.3	6210599.7	1060	8290	+0.009	3607.174	979643.167	-25.635	69.385	-25.159	18.591	224.838
582999.6	6210600.0	1060	8300	+0.009	3606.244	979642.237	-26.564	69.891	-25.343	17.985	226.479
583103.2	6210594.3	1060	8310	+0.010	3608.144	979644.137	-24.667	67.482	-24.469	18.346	218.673
580700.5	6211000.1	1100	8070	+0.005	3621.647	979657.640	-10.873	48.110	-17.445	19.792	155.899
580798.1	6211000.1	1100	8080	+0.005	3620.943	979656.936	-11.576	49.186	-17.835	19.775	159.385
580901.3	6210999.8	1100	8090	+0.005	3620.098	979656.091	-12.421	50.425	-18.284	19.720	163.398
580998.0	6211000.6	1100	8100	+0.005	3618.651	979654.644	-13.866	52.392	-18.997	19.528	169.772
581099.9	6210999.5	1100	8110	+0.005	3617.358	979653.351	-15.160	54.548	-19.779	19.609	176.758
581200.3	6211001.7	1100	8120	+0.005	3616.876	979652.869	-15.639	55.556	-20.145	19.772	180.027
581300.0	6211000.1	1100	8130	+0.004	3615.837	979651.830	-16.679	57.062	-20.691	19.693	184.907
581400.5	6211000.5	1100	8140	+0.004	3613.589	979649.582	-18.926	58.973	-21.384	18.664	191.099
581498.7	6211001.8	1100	8150	+0.004	3612.193	979648.186	-20.320	60.982	-22.112	18.549	197.607
581596.9	6210997.4	1100	8160	+0.004	3611.473	979647.466	-21.043	62.376	-22.618	18.715	202.126
581698.8	6210997.4	1100	8170	+0.004	3610.723	979646.716	-21.792	63.623	-23.070	18.761	206.168
581794.9	6210998.2	1100	8180	+0.004	3610.294	979646.287	-22.220	63.527	-23.035	18.271	205.854
581897.5	6211000.4	1100	8190	+0.004	3610.803	979646.796	-21.709	62.439	-22.641	18.089	202.330
581999.8	6211000.1	1100	8200	+0.004	3611.148	979647.141	-21.363	62.033	-22.494	18.177	201.015
582096.9	6211001.4	1100	8210	+0.004	3612.278	979648.271	-20.232	60.823	-22.055	18.537	197.093
582197.9	6211002.1	1100	8220	+0.003	3613.086	979649.079	-19.422	59.610	-21.615	18.573	193.164
582296.6	6210998.7	1100	8230	+0.003	3612.290	979648.283	-20.220	60.464	-21.924	18.319	195.929
582399.2	6211002.5	1100	8240	+0.003	3613.173	979649.166	-19.334	59.446	-21.555	18.557	192.630
582497.1	6211001.1	1100	8250	+0.003	3611.805	979647.798	-20.702	61.514	-22.305	18.507	199.334
582597.5	6211000.8	1100	8260	+0.003	3610.796	979646.789	-21.711	63.120	-22.888	18.522	204.537
582698.0	6211000.3	1100	8270	+0.003	3610.775	979646.768	-21.731	63.195	-22.915	18.549	204.781
582799.1	6210998.3	1100	8280	+0.003	3611.548	979647.541	-20.959	62.070	-22.507	18.604	201.133

582899.2	6210999.5	1100	8290	+0.003	3612.177	979648.170	-20.329	61.094	-22.153	18.612	197.972
583001.2	6210995.9	1100	8300	+0.003	3611.139	979647.132	-21.369	62.557	-22.683	18.505	202.712
583203.2	6211003.3	1100	8320	+0.001	3605.896	979641.889	-26.605	70.005	-25.384	18.016	226.848
583299.3	6211000.6	1100	8330	+0.001	3605.736	979641.729	-26.766	70.156	-25.439	17.951	227.335
D152											
583053.0	6209048.5	0	2004	+0.000	3599.872	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3599.872	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.002	3599.872	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3599.870	979635.610	-34.367	81.328	-29.490	17.472	263.539
580201.2	6209401.0	940	8020	+0.002	3622.676	979658.414	-11.314	45.409	-16.465	17.629	147.145
580303.1	6209398.0	940	8030	+0.002	3622.429	979658.167	-11.563	46.101	-16.716	17.821	149.387
580399.0	6209399.7	940	8040	+0.002	3622.440	979658.178	-11.550	46.634	-16.910	18.174	151.114
580502.7	6209399.2	940	8050	+0.002	3621.955	979657.693	-12.035	47.403	-17.189	18.180	153.608
580602.1	6209399.5	940	8060	+0.002	3620.855	979656.593	-13.134	48.160	-17.463	17.563	156.059
580699.8	6209400.6	940	8070	+0.002	3620.436	979656.174	-13.552	49.129	-17.814	17.763	159.200
580795.8	6209402.0	940	8080	+0.002	3620.306	979656.044	-13.680	50.078	-18.158	18.240	162.274
580903.0	6209404.0	940	8090	+0.002	3620.123	979655.861	-13.861	51.028	-18.503	18.664	165.353
580996.5	6209400.0	940	8100	+0.002	3619.873	979655.611	-14.113	51.929	-18.830	18.986	168.272
581103.5	6209404.4	940	8110	+0.002	3619.227	979654.965	-14.755	53.193	-19.288	19.150	172.368
581204.1	6209403.2	940	8120	+0.002	3618.446	979654.184	-15.536	54.374	-19.716	19.122	176.196
581298.5	6209400.6	940	8130	+0.002	3617.856	979653.594	-16.127	55.668	-20.185	19.355	180.389
581401.1	6209402.9	940	8140	+0.002	3616.779	979652.517	-17.202	57.184	-20.735	19.247	185.302
581499.1	6209400.9	940	8150	+0.002	3615.420	979651.158	-18.562	58.765	-21.308	18.894	190.424
581599.6	6209401.6	940	8160	+0.002	3614.078	979649.816	-19.903	59.537	-21.588	18.046	192.926
581698.4	6209400.1	940	8170	+0.002	3613.719	979649.457	-20.262	60.184	-21.823	18.099	195.022
581800.4	6209403.6	940	8180	+0.002	3612.577	979648.315	-21.401	62.243	-22.570	18.273	201.695
581900.3	6209398.5	940	8190	+0.002	3611.640	979647.378	-22.341	64.258	-23.300	18.617	208.224
581998.5	6209401.8	940	8200	+0.002	3610.691	979646.429	-23.287	66.100	-23.968	18.845	214.193
582100.9	6209402.5	940	8210	+0.002	3609.854	979645.592	-24.123	67.611	-24.516	18.973	219.091
582198.9	6209401.2	940	8220	+0.002	3610.327	979646.065	-23.650	67.589	-24.508	19.431	219.019
583795.3	6209398.5	940	8380	+0.002	3604.296	979640.034	-29.672	74.474	-27.005	17.797	241.330
580198.3	6209798.4	980	8020	+0.001	3623.230	979658.968	-10.459	44.901	-16.281	18.161	145.499
580300.1	6209797.9	980	8030	+0.001	3623.238	979658.976	-10.451	45.409	-16.465	18.493	147.145
580403.0	6209800.9	980	8040	+0.001	3623.281	979659.019	-10.405	45.887	-16.639	18.844	148.694
580502.0	6209802.2	980	8050	+0.001	3622.793	979658.531	-10.891	46.455	-16.845	18.719	150.536
580599.7	6209801.1	980	8060	+0.001	3622.540	979658.278	-11.144	46.728	-16.944	18.640	151.420
580699.8	6209798.8	980	8070	+0.001	3622.698	979658.436	-10.987	46.880	-16.999	18.894	151.912
580801.8	6209799.5	980	8080	+0.001	3622.918	979658.656	-10.766	47.215	-17.120	19.328	152.996
580901.0	6209800.4	980	8090	+0.001	3622.595	979658.333	-11.088	47.831	-17.344	19.399	154.993
581001.7	6209799.9	980	8100	+0.001	3622.225	979657.963	-11.458	48.427	-17.560	19.410	156.926
581099.4	6209800.2	980	8110	+0.001	3621.912	979657.650	-11.770	48.958	-17.752	19.436	158.645
581199.7	6209801.2	980	8120	+0.001	3620.890	979656.628	-12.790	50.199	-18.202	19.206	162.667
581299.8	6209800.5	980	8130	+0.001	3620.119	979655.857	-13.561	51.521	-18.682	19.278	166.951
581399.9	6209799.9	980	8140	+0.001	3620.977	979656.715	-12.703	51.237	-18.579	19.955	166.032
581499.8	6209801.6	980	8150	+0.001	3620.130	979655.868	-13.548	52.555	-19.057	19.951	170.302
581598.7	6209803.2	980	8160	+0.001	3618.270	979654.008	-15.406	54.226	-19.663	19.157	175.716
581694.7	6209797.6	980	8170	+0.001	3617.483	979653.221	-16.197	55.355	-20.072	19.086	179.374
581799.6	6209800.1	980	8180	+0.001	3617.686	979653.424	-15.991	55.262	-20.038	19.233	179.074
581899.9	6209798.3	980	8190	+0.001	3616.169	979651.907	-17.509	57.245	-20.757	18.979	185.500
581999.8	6209800.5	980	8200	+0.001	3615.938	979651.676	-17.738	58.066	-21.055	19.274	188.160
582100.0	6209797.5	980	8210	+0.001	3615.951	979651.689	-17.726	58.199	-21.103	19.369	188.590
582198.5	6209800.6	980	8220	+0.001	3615.319	979651.057	-18.355	59.095	-21.428	19.312	191.495
582301.0	6209801.2	980	8230	+0.001	3613.232	979648.970	-20.441	62.202	-22.555	19.206	201.562
582399.2	6209801.7	980	8240	+0.001	3611.512	979647.250	-22.160	64.499	-23.388	18.951	209.006
582498.6	6209800.0	980	8250	+0.001	3612.913	979648.651	-20.760	62.198	-22.553	18.885	201.550
582600.3	6209787.1	980	8260	+0.001	3613.909	979649.647	-19.773	61.012	-22.123	19.116	197.707
580200.1	6210198.9	1020	8020	+0.001	3624.011	979659.749	-9.375	43.850	-15.900	18.575	142.092
580299.1	6210198.3	1020	8030	+0.001	3623.629	979659.367	-9.756	44.613	-16.177	18.680	144.565
580398.6	6210197.7	1020	8040	+0.001	3623.070	979658.808	-10.315	45.295	-16.424	18.556	146.776
580501.5	6210199.9	1020	8050	+0.001	3622.805	979658.543	-10.578	45.670	-16.560	18.532	147.991
580599.8	6210200.3	1020	8060	+0.001	3622.648	979658.386	-10.734	46.414	-16.830	18.851	150.403
580701.0	6210199.9	1020	8070	+0.001	3622.603	979658.341	-10.778	47.257	-17.136	19.343	153.133
580799.9	6210202.1	1020	8080	+0.001	3622.568	979658.306	-10.811	47.795	-17.331	19.653	154.876
580899.8	6210199.4	1020	8090	+0.001	3621.489	979657.227	-11.891	48.998	-17.767	19.340	158.776
581000.0	6210197.9	1020	8100	+0.001	3620.088	979655.826	-13.293	50.700	-18.384	19.023	164.290
581098.8	6210198.4	1020	8110	+0.001	3619.086	979654.824	-14.294	52.214	-18.933	18.987	169.196
581198.7	6210199.7	1020	8120	+0.001	3618.591	979654.329	-14.787	53.572	-19.425	19.359	173.597
581299.8	6210200.3	1020	8130	+0.001	3620.048	979655.786	-13.329	52.207	-18.930	19.947	169.173
581401.7	6210201.7	1020	8140	+0.001	3619.712	979655.450	-13.664	52.647	-19.090	19.893	170.599
581498.7	6210198.2	1020	8150	+0.001	3620.230	979655.968	-13.148	51.489	-18.670	19.671	166.847
581601.6	6210199.7	1020	8160	+0.001	3619.878	979655.616	-13.498	51.222	-18.573	19.151	165.982
581699.4	6210199.5	1020	8170	+0.001	3619.993	979655.731	-13.382	51.208	-18.568	19.258	165.938
581799.9	6210203.6	1020	8180	+0.000	3619.577	979655.315	-13.794	51.704	-18.748	19.161	167.543
581906.9	6210179.9	1020	8190	+0.000	3619.587	979655.325	-13.802	51.567	-18.698	19.067	167.099
582001.0	6210200.7	1020	8200	+0.000	3619.097	979654.835	-14.275	52.339	-18.978	19.085	169.601
582097.7	6210201.7	1020	8210	+0.000	3618.599	979654.337	-14.772	53.260	-19.312	19.176	172.585
582198.7	6210186.1	1020	8220	+0.000	3618.021	979653.759	-15.361	53.756	-19.492	18.903	174.192
582298.0	6210196.9	1020	8230	+0.000	3617.588	979653.326	-15.785	54.643	-19.814	19.044	177.067
582400.4	6210200.7	1020	8240	+0.000	3616.588	979652.326	-16.782	56.280	-20.407	19.091	182.373
582506.8	6210205.1	1020	8250	+0.000	3614.718	979650.456	-18.648	59.256	-21.487	19.122	192.017
583197.6	6210201.1	1020	8320	+0.000	3603.299	979639.037	-30.065	75.408	-27.343	18.000	244.355
581599.6	6210599.7	1060	8160	+0.001	3612.797	979648.535	-20.276	60.694	-22.008	18.411	196.676
D153											

583053.0	6209048.5	0	2004	+0.000	3600.118	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.118	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.118	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.118	979635.610	-34.367	81.328	-29.490	17.472	263.539
580198.3	6208600.1	860	8020	+0.000	3625.214	979660.706	-9.630	44.371	-16.089	18.653	143.783
580299.4	6208601.5	860	8030	+0.000	3624.851	979660.343	-9.991	45.241	-16.404	18.845	146.600
580404.6	6208600.3	860	8040	+0.000	3625.045	979660.537	-9.797	44.954	-16.301	18.857	145.672
580500.5	6208600.5	860	8050	+0.000	3624.686	979660.178	-10.155	45.117	-16.360	18.602	146.198
580601.4	6208600.4	860	8060	+0.000	3624.671	979660.163	-10.170	45.586	-16.530	18.887	147.720
580700.0	6208601.6	860	8070	+0.000	3625.148	979660.640	-9.691	46.252	-16.771	19.790	149.878
580797.3	6208590.7	860	8080	+0.000	3626.475	979661.967	-8.372	45.200	-16.390	20.439	146.469
580892.6	6208603.2	860	8090	+0.000	3625.473	979660.965	-9.364	46.760	-16.955	20.441	151.522
580998.1	6208592.3	860	8100	+0.000	3625.199	979660.691	-9.645	47.145	-17.095	20.405	152.770
581100.3	6208601.3	860	8110	+0.000	3622.983	979658.475	-11.854	50.130	-18.177	20.099	162.444
581200.6	6208601.6	860	8120	+0.000	3623.060	979658.552	-11.776	49.586	-17.980	19.830	160.679
581300.3	6208601.4	860	8130	+0.000	3623.112	979658.604	-11.724	49.737	-18.035	19.979	161.170
581398.5	6208601.2	860	8140	+0.000	3621.743	979657.235	-13.092	51.399	-18.638	19.670	166.556
581502.4	6208590.1	860	8150	+0.000	3620.262	979655.754	-14.581	53.187	-19.286	19.321	172.350
581600.7	6208601.4	860	8160	+0.000	3618.786	979654.278	-16.047	54.615	-19.804	18.764	176.977
580200.2	6208999.3	900	8020	+0.000	3624.113	979659.605	-10.428	44.492	-16.133	17.931	144.174
580302.8	6208999.9	900	8030	+0.000	3624.298	979659.790	-10.242	44.672	-16.198	18.232	144.758
580399.7	6209001.9	900	8040	+0.000	3624.297	979659.789	-10.241	44.920	-16.288	18.391	145.560
580496.6	6209001.9	900	8050	+0.000	3623.601	979659.093	-10.936	45.403	-16.463	18.004	147.126
580599.0	6209001.6	900	8060	+0.000	3622.778	979658.270	-11.759	46.316	-16.794	17.763	150.083
580696.5	6209001.0	900	8070	+0.000	3622.221	979657.713	-12.315	47.640	-17.275	18.050	154.375
580799.5	6208997.3	900	8080	+0.000	3622.331	979657.823	-12.208	49.052	-17.786	19.058	158.950
580899.8	6208999.8	900	8090	+0.000	3621.779	979657.271	-12.757	51.010	-18.496	19.757	165.295
580997.3	6209000.5	900	8100	+0.000	3620.492	979655.984	-14.043	53.056	-19.238	19.775	171.925
581101.1	6208999.8	900	8110	+0.000	3619.512	979655.004	-15.023	54.810	-19.874	19.913	177.607
581199.4	6209001.2	900	8120	+0.000	3619.131	979654.623	-15.402	55.691	-20.194	20.095	180.463
581300.5	6209000.0	900	8130	+0.000	3618.662	979654.154	-15.871	56.557	-20.508	20.178	183.269
581393.9	6208997.3	900	8140	+0.000	3618.240	979653.732	-16.295	57.002	-20.669	20.038	184.713
581498.9	6208997.6	900	8150	+0.000	3617.796	979653.288	-16.738	56.842	-20.611	19.493	184.194
581596.4	6208997.9	900	8160	+0.000	3617.231	979652.723	-17.302	56.999	-20.668	19.029	184.703
581696.5	6209000.0	900	8170	+0.000	3616.467	979651.959	-18.064	57.752	-20.941	18.748	187.143
581790.4	6208999.0	900	8180	+0.000	3615.903	979651.395	-18.628	58.870	-21.346	18.896	190.764
581902.4	6209000.5	900	8190	+0.000	3614.670	979650.162	-19.859	60.802	-22.047	18.896	197.024
581999.4	6208992.3	900	8200	+0.000	3613.112	979648.604	-21.422	63.533	-23.037	19.073	205.875
582098.9	6208999.1	900	8210	+0.000	3611.077	979646.569	-23.452	65.814	-23.864	18.498	213.266
582198.2	6208999.7	900	8220	+0.000	3609.635	979645.127	-24.893	68.685	-24.906	18.887	222.570
582300.7	6209007.1	900	8230	+0.000	3608.832	979644.324	-25.689	70.396	-25.526	19.181	228.114
582397.7	6209000.5	900	8240	+0.000	3607.340	979642.832	-27.186	72.326	-26.226	18.915	234.369
582497.6	6208999.3	900	8250	+0.000	3606.011	979641.503	-28.515	74.070	-26.858	18.697	240.019
582906.9	6209014.6	900	8290	+0.000	3603.975	979639.467	-30.537	76.933	-27.896	18.500	249.298
582100.9	6209402.6	940	8210	+0.000	3610.104	979645.596	-24.119	67.617	-24.518	18.980	219.108
582198.8	6209401.1	940	8220	+0.000	3610.583	979646.075	-23.640	67.594	-24.510	19.444	219.033
582298.3	6209402.9	940	8230	+0.000	3609.870	979645.362	-24.351	68.661	-24.897	19.413	222.492
582401.7	6209399.9	940	8240	+0.000	3607.797	979643.289	-26.426	71.128	-25.791	18.911	230.487
582497.8	6209399.2	940	8250	+0.000	3609.062	979644.554	-25.161	69.404	-25.166	19.077	224.900
582606.8	6209401.3	940	8260	+0.000	3608.668	979644.160	-25.552	69.505	-25.203	18.750	225.227
582704.7	6209412.0	940	8270	+0.000	3608.744	979644.236	-25.468	69.080	-25.049	18.564	223.850
582820.7	6209400.9	940	8280	+0.000	3608.288	979643.780	-25.931	69.731	-25.285	18.515	225.960
582898.9	6209405.3	940	8290	+0.000	3607.557	979643.049	-26.658	71.052	-25.764	18.630	230.239
D154											
583053.0	6209048.5	0	2004	+0.000	3600.420	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.420	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.024	3600.420	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.396	979635.610	-34.367	81.328	-29.490	17.472	263.539
581802.2	6207399.4	740	8180	+0.023	3620.575	979655.765	-15.471	52.018	-18.862	17.685	168.561
581900.5	6207400.1	740	8190	+0.022	3619.955	979655.145	-16.089	52.980	-19.211	17.680	171.677
581996.8	6207400.6	740	8200	+0.022	3619.535	979654.725	-16.509	53.921	-19.552	17.860	174.727
582099.4	6207395.7	740	8210	+0.022	3619.340	979654.530	-16.706	54.411	-19.730	17.975	176.315
582199.5	6207397.9	740	8220	+0.022	3618.639	979653.829	-17.405	55.365	-20.075	17.884	179.406
582298.7	6207401.1	740	8230	+0.022	3617.818	979653.008	-18.223	56.280	-20.407	17.650	182.373
582398.8	6207399.6	740	8240	+0.021	3617.551	979652.741	-18.491	57.032	-20.680	17.862	184.810
580200.6	6207799.0	780	8020	+0.016	3626.611	979661.801	-9.142	46.221	-16.760	20.319	149.775
580287.5	6207803.9	780	8030	+0.016	3626.234	979661.424	-9.515	46.108	-16.719	19.874	149.410
580400.0	6207798.7	780	8040	+0.017	3625.684	979660.874	-10.068	46.240	-16.767	19.405	149.838
580501.0	6207794.7	780	8050	+0.017	3625.087	979660.277	-10.667	47.374	-17.178	19.529	153.514
580601.4	6207801.1	780	8060	+0.017	3624.346	979659.536	-11.403	48.793	-17.692	19.697	158.110
580701.5	6207802.1	780	8070	+0.018	3623.146	979658.336	-12.601	50.851	-18.439	19.811	164.781
580799.0	6207800.1	780	8080	+0.018	3621.308	979656.498	-14.440	53.460	-19.385	19.635	173.233
580901.3	6207799.5	780	8090	+0.018	3620.042	979655.232	-15.706	55.316	-20.058	19.552	179.247
581003.0	6207799.9	780	8100	+0.018	3619.249	979654.439	-16.498	56.039	-20.320	19.221	181.592
581099.1	6207800.1	780	8110	+0.018	3619.031	979654.221	-16.715	55.465	-20.112	18.638	179.732
581202.0	6207799.5	780	8120	+0.018	3620.009	979655.199	-15.737	53.275	-19.318	18.220	172.633
581299.9	6207800.5	780	8130	+0.019	3620.571	979655.761	-15.174	52.067	-18.880	18.014	168.721
581398.5	6207800.6	780	8140	+0.019	3620.707	979655.897	-15.037	51.539	-18.688	17.814	167.009
581499.9	6207801.0	780	8150	+0.019	3621.477	979656.667	-14.266	50.464	-18.299	17.899	163.526
581599.5	6207801.7	780	8160	+0.019	3621.424	979656.614	-14.318	50.639	-18.362	17.959	164.093
581700.6	6207800.2	780	8170	+0.020	3620.854	979656.044	-14.888	51.446	-18.655	17.904	166.709
581800.1	6207799.1	780	8180	+0.020	3620.028	979655.218	-15.715	52.526	-19.046	17.766	170.209
581898.4	6207801.3	780	8190	+0.020	3618.975	979654.165	-16.765	53.803	-19.509	17.528	174.344

