

# Open File Envelope

## No. 11,612

**EL 3634**

**PARAKYLIA**

### **ANNUAL REPORTS TO LICENCE EXPIRY/SURRENDER FOR THE PERIOD 9/10/2006 TO 8/10/2008**

Submitted by  
WCP Resources Ltd  
2008

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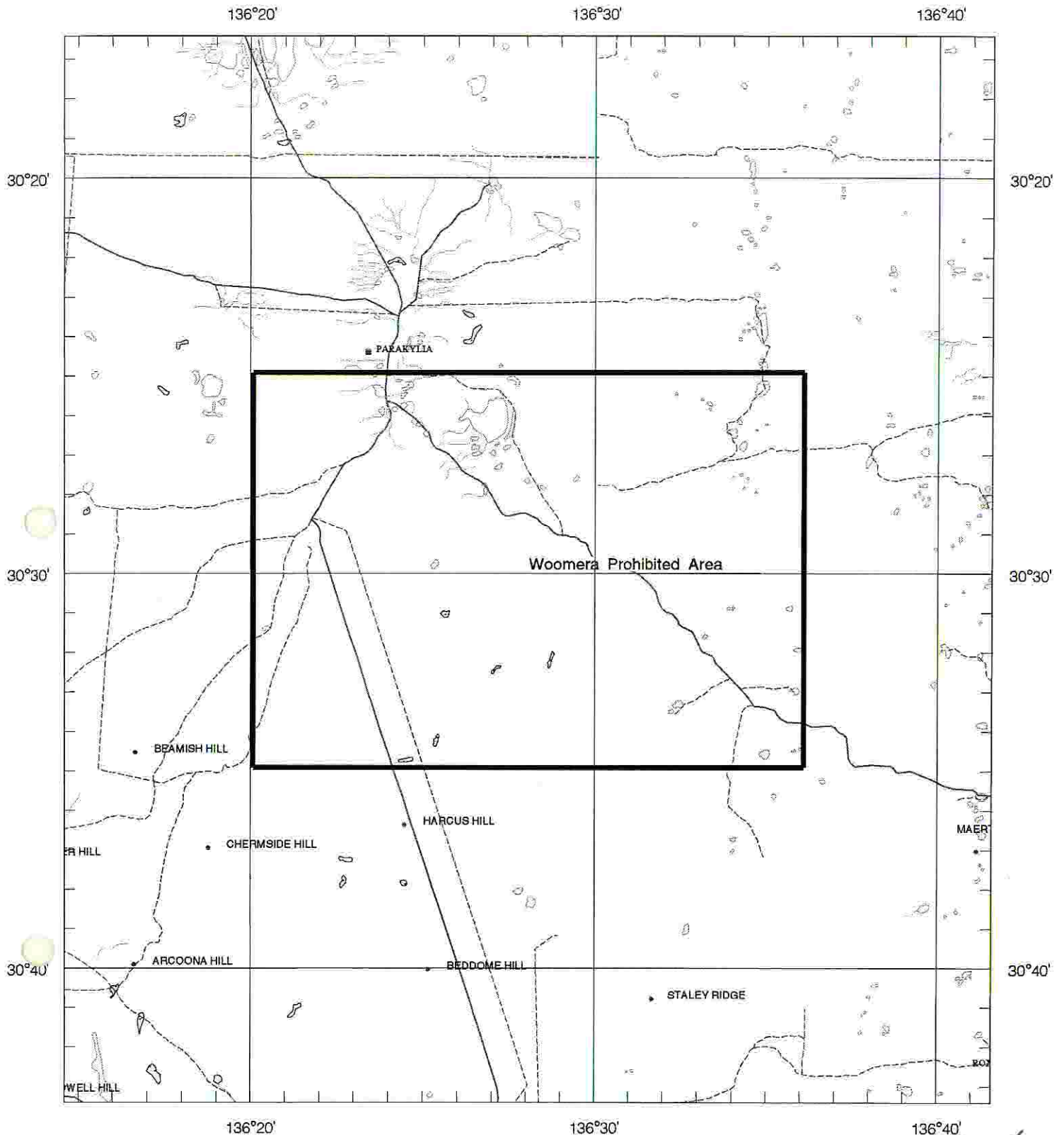
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**Government of South Australia**  
**Primary Industries and Resources SA**

# SCHEDULE A



SCALE 1: 250 000  
KILOMETRES 5 0 5 10 15 20 25 KILOMETRES  
LICENCE GRANTED IN : DATUM AGD66



**APPLICANT : TASMAN RESOURCES NL**

**FILE REF : 131/06**

**TYPE : MINERAL ONLY**

**AREA : 473 km<sup>2</sup> (approx.)**

**1:250000 MAPSHEETS : KINGOONYA ANDAMOOKA**

**LOCALITY : PARAKYLIA AREA - Approximately 90 km NNW of Woomera**

**DATE GRANTED : 09-Oct-2006**

**DATE EXPIRED : 08-Oct-2007**

**EL NO : 3634**

*EXPIRED*

# **WCP Resources Ltd**

ACN 002 664 495

## **Joint Annual Technical Report**

### **Lake Torrens Project**

#### **Parakylia Area**

**for**

#### **Exploration Licence**

**3634**

**For the Period Ending October 8, 2007**

**HELD BY:** Tasman Resources NL

**MANAGER and OPERATOR:** WCP Resources Ltd

**AUTHOR:** M J Gordon

**DUE DATE FOR SUBMISSION:** EL3634 – 8/12/2007

**MAP SHEETS:** 1:250,000: SH/53-11 Kingoona  
SH/53-12 Andamooka

**GEOGRAPHIC COORDS** Min East: 662000mE Max East: 810000mE  
Min North: **6628000mN** Max North: **6758000mN**

Datum: AGD84 Zone: 53

**COMMODITY(s):** Copper, Gold, Zinc, Lead, Uranium

**KEY WORDS:** Andamooka, Cambrian, Curdimurka, Gravity Surveying, IOCG,  
Mesoproterozoic, Neoproterozoic, Stuart Shelf, Thrust.

Distribution:

Tasman Resources NL

WCP Resources Ltd

Primary Industries and Resources SA

February 2008

## **ABSTRACT**

The Lake Torrens Project comprises a series of tenements located in central South Australia near Lake Torrens. WCP Resources Ltd have entered into a Joint Venture with Tasman resources NL, the tenement holders, to explore within the MesoProterozoic and older Gawler Range Volcanics basement units. The primary target style is Iron Oxide Copper Gold (IOCG) systems, similar to those located at nearby Olympic Dam and Prominent Hill.

During late October 2008 WCP undertook a detailed helicopter supported gravity programme over three tenements, 3261, 3449 and 3634 on the western side of the project area. The results of this work are currently being interpreted.

The table below summarises the work carried out.

| <b>Activities</b>                                             | <b>Details</b>                                                                                                                                                      |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Helicopter supported gravity surveying, 1km x 1km grid</b> | <b>EL3449 – 49 points</b><br><b>EL3261 – 216 points</b><br><b>EL3634 – 576 points</b><br><b>Base – 20 readings</b><br><br><b>Interpretation currently under way</b> |

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## **Lake Torrens Project Joint Venture**

### **Annual Technical Report for**

### **EL 3634**

## **1 INTRODUCTION**

The Lake Torrens Project comprises a group of tenements located in central South Australia covering an area between Lake Torrens and Lake Eyre South. The majority of the tenements are held under an Amalgamated Expenditure Agreement, with the exception of EL's 3261, 3449 and 3634.

WCP Resources Limited (WCP) has entered into a Joint Venture with Tasman Resources NL (Tasman) over ten exploration licences that include the three licences in this report as well as seven licences within an Amalgamated Expenditure Agreement (AEA), with exploration rights over the basement units. These are considered prospective for Proterozoic Iron Oxide Copper Gold (IOCG) deposits, similar in style to the nearby Olympic Dam and Prominent Hill Deposits. Tasman has retained exploration rights over Neoproterozoic and younger cover units.

In the period under review WCP has carried out a detailed gravity survey over the non-AEA tenements, however this data is yet to be interpreted.

The Location and Exploration Index Map (Figure 1) shows tenement boundaries, the location of areas where various exploration activities were undertaken.

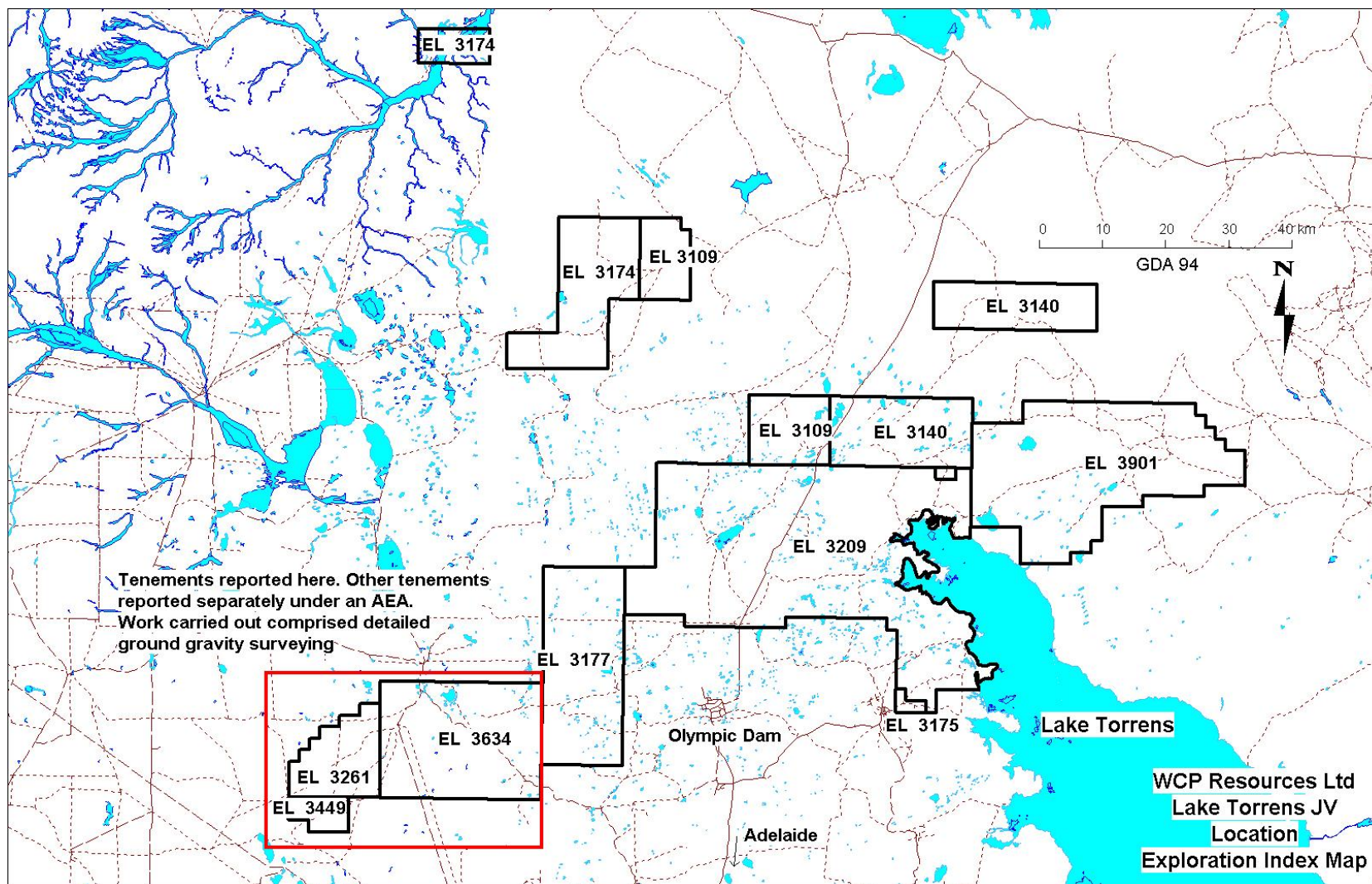


Figure 1: Exploration Index Map

## 2 LOCATION AND ACCESS

The Lake Torrens Project is located in the northern pastoral district of South Australia, between Lake Torrens in the south and Lake Eyre South to the north. The project area at the time of reporting extended 165km north-south and 145km east-west (Figure 1).

The township of Roxby Downs is located 18km outside the south-western margin of the project, with Adelaide 550km to the south. The area is easily accessed via the bitumen road between Port Augusta and Roxby Downs, but within the project area access is primarily by the dry weather WMC borefield road and by station tracks.

## 3 TENEMENT DETAILS

The Lake Torrens Project is 100% owned by Tasman and comprises a group of tenements located in central South Australia covering an area between Lake Torrens and Lake Eyre South.

Tasman has an Amalgamated Expenditure Agreement covering ten of the Lake Torrens Project tenements, with three not included within the AEA.

In December 2006 WCP entered into a joint venture with Tasman over seven of the tenements covered by the Amalgamated Expenditure Agreement, in addition to three tenements covered under separate technical reports, earning up to 65% of the tenements. Under the terms of the JV WCP have rights to exploration over the Mesoproterozoic and older basement units, with Tasman retaining rights over the Neoproterozoic and younger cover sequences

Tenement locations and principal access routes are shown in Figure 1 and JV tenement details are listed in Table 1.

**Table 1: Lake Torrens Project JV Tenement Summary – non-AEA**

| Current EL Number | Locality     | Area km <sup>2</sup> | Date EL Granted | EL Expiry Date | Annual Rents | Minimum Annual Expenditure Commitment |
|-------------------|--------------|----------------------|-----------------|----------------|--------------|---------------------------------------|
| 3261              | Harcus Hill  | 160                  | 14/10/2004      | 13/10/2007     | \$ 728.00    | \$50,000                              |
| 3449              | Gambier Hill | 47                   | 15/11/2005      | 14/11/2007     | \$ 213.85    | \$35,000                              |
| 3634              | Parakylia    | 473                  | 9/10/2006       | 8/10/2007      | \$ 2152.15   | \$80,000                              |

## 4 PREVIOUS EXPLORATION

### 4.1 EXPLORATION COMPLETED BY COMPANIES PRIOR TO TASMAN RESOURCES

Because Quaternary and Mesozoic sediments cover most of the Lake Torrens Project area, it has received little exploration attention, especially in comparison to the adjacent Willouran Ranges, which have been intensively explored for stratiform copper (Rowlands et al., 1978; Krieg et al, 1992). Other exploration programs in ground currently held by Tasman were targeted for a variety of commodities including diamonds, coal, base metals and or precious metals (Olympic Dam, MVT and stratiform copper styles), trona and celestite (Krieg et al, 1992). Work carried out over EL's 3261, 3449 and 3634 included limited rotary drilling by Dampier Mining Ltd in the 1970's as a part of a phosphate exploration programme.

Most of these projects did not lead to drilling and the main drilling programs, as derived from the compilation in the Stuart Shelf Data Package 8 from the Geological Survey of South Australia (2000), are listed in Table 2. The following comments on the drilling programs referred to in Table 4 also draw on this data package.

The holes drilled by Asarco (Australia) Pty Ltd. were at the Peninsula Prospect, a near-surface malachite occurrence within EL 3209. Asarco's holes returned best results of 0.43% Cu (Hole AND/RP 3, from 0 to 6.1m), 0.17% Pb (Hole AND/RP 10, from 3.05 to 6.1m), and 0.04% Zn (Hole AND/RP 4, from 1.22 to 3.05m). Most of the better results were close to the surface. Although Asarco abandoned the project, the potential for MVT style mineralisation was demonstrated and has been confirmed in nearby areas by subsequent sampling by Phelps Dodge (Rutherford, 1997) and Tasman.

**Table 2: Previous Drilling Programs in the Lake Torrens Project Area.**

| Year      | Company                         | Target      | No. holes | Max. depth |
|-----------|---------------------------------|-------------|-----------|------------|
| 1970      | Asarco (Australia) Pty Ltd.     | Pb-Zn       | 12        | 79.3m      |
| 1976      | Endeavour Oil Co NL.            | Coal        | 3         | 86.9m      |
| 1977      | S.A. Mines Dept.                | Opal        | 15        | 20.9m      |
| 1978-1985 | Western Mining Corporation Ltd. | Cu-Au-U     | 7         | 1,037.0m   |
| 1979      | Amoco Minerals Australia Co.    | U           | 2         | 20.0m      |
| 1979-1981 | Amoco Minerals Australia Co.    | Cu-U        | 1         | 1450.2m    |
| 1986-1988 | ETSA                            | Coal        | 21        | 90.0m      |
| 1996-1997 | Phelps Dodge Australasia, Inc.  | Cu-Au-U-REE | 2         | 890.6m     |

Endeavour Oil's coal exploration holes are located in the northern half of the project area within ELs 2772, 3123 and 3140. They were widely spaced at approximately 30 km and provided useful stratigraphic information but were not assayed. Similarly, no assay results were reported for the shallow opal exploration holes at the Stuart Creek opal field 30 km west of Mulgaria Homestead. Most of these holes terminated in Cretaceous sediments, two holes however were reported to have intersected Adelaidean sediments at 13.6m and 6.19m.

Following the discovery in 1976 of the Olympic Dam orebody by Western Mining Corporation Ltd. ("WMC"), several deep diamond drilling programs were carried out, generally targeting magnetic and/or gravity anomalies (Cross et al., 1993). Several of these holes were drilled in the area currently held by Tasman as EL 3209. In 1981 WMC drilled three holes in the north-western corner of EL 3209 (BD1, BD2 and SHD1) on coincident gravity and magnetic highs located approximately 35 km to 40 km north of the Olympic Dam orebody. Some details of the drill holes are shown in Table 5. Basement rocks in hole BD1 were described as medium-coarse grained arkose with magnetite, quartz and chlorite alteration, and porphyritic felsic dyke. Widespread but low grade copper mineralisation was intersected between 608 m to 941 m; this interval of 333 m had an average assay grade of 0.1% Cu. The basement rocks in hole BD2 were described as partly foliated amphibolite, metasediments (possibly volcanogenic), and mafic volcanic rocks. In hole SHD1 the basement rocks were described as fine-grained, weakly foliated granitic gneiss, leucocratic pegmatitic granite, biotite schist, and breccia.

WMC also drilled four deep diamond drill holes between Andamooka and Lake Torrens. These holes were also targeting a gravity high in a regional magnetic high. Mesoproterozoic basement intersected in hole BLD1 was described as mainly brecciated and altered gabbro with some magnetite. Hole BLD2 intersected brecciated and massive granite, with zones of disseminated hematite and magnetite. Hole BLD3 intersected gabbro, fine grained granitoid and fine grained dolerite. Basement was not reached in hole BLD4, it terminated in Adelaidean sediments.

**Table 3: Details of WMC drill holes within EL 3209.**

| Drill hole | Depth to basement | Hole depth | Best intersection                                 |
|------------|-------------------|------------|---------------------------------------------------|
| BD1        | 607.6 m           | 941.0 m    | 5m at 0.22% Cu between 828 m to 838 m             |
| BD2        | 657.4 m           | 829.4 m    | 2m at 0.33% Cu between 767 m and 769 m            |
| SHD1       | 829.6 m           | 965.0 m    | No anomalous assays                               |
| BLD1       | 522.8 m           | 768.0 m    | 2m at 0.062% Cu between 693 m and 695 m           |
| BLD2       | 696.7 m           | 860.2 m    | No anomalous assays                               |
| BLD3       | 872.0 m           | 1024.0 m   | 13.67 m at 0.17% Cu between 858.0 m and 871.67 m. |
| BLD4       | -                 | 1037.0 m   | Did not reach basement                            |

In 1981 Amoco Minerals Australia Co. drilled hole SCYW-79 1A approximately 45 km northeast of Olympic Dam. It failed to reach basement and ended at 1450.20 in tillite and quartzo-feldspathic sandstone of the lower part of the Umberatana Group (Adelaidean). Sited to intersect the interpreted down dip of a regional gravity high, the hole failed to reach basement and ended at 1450m in Sturtian glacials of the lower part of the Umberatana Group (Adelaidean). The gravity survey was poorly controlled and the source of the gravity high remained unresolved.

By 1982, Central Coast Exploration had resolved that the prominent regional gravity high at Bopeechee had little affinity with that coincident magnetic source observed at Olympic Dam. Extensive mapping, structural photo-analysis and infill gravity coverage indicated that the source of the gravity anomaly could be the product of uplifted, dense crystalline basement. No drilling was undertaken to confirm this interpretation. And the opportunity of sulphide mineralisation was never tested with electrical surveys.

During 1986 and 1988 the Electricity Trust of South Australia ("ETSA") drilled a series of coal exploration holes that were aligned along a broad traverse, 65 km long and east-west trending. The traverse passes through the northern portion of EL 2989 and the southern portion of EL 3140. Nine of the 21 holes ended in probable Adelaidean rocks, the rest ended in the overlying Bulldog Shale or Algebuckina Sandstone. No assays are reported.

In 1996 Phelps Dodge Australasia, Inc commenced work on an area almost identical to Tasman's EL 3209 for Olympic Dam style targets at depths less than 800m. The following comments are derived from Rutherford (1997, 1998). Most work was completed to the northeast of Andamooka over a large gravity high. The work included collecting 1,269 samples for selective extraction analysis, detailed gravity surveys and 2 diamond drill holes. The geochemical sampling defined two multi-element anomalies, Big Red and Big Blue. The Big Red anomaly (which is centred a few kilometres southwest of Tasman's Peninsula prospect) is a 4 km long by 1.2 km wide zone of anomalous Cu, spotty Au, Pd, Ba, Se and rare high Mo values. The anomaly occurs in soil over subcropping Andamooka Limestone. Patches and veinlets of malachite were noted. The Big Blue anomaly, located between Big Red and Andamooka, is a 2.4 km long by 300 m wide zone of anomalous Ag, Mo, Pd, Au and Se. Both anomalies were interpreted to be related to a regional unconformity between the Cambrian limestone and the overlying Cretaceous sediments. Hole BRD1 was drilled below the Big Red anomaly and reached Mesoproterozoic basement at 797.53 m depth and ended at 890.6 m. The basement rocks were described as biotite granite, trace carbonate-chlorite-hematite-pyrite, quartz and hematite veining, and granite breccia similar to that occurring in the Olympic Dam deposit. No significant mineralisation was intersected. Hole BRD2 was drilled below the Big Blue anomaly and intersected unmineralised noritic to gabbroic basement rocks from 424.4 m to the end of the hole at 522.5 m.

## 4.2 PREVIOUS EXPLORATION COMPLETED BY TASMAN

As a result of fieldwork conducted since 1996, Tasman has progressively accumulated a substantial geochemical database and a detailed on-ground knowledge of the Lake Torrens Project.

Aeromagnetic and induced polarisation geophysical data have been obtained, either by Tasman directly or from other entities, to assist with the sampling programs. Details are provided in Bryce (2003) and Gray (1997 a,b,c). Tasman had also drilled four holes into the Marathon Deposit and eight into the Titan prospect prior to entering into the JV with WCP Resources, for which details are included in previous statutory reports for the AEA.

The drilling at Titan, following up previous work by WMC, intersected variably altered and mineralised basement units. A number of holes intersected anomalous copper mineralisation associated with the basement units, which were considered encouraging and supported the WMC work. Assay results from Marathon were less encouraging, although the alteration intersected did indicate a significant alteration system worthy of further work.

Details of the Tasman holes and anomalous assays are presented in Table 4 below.

**Table 4: Details of Tasman Drill Holes at Titan and Marathon South**

| Drill hole | Depth to basement | Hole depth | Best intersection (minimum length 10m, 0.1% Cu cutoff, 4m internal dilution, calculated by WCP) |
|------------|-------------------|------------|-------------------------------------------------------------------------------------------------|
| MS001      | 565.25            | 830.8      | No anomalous assays                                                                             |
| MS002      | 558.76            | 930.4      | No anomalous assays                                                                             |
| MS003      | 715.80            | 891.2      | No anomalous assays                                                                             |
| MS004      | 671.72            | 759.0      | No anomalous assays                                                                             |
| TI002      | 605.10            | 862.0      | 20m @ 0.18% Cu between 653.0m and 673.0m                                                        |
| TI003      | 603.47            | 958.0      | No significant assays                                                                           |
| TI004      | 607.88            | 871.5      | No significant assays                                                                           |
| TI005      | 630.94            | 754.6      | 13m @ 0.11% Cu from 729.0m to 742.0m                                                            |
| TI006      | 604.08            | 865.0      | 47m @ 0.27% Cu from 608.0m to 655.0m                                                            |
| TI007      | 604.00            | 804.6      | 16m @ 0.14% Cu from 615.0m to 631.0m                                                            |
| TI008      | 621.76            | 797.8      | No significant assays                                                                           |

## 5 TARGETS AND EXPLORATION MODELS

Previous work by Tasman has taken a multi-commodity approach in its exploration of the Lake Torrens Project. The preferred commodities have been base metals (especially copper, zinc and cobalt) and precious metals (gold, silver and platinoid elements).

The project area covers three partly overlapping geological domains:

- Palaeoproterozoic basement intruded by Mesoproterozoic intrusives;
- Neoproterozoic Adelaidean Geosyncline and Stuart Shelf; and,
- Cambrian Arrowie Basin.

Within the Palaeo/Mesoproterozoic basement rocks, the main exploration targets are:

- Iron oxide copper gold (IOCG) deposits, either structurally controlled, as at Prominent Hill, diatreme/breccia associated, as at Olympic Dam, or some other type of related system.

- Layered mafic, Ni-Cu, precious metal (PGM) intrusives, hosted by the Bill's Lookout Gabbroid complex.

Within the Neoproterozoic and Cambrian sediments, the exploration targets have included:

- Sediment-hosted copper deposits, in particular the Mt Isa (SEDEX) style, as targeted in the Bopeechee Fold at Clara;
- Mississippi Valley type ("MVT") or Irish-type zinc  $\pm$ copper $\pm$ (silver) mineralisation, hosted by the Cambrian Andamooka Limestone; and,
- Disseminated sediment-hosted precious metal deposits associated with large fault systems in the Adelaidean sediments.

## **5.1 EXPLORATION STRATEGY**

The main thrust of historic exploration has been to test for Olympic Dam style (IOCG) deposits in the Mesoproterozoic basement and Mt Isa/Nifty copper style deposits in the Neoproterozoic. Given the extensive Phanerozoic cover over the prospective host horizons, the approach has been primarily geophysical. From 2005 exploration was focused mostly on the former with some exploration for possible MVT style mineralisation within the Cambrian Andamooka Limestone. WCP's target type is IOCG deposits in the Palaeo/Mesoproterozoic basement.

## 6 GEOLOGY

The project area is located on the eastern edge of the Gawler Craton (on the Stuart Shelf) and also covers parts of the Adelaide geosyncline. Sedimentary rocks dominate the project area and were deposited in four periods: Quaternary/Tertiary, Mesozoic (from the Eromanga Basin), Cambrian (the Arrowie Basin) and Adelaidean (the Adelaide Geosyncline and Stuart Shelf platform sediments). The Palaeoproterozoic basement includes metamorphosed sediments of the Hutchison Group, Donington Granitoid Suite and Wallaroo Group Volcanics. This has been intruded by Mesoproterozoic age Hiltaba Suite, Bill Lookout Gabbro and several batholiths.

The geology has been comprehensively described by Preiss (1987), Drexel et al. (1993), Preiss et al. (1998), Preiss and Cowley (1999), and, Preiss (2000), upon which the following summary is based.

### 6.1 REGIONAL GEOLOGY

#### 6.1.1 Regional geology and mineralisation of the Flinders Ranges and Stuart Shelf

A very thick sequence of sediments was deposited in the Adelaide Geosyncline, a sedimentary basin, during Adelaidean (the latter part of the Neoproterozoic) and Cambrian times (Preiss, 1987). The greatest volume of sediments was deposited to the east of a major crustal structure known as the Torrens Hinge Zone. To the west of the Torrens Hinge Zone the sediments of the Adelaide Geosyncline are much thinner and are represented by the Stuart Shelf. The Adelaide Geosyncline is floored by Mesoproterozoic age rocks, as indicated by basement outcrops around the margins like the westerly Gawler Craton, and in basement inliers like the Mount Painter Inlier. Many minor deposits of copper, lead-zinc-silver and gold are known within Adelaidean and Cambrian rocks throughout the northern Flinders Ranges and Stuart Shelf, but to date no large deposits have been discovered (Olliver and Preiss, 1990). The giant Olympic Dam copper-uranium deposit occurs in the Stuart Shelf but is hosted by Mesoproterozoic basement rocks of the Gawler Craton below the Adelaidean and Cambrian sequences.

Four groups represent the Adelaidean succession: from base to top they are the Callana Group, the Burra Group, the Umberatana Group and the Wilpena Group (Preiss, 1987). Sediments of the Callana Group were deposited in non-marine to marginal marine rift valleys. Thick sequences of evaporitic clastics and carbonates followed minor mafic volcanism. The Callana Group hosts many small copper deposits, such as Clara St. Dora (within the Lake Torrens Project) and the old Blinman Mine further south. Many of these copper deposits are associated with disrupted and brecciated zones that are thought to be diapirs (Preiss, 1987; Lemon, 1996). Because of its palaeogeographical setting, its numerous, small copper deposits and its similarity to the Copperbelt district in Zambia, the Callana Group has been an exploration target for stratiform copper mineralisation for many years (Rowlands et al., 1978; Lambert et al., 1987). The Burra Group was also deposited in a rift setting. The most significant base metal sulphide deposit in the Burra Group was the copper mineralisation at the Burra Mine, but there are many other minor copper, gold and lead-zinc occurrences.

The Umberatana Group contains rocks from two major glacial periods and includes a thick marine sequence of partly sulphidic and carbonaceous shales, the Tapley Hill Formation. Many of the gold occurrences in the Flinders ranges occur within the Umberatana Group, predominantly in the eastern part of the Flinders Ranges. The Tapley Hill Formation hosts several small copper deposits, for example at the old Kapunda Mines (65 km NNE of Adelaide) and at the Myall Creek prospect on the Stuart Shelf. The youngest Adelaidean sediments belong to the Wilpena Group, also a marine succession of clastics and carbonates. The Wilpena Group contains few sulphide occurrences with the notable exception of the Bunyerroo Formation, a red shale rich unit that hosts many small copper occurrences (Mawson and Segnit, 1949; Eberhard, 1977).

Following a break, marine sedimentation resumed in the Adelaide Geosyncline during the Cambrian with deposition within the Arrowie Basin. In the northern Flinders Ranges the Andamooka Limestone and its equivalents host lead-zinc mineralisation at many locations, notably at the mining centres of Ediacara (in the Ajax Limestone; Nixon, 1967, Johns, 1968) and Puttapa (in the Ajax Limestone; Rangott and Sear, 1975).

Sedimentation in the Adelaide Geosyncline terminated with the onset of the Cambro-Ordovician Delamerian Orogeny, and rocks affected by this orogeny are referred to as the Delamerian Fold Belt (Preiss, 1987). Both the Adelaide Geosyncline and the Delamerian Fold Belt are bounded to the west by the Torrens Hinge Zone (THZ). West of the THZ the sediments of the Stuart Shelf are not folded or are only weakly deformed, whereas to the east of the THZ the Adelaide Geosyncline sediments are strongly folded and faulted. During the Delamerian Orogeny many early faults that are thought to have been active during rifting were reactivated and may have played significant roles in the channelling of mineralised solutions. The major Norwest Fault that passes through the Lake Torrens Project is such a structure.

## **6.2 GEOLOGY OF THE LAKE TORRENS PROJECT**

### **6.2.1 Geomorphology**

Most of the project area comprises broad open saltbush plains with only a few hills. The northern part of the project area is mostly wide plains underlain by flat-lying Cretaceous sediments. Scattered mesas are capped by Tertiary duricrust. The north-eastern portion contains the wide alluvial systems of Screech Owl Creek and Gregory Creek that both flow northwards into Lake Eyre South. The plains typically contain substantial gibber contents, consisting mainly of Tertiary sandstone and silcrete, but also including some well-rounded pebbles and boulders of Adelaidean quartzite. Longitudinal sand dunes occur in this northern region but are more abundant toward the south, especially south of Mulgaria Homestead where they are the dominant land feature. Within the dune systems are several claypans of which the largest is Airport Claypan, site of one of Tasman's geochemical anomalies. On the north-eastern side of the project area, where it encroaches on to the edge of the Willouran Ranges, the topography is hilly with thin soils. Other hilly exposures of the Adelaidean sediments, but with lower relief, occur immediately north of Lake Torrens.

### **6.2.2 Geology**

The main stratigraphic units that are known within the project area are shown in Table 5 (Dalgarno, 1982; Krieg et al., 1992). Surface exposures within the project area are dominated by sedimentary rocks that were deposited in four broad periods: Quaternary/Tertiary, Mesozoic (the Eromanga Basin), Cambrian (the Arrowie Basin) and Adelaidean (the Adelaide Geosyncline and Stuart Shelf).

The Quaternary sediments are represented by widespread deposits such as alluvium, colluvium, sand dune systems, playa deposits, soils and lag surfaces. These are the materials that have been sampled during Tasman's geochemical exploration program. Where exposed in the project area, the Tertiary sediments are generally represented by erosional debris or as duricrust cappings of silcrete and gypcrete. The debris consists of red sandstone and Adelaidean pebbles derived from eroded alluvial deposits and silcrete and silicified sediments derived from the Tertiary weathering surface.

Mesozoic sediments in the project area are dominated by the Bulldog Shale, a sedimentary unit that occurs in the Eromanga Basin beneath large areas of northern South Australia. Where exposed in the Lake Torrens Project the Bulldog Shale is a grey marine mudstone, with numerous, large, well-rounded boulders in its basal section. Many of these boulders litter the surface in parts of the project area, for example in the area west of the Thrust prospect. Although it occurs widely throughout the project area, the Bulldog Shale is generally covered by colluvium, swelling clays and a lag of silcrete and sandstone pebbles on wide, flat plains. Exposures of the Bulldog Shale are

confined to the flanks of mesas and some drainage cutaways. Apart from an association with opal occurrences in the Andamooka region, the Bulldog Shale and other Mesozoic sediments are not known to host significant base metal or precious metal mineralisation, however many of Tasman's strongest geochemical anomalies are underlain by this unit.