581999.9	6207799.3	780	8200	+0.020	3617.763	979652.953	-17.978	55.263	-20.039	17.247	179.078
582100.4	6207799.6	780	8210	+0.020	3616.536	979651.726	-19.204	57.584	-20.880	17.499	186.596
582200.2	6207807.2	780	8220	+0.020	3615.085	979650.275	-20.649	59.839	-21.698	17.493	193.906
582301.0	6207800.2	780	8230	+0.021	3614.661	979649.851	-21.077	60.622	-21.982	17.563	196.443
582399.5	6207802.9	780	8240	+0.021	3614.517	979649.707	-21.219	60.934	-22.095	17.621	197.454
580206.2	6208198.5	820	8020	+0.015	3627.536	979662.726	-7.914	43.755	-15.866	19.975	141.786
580301.7	6208200.0	820	8030	+0.014	3626.292	979661.482	-9.156	45.409	-16.465	19.787	147.144
580399.4	6208200.5	820	8040	+0.014	3625.488	979660.678	-9.959	46.237	-16.766	19.512	149.827
580498.6	6208199.0	820	8050	+0.014	3624.743	979659.933	-10.705	47.803	-17.334	19.765	154.903
580599.5	6208200.1	820	8060	+0.014	3623.915	979659.105	-11.532	49.105	-17.806	19.768	159.121
580701.1	6208200.0	820	8070	+0.014	3623.780	979658.970	-11.666	49.448	-17.930	19.852	160.234
580800.1	6208199.5	820	8080	+0.013	3624.061	979659.251	-11.385	49.224	-17.849	19.991	159.509
580901.0	6208201.0	820	8090	+0.013	3624.227	979659.417	-11.217	48.817	-17.701	19.899	158.189
580998.0	6208199.7	820	8100	+0.013	3624.070	979659.260	-11.374	48.598	-17.622	19.602	157.479
581099.2	6208201.1	820	8110	+0.013	3623.794	979658.984	-11.648	48.689	-17.655	19.386	157.773
581174.0	6208199.6	820	8120	+0.013	3624.313	979659.503	-11.130	47.809	-17.336	19.343	154.922
581301.2	6208200.6	820	8130	+0.012	3623.193	979658.383	-12.248	48.792	-17.692	18.851	158.107
581393.2	6208192.9	820	8140	+0.011	3622.314	979657.504	-13.133	49.483	-17.943	18.408	160.346
581499.8	6208200.4	820	8150	+0.011	3621.078	979656.268	-14.362	50.888	-18.452	18.074	164.899
581598.1	6208199.0	820	8160	+0.011	3619.879	979655.069	-15.562	52.439	-19.015	17.863	169.925
581699.6	6208201.8	820	8170	+0.011	3618.416	979653.606	-17.022	54.614	-19.803	17.789	176.975
581800.0	6208198.0	820	8180	+0.011	3616.640	979651.830	-18.800	56.989	-20.664	17.525	184.669
581896.8	6208200.8	820	8190	+0.010	3615.524	979650.714	-19.913	58.857	-21.342	17.602	190.724
582002.3	6208200.2	820	8200	+0.010	3614.643	979649.833	-20.794	60.303	-21.866	17.643	195.409
582093.5	6208192.0	820	8210	+0.010	3614.775	979649.965	-20.668	60.630	-21.985	17.978	196.468
582194.3	6208184.0	820	8220	+0.009	3614.927	979650.117	-20.521	60.458	-21.922	18.015	195.911
582293.4	6208201.7	820	8230	+0.009	3614.016	979649.206	-21.418	61.406	-22.266	17.722	198.984
582397.9	6208200.7	820	8240	+0.008	3613.637	979648.827	-21.797	62.174	-22.545	17.833	201.471
582399.8	6208602.2	860	8240	+0.006	3614.851	979650.041	-20.279	61.096	-22.154	18.664	197.978
582501.0	6208608.4	860	8250	+0.006	3614.113	979649.303	-21.011	62.144	-22.534	18.599	201.375
582599.2	6208599.7	860	8260	+0.005	3613.294	979648.484	-21.836	63.400	-22.989	18.575	205.444
582698.9	6208599.9	860	8270	+0.005	3612.333	979647.523	-22.796	64.917	-23.539	18.582	210.361
582798.9	6208599.3	860	8280	+0.005	3610.426	979645.616	-24.703	67.510	-24.480	18.328	218.763
582900.3	6208600.6	860	8290	+0.005	3608.339	979643.529	-26.789	70.312	-25.495	18.028	227.842
582999.1	6208600.0	860	8300	+0.005	3606.729	979641.919	-28.398	72.712	-26.366	17.948	235.618
583099.5	6208596.9	860	8310	+0.004	3603.465	979638.655	-31.664	76.735	-27.824	17.247	248.655
583202.1	6208600.9	860	8320	+0.004	3600.163	979635.353	-34.962	80.799	-29.298	16.539	261.825
583299.6	6208600.2	860	8330	+0.004	3600.874	979636.064	-34.251	79.817	-28.942	16.624	258.643
583399.3	6208599.7	860	8340	+0.004	3601.915	979637.105	-33.210	78.396	-28.427	16.759	254.036
583498.3	6208600.0	860	8350	+0.004	3603.012	979638.202	-32.112	76.538	-27.753	16.673	248.016
583599.5	6208600.1	860	8360	+0.003	3607.537	979642.727	-27.586	70.280	-25.484	17.210	227.739
583699.1	6208599.9	860	8370	+0.003	3609.660	979644.850	-25.463	67.486	-24.471	17.553	218.685
583799.1	6208599.5	860	8380	+0.003	3608.415	979643.605	-26.707	69.290	-25.125	17.458	224.530
583898.6	6208599.7	860	8390	+0.003	3606.421	979641.611	-28.700	71.579	-25.955	16.924	231.949
583997.5	6208600.3	860	8400	+0.003	3605.591	979640.781	-29.529	72.339	-26.231	16.580	234.411
584097.7	6208602.2	860	8410	+0.002	3606.031	979641.221	-29.087	71.388	-25.886	16.416	231.329
584200.2	6208600.2	860	8420	+0.002	3608.906	979644.096	-26.213	67.192	-24.364	16.615	217.733
584198.6	6209000.1	900	8420	+0.001	3614.885	979650.075	-19.931	58.790	-21.317	17.542	190.505
582898.9	6209405.4	940	8290	+0.024	3607.858	979643.048	-26.659	71.060	-25.767	18.634	230.266
D155											
583053.0	6209048.5	0	2004	+0.000	3600.644	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.644	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.003	3600.644	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.641	979635.610	-34.367	81.328	-29.490	17.472	263.539
580200.5	6206599.8	660	8020	+0.003	3623.211	979658.177	-13.676	50.589	-18.344	18.569	163.930
580299.7	6206600.9	660	8030	+0.003	3623.615	979658.581	-13.270	49.727	-18.031	18.425	161.136
580388.8	6206601.6	660	8040	+0.003	3623.882	979658.848	-13.002	49.545	-17.965	18.578	160.548
580496.4	6206598.6	660	8050	+0.003	3624.351	979659.317	-12.535	49.343	-17.892	18.916	159.892
580604.6	6206613.1	660	8060	+0.003	3624.555	979659.521	-12.319	49.657	-18.006	19.332	160.910
580700.8	6206599.8	660	8070	+0.002	3623.728	979658.694	-13.155	50.945	-18.473	19.317	165.084
580797.8	6206601.0	660	8080	+0.002	3622.935	979657.901	-13.947	52.052	-18.874	19.231	168.672
580899.5	6206600.0	660	8090	+0.002	3622.513	979657.479	-14.369	52.624	-19.082	19.173	170.524
580998.2	6206600.4	660	8100	+0.002	3622.259	979657.225	-14.622	53.307	-19.329	19.356	172.737
581100.8	6206600.3	660	8110	+0.002	3621.962	979656.928	-14.918	53.389	-19.359	19.112	173.005
581199.8	6206600.6	660	8120	+0.002	3620.015	979654.981	-16.864	55.908	-20.273	18.771	181.167
581299.9	6206600.5	660	8130	+0.002	3617.691	979652.657	-19.188	59.205	-21.468	18.549	191.850
581399.9	6206598.7	660	8140	+0.002	3617.149	979652.115	-19.731	60.361	-21.887	18.743	195.595
581499.3	6206601.1	660	8150	+0.002	3615.467	979650.433	-21.410	62.837	-22.785	18.642	203.621
581600.8	6206600.9	660	8160	+0.002	3612.613	979647.579	-24.263	67.142	-24.346	18.533	217.569
581698.9	6206598.8	660	8170	+0.002	3611.559	979646.525	-25.318	68.600	-24.875	18.407	222.295
581797.8	6206599.3	660	8180	+0.002	3613.566	979648.532	-23.310	65.968	-23.920	18.737	213.764
581899.2	6206600.6	660	8190	+0.002	3615.659	979650.625	-21.216	62.303	-22.591	18.496	201.888
581997.1	6206599.6	660	8200	+0.002	3615.746	979650.712	-21.129	61.275	-22.219	17.928	198.559
582097.5	6206600.6	660	8210	+0.002	3614.825	979649.791	-22.049	61.419	-22.271	17.100	199.026
582200.6	6206599.4	660	8220	+0.002	3616.183	979651.149	-20.691	59.264	-21.489	17.084	192.042
582299.1	6206600.3	660	8230	+0.002	3616.724	979651.690	-20.148	58.222	-21.112	16.962	188.666
582399.6	6206599.2	660	8240	+0.002	3617.484	979652.450	-19.389	57.470	-20.839	17.243	186.228
580199.5	6207000.3	700	8020	+0.001	3624.364	979659.330	-12.219	49.316	-17.882	19.215	159.806
580300.3	6206997.3	700	8030	+0.001	3625.125	979660.091	-11.460	47.614	-17.265	18.889	154.290
580400.9	6207000.7	700	8040	+0.001	3624.267	979659.233	-12.314	48.514	-17.591	18.608	157.206
580500.6	6206999.3	700	8050	+0.001	3622.340	979657.306	-14.242	51.669	-18.735	18.692	167.430
580597.9	6207001.0	700	8060	+0.001	3619.416	979654.382	-17.164	56.259	-20.400	18.695	182.303
580700.8	6206999.6	700	8070	+0.001	3620.258	979655.224	-16.322	56.293	-20.412	19.559	182.415

580799.9	6207000.1	700	8080	+0.001	3620.570	979655.536	-16.009	56.594	-20.521	20.063	183.388
580900.8	6206999.9	700	8090	+0.001	3618.582	979653.548	-17.997	59.431	-21.550	19.884	192.583
581000.2	6207000.4	700	8100	+0.002	3616.794	979651.760	-19.783	61.530	-22.311	19.435	199.383
581099.7	6207003.0	700	8110	+0.002	3615.192	979650.158	-21.383	63.365	-22.976	19.005	205.329
581200.8	6206999.7	700	8120	+0.002	3613.644	979648.610	-22.933	64.870	-23.522	18.415	210.206
581299.5	6206999.8	700	8130	+0.002	3613.554	979648.520	-23.022	65.103	-23.607	18.475	210.964
581394.3	6207000.1	700	8140	+0.002	3614.445	979649.411	-22.130	63.950	-23.189	18.632	207.227
581499.2	6207000.6	700	8150	+0.002	3618.378	979653.344	-18.196	58.635	-21.261	19.177	190.002
581601.2	6207000.3	700	8160	+0.002	3617.991	979652.957	-18.583	58.934	-21.370	18.982	190.972
581698.4	6206998.6	700	8170	+0.002	3617.601	979652.567	-18.973	59.613	-21.616	19.024	193.171
581797.4	6207000.1	700	8180	+0.002	3618.772	979653.738	-17.801	57.517	-20.856	18.860	186.380
581899.1	6206998.9	700	8190	+0.002	3619.145	979654.111	-17.428	56.315	-20.420	18.467	182.485
581999.1	6207000.0	700	8200	+0.002	3619.100	979654.066	-17.471	55.363	-20.075	17.817	179.401
582099.1	6207001.1	700	8210	+0.002	3619.359	979654.325	-17.211	54.747	-19.852	17.685	177.406
582201.3	6207000.6	700	8220	+0.002	3619.784	979654.750	-16.785	54.563	-19.785	17.993	176.808
582299.8	6207002.0	700	8230	+0.002	3618.743	979653.709	-17.825	55.784	-20.228	17.732	180.765
582398.9	6207000.2	700	8240	+0.002	3616.662	979651.628	-19.906	58.341	-21.155	17.280	189.051
580200.2	6207399.0	740	8020	+0.001	3625.600	979660.566	-10.680	47.861	-17.355	19.826	155.090
580298.2	6207401.7	740	8030	+0.001	3625.354	979660.320	-10.924	47.184	-17.109	19.151	152.898
580416.9	6207379.8	740	8040	+0.001	3625.142	979660.108	-11.152	47.074	-17.069	18.853	152.541
580499.3	6207401.9	740	8050	+0.001	3624.643	979659.609	-11.634	48.431	-17.561	19.236	156.937
580600.1	6207400.1	740	8060	+0.001	3624.113	979659.079	-12.164	49.864	-18.081	19.619	161.581
580698.7	6207401.7	740	8070	+0.001	3622.488	979657.454	-13.787	52.416	-19.006	19.623	169.852
580801.2	6207400.0	740	8080	+0.001	3621.017	979655.983	-15.259	54.629	-19.809	19.562	177.023
580897.9	6207400.2	740	8090	+0.001	3620.397	979655.363	-15.878	56.296	-20.413	20.005	182.423
580998.8	6207399.4	740	8100	+0.000	3618.834	979653.800	-17.441	58.682	-21.279	19.963	190.157
581102.0	6207400.0	740	8110	+0.000	3616.540	979651.506	-19.734	60.851	-22.065	19.052	197.183
581198.3	6207399.5	740	8120	+0.000	3615.426	979650.392	-20.848	61.205	-22.193	18.164	198.331
581298.8	6207400.0	740	8130	+0.000	3614.915	979649.881	-21.358	61.499	-22.300	17.841	199.283
581398.9	6207399.9	740	8140	+0.000	3614.893	979649.859	-21.379	61.422	-22.272	17.771	199.033
581498.8	6207399.1	740	8150	+0.000	3615.932	979650.898	-20.340	59.643	-21.627	17.676	193.270
581599.6	6207400.6	740	8160	+0.000	3618.907	979653.873	-17.363	55.014	-19.948	17.702	178.268
581699.2	6207400.8	740	8170	+0.000	3620.378	979655.344	-15.891	52.724	-19.118	17.715	170.848
582399.6	6208602.3	860	8240	+0.003	3615.083	979650.049	-20.271	61.110	-22.159	18.681	198.024
582501.0	6208608.4	860	8250	+0.000	3614.339	979649.305	-21.009	62.118	-22.524	18.585	201.291
D156											
583053.0	6209048.5	0	2004	+0.000	3600.888	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.888	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	-0.001	3600.888	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3600.889	979635.610	-34.367	81.328	-29.490	17.472	263.539
580200.1	6205800.3	580	8020	-0.001	3621.833	979656.555	-15.904	53.350	-19.345	18.101	172.877
580300.0	6205800.4	580	8030	-0.001	3621.633	979656.355	-16.103	54.750	-19.852	18.794	177.413
580399.7	6205800.3	580	8040	-0.001	3619.794	979654.516	-17.942	57.650	-20.904	18.804	186.810
580500.3	6205799.5	580	8050	-0.001	3619.102	979653.824	-18.634	58.414	-21.181	18.599	189.286
580598.4	6205801.0	580	8060	-0.001	3619.957	979654.679	-17.777	56.993	-20.666	18.550	184.682
580698.6	6205800.5	580	8070	-0.001	3621.114	979655.836	-16.620	54.716	-19.840	18.256	177.305
580805.4	6205808.1	580	8080	-0.001	3622.062	979656.784	-15.665	52.902	-19.183	18.054	171.426
580899.7	6205800.0	580	8090	-0.001	3622.664	979657.386	-15.069	52.382	-18.994	18.320	169.741
580999.8	6205799.6	580	8100	-0.001	3620.100	979654.822	-17.632	56.593	-20.521	18.440	183.386
581098.7	6205805.6	580	8110	-0.001	3617.450	979652.172	-20.277	61.195	-22.190	18.728	198.299
581197.8	6205800.0	580	8120	-0.001	3616.495	979651.217	-21.236	63.363	-22.976	19.152	205.324
581299.6	6205791.8	580	8130	-0.001	3617.373	979652.095	-20.363	62.954	-22.827	19.764	203.999
581400.2	6205800.1	580	8140	-0.001	3617.780	979652.502	-19.949	62.927	-22.818	20.160	203.911
581500.3	6205800.7	580	8150	-0.001	3618.287	979653.009	-19.441	62.295	-22.589	20.266	201.864
581604.8	6205822.7	580	8160	+0.000	3617.466	979652.188	-20.245	63.445	-23.006	20.195	205.591
581700.9	6205799.8	580	8170	+0.000	3615.709	979650.431	-22.019	65.984	-23.926	20.039	213.817
581797.9	6205803.3	580	8180	+0.000	3614.040	979648.762	-23.684	67.994	-24.655	19.655	220.330
581897.3	6205799.8	580	8190	+0.000	3611.927	979646.649	-25.799	70.545	-25.580	19.166	228.597
581999.7	6205800.2	580	8200	+0.000	3609.094	979643.816	-28.631	73.931	-26.808	18.492	239.570
582099.0	6205799.5	580	8210	+0.000	3606.988	979641.710	-30.737	75.936	-27.535	17.664	246.066
582193.7	6205800.6	580	8220	+0.000	3609.801	979644.523	-27.923	71.794	-26.033	17.838	232.644
582298.4	6205800.7	580	8230	+0.000	3610.772	979645.494	-26.951	70.200	-25.455	17.794	227.479
582400.5	6205799.7	580	8240	+0.000	3611.693	979646.415	-26.030	68.497	-24.837	17.629	221.959
580200.7	6206200.3	620	8020	+0.000	3623.090	979657.812	-14.344	51.908	-18.822	18.742	168.204
580300.1	6206200.7	620	8030	+0.000	3623.790	979658.512	-13.643	51.066	-18.517	18.907	165.476
580400.8	6206201.4	620	8040	+0.000	3623.038	979657.760	-14.393	52.079	-18.884	18.802	168.759
580504.0	6206202.2	620	8050	+0.000	3622.302	979657.024	-15.128	52.693	-19.107	18.458	170.750
580599.1	6206201.0	620	8060	+0.000	3622.819	979657.541	-14.611	51.974	-18.846	18.517	168.420
580701.5	6206198.9	620	8070	+0.000	3623.636	979658.358	-13.795	51.070	-18.518	18.756	165.489
580802.2	6206204.4	620	8080	+0.000	3623.944	979658.666	-13.483	51.107	-18.532	19.093	165.609
580893.0	6206193.9	620	8090	+0.000	3623.380	979658.102	-14.054	51.870	-18.808	19.008	168.082
581000.8	6206198.8	620	8100	+0.000	3621.714	979656.436	-15.715	54.079	-19.609	18.755	175.241
581101.1	6206199.2	620	8110	+0.000	3620.239	979654.961	-17.189	56.282	-20.408	18.684	182.377
581201.0	6206199.7	620	8120	+0.000	3618.422	979653.144	-19.006	59.245	-21.483	18.757	191.980
581302.9	6206194.8	620	8130	+0.000	3618.308	979653.030	-19.122	60.539	-21.952	19.465	196.174
581400.1	6206199.4	620	8140	+0.000	3617.337	979652.059	-20.090	62.287	-22.585	19.612	201.836
581506.4	6206195.5	620	8150	+0.000	3615.322	979650.044	-22.107	65.280	-23.671	19.502	211.536
581598.0	6206199.8	620	8160	+0.000	3613.797	979648.519	-23.628	67.698	-24.548	19.523	219.371
581699.2	6206200.6	620	8170	+0.000	3611.746	979646.468	-25.678	70.956	-25.729	19.550	229.929
581800.8	6206203.2	620	8180	+0.000	3610.275	979644.997	-27.146	72.964	-26.457	19.362	236.437
581898.3	6206200.6	620	8190	+0.000	3609.688	979644.410	-27.734	73.268	-26.567	18.966	237.419
581995.4	6206200.0	620	8200	+0.000	3612.385	979647.107	-25.037	68.476	-24.830	18.609	221.891
582098.7	6206202.7	620	8210	+0.000	3613.718	979648.440	-23.701	64.728	-23.471	17.556	209.747

582198.8	6206204.2	620	8220	+0.000	3612.149	979646.871	-25.269	65.462	-23.737	16.457	212.127
582298.8	6206200.2	620	8230	+0.000	3613.425	979648.147	-23.995	63.133	-22.892	16.246	204.579
582399.9	6206201.0	620	8240	+0.000	3613.591	979648.313	-23.828	62.758	-22.756	16.174	203.365
580388.9	6206601.7	660	8040	+0.000	3624.138	979658.860	-12.990	49.553	-17.968	18.595	160.572
582600.3	6209787.1	980	8260	-0.001	3614.918	979649.640	-19.780	61.013	-22.123	19.109	197.708
582692.7	6209786.7	980	8270	-0.001	3613.792	979648.514	-20.906	62.699	-22.735	19.058	203.171
582798.4	6209804.3	980	8280	-0.001	3613.746	979648.468	-20.937	62.532	-22.674	18.920	202.630
582900.1	6209792.2	980	8290	-0.001	3611.933	979646.655	-22.759	65.287	-23.673	18.855	211.559
583007.1	6209791.7	980	8300	-0.001	3609.552	979644.274	-25.140	68.566	-24.862	18.564	222.184
583091.8	6209791.7	980	8310	-0.001	3608.078	979642.800	-26.613	70.633	-25.612	18.408	228.883
583191.0	6209797.9	980	8320	-0.001	3607.180	979641.902	-27.506	71.664	-25.986	18.173	232.223
583289.7	6209802.3	980	8330	-0.001	3606.446	979641.168	-28.236	73.129	-26.517	18.376	236.970
583397.9	6209800.3	980	8340	-0.001	3605.324	979640.046	-29.358	74.938	-27.173	18.407	242.831
583095.3	6211001.9	1100	8310	-0.001	3609.047	979643.769	-24.727	67.125	-24.340	18.059	217.516
D157											
583053.0	6209048.5	0	2004	+0.000	3601.120	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3601.120	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.002	3601.120	979635.610	-34.367	81.328	-29.490	17.472	263.539
583053.0	6209048.5	0	2004	+0.000	3601.118	979635.610	-34.367	81.328	-29.490	17.472	263.539
581998.4	6208603.7	860	8200	+0.002	3618.037	979652.527	-17.794	57.240	-20.755	18.690	185.482
582097.5	6208596.9	860	8210	+0.002	3617.578	979652.068	-18.258	57.969	-21.020	18.692	187.845
582194.4	6208590.0	860	8220	+0.002	3617.326	979651.816	-18.514	58.242	-21.119	18.609	188.729
582298.5	6208611.5	860	8230	+0.002	3615.732	979650.222	-20.091	60.622	-21.982	18.549	196.443
582399.8	6208602.0	860	8240	+0.002	3615.554	979650.044	-20.276	61.124	-22.164	18.685	198.069
582607.6	6208998.4	900	8260	+0.001	3605.262	979639.752	-30.266	75.934	-27.534	18.134	246.059
582689.7	6208987.6	900	8270	+0.001	3605.653	979640.143	-29.882	75.305	-27.306	18.116	244.020
582807.5	6208982.8	900	8280	+0.001	3608.862	979643.352	-26.676	71.185	-25.812	18.697	230.670
582999.9	6209002.2	900	8300	+0.001	3602.769	979637.259	-32.753	79.799	-28.935	18.110	258.583
582899.0	6209405.1	940	8290	+0.000	3608.555	979643.045	-26.663	71.062	-25.767	18.632	230.272
582999.1	6209382.2	940	8300	+0.000	3607.136	979641.626	-28.098	73.370	-26.604	18.667	237.750

Table A1. Gravity data and reductions. Bouguer reductions were calculated using a density of 2.67 g/cm^{-3}. Gravity units are milligals.

Date	Time	AHD	MGA94_53E	MGA94_53N	Reading	Error	ETC	Drift	Correction	dg	Obs_g	Anom	Freeair	Bouguer	Bouguer_Anom
26/05/2008	13:46:41	263.539	583053.031	6209048.513	3598.587	0.035	-0.045	-0.005	3598.582	0	979635.61	-34.367	81.328	-29.49	17.472
26/05/2008	13:50:03	263.539	583053.031	6209048.513	3598.587	0.038	-0.044	0	3598.587	0	979635.61	-34.367	81.328	-29.49	17.472
26/05/2008	15:52:27	263.539	583053.031	6209048.513	3598.598	0.036	-0.022	-0.011	3598.587	0	979635.61	-34.367	81.328	-29.49	17.472
26/05/2008	15:54:57	263.539	583053.031	6209048.513	3598.598	0.031	-0.022	0	3598.598	0	979635.61	-34.367	81.328	-29.49	17.472
26/05/2008	14:53:13	263.653	583069.373	6208998.886	3598.544	0.037	-0.032	-0.006	3598.538	0.049	979635.561	-34.453	81.363	-29.503	17.407
26/05/2008	14:59:52	255.931	583167.235	6208999.338	3600.173	0.033	-0.031	-0.006	3600.167	-1.58	979637.19	-32.823	78.98	-28.639	17.519
26/05/2008	15:07:12	243.158	583268.145	6208998.957	3603.03	0.023	-0.029	-0.007	3603.023	-4.436	979640.046	-29.967	75.039	-27.209	17.862
26/05/2008	15:12:30	233.441	583368.392	6208997.839	3605.204	0.03	-0.028	-0.007	3605.197	-6.61	979642.22	-27.793	72.04	-26.122	18.125
26/05/2008	15:27:26	224.055	583476.074	6208995.34	3607.168	0.033	-0.026	-0.009	3607.159	-8.572	979644.182	-25.832	69.143	-25.072	18.24
26/05/2008	15:34:14	224.152	583577.652	6209003.437	3607.062	0.055	-0.025	-0.009	3607.053	-8.466	979644.076	-25.931	69.173	-25.083	18.159
26/05/2008	15:39:25	219.834	583674.023	6209000.877	3607.779	0.028	-0.024	-0.01	3607.769	-9.182	979644.792	-25.217	67.841	-24.599	18.025
27/05/2008	8:01:29	263.539	583053.031	6209048.513	3598.859	0.048	0.03	0	3598.859	0	979635.61	-34.367	81.328	-29.49	17.472
27/05/2008	8:04:42	263.539	583053.031	6209048.513	3598.859	0.037	0.028	0	3598.859	0	979635.61	-34.367	81.328	-29.49	17.472
27/05/2008	16:27:16	263.539	583053.031	6209048.513	3598.848	0.049	-0.014	0.011	3598.859	0	979635.61	-34.367	81.328	-29.49	17.472
27/05/2008	16:30:47	263.539	583053.031	6209048.513	3598.848	0.038	-0.014	0	3598.848	0	979635.61	-34.367	81.328	-29.49	17.472
27/05/2008	9:57:00	263.674	583069.424	6208998.939	3598.799	0.024	-0.028	0.002	3598.801	0.058	979635.552	-34.462	81.37	-29.505	17.403
27/05/2008	16:16:20	224.053	583476.148	6208995.394	3607.416	0.058	-0.017	0.011	3607.427	-8.568	979644.178	-25.836	69.143	-25.071	18.235
27/05/2008	10:15:05	216.635	583800.407	6208998.816	3608.462	0.04	-0.035	0.003	3608.465	-9.606	979645.216	-24.793	66.854	-24.241	17.819
27/05/2008	10:20:01	211.059	583900.377	6209001.386	3609.475	0.041	-0.037	0.003	3609.478	-10.619	979646.229	-23.778	65.133	-23.617	17.738
27/05/2008	10:25:46	208.002	583993.921	6209001.364	3610.008	0.037	-0.039	0.003	3610.011	-11.152	979646.762	-23.244	64.189	-23.275	17.67
27/05/2008	10:30:01	197.429	584099.34	6208999.873	3612.015	0.06	-0.041	0.003	3612.018	-13.159	979648.769	-21.238	60.927	-22.092	17.597
27/05/2008	10:33:34	190.517	584198.643	6209000.018	3613.316	0.034	-0.042	0.003	3613.319	-14.46	979650.07	-19.936	58.794	-21.319	17.539
27/05/2008	11:21:51	257.128	583498.611	6209399.477	3599.802	0.033	-0.055	0.004	3599.806	-0.947	979636.557	-33.151	79.35	-28.773	17.427
27/05/2008	11:17:39	253.805	583599.473	6209399.816	3600.482	0.043	-0.054	0.004	3600.486	-1.627	979637.237	-32.47	78.324	-28.401	17.454
27/05/2008	11:11:48	248.633	583698.027	6209399.151	3601.542	0.053	-0.053	0.004	3601.546	-2.687	979638.297	-31.41	76.728	-27.822	17.497
27/05/2008	11:08:01	241.281	583795.268	6209398.403	3603.287	0.039	-0.052	0.004	3603.291	-4.432	979640.042	-29.665	74.459	-26.999	17.795
27/05/2008	11:00:49	241.09	583898.044	6209399.502	3602.574	0.036	-0.05	0.004	3602.578	-3.719	979639.329	-30.376	74.4	-26.978	17.047
27/05/2008	10:56:30	232.765	584000.833	6209401.152	3604.117	0.041	-0.049	0.004	3604.121	-5.262	979640.872	-28.831	71.831	-26.046	16.954
27/05/2008	10:51:01	227.095	584099.518	6209396.026	3605.104	0.056	-0.047	0.004	3605.108	-6.249	979641.859	-27.847	70.082	-25.412	16.822
27/05/2008	10:44:57	222.141	584197.389	6209401.012	3606.155	0.025	-0.046	0.004	3606.159	-7.3	979642.91	-26.792	68.553	-24.858	16.903
27/05/2008	11:40:10	255.583	583500.472	6209799.303	3600.454	0.043	-0.059	0.005	3600.459	-1.6	979637.21	-32.194	78.873	-28.6	18.079
27/05/2008	12:12:39	259.592	583590.416	6209811.068	3598.544	0.038	-0.062	0.005	3598.549	0.31	979635.3	-34.095	80.11	-29.048	16.967
27/05/2008	12:18:18	247.498	583696.9	6209800.316	3600.764	0.059	-0.062	0.006	3600.77	-1.911	979637.521	-31.882	76.378	-27.695	16.801
27/05/2008	12:24:24	233.066	583801.304	6209801.413	3603.632	0.029	-0.062	0.006	3603.638	-4.779	979640.389	-29.012	71.924	-26.08	16.832

27/05/2008	12:27:41	231.801	583900.308	6209800.506	3603.704	0.026	-0.062	0.006	3603.71	-4.851	979640.461	-28.94	71.534	-25.938	16.655
27/05/2008	12:32:31	227.552	583998.472	6209800.323	3604.713	0.031	-0.062	0.006	3604.719	-5.86	979641.47	-27.93	70.223	-25.463	16.829
27/05/2008	12:38:02	218.611	584098.819	6209802.581	3606.681	0.027	-0.062	0.006	3606.687	-7.828	979643.438	-25.96	67.463	-24.463	17.041
27/05/2008	12:43:04	206.659	584198.67	6209800.947	3609.016	0.024	-0.062	0.006	3609.022	-10.163	979645.773	-23.626	63.775	-23.125	17.024
27/05/2008	13:54:14	248.666	583298.919	6210200.949	3601.387	0.045	-0.053	0.008	3601.395	-2.536	979638.146	-30.955	76.738	-27.826	17.957
27/05/2008	13:48:05	249.964	583399.474	6210203.116	3601.205	0.022	-0.054	0.008	3601.213	-2.354	979637.964	-31.135	77.139	-27.971	18.033
27/05/2008	13:39:59	245.302	583497.82	6210202.88	3601.752	0.025	-0.056	0.007	3601.759	-2.9	979638.51	-30.589	75.7	-27.449	17.663
27/05/2008	13:33:27	245.684	583600.485	6210199.527	3600.798	0.032	-0.057	0.007	3600.805	-1.946	979637.556	-31.544	75.818	-27.492	16.782
27/05/2008	13:24:10	243.073	583695.924	6210198.888	3600.796	0.041	-0.058	0.007	3600.803	-1.944	979637.554	-31.546	75.012	-27.2	16.266
27/05/2008	13:17:02	228.643	583798.053	6210199.475	3603.55	0.034	-0.059	0.007	3603.557	-4.698	979640.308	-28.791	70.559	-25.585	16.183
27/05/2008	13:11:26	218.32	583898.314	6210199.269	3605.705	0.032	-0.06	0.007	3605.712	-6.853	979642.463	-26.636	67.374	-24.43	16.308
27/05/2008	13:06:05	214.314	583992.845	6210199.027	3606.502	0.034	-0.06	0.007	3606.509	-7.65	979643.26	-25.838	66.137	-23.982	16.317
27/05/2008	13:00:34	219.261	584098.243	6210199.587	3605.465	0.025	-0.061	0.006	3605.471	-6.612	979642.222	-26.875	67.664	-24.535	16.254
27/05/2008	12:54:54	221.647	584201.064	6210201.059	3605.434	0.035	-0.061	0.006	3605.44	-6.581	979642.191	-26.904	68.4	-24.802	16.694
27/05/2008	14:25:14	226.071	583199.833	6210601.727	3605.692	0.033	-0.046	0.008	3605.7	-6.841	979642.451	-26.347	69.766	-25.297	18.121
27/05/2008	14:33:50	226.705	583299.041	6210600.659	3605.5	0.022	-0.044	0.009	3605.509	-6.65	979642.26	-26.538	69.961	-25.368	18.055
27/05/2008	14:45:11	226.054	583399.005	6210598.412	3605.376	0.034	-0.041	0.009	3605.385	-6.526	979642.136	-26.663	69.76	-25.295	17.802
27/05/2008	14:51:27	221.335	583503.908	6210597.212	3605.843	0.036	-0.04	0.009	3605.852	-6.993	979642.603	-26.197	68.304	-24.767	17.34
27/05/2008	15:00:32	222.606	583599.853	6210632.217	3605.225	0.022	-0.037	0.009	3605.234	-6.375	979641.985	-26.787	68.696	-24.91	16.999
27/05/2008	15:07:22	228.292	583697.902	6210575.397	3604.054	0.054	-0.035	0.009	3604.063	-5.204	979640.814	-28.001	70.451	-25.546	16.904
27/05/2008	15:12:35	233.22	583798.923	6210598.186	3603.068	0.026	-0.034	0.009	3603.077	-4.218	979639.828	-28.969	71.972	-26.097	16.906
27/05/2008	15:22:49	242.321	583895.692	6210598.993	3601.282	0.023	-0.031	0.01	3601.292	-2.433	979638.043	-30.753	74.78	-27.116	16.912
27/05/2008	15:28:25	252.948	583997.722	6210600.429	3599.126	0.068	-0.03	0.01	3599.136	-0.277	979635.887	-32.907	78.06	-28.305	16.848
27/05/2008	15:47:50	258.275	584098.322	6210599.354	3597.98	0.092	-0.024	0.01	3597.99	0.869	979634.741	-34.053	79.704	-28.901	16.75
27/05/2008	15:54:12	260.758	584200.897	6210601.291	3597.295	0.063	-0.023	0.01	3597.305	1.554	979634.056	-34.736	80.47	-29.179	16.555
28/05/2008	7:55:43	263.539	583053.031	6209048.513	3599.106	0.041	0.045	0	3599.106	0	979635.61	-34.367	81.328	-29.49	17.472
28/05/2008	8:01:44	263.539	583053.031	6209048.513	3599.106	0.031	0.043	0	3599.106	0	979635.61	-34.367	81.328	-29.49	17.472
28/05/2008	16:13:37	263.539	583053.031	6209048.513	3599.131	0.034	-0.021	-0.025	3599.106	0	979635.61	-34.367	81.328	-29.49	17.472
28/05/2008	16:16:20	263.539	583053.031	6209048.513	3599.131	0.03	-0.02	0	3599.131	0	979635.61	-34.367	81.328	-29.49	17.472
28/05/2008	16:05:18	255.558	583500.411	6209799.245	3600.719	0.029	-0.024	-0.025	3600.694	-1.588	979637.198	-32.206	78.865	-28.597	18.062
28/05/2008	9:23:30	260.759	584201.413	6210601.305	3597.564	0.031	0.005	-0.004	3597.56	1.546	979634.064	-34.728	80.47	-29.179	16.563
28/05/2008	11:23:37	227.335	583299.173	6211000.539	3605.237	0.023	-0.048	-0.01	3605.227	-6.121	979641.731	-26.764	70.156	-25.439	17.953
28/05/2008	11:17:23	230.855	583396.348	6210999.984	3603.849	0.023	-0.045	-0.01	3603.839	-4.733	979640.343	-28.152	71.242	-25.833	17.257
28/05/2008	11:11:15	234.325	583497.977	6211001.14	3602.735	0.02	-0.043	-0.01	3602.725	-3.619	979639.229	-29.264	72.313	-26.221	16.828
28/05/2008	11:00:23	234.099	583596.298	6211000.08	3603.021	0.045	-0.039	-0.009	3603.012	-3.906	979639.516	-28.978	72.243	-26.196	17.07
28/05/2008	10:55:48	235.136	583696.47	6210998.492	3602.662	0.027	-0.037	-0.009	3602.653	-3.547	979639.157	-29.337	72.563	-26.312	16.914
28/05/2008	10:50:43	239.362	583798.637	6210998.742	3602.207	0.037	-0.035	-0.009	3602.198	-3.092	979638.702	-29.791	73.867	-26.785	17.291
28/05/2008	10:45:45	241.808	583897.555	6211000.313	3601.961	0.035	-0.033	-0.008	3601.953	-2.847	979638.457	-30.034	74.622	-27.058	17.529

28/05/2008	10:39:57	241.406	583993.547	6211003	3601.855	0.028	-0.031	-0.008	3601.847	-2.741	979638.351	-30.138	74.498	-27.013	17.347
28/05/2008	10:33:17	239.605	584099.519	6210998.481	3602.25	0.033	-0.028	-0.008	3602.242	-3.136	979638.746	-29.745	73.942	-26.812	17.385
28/05/2008	10:28:27	236.635	584198.635	6211000.23	3602.918	0.03	-0.025	-0.007	3602.911	-3.805	979639.415	-29.075	73.026	-26.479	17.472
28/05/2008	11:44:32	219.342	583498.776	6211400.513	3606.741	0.043	-0.054	-0.011	3606.73	-7.624	979643.234	-24.957	67.689	-24.544	18.188
28/05/2008	11:52:41	208.529	583595.331	6211403.985	3609.039	0.025	-0.056	-0.012	3609.027	-9.921	979645.531	-22.656	64.352	-23.334	18.361
28/05/2008	12:01:41	214.488	583698.104	6211399.496	3607.546	0.038	-0.059	-0.012	3607.534	-8.428	979644.038	-24.152	66.191	-24.001	18.038
28/05/2008	12:08:28	221.998	583798.042	6211401.176	3605.857	0.041	-0.06	-0.013	3605.844	-6.738	979642.348	-25.84	68.509	-24.842	17.827
28/05/2008	12:13:18	219.537	583900.452	6211402.314	3606.548	0.035	-0.061	-0.013	3606.535	-7.429	979643.039	-25.148	67.749	-24.566	18.035
28/05/2008	12:20:24	213.617	584000.006	6211396.185	3607.648	0.044	-0.062	-0.013	3607.635	-8.529	979644.139	-24.052	65.922	-23.904	17.967
28/05/2008	12:43:01	210.771	584114.942	6211437.645	3608.163	0.032	-0.065	-0.014	3608.149	-9.043	979644.653	-23.505	65.044	-23.585	17.954
28/05/2008	12:53:19	221.066	584209.754	6211384.015	3606.066	0.035	-0.066	-0.015	3606.051	-6.945	979642.555	-25.643	68.221	-24.737	17.841
28/05/2008	15:17:34	159.02	580199.991	6211797.373	3618.155	0.021	-0.042	-0.022	3618.133	-19.027	979654.637	-13.275	49.074	-17.794	18.005
28/05/2008	15:09:32	158.56	580304.032	6211799.263	3618.47	0.023	-0.045	-0.022	3618.448	-19.342	979654.952	-12.958	48.932	-17.743	18.231
28/05/2008	15:06:06	159.125	580397.731	6211798.963	3618.687	0.038	-0.046	-0.022	3618.665	-19.559	979655.169	-12.74	49.106	-17.806	18.56
28/05/2008	14:59:02	159.96	580501.545	6211800.214	3619.096	0.035	-0.048	-0.021	3619.075	-19.969	979655.579	-12.329	49.364	-17.899	19.136
28/05/2008	14:55:01	162.483	580595.7	6211800.159	3618.692	0.034	-0.049	-0.021	3618.671	-19.565	979655.175	-12.732	50.142	-18.182	19.228
28/05/2008	14:50:15	164.936	580697.094	6211806.02	3618.292	0.044	-0.05	-0.021	3618.271	-19.165	979654.775	-13.127	50.899	-18.456	19.316
28/05/2008	14:46:03	166.164	580801.557	6211785.203	3618.174	0.026	-0.052	-0.021	3618.153	-19.047	979654.657	-13.26	51.278	-18.594	19.424
28/05/2008	14:39:56	165.548	580901.891	6211804.536	3618.288	0.043	-0.053	-0.02	3618.268	-19.162	979654.772	-13.13	51.088	-18.525	19.434
28/05/2008	14:34:41	164.867	580998.177	6211798.021	3618.478	0.029	-0.055	-0.02	3618.458	-19.352	979654.962	-12.944	50.878	-18.449	19.486
28/05/2008	14:30:45	165.724	581099.514	6211798.543	3618.4	0.034	-0.056	-0.02	3618.38	-19.274	979654.884	-13.021	51.142	-18.544	19.577
28/05/2008	14:24:59	165.871	581195.395	6211793.701	3618.59	0.036	-0.057	-0.019	3618.571	-19.465	979655.075	-12.833	51.188	-18.561	19.794
28/05/2008	14:21:16	168.003	581303.216	6211801.072	3617.862	0.029	-0.058	-0.019	3617.843	-18.737	979654.347	-13.555	51.846	-18.799	19.492
28/05/2008	14:18:00	171.595	581401.525	6211799.973	3617.112	0.032	-0.059	-0.019	3617.093	-17.987	979653.597	-14.305	52.954	-19.201	19.448
28/05/2008	14:14:11	177.03	581500.776	6211800.523	3615.615	0.023	-0.059	-0.019	3615.596	-16.49	979652.1	-15.801	54.631	-19.81	19.021
28/05/2008	14:10:15	184.52	581598.897	6211799.09	3613.703	0.046	-0.06	-0.019	3613.684	-14.578	979650.188	-17.713	56.943	-20.648	18.582
28/05/2008	14:06:11	187.657	581701.068	6211798.004	3613.288	0.03	-0.061	-0.019	3613.269	-14.163	979649.773	-18.128	57.911	-20.999	18.784
28/05/2008	14:03:01	188.982	581796.673	6211801.679	3612.984	0.021	-0.061	-0.018	3612.966	-13.86	979649.47	-18.428	58.32	-21.147	18.745
28/05/2008	13:59:40	187.212	581896.439	6211799.444	3613.51	0.041	-0.062	-0.018	3613.492	-14.386	979649.996	-17.903	57.774	-20.949	18.921
28/05/2008	13:54:13	179.765	581997.11	6211800.863	3615.311	0.041	-0.063	-0.018	3615.293	-16.187	979651.797	-16.1	55.475	-20.116	19.26
28/05/2008	13:50:51	174.611	582096.231	6211798.234	3616.342	0.029	-0.063	-0.018	3616.324	-17.218	979652.828	-15.071	53.885	-19.539	19.276
28/05/2008	13:44:48	170.25	582202.136	6211798.773	3617.306	0.043	-0.064	-0.017	3617.289	-18.183	979653.793	-14.105	52.539	-19.051	19.384
28/05/2008	13:15:13	170.334	582298.357	6211800.262	3617.341	0.032	-0.066	-0.016	3617.325	-18.219	979653.829	-14.067	52.565	-19.06	19.438
28/05/2008	13:09:20	177.783	582399.446	6211800.724	3615.682	0.028	-0.066	-0.016	3615.666	-16.56	979652.17	-15.725	54.864	-19.894	19.245
29/05/2008	7:41:48	263.539	583053.031	6209048.513	3599.384	0.02	0.048	0	3599.384	0	979635.61	-34.367	81.328	-29.49	17.472
29/05/2008	7:47:34	263.539	583053.031	6209048.513	3599.384	0.023	0.047	0	3599.384	0	979635.61	-34.367	81.328	-29.49	17.472
29/05/2008	15:13:21	263.539	583053.031	6209048.513	3599.367	0.022	-0.056	0.017	3599.384	0	979635.61	-34.367	81.328	-29.49	17.472
29/05/2008	15:16:34	263.539	583053.031	6209048.513	3599.367	0.027	-0.055	0	3599.367	0	979635.61	-34.367	81.328	-29.49	17.472

29/05/2008	15:04:16	233.425	583368.492	6208997.805	3605.98	0.019	-0.059	0.017	3605.997	-6.613	979642.223	-27.79	72.035	-26.12	18.125
29/05/2008	14:07:50	139.325	580195.264	6211019.948	3623.535	0.024	-0.07	0.015	3623.55	-24.166	979659.776	-8.725	42.996	-15.59	18.68
29/05/2008	14:15:12	141.738	580299.097	6211000.268	3623.183	0.03	-0.07	0.015	3623.198	-23.814	979659.424	-9.091	43.74	-15.86	18.789
29/05/2008	14:19:53	145.271	580401.003	6210999.988	3622.714	0.018	-0.069	0.015	3622.729	-23.345	979658.955	-9.56	44.831	-16.256	19.015
29/05/2008	14:24:04	148.252	580499.576	6211000.829	3622.331	0.025	-0.068	0.015	3622.346	-22.962	979658.572	-9.942	45.751	-16.589	19.22
29/05/2008	14:28:05	152.395	580599.322	6211000.112	3621.933	0.016	-0.068	0.015	3621.948	-22.564	979658.174	-10.34	47.029	-17.053	19.637
29/05/2008	14:32:19	155.943	580700.538	6210999.98	3621.391	0.024	-0.067	0.015	3621.406	-22.022	979657.632	-10.881	48.124	-17.45	19.793
29/05/2008	13:57:53	151.411	580201.923	6211399.203	3620.746	0.036	-0.071	0.014	3620.76	-21.376	979656.986	-11.227	46.725	-16.943	18.555
29/05/2008	13:53:33	150.647	580300.792	6211397.799	3621.102	0.019	-0.071	0.014	3621.116	-21.732	979657.342	-10.872	46.49	-16.857	18.76
29/05/2008	13:50:09	148.354	580397.43	6211402.661	3621.66	0.02	-0.071	0.014	3621.674	-22.29	979657.9	-10.31	45.782	-16.601	18.872
29/05/2008	13:45:56	148.091	580497.547	6211400.182	3622.063	0.023	-0.072	0.014	3622.077	-22.693	979658.303	-9.908	45.701	-16.571	19.222
29/05/2008	13:39:32	149.628	580591.14	6211396.892	3621.843	0.031	-0.072	0.013	3621.856	-22.472	979658.082	-10.131	46.175	-16.743	19.301
29/05/2008	13:32:53	154.476	580696.717	6211400.892	3620.912	0.027	-0.071	0.013	3620.925	-21.541	979657.151	-11.058	47.671	-17.286	19.328
29/05/2008	13:28:21	157.789	580799.489	6211399.512	3620.363	0.024	-0.071	0.013	3620.376	-20.992	979656.602	-11.608	48.694	-17.657	19.43
29/05/2008	13:25:09	160.649	580900.928	6211400.402	3619.485	0.015	-0.071	0.013	3619.498	-20.114	979655.724	-12.484	49.576	-17.977	19.116
29/05/2008	13:21:10	164.196	581000.217	6211399.67	3618.745	0.022	-0.071	0.013	3618.758	-19.374	979654.984	-13.224	50.671	-18.373	19.074
29/05/2008	13:15:40	168.975	581100.574	6211398.574	3617.882	0.02	-0.07	0.013	3617.895	-18.511	979654.121	-14.087	52.146	-18.908	19.15
29/05/2008	13:12:25	175.03	581198.365	6211398.264	3616.782	0.023	-0.07	0.012	3616.794	-17.41	979653.02	-15.188	54.014	-19.586	19.241
29/05/2008	13:08:54	180.645	581299.967	6211400.169	3615.591	0.02	-0.069	0.012	3615.603	-16.219	979651.829	-16.377	55.747	-20.214	19.156
29/05/2008	13:03:52	185.466	581400.648	6211398.475	3614.234	0.022	-0.069	0.012	3614.246	-14.862	979650.472	-17.734	57.235	-20.754	18.747
29/05/2008	13:00:34	186.16	581501.023	6211400.433	3614.376	0.021	-0.068	0.012	3614.388	-15.004	979650.614	-17.59	57.449	-20.831	19.028
29/05/2008	12:52:51	187.752	581603.358	6211400.859	3613.924	0.019	-0.067	0.012	3613.936	-14.552	979650.162	-18.041	57.94	-21.009	18.89
29/05/2008	12:49:28	191.743	581699.986	6211400.504	3612.903	0.034	-0.066	0.012	3612.915	-13.531	979649.141	-19.062	59.172	-21.456	18.654
29/05/2008	12:46:02	190.049	581801.447	6211398.952	3613.282	0.023	-0.065	0.011	3613.293	-13.909	979649.519	-18.684	58.649	-21.266	18.699
29/05/2008	12:42:26	193.956	581898.686	6211399.061	3612.613	0.024	-0.064	0.011	3612.624	-13.24	979648.85	-19.353	59.855	-21.704	18.799
29/05/2008	12:38:59	193.717	582000.085	6211400.26	3612.335	0.026	-0.064	0.011	3612.346	-12.962	979648.572	-19.629	59.781	-21.677	18.475
29/05/2008	12:35:40	190.787	582095.475	6211399.627	3612.909	0.025	-0.063	0.011	3612.92	-13.536	979649.146	-19.055	58.877	-21.349	18.473
29/05/2008	12:31:38	182.104	582197.268	6211399.091	3615.01	0.028	-0.062	0.011	3615.021	-15.637	979651.247	-16.954	56.197	-20.377	18.866
29/05/2008	12:26:37	177.954	582299.35	6211400.587	3615.549	0.024	-0.06	0.011	3615.56	-16.176	979651.786	-16.413	54.917	-19.913	18.591
29/05/2008	12:22:44	179.513	582399.491	6211399.473	3615.125	0.014	-0.059	0.01	3615.135	-15.751	979651.361	-16.838	55.398	-20.087	18.472
29/05/2008	12:17:48	182.498	582509.816	6211400.107	3615.1	0.023	-0.058	0.01	3615.11	-15.726	979651.336	-16.862	56.319	-20.421	19.036
29/05/2008	12:13:45	187.484	582600.637	6211402.358	3614.171	0.039	-0.057	0.01	3614.181	-14.797	979650.407	-17.788	57.858	-20.979	19.09
29/05/2008	12:09:12	192.781	582699.821	6211400.588	3612.992	0.022	-0.055	0.01	3613.002	-13.618	979649.228	-18.968	59.492	-21.572	18.952
29/05/2008	12:04:14	200.124	582797.675	6211398.58	3611.287	0.017	-0.053	0.01	3611.297	-11.913	979647.523	-20.674	61.758	-22.394	18.691
29/05/2008	12:00:26	206.769	582897.835	6211399.795	3609.745	0.026	-0.052	0.01	3609.755	-10.371	979645.981	-22.214	63.809	-23.137	18.457
29/05/2008	11:48:51	211.512	583000.303	6211399.281	3608.835	0.021	-0.048	0.009	3608.844	-9.46	979645.07	-23.125	65.273	-23.668	18.479
29/05/2008	11:45:33	208.961	583096.575	6211399.777	3609.484	0.025	-0.046	0.009	3609.493	-10.109	979645.719	-22.475	64.485	-23.383	18.628
29/05/2008	11:38:30	206.309	583192.416	6211401.729	3610.014	0.036	-0.043	0.009	3610.023	-10.639	979646.249	-21.943	63.667	-23.086	18.638