**Table 5: Main Stratigraphic Units present in the Lake Torrens Project Area.**

| <b>Age</b>      | <b>Stratigraphic Unit</b>                             | <b>Description</b>                                               |
|-----------------|-------------------------------------------------------|------------------------------------------------------------------|
| Quaternary      | Various                                               | Alluvial, colluvial and aeolian deposits                         |
| Tertiary        | Watchie Sandstone                                     | Porous sandstone                                                 |
| Cretaceous      | Bulldog Shale                                         | Grey marine mudstone                                             |
|                 | Cadna-owie Formation                                  | Gritty to pebbly sandstone                                       |
| Jurassic        | Algebuckina Sandstone                                 | Cross-bedded quartz sandstone                                    |
| Cambrian        | Yarrowurta Shale                                      |                                                                  |
|                 | <b>Wilpena Group</b>                                  | Massive fossiliferous limestone                                  |
|                 | Andamooka Limestone                                   |                                                                  |
| Neoproterozoic  | <b>Wilpena Group</b> (Adelaide Geosyncline)           |                                                                  |
|                 | <i>Pound Subgroup</i>                                 | Sandstone and quartzite                                          |
|                 | <i>Wonoka Formation</i>                               | Limestone and calcareous shale                                   |
|                 | <i>Bunyerroo Formation</i>                            | Red and green laminated siltstone/shale                          |
|                 | <i>ABC Range Quartzite</i>                            | Flaggy quartzite                                                 |
|                 | <i>Brachina Formation</i>                             | Laminated siltstone and quartzite                                |
|                 | <i>Nuccaleena Formation</i>                           | Laminated dolomite rock                                          |
|                 | <b>Wilpena Group</b> (Stuart Shelf)                   |                                                                  |
|                 | <i>Yarloo Shale</i>                                   | Purple Shale                                                     |
|                 | <i>Tent Hill Formation</i>                            | Red shales and quartzites                                        |
|                 | <i>Simmens Quartzite</i>                              |                                                                  |
|                 | <i>Tent Hill Formation</i>                            | Red brown sandstone                                              |
|                 | <i>Corraberra Sandstone</i>                           |                                                                  |
|                 | <i>Tent Hill Formation</i>                            | Red and green laminated shale, minor silts and sands towards top |
|                 | <i>Tregolana Shale</i>                                |                                                                  |
|                 | <i>Nuccaleena Formation</i>                           | Pale calcareous siltstone                                        |
|                 | <b>Umbertana Group</b>                                |                                                                  |
|                 | <i>Elatina Formation</i>                              | Coarse sandstone and siltstone                                   |
|                 | <i>Amberooona Formation</i>                           | Siltstone, shale and limestone                                   |
|                 | <i>Tapley Hill Formation</i>                          | Laminated siltstone and shale                                    |
|                 | <b>Burra Group</b>                                    | Various sediments                                                |
|                 | <b>Callana Group</b>                                  | Various sediments, partly as breccia                             |
| Mesoproterozoic | Gawler Craton Units, including Gawler Range Volcanics | Occurs at depth. Metasediments, felsic and mafic igneous rocks.  |

Cambrian rocks are represented chiefly by the Andamooka Limestone, a flat lying unit of the Stuart Shelf. It is a massive, fossiliferous, dolomitic limestone and dolomite that is exposed in outcrop

around the northern tip of Lake Torrens and also about 12 km west of Mulgaria Homestead. Stratigraphic equivalents of the Andamooka Limestone host MVT style lead-zinc sulphide mineralisation elsewhere in the Adelaide Geosyncline, for example at the Ediacara field, and zinc silicate (willemite) mineralisation at the Puttapa Mine, respectively located 39 km and 45 km southeast of EL 2642. Two areas of some interest for MVT style mineralisation within the Lake Torrens Project, both within Andamooka Limestone, are the area around the OK copper workings on the northern tip of Lake Torrens, and the Peninsula Prospect area on the western shore of Lake Torrens. The Peninsula Prospect is described in more detail in following paragraphs. In addition, Roberts (1967) reported two samples taken from the western shore of Lake Arthur, located 27 km WSW of Mulgaria Homestead, which contained 430 ppm and 180 ppm lead.

Adelaidean rocks are exposed in two areas within the Lake Torrens Project. The western area is a 50 km long meridional zone in the centre of the project and the eastern area is along the eastern margin of the project where it encroaches on to the Willouran Ranges. In the western area the Adelaidean rocks are exposed in a series of low ranges, hills and creek washaways 10 to 25 km west of Mulgaria Homestead. There, units of the Wilpena Group are dominant with minor Umberatana Group (Sturt Tillite; Murrell, 1977) exposed in an anticlinal hinge. A high degree of lateral continuity is indicated for many of the units by aeromagnetic data. These data show that weakly magnetic units within the Brachina Formation can be traced for over 50 km (and probably much further) without significant change in strike or spacing.

The Adelaidean rocks on the eastern side of the Lake Torrens Project are well-exposed units of the Wilpena, Umberatana and Burra Groups. In EL 2772 and EL 2832, older units belonging to the Callana Group and associated with a diapiric breccia structure host copper mineralisation at the Clara St. Dora workings.

None of the metamorphic and igneous basement rocks that characterise the Gawler Craton are exposed in the project area. At Olympic Dam the thickness of the cover sequence over the Gawler Craton rocks is approximately 300 m (Cross et al., 1993). Within the project area it is known from records of old drill holes within EL 2594 (just north and east of Olympic Dam) that the depth to the Gawler Craton basement varies from 424 m to >1,450 m. Geophysical modelling by the Department of Mines and Energy (1982) showed the interpreted depth to magnetic basement within the Lake Torrens Project as exceeding 4.0 km.

### **6.3 MINERALISATION**

A total of six mineral occurrences are known within the Lake Torrens Project, all copper-rich. Zinc-lead occurrences are known in the Ediacara district to the southeast of the project area. The world class Olympic Dam Cu-Au-U-REE breccia deposit is located 30km south of the project area, and the Acropolis, Wiirda Well, Snake Gully and Todd's Dam IOCG systems are also located in the basement rocks of the district.

These can be grouped into three metallogenic styles, namely:

- Sediment-hosted copper (either diapir or structurally controlled) supergene enriched Cu;
- Karst fill or MVT-affinity base metals, especially copper and silver; and,
- Basement hosted iron oxide copper gold systems.

#### **6.3.1 Clara St Dora, historic copper workings**

Located in the SE corner of EL2772, the prospect is about 8km south of the abandoned Alberrie Creek railway-siding. Mineralisation is hosted by calcareous siltstones of the Callanna Beds, at the margin and partly within a diapiric breccia structure. The Clara St Dora group of workings produced over 4228t of ore with copper grades indicating a range from less than 1% Cu to 39.3% Cu with a weighted average implied at 3.8% Cu. The main mine workings occur within an area measuring 30 m by 30 m, with other smaller workings to the east. In the main workings, the

lodes are confined to bedding plane breccias and cross-cutting faults. Mapping of the workings indicate that mineralisation is only poorly hosted by the dolomite (Black Knob Marble), but is more commonly confined to the surrounding contact margin of the dolomite.

### 6.3.2 OK Copper Mines

The OK Copper workings are located 6 km west of Lake Arthur at the northern end of Lake Torrens.

Hosted in subcropping Andamooka Limestone, the small malachite mineralised karsts and 'ironstone' infilled conjugate joints are exposed in two closely separated groups. The two groups are noted to outline two narrow corridors each of divergent long axes.

Of interest is that the mineralisation is best developed in the elongate karsts that parallel the long axis of the holding group. In particular, the karsts distributed in the southern group define a 017° long axis with the preferred orientation of mineralisation spanning 000-030°AMG. The northern group is only sparsely developed with an indicated long axis trending 095° with the preferred direction of the mineralised karsts at 100-105°.

### 6.3.3 Waterman's Plain

The historic copper workings at Waterman's plain (M1) approximately 30 km NE of WMC's Olympic Dam mine were located by Tasman during geophysical surveys conducted in November 2002. The old workings were not previously known of or recorded in published material. The workings are located on a 3 km long residual gravity anomaly identified by Tasman's earlier gravity survey.

The electrical survey (IP/resistivity) was conducted at various points along the gravity anomaly and identified several chargeable zones both north and south of the old workings.

The workings are located on an area of outcropping Andamooka Limestone 600m long by 450m wide. The outcrop is shown on the published geology sheet, and is clearly evident on remotely sensed images. The outcrop area is covered with a thin veneer of ferruginous lag material, derived from pyrite/marcasite infilling fractures and disseminated within the limestone. The exposed flat lying limestone becomes more dolomitic with depth.

The workings comprise a main shaft or pit, approximately 5m deep, 2-3m wide and 4m long. Gypsiferous mullock has been thrown on the northern end of the shaft and clay/soil has covered most of the rock exposed in the shaft. The bottom of the shaft likewise has filled with soil.

A number of shallow (<0.5m) excavations have been dug around the main shaft, principally along a roughly north-south axis, covering an area of approximately 30m by 15m. Presumably these trenches were dug to look for additional copper but no mineralisation is evident.

The shaft appears to have been dug on a subvertical structurally controlled zone. There is an indication of possible brecciation within the shaft but it is largely obscured by dirt coating the shaft walls. The shaft is also located on a lithological contact between a massive grey fenestral limestone and a light brown flaggy dolomitic limestone.

Green secondary copper minerals, goethite (both earthy and vitreous), red earthy material and grey sulphides have been excavated from the shaft. A small mound of discarded sorted material is located nearby the shaft.

In 2003 Tasman drilled a single inclined RCP drill hole to a depth of 65m beneath the shaft which intersected three zones of goethitic material:

- within the 11-12m downhole interval;
- from 13m to 20m downhole; and,
- from 25m to 28m downhole.

The central zone also had green copper minerals from 16m to 18m, initially identified as malachite, but probably atacamite. Samples from the hole were collected as 3m composites. The 12-21m zone averaged 3.3% Cu, incl 3m @ 9.82% Cu and 4.3% Pb. Zinc assays were low order (max. 560ppm).

A mineragraphic (reflected light) and SEM examination of two small pieces of mineralised rock from the mullock heap has interpreted the material to be copper-rich gossan containing a mixture of goethite (iron oxides) and atacamite (basic copper chloride, 59% Cu) with about 20% copper sulphides. The sulphides comprise principally chalcocite (80% Cu) together with subordinate digenite (78% Cu) and covellite (66% Cu). The atacamite is pervasive, permeating the goethite and forming monomineralic zones. Relict sulphide textures are present in the goethite. SEM scans revealed the presence of silver halide (AgI, iodargyrite) and traces of lead salts. One speck of gold was also noted, but this may have been contamination from the polishing machine.

Primary gossan textures were evident in the samples, suggesting weathering and supergene enrichment of primary mineralisation rather than formation by transported surficial accumulation.

Additionally, assays of five grab samples of gossanous mineralised rock selected from the mullock heap have been obtained giving results of up to 40% Cu and 28.4ppm Ag with elevated Co (210ppm max).

### **6.3.4 West Mount copper diggings**

The West Mount copper diggings comprise copper mineralised carbonate veins terminated against barren quartz reefs.

Mineralisation is hosted by calcareous siltstones of the Neoproterozoic Amberoona Formation.

The small pits forming the diggings exploited parts of three laterally extensive vein sets, with a strike length of about 500m. The prospect mullock heaps contain minor malachite bearing siderite vein material. With no production records indicated, it is likely that little ore was produced judging from the volume comparison of excavation and dumps.

### **6.3.5 Airport Claypan**

The early attraction of Airport Claypan rests on the discovery of detrital flakes of atacamite and atacamite-rich arkosic siltstone along the southern shoreline, forming the spine to a 2km long MMI copper anomaly. Subsequent phases of MMI sampling indicated that the highest level of anomalous copper remained closely confined to the southern shoreline. The anomalism is thought to be related to metal-rich sediments at the top of the Bunyerroo Formation (the Wearing Dolomite).

### **6.3.6 Titan Deposit**

The almost coincident magnetic and gravity highs at the WMC Bopeechee East prospect were investigated with drill hole BD1 and two lines of complex resistivity (CR). The latter outlined resistivity lows coincident with the magnetic and gravity highs, but electro-magnetic coupling was too strong to determine if the phase response was anomalous.

BD1 drilled the centre of the southern end of a magnetic high and intersected moderately to intensely altered arkoses, intermittently but strongly veined with magnetite and interpreted to be, in part, the source of the anomalies. The gravity anomaly is eastward more extensive than the magnetic anomaly suggesting an oxidised margin to the source body. The dominant alteration phases in BD1 are magnetite, chlorite and quartz with carbonate, apatite, pyrite and chalcopyrite as minor phases. The total sulphide content is indicated at 1% and along with the vein and disseminated magnetite occurrences may account for the resistivity low.

Dissimilar to the Olympic Dam style of mineralisation and at a greater than 600m depth, WMC concluded that the strongest and shallowest mineralisation had been tested. The copper mineralised intervals generally returned values of <0.2% Cu. However, the indicated high ratio of cobalt in sulphide draws an association with other magnetite hosted copper deposits such as Ernest Henry,

Osborne and Peko, with an apparent overall cobalt ratio of 1:<10 and one 2m interval returning 0.59% Cu with 0.1% Co.

### **6.3.7 Peninsular Prospect**

The copper occurrence is located adjacent to the western shoreline of Lake Torrens; a zone sensitive to the Native Title stake-holders. The prospect was drilled by Asarco and returned erratic and generally low levels of copper, lead, zinc and arsenic mineralisation. Another nearby occurrence of copper (malachite stained gypsum) mineralisation was reported by Phelps Dodge, 3km west of Peninsular. The host is a karst infill within the Andamooka Limestone. Phelps Dodge also reported extensive geochemical anomalies in the vicinity, which were never drill investigated.

### **6.3.8 Mount James**

A small Cambrian age structural basin of basal dolomitic facies host significant MVT lead mineralisation of the Ediacara Mineral Field, where 29.5 Mt of 1 % lead, 9 g/t silver and 0.75 % copper has been outlined. Further, a small historical copper working known as Caine's Claim is located 12 km to the east of Ediacara. The quartz-carbonate-malachite veining is of limited strike extent and shear confined within the Deception Fault Zone.

The area was originally applied for targeting lead-zinc potential in buried Cambrian age mineralisation of the Beltana Sub-basin; and, the possibilities of the Bunyerroo Formation hosting copper-(zinc) mineralisation. The area was believed to lie at the junction of the Gawler Craton and the Adelaide Geosyncline at a point where it was cut by either the G9 or the Olympic Dam tectonic corridor. The substantial lead deposits of the Ediacara Mineral Field were considered to provide evidence of substantial mineralising processes in the region associated with the major Ediacara Fault.

## 7 WORK CARRIED OUT DURING THE REPORTING PERIOD

### 7.1 DETAILED GRAVITY SURVEYING

During 2007 WCP completed a detailed gravity survey over the tenements. The work was carried out by Daishsat Geodetic Surveyors, with 848 stations (including repeats and base station readings) being measured over an eight day period between October 26 and November 2, 2008. This work was helicopter supported, with stations being sited at 1km station spacing with areas of anomalism subsequently infilled with centre point stations giving an effective 700m diagonal spaced grid. A map of the stations is included as Figure 2, and the results are included as Appendix 1.

The following table lists the number of stations measured within each of the three licences, and the number of base station readings in the dataset

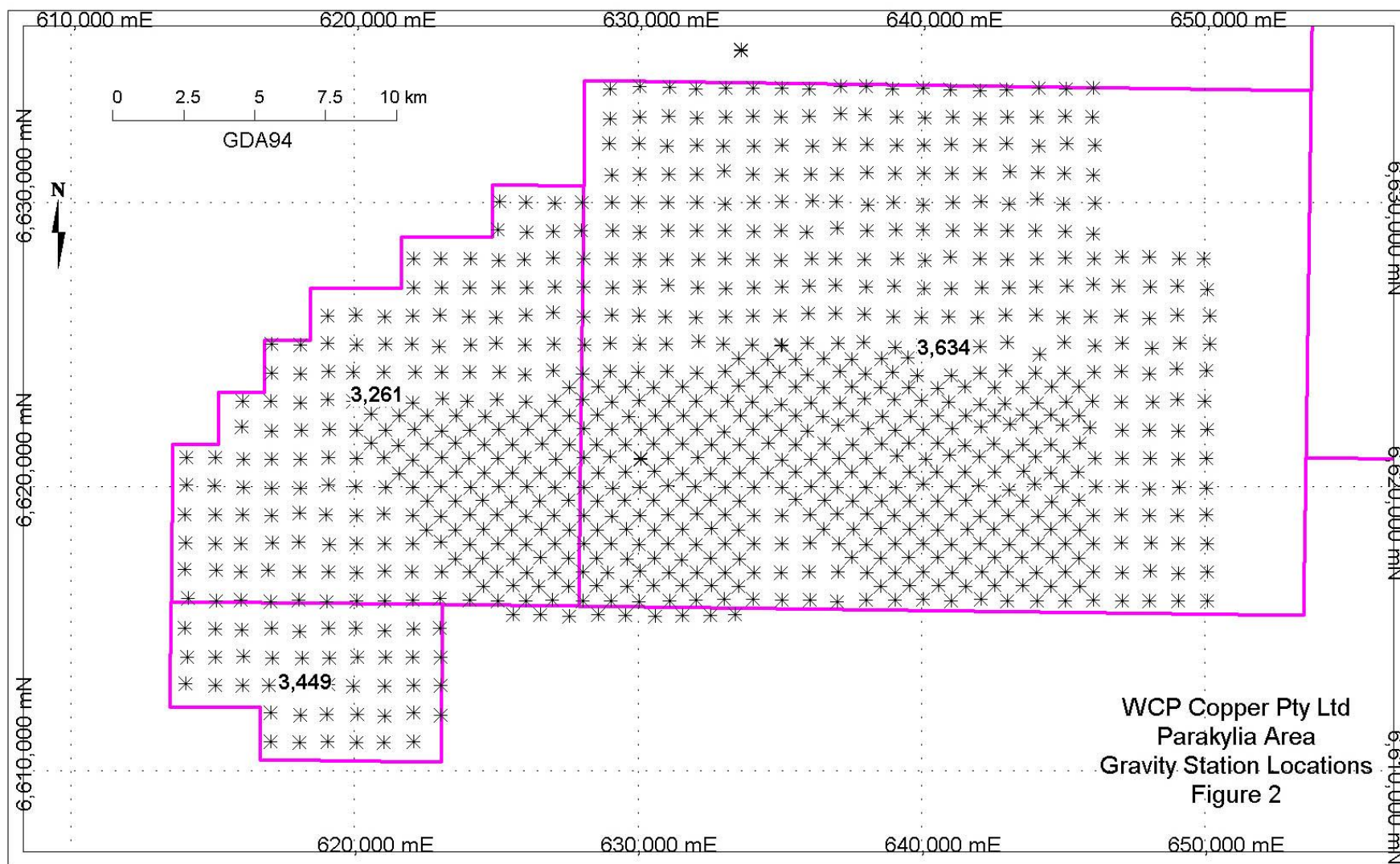
**Table 6: Breakdown of Gravity Readings by Licence.**

| Licence      | Number of Readings |
|--------------|--------------------|
| EL3261       | 216                |
| EL3449       | 49                 |
| EL3634       | 576                |
| Base Station | 20                 |

Gravity measurements were taken using Scintrex CG5 and CG3M automated gravity meters, with a standard deviation of approximately 0.02-0.03 mgals being the accuracy. Readings were taken in closed loops not exceeding five hours duration. Station locations were surveyed using a Leica GPS1200 RTK survey system, with an accuracy of better than 100mm in the x, y and z directions.

## 8 DISCUSSION OF RESULTS/FURTHER WORK

Interpretation and 3D inversion modelling of the results is currently underway, and hence no conclusions can yet be made on the results.



## 9 EXPENDITURE SUMMARY

The total expenditure by WCP on the Lake Torrens Project from 1<sup>st</sup> January 2007 to 31st December 2007 was \$1,948,015 (including expenditure on the AEA by WCP Resources Ltd). Details of the 2007 expenditure for the individual licences covered by this report are summarised in Table 7.

**Table 7: Expenditure Summary – Lake Torrens Project, Parakylia Area 2007**

|                     |        |
|---------------------|--------|
| EL3634              |        |
|                     | WCP    |
| Geology             | 2,665  |
| Geophysics          | 49,152 |
| Tenement Management | 1,352  |
| TOTAL               | 53,169 |

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## APPENDIX 1

### Gravity Survey Results

EL3634 Gravity

| station | mga_easting | mga_northing | date_ddmmyy | ahd_m   | a94_longitude | la94_latitude | time_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|-------------|
| 1001    | 629082.416  | 6634163.8    | 26/10/2007  | 98.341  | 136.3439707   | -30.4176844   | 17:32:45    |
| 1002    | 629084.907  | 6633115.44   | 26/10/2007  | 95.638  | 136.3441263   | -30.4271419   | 17:35:25    |
| 1003    | 629046.445  | 6632253.23   | 26/10/2007  | 93.801  | 136.3438326   | -30.4349245   | 17:37:59    |
| 1004    | 629138.462  | 6631128.68   | 26/10/2007  | 95.888  | 136.3449298   | -30.4450598   | 17:40:25    |
| 1005    | 630075.526  | 6630165.07   | 26/10/2007  | 106.987 | 136.354807    | -30.453652    | 17:43:14    |
| 1006    | 629142.429  | 6630175.65   | 26/10/2007  | 110.179 | 136.3450892   | -30.4536571   | 17:46:24    |
| 1015    | 629165.573  | 6629167.74   | 26/10/2007  | 108.708 | 136.3454552   | -30.4627475   | 18:13:33    |
| 1016    | 630121.034  | 6629125.29   | 26/10/2007  | 106.357 | 136.3554107   | -30.4630274   | 18:16:03    |
| 1005    | 630075.117  | 6630165.07   | 26/10/2007  | 107.107 | 136.3548027   | -30.453652    | 18:19:55    |
| 1017    | 630128.464  | 6631169.95   | 26/10/2007  | 94.525  | 136.3552328   | -30.4445808   | 18:23:05    |
| 1018    | 630109.295  | 6632235.96   | 26/10/2007  | 93.117  | 136.3549002   | -30.4349659   | 18:25:35    |
| 1019    | 630130.73   | 6633178      | 26/10/2007  | 99.723  | 136.3550058   | -30.426465    | 18:27:55    |
| 1020    | 630146.537  | 6634244.06   | 26/10/2007  | 95.586  | 136.3550375   | -30.4168458   | 18:30:28    |
| 1021    | 631193.299  | 6634232.05   | 27/10/2007  | 98.831  | 136.3659349   | -30.4168406   | 6:49:35     |
| 1022    | 631152.447  | 6633205.56   | 27/10/2007  | 99.616  | 136.3656386   | -30.4261055   | 6:53:56     |
| 1023    | 631098.653  | 6632137.07   | 27/10/2007  | 98.418  | 136.3652129   | -30.4357507   | 6:56:48     |
| 1024    | 631149.768  | 6631172.4    | 27/10/2007  | 103.901 | 136.3658664   | -30.4444478   | 7:00:03     |
| 1005    | 630075.049  | 6630165.13   | 27/10/2007  | 106.802 | 136.354802    | -30.4536515   | 7:07:52     |
| 1025    | 631123.677  | 6630157.36   | 27/10/2007  | 112.612 | 136.3657224   | -30.4536078   | 7:11:32     |
| 1026    | 631117.907  | 6629172.13   | 27/10/2007  | 102.537 | 136.3657863   | -30.4624966   | 7:14:46     |
| 1027    | 630136.215  | 6628157.34   | 27/10/2007  | 108.152 | 136.3556898   | -30.471758    | 7:18:25     |
| 1028    | 629127.784  | 6628195.9    | 27/10/2007  | 107.756 | 136.3451821   | -30.4715189   | 7:20:44     |
| 1029    | 628147.069  | 6628182.4    | 27/10/2007  | 112.301 | 136.3349696   | -30.4717457   | 7:23:19     |
| 1111    | 628155.405  | 6627185.88   | 27/10/2007  | 114.377 | 136.3351791   | -30.4807349   | 12:19:12    |
| 1112    | 629169.182  | 6627167.85   | 27/10/2007  | 111.746 | 136.3457409   | -30.480789    | 12:22:34    |
| 1113    | 630131.741  | 6627195.61   | 27/10/2007  | 104.963 | 136.3557634   | -30.4804347   | 12:25:26    |
| 1114    | 631123.537  | 6627272.56   | 27/10/2007  | 102.351 | 136.3660842   | -30.4796326   | 12:28:51    |
| 1115    | 632186.613  | 6627173.07   | 27/10/2007  | 107.289 | 136.3771696   | -30.4804137   | 12:32:09    |
| 1116    | 631089.491  | 6628172.01   | 27/10/2007  | 103.477 | 136.3656163   | -30.4715221   | 12:35:05    |
| 1117    | 632196.225  | 6628175.58   | 27/10/2007  | 106.276 | 136.3771424   | -30.4713687   | 12:37:58    |
| 1118    | 632127.932  | 6629172.91   | 27/10/2007  | 105.499 | 136.3763046   | -30.4623789   | 12:41:06    |
| 1119    | 632155.595  | 6630157.12   | 27/10/2007  | 104.223 | 136.3764678   | -30.453497    | 12:43:35    |
| 1120    | 632140.225  | 6631149.8    | 27/10/2007  | 108.694 | 136.3761819   | -30.4445433   | 12:46:23    |
| 1121    | 632155.228  | 6632174.15   | 27/10/2007  | 105.274 | 136.3762083   | -30.4353006   | 12:50:11    |
| 1122    | 632138.97   | 6633151.18   | 27/10/2007  | 106.334 | 136.3759153   | -30.4264882   | 12:52:40    |
| 1123    | 632110.77   | 6634169.37   | 27/10/2007  | 98.677  | 136.3754929   | -30.4173058   | 12:55:24    |
| 1124    | 633168.595  | 6634180.69   | 28/10/2007  | 80.729  | 136.3865024   | -30.4170872   | 6:38:45     |
| 1125    | 633167.709  | 6633176.69   | 28/10/2007  | 87.897  | 136.3866213   | -30.4261448   | 6:42:39     |
| 1126    | 633086.808  | 6632166.92   | 28/10/2007  | 98.935  | 136.3859079   | -30.4352632   | 6:48:16     |
| 1128    | 633118.925  | 6630110.52   | 28/10/2007  | 108.181 | 136.3865049   | -30.4538112   | 6:55:39     |
| 1129    | 633143.352  | 6629182.46   | 28/10/2007  | 106.061 | 136.3868778   | -30.4621808   | 7:01:02     |
| 1130    | 633129.614  | 6628203.54   | 28/10/2007  | 108.435 | 136.3868599   | -30.4710134   | 7:04:32     |
| 1132    | 633158.191  | 6626145.77   | 28/10/2007  | 104.656 | 136.3874208   | -30.489574    | 7:11:30     |
| 1133    | 632108.733  | 6626124.98   | 28/10/2007  | 106.812 | 136.3764915   | -30.4898774   | 7:15:20     |
| 1134    | 631045.213  | 6626156.07   | 28/10/2007  | 100.329 | 136.365409    | -30.4897135   | 7:19:43     |
| 1135    | 630107.434  | 6626194.21   | 28/10/2007  | 108.905 | 136.3556354   | -30.4894714   | 7:26:40     |
| 1136    | 629137.839  | 6626207.04   | 28/10/2007  | 109.73  | 136.3455337   | -30.4894603   | 7:31:15     |
| 1180    | 628196.826  | 6625161.59   | 28/10/2007  | 112.751 | 136.33586     | -30.4989926   | 11:35:03    |
| 1181    | 629091.078  | 6625213.19   | 28/10/2007  | 110.311 | 136.3451699   | -30.4984312   | 11:41:43    |
| 1182    | 630120.845  | 6625185.48   | 28/10/2007  | 104.879 | 136.3559014   | -30.4985701   | 11:47:49    |
| 1183    | 631048.455  | 6625202.53   | 28/10/2007  | 105.07  | 136.3655629   | -30.4983154   | 11:51:24    |

## EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsrg84_mgals | obsrg84_gu | gt_gu       | fag_gu  |
|---------|---------------|-----------|---------------|------------|-------------|---------|
| 1001    | 4080.575      | -0.084    | 979310.656    | 9793106.56 | 9793568.164 | -158.13 |
| 1002    | 4082.906      | -0.085    | 979312.985    | 9793129.85 | 9793575.623 | -150.64 |
| 1003    | 4084.725      | -0.087    | 979314.802    | 9793148.02 | 9793581.763 | -144.28 |
| 1004    | 4087.074      | -0.088    | 979317.15     | 9793171.5  | 9793589.76  | -122.36 |
| 1005    | 4086.662      | -0.09     | 979316.736    | 9793167.36 | 9793596.54  | -99.03  |
| 1006    | 4085.951      | -0.091    | 979316.023    | 9793160.23 | 9793596.544 | -96.31  |
| 1015    | 4088.161      | -0.102    | 979318.219    | 9793182.19 | 9793603.719 | -86.06  |
| 1016    | 4089.303      | -0.103    | 979319.36     | 9793193.6  | 9793603.94  | -82.13  |
| 1005    | 4086.72       | -0.104    | 979316.776    | 9793167.76 | 9793596.54  | -98.26  |
| 1017    | 4087.059      | -0.105    | 979317.114    | 9793171.14 | 9793589.382 | -126.55 |
| 1018    | 4085.043      | -0.105    | 979315.097    | 9793150.97 | 9793581.795 | -143.47 |
| 1019    | 4082.063      | -0.106    | 979312.116    | 9793121.16 | 9793575.089 | -146.19 |
| 1020    | 4080.926      | -0.106    | 979310.979    | 9793109.79 | 9793567.503 | -162.74 |
| 1021    | 4079.97       | -0.09     | 979310.034    | 9793100.34 | 9793567.499 | -162.17 |
| 1022    | 4081.776      | -0.088    | 979311.842    | 9793118.42 | 9793574.806 | -148.98 |
| 1023    | 4084.234      | -0.086    | 979314.301    | 9793143.01 | 9793582.415 | -135.69 |
| 1024    | 4085.024      | -0.084    | 979315.093    | 9793150.93 | 9793589.277 | -117.72 |
| 1005    | 4086.758      | -0.08     | 979316.831    | 9793168.31 | 9793596.54  | -98.65  |
| 1025    | 4085.565      | -0.077    | 979315.64     | 9793156.4  | 9793596.505 | -92.59  |
| 1026    | 4089.95       | -0.075    | 979320.027    | 9793200.27 | 9793603.521 | -86.83  |
| 1027    | 4090.915      | -0.072    | 979320.994    | 9793209.94 | 9793610.832 | -67.14  |
| 1028    | 4091.345      | -0.07     | 979321.425    | 9793214.25 | 9793610.643 | -63.86  |
| 1029    | 4089.927      | -0.069    | 979320.009    | 9793200.09 | 9793610.822 | -64.18  |
| 1111    | 4090.768      | 0.195     | 979321.075    | 9793210.75 | 9793617.92  | -54.21  |
| 1112    | 4092.623      | 0.195     | 979322.93     | 9793229.3  | 9793617.963 | -43.82  |
| 1113    | 4094.109      | 0.196     | 979324.416    | 9793244.16 | 9793617.683 | -49.61  |
| 1114    | 4094.428      | 0.196     | 979324.735    | 9793247.35 | 9793617.049 | -53.85  |
| 1115    | 4093.2        | 0.196     | 979323.507    | 9793235.07 | 9793617.666 | -51.51  |
| 1116    | 4091.467      | 0.196     | 979321.774    | 9793217.74 | 9793610.646 | -73.58  |
| 1117    | 4091.444      | 0.197     | 979321.751    | 9793217.51 | 9793610.525 | -65.06  |
| 1118    | 4089.081      | 0.197     | 979319.387    | 9793193.87 | 9793603.428 | -83.99  |
| 1119    | 4087.332      | 0.197     | 979317.638    | 9793176.38 | 9793596.418 | -98.41  |
| 1120    | 4084.346      | 0.196     | 979314.652    | 9793146.52 | 9793589.352 | -107.42 |
| 1121    | 4082.736      | 0.196     | 979313.041    | 9793130.41 | 9793582.06  | -126.78 |
| 1122    | 4080.286      | 0.196     | 979310.59     | 9793105.9  | 9793575.108 | -141.07 |
| 1123    | 4080.361      | 0.196     | 979310.665    | 9793106.65 | 9793567.865 | -156.71 |
| 1124    | 4084.285      | -0.103    | 979314.281    | 9793142.81 | 9793567.693 | -175.76 |
| 1125    | 4084.969      | -0.102    | 979314.965    | 9793149.65 | 9793574.837 | -153.94 |
| 1126    | 4084.929      | -0.101    | 979314.926    | 9793149.26 | 9793582.03  | -127.47 |
| 1128    | 4087.368      | -0.099    | 979317.366    | 9793173.66 | 9793596.666 | -89.17  |
| 1129    | 4089.506      | -0.097    | 979319.505    | 9793195.05 | 9793603.272 | -80.93  |
| 1130    | 4091.245      | -0.096    | 979321.244    | 9793212.44 | 9793610.244 | -63.18  |
| 1132    | 4095.72       | -0.093    | 979325.721    | 9793257.21 | 9793624.9   | -44.73  |
| 1133    | 4095.597      | -0.091    | 979325.599    | 9793255.99 | 9793625.14  | -39.53  |
| 1134    | 4096.539      | -0.089    | 979326.543    | 9793265.43 | 9793625.01  | -49.98  |
| 1135    | 4094.361      | -0.086    | 979324.367    | 9793243.67 | 9793624.819 | -45.08  |
| 1136    | 4093.802      | -0.083    | 979323.81     | 9793238.1  | 9793624.81  | -48.09  |
| 1180    | 4093.885      | 0.146     | 979324.084    | 9793240.84 | 9793632.339 | -43.56  |
| 1181    | 4094.744      | 0.151     | 979324.947    | 9793249.47 | 9793631.896 | -42.02  |
| 1182    | 4096.339      | 0.156     | 979326.545    | 9793265.45 | 9793632.005 | -42.91  |
| 1183    | 4096.763      | 0.158     | 979326.971    | 9793269.71 | 9793631.804 | -37.86  |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1001    | -15.813   | -268.127 | -256.999 | -248.756 | -26.813     | -25.7       | -24.876     |
| 1002    | -15.064   | -257.614 | -246.792 | -238.775 | -25.761     | -24.679     | -23.878     |
| 1003    | -14.428   | -249.197 | -238.583 | -230.72  | -24.92      | -23.858     | -23.072     |
| 1004    | -12.236   | -229.608 | -218.758 | -210.72  | -22.961     | -21.876     | -21.072     |
| 1005    | -9.903    | -218.694 | -206.588 | -197.62  | -21.869     | -20.659     | -19.762     |
| 1006    | -9.631    | -219.549 | -207.081 | -197.846 | -21.955     | -20.708     | -19.785     |
| 1015    | -8.606    | -207.657 | -195.356 | -186.244 | -20.766     | -19.536     | -18.624     |
| 1016    | -8.213    | -201.093 | -189.058 | -180.143 | -20.109     | -18.906     | -18.014     |
| 1005    | -9.826    | -218.058 | -205.938 | -196.96  | -21.806     | -20.594     | -19.696     |
| 1017    | -12.655   | -232.272 | -221.575 | -213.652 | -23.227     | -22.158     | -21.365     |
| 1018    | -14.347   | -247.625 | -237.088 | -229.283 | -24.763     | -23.709     | -22.928     |
| 1019    | -14.619   | -257.733 | -246.449 | -238.09  | -25.773     | -24.645     | -23.809     |
| 1020    | -16.274   | -269.655 | -258.839 | -250.827 | -26.966     | -25.884     | -25.083     |
| 1021    | -16.217   | -272.717 | -261.534 | -253.25  | -27.272     | -26.153     | -25.325     |
| 1022    | -14.898   | -260.4   | -249.128 | -240.778 | -26.04      | -24.913     | -24.078     |
| 1023    | -13.569   | -245.776 | -234.639 | -226.39  | -24.578     | -23.464     | -22.639     |
| 1024    | -11.772   | -233.931 | -222.174 | -213.465 | -23.393     | -22.217     | -21.347     |
| 1005    | -9.865    | -218.108 | -206.022 | -197.07  | -21.811     | -20.602     | -19.707     |
| 1025    | -9.259    | -218.553 | -205.811 | -196.371 | -21.855     | -20.581     | -19.637     |
| 1026    | -8.683    | -201.519 | -189.916 | -181.322 | -20.152     | -18.992     | -18.132     |
| 1027    | -6.714    | -188.114 | -175.876 | -166.811 | -18.811     | -17.588     | -16.681     |
| 1028    | -6.386    | -184.395 | -172.201 | -163.169 | -18.439     | -17.22      | -16.317     |
| 1029    | -6.418    | -189.792 | -177.085 | -167.672 | -18.979     | -17.708     | -16.767     |
| 1111    | -5.421    | -182.146 | -169.204 | -159.616 | -18.215     | -16.92      | -15.962     |
| 1112    | -4.382    | -168.815 | -156.17  | -146.803 | -16.881     | -15.617     | -14.68      |
| 1113    | -4.961    | -167.019 | -155.141 | -146.343 | -16.702     | -15.514     | -14.634     |
| 1114    | -5.385    | -168.334 | -156.752 | -148.173 | -16.833     | -15.675     | -14.817     |
| 1115    | -5.151    | -171.516 | -159.376 | -150.383 | -17.152     | -15.938     | -15.038     |
| 1116    | -7.358    | -189.325 | -177.616 | -168.942 | -18.932     | -17.762     | -16.894     |
| 1117    | -6.506    | -183.927 | -171.902 | -162.994 | -18.393     | -17.19      | -16.299     |
| 1118    | -8.399    | -201.999 | -190.061 | -181.218 | -20.2       | -19.006     | -18.122     |
| 1119    | -9.841    | -214.989 | -203.196 | -194.46  | -21.499     | -20.32      | -19.446     |
| 1120    | -10.742   | -228.988 | -216.688 | -207.578 | -22.899     | -21.669     | -20.758     |
| 1121    | -12.678   | -244.533 | -232.621 | -223.797 | -24.453     | -23.262     | -22.38      |
| 1122    | -14.107   | -260.006 | -247.974 | -239.061 | -26.001     | -24.797     | -23.906     |
| 1123    | -15.671   | -267.077 | -255.911 | -247.64  | -26.708     | -25.591     | -24.764     |
| 1124    | -17.576   | -266.054 | -256.919 | -250.152 | -26.605     | -25.692     | -25.015     |
| 1125    | -15.394   | -252.256 | -242.31  | -234.942 | -25.226     | -24.231     | -23.494     |
| 1126    | -12.747   | -238.124 | -226.929 | -218.636 | -23.812     | -22.693     | -21.864     |
| 1128    | -8.917    | -210.171 | -197.929 | -188.862 | -21.017     | -19.793     | -18.886     |
| 1129    | -8.093    | -199.557 | -187.556 | -178.666 | -19.956     | -18.756     | -17.867     |
| 1130    | -6.318    | -184.47  | -172.2   | -163.111 | -18.447     | -17.22      | -16.311     |
| 1132    | -4.473    | -161.79  | -149.947 | -141.175 | -16.179     | -14.995     | -14.118     |
| 1133    | -3.953    | -159.008 | -146.922 | -137.969 | -15.901     | -14.692     | -13.797     |
| 1134    | -4.998    | -162.192 | -150.839 | -142.43  | -16.219     | -15.084     | -14.243     |
| 1135    | -4.508    | -166.89  | -154.567 | -145.438 | -16.689     | -15.457     | -14.544     |
| 1136    | -4.809    | -170.828 | -158.412 | -149.214 | -17.083     | -15.841     | -14.921     |
| 1180    | -4.356    | -169.674 | -156.916 | -147.465 | -16.967     | -15.692     | -14.746     |
| 1181    | -4.202    | -165.401 | -152.918 | -143.672 | -16.54      | -15.292     | -14.367     |
| 1182    | -4.291    | -160.217 | -148.349 | -139.558 | -16.022     | -14.835     | -13.956     |
| 1183    | -3.786    | -155.38  | -143.49  | -134.683 | -15.538     | -14.349     | -13.468     |

EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1001    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1002    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1003    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1004    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1005    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1006    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1015    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1016    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1005    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1017    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1018    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1019    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1020    | 0.009         | 408275  | 1            | 53   | -72  | 3634    |
| 1021    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1022    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1023    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1024    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1005    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1025    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1026    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1027    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1028    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1029    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1111    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1112    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1113    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1114    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1115    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1116    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1117    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1118    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1119    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1120    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1121    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1122    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1123    | 0.055         | 408275  | 1            | 53   | -72  | 3634    |
| 1124    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1125    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1126    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1128    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1129    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1130    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1132    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1133    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1134    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1135    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1136    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1180    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1181    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1182    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1183    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |

EL3634 Gravity

| station | mga_easting | mga_northing | gate_ddmmyy | ahd_m   | a94_longitude | la94_latitude | dtime_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|--------------|
| 1184    | 632188.006  | 6625288.66   | 28/10/2007  | 111.355 | 136.3774235   | -30.4974135   | 11:55:49     |
| 1185    | 633071.996  | 6625193.47   | 28/10/2007  | 100.871 | 136.3866448   | -30.4981745   | 12:01:23     |
| 1186    | 633103.696  | 6631293.63   | 28/10/2007  | 103.415 | 136.3861952   | -30.4431396   | 12:13:50     |
| 1180    | 628196.807  | 6625161.7    | 28/10/2007  | 112.597 | 136.3358598   | -30.4989916   | 12:51:30     |
| 1259    | 628124.892  | 6623228.14   | 28/10/2007  | 114.437 | 136.335349    | -30.5164428   | 16:15:11     |
| 1260    | 628124.642  | 6624146.53   | 28/10/2007  | 115.28  | 136.3352331   | -30.5081576   | 16:17:42     |
| 1180    | 628196.836  | 6625161.84   | 28/10/2007  | 112.615 | 136.3358601   | -30.4989903   | 16:20:49     |
| 1261    | 629077.189  | 6624239.8    | 28/10/2007  | 113.006 | 136.3451461   | -30.5072141   | 16:23:59     |
| 1262    | 629133.831  | 6623151.18   | 28/10/2007  | 111.709 | 136.3458715   | -30.5170289   | 16:26:21     |
| 1263    | 629144.807  | 6622185.26   | 28/10/2007  | 103.465 | 136.346106    | -30.5257417   | 16:29:38     |
| 1264    | 628143.731  | 6622205.22   | 28/10/2007  | 108.405 | 136.3356715   | -30.525669    | 16:32:52     |
| 1265    | 628144.901  | 6621209.28   | 28/10/2007  | 109.153 | 136.3358066   | -30.5346537   | 16:35:32     |
| 1266    | 628155.999  | 6620149.79   | 28/10/2007  | 108.126 | 136.3360531   | -30.5442105   | 16:38:14     |
| 1267    | 628137.885  | 6619170.89   | 28/10/2007  | 114.082 | 136.3359853   | -30.5530435   | 16:40:46     |
| 1268    | 628137.419  | 6618156.27   | 28/10/2007  | 110.547 | 136.3361058   | -30.5621968   | 16:43:29     |
| 1269    | 628109.647  | 6617171.7    | 28/10/2007  | 110.814 | 136.335938    | -30.571082    | 16:46:11     |
| 1270    | 628133.44   | 6616167.48   | 28/10/2007  | 108.843 | 136.3363103   | -30.5801388   | 16:48:45     |
| 1271    | 629108.464  | 6616164.8    | 28/10/2007  | 108.983 | 136.3464769   | -30.5800582   | 16:51:11     |
| 1272    | 628993.898  | 6617156.63   | 28/10/2007  | 112.846 | 136.3451588   | -30.571123    | 16:53:38     |
| 1273    | 629125.153  | 6618181.33   | 28/10/2007  | 114.231 | 136.3463996   | -30.5618647   | 16:55:59     |
| 1274    | 629142.882  | 6619137.23   | 28/10/2007  | 117.332 | 136.3464653   | -30.5532393   | 16:59:03     |
| 1276    | 629090.025  | 6621233.59   | 28/10/2007  | 110.136 | 136.3456535   | -30.534333    | 17:07:16     |
| 1277    | 630156.604  | 6621154.15   | 28/10/2007  | 106.5   | 136.356779    | -30.5349342   | 17:11:31     |
| 1278    | 630150.066  | 6622184.48   | 28/10/2007  | 107.775 | 136.3565817   | -30.52564     | 17:15:35     |
| 1279    | 630111.18   | 6623199.82   | 28/10/2007  | 110.585 | 136.3560493   | -30.5164845   | 17:18:05     |
| 1280    | 630084.33   | 6624207.07   | 28/10/2007  | 107.665 | 136.3556434   | -30.5074006   | 17:20:36     |
| 1281    | 631090.596  | 6624224.56   | 28/10/2007  | 108.7   | 136.3661253   | -30.5071334   | 17:23:02     |
| 1282    | 632149.155  | 6624155.64   | 28/10/2007  | 106.376 | 136.3771628   | -30.507639    | 17:25:25     |
| 1185    | 633072.343  | 6625193.3    | 28/10/2007  | 100.822 | 136.3866484   | -30.4981761   | 17:28:51     |
| 1283    | 634116.486  | 6626166.93   | 28/10/2007  | 105.419 | 136.3974004   | -30.4892766   | 17:31:42     |
| 1284    | 634145.589  | 6627177.63   | 28/10/2007  | 105.599 | 136.3975733   | -30.4801555   | 17:34:09     |
| 1285    | 634120.509  | 6628170.94   | 28/10/2007  | 107.491 | 136.3971841   | -30.4711974   | 17:36:37     |
| 1286    | 634162.422  | 6629165.65   | 28/10/2007  | 103.494 | 136.3974924   | -30.4622191   | 17:39:09     |
| 1287    | 634159.077  | 6630168.46   | 28/10/2007  | 107.791 | 136.3973285   | -30.4531729   | 17:41:26     |
| 1288    | 634135.211  | 6631168.14   | 28/10/2007  | 97.118  | 136.3969513   | -30.4441571   | 17:44:03     |
| 1289    | 634148.868  | 6632144.17   | 28/10/2007  | 88.226  | 136.3969679   | -30.4353505   | 17:46:33     |
| 1125    | 633168.01   | 6633176.74   | 28/10/2007  | 87.854  | 136.3866244   | -30.4261443   | 17:50:07     |
| 1290    | 634131.649  | 6633200.33   | 28/10/2007  | 83.206  | 136.3966529   | -30.4258245   | 17:52:50     |
| 1291    | 634133.655  | 6634191.37   | 28/10/2007  | 78.144  | 136.3965464   | -30.4168838   | 17:55:34     |
| 1185    | 633072.464  | 6625193.57   | 29/10/2007  | 100.918 | 136.3866497   | -30.4981736   | 5:41:43      |
| 1292    | 628158.589  | 6626157.72   | 29/10/2007  | 114.11  | 136.3353389   | -30.49001     | 5:47:01      |
| 1293    | 631145.62   | 6623179.82   | 29/10/2007  | 109.662 | 136.3668304   | -30.5165523   | 5:51:21      |
| 1294    | 631117.676  | 6622177.5    | 29/10/2007  | 110.703 | 136.3666658   | -30.5255976   | 5:54:12      |
| 1277    | 630156.587  | 6621154.48   | 29/10/2007  | 106.557 | 136.3567788   | -30.5349313   | 5:57:23      |
| 1295    | 630119.853  | 6620146.85   | 29/10/2007  | 109.345 | 136.3565223   | -30.5440255   | 5:59:54      |
| 1296    | 630127.319  | 6619152.01   | 29/10/2007  | 107.106 | 136.3567249   | -30.5529994   | 6:02:17      |
| 1297    | 630110.396  | 6618146.34   | 29/10/2007  | 110.823 | 136.3566748   | -30.5620737   | 6:04:41      |
| 1298    | 630124.988  | 6617200.93   | 29/10/2007  | 103.525 | 136.3569456   | -30.570601    | 6:07:05      |
| 1299    | 630097.205  | 6616137.32   | 29/10/2007  | 107.618 | 136.3567895   | -30.5801991   | 6:09:33      |
| 1300    | 631183.081  | 6616157.32   | 29/10/2007  | 115.08  | 136.3681089   | -30.5799002   | 6:12:06      |
| 1301    | 632103.542  | 6616179.08   | 29/10/2007  | 112.949 | 136.3777033   | -30.5796025   | 6:14:39      |

EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsrg84_mgals | obsrg84_gu | gt_gu       | fag_gu  |
|---------|---------------|-----------|---------------|------------|-------------|---------|
| 1184    | 4095.219      | 0.161     | 979325.429    | 9793254.29 | 9793631.092 | -33.17  |
| 1185    | 4098.313      | 0.165     | 979328.526    | 9793285.26 | 9793631.693 | -35.15  |
| 1186    | 4085.693      | 0.172     | 979315.911    | 9793159.11 | 9793588.244 | -110    |
| 1180    | 4093.82       | 0.187     | 979324.048    | 9793240.48 | 9793632.338 | -44.39  |
| 1259    | 4096.576      | 0.089     | 979326.672    | 9793266.72 | 9793646.126 | -26.26  |
| 1260    | 4095.489      | 0.087     | 979325.582    | 9793255.82 | 9793639.579 | -28.01  |
| 1180    | 4093.97       | 0.083     | 979324.06     | 9793240.6  | 9793632.337 | -44.22  |
| 1261    | 4095.532      | 0.08      | 979325.618    | 9793256.18 | 9793638.834 | -33.93  |
| 1262    | 4098.186      | 0.078     | 979328.269    | 9793282.69 | 9793646.589 | -19.17  |
| 1263    | 4100.915      | 0.075     | 979330.994    | 9793309.94 | 9793653.474 | -24.25  |
| 1264    | 4099.025      | 0.071     | 979329.101    | 9793291.01 | 9793653.417 | -27.88  |
| 1265    | 4100.044      | 0.069     | 979330.116    | 9793301.16 | 9793660.518 | -22.52  |
| 1266    | 4101.338      | 0.066     | 979331.407    | 9793314.07 | 9793668.073 | -20.33  |
| 1267    | 4101.654      | 0.063     | 979331.72     | 9793317.2  | 9793675.057 | -5.81   |
| 1268    | 4104.449      | 0.061     | 979334.512    | 9793345.12 | 9793682.296 | 3.97    |
| 1269    | 4105.286      | 0.058     | 979335.346    | 9793353.46 | 9793689.323 | 6.1     |
| 1270    | 4105.693      | 0.055     | 979335.75     | 9793357.5  | 9793696.488 | -3.11   |
| 1271    | 4106.052      | 0.053     | 979336.106    | 9793361.06 | 9793696.424 | 0.95    |
| 1272    | 4104.705      | 0.05      | 979334.756    | 9793347.56 | 9793689.356 | 6.44    |
| 1273    | 4102.763      | 0.048     | 979332.811    | 9793328.11 | 9793682.033 | -1.41   |
| 1274    | 4100.754      | 0.045     | 979330.799    | 9793307.99 | 9793675.212 | -5.15   |
| 1276    | 4099.803      | 0.036     | 979329.838    | 9793298.38 | 9793660.264 | -22.01  |
| 1277    | 4101.383      | 0.032     | 979331.413    | 9793314.13 | 9793660.74  | -17.96  |
| 1278    | 4100.288      | 0.028     | 979330.313    | 9793303.13 | 9793653.394 | -17.68  |
| 1279    | 4098.192      | 0.026     | 979328.214    | 9793282.14 | 9793646.159 | -22.76  |
| 1280    | 4096.894      | 0.023     | 979326.913    | 9793269.13 | 9793638.981 | -37.6   |
| 1281    | 4097.036      | 0.021     | 979327.052    | 9793270.52 | 9793638.77  | -32.81  |
| 1282    | 4097.958      | 0.018     | 979327.972    | 9793279.72 | 9793639.17  | -31.18  |
| 1185    | 4098.501      | 0.015     | 979328.511    | 9793285.11 | 9793631.694 | -35.46  |
| 1283    | 4096.062      | 0.012     | 979326.068    | 9793260.68 | 9793624.665 | -38.67  |
| 1284    | 4094.144      | 0.01      | 979324.148    | 9793241.48 | 9793617.462 | -50.11  |
| 1285    | 4091.49       | 0.007     | 979321.491    | 9793214.91 | 9793610.389 | -63.77  |
| 1286    | 4090.389      | 0.005     | 979320.387    | 9793203.87 | 9793603.302 | -80.06  |
| 1287    | 4087.698      | 0.003     | 979317.694    | 9793176.94 | 9793596.162 | -86.59  |
| 1288    | 4087.811      | 0         | 979317.804    | 9793178.04 | 9793589.047 | -111.31 |
| 1289    | 4087.121      | -0.002    | 979317.111    | 9793171.11 | 9793582.099 | -138.73 |
| 1125    | 4084.982      | -0.005    | 979314.968    | 9793149.68 | 9793574.837 | -154.05 |
| 1290    | 4085.559      | -0.008    | 979315.542    | 9793155.42 | 9793574.584 | -162.4  |
| 1291    | 4084.543      | -0.01     | 979314.523    | 9793145.23 | 9793567.533 | -181.15 |
| 1185    | 4098.595      | -0.088    | 979328.532    | 9793285.32 | 9793631.692 | -34.95  |
| 1292    | 4092.749      | -0.089    | 979322.684    | 9793226.84 | 9793625.244 | -46.27  |
| 1293    | 4098.336      | -0.091    | 979328.269    | 9793282.69 | 9793646.212 | -25.11  |
| 1294    | 4099.619      | -0.091    | 979329.551    | 9793295.51 | 9793653.36  | -16.23  |
| 1277    | 4101.423      | -0.092    | 979331.354    | 9793313.54 | 9793660.737 | -18.37  |
| 1295    | 4101.152      | -0.093    | 979331.082    | 9793310.82 | 9793667.927 | -19.68  |
| 1296    | 4102.592      | -0.093    | 979332.521    | 9793325.21 | 9793675.022 | -19.29  |
| 1297    | 4103.253      | -0.094    | 979333.181    | 9793331.81 | 9793682.198 | -8.39   |
| 1298    | 4105.985      | -0.094    | 979335.912    | 9793359.12 | 9793688.943 | -10.35  |
| 1299    | 4105.884      | -0.095    | 979335.811    | 9793358.11 | 9793696.536 | -6.33   |
| 1300    | 4104.129      | -0.095    | 979334.055    | 9793340.55 | 9793696.299 | -0.62   |
| 1301    | 4104.696      | -0.095    | 979334.621    | 9793346.21 | 9793696.064 | -1.3    |

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| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1184    | -3.317    | -157.723 | -145.123 | -135.789 | -15.772     | -14.512     | -13.579     |
| 1185    | -3.515    | -147.979 | -136.565 | -128.11  | -14.798     | -13.656     | -12.811     |
| 1186    | -11       | -225.675 | -213.973 | -205.305 | -22.568     | -21.397     | -20.53      |
| 1180    | -4.439    | -170.336 | -157.595 | -148.157 | -17.034     | -15.76      | -14.816     |
| 1259    | -2.626    | -154.264 | -141.315 | -131.723 | -15.426     | -14.131     | -13.172     |
| 1260    | -2.801    | -156.959 | -143.915 | -134.252 | -15.696     | -14.391     | -13.425     |
| 1180    | -4.422    | -170.18  | -157.437 | -147.997 | -17.018     | -15.744     | -14.8       |
| 1261    | -3.393    | -160.328 | -147.54  | -138.068 | -16.033     | -14.754     | -13.807     |
| 1262    | -1.917    | -144.124 | -131.483 | -122.12  | -14.412     | -13.148     | -12.212     |
| 1263    | -2.425    | -139.977 | -128.269 | -119.597 | -13.998     | -12.827     | -11.96      |
| 1264    | -2.788    | -149.131 | -136.865 | -127.778 | -14.913     | -13.686     | -12.778     |
| 1265    | -2.252    | -144.611 | -132.26  | -123.111 | -14.461     | -13.226     | -12.311     |
| 1266    | -2.033    | -141.277 | -129.042 | -119.979 | -14.128     | -12.904     | -11.998     |
| 1267    | -0.581    | -133.414 | -120.505 | -110.943 | -13.341     | -12.05      | -11.094     |
| 1268    | 0.397     | -119.687 | -107.178 | -97.912  | -11.969     | -10.718     | -9.791      |
| 1269    | 0.61      | -117.849 | -105.31  | -96.022  | -11.785     | -10.531     | -9.602      |
| 1270    | -0.311    | -124.852 | -112.535 | -103.412 | -12.485     | -11.254     | -10.341     |
| 1271    | 0.095     | -120.952 | -108.62  | -99.485  | -12.095     | -10.862     | -9.949      |
| 1272    | 0.644     | -119.784 | -107.015 | -97.556  | -11.978     | -10.702     | -9.756      |
| 1273    | -0.141    | -129.187 | -116.261 | -106.686 | -12.919     | -11.626     | -10.669     |
| 1274    | -0.515    | -136.386 | -123.109 | -113.274 | -13.639     | -12.311     | -11.327     |
| 1276    | -2.201    | -145.204 | -132.742 | -123.51  | -14.52      | -13.274     | -12.351     |
| 1277    | -1.796    | -137.082 | -125.031 | -116.104 | -13.708     | -12.503     | -11.61      |
| 1278    | -1.768    | -138.228 | -126.032 | -116.999 | -13.823     | -12.603     | -11.7       |
| 1279    | -2.276    | -146.455 | -133.941 | -124.672 | -14.645     | -13.394     | -12.467     |
| 1280    | -3.76     | -158.032 | -145.849 | -136.824 | -15.803     | -14.585     | -13.682     |
| 1281    | -3.281    | -154.395 | -142.095 | -132.983 | -15.439     | -14.209     | -13.298     |
| 1282    | -3.118    | -150.166 | -138.129 | -129.212 | -15.017     | -13.813     | -12.921     |
| 1185    | -3.546    | -148.227 | -136.818 | -128.367 | -14.823     | -13.682     | -12.837     |
| 1283    | -3.867    | -156.584 | -144.655 | -135.819 | -15.658     | -14.466     | -13.582     |
| 1284    | -5.011    | -168.227 | -156.278 | -147.426 | -16.823     | -15.628     | -14.743     |
| 1285    | -6.377    | -184.002 | -171.839 | -162.829 | -18.4       | -17.184     | -16.283     |
| 1286    | -8.006    | -195.817 | -184.106 | -175.432 | -19.582     | -18.411     | -17.543     |
| 1287    | -8.659    | -207.154 | -194.957 | -185.922 | -20.715     | -19.496     | -18.592     |
| 1288    | -11.131   | -219.936 | -208.946 | -200.806 | -21.994     | -20.895     | -20.081     |
| 1289    | -13.873   | -237.411 | -227.427 | -220.032 | -23.741     | -22.743     | -22.003     |
| 1125    | -15.405   | -252.31  | -242.369 | -235.005 | -25.231     | -24.237     | -23.5       |
| 1290    | -16.24    | -255.462 | -246.047 | -239.072 | -25.546     | -24.605     | -23.907     |
| 1291    | -18.115   | -268.559 | -259.716 | -253.166 | -26.856     | -25.972     | -25.317     |
| 1185    | -3.495    | -147.826 | -136.406 | -127.947 | -14.783     | -13.641     | -12.795     |
| 1292    | -4.627    | -173.906 | -160.994 | -151.429 | -17.391     | -16.099     | -15.143     |
| 1293    | -2.511    | -147.774 | -135.365 | -126.173 | -14.777     | -13.537     | -12.617     |
| 1294    | -1.623    | -140.054 | -127.528 | -118.248 | -14.005     | -12.753     | -11.825     |
| 1277    | -1.837    | -137.558 | -125.5   | -116.569 | -13.756     | -12.55      | -11.657     |
| 1295    | -1.968    | -141.983 | -129.609 | -120.444 | -14.198     | -12.961     | -12.044     |
| 1296    | -1.929    | -139.093 | -126.973 | -117.995 | -13.909     | -12.697     | -11.8       |
| 1297    | -0.839    | -132.357 | -119.816 | -110.527 | -13.236     | -11.982     | -11.053     |
| 1298    | -1.035    | -126.148 | -114.434 | -105.756 | -12.615     | -11.443     | -10.576     |
| 1299    | -0.633    | -126.699 | -114.521 | -105.501 | -12.67      | -11.452     | -10.55      |
| 1300    | -0.062    | -129.343 | -116.321 | -106.675 | -12.934     | -11.632     | -10.668     |
| 1301    | -0.13     | -127.64  | -114.859 | -105.392 | -12.764     | -11.486     | -10.539     |

EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1184    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1185    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1186    | 0.062         | 408275  | 1            | 53   | -72  | 3634    |
| 1180    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1259    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1260    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1180    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1261    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1262    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1263    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1264    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1265    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1266    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1267    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1268    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1269    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1270    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1271    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1272    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1273    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1274    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1276    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1277    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1278    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1279    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1280    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1281    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1282    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1185    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1283    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1284    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1285    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1286    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1287    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1288    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1289    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1125    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1290    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1291    | 0.057         | 408275  | 1            | 53   | -72  | 3634    |
| 1185    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1292    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1293    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1294    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1277    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1295    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1296    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1297    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1298    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1299    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1300    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1301    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |

EL3634 Gravity

| station | mga_easting | mga_northing | gate_ddmmyy | ahd_m   | a94_longitude | la94_latitude | time_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|-------------|
| 1302    | 633091.746  | 6616218.19   | 29/10/2007  | 114.93  | 136.3880017   | -30.5791403   | 6:17:16     |
| 1303    | 634108.786  | 6616210.84   | 29/10/2007  | 122.197 | 136.3986066   | -30.5790931   | 6:19:52     |
| 1304    | 635137.514  | 6616184.21   | 29/10/2007  | 116.413 | 136.4093359   | -30.5792176   | 6:22:17     |
| 1305    | 636121.1    | 6616174.21   | 29/10/2007  | 120.408 | 136.4195923   | -30.5791963   | 6:24:43     |
| 1306    | 637087.063  | 6616134      | 29/10/2007  | 124.442 | 136.4296689   | -30.5794488   | 6:27:15     |
| 1307    | 638112.723  | 6616179.45   | 29/10/2007  | 110.476 | 136.4403565   | -30.5789209   | 6:29:44     |
| 1308    | 639127.913  | 6616175.91   | 29/10/2007  | 112.664 | 136.4509414   | -30.5788353   | 6:32:07     |
| 1309    | 640135.81   | 6616208.56   | 29/10/2007  | 111.037 | 136.4614453   | -30.5784232   | 6:34:25     |
| 1310    | 641129.416  | 6616171.87   | 29/10/2007  | 106.053 | 136.4718095   | -30.5786374   | 6:37:01     |
| 1311    | 642150.541  | 6616223.27   | 29/10/2007  | 111.062 | 136.4824486   | -30.5780529   | 6:39:19     |
| 1312    | 643109.565  | 6616160.76   | 29/10/2007  | 105.666 | 136.4924558   | -30.5785024   | 6:41:48     |
| 1313    | 644132.576  | 6616159.18   | 29/10/2007  | 103.215 | 136.5031217   | -30.578394    | 6:44:10     |
| 1314    | 645131.962  | 6616148.41   | 29/10/2007  | 101.77  | 136.5135425   | -30.5783704   | 6:47:44     |
| 1315    | 646131.745  | 6616175.45   | 29/10/2007  | 101.62  | 136.523962    | -30.5780048   | 6:50:02     |
| 1316    | 647138.073  | 6616160.68   | 29/10/2007  | 107.699 | 136.5344556   | -30.5780148   | 6:52:41     |
| 1317    | 648118.994  | 6616166.48   | 29/10/2007  | 110.221 | 136.5446814   | -30.5778414   | 6:55:13     |
| 1318    | 649131.782  | 6616171.95   | 29/10/2007  | 110.301 | 136.5552394   | -30.5776664   | 6:57:52     |
| 1319    | 650152.836  | 6616165.22   | 29/10/2007  | 99.209  | 136.5658852   | -30.5775995   | 7:00:57     |
| 1320    | 650147.684  | 6617174.33   | 29/10/2007  | 98.439  | 136.5656852   | -30.5684975   | 7:05:04     |
| 1321    | 650159.091  | 6618173.97   | 29/10/2007  | 100.422 | 136.5656593   | -30.5594788   | 7:07:16     |
| 1322    | 650103.777  | 6619184.39   | 29/10/2007  | 96.387  | 136.5649365   | -30.5503713   | 7:09:39     |
| 1323    | 650106.997  | 6620111.22   | 29/10/2007  | 95.516  | 136.5648359   | -30.5420105   | 7:12:13     |
| 1324    | 649160.413  | 6620151.86   | 29/10/2007  | 104.321 | 136.5549652   | -30.541762    | 7:14:37     |
| 1325    | 649102.467  | 6619149.91   | 29/10/2007  | 100.989 | 136.5545053   | -30.5508074   | 7:17:10     |
| 1326    | 649132.93   | 6618173.01   | 29/10/2007  | 98.314  | 136.5549633   | -30.5596157   | 7:19:44     |
| 1327    | 649120.951  | 6617122.91   | 29/10/2007  | 109.241 | 136.5549896   | -30.5690896   | 7:22:08     |
| 1329    | 647145.365  | 6617159.29   | 29/10/2007  | 104.402 | 136.5343898   | -30.5690058   | 7:27:01     |
| 1330    | 646141.264  | 6617183.25   | 29/10/2007  | 108.93  | 136.5239191   | -30.5689126   | 7:30:02     |
| 1331    | 645146.048  | 6617180.69   | 29/10/2007  | 109.277 | 136.5135447   | -30.5690569   | 7:32:53     |
| 1332    | 644120.219  | 6617162.65   | 29/10/2007  | 108.622 | 136.5028532   | -30.5693435   | 7:35:27     |
| 1334    | 642190.776  | 6617184.89   | 29/10/2007  | 113.493 | 136.4827361   | -30.5693735   | 7:39:54     |
| 1335    | 641130.163  | 6617162.21   | 29/10/2007  | 107.296 | 136.4716824   | -30.5697036   | 7:42:01     |
| 1336    | 640131.038  | 6617192.2    | 29/10/2007  | 113.006 | 136.4612625   | -30.5695504   | 7:44:23     |
| 1337    | 639131.374  | 6617156.7    | 29/10/2007  | 113.653 | 136.4508458   | -30.5699872   | 7:46:45     |
| 1338    | 638138.222  | 6617160.24   | 29/10/2007  | 117.72  | 136.4404916   | -30.5700703   | 7:49:03     |
| 1339    | 637122.37   | 6617170.58   | 29/10/2007  | 118.12  | 136.4298998   | -30.5700938   | 7:51:27     |
| 1340    | 636115.706  | 6617176.69   | 29/10/2007  | 123.014 | 136.4194043   | -30.5701535   | 7:54:00     |
| 1341    | 635125.095  | 6617160.43   | 29/10/2007  | 120.604 | 136.409079    | -30.5704124   | 7:56:15     |
| 1342    | 634146.528  | 6617154.46   | 29/10/2007  | 113.738 | 136.3988779   | -30.5705764   | 7:58:38     |
| 1343    | 633124.738  | 6617147.81   | 29/10/2007  | 104.935 | 136.3882262   | -30.5707504   | 8:00:53     |
| 1344    | 632140.749  | 6617163.05   | 29/10/2007  | 116.673 | 136.3779657   | -30.5707219   | 8:07:14     |
| 1345    | 631163.701  | 6617162.62   | 29/10/2007  | 123.095 | 136.3677796   | -30.5708332   | 8:09:36     |
| 1346    | 631136.826  | 6618161.23   | 29/10/2007  | 110.363 | 136.367373    | -30.5618274   | 8:12:05     |
| 1347    | 631129.272  | 6619186.34   | 29/10/2007  | 110.588 | 136.3671646   | -30.5525805   | 8:14:32     |
| 1349    | 632119.915  | 6618147.85   | 29/10/2007  | 108.074 | 136.377623    | -30.5618401   | 8:19:19     |
| 1350    | 633134.001  | 6618177.14   | 29/10/2007  | 105.8   | 136.3881905   | -30.5614635   | 8:21:51     |
| 1351    | 634139.48   | 6618178.37   | 29/10/2007  | 113.858 | 136.3986719   | -30.5613403   | 8:24:21     |
| 1352    | 635142.5    | 6618167.5    | 29/10/2007  | 115.106 | 136.4091292   | -30.5613256   | 8:26:50     |
| 1353    | 636140.661  | 6618205.93   | 29/10/2007  | 118.464 | 136.4195293   | -30.5608659   | 8:29:35     |
| 1354    | 637143.475  | 6618158.79   | 29/10/2007  | 123.07  | 136.429989    | -30.5611767   | 8:32:07     |
| 1355    | 638121.121  | 6618146.58   | 29/10/2007  | 114.296 | 136.4401818   | -30.5611746   | 8:34:54     |

EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsg84_mgals | obsg84_gu  | gt_gu       | fag_gu |
|---------|---------------|-----------|--------------|------------|-------------|--------|
| 1302    | 4104.07       | -0.096    | 979333.995   | 9793339.95 | 9793695.698 | -1.09  |
| 1303    | 4101.828      | -0.096    | 979331.752   | 9793317.52 | 9793695.661 | -1.05  |
| 1304    | 4102.802      | -0.096    | 979332.725   | 9793327.25 | 9793695.759 | -9.26  |
| 1305    | 4101.504      | -0.097    | 979331.427   | 9793314.27 | 9793695.742 | -9.9   |
| 1306    | 4100.912      | -0.097    | 979330.834   | 9793308.34 | 9793695.942 | -3.58  |
| 1307    | 4103.681      | -0.097    | 979333.603   | 9793336.03 | 9793695.524 | -18.58 |
| 1308    | 4103.541      | -0.097    | 979333.462   | 9793334.62 | 9793695.457 | -13.16 |
| 1309    | 4103.888      | -0.097    | 979333.809   | 9793338.09 | 9793695.131 | -14.39 |
| 1310    | 4105.159      | -0.097    | 979335.079   | 9793350.79 | 9793695.3   | -17.23 |
| 1311    | 4103.687      | -0.097    | 979333.607   | 9793336.07 | 9793694.838 | -16.04 |
| 1312    | 4104.377      | -0.097    | 979334.297   | 9793342.97 | 9793695.193 | -26.15 |
| 1313    | 4104.832      | -0.097    | 979334.752   | 9793347.52 | 9793695.108 | -29.08 |
| 1314    | 4105.559      | -0.097    | 979335.478   | 9793354.78 | 9793695.089 | -26.25 |
| 1315    | 4104.446      | -0.097    | 979334.365   | 9793343.65 | 9793694.8   | -37.56 |
| 1316    | 4102.476      | -0.097    | 979332.395   | 9793323.95 | 9793694.808 | -38.51 |
| 1317    | 4101.809      | -0.097    | 979331.728   | 9793317.28 | 9793694.67  | -37.26 |
| 1318    | 4102.676      | -0.097    | 979332.595   | 9793325.95 | 9793694.532 | -28.21 |
| 1319    | 4105.675      | -0.096    | 979335.593   | 9793355.93 | 9793694.479 | -32.39 |
| 1320    | 4105.158      | -0.096    | 979335.076   | 9793350.76 | 9793687.279 | -32.74 |
| 1321    | 4103.701      | -0.096    | 979333.62    | 9793336.2  | 9793680.146 | -34.06 |
| 1322    | 4104.095      | -0.095    | 979334.014   | 9793340.14 | 9793672.944 | -35.37 |
| 1323    | 4103.307      | -0.095    | 979333.226   | 9793332.26 | 9793666.334 | -39.32 |
| 1324    | 4102.053      | -0.094    | 979331.972   | 9793319.72 | 9793666.137 | -24.49 |
| 1325    | 4103.482      | -0.094    | 979333.401   | 9793334.01 | 9793673.289 | -27.63 |
| 1326    | 4104.537      | -0.093    | 979334.456   | 9793344.56 | 9793680.254 | -32.3  |
| 1327    | 4102.47       | -0.093    | 979332.39    | 9793323.9  | 9793687.747 | -26.74 |
| 1329    | 4103.26       | -0.091    | 979333.18    | 9793331.8  | 9793687.681 | -33.7  |
| 1330    | 4102.774      | -0.091    | 979332.695   | 9793326.95 | 9793687.607 | -24.51 |
| 1331    | 4103.289      | -0.09     | 979333.21    | 9793332.1  | 9793687.721 | -18.4  |
| 1332    | 4104.369      | -0.089    | 979334.29    | 9793342.9  | 9793687.948 | -9.84  |
| 1334    | 4103.194      | -0.088    | 979333.116   | 9793331.16 | 9793687.972 | -6.58  |
| 1335    | 4104.781      | -0.087    | 979334.704   | 9793347.04 | 9793688.233 | -10.09 |
| 1336    | 4103.314      | -0.086    | 979333.237   | 9793332.37 | 9793688.112 | -7.01  |
| 1337    | 4102.49       | -0.085    | 979332.414   | 9793324.14 | 9793688.457 | -13.59 |
| 1338    | 4100.917      | -0.084    | 979330.842   | 9793308.42 | 9793688.523 | -16.83 |
| 1339    | 4100.975      | -0.083    | 979330.9     | 9793309    | 9793688.542 | -15.03 |
| 1340    | 4100.347      | -0.082    | 979330.273   | 9793302.73 | 9793688.589 | -6.25  |
| 1341    | 4101.153      | -0.081    | 979331.08    | 9793310.8  | 9793688.794 | -5.82  |
| 1342    | 4102.518      | -0.08     | 979332.445   | 9793324.45 | 9793688.923 | -13.48 |
| 1343    | 4105.125      | -0.079    | 979335.053   | 9793350.53 | 9793689.061 | -14.71 |
| 1344    | 4102.415      | -0.076    | 979332.345   | 9793323.45 | 9793689.038 | -5.54  |
| 1345    | 4101.437      | -0.075    | 979331.368   | 9793313.68 | 9793689.126 | 4.42   |
| 1346    | 4103.08       | -0.074    | 979333.012   | 9793330.12 | 9793682.003 | -11.31 |
| 1347    | 4101.956      | -0.073    | 979331.889   | 9793318.89 | 9793674.691 | -14.53 |
| 1349    | 4103.703      | -0.07     | 979333.638   | 9793336.38 | 9793682.013 | -12.12 |
| 1350    | 4103.913      | -0.068    | 979333.849   | 9793338.49 | 9793681.716 | -16.73 |
| 1351    | 4102.022      | -0.067    | 979331.96    | 9793319.6  | 9793681.618 | -10.67 |
| 1352    | 4101.799      | -0.065    | 979331.738   | 9793317.38 | 9793681.606 | -9.02  |
| 1353    | 4100.082      | -0.064    | 979330.022   | 9793300.22 | 9793681.243 | -15.45 |
| 1354    | 4099.131      | -0.062    | 979329.072   | 9793290.72 | 9793681.489 | -10.98 |
| 1355    | 4101.902      | -0.06     | 979331.845   | 9793318.45 | 9793681.487 | -10.33 |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1302    | -0.109    | -129.637 | -116.632 | -106.999 | -12.964     | -11.663     | -10.7       |
| 1303    | -0.105    | -137.734 | -123.907 | -113.664 | -13.773     | -12.391     | -11.366     |
| 1304    | -0.926    | -139.481 | -126.308 | -116.55  | -13.948     | -12.631     | -11.655     |
| 1305    | -0.99     | -144.585 | -130.96  | -120.868 | -14.459     | -13.096     | -12.087     |
| 1306    | -0.358    | -142.779 | -128.698 | -118.267 | -14.278     | -12.87      | -11.827     |
| 1307    | -1.858    | -142.146 | -129.644 | -120.384 | -14.215     | -12.964     | -12.038     |
| 1308    | -1.316    | -139.184 | -126.435 | -116.991 | -13.918     | -12.643     | -11.699     |
| 1309    | -1.439    | -138.588 | -126.024 | -116.716 | -13.859     | -12.602     | -11.672     |
| 1310    | -1.723    | -135.862 | -123.862 | -114.972 | -13.586     | -12.386     | -11.497     |
| 1311    | -1.604    | -140.266 | -127.699 | -118.389 | -14.027     | -12.77      | -11.839     |
| 1312    | -2.615    | -144.337 | -132.38  | -123.523 | -14.434     | -13.238     | -12.352     |
| 1313    | -2.908    | -144.523 | -132.843 | -124.192 | -14.452     | -13.284     | -12.419     |
| 1314    | -2.625    | -140.087 | -128.571 | -120.04  | -14.009     | -12.857     | -12.004     |
| 1315    | -3.756    | -151.223 | -139.724 | -131.206 | -15.122     | -13.972     | -13.121     |
| 1316    | -3.851    | -158.972 | -146.785 | -137.758 | -15.897     | -14.678     | -13.776     |
| 1317    | -3.726    | -160.543 | -148.071 | -138.832 | -16.054     | -14.807     | -13.883     |
| 1318    | -2.821    | -151.577 | -139.096 | -129.851 | -15.158     | -13.91      | -12.985     |
| 1319    | -3.239    | -143.365 | -132.139 | -123.823 | -14.337     | -13.214     | -12.382     |
| 1320    | -3.274    | -142.85  | -131.711 | -123.459 | -14.285     | -13.171     | -12.346     |
| 1321    | -3.406    | -146.376 | -135.012 | -126.595 | -14.638     | -13.501     | -12.659     |
| 1322    | -3.537    | -143.172 | -132.265 | -124.186 | -14.317     | -13.226     | -12.419     |
| 1323    | -3.932    | -146.155 | -135.346 | -127.34  | -14.615     | -13.535     | -12.734     |
| 1324    | -2.449    | -141.176 | -129.372 | -120.628 | -14.118     | -12.937     | -12.063     |
| 1325    | -2.763    | -140.593 | -129.165 | -120.7   | -14.059     | -12.917     | -12.07      |
| 1326    | -3.23     | -142.271 | -131.146 | -122.905 | -14.227     | -13.115     | -12.291     |
| 1327    | -2.674    | -148.928 | -136.566 | -127.41  | -14.893     | -13.657     | -12.741     |
| 1329    | -3.37     | -150.481 | -138.667 | -129.916 | -15.048     | -13.867     | -12.992     |
| 1330    | -2.451    | -146.35  | -134.024 | -124.893 | -14.635     | -13.402     | -12.489     |
| 1331    | -1.84     | -140.631 | -128.266 | -119.106 | -14.063     | -12.827     | -11.911     |
| 1332    | -0.984    | -131.346 | -119.055 | -109.95  | -13.135     | -11.906     | -10.995     |
| 1334    | -0.658    | -133.528 | -120.685 | -111.172 | -13.353     | -12.069     | -11.117     |
| 1335    | -1.009    | -130.1   | -117.959 | -108.965 | -13.01      | -11.796     | -10.896     |
| 1336    | -0.701    | -133.416 | -120.628 | -111.156 | -13.342     | -12.063     | -11.116     |
| 1337    | -1.359    | -140.718 | -127.858 | -118.331 | -14.072     | -12.786     | -11.833     |
| 1338    | -1.683    | -148.504 | -135.183 | -125.315 | -14.85      | -13.518     | -12.532     |
| 1339    | -1.503    | -147.155 | -133.789 | -123.888 | -14.716     | -13.379     | -12.389     |
| 1340    | -0.625    | -143.845 | -129.925 | -119.614 | -14.385     | -12.993     | -11.961     |
| 1341    | -0.582    | -140.721 | -127.074 | -116.965 | -14.072     | -12.707     | -11.696     |
| 1342    | -1.348    | -140.707 | -127.837 | -118.304 | -14.071     | -12.784     | -11.83      |
| 1343    | -1.471    | -132.082 | -120.208 | -111.413 | -13.208     | -12.021     | -11.141     |
| 1344    | -0.554    | -136.049 | -122.846 | -113.067 | -13.605     | -12.285     | -11.307     |
| 1345    | 0.442     | -133.273 | -119.344 | -109.026 | -13.327     | -11.934     | -10.903     |
| 1346    | -1.131    | -134.757 | -122.268 | -113.018 | -13.476     | -12.227     | -11.302     |
| 1347    | -1.453    | -138.231 | -125.718 | -116.448 | -13.823     | -12.572     | -11.645     |
| 1349    | -1.212    | -133.01  | -120.78  | -111.722 | -13.301     | -12.078     | -11.172     |
| 1350    | -1.673    | -135.075 | -123.103 | -114.235 | -13.508     | -12.31      | -11.424     |
| 1351    | -1.067    | -138.016 | -125.132 | -115.589 | -13.802     | -12.513     | -11.559     |
| 1352    | -0.902    | -137.769 | -124.744 | -115.096 | -13.777     | -12.474     | -11.51      |
| 1353    | -1.545    | -147.96  | -134.555 | -124.625 | -14.796     | -13.455     | -12.463     |
| 1354    | -1.098    | -148.645 | -134.719 | -124.403 | -14.864     | -13.472     | -12.44      |
| 1355    | -1.033    | -138.173 | -125.24  | -115.66  | -13.817     | -12.524     | -11.566     |

## EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1302    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1303    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1304    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1305    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1306    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1307    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1308    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1309    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1310    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1311    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1312    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1313    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1314    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1315    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1316    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1317    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1318    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1319    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1320    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1321    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1322    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1323    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1324    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1325    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1326    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1327    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1329    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1330    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1331    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1332    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1334    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1335    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1336    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1337    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1338    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1339    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1340    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1341    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1342    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1343    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1344    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1345    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1346    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1347    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1349    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1350    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1351    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1352    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1353    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1354    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1355    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |

## EL3634 Gravity

| station | mga_easting | mga_northing | gate_ddmmyy | ahd_m   | a94_longitude | la94_latitude | dtime_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|--------------|
| 1356    | 639130.048  | 6618167.51   | 29/10/2007  | 116.023 | 136.4506962   | -30.560869    | 8:37:20      |
| 1357    | 640120.589  | 6618168.51   | 29/10/2007  | 115.66  | 136.4610216   | -30.5607445   | 8:40:02      |
| 1358    | 641119.187  | 6618142.43   | 29/10/2007  | 110.65  | 136.4714345   | -30.5608625   | 8:42:48      |
| 1359    | 642135.523  | 6618171.8    | 29/10/2007  | 108.966 | 136.4820247   | -30.5604773   | 8:45:24      |
| 1360    | 643145.281  | 6618132.77   | 29/10/2007  | 115.011 | 136.4925557   | -30.5607092   | 8:48:00      |
| 1361    | 644165.92   | 6618167.17   | 29/10/2007  | 113.636 | 136.5031899   | -30.5602764   | 8:50:32      |
| 1362    | 645142.777  | 6618172.59   | 29/10/2007  | 107.3   | 136.5133717   | -30.5601096   | 8:52:48      |
| 1363    | 646136.151  | 6618183.48   | 29/10/2007  | 112.149 | 136.5237247   | -30.5598906   | 8:55:11      |
| 1364    | 647114.502  | 6618207.34   | 29/10/2007  | 100.673 | 136.5339193   | -30.5595556   | 8:57:41      |
| 1365    | 648163.439  | 6618191.53   | 29/10/2007  | 101.739 | 136.5448552   | -30.5595689   | 9:02:14      |
| 1366    | 648094.182  | 6619154.23   | 29/10/2007  | 101.02  | 136.5439958   | -30.5508934   | 9:04:56      |
| 1367    | 648107.452  | 6620085.14   | 29/10/2007  | 107.907 | 136.5440012   | -30.5424944   | 9:07:49      |
| 1368    | 648135.16   | 6621159.06   | 29/10/2007  | 108.537 | 136.5441366   | -30.5328036   | 9:10:52      |
| 1369    | 649116.143  | 6621149.57   | 29/10/2007  | 100.444 | 136.5543605   | -30.5327677   | 9:13:26      |
| 1370    | 650109.428  | 6621166.14   | 29/10/2007  | 96.017  | 136.5647087   | -30.5324942   | 9:15:55      |
| 1371    | 650132.56   | 6622182.44   | 29/10/2007  | 104.564 | 136.5648027   | -30.5233238   | 9:18:46      |
| 1372    | 649130.534  | 6622141.93   | 29/10/2007  | 99.214  | 136.5543679   | -30.5238143   | 9:21:10      |
| 1373    | 648093.736  | 6622160.64   | 29/10/2007  | 106.577 | 136.5435621   | -30.5237739   | 9:24:21      |
| 1374    | 647146.937  | 6622159.01   | 29/10/2007  | 107.482 | 136.533697    | -30.5239051   | 9:26:48      |
| 1375    | 647150.863  | 6621170.57   | 29/10/2007  | 111.62  | 136.533878    | -30.532821    | 9:29:15      |
| 1376    | 647140.608  | 6620173.83   | 29/10/2007  | 110.26  | 136.5339124   | -30.5418135   | 9:31:44      |
| 1377    | 647129.807  | 6619197.43   | 29/10/2007  | 110.15  | 136.5339384   | -30.5506225   | 9:34:06      |
| 1378    | 646133.201  | 6619157.47   | 29/10/2007  | 106.744 | 136.5235567   | -30.5511049   | 9:37:26      |
| 1379    | 645128.593  | 6619161.39   | 29/10/2007  | 112.451 | 136.5130854   | -30.5511917   | 9:39:53      |
| 1380    | 644167.958  | 6619140.42   | 29/10/2007  | 113.309 | 136.5030758   | -30.5514968   | 9:42:15      |
| 1381    | 643125.379  | 6619166.89   | 29/10/2007  | 115.522 | 136.4922055   | -30.551383    | 9:44:56      |
| 1382    | 642141.622  | 6619127.34   | 29/10/2007  | 110.115 | 136.4819573   | -30.5518569   | 9:47:54      |
| 1383    | 641128.448  | 6619179.4    | 29/10/2007  | 109.739 | 136.4713899   | -30.551507    | 9:50:25      |
| 1384    | 640138.993  | 6619158.24   | 29/10/2007  | 119.968 | 136.4610796   | -30.551814    | 9:52:56      |
| 1385    | 639112.886  | 6619159.46   | 29/10/2007  | 114.492 | 136.4503842   | -30.5519226   | 9:55:21      |
| 1386    | 638140.432  | 6619214.34   | 29/10/2007  | 120.884 | 136.4402409   | -30.55154     | 9:58:16      |
| 1387    | 637105.738  | 6619208.79   | 29/10/2007  | 115.194 | 136.4294568   | -30.5517089   | 10:01:11     |
| 1389    | 635136.793  | 6619161.59   | 29/10/2007  | 114.361 | 136.4089401   | -30.5523585   | 10:20:38     |
| 1390    | 634143.239  | 6619144.15   | 29/10/2007  | 117.292 | 136.3985861   | -30.5526275   | 10:23:18     |
| 1391    | 633137.396  | 6619178.38   | 29/10/2007  | 116.375 | 136.3880974   | -30.5524308   | 10:25:43     |
| 1392    | 633128.682  | 6620156.47   | 29/10/2007  | 117.583 | 136.387881    | -30.5436082   | 10:28:20     |
| 1393    | 632086.755  | 6620182.75   | 29/10/2007  | 109.67  | 136.3770181   | -30.5434865   | 10:30:53     |
| 1394    | 631125.7    | 6620200.11   | 29/10/2007  | 105.181 | 136.3669992   | -30.5434354   | 10:33:28     |
| 1277    | 630156.438  | 6621154.47   | 29/10/2007  | 106.477 | 136.3567772   | -30.5349314   | 10:36:48     |
| 1395    | 631125.768  | 6621172.41   | 29/10/2007  | 105.023 | 136.366877    | -30.5346639   | 10:39:36     |
| 1396    | 632182.153  | 6621193.38   | 29/10/2007  | 105.837 | 136.3778836   | -30.5343588   | 10:42:05     |
| 1397    | 632128.709  | 6622196.86   | 29/10/2007  | 113.191 | 136.3771989   | -30.5253121   | 10:44:25     |
| 1398    | 632114.035  | 6623172.86   | 29/10/2007  | 112.25  | 136.3769219   | -30.5165088   | 10:46:46     |
| 1399    | 633211.953  | 6623169.17   | 29/10/2007  | 107.221 | 136.3883623   | -30.5164207   | 10:49:40     |
| 1400    | 633111.705  | 6622088.47   | 29/10/2007  | 111.324 | 136.3874563   | -30.5261811   | 10:52:26     |
| 1402    | 634135.867  | 6621169.35   | 29/10/2007  | 115.256 | 136.3982474   | -30.5343586   | 10:58:16     |
| 1403    | 634157.057  | 6620156.67   | 29/10/2007  | 106.554 | 136.3985992   | -30.5434918   | 11:00:45     |
| 1404    | 635155.011  | 6620137.67   | 29/10/2007  | 109.064 | 136.4090028   | -30.543551    | 11:04:22     |
| 1405    | 636154.489  | 6620183.29   | 29/10/2007  | 113.55  | 136.4194138   | -30.5430264   | 11:07:08     |
| 1406    | 637105.078  | 6620140.41   | 29/10/2007  | 110.747 | 136.4293268   | -30.5433049   | 11:09:28     |
| 1407    | 638122.232  | 6620158.99   | 29/10/2007  | 118.065 | 136.4399254   | -30.5430205   | 11:11:47     |

EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsg84_mgals | obsg84_gu  | gt_gu       | fag_gu |
|---------|---------------|-----------|--------------|------------|-------------|--------|
| 1356    | 4102.591      | -0.059    | 979332.535   | 9793325.35 | 9793681.245 | 2.15   |
| 1357    | 4102.931      | -0.057    | 979332.877   | 9793328.77 | 9793681.147 | 4.54   |
| 1358    | 4103.832      | -0.055    | 979333.779   | 9793337.79 | 9793681.24  | -1.99  |
| 1359    | 4103.983      | -0.053    | 979333.932   | 9793339.32 | 9793680.936 | -5.36  |
| 1360    | 4102.454      | -0.051    | 979332.404   | 9793324.04 | 9793681.119 | -2.16  |
| 1361    | 4101.756      | -0.049    | 979331.708   | 9793317.08 | 9793680.777 | -13.03 |
| 1362    | 4102.535      | -0.048    | 979332.488   | 9793324.88 | 9793680.645 | -24.64 |
| 1363    | 4101.362      | -0.046    | 979331.317   | 9793313.17 | 9793680.472 | -21.22 |
| 1364    | 4103.289      | -0.044    | 979333.245   | 9793332.45 | 9793680.207 | -37.08 |
| 1365    | 4103.342      | -0.04     | 979333.301   | 9793333.01 | 9793680.217 | -33.25 |
| 1366    | 4103.443      | -0.038    | 979333.404   | 9793334.04 | 9793673.357 | -27.58 |
| 1367    | 4101.909      | -0.036    | 979331.872   | 9793318.72 | 9793666.716 | -15    |
| 1368    | 4100.504      | -0.034    | 979330.469   | 9793304.69 | 9793659.056 | -19.43 |
| 1369    | 4101.553      | -0.031    | 979331.52    | 9793315.2  | 9793659.027 | -33.87 |
| 1370    | 4102.57       | -0.029    | 979332.539   | 9793325.39 | 9793658.811 | -37.12 |
| 1371    | 4100.338      | -0.027    | 979330.309   | 9793303.09 | 9793651.563 | -25.8  |
| 1372    | 4101.2        | -0.025    | 979331.172   | 9793311.72 | 9793651.951 | -34.06 |
| 1373    | 4100.158      | -0.022    | 979330.133   | 9793301.33 | 9793651.919 | -21.7  |
| 1374    | 4099.334      | -0.02     | 979329.31    | 9793293.1  | 9793652.023 | -27.24 |
| 1375    | 4100.039      | -0.018    | 979330.017   | 9793300.17 | 9793659.069 | -14.45 |
| 1376    | 4101.239      | -0.016    | 979331.219   | 9793312.19 | 9793666.178 | -13.73 |
| 1377    | 4101.162      | -0.014    | 979331.144   | 9793311.44 | 9793673.143 | -21.79 |
| 1378    | 4102.499      | -0.011    | 979332.483   | 9793324.83 | 9793673.524 | -19.29 |
| 1379    | 4100.827      | -0.009    | 979330.813   | 9793308.13 | 9793673.593 | -18.44 |
| 1380    | 4100.891      | -0.007    | 979330.879   | 9793308.79 | 9793673.834 | -15.38 |
| 1381    | 4101.078      | -0.004    | 979331.068   | 9793310.68 | 9793673.744 | -6.57  |
| 1382    | 4102.755      | -0.001    | 979332.748   | 9793327.48 | 9793674.119 | -6.84  |
| 1383    | 4103.231      | 0.001     | 979333.226   | 9793332.26 | 9793673.842 | -2.94  |
| 1384    | 4101.199      | 0.003     | 979331.195   | 9793311.95 | 9793674.085 | 8.08   |
| 1385    | 4102.32       | 0.005     | 979332.318   | 9793323.18 | 9793674.171 | 2.33   |
| 1386    | 4100.746      | 0.008     | 979330.747   | 9793307.47 | 9793673.868 | 6.64   |
| 1387    | 4100.76       | 0.011     | 979330.763   | 9793307.63 | 9793674.002 | -10.89 |
| 1389    | 4101.029      | 0.029     | 979331.048   | 9793310.48 | 9793674.515 | -11.12 |
| 1390    | 4100.453      | 0.032     | 979330.474   | 9793304.74 | 9793674.728 | -8.03  |
| 1391    | 4100.626      | 0.034     | 979330.649   | 9793306.49 | 9793674.573 | -8.95  |
| 1392    | 4099.943      | 0.037     | 979329.969   | 9793299.69 | 9793667.597 | -5.06  |
| 1393    | 4101.584      | 0.039     | 979331.612   | 9793316.12 | 9793667.501 | -12.95 |
| 1394    | 4102.655      | 0.042     | 979332.685   | 9793326.85 | 9793667.46  | -16.03 |
| 1277    | 4101.366      | 0.045     | 979331.399   | 9793313.99 | 9793660.738 | -18.17 |
| 1395    | 4101.649      | 0.048     | 979331.684   | 9793316.84 | 9793660.526 | -19.59 |
| 1396    | 4101.237      | 0.05      | 979331.274   | 9793312.74 | 9793660.285 | -20.94 |
| 1397    | 4099.218      | 0.052     | 979329.257   | 9793292.57 | 9793653.135 | -11.26 |
| 1398    | 4097.934      | 0.055     | 979327.975   | 9793279.75 | 9793646.178 | -20.03 |
| 1399    | 4099.5        | 0.057     | 979329.544   | 9793295.44 | 9793646.108 | -19.8  |
| 1400    | 4099.958      | 0.06      | 979330.004   | 9793300.04 | 9793653.821 | -10.24 |
| 1402    | 4099.969      | 0.066     | 979330.02    | 9793300.2  | 9793660.285 | -4.42  |
| 1403    | 4102.229      | 0.068     | 979332.282   | 9793322.82 | 9793667.505 | -15.87 |
| 1404    | 4101.921      | 0.071     | 979331.977   | 9793319.77 | 9793667.552 | -11.22 |
| 1405    | 4101.311      | 0.074     | 979331.369   | 9793313.69 | 9793667.137 | -3.04  |
| 1406    | 4101.442      | 0.076     | 979331.502   | 9793315.02 | 9793667.357 | -10.58 |
| 1407    | 4100.625      | 0.079     | 979330.687   | 9793306.87 | 9793667.132 | 4.08   |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1356    | 0.215     | -127.634 | -114.505 | -104.78  | -12.763     | -11.451     | -10.478     |
| 1357    | 0.454     | -124.83  | -111.742 | -102.048 | -12.483     | -11.174     | -10.205     |
| 1358    | -0.199    | -125.759 | -113.238 | -103.963 | -12.576     | -11.324     | -10.396     |
| 1359    | -0.536    | -127.237 | -114.907 | -105.773 | -12.724     | -11.491     | -10.577     |
| 1360    | -0.216    | -130.809 | -117.794 | -108.154 | -13.081     | -11.779     | -10.815     |
| 1361    | -1.303    | -140.131 | -127.273 | -117.748 | -14.013     | -12.727     | -11.775     |
| 1362    | -2.464    | -144.664 | -132.522 | -123.528 | -14.466     | -13.252     | -12.353     |
| 1363    | -2.122    | -146.661 | -133.971 | -124.571 | -14.666     | -13.397     | -12.457     |
| 1364    | -3.708    | -149.693 | -138.301 | -129.862 | -14.969     | -13.83      | -12.986     |
| 1365    | -3.325    | -147.046 | -135.534 | -127.006 | -14.705     | -13.553     | -12.701     |
| 1366    | -2.758    | -140.57  | -129.139 | -120.671 | -14.057     | -12.914     | -12.067     |
| 1367    | -1.5      | -135.701 | -123.491 | -114.446 | -13.57      | -12.349     | -11.445     |
| 1368    | -1.943    | -140.831 | -128.549 | -119.452 | -14.083     | -12.855     | -11.945     |
| 1369    | -3.387    | -146.213 | -134.847 | -126.428 | -14.621     | -13.485     | -12.643     |
| 1370    | -3.712    | -144.516 | -133.651 | -125.603 | -14.452     | -13.365     | -12.56      |
| 1371    | -2.58     | -142.754 | -130.922 | -122.158 | -14.275     | -13.092     | -12.216     |
| 1372    | -3.406    | -145.037 | -133.81  | -125.494 | -14.504     | -13.381     | -12.549     |
| 1373    | -2.17     | -140.91  | -128.85  | -119.917 | -14.091     | -12.885     | -11.992     |
| 1374    | -2.724    | -147.463 | -135.301 | -126.292 | -14.746     | -13.53      | -12.629     |
| 1375    | -1.445    | -139.3   | -126.669 | -117.313 | -13.93      | -12.667     | -11.731     |
| 1376    | -1.373    | -137.064 | -124.587 | -115.345 | -13.706     | -12.459     | -11.535     |
| 1377    | -2.179    | -144.995 | -132.531 | -123.298 | -14.499     | -13.253     | -12.33      |
| 1378    | -1.929    | -138.687 | -126.608 | -117.661 | -13.869     | -12.661     | -11.766     |
| 1379    | -1.844    | -144.228 | -131.504 | -122.078 | -14.423     | -13.15      | -12.208     |
| 1380    | -1.538    | -142.122 | -129.3   | -119.803 | -14.212     | -12.93      | -11.98      |
| 1381    | -0.657    | -135.788 | -122.716 | -113.033 | -13.579     | -12.272     | -11.303     |
| 1382    | -0.684    | -130     | -117.54  | -108.31  | -13         | -11.754     | -10.831     |
| 1383    | -0.294    | -125.683 | -113.265 | -104.067 | -12.568     | -11.327     | -10.407     |
| 1384    | 0.808     | -126.113 | -112.538 | -102.482 | -12.611     | -11.254     | -10.248     |
| 1385    | 0.233     | -125.741 | -112.786 | -103.189 | -12.574     | -11.279     | -10.319     |
| 1386    | 0.664     | -128.574 | -114.896 | -104.763 | -12.857     | -11.49      | -10.476     |
| 1387    | -1.089    | -139.741 | -126.706 | -117.051 | -13.974     | -12.671     | -11.705     |
| 1389    | -1.112    | -139.044 | -126.103 | -116.517 | -13.904     | -12.61      | -11.652     |
| 1390    | -0.803    | -139.23  | -125.958 | -116.127 | -13.923     | -12.596     | -11.613     |
| 1391    | -0.895    | -139.129 | -125.96  | -116.206 | -13.913     | -12.596     | -11.621     |
| 1392    | -0.506    | -136.577 | -123.271 | -113.416 | -13.658     | -12.327     | -11.342     |
| 1393    | -1.295    | -135.617 | -123.207 | -114.015 | -13.562     | -12.321     | -11.401     |
| 1394    | -1.603    | -133.678 | -121.776 | -112.959 | -13.368     | -12.178     | -11.296     |
| 1277    | -1.817    | -137.265 | -125.217 | -116.292 | -13.727     | -12.522     | -11.629     |
| 1395    | -1.959    | -137.064 | -125.18  | -116.377 | -13.706     | -12.518     | -11.638     |
| 1396    | -2.094    | -139.322 | -127.346 | -118.474 | -13.932     | -12.735     | -11.847     |
| 1397    | -1.126    | -137.874 | -125.066 | -115.578 | -13.787     | -12.507     | -11.558     |
| 1398    | -2.003    | -145.589 | -132.887 | -123.478 | -14.559     | -13.289     | -12.348     |
| 1399    | -1.98     | -139.722 | -127.589 | -118.602 | -13.972     | -12.759     | -11.86      |
| 1400    | -1.024    | -134.764 | -122.167 | -112.836 | -13.476     | -12.217     | -11.284     |
| 1402    | -0.442    | -133.332 | -120.29  | -110.629 | -13.333     | -12.029     | -11.063     |
| 1403    | -1.587    | -135.051 | -122.994 | -114.062 | -13.505     | -12.299     | -11.406     |
| 1404    | -1.122    | -133.21  | -120.869 | -111.727 | -13.321     | -12.087     | -11.173     |
| 1405    | -0.304    | -130.05  | -117.202 | -107.684 | -13.005     | -11.72      | -10.768     |
| 1406    | -1.058    | -134.455 | -121.923 | -112.64  | -13.445     | -12.192     | -11.264     |
| 1407    | 0.408     | -127.984 | -114.624 | -104.728 | -12.798     | -11.462     | -10.473     |

## EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1356    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1357    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1358    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1359    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1360    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1361    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1362    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1363    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1364    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1365    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1366    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1367    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1368    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1369    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1370    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1371    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1372    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1373    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1374    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1375    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1376    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1377    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1378    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1379    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1380    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1381    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1382    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1383    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1384    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1385    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1386    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1387    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1389    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1390    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1391    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1392    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1393    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1394    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1277    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1395    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1396    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1397    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1398    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1399    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1400    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1402    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1403    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1404    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1405    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1406    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1407    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |

EL3634 Gravity

| station | mga_easting | mga_northing | gate_ddmmyy | ahd_m   | a94_longitude | la94_latitude | dtime_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|--------------|
| 1408    | 638118.139  | 6621182.01   | 29/10/2007  | 114.899 | 136.4397465   | -30.5337923   | 11:14:11     |
| 1409    | 638164.786  | 6622209.07   | 29/10/2007  | 108.689 | 136.440096    | -30.5245217   | 11:17:30     |
| 1411    | 636156.599  | 6621137.27   | 29/10/2007  | 114.012 | 136.4193106   | -30.5344202   | 11:22:31     |
| 1412    | 635144.401  | 6621116.21   | 29/10/2007  | 110.468 | 136.4087648   | -30.5347247   | 11:24:48     |
| 1413    | 635119.929  | 6622156.54   | 29/10/2007  | 108.343 | 136.4083743   | -30.5253425   | 11:27:34     |
| 1414    | 634129.833  | 6622185.54   | 29/10/2007  | 108.337 | 136.3980533   | -30.525192    | 11:29:53     |
| 1416    | 634116.31   | 6624172.23   | 29/10/2007  | 105.489 | 136.3976559   | -30.5072712   | 11:34:12     |
| 1417    | 633133.159  | 6624216.52   | 29/10/2007  | 102.678 | 136.3874071   | -30.5069811   | 11:36:22     |
| 1185    | 633072.579  | 6625194.02   | 29/10/2007  | 100.726 | 136.3866508   | -30.4981695   | 11:38:53     |
| 1418    | 634096.886  | 6625154.89   | 29/10/2007  | 104.141 | 136.3973267   | -30.4984086   | 11:41:17     |
| 1419    | 635127.597  | 6625140.77   | 29/10/2007  | 114.689 | 136.4080661   | -30.4984204   | 11:43:34     |
| 1420    | 635092.581  | 6626169.84   | 29/10/2007  | 109.59  | 136.4075677   | -30.4891409   | 11:45:45     |
| 1421    | 635144.584  | 6627204.65   | 29/10/2007  | 103.601 | 136.407975    | -30.4797998   | 11:48:07     |
| 1422    | 635110.659  | 6628144.07   | 29/10/2007  | 102.563 | 136.4074997   | -30.4713289   | 11:50:24     |
| 1423    | 635108.509  | 6629168.4    | 29/10/2007  | 106.324 | 136.4073444   | -30.4620884   | 11:52:52     |
| 1424    | 635141.119  | 6630196.36   | 29/10/2007  | 109.237 | 136.4075507   | -30.4528113   | 11:55:08     |
| 1425    | 635129.978  | 6631120.87   | 29/10/2007  | 103.603 | 136.4073148   | -30.4444723   | 11:57:53     |
| 1426    | 635137.009  | 6632172.6    | 29/10/2007  | 89.344  | 136.4072517   | -30.4349835   | 12:00:24     |
| 1427    | 635122.93   | 6633169.82   | 29/10/2007  | 85.542  | 136.406976    | -30.4259889   | 12:02:36     |
| 1428    | 635145.484  | 6634204.47   | 29/10/2007  | 81.668  | 136.4070768   | -30.4166525   | 12:04:46     |
| 1429    | 636115.11   | 6634176.89   | 29/10/2007  | 91.544  | 136.4171732   | -30.4167922   | 12:50:49     |
| 1430    | 636098.87   | 6633193.22   | 29/10/2007  | 93.345  | 136.4171324   | -30.4256679   | 12:54:19     |
| 1431    | 636222.895  | 6632155.92   | 29/10/2007  | 96.522  | 136.4185589   | -30.4350117   | 12:56:40     |
| 1432    | 636148.911  | 6631157.67   | 29/10/2007  | 102.2   | 136.417919    | -30.4440255   | 12:59:05     |
| 1433    | 636210.033  | 6630226.15   | 29/10/2007  | 114.576 | 136.4186771   | -30.452422    | 13:02:11     |
| 1434    | 636021.221  | 6629131.45   | 29/10/2007  | 115.988 | 136.416854    | -30.4623189   | 13:05:34     |
| 1435    | 636188.921  | 6628193.53   | 29/10/2007  | 108.936 | 136.418723    | -30.470761    | 13:11:44     |
| 1436    | 636108.527  | 6627223.49   | 29/10/2007  | 104.366 | 136.4180126   | -30.479521    | 13:14:44     |
| 1437    | 636085.549  | 6626260.2    | 29/10/2007  | 110.472 | 136.4178992   | -30.4882137   | 13:17:48     |
| 1438    | 636046.426  | 6625224.34   | 29/10/2007  | 113.57  | 136.4176272   | -30.4975628   | 13:21:49     |
| 1439    | 636037.736  | 6624113.79   | 29/10/2007  | 112.913 | 136.417682    | -30.5075822   | 13:25:21     |
| 1440    | 635043.87   | 6624213.06   | 29/10/2007  | 107.595 | 136.4073144   | -30.5067989   | 13:28:11     |
| 1441    | 635126.56   | 6623069.69   | 29/10/2007  | 110.381 | 136.4083246   | -30.5171041   | 13:31:23     |
| 1442    | 636171.303  | 6623117.77   | 29/10/2007  | 113.409 | 136.4192041   | -30.5165522   | 13:35:08     |
| 1443    | 636033.789  | 6622123.29   | 29/10/2007  | 109.385 | 136.4179015   | -30.5255392   | 13:38:04     |
| 1444    | 637128.151  | 6622325.63   | 29/10/2007  | 110.858 | 136.4292785   | -30.5235892   | 13:41:26     |
| 1409    | 638165.125  | 6622209.4    | 29/10/2007  | 108.652 | 136.4400995   | -30.5245187   | 13:46:29     |
| 1445    | 639196.105  | 6621246.45   | 29/10/2007  | 112.808 | 136.4509716   | -30.5330863   | 13:49:48     |
| 1446    | 639176.901  | 6620141.61   | 29/10/2007  | 110.361 | 136.4509197   | -30.5430552   | 13:57:56     |
| 1447    | 640128.878  | 6620267.5    | 29/10/2007  | 112.243 | 136.4608243   | -30.5418087   | 14:06:21     |
| 1448    | 641106.578  | 6620191.01   | 29/10/2007  | 116.797 | 136.4710243   | -30.542384    | 14:09:24     |
| 1449    | 642063.115  | 6620209.41   | 29/10/2007  | 111.314 | 136.4809908   | -30.542105    | 14:13:00     |
| 1450    | 643149.271  | 6620067.49   | 29/10/2007  | 109.421 | 136.4923302   | -30.5432561   | 14:16:46     |
| 1451    | 644065.418  | 6620256.83   | 29/10/2007  | 109.146 | 136.501852    | -30.5414383   | 14:19:27     |
| 1452    | 645050.328  | 6620182.18   | 29/10/2007  | 113.585 | 136.5121269   | -30.5419929   | 14:22:09     |
| 1453    | 646213.701  | 6620183.54   | 29/10/2007  | 107.295 | 136.5242511   | -30.5418393   | 14:25:11     |
| 1454    | 646190.897  | 6621174.13   | 29/10/2007  | 113.907 | 136.5238739   | -30.5329063   | 14:28:10     |
| 1455    | 645072.593  | 6621217.17   | 29/10/2007  | 112.144 | 136.5122143   | -30.5326538   | 14:31:47     |
| 1456    | 644078.069  | 6621234.45   | 29/10/2007  | 113.565 | 136.5018481   | -30.5326179   | 14:35:14     |
| 1457    | 643115.457  | 6621242.9    | 29/10/2007  | 113.206 | 136.4918157   | -30.5326569   | 14:38:02     |
| 1458    | 642099.588  | 6621236.63   | 29/10/2007  | 108.495 | 136.4812303   | -30.5328343   | 14:40:40     |

EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsg84_mgals | obsg84_gu  | gt_gu       | fag_gu  |
|---------|---------------|-----------|--------------|------------|-------------|---------|
| 1408    | 4100.406      | 0.081     | 979330.47    | 9793304.7  | 9793659.837 | -0.57   |
| 1409    | 4100.71       | 0.084     | 979330.777   | 9793307.77 | 9793652.51  | -9.34   |
| 1411    | 4100.833      | 0.088     | 979330.903   | 9793309.03 | 9793660.333 | 0.53    |
| 1412    | 4101.443      | 0.09      | 979331.515   | 9793315.15 | 9793660.574 | -4.53   |
| 1413    | 4101.091      | 0.093     | 979331.165   | 9793311.65 | 9793653.159 | -7.17   |
| 1414    | 4100.607      | 0.095     | 979330.683   | 9793306.83 | 9793653.04  | -11.89  |
| 1416    | 4098.786      | 0.099     | 979328.865   | 9793288.65 | 9793638.879 | -24.7   |
| 1417    | 4098.754      | 0.1       | 979328.835   | 9793288.35 | 9793638.65  | -33.45  |
| 1185    | 4098.421      | 0.103     | 979328.504   | 9793285.04 | 9793631.689 | -35.82  |
| 1418    | 4097.507      | 0.105     | 979327.591   | 9793275.91 | 9793631.878 | -34.59  |
| 1419    | 4095.392      | 0.107     | 979325.478   | 9793254.78 | 9793631.887 | -23.18  |
| 1420    | 4095.15       | 0.108     | 979325.238   | 9793252.38 | 9793624.558 | -33.99  |
| 1421    | 4094.395      | 0.11      | 979324.484   | 9793244.84 | 9793617.181 | -52.63  |
| 1422    | 4092.623      | 0.112     | 979322.714   | 9793227.14 | 9793610.493 | -66.85  |
| 1423    | 4089.797      | 0.114     | 979319.89    | 9793198.9  | 9793603.199 | -76.2   |
| 1424    | 4086.54       | 0.116     | 979316.634   | 9793166.34 | 9793595.877 | -92.44  |
| 1425    | 4085.605      | 0.118     | 979315.701   | 9793157.01 | 9793589.296 | -112.58 |
| 1426    | 4086.246      | 0.12      | 979316.344   | 9793163.44 | 9793581.809 | -142.67 |
| 1427    | 4084.798      | 0.122     | 979314.897   | 9793148.97 | 9793574.714 | -161.77 |
| 1428    | 4083.399      | 0.124     | 979313.499   | 9793134.99 | 9793567.35  | -180.34 |
| 1429    | 4081.065      | 0.153     | 979311.204   | 9793112.04 | 9793567.46  | -172.93 |
| 1430    | 4082.577      | 0.155     | 979312.718   | 9793127.18 | 9793574.461 | -159.23 |
| 1431    | 4083.92       | 0.156     | 979314.062   | 9793140.62 | 9793581.832 | -143.35 |
| 1432    | 4085.195      | 0.157     | 979315.339   | 9793153.39 | 9793588.943 | -120.18 |
| 1433    | 4084.966      | 0.158     | 979315.111   | 9793151.11 | 9793595.569 | -90.88  |
| 1434    | 4088.041      | 0.16      | 979318.188   | 9793181.88 | 9793603.381 | -63.57  |
| 1435    | 4091.362      | 0.162     | 979321.512   | 9793215.12 | 9793610.045 | -58.75  |
| 1436    | 4094.29       | 0.163     | 979324.442   | 9793244.42 | 9793616.961 | -50.48  |
| 1437    | 4094.836      | 0.164     | 979324.989   | 9793249.89 | 9793623.826 | -33.03  |
| 1438    | 4096.271      | 0.166     | 979326.426   | 9793264.26 | 9793631.21  | -16.48  |
| 1439    | 4098.169      | 0.167     | 979328.325   | 9793283.25 | 9793639.125 | -7.43   |
| 1440    | 4098.829      | 0.168     | 979328.987   | 9793289.87 | 9793638.506 | -16.61  |
| 1441    | 4099.709      | 0.168     | 979329.868   | 9793298.68 | 9793646.648 | -7.34   |
| 1442    | 4099.028      | 0.169     | 979329.188   | 9793291.88 | 9793646.212 | -4.36   |
| 1443    | 4100.974      | 0.17      | 979331.135   | 9793311.35 | 9793653.314 | -4.41   |
| 1444    | 4100.536      | 0.171     | 979330.698   | 9793306.98 | 9793651.773 | -2.69   |
| 1409    | 4100.625      | 0.171     | 979330.789   | 9793307.89 | 9793652.508 | -9.33   |
| 1445    | 4100.536      | 0.172     | 979330.7     | 9793307    | 9793659.279 | -4.16   |
| 1446    | 4102.09       | 0.173     | 979332.256   | 9793322.56 | 9793667.16  | -4.03   |
| 1447    | 4101.482      | 0.173     | 979331.649   | 9793316.49 | 9793666.174 | -3.31   |
| 1448    | 4100.27       | 0.173     | 979330.438   | 9793304.38 | 9793666.629 | -1.82   |
| 1449    | 4101.697      | 0.173     | 979331.865   | 9793318.65 | 9793666.408 | -4.25   |
| 1450    | 4101.65       | 0.173     | 979331.818   | 9793318.18 | 9793667.318 | -11.47  |
| 1451    | 4101.254      | 0.172     | 979331.423   | 9793314.23 | 9793665.881 | -14.84  |
| 1452    | 4100.518      | 0.172     | 979330.687   | 9793306.87 | 9793666.32  | -8.94   |
| 1453    | 4101.051      | 0.172     | 979331.22    | 9793312.2  | 9793666.198 | -22.9   |
| 1454    | 4099.332      | 0.172     | 979329.501   | 9793295.01 | 9793659.137 | -12.62  |
| 1455    | 4099.545      | 0.171     | 979329.713   | 9793297.13 | 9793658.937 | -15.73  |
| 1456    | 4099.163      | 0.17      | 979329.331   | 9793293.31 | 9793658.909 | -15.14  |
| 1457    | 4099.437      | 0.17      | 979329.605   | 9793296.05 | 9793658.94  | -13.54  |
| 1458    | 4100.563      | 0.169     | 979330.731   | 9793307.31 | 9793659.08  | -16.96  |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1408    | -0.057    | -129.087 | -116.085 | -106.454 | -12.909     | -11.609     | -10.645     |
| 1409    | -0.934    | -130.906 | -118.607 | -109.497 | -13.091     | -11.861     | -10.95      |
| 1411    | 0.053     | -126.998 | -114.097 | -104.54  | -12.7       | -11.41      | -10.454     |
| 1412    | -0.453    | -128.091 | -115.591 | -106.331 | -12.809     | -11.559     | -10.633     |
| 1413    | -0.717    | -128.355 | -116.096 | -107.014 | -12.836     | -11.61      | -10.701     |
| 1414    | -1.189    | -133.068 | -120.809 | -111.728 | -13.307     | -12.081     | -11.173     |
| 1416    | -2.47     | -142.69  | -130.754 | -121.911 | -14.269     | -13.075     | -12.191     |
| 1417    | -3.345    | -148.291 | -136.672 | -128.066 | -14.829     | -13.667     | -12.807     |
| 1185    | -3.582    | -148.48  | -137.082 | -128.64  | -14.848     | -13.708     | -12.864     |
| 1418    | -3.459    | -151.081 | -139.297 | -130.568 | -15.108     | -13.93      | -13.057     |
| 1419    | -2.318    | -151.47  | -138.492 | -128.879 | -15.147     | -13.849     | -12.888     |
| 1420    | -3.399    | -156.571 | -144.171 | -134.985 | -15.657     | -14.417     | -13.498     |
| 1421    | -5.263    | -168.517 | -156.794 | -148.11  | -16.852     | -15.679     | -14.811     |
| 1422    | -6.685    | -181.57  | -169.965 | -161.368 | -18.157     | -16.996     | -16.137     |
| 1423    | -7.62     | -195.117 | -183.086 | -174.174 | -19.512     | -18.309     | -17.417     |
| 1424    | -9.244    | -214.624 | -202.263 | -193.107 | -21.462     | -20.226     | -19.311     |
| 1425    | -11.258   | -228.457 | -216.734 | -208.05  | -22.846     | -21.673     | -20.805     |
| 1426    | -14.267   | -242.592 | -232.482 | -224.993 | -24.259     | -23.248     | -22.499     |
| 1427    | -16.177   | -257.446 | -247.766 | -240.596 | -25.745     | -24.777     | -24.06      |
| 1428    | -18.034   | -271.684 | -262.442 | -255.597 | -27.168     | -26.244     | -25.56      |
| 1429    | -17.293   | -275.315 | -264.956 | -257.283 | -27.531     | -26.496     | -25.728     |
| 1430    | -15.923   | -263.632 | -253.069 | -245.245 | -26.363     | -25.307     | -24.525     |
| 1431    | -14.335   | -251.313 | -240.391 | -232.3   | -25.131     | -24.039     | -23.23      |
| 1432    | -12.018   | -234.485 | -222.92  | -214.353 | -23.448     | -22.292     | -21.435     |
| 1433    | -9.088    | -219.044 | -206.079 | -196.475 | -21.904     | -20.608     | -19.648     |
| 1434    | -6.357    | -193.308 | -180.183 | -170.461 | -19.331     | -18.018     | -17.046     |
| 1435    | -5.875    | -180.605 | -168.278 | -159.147 | -18.06      | -16.828     | -15.915     |
| 1436    | -5.048    | -167.212 | -155.402 | -146.654 | -16.721     | -15.54      | -14.665     |
| 1437    | -3.303    | -156.594 | -144.093 | -134.834 | -15.659     | -14.409     | -13.483     |
| 1438    | -1.648    | -143.514 | -130.663 | -121.143 | -14.351     | -13.066     | -12.114     |
| 1439    | -0.743    | -133.731 | -120.954 | -111.49  | -13.373     | -12.095     | -11.149     |
| 1440    | -1.661    | -136.954 | -124.779 | -115.76  | -13.695     | -12.478     | -11.576     |
| 1441    | -0.734    | -130.806 | -118.315 | -109.063 | -13.081     | -11.832     | -10.906     |
| 1442    | -0.436    | -131.213 | -118.38  | -108.874 | -13.121     | -11.838     | -10.887     |
| 1443    | -0.441    | -126.761 | -114.383 | -105.215 | -12.676     | -11.438     | -10.521     |
| 1444    | -0.269    | -126.692 | -114.148 | -104.856 | -12.669     | -11.415     | -10.486     |
| 1409    | -0.933    | -130.857 | -118.562 | -109.455 | -13.086     | -11.856     | -10.945     |
| 1445    | -0.416    | -130.342 | -117.577 | -108.122 | -13.034     | -11.758     | -10.812     |
| 1446    | -0.403    | -127.477 | -114.989 | -105.738 | -12.748     | -11.499     | -10.574     |
| 1447    | -0.331    | -128.859 | -116.158 | -106.75  | -12.886     | -11.616     | -10.675     |
| 1448    | -0.182    | -132.465 | -119.249 | -109.459 | -13.247     | -11.925     | -10.946     |
| 1449    | -0.425    | -128.761 | -116.165 | -106.834 | -12.876     | -11.616     | -10.683     |
| 1450    | -1.147    | -133.865 | -121.483 | -112.311 | -13.386     | -12.148     | -11.231     |
| 1451    | -1.484    | -136.919 | -124.568 | -115.419 | -13.692     | -12.457     | -11.542     |
| 1452    | -0.894    | -135.985 | -123.132 | -113.611 | -13.598     | -12.313     | -11.361     |
| 1453    | -2.29     | -142.907 | -130.766 | -121.772 | -14.291     | -13.077     | -12.177     |
| 1454    | -1.262    | -140.028 | -127.139 | -117.591 | -14.003     | -12.714     | -11.759     |
| 1455    | -1.573    | -141.177 | -128.487 | -119.087 | -14.118     | -12.849     | -11.909     |
| 1456    | -1.514    | -142.173 | -129.322 | -119.803 | -14.217     | -12.932     | -11.98      |
| 1457    | -1.354    | -140.17  | -127.36  | -117.871 | -14.017     | -12.736     | -11.787     |
| 1458    | -1.696    | -138.318 | -126.041 | -116.947 | -13.832     | -12.604     | -11.695     |

EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1408    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1409    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1411    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1412    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1413    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1414    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1416    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1417    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1185    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1418    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1419    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1420    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1421    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1422    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1423    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1424    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1425    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1426    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1427    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1428    | 0.053         | 408275  | 1            | 53   | -72  | 3634    |
| 1429    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1430    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1431    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1432    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1433    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1434    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1435    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1436    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1437    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1438    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1439    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1440    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1441    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1442    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1443    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1444    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1409    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1445    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1446    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1447    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1448    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1449    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1450    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1451    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1452    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1453    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1454    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1455    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1456    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1457    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1458    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |

EL3634 Gravity

| station | mga_easting | mga_northing | date_ddmmyy | ahd_m   | a94_longitude | la94_latitude | time_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|-------------|
| 1459    | 641044.96   | 6621281.32   | 29/10/2007  | 112.391 | 136.4702339   | -30.5325557   | 14:44:34    |
| 1460    | 640206.574  | 6621129.38   | 29/10/2007  | 117.241 | 136.4615176   | -30.5340246   | 14:47:36    |
| 1409    | 638165.364  | 6622209.33   | 29/10/2007  | 108.573 | 136.440102    | -30.5245193   | 14:52:24    |
| 1462    | 640135.147  | 6622180.31   | 29/10/2007  | 114.732 | 136.4606314   | -30.5245527   | 15:00:08    |
| 1463    | 641133.677  | 6622204.97   | 29/10/2007  | 107.474 | 136.4710329   | -30.5242131   | 15:03:49    |
| 1464    | 642167.992  | 6622284.75   | 29/10/2007  | 113.949 | 136.4817996   | -30.5233712   | 15:08:49    |
| 1465    | 643186.512  | 6622379.67   | 29/10/2007  | 115.236 | 136.4923994   | -30.5223939   | 15:12:20    |
| 1466    | 644105.654  | 6622249.43   | 29/10/2007  | 113.038 | 136.5019947   | -30.5234587   | 15:19:26    |
| 1467    | 645060.528  | 6622350.95   | 29/10/2007  | 113.113 | 136.5119302   | -30.5224278   | 15:23:00    |
| 1468    | 646020.099  | 6622241.08   | 29/10/2007  | 112.591 | 136.521944    | -30.5233025   | 15:26:34    |
| 1469    | 646100.626  | 6623190.97   | 29/10/2007  | 110.139 | 136.5226495   | -30.514724    | 15:32:38    |
| 1470    | 647107.502  | 6623154.71   | 29/10/2007  | 115.736 | 136.533145    | -30.514928    | 15:39:13    |
| 1471    | 648228.233  | 6623138.39   | 29/10/2007  | 110.312 | 136.544824    | -30.5149374   | 15:53:59    |
| 1472    | 649099.486  | 6623235.73   | 29/10/2007  | 102.658 | 136.5538874   | -30.5139514   | 15:56:42    |
| 1473    | 650069.249  | 6623171.92   | 29/10/2007  | 97.797  | 136.5640001   | -30.5144061   | 15:59:35    |
| 1474    | 650109.684  | 6624250.81   | 29/10/2007  | 101.495 | 136.5642656   | -30.5046689   | 16:06:53    |
| 1475    | 649066.022  | 6624316.6    | 29/10/2007  | 116.93  | 136.5533837   | -30.5042054   | 16:09:28    |
| 1476    | 648100.094  | 6624138.63   | 29/10/2007  | 117.49  | 136.5433464   | -30.5059304   | 16:11:57    |
| 1477    | 647103.966  | 6624218.96   | 29/10/2007  | 116.678 | 136.5329576   | -30.5053283   | 16:14:24    |
| 1478    | 646145.714  | 6624187.82   | 29/10/2007  | 113.013 | 136.5229791   | -30.5057262   | 16:17:00    |
| 1479    | 645102.021  | 6624171.85   | 29/10/2007  | 120.32  | 136.5121082   | -30.5059969   | 16:21:19    |
| 1480    | 645154.167  | 6623143.78   | 29/10/2007  | 114.599 | 136.5127951   | -30.5152646   | 16:23:58    |
| 1481    | 644141.083  | 6623126.09   | 29/10/2007  | 115.64  | 136.5022422   | -30.5155462   | 16:27:31    |
| 1482    | 643008.741  | 6623098.35   | 29/10/2007  | 113.282 | 136.4904481   | -30.515932    | 16:31:49    |
| 1483    | 642139.908  | 6623073.96   | 29/10/2007  | 110.624 | 136.481399    | -30.5162552   | 16:35:30    |
| 1484    | 641031.259  | 6623160.02   | 29/10/2007  | 113.751 | 136.469836    | -30.5156097   | 16:38:29    |
| 1485    | 640062.851  | 6623200.21   | 29/10/2007  | 114.335 | 136.4597406   | -30.5153606   | 16:41:30    |
| 1486    | 639110.177  | 6623230.41   | 29/10/2007  | 115.905 | 136.4498104   | -30.515199    | 16:44:20    |
| 1409    | 638165.36   | 6622209.63   | 29/10/2007  | 108.682 | 136.4401019   | -30.5245167   | 16:49:10    |
| 1487    | 638053.645  | 6623277.44   | 29/10/2007  | 105.365 | 136.4387959   | -30.5148967   | 16:52:30    |
| 1488    | 637179.806  | 6623115.12   | 29/10/2007  | 108.721 | 136.4297125   | -30.5164613   | 16:55:16    |
| 1489    | 637170.369  | 6624227.05   | 29/10/2007  | 110.973 | 136.4294674   | -30.5064315   | 16:58:25    |
| 1490    | 637114.967  | 6625233.63   | 29/10/2007  | 107.235 | 136.4287575   | -30.4973574   | 17:02:11    |
| 1491    | 637030.443  | 6626281.47   | 29/10/2007  | 107.561 | 136.4277389   | -30.4879144   | 17:10:09    |
| 1492    | 637028.294  | 6627253.15   | 29/10/2007  | 107.174 | 136.4275885   | -30.4791489   | 17:13:09    |
| 1493    | 637039.547  | 6628177.86   | 29/10/2007  | 113.275 | 136.427584    | -30.4708057   | 17:17:24    |
| 1494    | 637108.835  | 6629275.71   | 29/10/2007  | 111.432 | 136.4281611   | -30.4608939   | 17:20:24    |
| 1495    | 637072.567  | 6630189.05   | 29/10/2007  | 104.018 | 136.4276633   | -30.4526587   | 17:23:19    |
| 1496    | 637104.707  | 6631166.49   | 29/10/2007  | 96.055  | 136.4278694   | -30.4438373   | 17:26:28    |
| 1497    | 637172.028  | 6632213.65   | 29/10/2007  | 97.482  | 136.4284326   | -30.4343831   | 17:29:13    |
| 1498    | 637219.241  | 6633281.97   | 29/10/2007  | 100.609 | 136.4287836   | -30.4247401   | 17:32:14    |
| 1499    | 637202.027  | 6634243.95   | 29/10/2007  | 97.732  | 136.4284779   | -30.4160639   | 17:35:00    |
| 1500    | 638119.125  | 6634244.32   | 29/10/2007  | 98.669  | 136.4380237   | -30.4159558   | 17:37:55    |
| 1501    | 638079.408  | 6633265.28   | 29/10/2007  | 100.258 | 136.4377398   | -30.4247924   | 17:41:49    |
| 1502    | 638155.401  | 6632216.08   | 29/10/2007  | 84.652  | 136.4386698   | -30.4342486   | 17:44:44    |
| 1503    | 638129.555  | 6631219.27   | 29/10/2007  | 87.818  | 136.4385328   | -30.443244    | 17:47:32    |
| 1504    | 638173.843  | 6630094.42   | 29/10/2007  | 93.161  | 136.439143    | -30.4533864   | 17:50:21    |
| 1505    | 638136.775  | 6629169.26   | 29/10/2007  | 97.998  | 136.4388797   | -30.4617366   | 17:53:51    |
| 1481    | 644141.377  | 6623126.55   | 30/10/2007  | 115.646 | 136.5022452   | -30.5155421   | 6:26:15     |
| 1506    | 644087.905  | 6624163.41   | 30/10/2007  | 109.909 | 136.5015443   | -30.5061952   | 6:29:29     |
| 1507    | 643047.32   | 6624248.56   | 30/10/2007  | 116.931 | 136.4906917   | -30.5055516   | 6:32:13     |

EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsrg84_mgals | obsrg84_gu | gt_gu       | fag_gu  |
|---------|---------------|-----------|---------------|------------|-------------|---------|
| 1459    | 4100.055      | 0.168     | 979330.222    | 9793302.22 | 9793658.86  | -9.81   |
| 1460    | 4099.411      | 0.168     | 979329.578    | 9793295.78 | 9793660.021 | -2.44   |
| 1409    | 4100.682      | 0.166     | 979330.848    | 9793308.48 | 9793652.508 | -8.98   |
| 1462    | 4099.576      | 0.164     | 979329.741    | 9793297.41 | 9793652.534 | -1.07   |
| 1463    | 4100.79       | 0.163     | 979330.954    | 9793309.54 | 9793652.266 | -11.07  |
| 1464    | 4099.102      | 0.161     | 979329.265    | 9793292.65 | 9793651.601 | -7.32   |
| 1465    | 4098.099      | 0.159     | 979328.261    | 9793282.61 | 9793650.828 | -12.61  |
| 1466    | 4098.991      | 0.156     | 979329.15     | 9793291.5  | 9793651.67  | -11.34  |
| 1467    | 4099.005      | 0.154     | 979329.163    | 9793291.63 | 9793650.855 | -10.17  |
| 1468    | 4098.314      | 0.153     | 979328.471    | 9793284.71 | 9793651.546 | -19.39  |
| 1469    | 4096.902      | 0.15      | 979327.056    | 9793270.56 | 9793644.768 | -34.32  |
| 1470    | 4096.218      | 0.146     | 979326.369    | 9793263.69 | 9793644.929 | -24.08  |
| 1471    | 4097.591      | 0.137     | 979327.735    | 9793277.35 | 9793644.936 | -27.17  |
| 1472    | 4098.933      | 0.136     | 979329.076    | 9793290.76 | 9793644.157 | -36.6   |
| 1473    | 4100.171      | 0.134     | 979330.312    | 9793303.12 | 9793644.516 | -39.6   |
| 1474    | 4097.452      | 0.129     | 979327.589    | 9793275.89 | 9793636.823 | -47.72  |
| 1475    | 4094.063      | 0.127     | 979324.199    | 9793241.99 | 9793636.457 | -33.63  |
| 1476    | 4094.157      | 0.125     | 979324.292    | 9793242.92 | 9793637.82  | -32.34  |
| 1477    | 4093.896      | 0.124     | 979324.029    | 9793240.29 | 9793637.344 | -36.99  |
| 1478    | 4095.125      | 0.122     | 979325.257    | 9793252.57 | 9793637.658 | -36.34  |
| 1479    | 4093.837      | 0.119     | 979323.966    | 9793239.66 | 9793637.872 | -26.91  |
| 1480    | 4097.07       | 0.117     | 979327.197    | 9793271.97 | 9793645.195 | -19.58  |
| 1481    | 4097.64       | 0.114     | 979327.765    | 9793277.65 | 9793645.417 | -10.91  |
| 1482    | 4098.085      | 0.111     | 979328.207    | 9793282.07 | 9793645.722 | -14.07  |
| 1483    | 4099.223      | 0.108     | 979329.343    | 9793293.43 | 9793645.977 | -11.17  |
| 1484    | 4098.215      | 0.106     | 979328.333    | 9793283.33 | 9793645.467 | -11.11  |
| 1485    | 4098.427      | 0.103     | 979328.543    | 9793285.43 | 9793645.27  | -7.01   |
| 1486    | 4098.062      | 0.101     | 979328.176    | 9793281.76 | 9793645.143 | -5.71   |
| 1409    | 4100.767      | 0.097     | 979330.878    | 9793308.78 | 9793652.506 | -8.34   |
| 1487    | 4100.934      | 0.095     | 979331.043    | 9793310.43 | 9793644.904 | -9.33   |
| 1488    | 4100.241      | 0.092     | 979330.348    | 9793303.48 | 9793646.14  | -7.16   |
| 1489    | 4098.338      | 0.09      | 979328.442    | 9793284.42 | 9793638.216 | -11.34  |
| 1490    | 4097.431      | 0.087     | 979327.533    | 9793275.33 | 9793631.048 | -24.8   |
| 1491    | 4095.401      | 0.08      | 979325.497    | 9793254.97 | 9793623.589 | -36.69  |
| 1492    | 4093.625      | 0.077     | 979323.719    | 9793237.19 | 9793616.668 | -48.75  |
| 1493    | 4090.526      | 0.074     | 979320.617    | 9793206.17 | 9793610.08  | -54.35  |
| 1494    | 4087.946      | 0.071     | 979318.035    | 9793180.35 | 9793602.256 | -78.04  |
| 1495    | 4086.7        | 0.069     | 979316.786    | 9793167.86 | 9793595.756 | -106.9  |
| 1496    | 4085.762      | 0.066     | 979315.846    | 9793158.46 | 9793588.795 | -133.92 |
| 1497    | 4082.868      | 0.064     | 979312.95     | 9793129.5  | 9793581.336 | -151.01 |
| 1498    | 4080.024      | 0.061     | 979310.104    | 9793101.04 | 9793573.729 | -162.22 |
| 1499    | 4078.906      | 0.059     | 979308.984    | 9793089.84 | 9793566.886 | -175.46 |
| 1500    | 4078.306      | 0.056     | 979308.382    | 9793083.82 | 9793566.801 | -178.5  |
| 1501    | 4079.988      | 0.053     | 979310.061    | 9793100.61 | 9793573.77  | -163.78 |
| 1502    | 4085.252      | 0.05      | 979315.322    | 9793153.22 | 9793581.23  | -166.78 |
| 1503    | 4086.909      | 0.048     | 979316.977    | 9793169.77 | 9793588.327 | -147.55 |
| 1504    | 4088.734      | 0.046     | 979318.8      | 9793188    | 9793596.33  | -120.84 |
| 1505    | 4090.645      | 0.043     | 979320.709    | 9793207.09 | 9793602.921 | -93.42  |
| 1481    | 4097.769      | -0.079    | 979327.737    | 9793277.37 | 9793645.414 | -11.17  |
| 1506    | 4097.266      | -0.079    | 979327.234    | 9793272.34 | 9793638.029 | -26.51  |
| 1507    | 4095.815      | -0.08     | 979325.784    | 9793257.84 | 9793637.521 | -18.84  |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1459    | -0.981    | -135.523 | -122.805 | -113.385 | -13.552     | -12.281     | -11.338     |
| 1460    | -0.244    | -133.583 | -120.317 | -110.49  | -13.358     | -12.032     | -11.049     |
| 1409    | -0.898    | -130.422 | -118.137 | -109.036 | -13.042     | -11.814     | -10.904     |
| 1462    | -0.107    | -129.403 | -116.42  | -106.803 | -12.94      | -11.642     | -10.68      |
| 1463    | -1.107    | -131.282 | -119.121 | -110.113 | -13.128     | -11.912     | -11.011     |
| 1464    | -0.732    | -134.769 | -121.875 | -112.324 | -13.477     | -12.188     | -11.232     |
| 1465    | -1.261    | -141.505 | -128.465 | -118.806 | -14.151     | -12.847     | -11.881     |
| 1466    | -1.134    | -137.781 | -124.989 | -115.515 | -13.778     | -12.499     | -11.551     |
| 1467    | -1.017    | -136.688 | -123.889 | -114.408 | -13.669     | -12.389     | -11.441     |
| 1468    | -1.939    | -145.326 | -132.586 | -123.149 | -14.533     | -13.259     | -12.315     |
| 1469    | -3.432    | -157.521 | -145.058 | -135.826 | -15.752     | -14.506     | -13.583     |
| 1470    | -2.408    | -153.542 | -140.445 | -130.744 | -15.354     | -14.045     | -13.074     |
| 1471    | -2.717    | -150.559 | -138.077 | -128.83  | -15.056     | -13.808     | -12.883     |
| 1472    | -3.66     | -151.428 | -139.811 | -131.206 | -15.143     | -13.981     | -13.121     |
| 1473    | -3.96     | -148.99  | -137.923 | -129.726 | -14.899     | -13.792     | -12.973     |
| 1474    | -4.772    | -161.252 | -149.767 | -141.259 | -16.125     | -14.977     | -14.126     |
| 1475    | -3.363    | -164.421 | -151.19  | -141.389 | -16.442     | -15.119     | -14.139     |
| 1476    | -3.234    | -163.752 | -150.458 | -140.61  | -16.375     | -15.046     | -14.061     |
| 1477    | -3.699    | -167.504 | -154.301 | -144.521 | -16.75      | -15.43      | -14.452     |
| 1478    | -3.634    | -162.748 | -149.96  | -140.487 | -16.275     | -14.996     | -14.049     |
| 1479    | -2.691    | -161.498 | -147.883 | -137.797 | -16.15      | -14.788     | -13.78      |
| 1480    | -1.958    | -147.764 | -134.797 | -125.191 | -14.776     | -13.48      | -12.519     |
| 1481    | -1.091    | -140.259 | -127.174 | -117.481 | -14.026     | -12.717     | -11.748     |
| 1482    | -1.407    | -140.783 | -127.964 | -118.469 | -14.078     | -12.796     | -11.847     |
| 1483    | -1.117    | -134.907 | -122.389 | -113.117 | -13.491     | -12.239     | -11.312     |
| 1484    | -1.111    | -138.345 | -125.474 | -115.939 | -13.835     | -12.547     | -11.594     |
| 1485    | -0.701    | -134.9   | -121.962 | -112.378 | -13.49      | -12.196     | -11.238     |
| 1486    | -0.571    | -135.353 | -122.238 | -112.523 | -13.535     | -12.224     | -11.252     |
| 1409    | -0.834    | -129.906 | -117.608 | -108.498 | -12.991     | -11.761     | -10.85      |
| 1487    | -0.933    | -127.179 | -115.256 | -106.425 | -12.718     | -11.526     | -10.642     |
| 1488    | -0.716    | -128.763 | -116.461 | -107.348 | -12.876     | -11.646     | -10.735     |
| 1489    | -1.134    | -135.469 | -122.911 | -113.609 | -13.547     | -12.291     | -11.361     |
| 1490    | -2.48     | -144.744 | -132.61  | -123.621 | -14.474     | -13.261     | -12.362     |
| 1491    | -3.669    | -157.004 | -144.833 | -135.817 | -15.7       | -14.483     | -13.582     |
| 1492    | -4.875    | -168.624 | -156.496 | -147.513 | -16.862     | -15.65      | -14.751     |
| 1493    | -5.435    | -181.054 | -168.236 | -158.742 | -18.105     | -16.824     | -15.874     |
| 1494    | -7.804    | -202.676 | -190.066 | -180.726 | -20.268     | -19.007     | -18.073     |
| 1495    | -10.69    | -223.251 | -211.48  | -202.762 | -22.325     | -21.148     | -20.276     |
| 1496    | -13.392   | -241.355 | -230.486 | -222.434 | -24.135     | -23.049     | -22.243     |
| 1497    | -15.101   | -260.048 | -249.018 | -240.847 | -26.005     | -24.902     | -24.085     |
| 1498    | -16.222   | -274.75  | -263.365 | -254.932 | -27.475     | -26.337     | -25.493     |
| 1499    | -17.546   | -284.767 | -273.708 | -265.516 | -28.477     | -27.371     | -26.552     |
| 1500    | -17.85    | -288.858 | -277.693 | -269.423 | -28.886     | -27.769     | -26.942     |
| 1501    | -16.378   | -275.912 | -264.567 | -256.163 | -27.591     | -26.457     | -25.616     |
| 1502    | -16.678   | -261.463 | -251.884 | -244.788 | -26.146     | -25.188     | -24.479     |
| 1503    | -14.755   | -245.781 | -235.844 | -228.483 | -24.578     | -23.584     | -22.848     |
| 1504    | -12.084   | -225.044 | -214.502 | -206.693 | -22.504     | -21.45      | -20.669     |
| 1505    | -9.342    | -203.029 | -191.94  | -183.725 | -20.303     | -19.194     | -18.373     |
| 1481    | -1.117    | -140.524 | -127.438 | -117.744 | -14.052     | -12.744     | -11.774     |
| 1506    | -2.651    | -149.455 | -137.018 | -127.806 | -14.946     | -13.702     | -12.781     |
| 1507    | -1.884    | -149.633 | -136.401 | -126.6   | -14.963     | -13.64      | -12.66      |

EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1459    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1460    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1409    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1462    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1463    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1464    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1465    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1466    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1467    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1468    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1469    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1470    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1471    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1472    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1473    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1474    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1475    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1476    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1477    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1478    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1479    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1480    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1481    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1482    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1483    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1484    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1485    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1486    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1409    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1487    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1488    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1489    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1490    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1491    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1492    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1493    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1494    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1495    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1496    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1497    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1498    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1499    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1500    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1501    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1502    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1503    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1504    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1505    | -0.042        | 408275  | 1            | 53   | -72  | 3634    |
| 1481    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1506    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1507    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |

EL3634 Gravity

| station | mga_easting | mga_northing | gate_ddmmyy | ahd_m   | a94_longitude | la94_latitude | dtime_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|--------------|
| 1508    | 642127.568  | 6624181.8    | 30/10/2007  | 116.849 | 136.4811189   | -30.506263    | 6:34:50      |
| 1509    | 641118.312  | 6624094.23   | 30/10/2007  | 118.162 | 136.4706162   | -30.507172    | 6:37:30      |
| 1510    | 639927.142  | 6624065.2    | 30/10/2007  | 113.479 | 136.4582101   | -30.5075734   | 6:40:13      |
| 1511    | 639045.315  | 6624201.75   | 30/10/2007  | 104.482 | 136.4490046   | -30.5064441   | 6:42:46      |
| 1512    | 638085.033  | 6624136.15   | 30/10/2007  | 103.971 | 136.4390088   | -30.5071467   | 6:45:29      |
| 1513    | 638033.102  | 6625235.36   | 30/10/2007  | 102.349 | 136.4383218   | -30.4972366   | 6:50:54      |
| 1514    | 639143.458  | 6625080.8    | 30/10/2007  | 100.005 | 136.4499094   | -30.4985027   | 6:53:26      |
| 1515    | 640127.585  | 6625117.28   | 30/10/2007  | 111.463 | 136.4601566   | -30.4980592   | 6:57:42      |
| 1516    | 641193.704  | 6625148.63   | 30/10/2007  | 113.355 | 136.4712584   | -30.4976515   | 7:02:16      |
| 1517    | 642136.103  | 6625113.66   | 30/10/2007  | 116.746 | 136.4810804   | -30.4978558   | 7:13:55      |
| 1518    | 643098.334  | 6625239.26   | 30/10/2007  | 122.015 | 136.4910868   | -30.4966085   | 7:17:52      |
| 1519    | 644228.117  | 6624833.38   | 30/10/2007  | 112.689 | 136.5029121   | -30.5001347   | 7:22:21      |
| 1520    | 645097.404  | 6625252.7    | 30/10/2007  | 114.764 | 136.5119092   | -30.4962473   | 7:25:04      |
| 1521    | 646180.008  | 6625116.44   | 30/10/2007  | 119.656 | 136.5232058   | -30.4973452   | 7:28:14      |
| 1522    | 647140.151  | 6625208.73   | 30/10/2007  | 115.151 | 136.5331944   | -30.4963955   | 7:31:09      |
| 1523    | 648192.31   | 6625049.73   | 30/10/2007  | 118.734 | 136.5441772   | -30.4977003   | 7:34:08      |
| 1524    | 649195.553  | 6625229.52   | 30/10/2007  | 119.697 | 136.5546021   | -30.4959543   | 7:36:55      |
| 1525    | 650222.908  | 6625187.13   | 30/10/2007  | 102.021 | 136.5653098   | -30.4962086   | 7:39:30      |
| 1526    | 650225.439  | 6626192.87   | 30/10/2007  | 104.51  | 136.5651909   | -30.487136    | 7:42:02      |
| 1527    | 649103.976  | 6626223.97   | 30/10/2007  | 122.125 | 136.5535056   | -30.4869952   | 7:45:04      |
| 1528    | 648102.048  | 6626084.82   | 30/10/2007  | 119.807 | 136.5430896   | -30.4883743   | 7:48:00      |
| 1529    | 647104.189  | 6626177.59   | 30/10/2007  | 118.795 | 136.5326828   | -30.48766     | 7:51:25      |
| 1530    | 646048.903  | 6626151.66   | 30/10/2007  | 116.707 | 136.5216947   | -30.4880228   | 7:54:56      |
| 1531    | 645085.531  | 6626133.85   | 30/10/2007  | 114.157 | 136.5116627   | -30.4883002   | 7:57:24      |
| 1532    | 644121.163  | 6626203.3    | 30/10/2007  | 115.846 | 136.5016081   | -30.4877898   | 8:00:24      |
| 1533    | 643024.477  | 6626213.94   | 30/10/2007  | 115.661 | 136.4901834   | -30.4878248   | 8:04:10      |
| 1534    | 642042.193  | 6626106.66   | 30/10/2007  | 115.708 | 136.4799665   | -30.4889091   | 8:07:15      |
| 1535    | 641020.639  | 6626152.23   | 30/10/2007  | 111.308 | 136.4693195   | -30.4886185   | 8:09:41      |
| 1536    | 640058.293  | 6626134.51   | 30/10/2007  | 110.153 | 136.4592977   | -30.4888909   | 8:12:06      |
| 1537    | 639061.89   | 6626159.08   | 30/10/2007  | 100.565 | 136.4489155   | -30.488785    | 8:14:33      |
| 1538    | 638052.953  | 6626231.92   | 30/10/2007  | 104.914 | 136.4383963   | -30.4882443   | 8:16:57      |
| 1539    | 638108.859  | 6627207.09   | 30/10/2007  | 102.242 | 136.4388492   | -30.4794408   | 8:19:28      |
| 1540    | 639114.147  | 6627226.57   | 30/10/2007  | 98.545  | 136.4493171   | -30.4791491   | 8:22:01      |
| 1541    | 640167.128  | 6627136.64   | 30/10/2007  | 109.426 | 136.4602964   | -30.4798379   | 8:24:51      |
| 1542    | 641122.125  | 6627144.95   | 30/10/2007  | 114.973 | 136.4702419   | -30.4796512   | 8:27:46      |
| 1543    | 642201.92   | 6627165.11   | 30/10/2007  | 115.513 | 136.4814856   | -30.4793421   | 8:30:28      |
| 1544    | 643140.547  | 6627185.23   | 30/10/2007  | 118.041 | 136.4912588   | -30.4790491   | 8:33:25      |
| 1545    | 644102.56   | 6627193.8    | 30/10/2007  | 112.083 | 136.5012771   | -30.4788569   | 8:35:55      |
| 1546    | 645192.957  | 6627231.18   | 30/10/2007  | 114.887 | 136.5126285   | -30.4783884   | 8:38:23      |
| 1547    | 646121.144  | 6627296.43   | 30/10/2007  | 115.92  | 136.5222864   | -30.4776873   | 8:40:50      |
| 1529    | 647105.209  | 6626177.81   | 30/10/2007  | 118.926 | 136.5326934   | -30.487658    | 8:44:08      |
| 1548    | 647016.404  | 6627216.06   | 30/10/2007  | 116.682 | 136.5316217   | -30.478303    | 8:47:08      |
| 1549    | 648130.839  | 6627211.9    | 30/10/2007  | 120.743 | 136.543229    | -30.4782037   | 8:49:46      |
| 1550    | 649086.129  | 6627231.01   | 30/10/2007  | 121.783 | 136.5531754   | -30.4779132   | 8:52:33      |
| 1551    | 650141.92   | 6627106.99   | 30/10/2007  | 109.275 | 136.5641891   | -30.4789006   | 8:55:30      |
| 1552    | 650040.043  | 6628197.36   | 30/10/2007  | 120.859 | 136.5629709   | -30.4690775   | 8:58:12      |
| 1553    | 649146.784  | 6628178.32   | 30/10/2007  | 119.687 | 136.5536714   | -30.4693604   | 9:01:35      |
| 1554    | 648111.98   | 6628246.1    | 30/10/2007  | 119.493 | 136.5428855   | -30.4688769   | 9:10:47      |
| 1555    | 647138.599  | 6628245.48   | 30/10/2007  | 115.631 | 136.5327489   | -30.469002    | 9:13:34      |
| 1556    | 646163.532  | 6628180.05   | 30/10/2007  | 118.19  | 136.5226038   | -30.4697112   | 9:16:27      |
| 1557    | 645141.906  | 6628231.57   | 30/10/2007  | 114.933 | 136.5119573   | -30.4693702   | 9:18:45      |

EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsrg84_mgals | obsrg84_gu | gt_gu       | fag_gu |
|---------|---------------|-----------|---------------|------------|-------------|--------|
| 1508    | 4096.549      | -0.08     | 979326.518    | 9793265.18 | 9793638.083 | -12.32 |
| 1509    | 4096.131      | -0.08     | 979326.1      | 9793261    | 9793638.801 | -13.16 |
| 1510    | 4096.886      | -0.081    | 979326.855    | 9793268.55 | 9793639.118 | -20.38 |
| 1511    | 4099.444      | -0.081    | 979329.413    | 9793294.13 | 9793638.226 | -21.67 |
| 1512    | 4100.06       | -0.081    | 979330.03     | 9793300.3  | 9793638.781 | -17.64 |
| 1513    | 4098.417      | -0.082    | 979328.387    | 9793283.87 | 9793630.952 | -31.24 |
| 1514    | 4098.904      | -0.082    | 979328.874    | 9793288.74 | 9793631.952 | -34.6  |
| 1515    | 4096.674      | -0.083    | 979326.645    | 9793266.45 | 9793631.602 | -21.18 |
| 1516    | 4095.988      | -0.083    | 979325.96     | 9793259.6  | 9793631.28  | -21.88 |
| 1517    | 4094.825      | -0.083    | 979324.799    | 9793247.99 | 9793631.441 | -23.18 |
| 1518    | 4092.685      | -0.083    | 979322.66     | 9793226.6  | 9793630.456 | -27.33 |
| 1519    | 4094.859      | -0.083    | 979324.835    | 9793248.35 | 9793633.241 | -37.14 |
| 1520    | 4092.986      | -0.083    | 979322.962    | 9793229.62 | 9793630.171 | -46.39 |
| 1521    | 4091.679      | -0.083    | 979321.656    | 9793216.56 | 9793631.038 | -45.22 |
| 1522    | 4092.662      | -0.082    | 979322.64     | 9793226.4  | 9793630.288 | -48.54 |
| 1523    | 4092.362      | -0.082    | 979322.341    | 9793223.41 | 9793631.318 | -41.5  |
| 1524    | 4091.862      | -0.082    | 979321.842    | 9793218.42 | 9793629.939 | -42.14 |
| 1525    | 4095.884      | -0.082    | 979325.865    | 9793258.65 | 9793630.14  | -56.66 |
| 1526    | 4093.494      | -0.081    | 979323.475    | 9793234.75 | 9793622.975 | -65.71 |
| 1527    | 4089.453      | -0.081    | 979319.436    | 9793194.36 | 9793622.863 | -51.64 |
| 1528    | 4090.185      | -0.081    | 979320.169    | 9793201.69 | 9793623.953 | -52.55 |
| 1529    | 4089.935      | -0.08     | 979319.92     | 9793199.2  | 9793623.388 | -57.6  |
| 1530    | 4090.201      | -0.079    | 979320.187    | 9793201.87 | 9793623.675 | -61.65 |
| 1531    | 4091.289      | -0.079    | 979321.276    | 9793212.76 | 9793623.894 | -58.85 |
| 1532    | 4091.336      | -0.078    | 979321.324    | 9793213.24 | 9793623.491 | -52.76 |
| 1533    | 4091.904      | -0.078    | 979321.894    | 9793218.94 | 9793623.519 | -47.66 |
| 1534    | 4092.81       | -0.077    | 979322.801    | 9793228.01 | 9793624.375 | -39.3  |
| 1535    | 4094.502      | -0.076    | 979324.494    | 9793244.94 | 9793624.145 | -35.71 |
| 1536    | 4095.317      | -0.076    | 979325.31     | 9793253.1  | 9793624.361 | -31.33 |
| 1537    | 4097.093      | -0.075    | 979327.088    | 9793270.88 | 9793624.277 | -43.06 |
| 1538    | 4096.285      | -0.074    | 979326.281    | 9793262.81 | 9793623.85  | -37.29 |
| 1539    | 4094.83       | -0.074    | 979324.827    | 9793248.27 | 9793616.898 | -53.12 |
| 1540    | 4095.8        | -0.073    | 979325.798    | 9793257.98 | 9793616.668 | -54.58 |
| 1541    | 4092.78       | -0.072    | 979322.78     | 9793227.8  | 9793617.212 | -51.73 |
| 1542    | 4090.964      | -0.071    | 979320.965    | 9793209.65 | 9793617.064 | -52.61 |
| 1543    | 4090.192      | -0.07     | 979320.195    | 9793201.95 | 9793616.82  | -58.41 |
| 1544    | 4089.185      | -0.069    | 979319.19     | 9793191.9  | 9793616.589 | -60.43 |
| 1545    | 4090.152      | -0.068    | 979320.158    | 9793201.58 | 9793616.437 | -68.98 |
| 1546    | 4089.139      | -0.067    | 979319.146    | 9793191.46 | 9793616.067 | -70.07 |
| 1547    | 4088.42       | -0.066    | 979318.429    | 9793184.29 | 9793615.513 | -73.5  |
| 1529    | 4089.95       | -0.065    | 979319.961    | 9793199.61 | 9793623.387 | -56.78 |
| 1548    | 4088.354      | -0.064    | 979318.367    | 9793183.67 | 9793616     | -72.26 |
| 1549    | 4087.923      | -0.062    | 979317.938    | 9793179.38 | 9793615.921 | -63.94 |
| 1550    | 4087.737      | -0.061    | 979317.753    | 9793177.53 | 9793615.692 | -62.34 |
| 1551    | 4090.821      | -0.06     | 979320.839    | 9793208.39 | 9793616.471 | -70.86 |
| 1552    | 4086.027      | -0.059    | 979316.047    | 9793160.47 | 9793608.716 | -75.28 |
| 1553    | 4086.202      | -0.057    | 979316.224    | 9793162.24 | 9793608.939 | -77.35 |
| 1554    | 4085.962      | -0.052    | 979315.991    | 9793159.91 | 9793608.557 | -79.9  |
| 1555    | 4086.508      | -0.051    | 979316.539    | 9793165.39 | 9793608.656 | -86.44 |
| 1556    | 4086.076      | -0.049    | 979316.109    | 9793161.09 | 9793609.216 | -83.4  |
| 1557    | 4086.97       | -0.048    | 979317.005    | 9793170.05 | 9793608.947 | -84.22 |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1508    | -1.232    | -143.016 | -129.794 | -120     | -14.302     | -12.979     | -12         |
| 1509    | -1.316    | -145.331 | -131.96  | -122.056 | -14.533     | -13.196     | -12.206     |
| 1510    | -2.038    | -147.311 | -134.47  | -124.958 | -14.731     | -13.447     | -12.496     |
| 1511    | -2.167    | -138.538 | -126.715 | -117.957 | -13.854     | -12.672     | -11.796     |
| 1512    | -1.764    | -133.928 | -122.163 | -113.448 | -13.393     | -12.216     | -11.345     |
| 1513    | -3.124    | -145.72  | -134.139 | -125.56  | -14.572     | -13.414     | -12.556     |
| 1514    | -3.46     | -146.462 | -135.146 | -126.763 | -14.646     | -13.515     | -12.676     |
| 1515    | -2.118    | -145.861 | -133.248 | -123.905 | -14.586     | -13.325     | -12.391     |
| 1516    | -2.188    | -148.667 | -135.84  | -126.338 | -14.867     | -13.584     | -12.634     |
| 1517    | -2.318    | -153.767 | -140.557 | -130.771 | -15.377     | -14.056     | -13.077     |
| 1518    | -2.733    | -163.807 | -150     | -139.773 | -16.381     | -15         | -13.977     |
| 1519    | -3.714    | -163.188 | -150.437 | -140.991 | -16.319     | -15.044     | -14.099     |
| 1520    | -4.639    | -174.766 | -161.779 | -152.16  | -17.477     | -16.178     | -15.216     |
| 1521    | -4.522    | -179.069 | -165.53  | -155.5   | -17.907     | -16.553     | -15.55      |
| 1522    | -4.854    | -177.342 | -164.311 | -154.659 | -17.734     | -16.431     | -15.466     |
| 1523    | -4.15     | -174.314 | -160.878 | -150.926 | -17.431     | -16.088     | -15.093     |
| 1524    | -4.214    | -176.03  | -162.486 | -152.453 | -17.603     | -16.249     | -15.245     |
| 1525    | -5.666    | -170.774 | -159.229 | -150.678 | -17.077     | -15.923     | -15.068     |
| 1526    | -6.571    | -182.612 | -170.786 | -162.026 | -18.261     | -17.079     | -16.203     |
| 1527    | -5.164    | -188.238 | -174.419 | -164.182 | -18.824     | -17.442     | -16.418     |
| 1528    | -5.255    | -186.557 | -173     | -162.958 | -18.656     | -17.3       | -16.296     |
| 1529    | -5.76     | -190.474 | -177.031 | -167.074 | -19.047     | -17.703     | -16.707     |
| 1530    | -6.165    | -192.198 | -178.991 | -169.209 | -19.22      | -17.899     | -16.921     |
| 1531    | -5.885    | -186.543 | -173.625 | -164.057 | -18.654     | -17.363     | -16.406     |
| 1532    | -5.276    | -182.337 | -169.229 | -159.518 | -18.234     | -16.923     | -15.952     |
| 1533    | -4.766    | -177.029 | -163.941 | -154.246 | -17.703     | -16.394     | -15.425     |
| 1534    | -3.93     | -168.723 | -155.63  | -145.931 | -16.872     | -15.563     | -14.593     |
| 1535    | -3.571    | -160.219 | -147.624 | -138.294 | -16.022     | -14.762     | -13.829     |
| 1536    | -3.133    | -154.546 | -142.082 | -132.849 | -15.455     | -14.208     | -13.285     |
| 1537    | -4.306    | -155.545 | -144.165 | -135.736 | -15.554     | -14.417     | -13.574     |
| 1538    | -3.729    | -154.632 | -142.76  | -133.967 | -15.463     | -14.276     | -13.397     |
| 1539    | -5.312    | -167.477 | -155.907 | -147.337 | -16.748     | -15.591     | -14.734     |
| 1540    | -5.458    | -164.809 | -153.658 | -145.398 | -16.481     | -15.366     | -14.54      |
| 1541    | -5.173    | -174.128 | -161.745 | -152.573 | -17.413     | -16.175     | -15.257     |
| 1542    | -5.261    | -181.218 | -168.208 | -158.571 | -18.122     | -16.821     | -15.857     |
| 1543    | -5.841    | -187.612 | -174.54  | -164.858 | -18.761     | -17.454     | -16.486     |
| 1544    | -6.043    | -192.457 | -179.1   | -169.206 | -19.246     | -17.91      | -16.921     |
| 1545    | -6.898    | -194.346 | -181.663 | -172.268 | -19.435     | -18.166     | -17.227     |
| 1546    | -7.007    | -198.58  | -185.58  | -175.95  | -19.858     | -18.558     | -17.595     |
| 1547    | -7.35     | -203.164 | -190.047 | -180.331 | -20.316     | -19.005     | -18.033     |
| 1529    | -5.678    | -189.804 | -176.347 | -166.379 | -18.98      | -17.635     | -16.638     |
| 1548    | -7.226    | -202.771 | -189.568 | -179.788 | -20.277     | -18.957     | -17.979     |
| 1549    | -6.394    | -198.994 | -185.331 | -175.211 | -19.899     | -18.533     | -17.521     |
| 1550    | -6.234    | -198.569 | -184.788 | -174.58  | -19.857     | -18.479     | -17.458     |
| 1551    | -7.086    | -193.094 | -180.729 | -171.57  | -19.309     | -18.073     | -17.157     |
| 1552    | -7.528    | -210.471 | -196.795 | -186.664 | -21.047     | -19.679     | -18.666     |
| 1553    | -7.735    | -211.229 | -197.686 | -187.654 | -21.123     | -19.769     | -18.765     |
| 1554    | -7.99     | -213.559 | -200.038 | -190.022 | -21.356     | -20.004     | -19.002     |
| 1555    | -8.644    | -215.776 | -202.691 | -192.999 | -21.578     | -20.269     | -19.3       |
| 1556    | -8.34     | -215.601 | -202.227 | -192.321 | -21.56      | -20.223     | -19.232     |
| 1557    | -8.422    | -212.779 | -199.774 | -190.14  | -21.278     | -19.977     | -19.014     |

EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1508    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1509    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1510    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1511    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1512    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1513    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1514    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1515    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1516    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1517    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1518    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1519    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1520    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1521    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1522    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1523    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1524    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1525    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1526    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1527    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1528    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1529    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1530    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1531    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1532    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1533    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1534    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1535    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1536    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1537    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1538    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1539    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1540    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1541    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1542    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1543    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1544    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1545    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1546    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1547    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1529    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1548    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1549    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1550    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1551    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1552    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1553    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1554    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1555    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1556    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1557    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |

EL3634 Gravity

| station | mga_easting | mga_northing | date_ddmmyy | ahd_m   | a94_longitude | la94_latitude | time_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|-------------|
| 1558    | 644155.303  | 6628188.81   | 30/10/2007  | 114.599 | 136.5016887   | -30.4698747   | 9:21:10     |
| 1559    | 643090.544  | 6628164.74   | 30/10/2007  | 116.564 | 136.4906034   | -30.470219    | 9:23:37     |
| 1560    | 642145.402  | 6628195.82   | 30/10/2007  | 113.331 | 136.4807562   | -30.4700508   | 9:26:12     |
| 1561    | 641076.612  | 6628246.08   | 30/10/2007  | 111.732 | 136.4696187   | -30.4697233   | 9:29:02     |
| 1562    | 640191.24   | 6628143.99   | 30/10/2007  | 105.435 | 136.4604119   | -30.4707479   | 9:31:38     |
| 1563    | 639216.675  | 6628192.17   | 30/10/2007  | 97.627  | 136.4502559   | -30.4704265   | 9:34:24     |
| 1564    | 638069.205  | 6628158.63   | 30/10/2007  | 103     | 136.43831     | -30.4708613   | 9:37:31     |
| 1505    | 638137.938  | 6629168.09   | 30/10/2007  | 98.199  | 136.4388919   | -30.461747    | 9:43:53     |
| 1565    | 639166.68   | 6629196.74   | 30/10/2007  | 97.205  | 136.449601    | -30.4613699   | 10:07:30    |
| 1566    | 640120.791  | 6629201.71   | 30/10/2007  | 102.047 | 136.4595359   | -30.4612143   | 10:10:05    |
| 1567    | 641164.791  | 6629180.89   | 30/10/2007  | 102.203 | 136.4704103   | -30.46128     | 10:12:26    |
| 1568    | 642164.847  | 6629225.84   | 30/10/2007  | 110.594 | 136.4808181   | -30.4607568   | 10:15:16    |
| 1569    | 643104.146  | 6629182.1    | 30/10/2007  | 110.149 | 136.4906053   | -30.4610399   | 10:17:56    |
| 1570    | 644093.867  | 6629189.42   | 30/10/2007  | 111.162 | 136.5009105   | -30.4608556   | 10:20:26    |
| 1571    | 645150.394  | 6629158.77   | 30/10/2007  | 116.865 | 136.5119165   | -30.4610051   | 10:23:36    |
| 1572    | 646132.785  | 6629066.03   | 30/10/2007  | 117.948 | 136.5221593   | -30.4617227   | 10:26:20    |
| 1573    | 646180      | 6630151.93   | 30/10/2007  | 119.866 | 136.5224986   | -30.4519213   | 10:28:47    |
| 1574    | 645064.681  | 6630100.4    | 30/10/2007  | 119.206 | 136.5108929   | -30.4525212   | 10:31:28    |
| 1575    | 644150.701  | 6630276.58   | 30/10/2007  | 112.75  | 136.5013519   | -30.4510417   | 10:34:21    |
| 1576    | 643148.428  | 6630101.53   | 30/10/2007  | 114.873 | 136.4909401   | -30.4527405   | 10:37:27    |
| 1577    | 642168.371  | 6630197.17   | 30/10/2007  | 105.743 | 136.4807223   | -30.451994    | 10:40:17    |
| 1578    | 641164.257  | 6630159.87   | 30/10/2007  | 97.459  | 136.4702721   | -30.4524487   | 10:42:57    |
| 1579    | 640117.02   | 6630084.15   | 30/10/2007  | 94.758  | 136.459378    | -30.4532542   | 10:45:50    |
| 1580    | 639081.85   | 6630177.17   | 30/10/2007  | 93.306  | 136.4485867   | -30.4525352   | 10:48:41    |
| 1581    | 639145.419  | 6631190.52   | 30/10/2007  | 84.593  | 136.4491134   | -30.4433863   | 10:51:12    |
| 1582    | 640151.633  | 6631200.89   | 30/10/2007  | 87.985  | 136.4595882   | -30.443176    | 10:53:38    |
| 1583    | 641145.033  | 6631194.13   | 30/10/2007  | 98.564  | 136.4699319   | -30.4431209   | 10:56:09    |
| 1584    | 642136.382  | 6631187.3    | 30/10/2007  | 106.567 | 136.4802542   | -30.4430658   | 10:58:29    |
| 1585    | 643185.853  | 6631249.76   | 30/10/2007  | 116.071 | 136.491172    | -30.442378    | 11:02:24    |
| 1586    | 644165.151  | 6631215.83   | 30/10/2007  | 115.515 | 136.5013724   | -30.4425671   | 11:06:48    |
| 1613    | 644165.154  | 6631215.84   | 30/10/2007  | 115.492 | 136.5013725   | -30.4425671   | 11:09:07    |
| 1587    | 645110.779  | 6631194.12   | 30/10/2007  | 123.971 | 136.5112206   | -30.4426493   | 11:13:22    |
| 1588    | 646116.24   | 6631124.84   | 30/10/2007  | 120.356 | 136.5216983   | -30.4431526   | 11:16:58    |
| 1589    | 646185.948  | 6632179.67   | 30/10/2007  | 121.108 | 136.5222762   | -30.4336287   | 11:20:49    |
| 1590    | 645193.548  | 6632229.75   | 30/10/2007  | 121.052 | 136.5119382   | -30.4332971   | 11:24:59    |
| 1591    | 644197.103  | 6632142.11   | 30/10/2007  | 113.096 | 136.501577    | -30.4342075   | 11:27:45    |
| 1592    | 643071.159  | 6632233.89   | 30/10/2007  | 112.592 | 136.4898429   | -30.4335138   | 11:31:12    |
| 1593    | 642131.715  | 6632174.71   | 30/10/2007  | 105.383 | 136.480071    | -30.434159    | 11:34:02    |
| 1594    | 641117.281  | 6632220.76   | 30/10/2007  | 96.651  | 136.469504    | -30.4338629   | 11:37:46    |
| 1595    | 640142.215  | 6632173.06   | 30/10/2007  | 88.105  | 136.4593595   | -30.4344071   | 11:42:04    |
| 1596    | 639200.331  | 6632181.52   | 30/10/2007  | 84.285  | 136.4495528   | -30.4344401   | 11:46:10    |
| 1597    | 639189.738  | 6633167.22   | 30/10/2007  | 86.616  | 136.449311    | -30.4255492   | 11:49:15    |
| 1598    | 639057.95   | 6634176.94   | 30/10/2007  | 98.236  | 136.4478046   | -30.4164556   | 11:52:58    |
| 1599    | 640170.713  | 6633137.73   | 30/10/2007  | 88.52   | 136.4595266   | -30.4257014   | 12:31:43    |
| 1600    | 641168.046  | 6633159.39   | 30/10/2007  | 99.856  | 136.4699055   | -30.4253895   | 12:34:57    |
| 1601    | 642137.034  | 6633105.73   | 30/10/2007  | 110.661 | 136.4799996   | -30.4257596   | 12:37:28    |
| 1602    | 643109.367  | 6633158.1    | 30/10/2007  | 114.366 | 136.4901139   | -30.4251721   | 12:39:52    |
| 1603    | 644156.814  | 6633172.57   | 30/10/2007  | 110.489 | 136.5010152   | -30.4249166   | 12:42:01    |
| 1604    | 645144.262  | 6633190.24   | 30/10/2007  | 116.088 | 136.5112915   | -30.4246386   | 12:44:18    |
| 1589    | 646186.114  | 6632179.76   | 30/10/2007  | 121.128 | 136.522278    | -30.4336279   | 12:47:34    |
| 1605    | 646107.844  | 6633162.18   | 30/10/2007  | 117.467 | 136.5213256   | -30.4247752   | 12:50:31    |

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| station | lialrdng_mgal | etc_mgals | obsg84_mgals | obsg84_gu  | gt_gu       | fag_gu  |
|---------|---------------|-----------|--------------|------------|-------------|---------|
| 1558    | 4087.395      | -0.047    | 979317.432   | 9793174.32 | 9793609.345 | -81.38  |
| 1559    | 4087.283      | -0.046    | 979317.322   | 9793173.22 | 9793609.617 | -76.69  |
| 1560    | 4088.457      | -0.044    | 979318.498   | 9793184.98 | 9793609.484 | -74.78  |
| 1561    | 4088.762      | -0.042    | 979318.805   | 9793188.05 | 9793609.226 | -76.38  |
| 1562    | 4090.769      | -0.041    | 979320.814   | 9793208.14 | 9793610.035 | -76.53  |
| 1563    | 4092.913      | -0.039    | 979322.96    | 9793229.6  | 9793609.781 | -78.91  |
| 1564    | 4092.693      | -0.037    | 979322.743   | 9793227.43 | 9793610.124 | -64.85  |
| 1505    | 4090.576      | -0.033    | 979320.631   | 9793206.31 | 9793602.929 | -93.58  |
| 1565    | 4090.161      | -0.017    | 979320.237   | 9793202.37 | 9793602.632 | -100.29 |
| 1566    | 4088.578      | -0.015    | 979318.657   | 9793186.57 | 9793602.509 | -101.03 |
| 1567    | 4088.294      | -0.014    | 979318.375   | 9793183.75 | 9793602.561 | -103.42 |
| 1568    | 4086.298      | -0.012    | 979316.381   | 9793163.81 | 9793602.148 | -97.05  |
| 1569    | 4086.345      | -0.01     | 979316.431   | 9793164.31 | 9793602.371 | -98.15  |
| 1570    | 4085.87       | -0.008    | 979315.958   | 9793159.58 | 9793602.226 | -99.6   |
| 1571    | 4084.545      | -0.005    | 979314.636   | 9793146.36 | 9793602.344 | -95.34  |
| 1572    | 4084.3        | -0.003    | 979314.394   | 9793143.94 | 9793602.91  | -94.99  |
| 1573    | 4081.762      | -0.001    | 979311.858   | 9793118.58 | 9793595.174 | -106.69 |
| 1574    | 4081.897      | 0.001     | 979311.996   | 9793119.96 | 9793595.648 | -107.83 |
| 1575    | 4083.131      | 0.003     | 979313.233   | 9793132.33 | 9793594.48  | -114.21 |
| 1576    | 4083.169      | 0.005     | 979313.274   | 9793132.74 | 9793595.821 | -108.59 |
| 1577    | 4084.777      | 0.007     | 979314.885   | 9793148.85 | 9793595.232 | -120.07 |
| 1578    | 4086.858      | 0.009     | 979316.968   | 9793169.68 | 9793595.59  | -125.16 |
| 1579    | 4087.902      | 0.012     | 979318.015   | 9793180.15 | 9793596.226 | -123.66 |
| 1580    | 4088.252      | 0.014     | 979318.368   | 9793183.68 | 9793595.659 | -124.05 |
| 1581    | 4087.407      | 0.016     | 979317.525   | 9793175.25 | 9793588.439 | -152.14 |
| 1582    | 4086.465      | 0.018     | 979316.586   | 9793165.86 | 9793588.273 | -150.9  |
| 1583    | 4084.003      | 0.02      | 979314.126   | 9793141.26 | 9793588.23  | -142.81 |
| 1584    | 4082.202      | 0.022     | 979312.328   | 9793123.28 | 9793588.186 | -136.05 |
| 1585    | 4080.138      | 0.025     | 979310.268   | 9793102.68 | 9793587.643 | -126.78 |
| 1586    | 4080.711      | 0.028     | 979310.845   | 9793108.45 | 9793587.793 | -122.87 |
| 1613    | 4080.571      | 0.03      | 979310.707   | 9793107.07 | 9793587.793 | -124.32 |
| 1587    | 4078.686      | 0.034     | 979308.827   | 9793088.27 | 9793587.858 | -117.02 |
| 1588    | 4079.65       | 0.037     | 979309.794   | 9793097.94 | 9793588.255 | -118.9  |
| 1589    | 4077.604      | 0.04      | 979307.752   | 9793077.52 | 9793580.741 | -129.49 |
| 1590    | 4077.21       | 0.043     | 979307.363   | 9793073.63 | 9793580.479 | -133.3  |
| 1591    | 4079.093      | 0.045     | 979309.248   | 9793092.48 | 9793581.197 | -139.71 |
| 1592    | 4078.727      | 0.048     | 979308.886   | 9793088.86 | 9793580.65  | -144.34 |
| 1593    | 4080.237      | 0.05      | 979310.399   | 9793103.99 | 9793581.159 | -151.97 |
| 1594    | 4082.075      | 0.053     | 979312.24    | 9793122.4  | 9793580.925 | -160.27 |
| 1595    | 4084.158      | 0.056     | 979314.328   | 9793143.28 | 9793581.355 | -166.19 |
| 1596    | 4085.24       | 0.06      | 979315.414   | 9793154.14 | 9793581.381 | -167.15 |
| 1597    | 4082.635      | 0.062     | 979312.812   | 9793128.12 | 9793574.367 | -178.96 |
| 1598    | 4078.413      | 0.065     | 979308.593   | 9793085.93 | 9793567.195 | -178.11 |
| 1599    | 4082.17       | 0.093     | 979312.325   | 9793123.25 | 9793574.487 | -178.07 |
| 1600    | 4079.543      | 0.096     | 979309.7     | 9793097    | 9793574.241 | -169.09 |
| 1601    | 4077.205      | 0.097     | 979307.364   | 9793073.64 | 9793574.533 | -159.4  |
| 1602    | 4076.581      | 0.099     | 979306.741   | 9793067.41 | 9793574.07  | -153.73 |
| 1603    | 4077.794      | 0.1       | 979307.956   | 9793079.56 | 9793573.868 | -153.35 |
| 1604    | 4076.663      | 0.102     | 979306.826   | 9793068.26 | 9793573.649 | -147.15 |
| 1589    | 4077.515      | 0.104     | 979307.68    | 9793076.8  | 9793580.74  | -130.15 |
| 1605    | 4076.797      | 0.106     | 979306.964   | 9793069.64 | 9793573.757 | -141.62 |