29/05/2008	11:32:18	211.944	583297.846	6211400.946	3608.772	0.019	-0.041	0.009	3608.781	-9.397	979645.007	-23.185	65.406	-23.716	18.505
29/05/2008	11:28:52	220.203	583399.318	6211399.776	3607.008	0.019	-0.039	0.008	3607.016	-7.632	979643.242	-24.95	67.955	-24.641	18.364
29/05/2008	8:41:05	159.111	580397.808	6211798.953	3618.95	0.025	0.034	0.002	3618.952	-19.568	979655.178	-12.731	49.102	-17.804	18.566
29/05/2008	8:54:04	163.197	580200.492	6212200.569	3617.317	0.025	0.03	0.003	3617.32	-17.936	979653.546	-14.06	50.363	-18.262	18.041
29/05/2008	8:58:03	160.754	580299.134	6212201.782	3617.803	0.019	0.028	0.003	3617.806	-18.422	979654.032	-13.573	49.609	-17.988	18.048
29/05/2008	9:01:58	157.346	580399.776	6212201.733	3618.752	0.026	0.027	0.003	3618.755	-19.371	979654.981	-12.623	48.557	-17.607	18.327
29/05/2008	9:05:14	156.257	580499.16	6212200.82	3619.457	0.021	0.026	0.003	3619.46	-20.076	979655.686	-11.918	48.221	-17.485	18.818
29/05/2008	9:08:32	157.581	580599.748	6212202.296	3619.825	0.027	0.025	0.003	3619.828	-20.444	979656.054	-11.548	48.629	-17.633	19.448
29/05/2008	9:12:29	163.572	580702.804	6212201.459	3618.649	0.03	0.023	0.003	3618.652	-19.268	979654.878	-12.724	50.478	-18.304	19.45
29/05/2008	9:16:02	166.682	580798.223	6212201.741	3617.965	0.02	0.021	0.003	3617.968	-18.584	979654.194	-13.407	51.438	-18.652	19.379
29/05/2008	9:21:45	166.205	580899.128	6212199.817	3618.012	0.032	0.019	0.004	3618.016	-18.632	979654.242	-13.36	51.291	-18.598	19.332
29/05/2008	9:27:59	162.901	581000.055	6212201.144	3618.891	0.022	0.016	0.004	3618.895	-19.511	979655.121	-12.479	50.271	-18.229	19.563
29/05/2008	9:33:24	164.365	581100.614	6212200.447	3618.506	0.031	0.014	0.004	3618.51	-19.126	979654.736	-12.864	50.723	-18.392	19.466
29/05/2008	9:36:52	171.388	581199.727	6212198.963	3616.957	0.024	0.012	0.004	3616.961	-17.577	979653.187	-14.414	52.89	-19.178	19.298
29/05/2008	9:40:20	177.474	581297.863	6212199.351	3615.384	0.02	0.011	0.004	3615.388	-16.004	979651.614	-15.986	54.768	-19.859	18.923
29/05/2008	9:44:26	180.729	581398.628	6212200.167	3614.454	0.021	0.009	0.004	3614.458	-15.074	979650.684	-16.915	55.773	-20.224	18.635
29/05/2008	9:53:21	183.965	581499.793	6212198.883	3613.68	0.016	0.005	0.005	3613.685	-14.301	979649.911	-17.688	56.772	-20.586	18.498
29/05/2008	9:57:07	187.162	581597.708	6212200.262	3613.071	0.02	0.003	0.005	3613.076	-13.692	979649.302	-18.295	57.758	-20.943	18.52
29/05/2008	10:00:58	188.939	581700.413	6212200.56	3612.834	0.022	0.001	0.005	3612.839	-13.455	979649.065	-18.531	58.307	-21.142	18.633
29/05/2008	10:04:40	187.657	581797.004	6212200.934	3613.131	0.031	0	0.005	3613.136	-13.752	979649.362	-18.234	57.911	-20.999	18.679
29/05/2008	10:08:34	183.942	581899.453	6212201.237	3613.838	0.037	-0.001	0.005	3613.843	-14.459	979650.069	-17.526	56.765	-20.583	18.656
29/05/2008	10:12:20	177.738	581998.665	6212200.937	3615.211	0.022	-0.003	0.006	3615.217	-15.833	979651.443	-16.151	54.85	-19.889	18.81
29/05/2008	10:18:25	168.996	582097.782	6212199.45	3617.387	0.023	-0.006	0.006	3617.393	-18.009	979653.619	-13.976	52.152	-18.911	19.266
29/05/2008	10:45:33	162.328	582194.441	6212202.434	3618.923	0.014	-0.019	0.007	3618.93	-19.546	979655.156	-12.436	50.094	-18.164	19.494
29/05/2008	10:51:44	161.1	582284.529	6212192.913	3619.208	0.028	-0.022	0.007	3619.215	-19.831	979655.441	-12.157	49.715	-18.027	19.531
29/05/2008	11:13:04	166.172	582399.094	6212198.894	3618.326	0.022	-0.032	0.008	3618.334	-18.95	979654.56	-13.033	51.281	-18.595	19.653
30/05/2008	7:32:42	263.539	583053.031	6209048.513	3599.617	0.029	0.03	0	3599.617	0	979635.61	-34.367	81.328	-29.49	17.472
30/05/2008	7:35:28	263.539	583053.031	6209048.513	3599.617	0.021	0.031	0	3599.617	0	979635.61	-34.367	81.328	-29.49	17.472
30/05/2008	16:02:20	263.539	583053.031	6209048.513	3599.605	0.037	-0.052	0.012	3599.617	0	979635.61	-34.367	81.328	-29.49	17.472
30/05/2008	16:05:10	263.539	583053.031	6209048.513	3599.605	0.03	-0.05	0	3599.605	0	979635.61	-34.367	81.328	-29.49	17.472
30/05/2008	15:35:39	201.193	582603.042	6210194.348	3612.54	0.027	-0.063	0.011	3612.551	-12.934	979648.544	-20.567	62.088	-22.513	19.008
30/05/2008	15:02:09	209.035	582698.845	6210198.917	3610.777	0.028	-0.073	0.011	3610.788	-11.171	979646.781	-22.326	64.508	-23.391	18.791
30/05/2008	14:55:37	215.746	582794.5	6210197.595	3609.367	0.039	-0.074	0.01	3609.377	-9.76	979645.37	-23.738	66.579	-24.142	18.7
30/05/2008	14:49:32	221.329	582900.458	6210199.354	3608.028	0.026	-0.075	0.01	3608.038	-8.421	979644.031	-25.074	68.302	-24.767	18.461
30/05/2008	14:46:04	232.271	582995.772	6210199.133	3605.493	0.03	-0.076	0.01	3605.503	-5.886	979641.496	-27.609	71.679	-25.991	18.079
30/05/2008	14:42:31	244.026	583098.239	6210199.58	3603.013	0.021	-0.076	0.01	3603.023	-3.406	979639.016	-30.088	75.306	-27.306	17.912
30/05/2008	14:35:52	244.342	583197.87	6210201.186	3603.024	0.029	-0.077	0.01	3603.034	-3.417	979639.027	-30.075	75.404	-27.342	17.987
30/05/2008	15:52:21	245.724	583600.468	6210199.605	3601.549	0.025	-0.057	0.012	3601.561	-1.944	979637.554	-31.546	75.83	-27.496	16.788

30/05/2008	11:26:49	139.785	580199.139	6210600.27	3623.944	0.048	-0.027	0.005	3623.949	-24.332	979659.942	-8.877	43.138	-15.642	18.619
30/05/2008	11:35:15	142.216	580301.851	6210600.97	3623.646	0.025	-0.031	0.006	3623.652	-24.035	979659.645	-9.173	43.888	-15.914	18.801
30/05/2008	11:41:31	146.285	580400.105	6210602.591	3622.982	0.031	-0.034	0.006	3622.988	-23.371	979658.981	-9.835	45.144	-16.369	18.94
30/05/2008	11:46:27	149.954	580502.392	6210599.443	3622.342	0.02	-0.036	0.006	3622.348	-22.731	979658.341	-10.477	46.276	-16.78	19.019
30/05/2008	11:49:38	153.495	580598.796	6210600.032	3621.959	0.032	-0.038	0.006	3621.965	-22.348	979657.958	-10.859	47.369	-17.176	19.334
30/05/2008	11:56:25	157.541	580699.783	6210601.639	3621.649	0.032	-0.041	0.006	3621.655	-22.038	979657.648	-11.167	48.617	-17.629	19.821
30/05/2008	12:00:40	161.936	580798.924	6210600.015	3621.097	0.022	-0.043	0.006	3621.103	-21.486	979657.096	-11.719	49.973	-18.121	20.134
30/05/2008	12:04:48	164.665	580902.583	6210598.777	3620.337	0.023	-0.045	0.006	3620.343	-20.726	979656.336	-12.48	50.816	-18.426	19.91
30/05/2008	12:07:58	169.6	580997.704	6210600.485	3619.011	0.026	-0.046	0.006	3619.017	-19.4	979655.01	-13.804	52.339	-18.978	19.557
30/05/2008	12:11:37	175.172	581099.606	6210598.651	3617.887	0.025	-0.048	0.007	3617.894	-18.277	979653.887	-14.928	54.058	-19.602	19.529
30/05/2008	12:14:55	180.936	581202.363	6210600.15	3616.613	0.016	-0.049	0.007	3616.62	-17.003	979652.613	-16.2	55.837	-20.247	19.39
30/05/2008	12:17:46	185.231	581299.9	6210599.678	3615.757	0.018	-0.051	0.007	3615.764	-16.147	979651.757	-17.055	57.162	-20.727	19.38
30/05/2008	12:21:21	190.832	581400.345	6210599.372	3614.737	0.022	-0.052	0.007	3614.744	-15.127	979650.737	-18.075	58.891	-21.354	19.462
30/05/2008	12:24:38	194.915	581499.068	6210599.294	3613.014	0.023	-0.053	0.007	3613.021	-13.404	979649.014	-19.798	60.151	-21.811	18.542
30/05/2008	12:28:30	196.666	581598.717	6210600.277	3612.535	0.03	-0.055	0.007	3612.542	-12.925	979648.535	-20.275	60.691	-22.007	18.409
30/05/2008	12:39:15	192.131	581697.835	6210599.835	3613.554	0.023	-0.059	0.007	3613.561	-13.944	979649.554	-19.256	59.292	-21.499	18.537
30/05/2008	13:05:13	182.797	581800.791	6210598.949	3615.445	0.036	-0.067	0.008	3615.453	-15.836	979651.446	-17.364	56.411	-20.455	18.593
30/05/2008	13:10:58	175.533	581904.24	6210598.949	3617.159	0.043	-0.069	0.008	3617.167	-17.55	979653.16	-15.649	54.169	-19.642	18.879
30/05/2008	13:19:46	185.057	581999.874	6210600.249	3615.302	0.029	-0.071	0.008	3615.31	-15.693	979651.303	-17.504	57.109	-20.708	18.897
30/05/2008	13:23:38	193.429	582097.62	6210601.187	3613.357	0.028	-0.072	0.008	3613.365	-13.748	979649.358	-19.448	59.692	-21.645	18.6
30/05/2008	13:27:16	201.536	582200.564	6210599.668	3611.736	0.037	-0.073	0.008	3611.744	-12.127	979647.737	-21.069	62.194	-22.552	18.573
30/05/2008	13:31:02	199.018	582298.646	6210603.755	3612.091	0.021	-0.074	0.008	3612.099	-12.482	979648.092	-20.711	61.417	-22.27	18.436
30/05/2008	13:38:30	197.662	582403.559	6210602.556	3612.535	0.029	-0.075	0.009	3612.544	-12.927	979648.537	-20.266	60.998	-22.118	18.614
30/05/2008	13:43:16	204.077	582497.813	6210599.335	3611.218	0.019	-0.076	0.009	3611.227	-11.61	979647.22	-21.585	62.978	-22.836	18.557
30/05/2008	13:47:05	202.743	582604.368	6210604.599	3611.469	0.022	-0.076	0.009	3611.478	-11.861	979647.471	-21.329	62.566	-22.687	18.551
30/05/2008	13:50:45	208.599	582699.384	6210599.371	3610.424	0.027	-0.077	0.009	3610.433	-10.816	979646.426	-22.377	64.374	-23.342	18.654
30/05/2008	13:56:03	220.131	582802.767	6210611.404	3607.992	0.026	-0.077	0.009	3608.001	-8.384	979643.994	-24.8	67.932	-24.633	18.5
30/05/2008	14:03:41	224.838	582899.305	6210599.733	3607.165	0.024	-0.078	0.009	3607.174	-7.557	979643.167	-25.635	69.385	-25.159	18.591
30/05/2008	14:07:30	226.479	582999.552	6210599.994	3606.235	0.034	-0.078	0.009	3606.244	-6.627	979642.237	-26.564	69.891	-25.343	17.985
30/05/2008	14:19:04	218.673	583103.151	6210594.287	3608.134	0.021	-0.078	0.01	3608.144	-8.527	979644.137	-24.667	67.482	-24.469	18.346
30/05/2008	11:09:31	155.899	580700.493	6211000.068	3621.642	0.019	-0.019	0.005	3621.647	-22.03	979657.64	-10.873	48.11	-17.445	19.792
30/05/2008	11:02:36	159.385	580798.076	6211000.077	3620.938	0.029	-0.015	0.005	3620.943	-21.326	979656.936	-11.576	49.186	-17.835	19.775
30/05/2008	10:59:38	163.398	580901.347	6210999.756	3620.093	0.02	-0.014	0.005	3620.098	-20.481	979656.091	-12.421	50.425	-18.284	19.72
30/05/2008	10:55:52	169.772	580997.953	6211000.605	3618.646	0.018	-0.013	0.005	3618.651	-19.034	979654.644	-13.866	52.392	-18.997	19.528
30/05/2008	10:52:46	176.758	581099.884	6210999.468	3617.353	0.02	-0.011	0.005	3617.358	-17.741	979653.351	-15.16	54.548	-19.779	19.609
30/05/2008	10:47:45	180.027	581200.268	6211001.664	3616.871	0.032	-0.009	0.005	3616.876	-17.259	979652.869	-15.639	55.556	-20.145	19.772
30/05/2008	10:41:37	184.907	581300.011	6211000.129	3615.833	0.023	-0.006	0.004	3615.837	-16.22	979651.83	-16.679	57.062	-20.691	19.693
30/05/2008	10:30:27	191.099	581400.498	6211000.479	3613.585	0.03	-0.001	0.004	3613.589	-13.972	979649.582	-18.926	58.973	-21.384	18.664

30/05/2008	10:26:30	197.607	581498.689	6211001.817	3612.189	0.023	0	0.004	3612.193	-12.576	979648.186	-20.32	60.982	-22.112	18.549
30/05/2008	10:22:47	202.126	581596.927	6210997.403	3611.469	0.024	0.001	0.004	3611.473	-11.856	979647.466	-21.043	62.376	-22.618	18.715
30/05/2008	10:19:28	206.168	581698.834	6210997.427	3610.719	0.035	0.003	0.004	3610.723	-11.106	979646.716	-21.792	63.623	-23.07	18.761
30/05/2008	10:15:02	205.854	581794.927	6210998.198	3610.29	0.029	0.005	0.004	3610.294	-10.677	979646.287	-22.22	63.527	-23.035	18.271
30/05/2008	10:11:58	202.33	581897.477	6211000.378	3610.799	0.045	0.006	0.004	3610.803	-11.186	979646.796	-21.709	62.439	-22.641	18.089
30/05/2008	10:08:50	201.015	581999.804	6211000.119	3611.144	0.031	0.007	0.004	3611.148	-11.531	979647.141	-21.363	62.033	-22.494	18.177
30/05/2008	10:05:19	197.093	582096.908	6211001.423	3612.274	0.027	0.008	0.004	3612.278	-12.661	979648.271	-20.232	60.823	-22.055	18.537
30/05/2008	9:59:15	193.164	582197.914	6211002.096	3613.083	0.022	0.011	0.003	3613.086	-13.469	979649.079	-19.422	59.61	-21.615	18.573
30/05/2008	9:55:58	195.929	582296.56	6210998.66	3612.287	0.018	0.012	0.003	3612.29	-12.673	979648.283	-20.22	60.464	-21.924	18.319
30/05/2008	9:51:27	192.63	582399.225	6211002.509	3613.17	0.021	0.014	0.003	3613.173	-13.556	979649.166	-19.334	59.446	-21.555	18.557
30/05/2008	9:47:49	199.334	582497.139	6211001.068	3611.802	0.018	0.015	0.003	3611.805	-12.188	979647.798	-20.702	61.514	-22.305	18.507
30/05/2008	9:44:24	204.537	582597.545	6211000.783	3610.793	0.017	0.016	0.003	3610.796	-11.179	979646.789	-21.711	63.12	-22.888	18.522
30/05/2008	9:39:15	204.781	582697.955	6211000.278	3610.772	0.023	0.018	0.003	3610.775	-11.158	979646.768	-21.731	63.195	-22.915	18.549
30/05/2008	9:33:33	201.133	582799.138	6210998.26	3611.545	0.028	0.019	0.003	3611.548	-11.931	979647.541	-20.959	62.07	-22.507	18.604
30/05/2008	9:27:30	197.972	582899.16	6210999.536	3612.174	0.021	0.021	0.003	3612.177	-12.56	979648.17	-20.329	61.094	-22.153	18.612
30/05/2008	9:21:46	202.712	583001.179	6210995.893	3611.136	0.022	0.023	0.003	3611.139	-11.522	979647.132	-21.369	62.557	-22.683	18.505
30/05/2008	8:37:10	226.848	583203.158	6211003.302	3605.895	0.025	0.031	0.001	3605.896	-6.279	979641.889	-26.605	70.005	-25.384	18.016
30/05/2008	8:28:53	227.335	583299.257	6211000.589	3605.735	0.018	0.032	0.001	3605.736	-6.119	979641.729	-26.766	70.156	-25.439	17.951
31/05/2008	7:38:58	263.539	583053.031	6209048.513	3599.872	0.032	0	0	3599.872	0	979635.61	-34.367	81.328	-29.49	17.472
31/05/2008	7:41:34	263.539	583053.031	6209048.513	3599.872	0.024	0	0	3599.872	0	979635.61	-34.367	81.328	-29.49	17.472
31/05/2008	16:41:03	263.539	583053.031	6209048.513	3599.87	0.026	-0.052	0.002	3599.872	0	979635.61	-34.367	81.328	-29.49	17.472
31/05/2008	16:43:31	263.539	583053.031	6209048.513	3599.87	0.026	-0.051	0	3599.87	0	979635.61	-34.367	81.328	-29.49	17.472
31/05/2008	14:48:52	147.145	580201.166	6209401.035	3622.674	0.077	-0.085	0.002	3622.676	-22.804	979658.414	-11.314	45.409	-16.465	17.629
31/05/2008	14:54:24	149.387	580303.11	6209397.963	3622.427	0.04	-0.085	0.002	3622.429	-22.557	979658.167	-11.563	46.101	-16.716	17.821
31/05/2008	14:59:04	151.114	580399.002	6209399.731	3622.438	0.04	-0.085	0.002	3622.44	-22.568	979658.178	-11.55	46.634	-16.91	18.174
31/05/2008	15:06:37	153.608	580502.685	6209399.182	3621.953	0.061	-0.084	0.002	3621.955	-22.083	979657.693	-12.035	47.403	-17.189	18.18
31/05/2008	15:10:07	156.059	580602.139	6209399.52	3620.853	0.039	-0.084	0.002	3620.855	-20.983	979656.593	-13.134	48.16	-17.463	17.563
31/05/2008	15:17:08	159.2	580699.758	6209400.564	3620.434	0.038	-0.083	0.002	3620.436	-20.564	979656.174	-13.552	49.129	-17.814	17.763
31/05/2008	15:20:12	162.274	580795.84	6209402.03	3620.304	0.052	-0.083	0.002	3620.306	-20.434	979656.044	-13.68	50.078	-18.158	18.24
31/05/2008	15:23:21	165.353	580903.016	6209403.966	3620.121	0.034	-0.082	0.002	3620.123	-20.251	979655.861	-13.861	51.028	-18.503	18.664
31/05/2008	15:26:43	168.272	580996.506	6209399.978	3619.871	0.033	-0.081	0.002	3619.873	-20.001	979655.611	-14.113	51.929	-18.83	18.986
31/05/2008	15:29:46	172.368	581103.532	6209404.361	3619.225	0.041	-0.081	0.002	3619.227	-19.355	979654.965	-14.755	53.193	-19.288	19.15
31/05/2008	15:33:01	176.196	581204.074	6209403.243	3618.444	0.033	-0.08	0.002	3618.446	-18.574	979654.184	-15.536	54.374	-19.716	19.122
31/05/2008	15:36:13	180.389	581298.531	6209400.631	3617.854	0.032	-0.079	0.002	3617.856	-17.984	979653.594	-16.127	55.668	-20.185	19.355
31/05/2008	15:40:39	185.302	581401.056	6209402.939	3616.777	0.017	-0.078	0.002	3616.779	-16.907	979652.517	-17.202	57.184	-20.735	19.247
31/05/2008	15:45:59	190.424	581499.116	6209400.852	3615.418	0.031	-0.076	0.002	3615.42	-15.548	979651.158	-18.562	58.765	-21.308	18.894
31/05/2008	15:49:30	192.926	581599.64	6209401.641	3614.076	0.031	-0.076	0.002	3614.078	-14.206	979649.816	-19.903	59.537	-21.588	18.046
31/05/2008	15:53:07	195.022	581698.367	6209400.05	3613.717	0.024	-0.074	0.002	3613.719	-13.847	979649.457	-20.262	60.184	-21.823	18.099

31/05/2008	15:59:28	201.695	581800.362	6209403.649	3612.575	0.026	-0.072	0.002	3612.577	-12.705	979648.315	-21.401	62.243	-22.57	18.273
31/05/2008	16:03:22	208.224	581900.28	6209398.503	3611.638	0.023	-0.071	0.002	3611.64	-11.768	979647.378	-22.341	64.258	-23.3	18.617
31/05/2008	16:06:34	214.193	581998.5	6209401.835	3610.689	0.031	-0.069	0.002	3610.691	-10.819	979646.429	-23.287	66.1	-23.968	18.845
31/05/2008	16:10:12	219.091	582100.925	6209402.537	3609.852	0.021	-0.068	0.002	3609.854	-9.982	979645.592	-24.123	67.611	-24.516	18.973
31/05/2008	16:14:04	219.019	582198.929	6209401.18	3610.325	0.025	-0.066	0.002	3610.327	-10.455	979646.065	-23.65	67.589	-24.508	19.431
31/05/2008	16:31:03	241.33	583795.309	6209398.504	3604.294	0.02	-0.058	0.002	3604.296	-4.424	979640.034	-29.672	74.474	-27.005	17.797
31/05/2008	12:14:57	145.499	580198.284	6209798.417	3623.229	0.019	-0.04	0.001	3623.23	-23.358	979658.968	-10.459	44.901	-16.281	18.161
31/05/2008	12:20:05	147.145	580300.139	6209797.854	3623.237	0.028	-0.042	0.001	3623.238	-23.366	979658.976	-10.451	45.409	-16.465	18.493
31/05/2008	12:28:41	148.694	580403.019	6209800.908	3623.28	0.027	-0.046	0.001	3623.281	-23.409	979659.019	-10.405	45.887	-16.639	18.844
31/05/2008	12:32:31	150.536	580502.037	6209802.161	3622.792	0.033	-0.048	0.001	3622.793	-22.921	979658.531	-10.891	46.455	-16.845	18.719
31/05/2008	12:35:04	151.42	580599.688	6209801.118	3622.539	0.021	-0.049	0.001	3622.54	-22.668	979658.278	-11.144	46.728	-16.944	18.64
31/05/2008	12:37:59	151.912	580699.848	6209798.795	3622.697	0.034	-0.05	0.001	3622.698	-22.826	979658.436	-10.987	46.88	-16.999	18.894
31/05/2008	12:40:46	152.996	580801.782	6209799.465	3622.917	0.022	-0.052	0.001	3622.918	-23.046	979658.656	-10.766	47.215	-17.12	19.328
31/05/2008	12:43:17	154.993	580901.029	6209800.417	3622.594	0.033	-0.053	0.001	3622.595	-22.723	979658.333	-11.088	47.831	-17.344	19.399
31/05/2008	12:46:29	156.926	581001.666	6209799.918	3622.224	0.031	-0.054	0.001	3622.225	-22.353	979657.963	-11.458	48.427	-17.56	19.41
31/05/2008	12:49:15	158.645	581099.362	6209800.235	3621.911	0.02	-0.055	0.001	3621.912	-22.04	979657.65	-11.77	48.958	-17.752	19.436
31/05/2008	12:52:16	162.667	581199.723	6209801.247	3620.889	0.017	-0.057	0.001	3620.89	-21.018	979656.628	-12.79	50.199	-18.202	19.206
31/05/2008	12:55:31	166.951	581299.827	6209800.474	3620.118	0.024	-0.058	0.001	3620.119	-20.247	979655.857	-13.561	51.521	-18.682	19.278
31/05/2008	12:58:55	166.032	581399.924	6209799.852	3620.976	0.027	-0.06	0.001	3620.977	-21.105	979656.715	-12.703	51.237	-18.579	19.955
31/05/2008	13:02:42	170.302	581499.776	6209801.629	3620.129	0.023	-0.061	0.001	3620.13	-20.258	979655.868	-13.548	52.555	-19.057	19.951
31/05/2008	13:06:23	175.716	581598.717	6209803.227	3618.269	0.039	-0.062	0.001	3618.27	-18.398	979654.008	-15.406	54.226	-19.663	19.157
31/05/2008	13:10:52	179.374	581694.685	6209797.638	3617.482	0.04	-0.064	0.001	3617.483	-17.611	979653.221	-16.197	55.355	-20.072	19.086
31/05/2008	13:14:34	179.074	581799.585	6209800.071	3617.685	0.031	-0.065	0.001	3617.686	-17.814	979653.424	-15.991	55.262	-20.038	19.233
31/05/2008	13:18:32	185.5	581899.907	6209798.298	3616.168	0.022	-0.067	0.001	3616.169	-16.297	979651.907	-17.509	57.245	-20.757	18.979
31/05/2008	13:22:03	188.16	581999.827	6209800.496	3615.937	0.026	-0.068	0.001	3615.938	-16.066	979651.676	-17.738	58.066	-21.055	19.274
31/05/2008	13:26:00	188.59	582099.986	6209797.534	3615.95	0.026	-0.07	0.001	3615.951	-16.079	979651.689	-17.726	58.199	-21.103	19.369
31/05/2008	13:31:11	191.495	582198.457	6209800.596	3615.318	0.022	-0.072	0.001	3615.319	-15.447	979651.057	-18.355	59.095	-21.428	19.312
31/05/2008	13:35:39	201.562	582300.998	6209801.154	3613.231	0.025	-0.073	0.001	3613.232	-13.36	979648.97	-20.441	62.202	-22.555	19.206
31/05/2008	13:40:00	209.006	582399.214	6209801.676	3611.511	0.028	-0.074	0.001	3611.512	-11.64	979647.25	-22.16	64.499	-23.388	18.951
31/05/2008	13:54:09	201.55	582498.621	6209799.954	3612.912	0.032	-0.078	0.001	3612.913	-13.041	979648.651	-20.76	62.198	-22.553	18.885
31/05/2008	14:04:52	197.707	582600.26	6209787.075	3613.908	0.022	-0.081	0.001	3613.909	-14.037	979649.647	-19.773	61.012	-22.123	19.116
31/05/2008	11:44:10	142.092	580200.051	6210198.915	3624.01	0.032	-0.026	0.001	3624.011	-24.139	979659.749	-9.375	43.85	-15.9	18.575
31/05/2008	11:40:26	144.565	580299.135	6210198.317	3623.628	0.031	-0.024	0.001	3623.629	-23.757	979659.367	-9.756	44.613	-16.177	18.68
31/05/2008	11:35:59	146.776	580398.591	6210197.696	3623.069	0.032	-0.022	0.001	3623.07	-23.198	979658.808	-10.315	45.295	-16.424	18.556
31/05/2008	11:23:41	147.991	580501.508	6210199.931	3622.804	0.032	-0.017	0.001	3622.805	-22.933	979658.543	-10.578	45.67	-16.56	18.532
31/05/2008	11:20:27	150.403	580599.808	6210200.305	3622.647	0.038	-0.015	0.001	3622.648	-22.776	979658.386	-10.734	46.414	-16.83	18.851
31/05/2008	11:17:48	153.133	580700.999	6210199.893	3622.602	0.026	-0.014	0.001	3622.603	-22.731	979658.341	-10.778	47.257	-17.136	19.343
31/05/2008	11:15:12	154.876	580799.857	6210202.055	3622.567	0.025	-0.013	0.001	3622.568	-22.696	979658.306	-10.811	47.795	-17.331	19.653

31/05/2008	11:11:28	158.776	580899.823	6210199.413	3621.488	0.033	-0.011	0.001	3621.489	-21.617	979657.227	-11.891	48.998	-17.767	19.34
31/05/2008	11:08:20	164.29	580999.986	6210197.915	3620.087	0.027	-0.01	0.001	3620.088	-20.216	979655.826	-13.293	50.7	-18.384	19.023
31/05/2008	11:03:48	169.196	581098.848	6210198.413	3619.085	0.026	-0.008	0.001	3619.086	-19.214	979654.824	-14.294	52.214	-18.933	18.987
31/05/2008	10:59:44	173.597	581198.728	6210199.722	3618.59	0.022	-0.007	0.001	3618.591	-18.719	979654.329	-14.787	53.572	-19.425	19.359
31/05/2008	10:55:51	169.173	581299.816	6210200.332	3620.047	0.027	-0.005	0.001	3620.048	-20.176	979655.786	-13.329	52.207	-18.93	19.947
31/05/2008	10:51:58	170.599	581401.651	6210201.663	3619.711	0.029	-0.004	0.001	3619.712	-19.84	979655.45	-13.664	52.647	-19.09	19.893
31/05/2008	10:48:12	166.847	581498.671	6210198.236	3620.229	0.035	-0.003	0.001	3620.23	-20.358	979655.968	-13.148	51.489	-18.67	19.671
31/05/2008	10:20:50	165.982	581601.551	6210199.709	3619.877	0.017	0.005	0.001	3619.878	-20.006	979655.616	-13.498	51.222	-18.573	19.151
31/05/2008	10:01:05	165.938	581699.416	6210199.476	3619.992	0.019	0.009	0.001	3619.993	-20.121	979655.731	-13.382	51.208	-18.568	19.258
31/05/2008	9:50:44	167.543	581799.886	6210203.561	3619.577	0.03	0.011	0	3619.577	-19.705	979655.315	-13.794	51.704	-18.748	19.161
31/05/2008	9:42:15	167.099	581906.934	6210179.865	3619.587	0.028	0.012	0	3619.587	-19.715	979655.325	-13.802	51.567	-18.698	19.067
31/05/2008	9:36:06	169.601	582000.984	6210200.661	3619.097	0.037	0.013	0	3619.097	-19.225	979654.835	-14.275	52.339	-18.978	19.085
31/05/2008	9:32:20	172.585	582097.723	6210201.701	3618.599	0.03	0.013	0	3618.599	-18.727	979654.337	-14.772	53.26	-19.312	19.176
31/05/2008	9:27:03	174.192	582198.74	6210186.055	3618.021	0.024	0.014	0	3618.021	-18.149	979653.759	-15.361	53.756	-19.492	18.903
31/05/2008	9:06:50	177.067	582297.965	6210196.879	3617.588	0.028	0.014	0	3617.588	-17.716	979653.326	-15.785	54.643	-19.814	19.044
31/05/2008	9:01:38	182.373	582400.372	6210200.667	3616.588	0.021	0.014	0	3616.588	-16.716	979652.326	-16.782	56.28	-20.407	19.091
31/05/2008	8:56:38	192.017	582506.773	6210205.098	3614.718	0.027	0.014	0	3614.718	-14.846	979650.456	-18.648	59.256	-21.487	19.122
31/05/2008	8:26:47	244.355	583197.629	6210201.115	3603.299	0.022	0.011	0	3603.299	-3.427	979639.037	-30.065	75.408	-27.343	18
31/05/2008	10:13:38	196.676	581599.581	6210599.713	3612.796	0.028	0.007	0.001	3612.797	-12.925	979648.535	-20.276	60.694	-22.008	18.411
1/06/2008	7:31:44	263.539	583053.031	6209048.513	3600.118	0.018	-0.042	0	3600.118	0	979635.61	-34.367	81.328	-29.49	17.472
1/06/2008	7:35:36	263.539	583053.031	6209048.513	3600.118	0.021	-0.04	0	3600.118	0	979635.61	-34.367	81.328	-29.49	17.472
1/06/2008	16:27:34	263.539	583053.031	6209048.513	3600.118	0.021	-0.081	0	3600.118	0	979635.61	-34.367	81.328	-29.49	17.472
1/06/2008	16:30:10	263.539	583053.031	6209048.513	3600.118	0.019	-0.08	0	3600.118	0	979635.61	-34.367	81.328	-29.49	17.472
1/06/2008	13:28:03	143.783	580198.288	6208600.092	3625.214	0.017	-0.063	0	3625.214	-25.096	979660.706	-9.63	44.371	-16.089	18.653
1/06/2008	13:31:20	146.6	580299.401	6208601.467	3624.851	0.023	-0.065	0	3624.851	-24.733	979660.343	-9.991	45.241	-16.404	18.845
1/06/2008	13:43:19	145.672	580404.568	6208600.342	3625.045	0.02	-0.07	0	3625.045	-24.927	979660.537	-9.797	44.954	-16.301	18.857
1/06/2008	13:51:40	146.198	580500.461	6208600.479	3624.686	0.02	-0.073	0	3624.686	-24.568	979660.178	-10.155	45.117	-16.36	18.602
1/06/2008	13:57:11	147.72	580601.403	6208600.415	3624.671	0.012	-0.075	0	3624.671	-24.553	979660.163	-10.17	45.586	-16.53	18.887
1/06/2008	14:04:09	149.878	580700	6208601.553	3625.148	0.014	-0.078	0	3625.148	-25.03	979660.64	-9.691	46.252	-16.771	19.79
1/06/2008	14:30:00	146.469	580797.271	6208590.716	3626.475	0.024	-0.085	0	3626.475	-26.357	979661.967	-8.372	45.2	-16.39	20.439
1/06/2008	14:33:54	151.522	580892.565	6208603.248	3625.473	0.018	-0.086	0	3625.473	-25.355	979660.965	-9.364	46.76	-16.955	20.441
1/06/2008	15:11:17	152.77	580998.05	6208592.268	3625.199	0.02	-0.092	0	3625.199	-25.081	979660.691	-9.645	47.145	-17.095	20.405
1/06/2008	15:21:54	162.444	581100.311	6208601.334	3622.983	0.017	-0.093	0	3622.983	-22.865	979658.475	-11.854	50.13	-18.177	20.099
1/06/2008	15:27:03	160.679	581200.617	6208601.565	3623.06	0.023	-0.092	0	3623.06	-22.942	979658.552	-11.776	49.586	-17.98	19.83
1/06/2008	15:35:46	161.17	581300.345	6208601.354	3623.112	0.011	-0.092	0	3623.112	-22.994	979658.604	-11.724	49.737	-18.035	19.979
1/06/2008	15:39:29	166.556	581398.508	6208601.194	3621.743	0.021	-0.092	0	3621.743	-21.625	979657.235	-13.092	51.399	-18.638	19.67
1/06/2008	15:44:41	172.35	581502.404	6208590.138	3620.262	0.025	-0.091	0	3620.262	-20.144	979655.754	-14.581	53.187	-19.286	19.321
1/06/2008	15:48:36	176.977	581600.737	6208601.408	3618.786	0.02	-0.091	0	3618.786	-18.668	979654.278	-16.047	54.615	-19.804	18.764

1/06/2008	13:06:57	144.174	580200.207	6208999.346	3624.113	0.016	-0.054	0	3624.113	-23.995	979659.605	-10.428	44.492	-16.133	17.931
1/06/2008	13:02:32	144.758	580302.773	6208999.887	3624.298	0.013	-0.052	0	3624.298	-24.18	979659.79	-10.242	44.672	-16.198	18.232
1/06/2008	12:59:18	145.56	580399.664	6209001.864	3624.297	0.018	-0.051	0	3624.297	-24.179	979659.789	-10.241	44.92	-16.288	18.391
1/06/2008	12:50:45	147.126	580496.61	6209001.855	3623.601	0.018	-0.047	0	3623.601	-23.483	979659.093	-10.936	45.403	-16.463	18.004
1/06/2008	12:46:21	150.083	580598.977	6209001.596	3622.778	0.019	-0.045	0	3622.778	-22.66	979658.27	-11.759	46.316	-16.794	17.763
1/06/2008	12:42:40	154.375	580696.54	6209000.972	3622.221	0.016	-0.043	0	3622.221	-22.103	979657.713	-12.315	47.64	-17.275	18.05
1/06/2008	12:38:44	158.95	580799.548	6208997.284	3622.331	0.02	-0.042	0	3622.331	-22.213	979657.823	-12.208	49.052	-17.786	19.058
1/06/2008	12:34:38	165.295	580899.806	6208999.803	3621.779	0.029	-0.039	0	3621.779	-21.661	979657.271	-12.757	51.01	-18.496	19.757
1/06/2008	12:30:04	171.925	580997.259	6209000.477	3620.492	0.023	-0.038	0	3620.492	-20.374	979655.984	-14.043	53.056	-19.238	19.775
1/06/2008	12:26:26	177.607	581101.145	6208999.756	3619.512	0.018	-0.036	0	3619.512	-19.394	979655.004	-15.023	54.81	-19.874	19.913
1/06/2008	12:21:18	180.463	581199.429	6209001.153	3619.131	0.023	-0.034	0	3619.131	-19.013	979654.623	-15.402	55.691	-20.194	20.095
1/06/2008	12:16:47	183.269	581300.484	6208999.981	3618.662	0.034	-0.032	0	3618.662	-18.544	979654.154	-15.871	56.557	-20.508	20.178
1/06/2008	12:13:13	184.713	581393.911	6208997.343	3618.24	0.029	-0.03	0	3618.24	-18.122	979653.732	-16.295	57.002	-20.669	20.038
1/06/2008	12:09:57	184.194	581498.887	6208997.587	3617.796	0.038	-0.029	0	3617.796	-17.678	979653.288	-16.738	56.842	-20.611	19.493
1/06/2008	12:05:17	184.703	581596.406	6208997.917	3617.231	0.023	-0.027	0	3617.231	-17.113	979652.723	-17.302	56.999	-20.668	19.029
1/06/2008	12:01:00	187.143	581696.545	6208999.96	3616.467	0.031	-0.025	0	3616.467	-16.349	979651.959	-18.064	57.752	-20.941	18.748
1/06/2008	11:49:48	190.764	581790.406	6208999.015	3615.903	0.024	-0.021	0	3615.903	-15.785	979651.395	-18.628	58.87	-21.346	18.896
1/06/2008	11:45:04	197.024	581902.38	6209000.49	3614.67	0.041	-0.019	0	3614.67	-14.552	979650.162	-19.859	60.802	-22.047	18.896
1/06/2008	11:37:33	205.875	581999.401	6208992.262	3613.112	0.04	-0.017	0	3613.112	-12.994	979648.604	-21.422	63.533	-23.037	19.073
1/06/2008	11:27:41	213.266	582098.859	6208999.082	3611.077	0.021	-0.014	0	3611.077	-10.959	979646.569	-23.452	65.814	-23.864	18.498
1/06/2008	11:23:04	222.57	582198.156	6208999.683	3609.635	0.015	-0.012	0	3609.635	-9.517	979645.127	-24.893	68.685	-24.906	18.887
1/06/2008	11:17:19	228.114	582300.652	6209007.138	3608.832	0.018	-0.011	0	3608.832	-8.714	979644.324	-25.689	70.396	-25.526	19.181
1/06/2008	11:13:28	234.369	582397.723	6209000.523	3607.34	0.017	-0.01	0	3607.34	-7.222	979642.832	-27.186	72.326	-26.226	18.915
1/06/2008	11:09:21	240.019	582497.609	6208999.274	3606.011	0.021	-0.009	0	3606.011	-5.893	979641.503	-28.515	74.07	-26.858	18.697
1/06/2008	11:01:33	249.298	582906.931	6209014.587	3603.975	0.023	-0.007	0	3603.975	-3.857	979639.467	-30.537	76.933	-27.896	18.5
1/06/2008	16:16:05	219.108	582100.887	6209402.622	3610.104	0.012	-0.085	0	3610.104	-9.986	979645.596	-24.119	67.617	-24.518	18.98
1/06/2008	8:10:20	219.033	582198.814	6209401.108	3610.583	0.015	-0.027	0	3610.583	-10.465	979646.075	-23.64	67.594	-24.51	19.444
1/06/2008	8:22:35	222.492	582298.298	6209402.887	3609.87	0.016	-0.022	0	3609.87	-9.752	979645.362	-24.351	68.661	-24.897	19.413
1/06/2008	8:29:37	230.487	582401.71	6209399.856	3607.797	0.015	-0.02	0	3607.797	-7.679	979643.289	-26.426	71.128	-25.791	18.911
1/06/2008	8:37:15	224.9	582497.821	6209399.161	3609.062	0.024	-0.017	0	3609.062	-8.944	979644.554	-25.161	69.404	-25.166	19.077
1/06/2008	8:45:35	225.227	582606.77	6209401.282	3608.668	0.017	-0.015	0	3608.668	-8.55	979644.16	-25.552	69.505	-25.203	18.75
1/06/2008	9:10:33	223.85	582704.728	6209411.957	3608.744	0.019	-0.008	0	3608.744	-8.626	979644.236	-25.468	69.08	-25.049	18.564
1/06/2008	9:28:41	225.96	582820.74	6209400.924	3608.288	0.024	-0.004	0	3608.288	-8.17	979643.78	-25.931	69.731	-25.285	18.515
1/06/2008	10:48:45	230.239	582898.914	6209405.346	3607.557	0.018	-0.004	0	3607.557	-7.439	979643.049	-26.658	71.052	-25.764	18.63
2/06/2008	7:45:01	263.539	583053.031	6209048.513	3600.42	0.027	-0.073	0	3600.42	0	979635.61	-34.367	81.328	-29.49	17.472
2/06/2008	7:48:37	263.539	583053.031	6209048.513	3600.42	0.025	-0.072	0	3600.42	0	979635.61	-34.367	81.328	-29.49	17.472
2/06/2008	17:00:29	263.539	583053.031	6209048.513	3600.396	0.028	-0.089	0.024	3600.42	0	979635.61	-34.367	81.328	-29.49	17.472
2/06/2008	17:03:49	263.539	583053.031	6209048.513	3600.396	0.027	-0.088	0	3600.396	0	979635.61	-34.367	81.328	-29.49	17.472

2/06/2008	16:26:05	168.561	581802.168	6207399.447	3620.552	0.024	-0.098	0.023	3620.575	-20.155	979655.765	-15.471	52.018	-18.862	17.685
2/06/2008	16:21:37	171.677	581900.455	6207400.148	3619.933	0.041	-0.098	0.022	3619.955	-19.535	979655.145	-16.089	52.98	-19.211	17.68
2/06/2008	16:17:21	174.727	581996.831	6207400.555	3619.513	0.027	-0.099	0.022	3619.535	-19.115	979654.725	-16.509	53.921	-19.552	17.86
2/06/2008	16:12:45	176.315	582099.369	6207395.718	3619.318	0.028	-0.099	0.022	3619.34	-18.92	979654.53	-16.706	54.411	-19.73	17.975
2/06/2008	16:07:13	179.406	582199.487	6207397.867	3618.617	0.036	-0.099	0.022	3618.639	-18.219	979653.829	-17.405	55.365	-20.075	17.884
2/06/2008	16:03:51	182.373	582298.685	6207401.052	3617.796	0.022	-0.099	0.022	3617.818	-17.398	979653.008	-18.223	56.28	-20.407	17.65
2/06/2008	16:00:45	184.81	582398.826	6207399.594	3617.53	0.03	-0.099	0.021	3617.551	-17.131	979652.741	-18.491	57.032	-20.68	17.862
2/06/2008	13:48:38	149.775	580200.586	6207799.041	3626.595	0.034	-0.062	0.016	3626.611	-26.191	979661.801	-9.142	46.221	-16.76	20.319
2/06/2008	13:56:17	149.41	580287.474	6207803.887	3626.218	0.028	-0.066	0.016	3626.234	-25.814	979661.424	-9.515	46.108	-16.719	19.874
2/06/2008	14:10:55	149.838	580399.955	6207798.747	3625.667	0.036	-0.072	0.017	3625.684	-25.264	979660.874	-10.068	46.24	-16.767	19.405
2/06/2008	14:25:59	153.514	580501.002	6207794.749	3625.07	0.025	-0.078	0.017	3625.087	-24.667	979660.277	-10.667	47.374	-17.178	19.529
2/06/2008	14:29:35	158.11	580601.393	6207801.126	3624.329	0.028	-0.079	0.017	3624.346	-23.926	979659.536	-11.403	48.793	-17.692	19.697
2/06/2008	14:33:16	164.781	580701.496	6207802.106	3623.128	0.033	-0.081	0.018	3623.146	-22.726	979658.336	-12.601	50.851	-18.439	19.811
2/06/2008	14:36:36	173.233	580799.04	6207800.087	3621.29	0.02	-0.082	0.018	3621.308	-20.888	979656.498	-14.44	53.46	-19.385	19.635
2/06/2008	14:40:14	179.247	580901.337	6207799.541	3620.024	0.028	-0.083	0.018	3620.042	-19.622	979655.232	-15.706	55.316	-20.058	19.552
2/06/2008	14:44:21	181.592	581002.984	6207799.866	3619.231	0.026	-0.085	0.018	3619.249	-18.829	979654.439	-16.498	56.039	-20.32	19.221
2/06/2008	14:47:57	179.732	581099.092	6207800.114	3619.013	0.033	-0.086	0.018	3619.031	-18.611	979654.221	-16.715	55.465	-20.112	18.638
2/06/2008	14:53:03	172.633	581202.017	6207799.462	3619.991	0.03	-0.088	0.018	3620.009	-19.589	979655.199	-15.737	53.275	-19.318	18.22
2/06/2008	14:57:19	168.721	581299.876	6207800.453	3620.552	0.026	-0.089	0.019	3620.571	-20.151	979655.761	-15.174	52.067	-18.88	18.014
2/06/2008	15:00:18	167.009	581398.484	6207800.568	3620.688	0.018	-0.09	0.019	3620.707	-20.287	979655.897	-15.037	51.539	-18.688	17.814
2/06/2008	15:03:53	163.526	581499.884	6207800.988	3621.458	0.022	-0.091	0.019	3621.477	-21.057	979656.667	-14.266	50.464	-18.299	17.899
2/06/2008	15:15:02	164.093	581599.5	6207801.723	3621.405	0.026	-0.094	0.019	3621.424	-21.004	979656.614	-14.318	50.639	-18.362	17.959
2/06/2008	15:18:05	166.709	581700.619	6207800.16	3620.834	0.036	-0.094	0.02	3620.854	-20.434	979656.044	-14.888	51.446	-18.655	17.904
2/06/2008	15:22:38	170.209	581800.058	6207799.122	3620.008	0.023	-0.095	0.02	3620.028	-19.608	979655.218	-15.715	52.526	-19.046	17.766
2/06/2008	15:25:23	174.344	581898.389	6207801.323	3618.955	0.035	-0.096	0.02	3618.975	-18.555	979654.165	-16.765	53.803	-19.509	17.528
2/06/2008	15:27:59	179.078	581999.923	6207799.286	3617.743	0.032	-0.096	0.02	3617.763	-17.343	979652.953	-17.978	55.263	-20.039	17.247
2/06/2008	15:30:51	186.596	582100.382	6207799.551	3616.516	0.034	-0.097	0.02	3616.536	-16.116	979651.726	-19.204	57.584	-20.88	17.499
2/06/2008	15:39:08	193.906	582200.15	6207807.244	3615.065	0.042	-0.098	0.02	3615.085	-14.665	979650.275	-20.649	59.839	-21.698	17.493
2/06/2008	15:44:42	196.443	582300.973	6207800.179	3614.64	0.042	-0.099	0.021	3614.661	-14.241	979649.851	-21.077	60.622	-21.982	17.563
2/06/2008	15:50:56	197.454	582399.49	6207802.853	3614.496	0.037	-0.099	0.021	3614.517	-14.097	979649.707	-21.219	60.934	-22.095	17.621
2/06/2008	13:23:50	141.786	580206.197	6208198.53	3627.521	0.044	-0.052	0.015	3627.536	-27.116	979662.726	-7.914	43.755	-15.866	19.975
2/06/2008	13:19:47	147.144	580301.659	6208199.963	3626.278	0.027	-0.05	0.014	3626.292	-25.872	979661.482	-9.156	45.409	-16.465	19.787
2/06/2008	13:16:21	149.827	580399.396	6208200.545	3625.474	0.03	-0.048	0.014	3625.488	-25.068	979660.678	-9.959	46.237	-16.766	19.512
2/06/2008	13:06:30	154.903	580498.556	6208199.029	3624.729	0.026	-0.044	0.014	3624.743	-24.323	979659.933	-10.705	47.803	-17.334	19.765
2/06/2008	13:03:09	159.121	580599.515	6208200.126	3623.901	0.024	-0.043	0.014	3623.915	-23.495	979659.105	-11.532	49.105	-17.806	19.768
2/06/2008	12:59:17	160.234	580701.075	6208200.005	3623.766	0.03	-0.041	0.014	3623.78	-23.36	979658.97	-11.666	49.448	-17.93	19.852
2/06/2008	12:53:48	159.509	580800.081	6208199.489	3624.048	0.048	-0.039	0.013	3624.061	-23.641	979659.251	-11.385	49.224	-17.849	19.991
2/06/2008	12:50:42	158.189	580901.019	6208200.975	3624.214	0.033	-0.038	0.013	3624.227	-23.807	979659.417	-11.217	48.817	-17.701	19.899

2/06/2008	12:47:42	157.479	580997.955	6208199.737	3624.057	0.028	-0.037	0.013	3624.07	-23.65	979659.26	-11.374	48.598	-17.622	19.602
2/06/2008	12:44:30	157.773	581099.191	6208201.059	3623.781	0.023	-0.035	0.013	3623.794	-23.374	979658.984	-11.648	48.689	-17.655	19.386
2/06/2008	12:40:37	154.922	581174.015	6208199.554	3624.3	0.039	-0.034	0.013	3624.313	-23.893	979659.503	-11.13	47.809	-17.336	19.343
2/06/2008	12:17:16	158.107	581301.186	6208200.622	3623.181	0.035	-0.026	0.012	3623.193	-22.773	979658.383	-12.248	48.792	-17.692	18.851
2/06/2008	12:12:54	160.346	581393.241	6208192.925	3622.303	0.035	-0.025	0.011	3622.314	-21.894	979657.504	-13.133	49.483	-17.943	18.408
2/06/2008	12:07:51	164.899	581499.779	6208200.417	3621.067	0.049	-0.024	0.011	3621.078	-20.658	979656.268	-14.362	50.888	-18.452	18.074
2/06/2008	12:00:24	169.925	581598.142	6208199.016	3619.868	0.016	-0.022	0.011	3619.879	-19.459	979655.069	-15.562	52.439	-19.015	17.863
2/06/2008	11:56:44	176.975	581699.644	6208201.825	3618.405	0.03	-0.021	0.011	3618.416	-17.996	979653.606	-17.022	54.614	-19.803	17.789
2/06/2008	11:52:14	184.669	581799.994	6208197.994	3616.629	0.03	-0.02	0.011	3616.64	-16.22	979651.83	-18.8	56.989	-20.664	17.525
2/06/2008	11:48:19	190.724	581896.831	6208200.845	3615.514	0.03	-0.019	0.01	3615.524	-15.104	979650.714	-19.913	58.857	-21.342	17.602
2/06/2008	11:41:32	195.409	582002.287	6208200.204	3614.633	0.023	-0.018	0.01	3614.643	-14.223	979649.833	-20.794	60.303	-21.866	17.643
2/06/2008	11:36:13	196.468	582093.499	6208192.035	3614.765	0.029	-0.017	0.01	3614.775	-14.355	979649.965	-20.668	60.63	-21.985	17.978
2/06/2008	11:25:07	195.911	582194.253	6208184.047	3614.918	0.036	-0.016	0.009	3614.927	-14.507	979650.117	-20.521	60.458	-21.922	18.015
2/06/2008	11:07:56	198.984	582293.433	6208201.657	3614.007	0.033	-0.015	0.009	3614.016	-13.596	979649.206	-21.418	61.406	-22.266	17.722
2/06/2008	10:59:49	201.471	582397.917	6208200.739	3613.629	0.037	-0.015	0.008	3613.637	-13.217	979648.827	-21.797	62.174	-22.545	17.833
2/06/2008	9:59:47	197.978	582399.773	6208602.24	3614.845	0.026	-0.023	0.006	3614.851	-14.431	979650.041	-20.279	61.096	-22.154	18.664
2/06/2008	9:55:27	201.375	582501.015	6208608.405	3614.107	0.024	-0.024	0.006	3614.113	-13.693	979649.303	-21.011	62.144	-22.534	18.599
2/06/2008	9:48:40	205.444	582599.162	6208599.684	3613.289	0.034	-0.026	0.005	3613.294	-12.874	979648.484	-21.836	63.4	-22.989	18.575
2/06/2008	9:44:26	210.361	582698.937	6208599.943	3612.328	0.024	-0.027	0.005	3612.333	-11.913	979647.523	-22.796	64.917	-23.539	18.582
2/06/2008	9:40:30	218.763	582798.852	6208599.277	3610.421	0.037	-0.028	0.005	3610.426	-10.006	979645.616	-24.703	67.51	-24.48	18.328
2/06/2008	9:37:58	227.842	582900.263	6208600.559	3608.334	0.025	-0.029	0.005	3608.339	-7.919	979643.529	-26.789	70.312	-25.495	18.028
2/06/2008	9:34:23	235.618	582999.106	6208599.952	3606.724	0.036	-0.03	0.005	3606.729	-6.309	979641.919	-28.398	72.712	-26.366	17.948
2/06/2008	9:29:23	248.655	583099.497	6208596.884	3603.461	0.021	-0.032	0.004	3603.465	-3.045	979638.655	-31.664	76.735	-27.824	17.247
2/06/2008	9:23:13	261.825	583202.148	6208600.874	3600.159	0.032	-0.034	0.004	3600.163	0.257	979635.353	-34.962	80.799	-29.298	16.539
2/06/2008	9:19:11	258.643	583299.594	6208600.216	3600.87	0.026	-0.035	0.004	3600.874	-0.454	979636.064	-34.251	79.817	-28.942	16.624
2/06/2008	9:14:29	254.036	583399.283	6208599.703	3601.911	0.029	-0.037	0.004	3601.915	-1.495	979637.105	-33.21	78.396	-28.427	16.759
2/06/2008	9:11:29	248.016	583498.261	6208600.006	3603.008	0.021	-0.038	0.004	3603.012	-2.592	979638.202	-32.112	76.538	-27.753	16.673
2/06/2008	9:06:59	227.739	583599.52	6208600.054	3607.534	0.03	-0.04	0.003	3607.537	-7.117	979642.727	-27.586	70.28	-25.484	17.21
2/06/2008	9:00:54	218.685	583699.063	6208599.932	3609.657	0.036	-0.042	0.003	3609.66	-9.24	979644.85	-25.463	67.486	-24.471	17.553
2/06/2008	8:56:22	224.53	583799.053	6208599.493	3608.412	0.025	-0.044	0.003	3608.415	-7.995	979643.605	-26.707	69.29	-25.125	17.458
2/06/2008	8:52:28	231.949	583898.572	6208599.742	3606.418	0.033	-0.046	0.003	3606.421	-6.001	979641.611	-28.7	71.579	-25.955	16.924
2/06/2008	8:47:02	234.411	583997.466	6208600.32	3605.588	0.028	-0.048	0.003	3605.591	-5.171	979640.781	-29.529	72.339	-26.231	16.58
2/06/2008	8:39:52	231.329	584097.67	6208602.205	3606.029	0.028	-0.051	0.002	3606.031	-5.611	979641.221	-29.087	71.388	-25.886	16.416
2/06/2008	8:32:48	217.733	584200.16	6208600.244	3608.904	0.025	-0.054	0.002	3608.906	-8.486	979644.096	-26.213	67.192	-24.364	16.615
2/06/2008	8:22:28	190.505	584198.57	6209000.099	3614.884	0.029	-0.059	0.001	3614.885	-14.465	979650.075	-19.931	58.79	-21.317	17.542
2/06/2008	16:55:11	230.266	582898.867	6209405.382	3607.834	0.015	-0.091	0.024	3607.858	-7.438	979643.048	-26.659	71.06	-25.767	18.634
3/06/2008	7:33:05	263.539	583053.031	6209048.513	3600.644	0.029	-0.102	0	3600.644	0	979635.61	-34.367	81.328	-29.49	17.472
3/06/2008	7:36:32	263.539	583053.031	6209048.513	3600.644	0.034	-0.101	0	3600.644	0	979635.61	-34.367	81.328	-29.49	17.472

3/06/2008	16:31:39	263.539	583053.031	6209048.513	3600.641	0.04	-0.104	0.003	3600.644	0	979635.61	-34.367	81.328	-29.49	17.472
3/06/2008	16:34:26	263.539	583053.031	6209048.513	3600.641	0.038	-0.104	0	3600.641	0	979635.61	-34.367	81.328	-29.49	17.472
3/06/2008	15:42:16	163.93	580200.48	6206599.822	3623.208	0.028	-0.095	0.003	3623.211	-22.567	979658.177	-13.676	50.589	-18.344	18.569
3/06/2008	15:39:18	161.136	580299.664	6206600.905	3623.612	0.027	-0.094	0.003	3623.615	-22.971	979658.581	-13.27	49.727	-18.031	18.425
3/06/2008	15:29:14	160.548	580388.821	6206601.612	3623.879	0.034	-0.091	0.003	3623.882	-23.238	979658.848	-13.002	49.545	-17.965	18.578
3/06/2008	15:20:09	159.892	580496.431	6206598.555	3624.348	0.04	-0.088	0.003	3624.351	-23.707	979659.317	-12.535	49.343	-17.892	18.916
3/06/2008	15:03:17	160.91	580604.635	6206613.101	3624.552	0.025	-0.082	0.003	3624.555	-23.911	979659.521	-12.319	49.657	-18.006	19.332
3/06/2008	14:59:21	165.084	580700.826	6206599.815	3623.726	0.022	-0.08	0.002	3623.728	-23.084	979658.694	-13.155	50.945	-18.473	19.317
3/06/2008	14:55:14	168.672	580797.75	6206601.044	3622.933	0.032	-0.079	0.002	3622.935	-22.291	979657.901	-13.947	52.052	-18.874	19.231
3/06/2008	14:50:20	170.524	580899.458	6206599.98	3622.511	0.026	-0.077	0.002	3622.513	-21.869	979657.479	-14.369	52.624	-19.082	19.173
3/06/2008	14:46:53	172.737	580998.216	6206600.358	3622.257	0.041	-0.075	0.002	3622.259	-21.615	979657.225	-14.622	53.307	-19.329	19.356
3/06/2008	14:43:30	173.005	581100.819	6206600.309	3621.96	0.018	-0.074	0.002	3621.962	-21.318	979656.928	-14.918	53.389	-19.359	19.112
3/06/2008	14:40:33	181.167	581199.779	6206600.591	3620.013	0.029	-0.072	0.002	3620.015	-19.371	979654.981	-16.864	55.908	-20.273	18.771
3/06/2008	14:37:04	191.85	581299.939	6206600.499	3617.689	0.022	-0.071	0.002	3617.691	-17.047	979652.657	-19.188	59.205	-21.468	18.549
3/06/2008	14:33:41	195.595	581399.867	6206598.666	3617.147	0.038	-0.07	0.002	3617.149	-16.505	979652.115	-19.731	60.361	-21.887	18.743
3/06/2008	14:30:35	203.621	581499.277	6206601.095	3615.465	0.024	-0.068	0.002	3615.467	-14.823	979650.433	-21.41	62.837	-22.785	18.642
3/06/2008	14:07:59	217.569	581600.837	6206600.919	3612.611	0.023	-0.059	0.002	3612.613	-11.969	979647.579	-24.263	67.142	-24.346	18.533
3/06/2008	14:03:46	222.295	581698.923	6206598.806	3611.557	0.017	-0.057	0.002	3611.559	-10.915	979646.525	-25.318	68.6	-24.875	18.407
3/06/2008	14:00:00	213.764	581797.813	6206599.333	3613.564	0.024	-0.055	0.002	3613.566	-12.922	979648.532	-23.31	65.968	-23.92	18.737
3/06/2008	13:54:55	201.888	581899.214	6206600.57	3615.657	0.033	-0.053	0.002	3615.659	-15.015	979650.625	-21.216	62.303	-22.591	18.496
3/06/2008	13:50:55	198.559	581997.145	6206599.63	3615.744	0.023	-0.052	0.002	3615.746	-15.102	979650.712	-21.129	61.275	-22.219	17.928
3/06/2008	13:47:13	199.026	582097.51	6206600.607	3614.823	0.021	-0.05	0.002	3614.825	-14.181	979649.791	-22.049	61.419	-22.271	17.1
3/06/2008	13:44:19	192.042	582200.552	6206599.447	3616.181	0.041	-0.049	0.002	3616.183	-15.539	979651.149	-20.691	59.264	-21.489	17.084
3/06/2008	13:40:59	188.666	582299.145	6206600.293	3616.722	0.029	-0.048	0.002	3616.724	-16.08	979651.69	-20.148	58.222	-21.112	16.962
3/06/2008	13:35:08	186.228	582399.578	6206599.163	3617.482	0.028	-0.046	0.002	3617.484	-16.84	979652.45	-19.389	57.47	-20.839	17.243
3/06/2008	10:18:22	159.806	580199.53	6207000.31	3624.363	0.032	-0.042	0.001	3624.364	-23.72	979659.33	-12.219	49.316	-17.882	19.215
3/06/2008	10:49:43	154.29	580300.293	6206997.306	3625.124	0.031	-0.032	0.001	3625.125	-24.481	979660.091	-11.46	47.614	-17.265	18.889
3/06/2008	11:37:42	157.206	580400.866	6207000.741	3624.266	0.048	-0.025	0.001	3624.267	-23.623	979659.233	-12.314	48.514	-17.591	18.608
3/06/2008	11:41:50	167.43	580500.596	6206999.273	3622.339	0.029	-0.024	0.001	3622.34	-21.696	979657.306	-14.242	51.669	-18.735	18.692
3/06/2008	11:47:19	182.303	580597.89	6207001.029	3619.415	0.028	-0.024	0.001	3619.416	-18.772	979654.382	-17.164	56.259	-20.4	18.695
3/06/2008	11:53:03	182.415	580700.825	6206999.632	3620.257	0.039	-0.024	0.001	3620.258	-19.614	979655.224	-16.322	56.293	-20.412	19.559
3/06/2008	11:56:10	183.388	580799.942	6207000.117	3620.569	0.029	-0.024	0.001	3620.57	-19.926	979655.536	-16.009	56.594	-20.521	20.063
3/06/2008	12:00:29	192.583	580900.8	6206999.901	3618.581	0.024	-0.024	0.001	3618.582	-17.938	979653.548	-17.997	59.431	-21.55	19.884
3/06/2008	12:07:56	199.383	581000.166	6207000.394	3616.792	0.024	-0.025	0.002	3616.794	-16.15	979651.76	-19.783	61.53	-22.311	19.435
3/06/2008	12:11:23	205.329	581099.699	6207002.991	3615.19	0.042	-0.025	0.002	3615.192	-14.548	979650.158	-21.383	63.365	-22.976	19.005
3/06/2008	12:15:23	210.206	581200.762	6206999.682	3613.642	0.052	-0.025	0.002	3613.644	-13	979648.61	-22.933	64.87	-23.522	18.415
3/06/2008	12:19:30	210.964	581299.544	6206999.797	3613.552	0.018	-0.026	0.002	3613.554	-12.91	979648.52	-23.022	65.103	-23.607	18.475
3/06/2008	12:24:29	207.227	581394.285	6207000.122	3614.443	0.028	-0.027	0.002	3614.445	-13.801	979649.411	-22.13	63.95	-23.189	18.632

3/06/2008	12:29:04	190.002	581499.154	6207000.63	3618.376	0.03	-0.027	0.002	3618.378	-17.734	979653.344	-18.196	58.635	-21.261	19.177
3/06/2008	12:37:54	190.972	581601.166	6207000.252	3617.989	0.031	-0.029	0.002	3617.991	-17.347	979652.957	-18.583	58.934	-21.37	18.982
3/06/2008	12:44:04	193.171	581698.417	6206998.55	3617.599	0.028	-0.03	0.002	3617.601	-16.957	979652.567	-18.973	59.613	-21.616	19.024
3/06/2008	12:47:47	186.38	581797.425	6207000.112	3618.77	0.047	-0.031	0.002	3618.772	-18.128	979653.738	-17.801	57.517	-20.856	18.86
3/06/2008	12:52:15	182.485	581899.092	6206998.914	3619.143	0.034	-0.032	0.002	3619.145	-18.501	979654.111	-17.428	56.315	-20.42	18.467
3/06/2008	12:55:55	179.401	581999.077	6206999.98	3619.098	0.024	-0.033	0.002	3619.1	-18.456	979654.066	-17.471	55.363	-20.075	17.817
3/06/2008	13:01:35	177.406	582099.053	6207001.126	3619.357	0.031	-0.034	0.002	3619.359	-18.715	979654.325	-17.211	54.747	-19.852	17.685
3/06/2008	13:06:01	176.808	582201.322	6207000.627	3619.782	0.061	-0.036	0.002	3619.784	-19.14	979654.75	-16.785	54.563	-19.785	17.993
3/06/2008	13:20:46	180.765	582299.773	6207001.992	3618.741	0.02	-0.041	0.002	3618.743	-18.099	979653.709	-17.825	55.784	-20.228	17.732
3/06/2008	13:25:45	189.051	582398.902	6207000.203	3616.66	0.052	-0.042	0.002	3616.662	-16.018	979651.628	-19.906	58.341	-21.155	17.28
3/06/2008	9:57:56	155.09	580200.177	6207398.995	3625.599	0.054	-0.049	0.001	3625.6	-24.956	979660.566	-10.68	47.861	-17.355	19.826
3/06/2008	9:54:08	152.898	580298.229	6207401.671	3625.353	0.033	-0.051	0.001	3625.354	-24.71	979660.32	-10.924	47.184	-17.109	19.151
3/06/2008	9:36:07	152.541	580416.865	6207379.821	3625.141	0.047	-0.058	0.001	3625.142	-24.498	979660.108	-11.152	47.074	-17.069	18.853
3/06/2008	9:27:30	156.937	580499.299	6207401.868	3624.642	0.031	-0.062	0.001	3624.643	-23.999	979659.609	-11.634	48.431	-17.561	19.236
3/06/2008	9:19:46	161.581	580600.146	6207400.08	3624.112	0.024	-0.065	0.001	3624.113	-23.469	979659.079	-12.164	49.864	-18.081	19.619
3/06/2008	9:16:31	169.852	580698.666	6207401.693	3622.487	0.036	-0.067	0.001	3622.488	-21.844	979657.454	-13.787	52.416	-19.006	19.623
3/06/2008	9:12:39	177.023	580801.224	6207400.046	3621.016	0.028	-0.068	0.001	3621.017	-20.373	979655.983	-15.259	54.629	-19.809	19.562
3/06/2008	9:08:42	182.423	580897.914	6207400.248	3620.396	0.026	-0.07	0.001	3620.397	-19.753	979655.363	-15.878	56.296	-20.413	20.005
3/06/2008	9:04:55	190.157	580998.811	6207399.388	3618.834	0.031	-0.071	0	3618.834	-18.19	979653.8	-17.441	58.682	-21.279	19.963
3/06/2008	9:00:01	197.183	581102.016	6207399.98	3616.54	0.044	-0.073	0	3616.54	-15.896	979651.506	-19.734	60.851	-22.065	19.052
3/06/2008	8:56:47	198.331	581198.326	6207399.529	3615.426	0.019	-0.075	0	3615.426	-14.782	979650.392	-20.848	61.205	-22.193	18.164
3/06/2008	8:51:12	199.283	581298.835	6207399.959	3614.915	0.035	-0.077	0	3614.915	-14.271	979649.881	-21.358	61.499	-22.3	17.841
3/06/2008	8:47:19	199.033	581398.936	6207399.94	3614.893	0.02	-0.079	0	3614.893	-14.249	979649.859	-21.379	61.422	-22.272	17.771
3/06/2008	8:43:57	193.27	581498.819	6207399.146	3615.932	0.031	-0.08	0	3615.932	-15.288	979650.898	-20.34	59.643	-21.627	17.676
3/06/2008	8:32:55	178.268	581599.601	6207400.554	3618.907	0.053	-0.084	0	3618.907	-18.263	979653.873	-17.363	55.014	-19.948	17.702
3/06/2008	8:26:36	170.848	581699.202	6207400.781	3620.378	0.029	-0.087	0	3620.378	-19.734	979655.344	-15.891	52.724	-19.118	17.715
3/06/2008	16:14:19	198.024	582399.64	6208602.299	3615.08	0.027	-0.102	0.003	3615.083	-14.439	979650.049	-20.271	61.11	-22.159	18.681
3/06/2008	8:10:37	201.291	582501.023	6208608.441	3614.339	0.036	-0.092	0	3614.339	-13.695	979649.305	-21.009	62.118	-22.524	18.585
4/06/2008	7:34:32	263.539	583053.031	6209048.513	3600.888	0.033	-0.105	0	3600.888	0	979635.61	-34.367	81.328	-29.49	17.472
4/06/2008	7:37:46	263.539	583053.031	6209048.513	3600.888	0.034	-0.105	0	3600.888	0	979635.61	-34.367	81.328	-29.49	17.472
4/06/2008	17:21:39	263.539	583053.031	6209048.513	3600.889	0.035	-0.106	-0.001	3600.888	0	979635.61	-34.367	81.328	-29.49	17.472
4/06/2008	17:24:32	263.539	583053.031	6209048.513	3600.889	0.038	-0.106	0	3600.889	0	979635.61	-34.367	81.328	-29.49	17.472
4/06/2008	13:43:56	172.877	580200.141	6205800.299	3621.834	0.029	-0.039	-0.001	3621.833	-20.945	979656.555	-15.904	53.35	-19.345	18.101
4/06/2008	13:33:52	177.413	580300.036	6205800.367	3621.634	0.026	-0.036	-0.001	3621.633	-20.745	979656.355	-16.103	54.75	-19.852	18.794
4/06/2008	13:28:44	186.81	580399.692	6205800.321	3619.795	0.026	-0.035	-0.001	3619.794	-18.906	979654.516	-17.942	57.65	-20.904	18.804
4/06/2008	13:24:30	189.286	580500.341	6205799.506	3619.103	0.032	-0.034	-0.001	3619.102	-18.214	979653.824	-18.634	58.414	-21.181	18.599
4/06/2008	13:18:51	184.682	580598.417	6205801.013	3619.958	0.054	-0.033	-0.001	3619.957	-19.069	979654.679	-17.777	56.993	-20.666	18.55
4/06/2008	13:15:11	177.305	580698.639	6205800.486	3621.115	0.039	-0.033	-0.001	3621.114	-20.226	979655.836	-16.62	54.716	-19.84	18.256

4/06/2008	13:09:22	171.426	580805.386	6205808.117	3622.063	0.04	-0.032	-0.001	3622.062	-21.174	979656.784	-15.665	52.902	-19.183	18.054
4/06/2008	13:01:01	169.741	580899.687	6205799.998	3622.665	0.027	-0.031	-0.001	3622.664	-21.776	979657.386	-15.069	52.382	-18.994	18.32
4/06/2008	12:55:26	183.386	580999.796	6205799.631	3620.101	0.037	-0.03	-0.001	3620.1	-19.212	979654.822	-17.632	56.593	-20.521	18.44
4/06/2008	12:50:22	198.299	581098.678	6205805.6	3617.451	0.035	-0.03	-0.001	3617.45	-16.562	979652.172	-20.277	61.195	-22.19	18.728
4/06/2008	12:46:26	205.324	581197.791	6205799.971	3616.496	0.061	-0.03	-0.001	3616.495	-15.607	979651.217	-21.236	63.363	-22.976	19.152
4/06/2008	12:43:03	203.999	581299.565	6205791.81	3617.374	0.028	-0.03	-0.001	3617.373	-16.485	979652.095	-20.363	62.954	-22.827	19.764
4/06/2008	12:35:40	203.911	581400.221	6205800.058	3617.781	0.044	-0.03	-0.001	3617.78	-16.892	979652.502	-19.949	62.927	-22.818	20.16
4/06/2008	12:31:10	201.864	581500.267	6205800.742	3618.288	0.051	-0.03	-0.001	3618.287	-17.399	979653.009	-19.441	62.295	-22.589	20.266
4/06/2008	12:21:52	205.591	581604.829	6205822.701	3617.466	0.051	-0.03	0	3617.466	-16.578	979652.188	-20.245	63.445	-23.006	20.195
4/06/2008	12:06:35	213.817	581700.922	6205799.798	3615.709	0.032	-0.032	0	3615.709	-14.821	979650.431	-22.019	65.984	-23.926	20.039
4/06/2008	12:00:35	220.33	581797.933	6205803.281	3614.04	0.033	-0.033	0	3614.04	-13.152	979648.762	-23.684	67.994	-24.655	19.655
4/06/2008	11:56:58	228.597	581897.323	6205799.771	3611.927	0.04	-0.033	0	3611.927	-11.039	979646.649	-25.799	70.545	-25.58	19.166
4/06/2008	11:52:52	239.57	581999.652	6205800.194	3609.094	0.043	-0.034	0	3609.094	-8.206	979643.816	-28.631	73.931	-26.808	18.492
4/06/2008	11:49:29	246.066	582099.028	6205799.462	3606.988	0.031	-0.035	0	3606.988	-6.1	979641.71	-30.737	75.936	-27.535	17.664
4/06/2008	11:43:35	232.644	582193.67	6205800.608	3609.801	0.032	-0.036	0	3609.801	-8.913	979644.523	-27.923	71.794	-26.033	17.838
4/06/2008	11:39:10	227.479	582298.357	6205800.666	3610.772	0.033	-0.037	0	3610.772	-9.884	979645.494	-26.951	70.2	-25.455	17.794
4/06/2008	11:35:03	221.959	582400.481	6205799.708	3611.693	0.04	-0.038	0	3611.693	-10.805	979646.415	-26.03	68.497	-24.837	17.629
4/06/2008	8:55:06	168.204	580200.726	6206200.281	3623.09	0.025	-0.095	0	3623.09	-22.202	979657.812	-14.344	51.908	-18.822	18.742
4/06/2008	9:02:16	165.476	580300.116	6206200.701	3623.79	0.052	-0.093	0	3623.79	-22.902	979658.512	-13.643	51.066	-18.517	18.907
4/06/2008	9:05:48	168.759	580400.795	6206201.408	3623.038	0.041	-0.092	0	3623.038	-22.15	979657.76	-14.393	52.079	-18.884	18.802
4/06/2008	9:09:33	170.75	580503.976	6206202.175	3622.302	0.038	-0.091	0	3622.302	-21.414	979657.024	-15.128	52.693	-19.107	18.458
4/06/2008	9:24:36	168.42	580599.093	6206200.999	3622.819	0.054	-0.086	0	3622.819	-21.931	979657.541	-14.611	51.974	-18.846	18.517
4/06/2008	9:27:21	165.489	580701.518	6206198.902	3623.636	0.035	-0.085	0	3623.636	-22.748	979658.358	-13.795	51.07	-18.518	18.756
4/06/2008	9:35:51	165.609	580802.221	6206204.366	3623.944	0.037	-0.081	0	3623.944	-23.056	979658.666	-13.483	51.107	-18.532	19.093
4/06/2008	9:59:37	168.082	580893.028	6206193.868	3623.38	0.03	-0.072	0	3623.38	-22.492	979658.102	-14.054	51.87	-18.808	19.008
4/06/2008	10:14:02	175.241	581000.788	6206198.802	3621.714	0.045	-0.066	0	3621.714	-20.826	979656.436	-15.715	54.079	-19.609	18.755
4/06/2008	10:27:42	182.377	581101.091	6206199.186	3620.239	0.034	-0.06	0	3620.239	-19.351	979654.961	-17.189	56.282	-20.408	18.684
4/06/2008	10:31:16	191.98	581201.002	6206199.653	3618.422	0.036	-0.059	0	3618.422	-17.534	979653.144	-19.006	59.245	-21.483	18.757
4/06/2008	10:35:55	196.174	581302.923	6206194.812	3618.308	0.033	-0.057	0	3618.308	-17.42	979653.03	-19.122	60.539	-21.952	19.465
4/06/2008	10:40:17	201.836	581400.148	6206199.422	3617.337	0.038	-0.056	0	3617.337	-16.449	979652.059	-20.09	62.287	-22.585	19.612
4/06/2008	10:44:47	211.536	581506.405	6206195.534	3615.322	0.043	-0.054	0	3615.322	-14.434	979650.044	-22.107	65.28	-23.671	19.502
4/06/2008	10:49:10	219.371	581598.032	6206199.807	3613.797	0.033	-0.052	0	3613.797	-12.909	979648.519	-23.628	67.698	-24.548	19.523
4/06/2008	10:53:31	229.929	581699.201	6206200.603	3611.746	0.045	-0.051	0	3611.746	-10.858	979646.468	-25.678	70.956	-25.729	19.55
4/06/2008	10:56:53	236.437	581800.835	6206203.181	3610.275	0.055	-0.049	0	3610.275	-9.387	979644.997	-27.146	72.964	-26.457	19.362
4/06/2008	11:00:40	237.419	581898.302	6206200.644	3609.688	0.047	-0.048	0	3609.688	-8.8	979644.41	-27.734	73.268	-26.567	18.966
4/06/2008	11:04:13	221.891	581995.355	6206200.048	3612.385	0.026	-0.047	0	3612.385	-11.497	979647.107	-25.037	68.476	-24.83	18.609
4/06/2008	11:09:29	209.747	582098.711	6206202.68	3613.718	0.033	-0.045	0	3613.718	-12.83	979648.44	-23.701	64.728	-23.471	17.556
4/06/2008	11:14:50	212.127	582198.753	6206204.239	3612.149	0.041	-0.043	0	3612.149	-11.261	979646.871	-25.269	65.462	-23.737	16.457

4/06/2008	11:21:56	204.579	582298.79	6206200.205	3613.425	0.043	-0.041	0	3613.425	-12.537	979648.147	-23.995	63.133	-22.892	16.246
4/06/2008	11:26:15	203.365	582399.92	6206200.99	3613.591	0.032	-0.04	0	3613.591	-12.703	979648.313	-23.828	62.758	-22.756	16.174
4/06/2008	9:47:44	160.572	580388.945	6206601.665	3624.138	0.032	-0.077	0	3624.138	-23.25	979658.86	-12.99	49.553	-17.968	18.595
4/06/2008	16:50:34	197.708	582600.263	6209787.134	3614.919	0.03	-0.102	-0.001	3614.918	-14.03	979649.64	-19.78	61.013	-22.123	19.109
4/06/2008	16:40:25	203.171	582692.704	6209786.732	3613.793	0.035	-0.1	-0.001	3613.792	-12.904	979648.514	-20.906	62.699	-22.735	19.058
4/06/2008	16:28:03	202.63	582798.351	6209804.258	3613.747	0.039	-0.097	-0.001	3613.746	-12.858	979648.468	-20.937	62.532	-22.674	18.92
4/06/2008	16:18:55	211.559	582900.054	6209792.224	3611.934	0.031	-0.095	-0.001	3611.933	-11.045	979646.655	-22.759	65.287	-23.673	18.855
4/06/2008	16:09:58	222.184	583007.072	6209791.72	3609.553	0.033	-0.092	-0.001	3609.552	-8.664	979644.274	-25.14	68.566	-24.862	18.564
4/06/2008	16:02:54	228.883	583091.791	6209791.682	3608.079	0.037	-0.09	-0.001	3608.078	-7.19	979642.8	-26.613	70.633	-25.612	18.408
4/06/2008	15:56:29	232.223	583191.028	6209797.855	3607.181	0.048	-0.087	-0.001	3607.18	-6.292	979641.902	-27.506	71.664	-25.986	18.173
4/06/2008	15:48:08	236.97	583289.684	6209802.323	3606.447	0.047	-0.084	-0.001	3606.446	-5.558	979641.168	-28.236	73.129	-26.517	18.376
4/06/2008	15:38:54	242.831	583397.949	6209800.288	3605.325	0.041	-0.081	-0.001	3605.324	-4.436	979640.046	-29.358	74.938	-27.173	18.407
4/06/2008	15:01:34	217.516	583095.293	6211001.873	3609.048	0.027	-0.065	-0.001	3609.047	-8.159	979643.769	-24.727	67.125	-24.34	18.059
5/06/2008	7:59:59	263.539	583053.031	6209048.513	3601.12	0.035	-0.096	0	3601.12	0	979635.61	-34.367	81.328	-29.49	17.472
5/06/2008	8:11:20	263.539	583053.031	6209048.513	3601.12	0.049	-0.098	0	3601.12	0	979635.61	-34.367	81.328	-29.49	17.472
5/06/2008	14:59:58	263.539	583053.031	6209048.513	3601.118	0.045	-0.047	0.002	3601.12	0	979635.61	-34.367	81.328	-29.49	17.472
5/06/2008	15:02:51	263.539	583053.031	6209048.513	3601.118	0.043	-0.048	0	3601.118	0	979635.61	-34.367	81.328	-29.49	17.472
5/06/2008	14:29:35	185.482	581998.409	6208603.658	3618.035	0.05	-0.039	0.002	3618.037	-16.917	979652.527	-17.794	57.24	-20.755	18.69
5/06/2008	14:25:05	187.845	582097.476	6208596.925	3617.576	0.044	-0.038	0.002	3617.578	-16.458	979652.068	-18.258	57.969	-21.02	18.692
5/06/2008	14:19:58	188.729	582194.413	6208589.98	3617.324	0.052	-0.037	0.002	3617.326	-16.206	979651.816	-18.514	58.242	-21.119	18.609
5/06/2008	14:12:21	196.443	582298.521	6208611.496	3615.73	0.041	-0.036	0.002	3615.732	-14.612	979650.222	-20.091	60.622	-21.982	18.549
5/06/2008	14:43:55	198.069	582399.835	6208602.049	3615.552	0.045	-0.043	0.002	3615.554	-14.434	979650.044	-20.276	61.124	-22.164	18.685
5/06/2008	12:33:03	246.059	582607.597	6208998.364	3605.261	0.045	-0.037	0.001	3605.262	-4.142	979639.752	-30.266	75.934	-27.534	18.134
5/06/2008	12:22:33	244.02	582689.745	6208987.602	3605.652	0.053	-0.039	0.001	3605.653	-4.533	979640.143	-29.882	75.305	-27.306	18.116
5/06/2008	12:12:38	230.67	582807.458	6208982.801	3608.861	0.043	-0.041	0.001	3608.862	-7.742	979643.352	-26.676	71.185	-25.812	18.697
5/06/2008	11:54:10	258.583	582999.86	6209002.162	3602.768	0.066	-0.046	0.001	3602.769	-1.649	979637.259	-32.753	79.799	-28.935	18.11
5/06/2008	9:17:48	230.272	582899.038	6209405.061	3608.555	0.045	-0.097	0	3608.555	-7.435	979643.045	-26.663	71.062	-25.767	18.632
5/06/2008	9:44:28	237.75	582999.052	6209382.19	3607.136	0.041	-0.091	0	3607.136	-6.016	979641.626	-28.098	73.37	-26.604	18.667

LINCOLN MINERALS LIMITED

ABN 50 050 117 023

EL3702 (Wanilla) Eyre Peninsula

Second Annual Technical Report
For Period 13 February 2009 to 12 February 2010

For Twelve Months Ending:	12/02/2010	**Licensee:**	Lincoln Minerals Limited
		Operator:	Lincoln Minerals Limited
Mineral(s) Sought:	Iron ore, base metals, gold and all minerals other than opal	**Prepared by:**	D. A. Povey, P. Lyons
		Date:	1 June 2010
		Phone No:	08 8274 0243
Map Sheets:	LINCOLN 1:250,000 CUMMINS 1:100,000	**Fax No:**	08 8274 0242
Key Words:	*Gawler Craton, Hutchison Group, gravity, hematite, drilling*		

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1 Introduction

This report is for the period 13 February 2009 to 12 February 2010.

The Wanilla Project tenement, EL 3702, was granted on the 13 February 2007 to Intermet Resources. In March 2008, Intermet entered into a Joint Venture with Lincoln Minerals Ltd (LML) and its partner Mineral Enterprises Australia Pty Ltd (MEA), giving it the right to explore for all minerals except uranium. LML-MEA can earn 80% interest in EL 3702 by expending $2 million on exploration by the end of 2012. LML manages the Joint Venture.

EL 3702 is centred about 45 km northwest of Port Lincoln, on the southern Eyre Peninsula, and includes the towns of Wanilla and Cummins (Figure 1). It covers an area of 1,024 km^2.

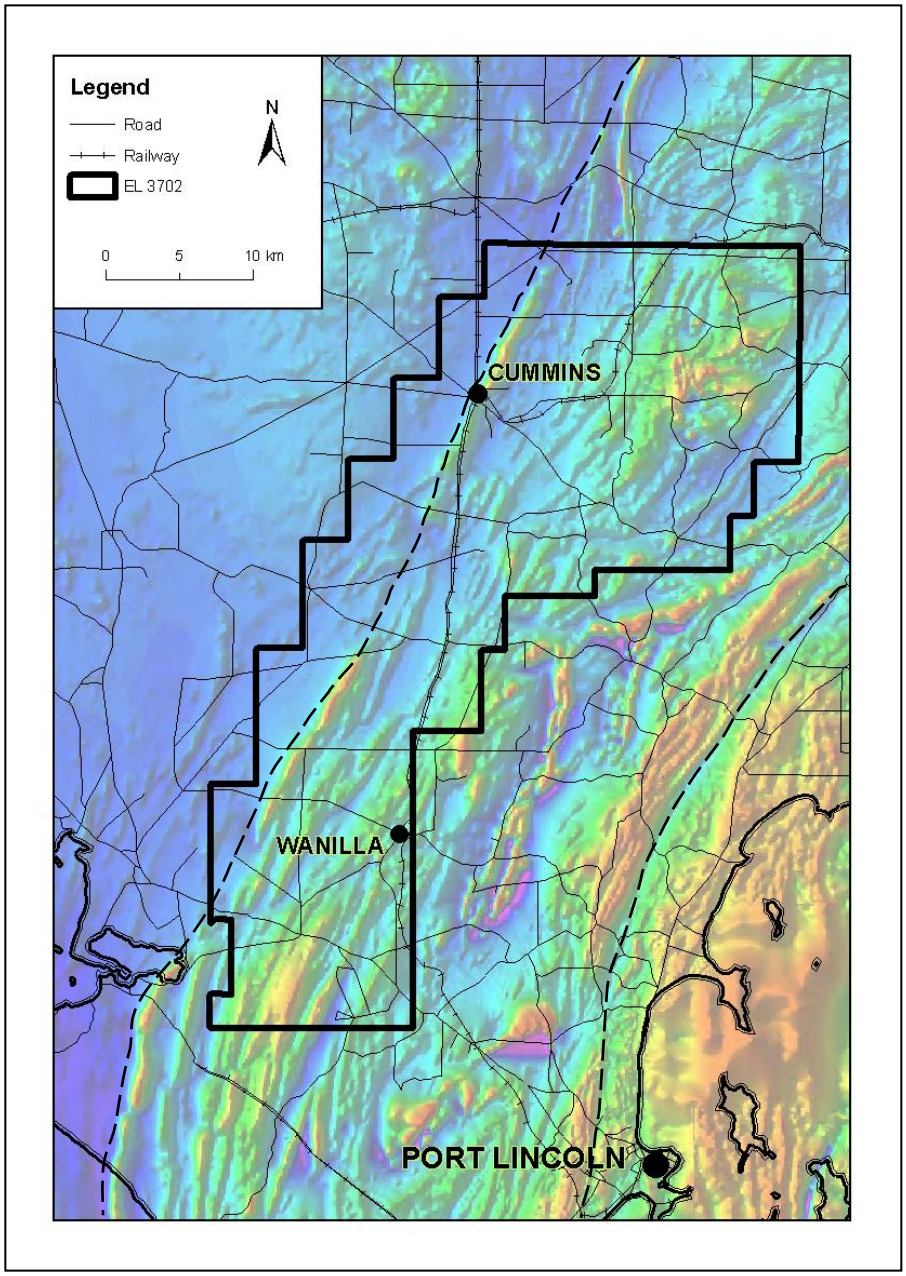

Figure 1. Location of EL 3702 on image of total magnetic intensity. Shear zones referred to in section on Regional Geology shown as dashed lines.

The project area is prospective for a range of minerals including iron ore, gold, uranium, and base metals.

During the reporting year the following exploration activities were carried out:—

- Air-core and RC drilling to test targets identified from analysis of data acquired during gravity surveys conducted in 2008 (Figure 2).
- RC drilling to test a magnetic anomaly located about 578000 mE, 6197600 mN (MGA94 Zone 53).

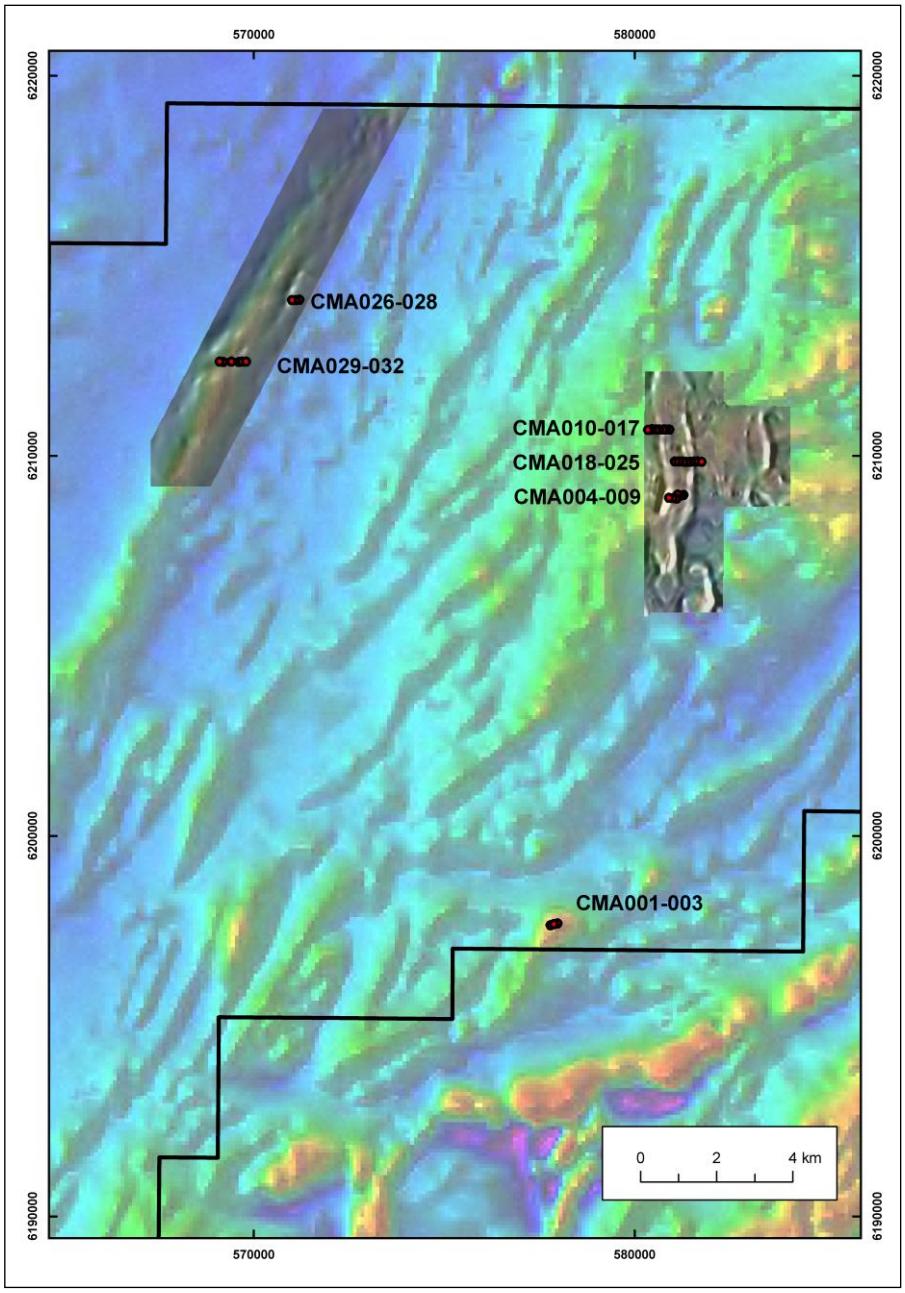

Figure 2. Locations of gravity anomalies (shown as curvature images) and magnetic anomaly tested by drilling. Location of drill collars shown in red.

2 Regional Geology

EL 3702 is in an area of sparse outcrop, most of which is weathered to depths of tens of metres. Cover units are Palaeogene to Quaternary sands, gravels, silts, clays, and calcrete. Mapped basement units are Warrow Quartzite, Cook Gap Schist, and Burrawing Amphibolite of the Hutchison Group, and a unit of the Moody Suite, mapped as Chinmina Syenite (LINCOLN 1:250,000 Geology Series SI 53-11, M.P. Schwarz, 2002).

Regional mapping and aeromagnetic data indicate that the Hutchison Group in the area may also include members of the Katunga Dolomite and Middleback Jaspilite, all within the Cleve Domain, bound by the Kalinjala Mylonite to the east and an un-named shear zone to the west. The Moody Suite, probably emplaced during the *ca* 1720 Ma Kimban Orogeny, appears to form a pluton, raising the possibility of the presence skarn mineralisation in a region about 12 km to 15 km east of Cummins.

3 Previous Exploration

Prior exploration within the area covered by EL 3702, included searches for uranium, base metals, and mineral sands. Most drilling was along existing roads, with virtually no exploration holes drilled east of 571200 mE (MGA94 Zone 53). All drilling reported here refers only to holes located within EL 3702.

The region has been considered prospective for sediment hosted uranium in cover units and Pb-Zn-Ag mineralisation in Hutchison Group basement. The advent of sufficiently high-resolution magnetic grids, from the early 1990s allowed identification of targets associated with BIFs in the basement.

Between 1971 and 1976, Le Nickel and Uranerz drilled a total of 17 rotary air/mud holes in their search for sedimentary uranium. No significant intersections were recorded. CRA Exploration drilled a rotary mud hole in 1981 into the Wanilla Formation as part of a program looking for coal and uranium. In 1984, they drilled a RAB hole as part of a program in search of base metals but abandoned this exploration due to difficulties in drilling through Tertiary cover and lack of any anomalous metal content returned in assayed samples. Goldstream Mining drilled a total of 13 aircore and RC holes but returned no significant results for targeted gold or base metals. They also found access to sites restrictive, due to thick scrub and drilling difficult due to thick Tertiary cover.

In late 1989 Southern Venture began a search for mineral sands in hypothesised Tertiary shorelines. Although anomalous ZrO_2 and TiO_2 were present, the lack of reworked marine sands diminished the possibility that minable quantities of mineral sands would be present. Within EL 3702, they drilled 140 RC holes to depths between 5 m and 51 m.

Dominion Mining took transfer of the lease in 1992 and explored for Broken Hill-type Pb-Zn-Ag-Au presumed to be associated with BIFs of the Hutchison Group. They drilled a further 61 RC holes (maximum depth 63 m). The best assays returned were 194 ppm Pb and 451 ppm Zn, only one order of magnitude above average crustal abundances. The highest value returned for Au was 180 ppb.

4 Results

4.1 Geophysics

Gravity data acquired in 2008 (Annual Report 2008) revealed residual anomalies ranging from 1.2 mGal to 2.0 mGal with half-widths of about 250 m to 550 m. Such anomalies can originate from hematite bodies not necessarily associated with

magnetite BIF (Hanneson, 2003). At a depth of 20 m, a hypothetical body, of dimensions 100 m (width) × 50 m (thickness) × 1,000 m (strike), containing 50% hematite (ρ_{hm} = 5 g/cm^3), would produce anomalies, with half-widths of about 150 m, ranging from about 1.3 mGal to 1.5 mGal, for density contrasts ranging from 1.15 g/cm^3 to 1.25 g/cm^3. At a depth of 50 m, the same body would produce anomalies of 0.95 mGal to 1.0 mGal for the same range of density contrasts. For hematite content at 70% and depth of 20 m, the upper limit for anomaly is increased to about 1.85 mGal; for 30% hematite the lower limit is reduced to about 0.85 mGal. Increasing the width of the hypothetical body correspondingly increases the half-width by about the same amount. Decreasing the thickness of the body by no more than about ten percent maintains the amplitudes. Thus, we can expect that anomalies between about 1.0 mGal and 2.0 mGal can be due to hematite, with the proviso that other factors, e.g., relatively low background densities or variations in thickness of cover, can equally contribute to similar anomalies arising from the presence of mafic rocks or carbonates.

4.2 Field investigation

Samples of outcrop were collected for density measurement. Results are summarized in the table below. These data suggest that, as background densities of felsic units are at the lower end of expected values and that depth of weathering may exceed 50 m, background densities are expected to be lower than the standard of 2.67 g/cm^3.

Ground-truthing provided elimination from drill-targeting of areas where outcrop and sub-crop showed that gravity anomalies were due to the presence of mafic rock. Thus, anomalies chosen for targetting are in areas lacking outcrop and where magnetics indicate basement comprised of Hutchison Group.

Sample	Weathering	Density (g/cm^3)
Amphibolite	weathered	1.90 - 2.32
Amphibolite	fresh	2.79 - 2.82
Felsic mylonite	fresh	2.55 - 2.57
Felsic rock	weathered	1.97 - 2.37
Ferricrete-ironstone	weathered	2.15 - 2.48
Granite	fresh	2.52 - 2.56
Monzonite	fresh	2.79 - 2.86

4.3 Modelling and target selection

In the eastern survey area, the origin of residual anomalies is consistent with flat-lying bodies, at depths between 20 m and 50 m and thickness between 20 m and 80 m with cross-sectional widths of 600-800 m. Modelled density contrasts are between 0.7 gm/cm^3 and 1.7 gm/cm^3. Anomalies in the western survey area are more consistent with moderately east-dipping prismatic bodies to tabular at no less than 50 m depth and 500-800 m wide. Modelled density contrasts for the western area are lower, generally about 0.5 gm.cm^3.

4.4 Drilling and assay results

Commencing 14 April 2009 and finishing 27 April 2009, five gravity targets were tested by combined air core and reverse circulation drilling (AC/RC): three in an area 10-12 km north of Yallunda Flat and two about 4.5 km and 7 km due northeast of

Cummins, for total of 31 holes. Another three holes were drilled to test the magnetic anomaly located about 3 km due southwest of Yallunda Flat (Figure 2). Drilling was done along lines at high angle to anomalies, with collars normally about 100 m apart.

No bodies of hematite were intersected, although some amounts of ironstone were recorded in drill chips. It is not clear from the drilling whether the gravity anomalies are primarily due to rocktype or variations in weathering. Amphibolites were encountered over intervals up to about 15 m and the depth of weathering varies from about 10 m to 40 m.

Chips samples selected for assay did not return any anomalous results.

Copies of digital drill logs, assays, and collar locations are given in the Appendix. These, and associated files, have been lodged with PIRSA.

5 Expenditure

Period 1 March 2009 to 28 February 2010

Expenditure

Geology - salaries	52,683.91
Geology - travel, accommodation	1,702.00
Geology - vehicle costs	755.45
Depreciation of equipment	8,027.00
Drill & sampling - o/s contractors	85,982.20
Drill & sampling - salaries	14,202.19
Drill & sampling - materials	380.09
Drill & sampling - travel, acc	266.54
Drill & sampling - consumables	124.91
Drill & sampling - fuel, vehicles	1,868.21
Drill & sampling - freight	80.36
Drilling - compensation	1,200.00
Assays - o/s contractors	1,809.64
Miscellaneous items	3,870.05
Total expenditure for the period	**172,952.55**

6 References

Hanneson, J., 2003. On the use of magnetics and gravity to discriminate between gabbro and iron-rich ore forming systems. *ASEG Extended Abstracts 2003.*

Lincoln Minerals Ltd, 2009. EL3702 (Wanilla) Eyre Peninsula, Second Annual Technical Report for Period 13 February 2008 to 12 February 2009 (unpublished)

APPENDIX

Location of drill collars

H0002	Version	3
H0003	Date_generated	12-May-10
H0004	Reporting_period_end_date	12-Feb-10
H0005	State	SA
H0100	Tenement _no	EL3702
H0101	Tenement_holder	Intermet
H0102	Project_name	Wanilla
H0106	Tenement_operator	Lincoln Minerals
H0150	250K_map_sheet_number	SI 53-11
H0151	100K_map_sheet_number	6028 6029
H0200	Start_date_of_data_acquisition	1-Apr-09
H0201	End_date_of_data_acquisition	30-Apr-09
H0202	Template_format	SL1
H0203	Number_of_data_records_in_this_file	34
H0204	Date_of_metadata_update	12-May-10
H0300	Related_data_filenames	
H0301	Location_data_file	EL3702_2010_A_03_DrillCollars.txt
H0303	Downhole_geochem_data_file	EL3702_2009_A_04_Downholegeochem.txt
H0400	Drill_code	RC;AC
H0401	Drill_contractor	Budd
H0402	Description	RC Reverse circulation AC Aircore
H0500	Feature_type	Hole_collar
H0501	Geodetic_datum	GDA94

H0502	Vertical_datum	GDA94_+_500m						
H0503	Projection	UTM						
H0530	Coordinate_system	Projected						
H0531	Projection_zone	53						
H0532	Surveying_instrument	Handheld GPS						
H1000	Hole_ID	Xcoordinate	Ycoordinate	Maxdepth	Collar_azimuth	Dip	Survey type	Date_drilled
H1001	metres	metres	metres	metres	degrees	degrees		
H1004		20	20	0.2	2	2		
D	CMAC001	577784	6197658	76	0	-90		14/04/2009
D	CMAC002	577973	6197712	52	0	-90		15/04/2009
D	CMAC003	577874	6197687	46	0	-90		15/04/2009
D	CMAC004	581280	6208981	25	0	-90		15/04/2009
D	CMAC005	581200	6208962	25	0	-90		15/04/2009
D	CMAC006	581126	6208990	20	0	-90		16/04/2009
D	CMAC007	581096	6208888	28	0	-90		16/04/2009
D	CMAC008	580999	6208893	40	0	-90		16/04/2009
D	CMAC009	580898	6208903	20	0	-90		16/04/2009
D	CMAC010	580901	6210699	34	0	-90		16/04/2009
D	CMAC011	580804	6210699	58	0	-90		17/04/2009
D	CMAC012	580748	6210696	58	0	-90		17/04/2009
D	CMAC013	580645	6210703	42	0	-90		18/04/2009
D	CMAC014	580552	6210702	43.5	0	-90		18/04/2009
D	CMAC015	580453	6210705	57	0	-90		18/04/2009
D	CMAC016	580415	6210693	59	0	-90		19/04/2009
D	CMAC017	580347	6210688	41	0	-90		19/04/2009
D	CMAC018	581048	6209855	28	0	-90		20/04/2009
D	CMAC019	581150	6209857	40	0	-90		20/04/2009
D	CMAC020	581248	6209858	33	0	-90		20/04/2009

D	CMAC021	581350	6209854	15	0	-90	20/04/2009
D	CMAC022	581451	6209848	28	0	-90	21/04/2009
D	CMAC023	581548	6209855	31	0	-90	21/04/2009
D	CMAC024	581649	6209855	46	0	-90	21/04/2009
D	CMAC025	581750	6209848	16	0	-90	21/04/2009
D	CMAC026	571195	6214112	80	0	-90	22/04/2009
D	CMAC027	571098	6214110	64	0	-90	22/04/2009
D	CMAC028	570999	6214104	32	0	-90	23/04/2009
D	CMAC029	569606	6212473	44	0	-90	24/04/2009
D	CMAC030	569692	6212481	55	0	-90	25/04/2009
D	CMAC031	569798	6212480	36	0	-90	26/04/2009
D	CMAC032	569411	6212481	72	0	-90	26/04/2009
D	CMAC033	569203	6212479	72	0	-90	27/04/2009
D	CMAC034	569102	6212480	30	0	-90	27/04/2009

EOF

Lithological drill logs

H0002	Version	3			
H0003	Date_generated	12-May-10			
H0004	Reporting_period_end_date	12-Feb-10			
H0005	State	SA			
H0100	Tenement _no	EL3702			
H0101	Tenement_holder	Intermet Resources			
H0102	Project_name	Wanilla			
H0106	Tenement_operator	Lincoln Minerals			
H0200	Start_date_of_data_acquisition	1-Apr-09			
H0201	End_date_of_data_acquisition	30-Apr-09			
H0202	Template_format	DL1			
H0203	Number_of_data_records_in_this_file	266			
H0204	Date_of_metadata_update	12-May-10			
H0301	Location_data_file	EL3702_2010_A_03_Drillcollars.txt			
H0303	Downhole_lithology_data_file	EL3702_2010_A_05_Downholelithology.txt			
H0307	Lithology_code_file	EL3702_2010_A_06_Lithologycodes.txt			
H0400	Drill _code	RC AC			
H0402	Description	RC Reverse Circulation, AC Aircore			
H1000	Hole_ID	Depfrom	Depto	Drill_code	Lithology
H1001		metres	metres		
H1004		0.1	0.1		
D	CMAC001	0	8	RC	BIF
D	CMAC001	8	13	RC	AMP
D	CMAC001	13	31	RC	CLY
D	CMAC001	31	44	RC	QTZ
D	CMAC001	44	55	RC	AMP
D	CMAC001	55	62	RC	GNS
D	CMAC001	62	76	RC	AMP

D	CMAC002	0	9	RC	SPLT
D	CMAC002	9	40	RC	SPLT
D	CMAC002	40	52	RC	GRT
D	CMAC003	0	8	RC	CLY
D	CMAC003	8	10	RC	CLY
D	CMAC003	10	12	RC	IRST
D	CMAC003	12	24	RC	SPLT
D	CMAC003	24	34	RC	AMP
D	CMAC003	34	35	RC	PEG
D	CMAC003	35	42	RC	AMP
D	CMAC003	42	44	RC	QZ
D	CMAC003	44	46	RC	AMP
D	CMAC004	0	1	AC	CLY
D	CMAC004	1	7	AC	CLY
D	CMAC004	7	9	AC	CLY
D	CMAC004	9	11	AC	CLY
D	CMAC004	11	25	AC	GRD
D	CMAC005	0	17	AC	CLY
D	CMAC005	17	19	AC	GRD
D	CMAC005	19	20	AC	SPLT
D	CMAC005	20	21	AC	GRD
D	CMAC006	0	2	AC	CLY
D	CMAC006	2	8	AC	CLY
D	CMAC006	8	14	AC	CLY
D	CMAC006	14	20	AC	GRD
D	CMAC007	0	2	AC	CLY
D	CMAC007	2	5	AC	CLY
D	CMAC007	5	17	AC	CLY

D	CMAC007	17	19	AC	QZ
D	CMAC007	19	23	AC	GRD
D	CMAC007	23	27	AC	PEG
D	CMAC007	27	28	AC	GRD
D	CMAC008	0	2	AC	CAL
D	CMAC008	2	23	AC	CLY
D	CMAC008	23	25	AC	GRT
D	CMAC008	25	28	AC	GRD
D	CMAC008	28	40	AC	GRD
D	CMAC009	0	1	AC	CLY
D	CMAC009	1	16	AC	CLY
D	CMAC009	16	20	AC	GRD
D	CMAC010	0	2	AC	CLY
D	CMAC010	2	10	AC	CLY
D	CMAC010	10	12	AC	SND
D	CMAC010	12	15	AC	CLY
D	CMAC010	15	17	AC	CLY
D	CMAC010	17	18	AC	CLY
D	CMAC010	18	28	AC	CLY
D	CMAC010	28	31	AC	GRD
D	CMAC010	31	34	AC	GRD
D	CMAC011	0	1	AC	SOIL
D	CMAC011	1	3	AC	CLY
D	CMAC011	3	19	AC	CLY
D	CMAC011	19	20	AC	CLY
D	CMAC011	20	26	AC	CLY
D	CMAC011	26	49	RC	GRT
D	CMAC011	49	58	RC	GRT

D	CMAC012	0	1	AC	SOIL
D	CMAC012	1	3	AC	CAL
D	CMAC012	3	7	AC	CLY
D	CMAC012	7	8	AC	CLY
D	CMAC012	8	16	AC	CLY
D	CMAC012	16	20	AC	CLY
D	CMAC012	20	27	RC	GRD
D	CMAC012	27	31	RC	GRT
D	CMAC012	31	34	RC	GRD
D	CMAC012	34	37	RC	GRT
D	CMAC012	37	58	RC	GRD
D	CMAC013	0	1	AC	SOIL
D	CMAC013	1	3	AC	CLY
D	CMAC013	3	5	AC	CLY
D	CMAC013	5	17	AC	CLY
D	CMAC013	17	18	AC	IRST
D	CMAC013	18	19	AC	CLY
D	CMAC013	19	27	AC	CLY
D	CMAC013	27	32	AC	CLY
D	CMAC013	32	40	AC	SPLT
D	CMAC013	40	41.5	AC	GRD
D	CMAC014	0	2	AC	CAL
D	CMAC014	2	3	AC	CLY
D	CMAC014	3	5	AC	IRST
D	CMAC014	5	6	AC	CLY
D	CMAC014	6	8	AC	CLY
D	CMAC014	8	17	AC	SND
D	CMAC014	17	20	AC	SND

D	CMAC014	20	22	AC	SND
D	CMAC014	22	25	AC	CLY
D	CMAC014	25	40	AC	CLY
D	CMAC014	40	44	AC	GRD
D	CMAC015	0	3	AC	CAL
D	CMAC015	3	5	AC	FEP
D	CMAC015	5	19	AC	SST
D	CMAC015	19	21	AC	SND
D	CMAC015	21	22	AC	SST
D	CMAC015	22	28	AC	CLY
D	CMAC015	28	37	AC	CLY
D	CMAC015	37	38	AC	CLY
D	CMAC015	38	46	AC	SPLT
D	CMAC015	46	57	AC	SPLT
D	CMAC016	0	1	AC	SOIL
D	CMAC016	1	3	AC	CLY
D	CMAC016	3	4	AC	CLY
D	CMAC016	4	6	AC	SST
D	CMAC016	6	18	AC	SND
D	CMAC016	18	23	AC	SND
D	CMAC016	23	28	AC	CLY
D	CMAC016	28	46	AC	CLY
D	CMAC016	46	47	AC	SPLT
D	CMAC016	47	53	AC	CLY
D	CMAC016	53	55	AC	CLY
D	CMAC016	55	58	AC	CLY
D	CMAC016	58	59	AC	GRD
D	CMAC017	0	1	AC	SOIL

D	CMAC017	1	3	AC	CLY
D	CMAC017	3	4	AC	CLY
D	CMAC017	4	10	AC	SST
D	CMAC017	10	19	AC	SND
D	CMAC017	19	23	AC	SND
D	CMAC017	23	25	AC	CLY
D	CMAC017	25	40	AC	CLY
D	CMAC017	40	41	AC	GRD
D	CMAC018	0	1	AC	SOIL
D	CMAC018	1	3	AC	SND
D	CMAC018	3	5	AC	CLY
D	CMAC018	5	7	AC	CLY
D	CMAC018	7	15	AC	CLY
D	CMAC018	15	28	AC	GRD
D	CMAC019	0	1	AC	SOIL
D	CMAC019	1	2	AC	CLY
D	CMAC019	2	4	AC	CLY
D	CMAC019	4	6	AC	SST
D	CMAC019	6	16	AC	CLY
D	CMAC019	16	23	AC	CLY
D	CMAC019	23	26	AC	CLY
D	CMAC019	26	29	AC	SPLT
D	CMAC019	29	35	AC	GNS
D	CMAC019	35	40	AC	GRD
D	CMAC020	0	1	AC	SOIL
D	CMAC020	1	6	AC	IRST
D	CMAC020	6	8	AC	SST
D	CMAC020	8	26	AC	CLY

D	CMAC020	26	30	AC	CLY
D	CMAC020	30	33	AC	GRT
D	CMAC021	0	1	AC	SOIL
D	CMAC021	1	2	AC	CLY
D	CMAC021	2	4	AC	IRST
D	CMAC021	4	6	AC	CLY
D	CMAC021	6	10	AC	IRST
D	CMAC021	10	13	AC	CLY
D	CMAC021	13	14	AC	CLY
D	CMAC021	14	15	AC	SPLT
D	CMAC021	15	16	AC	GRT
D	CMAC022	0	2	AC	CAL
D	CMAC022	2	3	AC	CLY
D	CMAC022	3	28	RC	GRD
D	CMAC023	0	2	AC	CAL
D	CMAC023	2	7	RC	GRD
D	CMAC023	7	8	RC	PEG
D	CMAC023	8	24	RC	GRD
D	CMAC023	24	25	RC	GRT
D	CMAC023	25	31	RC	GRD
D	CMAC024	0	1	AC	SOIL
D	CMAC024	1	6	AC	QZ
D	CMAC024	6	8	AC	CLY
D	CMAC024	8	10	AC	CLY
D	CMAC024	10	19	AC	SPLT
D	CMAC024	19	26	AC	SPLT
D	CMAC024	26	27	AC	SPLT
D	CMAC024	27	39	AC	MYL

D	CMAC024	39	46	AC	CLY
D	CMAC025	0	3	AC	CLY
D	CMAC025	3	6	AC	GRT
D	CMAC025	6	16	AC	GRT
D	CMAC026	0	1	AC	SOIL
D	CMAC026	1	4	AC	CLY
D	CMAC026	4	10	AC	SST
D	CMAC026	10	14	AC	CLY
D	CMAC026	14	21	AC	SST
D	CMAC026	21	22	AC	CLY
D	CMAC026	22	24	AC	CLY
D	CMAC026	24	42	AC	CLY
D	CMAC026	42	46	AC	SCH
D	CMAC026	46	51	AC	CLY
D	CMAC026	51	54	AC	SCH
D	CMAC026	54	64	RC	AMP
D	CMAC026	64	80	RC	DLT
D	CMAC027	0	1	AC	SOIL
D	CMAC027	1	2	AC	CAL
D	CMAC027	2	5	AC	CLY
D	CMAC027	5	16	AC	SST
D	CMAC027	16	19	AC	FER
D	CMAC027	19	33	AC	CLY
D	CMAC027	33	62	AC	SCH
D	CMAC027	62	72	AC	AMP
D	CMAC028	0	1	AC	SOIL
D	CMAC028	1	2	AC	CAL
D	CMAC028	2	4	AC	CLY

D	CMAC028	4	7	AC	IRST
D	CMAC028	7	9	AC	SST
D	CMAC028	9	25	AC	SND
D	CMAC028	25	26	AC	CLY
D	CMAC028	26	29	AC	SPLT
D	CMAC028	29	32	AC	MDS
D	CMAC029	0	1	AC	SOIL
D	CMAC029	1	2	AC	CAL
D	CMAC029	2	6	AC	CLY
D	CMAC029	6	9	AC	CLY
D	CMAC029	9	11	AC	IRST
D	CMAC029	11	13	AC	SND
D	CMAC029	13	24	AC	SND
D	CMAC029	24	29	AC	CLY
D	CMAC029	29	34	AC	SPLT
D	CMAC029	34	43	AC	TOUM
D	CMAC029	43	44	AC	AMP
D	CMAC030	0	1	AC	SOIL
D	CMAC030	1	3	AC	CAL
D	CMAC030	3	6	AC	CLY
D	CMAC030	6	7	AC	CLY
D	CMAC030	7	11	AC	IRST
D	CMAC030	11	23	AC	SND
D	CMAC030	23	25	AC	CLY
D	CMAC030	25	29	AC	CLS
D	CMAC030	29	40	AC	SCH
D	CMAC030	40	51	AC	SCH
D	CMAC030	51	55	AC	AMP

D	CMAC031	0	2	AC	SOIL
D	CMAC031	2	5	AC	CLY
D	CMAC031	5	10	AC	CLY
D	CMAC031	10	11	AC	SST
D	CMAC031	11	23	AC	SND
D	CMAC031	23	30	AC	CLY
D	CMAC031	30	36	AC	SCH
D	CMAC032	0	1	AC	SOIL
D	CMAC032	1	3	AC	CLY
D	CMAC032	3	9	AC	CLY
D	CMAC032	9	12	AC	SST
D	CMAC032	12	27	AC	SND
D	CMAC032	27	31	AC	QZ
D	CMAC032	31	37	AC	SND
D	CMAC032	37	41	AC	SPLT
D	CMAC032	41	53	AC	CLY
D	CMAC032	53	59	AC	CLY
D	CMAC032	59	68	AC	SCH
D	CMAC032	68	72	AC	SCH
D	CMAC033	0	12	AC	CLY
D	CMAC033	12	25	AC	SND
D	CMAC033	25	29	AC	QZ
D	CMAC033	29	34	AC	SND
D	CMAC033	34	45	AC	LIG
D	CMAC033	45	48	AC	QZ
D	CMAC033	48	59	AC	CLY
D	CMAC033	59	63	AC	CLY
D	CMAC033	63	72	AC	QZ

D	CMAC034	0	6	AC	CLY
D	CMAC034	6	8	AC	CLY
D	CMAC034	8	10	AC	IRST
D	CMAC034	10	11	AC	SST
D	CMAC034	11	21	AC	SND
D	CMAC034	21	23	AC	SST
D	CMAC034	23	30	AC	SND

EOF

Assay results

Hole_ID	Depfrom metres	Depto metres	Au-TL43 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 As ppm	ME-ICP41 Bi ppm	ME-ICP41 Co ppm	ME-ICP41 Cu ppm	ME-ICP41 Mo ppm	ME-ICP41 Ni ppm	ME-ICP41 Pb ppm	ME-ICP41 Th ppm	ME-ICP41 U ppm	ME-ICP41 Zn ppm
CMAC008	0	2	0.008	<0.2	8	<2	2	4	2	5	15	50	<10	11
CMAC008	2	4	0.004	<0.2	<2	<2	<1	2	1	2	18	40	<10	5
CMAC008	4	6	0.003	<0.2	3	<2	<1	4	1	3	16	20	<10	3
CMAC008	6	8	0.003	<0.2	<2	<2	<1	1	<1	1	15	30	<10	<2
CMAC008	8	10	0.002	<0.2	2	<2	<1	2	1	1	8	20	<10	<2
CMAC008	10	12	0.001	<0.2	3	<2	<1	3	1	3	11	20	<10	2
CMAC008	12	14	0.003	<0.2	2	<2	<1	3	<1	3	44	<20	<10	4
CMAC008	14	16	0.002	<0.2	<2	<2	<1	2	<1	2	16	<20	<10	4
CMAC008	16	18	0.001	<0.2	<2	<2	<1	3	1	2	12	<20	<10	2
CMAC008	18	20	0.001	<0.2	<2	<2	<1	3	1	2	9	<20	<10	5
CMAC008	20	22	0.002	<0.2	2	<2	6	22	1	10	14	40	<10	113
CMAC008	22	24	0.001	<0.2	<2	<2	1	7	1	4	11	20	<10	22
CMAC008	24	26	0.001	<0.2	3	<2	3	9	1	6	6	40	<10	57
CMAC008	26	28	<0.001	<0.2	<2	<2	7	12	1	9	8	30	<10	79
CMAC008	28	30	0.001	<0.2	<2	<2	15	17	2	23	12	30	<10	116
CMAC008	30	32	<0.001	<0.2	<2	<2	16	18	1	24	11	40	<10	117
CMAC008	32	34	0.001	<0.2	4	<2	16	11	2	24	12	40	<10	111
CMAC008	34	36	0.001	<0.2	<2	<2	17	19	2	26	11	30	<10	117
CMAC008	36	38	0.001	<0.2	5	<2	17	20	1	27	10	30	<10	113
CMAC008	38	40	0.001	<0.2	<2	<2	12	14	1	17	11	40	<10	97
CMAC002	50	52	0.002	<0.2	<2	<2	4	11	2	7	17	60	<10	59
CMAC003	33	35	0.005	<0.2	<2	<2	9	10	1	18	18	<20	10	73
CMAC003	42	44	0.004	<0.2	3	<2	6	41	13	15	8	<20	<10	47

CMAC003	44	46	0.003	<0.2		5	<2		19	508		15	95	9	<20			10	217
CMAC006	18	20	0.001	<0.2	<2		<2		15	17		2	23	9		30	<10		122
CMAC007	16	18	0.001	<0.2		2	<2		1	3		1	3	11		20	<10		9
CMAC007	18	20																	
CMAC007	20	22	0.001	<0.2		2	<2		16	22		1	25	10		40	<10		135
CMAC007	22	24	<0.001	<0.2		5	<2		8	9		1	12	9		30	<10		68
CMAC007	24	26	<0.001	<0.2	<2		<2		3	8		1	6	9	<20		<10		33
CMAC007	26	28	<0.001	<0.2	<2		<2		10	13		1	17	10		20	<10		93
CMAC014	40	42	<0.001	<0.2	<2		<2		15	17		2	19	13		60	<10		315
CMAC014	42	44	0.001	<0.2	<2		<2		16	17		1	17	9		50	<10		139
CMAC015	24	26	<0.001	<0.2	<2		<2		1	9		2	3	167		50	<10		7
CMAC015	26	28	0.002	<0.2		2	<2		1	6		1	2	93		50	<10		9
CMAC015	28	30	0.002	<0.2	<2		<2		6	25		1	7	43		50	<10		141
CMAC015	30	32	0.003	<0.2		2	<2		14	35		2	15	47		40	<10		156
CMAC015	32	34	0.003	<0.2		2	<2		12	34		1	12	25		40	<10		99
CMAC015	34	36	0.003	<0.2	<2		<2		11	32		1	13	19		40	<10		139
CMAC015	36	38	0.002	<0.2	<2			2	13	18		2	16	11		30	<10		46
CMAC015	38	40	0.002	<0.2	<2		<2		9	16		1	12	16		50	<10		72
CMAC015	40	42	0.002	<0.2	<2			2	11	16		1	13	12		30	<10		64
CMAC015	42	44	0.002	<0.2	<2		<2		7	25		2	9	10		40	<10		84
CMAC015	44	46	0.002	<0.2	<2		<2		7	15		2	12	10		50	<10		66
CMAC015	46	48	0.001	<0.2	<2			2	29	11		2	63	16		280	<10		64
CMAC015	48	50	0.002	<0.2	<2		<2		7	6		1	10	8		70	<10		77
CMAC015	50	52	0.002	<0.2	<2		<2		12	5	<1		16	9		80	<10		98
CMAC015	52	54	0.001	<0.2		2	<2		8	7		1	11	11		40	<10		92
CMAC015	54	56	0.002	<0.2	<2		<2		12	15		3	15	16		50	<10		206
CMAC015	56	57	0.002	<0.2	<2		<2		15	16		3	21	19		70	<10		204
CMAC017	24	26	0.004	0.2	<2		<2		2	13		3	3	24		50	<10		11

CMAC017	26	28	0.003	<0.2		2	<2		11	16	3	9	42	70	<10	61
CMAC017	28	30	0.003	<0.2	<2		<2		20	9	3	15	22	50	<10	111
CMAC017	30	32	0.002	<0.2		2	<2		30	6	5	24	23	60	<10	435
CMAC017	32	34	0.003	<0.2		2		2	24	19	3	20	12	40	<10	235
CMAC017	34	36	0.004	<0.2	<2		<2		7	15	1	7	11	50	<10	138
CMAC017	36	38	0.003	<0.2	<2		<2		6	13	1	6	13	50	<10	123
CMAC017	38	40	0.004	<0.2		2	<2		8	17	1	9	14	60	<10	130
CMAC017	40	41	0.001	<0.2	<2		<2		14	11	1	12	17	90	<10	134

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