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| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1558    | -8.138    | -209.565 | -196.597 | -186.991 | -20.956     | -19.66      | -18.699     |
| 1559    | -7.669    | -207.071 | -193.881 | -184.111 | -20.707     | -19.388     | -18.411     |
| 1560    | -7.478    | -201.538 | -188.714 | -179.215 | -20.154     | -18.871     | -17.921     |
| 1561    | -7.638    | -201.355 | -188.712 | -179.347 | -20.136     | -18.871     | -17.935     |
| 1562    | -7.653    | -194.462 | -182.531 | -173.694 | -19.446     | -18.253     | -17.369     |
| 1563    | -7.891    | -188.108 | -177.061 | -168.878 | -18.811     | -17.706     | -16.888     |
| 1564    | -6.485    | -180.052 | -168.396 | -159.763 | -18.005     | -16.84      | -15.976     |
| 1505    | -9.358    | -203.421 | -192.31  | -184.079 | -20.342     | -19.231     | -18.408     |
| 1565    | -10.029   | -209.019 | -198.02  | -189.872 | -20.902     | -19.802     | -18.987     |
| 1566    | -10.103   | -215.171 | -203.624 | -195.07  | -21.517     | -20.362     | -19.507     |
| 1567    | -10.342   | -217.736 | -206.171 | -197.604 | -21.774     | -20.617     | -19.76      |
| 1568    | -9.705    | -220.756 | -208.241 | -198.971 | -22.076     | -20.824     | -19.897     |
| 1569    | -9.815    | -221.355 | -208.891 | -199.658 | -22.135     | -20.889     | -19.966     |
| 1570    | -9.96     | -223.946 | -211.368 | -202.05  | -22.395     | -21.137     | -20.205     |
| 1571    | -9.534    | -226.065 | -212.841 | -203.046 | -22.607     | -21.284     | -20.305     |
| 1572    | -9.499    | -226.921 | -213.575 | -203.688 | -22.692     | -21.357     | -20.369     |
| 1573    | -10.669   | -240.772 | -227.209 | -217.161 | -24.077     | -22.721     | -21.716     |
| 1574    | -10.783   | -241.164 | -227.675 | -217.683 | -24.116     | -22.767     | -21.768     |
| 1575    | -11.421   | -240.327 | -227.568 | -218.118 | -24.033     | -22.757     | -21.812     |
| 1576    | -10.859   | -237.081 | -224.082 | -214.454 | -23.708     | -22.408     | -21.445     |
| 1577    | -12.007   | -238.343 | -226.377 | -217.514 | -23.834     | -22.638     | -21.751     |
| 1578    | -12.516   | -234.168 | -223.14  | -214.971 | -23.417     | -22.314     | -21.497     |
| 1579    | -12.366   | -229.648 | -218.925 | -210.983 | -22.965     | -21.893     | -21.098     |
| 1580    | -12.405   | -228.407 | -217.849 | -210.028 | -22.841     | -21.785     | -21.003     |
| 1581    | -15.214   | -246.758 | -237.186 | -230.095 | -24.676     | -23.719     | -23.01      |
| 1582    | -15.09    | -249.309 | -239.353 | -231.978 | -24.931     | -23.935     | -23.198     |
| 1583    | -14.281   | -253.054 | -241.9   | -233.639 | -25.305     | -24.19      | -23.364     |
| 1584    | -13.605   | -255.246 | -243.187 | -234.255 | -25.525     | -24.319     | -23.426     |
| 1585    | -12.678   | -256.607 | -243.473 | -233.744 | -25.661     | -24.347     | -23.374     |
| 1586    | -12.287   | -252.08  | -239.009 | -229.326 | -25.208     | -23.901     | -22.933     |
| 1613    | -12.432   | -253.505 | -240.436 | -230.756 | -25.351     | -24.044     | -23.076     |
| 1587    | -11.702   | -255.69  | -241.662 | -231.271 | -25.569     | -24.166     | -23.127     |
| 1588    | -11.89    | -253.529 | -239.91  | -229.821 | -25.353     | -23.991     | -22.982     |
| 1589    | -12.949   | -264.955 | -251.251 | -241.1   | -26.496     | -25.125     | -24.11      |
| 1590    | -13.33    | -268.694 | -254.996 | -244.849 | -26.869     | -25.5       | -24.485     |
| 1591    | -13.971   | -266.213 | -253.415 | -243.936 | -26.621     | -25.342     | -24.394     |
| 1592    | -14.434   | -270.277 | -257.537 | -248.099 | -27.028     | -25.754     | -24.81      |
| 1593    | -15.197   | -269.838 | -257.913 | -249.08  | -26.984     | -25.791     | -24.908     |
| 1594    | -16.027   | -268.373 | -257.436 | -249.335 | -26.837     | -25.744     | -24.933     |
| 1595    | -16.619   | -264.735 | -254.765 | -247.38  | -26.473     | -25.476     | -24.738     |
| 1596    | -16.715   | -261.416 | -251.878 | -244.813 | -26.142     | -25.188     | -24.481     |
| 1597    | -17.896   | -275.836 | -266.035 | -258.775 | -27.584     | -26.604     | -25.877     |
| 1598    | -17.811   | -287.994 | -276.878 | -268.644 | -28.799     | -27.688     | -26.864     |
| 1599    | -17.807   | -277.081 | -267.064 | -259.644 | -27.708     | -26.706     | -25.964     |
| 1600    | -16.909   | -280.783 | -269.484 | -261.114 | -28.078     | -26.948     | -26.111     |
| 1601    | -15.94    | -283.179 | -270.657 | -261.382 | -28.318     | -27.066     | -26.138     |
| 1602    | -15.373   | -281.657 | -268.716 | -259.13  | -28.166     | -26.872     | -25.913     |
| 1603    | -15.335   | -276.933 | -264.43  | -255.169 | -27.693     | -26.443     | -25.517     |
| 1604    | -14.715   | -276.999 | -263.863 | -254.132 | -27.7       | -26.386     | -25.413     |
| 1589    | -13.015   | -265.635 | -251.929 | -241.776 | -26.564     | -25.193     | -24.178     |
| 1605    | -14.162   | -273.014 | -259.722 | -249.875 | -27.301     | -25.972     | -24.988     |

EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1558    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1559    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1560    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1561    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1562    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1563    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1564    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1505    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1565    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1566    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1567    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1568    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1569    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1570    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1571    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1572    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1573    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1574    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1575    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1576    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1577    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1578    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1579    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1580    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1581    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1582    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1583    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1584    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1585    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1586    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1613    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1587    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1588    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1589    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1590    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1591    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1592    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1593    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1594    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1595    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1596    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1597    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1598    | -0.083        | 408275  | 1            | 53   | -72  | 3634    |
| 1599    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1600    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1601    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1602    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1603    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1604    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1589    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1605    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |

## EL3634 Gravity

| station | mga_easting | mga_northing | gate_ddmmyy | ahd_m   | a94_longitude | la94_latitude | time_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|-------------|
| 1606    | 646123.633  | 6634192.52   | 30/10/2007  | 117.669 | 136.5213457   | -30.4154787   | 12:53:00    |
| 1607    | 645180.997  | 6634151.46   | 30/10/2007  | 118.179 | 136.5115402   | -30.415963    | 12:58:00    |
| 1608    | 644201.904  | 6634194.36   | 30/10/2007  | 112.558 | 136.5013434   | -30.4156937   | 13:00:51    |
| 1609    | 643071.243  | 6634126.17   | 30/10/2007  | 116.78  | 136.4895844   | -30.4164436   | 13:03:30    |
| 1610    | 642133.145  | 6634114.05   | 30/10/2007  | 109.508 | 136.4798218   | -30.416664    | 13:05:58    |
| 1611    | 641099.903  | 6634122.67   | 30/10/2007  | 99.907  | 136.469066    | -30.4167077   | 13:08:43    |
| 1612    | 640129.331  | 6634191.56   | 30/10/2007  | 93.245  | 136.4589544   | -30.4161996   | 13:10:58    |
| 1615    | 633160.04   | 6627138.5    | 1/11/2007   | 108.319 | 136.387313    | -30.4806181   | 11:16:33    |
| 1616    | 633606.675  | 6623708.18   | 1/11/2007   | 106.025 | 136.3924058   | -30.5115143   | 11:26:53    |
| 1617    | 632640.281  | 6623649.49   | 1/11/2007   | 109.19  | 136.3823443   | -30.512151    | 11:30:30    |
| 1618    | 631625.359  | 6623680.06   | 1/11/2007   | 109.317 | 136.3717658   | -30.5119869   | 11:33:24    |
| 1619    | 630622.364  | 6623648.1    | 1/11/2007   | 109.357 | 136.3613193   | -30.5123848   | 11:35:52    |
| 1620    | 629617.967  | 6623694.12   | 1/11/2007   | 113.057 | 136.3508484   | -30.5120786   | 11:38:13    |
| 1621    | 628653.045  | 6623676.64   | 1/11/2007   | 114.335 | 136.3407967   | -30.5123401   | 11:40:29    |
| 1648    | 631628.658  | 6616704.49   | 1/11/2007   | 117.949 | 136.3726852   | -30.5749151   | 13:02:39    |
| 1649    | 630614.419  | 6616704.85   | 1/11/2007   | 114.781 | 136.3621107   | -30.5750229   | 13:08:35    |
| 1650    | 629672.644  | 6616668.21   | 1/11/2007   | 105.746 | 136.3522963   | -30.5754559   | 13:10:56    |
| 1651    | 628611.402  | 6616712.13   | 1/11/2007   | 110.586 | 136.3412262   | -30.5751741   | 13:15:29    |
| 1658    | 628613.983  | 6617661.59   | 1/11/2007   | 113.985 | 136.3411353   | -30.5666085   | 13:33:28    |
| 1659    | 629676.728  | 6617636.69   | 1/11/2007   | 106.599 | 136.3522177   | -30.5667185   | 13:36:07    |
| 1660    | 630654.67   | 6617644.89   | 1/11/2007   | 108.424 | 136.3624118   | -30.5665382   | 13:39:11    |
| 1661    | 631615.926  | 6617608.6    | 1/11/2007   | 113.569 | 136.3724376   | -30.5667603   | 13:41:53    |
| 1662    | 631621.995  | 6618688.87   | 1/11/2007   | 111.045 | 136.3723637   | -30.5570142   | 13:44:18    |
| 1663    | 632146.032  | 6619226.18   | 1/11/2007   | 114.417 | 136.3777578   | -30.5521094   | 13:47:51    |
| 1664    | 631622.215  | 6619691.61   | 1/11/2007   | 106.886 | 136.3722387   | -30.5479683   | 13:51:27    |
| 1665    | 630618.57   | 6619692.74   | 1/11/2007   | 107.958 | 136.3617775   | -30.5480679   | 13:55:41    |
| 1666    | 630645.83   | 6618652.14   | 1/11/2007   | 110.765 | 136.3621927   | -30.5574525   | 13:58:28    |
| 1667    | 629648.653  | 6618668.67   | 1/11/2007   | 114.784 | 136.3517959   | -30.5574117   | 14:01:35    |
| 1668    | 628635.891  | 6618650.59   | 1/11/2007   | 115.433 | 136.3412409   | -30.557684    | 14:11:06    |
| 1679    | 628632.297  | 6619661.31   | 1/11/2007   | 113.685 | 136.3410781   | -30.5485663   | 14:42:25    |
| 1680    | 629605.814  | 6619707.66   | 1/11/2007   | 111.031 | 136.3512195   | -30.5480433   | 14:45:27    |
| 1681    | 629166.08   | 6620114.18   | 1/11/2007   | 116.747 | 136.3465854   | -30.5444234   | 14:48:59    |
| 1682    | 629618.316  | 6620694.62   | 1/11/2007   | 108.354 | 136.3512265   | -30.5391382   | 14:51:46    |
| 1683    | 628652.297  | 6620657.86   | 1/11/2007   | 111.653 | 136.341163    | -30.5395739   | 14:54:20    |
| 1694    | 628600.386  | 6621645.55   | 1/11/2007   | 111.547 | 136.3404995   | -30.5306691   | 15:30:43    |
| 1695    | 628642.784  | 6622695.22   | 1/11/2007   | 106.749 | 136.3408113   | -30.521195    | 15:33:16    |
| 1696    | 629744.776  | 6622636.07   | 1/11/2007   | 105.566 | 136.3523018   | -30.52161     | 15:35:28    |
| 1697    | 629624.745  | 6621663.66   | 1/11/2007   | 103.031 | 136.3511725   | -30.5303955   | 15:38:00    |
| 1277    | 630156.503  | 6621154.56   | 1/11/2007   | 106.59  | 136.3567779   | -30.5349306   | 15:41:07    |
| 1698    | 630650.658  | 6620714.58   | 1/11/2007   | 103.677 | 136.3619832   | -30.538846    | 15:44:27    |
| 1699    | 630611.533  | 6621680.41   | 1/11/2007   | 105.752 | 136.3614539   | -30.5301372   | 15:47:17    |
| 1700    | 630669.138  | 6622674.49   | 1/11/2007   | 108.19  | 136.3619291   | -30.5211631   | 15:49:42    |
| 1702    | 631638.462  | 6621669.48   | 1/11/2007   | 110.434 | 136.3721571   | -30.5301236   | 15:54:34    |
| 1703    | 631637.925  | 6620632.69   | 1/11/2007   | 105.398 | 136.372283    | -30.5394768   | 15:56:51    |
| 1704    | 632610.5    | 6620627.96   | 1/11/2007   | 108.418 | 136.3824199   | -30.5394123   | 15:59:17    |
| 1705    | 632635.658  | 6619690.16   | 1/11/2007   | 114.97  | 136.382802    | -30.5478696   | 16:04:02    |
| 1706    | 632651.817  | 6618694.45   | 1/11/2007   | 111.824 | 136.3830978   | -30.5568503   | 16:06:26    |
| 1707    | 632629.863  | 6617664.64   | 1/11/2007   | 112.474 | 136.3830008   | -30.5661429   | 16:09:01    |
| 1708    | 632647.026  | 6616693.09   | 1/11/2007   | 115.393 | 136.3833041   | -30.5749055   | 16:11:34    |
| 1711    | 633626.914  | 6616678.1    | 1/11/2007   | 118.469 | 136.3935222   | -30.5749317   | 16:20:19    |
| 1712    | 633637.354  | 6617640.67   | 1/11/2007   | 112.623 | 136.3935069   | -30.5662471   | 16:22:59    |

EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsrg84_mgals | obsrg84_gu | gt_gu       | fag_gu  |
|---------|---------------|-----------|---------------|------------|-------------|---------|
| 1606    | 4075.24       | 0.107     | 979305.408    | 9793054.08 | 9793566.425 | -149.23 |
| 1607    | 4074.912      | 0.11      | 979305.083    | 9793050.83 | 9793566.806 | -151.29 |
| 1608    | 4076.25       | 0.112     | 979306.422    | 9793064.22 | 9793566.594 | -155.03 |
| 1609    | 4074.962      | 0.114     | 979305.136    | 9793051.36 | 9793567.186 | -155.45 |
| 1610    | 4076.083      | 0.115     | 979306.258    | 9793062.58 | 9793567.359 | -166.85 |
| 1611    | 4078.031      | 0.116     | 979308.207    | 9793082.07 | 9793567.394 | -177.02 |
| 1612    | 4079.458      | 0.118     | 979309.635    | 9793096.35 | 9793566.993 | -182.89 |
| 1615    | 4092.856      | -0.015    | 979322.897    | 9793228.97 | 9793617.828 | -54.6   |
| 1616    | 4099.038      | -0.012    | 979329.082    | 9793290.82 | 9793642.231 | -24.23  |
| 1617    | 4098.24       | -0.011    | 979328.285    | 9793282.85 | 9793642.734 | -22.94  |
| 1618    | 4097.878      | -0.01     | 979327.924    | 9793279.24 | 9793642.605 | -26.03  |
| 1619    | 4097.517      | -0.009    | 979327.563    | 9793275.63 | 9793642.919 | -29.82  |
| 1620    | 4096.766      | -0.008    | 979326.813    | 9793268.13 | 9793642.677 | -25.66  |
| 1621    | 4096.642      | -0.007    | 979326.69     | 9793266.9  | 9793642.884 | -23.16  |
| 1648    | 4102.976      | 0.024     | 979333.054    | 9793330.54 | 9793692.355 | 2.16    |
| 1649    | 4103.838      | 0.027     | 979333.918    | 9793339.18 | 9793692.441 | 0.95    |
| 1650    | 4106.389      | 0.028     | 979336.47     | 9793364.7  | 9793692.783 | -1.76   |
| 1651    | 4105.707      | 0.029     | 979335.79     | 9793357.9  | 9793692.56  | 6.6     |
| 1658    | 4104.149      | 0.037     | 979334.239    | 9793342.39 | 9793685.785 | 8.36    |
| 1659    | 4104.8        | 0.038     | 979334.891    | 9793348.91 | 9793685.872 | -8      |
| 1660    | 4104.325      | 0.04      | 979334.418    | 9793344.18 | 9793685.729 | -6.97   |
| 1661    | 4102.778      | 0.041     | 979332.872    | 9793328.72 | 9793685.905 | -6.72   |
| 1662    | 4102.219      | 0.042     | 979332.314    | 9793323.14 | 9793678.197 | -12.38  |
| 1663    | 4100.922      | 0.043     | 979331.018    | 9793310.18 | 9793674.318 | -11.06  |
| 1664    | 4102.476      | 0.045     | 979332.573    | 9793325.73 | 9793671.044 | -15.47  |
| 1665    | 4101.783      | 0.047     | 979331.882    | 9793318.82 | 9793671.123 | -19.15  |
| 1666    | 4102.325      | 0.048     | 979332.425    | 9793324.25 | 9793678.543 | -12.48  |
| 1667    | 4101.691      | 0.049     | 979331.793    | 9793317.93 | 9793678.511 | -6.37   |
| 1668    | 4102.18       | 0.053     | 979332.285    | 9793322.85 | 9793678.727 | 0.34    |
| 1679    | 4100.952      | 0.065     | 979331.069    | 9793310.69 | 9793671.517 | -10     |
| 1680    | 4101.267      | 0.066     | 979331.385    | 9793313.85 | 9793671.103 | -14.62  |
| 1681    | 4100.005      | 0.068     | 979330.124    | 9793301.24 | 9793668.241 | -6.73   |
| 1682    | 4100.789      | 0.069     | 979330.909    | 9793309.09 | 9793664.063 | -20.6   |
| 1683    | 4100.27       | 0.07      | 979330.391    | 9793303.91 | 9793664.407 | -15.94  |
| 1694    | 4098.909      | 0.082     | 979329.041    | 9793290.41 | 9793657.368 | -22.73  |
| 1695    | 4099.087      | 0.082     | 979329.22     | 9793292.2  | 9793649.881 | -28.26  |
| 1696    | 4100.293      | 0.083     | 979330.427    | 9793304.27 | 9793650.209 | -20.17  |
| 1697    | 4101.442      | 0.084     | 979331.576    | 9793315.76 | 9793657.152 | -23.44  |
| 1277    | 4101.298      | 0.085     | 979331.433    | 9793314.33 | 9793660.737 | -17.48  |
| 1698    | 4102.484      | 0.085     | 979332.62     | 9793326.2  | 9793663.832 | -17.69  |
| 1699    | 4101.287      | 0.086     | 979331.424    | 9793314.24 | 9793656.948 | -16.37  |
| 1700    | 4099.796      | 0.087     | 979329.933    | 9793299.33 | 9793649.856 | -16.66  |
| 1702    | 4100.308      | 0.088     | 979330.446    | 9793304.46 | 9793656.937 | -11.68  |
| 1703    | 4101.666      | 0.089     | 979331.805    | 9793318.05 | 9793664.331 | -21.03  |
| 1704    | 4101.544      | 0.089     | 979331.684    | 9793316.84 | 9793664.28  | -12.87  |
| 1705    | 4100.969      | 0.09      | 979331.109    | 9793311.09 | 9793670.966 | -5.08   |
| 1706    | 4101.77       | 0.091     | 979331.911    | 9793319.11 | 9793678.067 | -13.88  |
| 1707    | 4102.606      | 0.091     | 979332.747    | 9793327.47 | 9793685.417 | -10.86  |
| 1708    | 4102.847      | 0.092     | 979332.989    | 9793329.89 | 9793692.348 | -6.36   |
| 1711    | 4102.044      | 0.093     | 979332.187    | 9793321.87 | 9793692.369 | -4.91   |
| 1712    | 4102.44       | 0.094     | 979332.584    | 9793325.84 | 9793685.499 | -12.11  |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1606    | -14.923   | -280.844 | -267.529 | -257.666 | -28.084     | -26.753     | -25.767     |
| 1607    | -15.129   | -283.473 | -270.1   | -260.194 | -28.347     | -27.01      | -26.019     |
| 1608    | -15.503   | -280.928 | -268.192 | -258.757 | -28.093     | -26.819     | -25.876     |
| 1609    | -15.545   | -286.074 | -272.86  | -263.071 | -28.607     | -27.286     | -26.307     |
| 1610    | -16.685   | -289.334 | -276.942 | -267.763 | -28.933     | -27.694     | -26.776     |
| 1611    | -17.702   | -288.766 | -277.46  | -269.086 | -28.877     | -27.746     | -26.909     |
| 1612    | -18.289   | -287.191 | -276.64  | -268.824 | -28.719     | -27.664     | -26.882     |
| 1615    | -5.46     | -175.751 | -163.494 | -154.415 | -17.575     | -16.349     | -15.442     |
| 1616    | -2.423    | -142.818 | -130.821 | -121.934 | -14.282     | -13.082     | -12.193     |
| 1617    | -2.294    | -145.065 | -132.709 | -123.557 | -14.507     | -13.271     | -12.356     |
| 1618    | -2.603    | -148.296 | -135.926 | -126.763 | -14.83      | -13.593     | -12.676     |
| 1619    | -2.982    | -152.141 | -139.767 | -130.6   | -15.214     | -13.977     | -13.06      |
| 1620    | -2.566    | -152.121 | -139.327 | -129.851 | -15.212     | -13.933     | -12.985     |
| 1621    | -2.316    | -151.043 | -138.105 | -128.522 | -15.104     | -13.811     | -12.852     |
| 1648    | 0.216     | -129.766 | -116.419 | -106.532 | -12.977     | -11.642     | -10.653     |
| 1649    | 0.095     | -127.443 | -114.455 | -104.834 | -12.744     | -11.445     | -10.483     |
| 1650    | -0.176    | -120.039 | -108.073 | -99.21   | -12.004     | -10.807     | -9.921      |
| 1651    | 0.66      | -117.095 | -104.581 | -95.312  | -11.71      | -10.458     | -9.531      |
| 1658    | 0.836     | -119.143 | -106.245 | -96.69   | -11.914     | -10.624     | -9.669      |
| 1659    | -0.8      | -127.24  | -115.177 | -106.242 | -12.724     | -11.518     | -10.624     |
| 1660    | -0.697    | -128.237 | -115.968 | -106.88  | -12.824     | -11.597     | -10.688     |
| 1661    | -0.672    | -133.751 | -120.9   | -111.381 | -13.375     | -12.09      | -11.138     |
| 1662    | -1.238    | -136.589 | -124.023 | -114.715 | -13.659     | -12.402     | -11.472     |
| 1663    | -1.106    | -139.036 | -126.089 | -116.499 | -13.904     | -12.609     | -11.65      |
| 1664    | -1.547    | -135.027 | -122.932 | -113.973 | -13.503     | -12.293     | -11.397     |
| 1665    | -1.915    | -139.907 | -127.691 | -118.642 | -13.991     | -12.769     | -11.864     |
| 1666    | -1.248    | -136.376 | -123.842 | -114.558 | -13.638     | -12.384     | -11.456     |
| 1667    | -0.637    | -134.757 | -121.769 | -112.148 | -13.476     | -12.177     | -11.215     |
| 1668    | 0.034     | -128.776 | -115.714 | -106.038 | -12.878     | -11.571     | -10.604     |
| 1679    | -1        | -137.165 | -124.301 | -114.772 | -13.716     | -12.43      | -11.477     |
| 1680    | -1.462    | -138.812 | -126.248 | -116.942 | -13.881     | -12.625     | -11.694     |
| 1681    | -0.673    | -137.316 | -124.105 | -114.319 | -13.732     | -12.411     | -11.432     |
| 1682    | -2.06     | -141.798 | -129.537 | -120.455 | -14.18      | -12.954     | -12.046     |
| 1683    | -1.594    | -140.833 | -128.199 | -118.84  | -14.083     | -12.82      | -11.884     |
| 1694    | -2.273    | -147.502 | -134.88  | -125.53  | -14.75      | -13.488     | -12.553     |
| 1695    | -2.826    | -147.664 | -135.584 | -126.636 | -14.766     | -13.558     | -12.664     |
| 1696    | -2.017    | -138.249 | -126.303 | -117.455 | -13.825     | -12.63      | -11.745     |
| 1697    | -2.344    | -138.689 | -127.03  | -118.394 | -13.869     | -12.703     | -11.839     |
| 1277    | -1.748    | -136.702 | -124.641 | -115.707 | -13.67      | -12.464     | -11.571     |
| 1698    | -1.769    | -133.658 | -121.926 | -113.236 | -13.366     | -12.193     | -11.324     |
| 1699    | -1.637    | -134.652 | -122.686 | -113.821 | -13.465     | -12.269     | -11.382     |
| 1700    | -1.666    | -137.673 | -125.431 | -116.363 | -13.767     | -12.543     | -11.636     |
| 1702    | -1.168    | -135.211 | -122.714 | -113.458 | -13.521     | -12.271     | -11.346     |
| 1703    | -2.103    | -138.921 | -126.995 | -118.16  | -13.892     | -12.699     | -11.816     |
| 1704    | -1.287    | -134.139 | -121.871 | -112.783 | -13.414     | -12.187     | -11.278     |
| 1705    | -0.508    | -133.686 | -120.677 | -111.04  | -13.369     | -12.068     | -11.104     |
| 1706    | -1.388    | -138.956 | -126.303 | -116.93  | -13.896     | -12.63      | -11.693     |
| 1707    | -1.086    | -136.667 | -123.94  | -114.512 | -13.667     | -12.394     | -11.451     |
| 1708    | -0.636    | -135.436 | -122.379 | -112.706 | -13.544     | -12.238     | -11.271     |
| 1711    | -0.491    | -137.426 | -124.02  | -114.09  | -13.743     | -12.402     | -11.409     |
| 1712    | -1.211    | -138.086 | -125.342 | -115.902 | -13.809     | -12.534     | -11.59      |

EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1606    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1607    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1608    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1609    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1610    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1611    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1612    | 0.005         | 408275  | 1            | 53   | -72  | 3634    |
| 1615    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1616    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1617    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1618    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1619    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1620    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1621    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1648    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1649    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1650    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1651    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1658    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1659    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1660    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1661    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1662    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1663    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1664    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1665    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1666    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1667    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1668    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1679    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1680    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1681    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1682    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1683    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1694    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1695    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1696    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1697    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1277    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1698    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1699    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1700    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1702    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1703    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1704    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1705    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1706    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1707    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1708    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1711    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1712    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |

EL3634 Gravity

| station | mga_easting | mga_northing | gate_ddmmyy | ahd_m   | a94_longitude | la94_latitude | dtime_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|--------------|
| 1713    | 633626.184  | 6618654.4    | 1/11/2007   | 114.75  | 136.3932597   | -30.5571033   | 16:25:38     |
| 1714    | 633635.845  | 6619671.36   | 1/11/2007   | 107.488 | 136.3932294   | -30.547928    | 16:28:46     |
| 1715    | 633641.396  | 6620673.47   | 1/11/2007   | 114.654 | 136.3931582   | -30.5388873   | 16:31:14     |
| 1716    | 633636.053  | 6621656.32   | 1/11/2007   | 115.75  | 136.3929759   | -30.5300213   | 16:33:41     |
| 1717    | 633117.511  | 6621163.58   | 1/11/2007   | 113.187 | 136.3876354   | -30.5345242   | 16:36:40     |
| 1718    | 632642.172  | 6621651.8    | 1/11/2007   | 112.566 | 136.3826192   | -30.5301724   | 16:39:08     |
| 1719    | 632633.261  | 6622671.72   | 1/11/2007   | 110.531 | 136.382396    | -30.5209725   | 16:41:42     |
| 1720    | 631652.248  | 6622663.06   | 1/11/2007   | 114.126 | 136.3721748   | -30.5211586   | 16:43:53     |
| 1721    | 633668.843  | 6622664.92   | 1/11/2007   | 108.246 | 136.3931878   | -30.5209189   | 16:46:49     |
| 1722    | 634100.202  | 6623152.6    | 1/11/2007   | 107.575 | 136.3976196   | -30.5164713   | 16:49:47     |
| 1723    | 633623.624  | 6624676.7    | 1/11/2007   | 101.77  | 136.3924579   | -30.5027752   | 16:56:47     |
| 1724    | 635133.017  | 6625148.62   | 2/11/2007   | 114.898 | 136.4081216   | -30.498349    | 7:04:16      |
| 1725    | 634647.254  | 6624646.24   | 2/11/2007   | 110.297 | 136.4031262   | -30.5029357   | 7:07:03      |
| 1726    | 634614.411  | 6623679.48   | 2/11/2007   | 106.146 | 136.4029092   | -30.5116606   | 7:11:40      |
| 1727    | 634597.564  | 6622675.72   | 2/11/2007   | 117.121 | 136.4028637   | -30.5207177   | 7:15:16      |
| 1728    | 634655.299  | 6621697.71   | 2/11/2007   | 109.618 | 136.4035922   | -30.529534    | 7:17:36      |
| 1729    | 634624.457  | 6620664.68   | 2/11/2007   | 108.907 | 136.4034047   | -30.5388566   | 7:19:52      |
| 1730    | 635617.062  | 6619737.42   | 2/11/2007   | 114.559 | 136.4138708   | -30.5471096   | 7:22:25      |
| 1731    | 636632.817  | 6619704.65   | 2/11/2007   | 115.716 | 136.4244621   | -30.5472898   | 7:24:53      |
| 1732    | 636143.581  | 6619186.59   | 2/11/2007   | 114.089 | 136.4194309   | -30.5520189   | 7:27:08      |
| 1733    | 636621.963  | 6618687.47   | 2/11/2007   | 117.046 | 136.424483    | -30.5564671   | 7:29:29      |
| 1734    | 637595.092  | 6617685.22   | 2/11/2007   | 118.177 | 136.4347597   | -30.565397    | 7:32:11      |
| 1735    | 638617.097  | 6617658.25   | 2/11/2007   | 118.364 | 136.4454173   | -30.5655224   | 7:34:31      |
| 1736    | 638625.909  | 6616664.09   | 2/11/2007   | 109.396 | 136.4456422   | -30.5744897   | 7:36:41      |
| 1737    | 639632.867  | 6616690.34   | 2/11/2007   | 113.612 | 136.4561367   | -30.5741358   | 7:39:53      |
| 1738    | 640668.641  | 6616690.11   | 2/11/2007   | 107.047 | 136.4669352   | -30.5740166   | 7:43:04      |
| 1739    | 641633.218  | 6616668.91   | 2/11/2007   | 110.196 | 136.4769942   | -30.5740941   | 7:45:51      |
| 1740    | 642644.832  | 6616690.16   | 2/11/2007   | 109.979 | 136.4875377   | -30.5737824   | 7:48:07      |
| 1741    | 643107.29   | 6617178.24   | 2/11/2007   | 115.179 | 136.4922915   | -30.5693243   | 7:50:16      |
| 1742    | 643631.258  | 6616691.94   | 2/11/2007   | 105.847 | 136.4978212   | -30.5736483   | 7:52:25      |
| 1743    | 644640.754  | 6616681.39   | 2/11/2007   | 107.656 | 136.5083469   | -30.573622    | 7:54:40      |
| 1744    | 645633.444  | 6616665.1    | 2/11/2007   | 106.733 | 136.5186981   | -30.5736486   | 7:56:59      |
| 1745    | 648146.26   | 6617208.32   | 2/11/2007   | 112.255 | 136.5448167   | -30.5684401   | 8:00:05      |
| 1746    | 645630.404  | 6617669.31   | 2/11/2007   | 109.382 | 136.5185253   | -30.5645904   | 8:05:40      |
| 1747    | 645631.471  | 6618662.87   | 2/11/2007   | 109.808 | 136.5183968   | -30.5556276   | 8:08:06      |
| 1748    | 645628.086  | 6619692.44   | 2/11/2007   | 113.753 | 136.5182169   | -30.5463406   | 8:10:45      |
| 1749    | 645599.809  | 6620701.89   | 2/11/2007   | 113.255 | 136.5177806   | -30.5372382   | 8:13:13      |
| 1750    | 645635.097  | 6621724.17   | 2/11/2007   | 111.61  | 136.5180049   | -30.5280122   | 8:15:22      |
| 1751    | 645628.152  | 6622664.62   | 2/11/2007   | 113.095 | 136.5178006   | -30.5195295   | 8:17:52      |
| 1752    | 645625.582  | 6623687.01   | 2/11/2007   | 115.636 | 136.5176306   | -30.5103071   | 8:20:20      |
| 1753    | 644662.95   | 6623691.41   | 2/11/2007   | 113.484 | 136.5076008   | -30.5103839   | 8:22:44      |
| 1481    | 644141.163  | 6623126.46   | 2/11/2007   | 115.592 | 136.502243    | -30.5155429   | 8:27:30      |
| 1754    | 644640.256  | 6622684.75   | 2/11/2007   | 113.04  | 136.5075046   | -30.5194674   | 8:30:37      |
| 1755    | 644631.694  | 6621640.13   | 2/11/2007   | 112.133 | 136.5075608   | -30.5288917   | 8:32:53      |
| 1756    | 644631.225  | 6620671.18   | 2/11/2007   | 113.998 | 136.507691    | -30.5376324   | 8:35:11      |
| 1757    | 644648.723  | 6619649.74   | 2/11/2007   | 113.358 | 136.5080157   | -30.5468444   | 8:39:15      |
| 1758    | 644625.242  | 6618667.51   | 2/11/2007   | 112.314 | 136.507908    | -30.5557077   | 8:41:59      |
| 1759    | 644673.555  | 6617686.56   | 2/11/2007   | 107.299 | 136.5085485   | -30.5645507   | 8:44:53      |
| 1760    | 643619.862  | 6617677.56   | 2/11/2007   | 115.905 | 136.4975657   | -30.5647587   | 8:47:12      |
| 1761    | 643635.418  | 6618651.03   | 2/11/2007   | 121.528 | 136.497593    | -30.5559754   | 8:49:22      |
| 1762    | 643621.208  | 6619680.69   | 2/11/2007   | 112.369 | 136.4973023   | -30.5466888   | 8:51:47      |

## EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsrg84_mgals | obsrg84_gu | gt_gu       | fag_gu |
|---------|---------------|-----------|---------------|------------|-------------|--------|
| 1713    | 4101.421      | 0.094     | 979331.565    | 9793315.65 | 9793678.267 | -8.5   |
| 1714    | 4102.296      | 0.095     | 979332.441    | 9793324.41 | 9793671.012 | -14.91 |
| 1715    | 4099.813      | 0.095     | 979329.958    | 9793299.58 | 9793663.865 | -10.47 |
| 1716    | 4099.279      | 0.096     | 979329.424    | 9793294.24 | 9793656.856 | -5.42  |
| 1717    | 4099.433      | 0.096     | 979329.579    | 9793295.79 | 9793660.416 | -15.34 |
| 1718    | 4099.745      | 0.096     | 979329.891    | 9793298.91 | 9793656.976 | -10.7  |
| 1719    | 4099.137      | 0.097     | 979329.283    | 9793292.83 | 9793649.705 | -15.78 |
| 1720    | 4098.612      | 0.097     | 979328.758    | 9793287.58 | 9793649.852 | -10.08 |
| 1721    | 4099.563      | 0.097     | 979329.71     | 9793297.1  | 9793649.663 | -18.53 |
| 1722    | 4098.906      | 0.098     | 979329.053    | 9793290.53 | 9793646.148 | -23.65 |
| 1723    | 4098.902      | 0.098     | 979329.049    | 9793290.49 | 9793635.327 | -30.78 |
| 1724    | 4095.344      | -0.011    | 979325.422    | 9793254.22 | 9793631.831 | -23.04 |
| 1725    | 4097.533      | -0.011    | 979327.612    | 9793276.12 | 9793635.454 | -18.97 |
| 1726    | 4099.719      | -0.01     | 979329.798    | 9793297.98 | 9793642.347 | -16.81 |
| 1727    | 4097.977      | -0.01     | 979328.056    | 9793280.56 | 9793649.504 | -7.51  |
| 1728    | 4100.975      | -0.01     | 979331.054    | 9793310.54 | 9793656.471 | -7.65  |
| 1729    | 4101.897      | -0.01     | 979331.977    | 9793319.77 | 9793663.84  | -8     |
| 1730    | 4100.48       | -0.01     | 979330.56     | 9793305.6  | 9793670.365 | -11.25 |
| 1731    | 4100.48       | -0.009    | 979330.56     | 9793305.6  | 9793670.508 | -7.82  |
| 1732    | 4100.583      | -0.009    | 979330.663    | 9793306.63 | 9793674.247 | -15.55 |
| 1733    | 4100.164      | -0.009    | 979330.244    | 9793302.44 | 9793677.764 | -14.13 |
| 1734    | 4100.283      | -0.009    | 979330.363    | 9793303.63 | 9793684.827 | -16.51 |
| 1735    | 4101.396      | -0.009    | 979331.476    | 9793314.76 | 9793684.926 | -4.9   |
| 1736    | 4103.34       | -0.009    | 979333.42     | 9793334.2  | 9793692.019 | -20.23 |
| 1737    | 4102.901      | -0.009    | 979332.981    | 9793329.81 | 9793691.739 | -11.33 |
| 1738    | 4104.484      | -0.009    | 979334.565    | 9793345.65 | 9793691.645 | -15.66 |
| 1739    | 4103.863      | -0.008    | 979333.944    | 9793339.44 | 9793691.706 | -12.21 |
| 1740    | 4103.416      | -0.008    | 979333.497    | 9793334.97 | 9793691.459 | -17.11 |
| 1741    | 4102.115      | -0.008    | 979332.196    | 9793321.96 | 9793687.933 | -10.54 |
| 1742    | 4104.228      | -0.008    | 979334.309    | 9793343.09 | 9793691.353 | -21.63 |
| 1743    | 4104.297      | -0.008    | 979334.378    | 9793343.78 | 9793691.332 | -15.34 |
| 1744    | 4103.964      | -0.008    | 979334.045    | 9793340.45 | 9793691.353 | -21.54 |
| 1745    | 4100.948      | -0.008    | 979331.029    | 9793310.29 | 9793687.234 | -30.53 |
| 1746    | 4101.657      | -0.008    | 979331.738    | 9793317.38 | 9793684.189 | -29.26 |
| 1747    | 4101.849      | -0.008    | 979331.93     | 9793319.3  | 9793677.1   | -18.94 |
| 1748    | 4100.865      | -0.008    | 979330.946    | 9793309.46 | 9793669.757 | -9.26  |
| 1749    | 4099.443      | -0.008    | 979329.524    | 9793295.24 | 9793662.561 | -17.82 |
| 1750    | 4099.425      | -0.008    | 979329.506    | 9793295.06 | 9793655.269 | -15.79 |
| 1751    | 4097.95       | -0.008    | 979328.031    | 9793280.31 | 9793648.565 | -19.25 |
| 1752    | 4095.132      | -0.008    | 979325.213    | 9793252.13 | 9793641.278 | -32.3  |
| 1753    | 4096.399      | -0.008    | 979326.48     | 9793264.8  | 9793641.338 | -26.33 |
| 1481    | 4097.724      | -0.008    | 979327.805    | 9793278.05 | 9793645.415 | -10.66 |
| 1754    | 4098.724      | -0.008    | 979328.805    | 9793288.05 | 9793648.516 | -11.63 |
| 1755    | 4099.595      | -0.008    | 979329.676    | 9793296.76 | 9793655.964 | -13.17 |
| 1756    | 4099.896      | -0.008    | 979329.977    | 9793299.77 | 9793662.873 | -11.32 |
| 1757    | 4100.72       | -0.008    | 979330.801    | 9793308.01 | 9793670.155 | -12.33 |
| 1758    | 4101.828      | -0.008    | 979331.909    | 9793319.09 | 9793677.164 | -11.49 |
| 1759    | 4103.576      | -0.008    | 979333.656    | 9793336.56 | 9793684.157 | -16.48 |
| 1760    | 4101.985      | -0.008    | 979332.065    | 9793320.65 | 9793684.322 | -5.99  |
| 1761    | 4099.721      | -0.008    | 979329.801    | 9793298.01 | 9793677.375 | -4.34  |
| 1762    | 4101.37       | -0.008    | 979331.45     | 9793314.5  | 9793670.032 | -8.77  |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1713    | -0.85     | -136.86  | -123.876 | -114.257 | -13.686     | -12.388     | -11.426     |
| 1714    | -1.491    | -135.131 | -122.968 | -113.959 | -13.513     | -12.297     | -11.396     |
| 1715    | -1.047    | -138.716 | -125.743 | -116.132 | -13.872     | -12.574     | -11.613     |
| 1716    | -0.542    | -134.892 | -121.794 | -112.092 | -13.489     | -12.179     | -11.209     |
| 1717    | -1.534    | -141.943 | -129.135 | -119.648 | -14.194     | -12.914     | -11.965     |
| 1718    | -1.07     | -136.605 | -123.868 | -114.432 | -13.661     | -12.387     | -11.443     |
| 1719    | -1.578    | -139.418 | -126.91  | -117.645 | -13.942     | -12.691     | -11.765     |
| 1720    | -1.008    | -137.743 | -124.828 | -115.262 | -13.774     | -12.483     | -11.526     |
| 1721    | -1.853    | -139.6   | -127.352 | -118.278 | -13.96      | -12.735     | -11.828     |
| 1722    | -2.365    | -143.976 | -131.803 | -122.786 | -14.398     | -13.18      | -12.279     |
| 1723    | -3.078    | -144.615 | -133.099 | -124.568 | -14.461     | -13.31      | -12.457     |
| 1724    | -2.304    | -151.562 | -138.561 | -128.93  | -15.156     | -13.856     | -12.893     |
| 1725    | -1.897    | -142.337 | -129.856 | -120.611 | -14.234     | -12.986     | -12.061     |
| 1726    | -1.681    | -135.536 | -123.525 | -114.627 | -13.554     | -12.352     | -11.463     |
| 1727    | -0.751    | -138.522 | -125.269 | -115.452 | -13.852     | -12.527     | -11.545     |
| 1728    | -0.765    | -130.27  | -117.866 | -108.678 | -13.027     | -11.787     | -10.868     |
| 1729    | -0.8      | -129.808 | -117.484 | -108.356 | -12.981     | -11.748     | -10.836     |
| 1730    | -1.125    | -139.384 | -126.421 | -116.818 | -13.938     | -12.642     | -11.682     |
| 1731    | -0.782    | -137.25  | -124.156 | -114.457 | -13.725     | -12.416     | -11.446     |
| 1732    | -1.555    | -143.16  | -130.25  | -120.687 | -14.316     | -13.025     | -12.069     |
| 1733    | -1.413    | -145.051 | -131.806 | -121.995 | -14.505     | -13.181     | -12.2       |
| 1734    | -1.651    | -148.698 | -135.326 | -125.42  | -14.87      | -13.533     | -12.542     |
| 1735    | -0.49     | -137.299 | -123.906 | -113.984 | -13.73      | -12.391     | -11.398     |
| 1736    | -2.023    | -142.595 | -130.216 | -121.046 | -14.259     | -13.022     | -12.105     |
| 1737    | -1.133    | -138.411 | -125.555 | -116.032 | -13.841     | -12.555     | -11.603     |
| 1738    | -1.566    | -135.391 | -123.278 | -114.306 | -13.539     | -12.328     | -11.431     |
| 1739    | -1.221    | -135.468 | -122.998 | -113.762 | -13.547     | -12.3       | -11.376     |
| 1740    | -1.711    | -140.118 | -127.673 | -118.455 | -14.012     | -12.767     | -11.845     |
| 1741    | -1.054    | -139.372 | -126.339 | -116.685 | -13.937     | -12.634     | -11.668     |
| 1742    | -2.163    | -140.021 | -128.043 | -119.171 | -14.002     | -12.804     | -11.917     |
| 1743    | -1.534    | -135.751 | -123.569 | -114.545 | -13.575     | -12.357     | -11.455     |
| 1744    | -2.154    | -140.918 | -128.84  | -119.894 | -14.092     | -12.884     | -11.989     |
| 1745    | -3.053    | -156.095 | -143.393 | -133.983 | -15.609     | -14.339     | -13.398     |
| 1746    | -2.926    | -151.612 | -139.234 | -130.066 | -15.161     | -13.923     | -13.007     |
| 1747    | -1.894    | -141.766 | -129.34  | -120.136 | -14.177     | -12.934     | -12.014     |
| 1748    | -0.926    | -136.501 | -123.629 | -114.095 | -13.65      | -12.363     | -11.409     |
| 1749    | -1.782    | -144.505 | -131.689 | -122.196 | -14.45      | -13.169     | -12.22      |
| 1750    | -1.579    | -140.628 | -127.999 | -118.644 | -14.063     | -12.8       | -11.864     |
| 1751    | -1.925    | -145.753 | -132.956 | -123.476 | -14.575     | -13.296     | -12.348     |
| 1752    | -3.23     | -161.647 | -148.562 | -138.87  | -16.165     | -14.856     | -13.887     |
| 1753    | -2.633    | -153.272 | -140.43  | -130.918 | -15.327     | -14.043     | -13.092     |
| 1481    | -1.066    | -139.951 | -126.871 | -117.182 | -13.995     | -12.687     | -11.718     |
| 1754    | -1.163    | -138.072 | -125.281 | -115.806 | -13.807     | -12.528     | -11.581     |
| 1755    | -1.317    | -138.595 | -125.906 | -116.507 | -13.859     | -12.591     | -11.651     |
| 1756    | -1.132    | -138.825 | -125.925 | -116.37  | -13.882     | -12.593     | -11.637     |
| 1757    | -1.233    | -139.127 | -126.3   | -116.798 | -13.913     | -12.63      | -11.68      |
| 1758    | -1.149    | -137.109 | -124.4   | -114.986 | -13.711     | -12.44      | -11.499     |
| 1759    | -1.648    | -136.498 | -124.357 | -115.363 | -13.65      | -12.436     | -11.536     |
| 1760    | -0.599    | -135.643 | -122.527 | -112.812 | -13.564     | -12.253     | -11.281     |
| 1761    | -0.434    | -140.275 | -126.523 | -116.337 | -14.027     | -12.652     | -11.634     |
| 1762    | -0.877    | -134.459 | -121.744 | -112.325 | -13.446     | -12.174     | -11.233     |

## EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1713    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1714    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1715    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1716    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1717    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1718    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1719    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1720    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1721    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1722    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1723    | 0.007         | 408275  | 1            | 53   | -72  | 3634    |
| 1724    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1725    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1726    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1727    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1728    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1729    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1730    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1731    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1732    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1733    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1734    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1735    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1736    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1737    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1738    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1739    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1740    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1741    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1742    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1743    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1744    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1745    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1746    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1747    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1748    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1749    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1750    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1751    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1752    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1753    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1481    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1754    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1755    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1756    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1757    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1758    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1759    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1760    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1761    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1762    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |

EL3634 Gravity

| station | mga_easting | mga_northing | date_ddmmyy | ahd_m   | a94_longitude | la94_latitude | time_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|-------------|
| 1763    | 643662.559  | 6620713.75   | 2/11/2007   | 113.309 | 136.4975902   | -30.5373649   | 8:54:04     |
| 1764    | 643631.287  | 6621651.06   | 2/11/2007   | 112.994 | 136.4971346   | -30.5289134   | 8:56:55     |
| 1765    | 643625.768  | 6622701.05   | 2/11/2007   | 113.647 | 136.4969319   | -30.5194423   | 8:59:10     |
| 1766    | 643622.685  | 6623646.64   | 2/11/2007   | 111.057 | 136.4967691   | -30.5109127   | 9:01:35     |
| 1767    | 642641.77   | 6623671.08   | 2/11/2007   | 117.464 | 136.486546    | -30.5108091   | 9:07:26     |
| 1768    | 642646.692  | 6622676.83   | 2/11/2007   | 116.926 | 136.4867338   | -30.5197775   | 9:10:01     |
| 1769    | 642629.819  | 6621690.81   | 2/11/2007   | 111.709 | 136.4866934   | -30.5286743   | 9:12:45     |
| 1770    | 642634.266  | 6620692.3    | 2/11/2007   | 113.364 | 136.4868769   | -30.5376811   | 9:15:17     |
| 1771    | 642645.243  | 6619661.41   | 2/11/2007   | 112.321 | 136.4871331   | -30.5469793   | 9:18:43     |
| 1772    | 642614.406  | 6618671.5    | 2/11/2007   | 116.195 | 136.4869478   | -30.5559127   | 9:21:43     |
| 1773    | 642633.15   | 6617696.45   | 2/11/2007   | 112.735 | 136.4872773   | -30.5647063   | 9:25:07     |
| 1774    | 641637.446  | 6617666.12   | 2/11/2007   | 106.528 | 136.4769019   | -30.565098    | 9:30:39     |
| 1775    | 641672.07   | 6618672.58   | 2/11/2007   | 108.713 | 136.4771253   | -30.5560148   | 9:45:10     |
| 1776    | 641623.912  | 6619691.56   | 2/11/2007   | 112.434 | 136.4764842   | -30.5468285   | 9:50:40     |
| 1777    | 641598.712  | 6620686.59   | 2/11/2007   | 110.658 | 136.4760857   | -30.5378554   | 9:52:56     |
| 1778    | 641601.433  | 6621630.94   | 2/11/2007   | 110.61  | 136.4759852   | -30.5293362   | 9:57:08     |
| 1779    | 641638.17   | 6622679.23   | 2/11/2007   | 108.446 | 136.4762251   | -30.5198754   | 9:59:28     |
| 1780    | 641592.606  | 6623701.95   | 2/11/2007   | 115.308 | 136.4756109   | -30.5106549   | 10:02:29    |
| 1781    | 640633.267  | 6623635.2    | 2/11/2007   | 116.22  | 136.4656249   | -30.5113699   | 10:04:51    |
| 1782    | 640632.863  | 6622660.25   | 2/11/2007   | 113.855 | 136.4657527   | -30.5201648   | 10:07:05    |
| 1783    | 640634.987  | 6621699.52   | 2/11/2007   | 114.854 | 136.465905    | -30.5288313   | 10:09:42    |
| 1784    | 640601.843  | 6620689.02   | 2/11/2007   | 117.863 | 136.4656965   | -30.5379508   | 10:12:28    |
| 1785    | 640637.819  | 6619656.27   | 2/11/2007   | 119.22  | 136.4662114   | -30.5472629   | 10:14:55    |
| 1786    | 640640.465  | 6618663.08   | 2/11/2007   | 110.139 | 136.4663737   | -30.556222    | 10:17:22    |
| 1787    | 640645.696  | 6617690.91   | 2/11/2007   | 110.169 | 136.4665601   | -30.5649913   | 10:21:31    |
| 1788    | 639617.14   | 6617673.52   | 2/11/2007   | 111.61  | 136.4558403   | -30.5652685   | 10:23:58    |
| 1789    | 639634.861  | 6618684.08   | 2/11/2007   | 119.151 | 136.4558889   | -30.5561502   | 10:26:19    |
| 1790    | 639633.778  | 6619655.71   | 2/11/2007   | 113.744 | 136.4557467   | -30.5473854   | 10:29:02    |
| 1791    | 639650.109  | 6620687.02   | 2/11/2007   | 110.758 | 136.4557781   | -30.5380801   | 10:31:37    |
| 1792    | 639610.669  | 6621703.63   | 2/11/2007   | 120.253 | 136.4552304   | -30.5289139   | 10:34:41    |
| 1793    | 639133.528  | 6622159.34   | 2/11/2007   | 121.132 | 136.4501972   | -30.5248584   | 10:37:02    |
| 1794    | 639682.377  | 6622650.25   | 2/11/2007   | 115.504 | 136.4558503   | -30.5203661   | 10:39:43    |
| 1795    | 639621.651  | 6623663.79   | 2/11/2007   | 111.256 | 136.4550813   | -30.5112301   | 10:44:09    |
| 1796    | 639593.04   | 6624702.33   | 2/11/2007   | 106.286 | 136.4546437   | -30.5018647   | 10:47:58    |
| 1797    | 638656.78   | 6624681.91   | 2/11/2007   | 98.34   | 136.4448927   | -30.5021575   | 10:52:17    |
| 1798    | 638622.777  | 6623674.11   | 2/11/2007   | 104.068 | 136.4446729   | -30.5112527   | 10:59:06    |
| 1799    | 638672.247  | 6622641.48   | 2/11/2007   | 119.197 | 136.4453261   | -30.5205624   | 11:03:24    |
| 1409    | 638165.74   | 6622209.62   | 2/11/2007   | 108.803 | 136.4401058   | -30.5245167   | 11:10:34    |
| 1800    | 638660.044  | 6621675.47   | 2/11/2007   | 118.775 | 136.445328    | -30.5292782   | 11:14:56    |
| 1801    | 638603.005  | 6620657.19   | 2/11/2007   | 116.775 | 136.4448695   | -30.5384707   | 11:17:46    |
| 1802    | 638652.728  | 6619671.5    | 2/11/2007   | 114.83  | 136.4455195   | -30.5473569   | 11:21:00    |
| 1803    | 638629.94   | 6618708.63   | 2/11/2007   | 113.727 | 136.4454107   | -30.5560455   | 11:23:21    |
| 1804    | 637662.154  | 6618679.81   | 2/11/2007   | 123.279 | 136.4353267   | -30.5564171   | 11:26:19    |
| 1805    | 637635.115  | 6619672.7    | 2/11/2007   | 117.704 | 136.434913    | -30.5474633   | 11:30:43    |
| 1806    | 637614.742  | 6620684.08   | 2/11/2007   | 117.873 | 136.4345665   | -30.538342    | 11:33:00    |
| 1807    | 637147.857  | 6621180.35   | 2/11/2007   | 114.943 | 136.4296352   | -30.5339186   | 11:35:56    |
| 1808    | 637633.477  | 6621638.39   | 2/11/2007   | 113.319 | 136.4346352   | -30.529731    | 11:39:29    |
| 1809    | 637632.858  | 6622675.57   | 2/11/2007   | 108.169 | 136.4344913   | -30.5203746   | 11:42:10    |
| 1810    | 637610.839  | 6623678.2    | 2/11/2007   | 106.936 | 136.4341291   | -30.5113324   | 11:44:27    |
| 1811    | 637603.392  | 6624653.14   | 2/11/2007   | 106.861 | 136.4339224   | -30.5025382   | 11:46:33    |
| 1812    | 636625.534  | 6624675.44   | 2/11/2007   | 109.455 | 136.4237322   | -30.5024487   | 11:54:54    |

## EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsrg84_mgals | obsrg84_gu | gt_gu       | fag_gu |
|---------|---------------|-----------|---------------|------------|-------------|--------|
| 1763    | 4099.639      | -0.009    | 979329.719    | 9793297.19 | 9793662.661 | -15.81 |
| 1764    | 4099.854      | -0.009    | 979329.934    | 9793299.34 | 9793655.981 | -7.95  |
| 1765    | 4098.499      | -0.009    | 979328.579    | 9793285.79 | 9793648.496 | -12    |
| 1766    | 4098.257      | -0.009    | 979328.337    | 9793283.37 | 9793641.756 | -15.67 |
| 1767    | 4096.969      | -0.009    | 979327.049    | 9793270.49 | 9793641.674 | -8.7   |
| 1768    | 4097.765      | -0.009    | 979327.845    | 9793278.45 | 9793648.761 | -9.49  |
| 1769    | 4100.072      | -0.009    | 979330.151    | 9793301.51 | 9793655.792 | -9.55  |
| 1770    | 4100.305      | -0.009    | 979330.384    | 9793303.84 | 9793662.911 | -9.24  |
| 1771    | 4101.862      | -0.009    | 979331.941    | 9793319.41 | 9793670.262 | -4.24  |
| 1772    | 4101.607      | -0.01     | 979331.686    | 9793316.86 | 9793677.326 | -1.9   |
| 1773    | 4103.32       | -0.01     | 979333.399    | 9793333.99 | 9793684.28  | -2.4   |
| 1774    | 4105.109      | -0.01     | 979335.188    | 9793351.88 | 9793684.59  | -3.98  |
| 1775    | 4103.626      | -0.011    | 979333.704    | 9793337.04 | 9793677.407 | -4.89  |
| 1776    | 4101.792      | -0.011    | 979331.87     | 9793318.7  | 9793670.143 | -4.48  |
| 1777    | 4100.82       | -0.011    | 979330.897    | 9793308.97 | 9793663.049 | -12.59 |
| 1778    | 4100.336      | -0.011    | 979330.413    | 9793304.13 | 9793656.315 | -10.85 |
| 1779    | 4100.098      | -0.011    | 979330.175    | 9793301.75 | 9793648.838 | -12.43 |
| 1780    | 4097.27       | -0.011    | 979327.347    | 9793273.47 | 9793641.552 | -12.25 |
| 1781    | 4097.142      | -0.011    | 979327.219    | 9793272.19 | 9793642.117 | -11.28 |
| 1782    | 4099.004      | -0.011    | 979329.081    | 9793290.81 | 9793649.067 | -6.91  |
| 1783    | 4099.84       | -0.012    | 979329.917    | 9793299.17 | 9793655.916 | -2.32  |
| 1784    | 4100.076      | -0.012    | 979330.153    | 9793301.53 | 9793663.124 | 2.12   |
| 1785    | 4100.878      | -0.012    | 979330.955    | 9793309.55 | 9793670.486 | 6.96   |
| 1786    | 4103.43       | -0.012    | 979333.506    | 9793335.06 | 9793677.57  | -2.63  |
| 1787    | 4103.988      | -0.012    | 979334.064    | 9793340.64 | 9793684.506 | -3.89  |
| 1788    | 4103.303      | -0.012    | 979333.379    | 9793333.79 | 9793684.725 | -6.51  |
| 1789    | 4101.986      | -0.012    | 979332.062    | 9793320.62 | 9793677.514 | 10.8   |
| 1790    | 4102.163      | -0.012    | 979332.239    | 9793322.39 | 9793670.583 | 2.81   |
| 1791    | 4101.675      | -0.012    | 979331.751    | 9793317.51 | 9793663.227 | -3.93  |
| 1792    | 4098.582      | -0.012    | 979328.658    | 9793286.58 | 9793655.981 | 1.69   |
| 1793    | 4098.065      | -0.012    | 979328.141    | 9793281.41 | 9793652.776 | 2.44   |
| 1794    | 4098.911      | -0.012    | 979328.987    | 9793289.87 | 9793649.226 | -2.92  |
| 1795    | 4098.758      | -0.012    | 979328.834    | 9793288.34 | 9793642.007 | -10.34 |
| 1796    | 4098.037      | -0.013    | 979328.113    | 9793281.13 | 9793634.608 | -25.49 |
| 1797    | 4099.926      | -0.013    | 979330.002    | 9793300.02 | 9793634.839 | -31.35 |
| 1798    | 4100.141      | -0.013    | 979330.217    | 9793302.17 | 9793642.025 | -18.71 |
| 1799    | 4097.9        | -0.013    | 979327.976    | 9793279.76 | 9793649.381 | -1.79  |
| 1409    | 4100.738      | -0.012    | 979330.814    | 9793308.14 | 9793652.506 | -8.61  |
| 1800    | 4098.991      | -0.012    | 979329.067    | 9793290.67 | 9793656.269 | 0.93   |
| 1801    | 4100.209      | -0.012    | 979330.285    | 9793302.85 | 9793663.535 | -0.33  |
| 1802    | 4102.131      | -0.012    | 979332.207    | 9793322.07 | 9793670.561 | 5.86   |
| 1803    | 4102.743      | -0.012    | 979332.819    | 9793328.19 | 9793677.431 | 1.71   |
| 1804    | 4099.933      | -0.012    | 979330.009    | 9793300.09 | 9793677.725 | 2.79   |
| 1805    | 4100.978      | -0.012    | 979331.054    | 9793310.54 | 9793670.645 | 3.12   |
| 1806    | 4100.923      | -0.012    | 979330.999    | 9793309.99 | 9793663.434 | 10.3   |
| 1807    | 4101.137      | -0.012    | 979331.213    | 9793312.13 | 9793659.937 | 6.9    |
| 1808    | 4100.653      | -0.012    | 979330.729    | 9793307.29 | 9793656.627 | 0.36   |
| 1809    | 4100.636      | -0.011    | 979330.713    | 9793307.13 | 9793649.233 | -8.31  |
| 1810    | 4100.272      | -0.011    | 979330.349    | 9793303.49 | 9793642.088 | -8.6   |
| 1811    | 4098.099      | -0.011    | 979328.176    | 9793281.76 | 9793635.14  | -23.62 |
| 1812    | 4098.298      | -0.011    | 979328.375    | 9793283.75 | 9793635.069 | -13.55 |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1763    | -1.581    | -142.549 | -129.727 | -120.23  | -14.255     | -12.973     | -12.023     |
| 1764    | -0.795    | -134.338 | -121.552 | -112.081 | -13.434     | -12.155     | -11.208     |
| 1765    | -1.2      | -139.118 | -126.259 | -116.733 | -13.912     | -12.626     | -11.673     |
| 1766    | -1.567    | -139.894 | -127.327 | -118.018 | -13.989     | -12.733     | -11.802     |
| 1767    | -0.87     | -140.088 | -126.796 | -116.95  | -14.009     | -12.68      | -11.695     |
| 1768    | -0.949    | -140.273 | -127.042 | -117.241 | -14.027     | -12.704     | -11.724     |
| 1769    | -0.955    | -134.507 | -121.866 | -112.503 | -13.451     | -12.187     | -11.25      |
| 1770    | -0.924    | -136.041 | -123.213 | -113.711 | -13.604     | -12.321     | -11.371     |
| 1771    | -0.424    | -129.873 | -117.164 | -107.749 | -12.987     | -11.716     | -10.775     |
| 1772    | -0.19     | -131.866 | -118.718 | -108.979 | -13.187     | -11.872     | -10.898     |
| 1773    | -0.24     | -128.497 | -115.741 | -106.291 | -12.85      | -11.574     | -10.629     |
| 1774    | -0.398    | -123.128 | -111.073 | -102.144 | -12.313     | -11.107     | -10.214     |
| 1775    | -0.489    | -126.486 | -114.184 | -105.072 | -12.649     | -11.418     | -10.507     |
| 1776    | -0.448    | -130.242 | -117.519 | -108.095 | -13.024     | -11.752     | -10.809     |
| 1777    | -1.259    | -136.372 | -123.85  | -114.575 | -13.637     | -12.385     | -11.457     |
| 1778    | -1.085    | -134.572 | -122.056 | -112.785 | -13.457     | -12.206     | -11.278     |
| 1779    | -1.243    | -133.732 | -121.461 | -112.371 | -13.373     | -12.146     | -11.237     |
| 1780    | -1.225    | -141.227 | -128.18  | -118.514 | -14.123     | -12.818     | -11.851     |
| 1781    | -1.128    | -141.278 | -128.127 | -118.386 | -14.128     | -12.813     | -11.839     |
| 1782    | -0.691    | -134.26  | -121.377 | -111.833 | -13.426     | -12.138     | -11.183     |
| 1783    | -0.232    | -130.784 | -117.788 | -108.161 | -13.078     | -11.779     | -10.816     |
| 1784    | 0.212     | -129.713 | -116.376 | -106.497 | -12.971     | -11.638     | -10.65      |
| 1785    | 0.696     | -126.386 | -112.895 | -102.902 | -12.639     | -11.29      | -10.29      |
| 1786    | -0.263    | -125.824 | -113.361 | -104.13  | -12.582     | -11.336     | -10.413     |
| 1787    | -0.389    | -127.121 | -114.654 | -105.42  | -12.712     | -11.465     | -10.542     |
| 1788    | -0.651    | -131.355 | -118.726 | -109.371 | -13.136     | -11.873     | -10.937     |
| 1789    | 1.08      | -122.479 | -108.996 | -99.009  | -12.248     | -10.9       | -9.901      |
| 1790    | 0.281     | -124.415 | -111.544 | -102.01  | -12.442     | -11.154     | -10.201     |
| 1791    | -0.393    | -127.813 | -115.28  | -105.996 | -12.781     | -11.528     | -10.6       |
| 1792    | 0.169     | -132.819 | -119.211 | -109.131 | -13.282     | -11.921     | -10.913     |
| 1793    | 0.244     | -133.054 | -119.347 | -109.194 | -13.305     | -11.935     | -10.919     |
| 1794    | -0.292    | -132.115 | -119.045 | -109.364 | -13.212     | -11.905     | -10.936     |
| 1795    | -1.034    | -134.783 | -122.194 | -112.868 | -13.478     | -12.219     | -11.287     |
| 1796    | -2.549    | -144.371 | -132.344 | -123.435 | -14.437     | -13.234     | -12.344     |
| 1797    | -3.135    | -141.344 | -130.216 | -121.974 | -14.134     | -13.022     | -12.197     |
| 1798    | -1.871    | -135.112 | -123.335 | -114.612 | -13.511     | -12.334     | -11.461     |
| 1799    | -0.179    | -135.116 | -121.628 | -111.637 | -13.512     | -12.163     | -11.164     |
| 1409    | -0.861    | -130.308 | -117.996 | -108.876 | -13.031     | -11.8       | -10.888     |
| 1800    | 0.093     | -131.924 | -118.484 | -108.528 | -13.192     | -11.848     | -10.853     |
| 1801    | -0.033    | -130.945 | -117.731 | -107.943 | -13.094     | -11.773     | -10.794     |
| 1802    | 0.586     | -122.576 | -109.582 | -99.957  | -12.258     | -10.958     | -9.996      |
| 1803    | 0.171     | -125.496 | -112.627 | -103.095 | -12.55      | -11.263     | -10.309     |
| 1804    | 0.279     | -135.1   | -121.15  | -110.816 | -13.51      | -12.115     | -11.082     |
| 1805    | 0.312     | -128.537 | -115.218 | -105.352 | -12.854     | -11.522     | -10.535     |
| 1806    | 1.03      | -121.543 | -108.205 | -98.325  | -12.154     | -10.82      | -9.832      |
| 1807    | 0.69      | -121.67  | -108.664 | -99.029  | -12.167     | -10.866     | -9.903      |
| 1808    | 0.036     | -126.395 | -113.572 | -104.074 | -12.639     | -11.357     | -10.407     |
| 1809    | -0.831    | -129.292 | -117.052 | -107.985 | -12.929     | -11.705     | -10.798     |
| 1810    | -0.86     | -128.212 | -116.112 | -107.148 | -12.821     | -11.611     | -10.715     |
| 1811    | -2.362    | -143.142 | -131.05  | -122.093 | -14.314     | -13.105     | -12.209     |
| 1812    | -1.355    | -135.978 | -123.593 | -114.418 | -13.598     | -12.359     | -11.442     |

## EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1763    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1764    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1765    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1766    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1767    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1768    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1769    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1770    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1771    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1772    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1773    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1774    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1775    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1776    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1777    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1778    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1779    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1780    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1781    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1782    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1783    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1784    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1785    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1786    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1787    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1788    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1789    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1790    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1791    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1792    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1793    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1794    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1795    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1796    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1797    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1798    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1799    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1409    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1800    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1801    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1802    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1803    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1804    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1805    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1806    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1807    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1808    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1809    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1810    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1811    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1812    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |

# EL3634 Gravity

| station | mga_easting | mga_northing | date_ddmmyy | ahd_m   | a94_longitude | la94_latitude | time_hhmmss |
|---------|-------------|--------------|-------------|---------|---------------|---------------|-------------|
| 1813    | 636624.419  | 6623647.28   | 2/11/2007   | 106.582 | 136.4238557   | -30.511724    | 11:58:28    |
| 1814    | 636582.253  | 6622642.77   | 2/11/2007   | 110.256 | 136.4235485   | -30.5207906   | 12:00:47    |
| 1815    | 636657.885  | 6621664.51   | 2/11/2007   | 115.552 | 136.4244653   | -30.5296069   | 12:04:11    |
| 1816    | 636644.31   | 6620664.61   | 2/11/2007   | 117.026 | 136.4244555   | -30.5386286   | 12:07:43    |
| 1817    | 635629.934  | 6620675.74   | 2/11/2007   | 110.261 | 136.4138823   | -30.5386434   | 12:10:14    |
| 1818    | 635631.425  | 6621656.52   | 2/11/2007   | 109.349 | 136.4137697   | -30.5297956   | 12:12:40    |
| 1819    | 635629.718  | 6622679.58   | 2/11/2007   | 113.485 | 136.4136183   | -30.5205666   | 12:15:04    |
| 1820    | 635614.968  | 6623694.64   | 2/11/2007   | 113.388 | 136.4133321   | -30.5114112   | 12:17:19    |
| 1821    | 635622.578  | 6624658.61   | 2/11/2007   | 114.029 | 136.4132856   | -30.5027143   | 12:19:32    |

EL3634 Gravity

| station | lialrdng_mgal | etc_mgals | obsg84_mgals | obsg84_gu  | gt_gu       | fag_gu |
|---------|---------------|-----------|--------------|------------|-------------|--------|
| 1813    | 4100.208      | -0.01     | 979330.286   | 9793302.86 | 9793642.397 | -10.64 |
| 1814    | 4100.809      | -0.01     | 979330.887   | 9793308.87 | 9793649.561 | -0.45  |
| 1815    | 4100.563      | -0.01     | 979330.641   | 9793306.41 | 9793656.529 | 6.47   |
| 1816    | 4100.695      | -0.009    | 979330.773   | 9793307.73 | 9793663.66  | 5.21   |
| 1817    | 4101.732      | -0.009    | 979331.811   | 9793318.11 | 9793663.672 | -5.31  |
| 1818    | 4101.389      | -0.009    | 979331.468   | 9793314.68 | 9793656.678 | -4.56  |
| 1819    | 4099.748      | -0.009    | 979329.827   | 9793298.27 | 9793649.384 | -0.91  |
| 1820    | 4098.77       | -0.008    | 979328.849   | 9793288.49 | 9793642.15  | -3.75  |
| 1821    | 4096.983      | -0.008    | 979327.063   | 9793270.63 | 9793635.279 | -12.77 |

EL3634 Gravity

| station | fag_mgals | bg267_gu | bg240_gu | bg220_gu | bg267_mgals | bg240_mgals | bg220_mgals |
|---------|-----------|----------|----------|----------|-------------|-------------|-------------|
| 1813    | -1.064    | -129.848 | -117.788 | -108.854 | -12.985     | -11.779     | -10.885     |
| 1814    | -0.045    | -123.775 | -111.299 | -102.057 | -12.377     | -11.13      | -10.206     |
| 1815    | 0.647     | -122.784 | -109.709 | -100.023 | -12.278     | -10.971     | -10.002     |
| 1816    | 0.521     | -125.696 | -112.453 | -102.644 | -12.57      | -11.245     | -10.264     |
| 1817    | -0.531    | -128.636 | -116.159 | -106.917 | -12.864     | -11.616     | -10.692     |
| 1818    | -0.456    | -126.866 | -114.492 | -105.327 | -12.687     | -11.449     | -10.533     |
| 1819    | -0.091    | -127.846 | -115.004 | -105.492 | -12.785     | -11.5       | -10.549     |
| 1820    | -0.375    | -130.582 | -117.751 | -108.247 | -13.058     | -11.775     | -10.825     |
| 1821    | -1.277    | -140.31  | -127.407 | -117.849 | -14.031     | -12.741     | -11.785     |

# EL3634 Gravity

| station | closure_mgals | metersn | scale_factor | zone | base | Licence |
|---------|---------------|---------|--------------|------|------|---------|
| 1813    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1814    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1815    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1816    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1817    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1818    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1819    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1820    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |
| 1821    | 0.002         | 408275  | 1            | 53   | -72  | 3634    |

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**WCP RESOURCES  
PARAKYLIA STATION  
HELICOPTER BORNE  
GRAVITY SURVEY**

**PROJECTS 07054**

**October 2007**

Report Number 07054  
A. McCarthy



**CLIENT**

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## 1. INTRODUCTION

A precision GPS-Gravity survey was carried out on behalf of WCP Resources from the 26th of October to the 3<sup>rd</sup> of November 2007. A total of 787 new gravity stations were surveyed across Parakylia Station within the Woomera Prohibited Area of South Australia.

Gravity data were acquired using a Scintrex CG-3 automated gravity meter. Position and level data were obtained using Leica 1230GG geodetic grade GPS receivers collecting GPS and GLONASS positional information. All receivers were operating in post-processed kinematic mode. Data was acquired using Daishsat helicopter-borne survey methods.

Gravity data were reduced using standard reductions on the ISOGAL84 gravity network. GPS data were reduced to MGA coordinates with levels expressed as metres above the Australian Height Datum.



Photo 1: Typical terrain in the survey area.

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## 2. SURVEY OVERVIEW

An initial larger scale gravity survey covering an area of approximately 62 000 hectares within the Woomera Prohibited Area of South Australia was undertaken by Daishsat on behalf of WCP Recourses. This larger scale survey identified a further area of interest requiring the collection of 195 additional stations within the initial grid.

The location of the survey is shown in Figure 1.

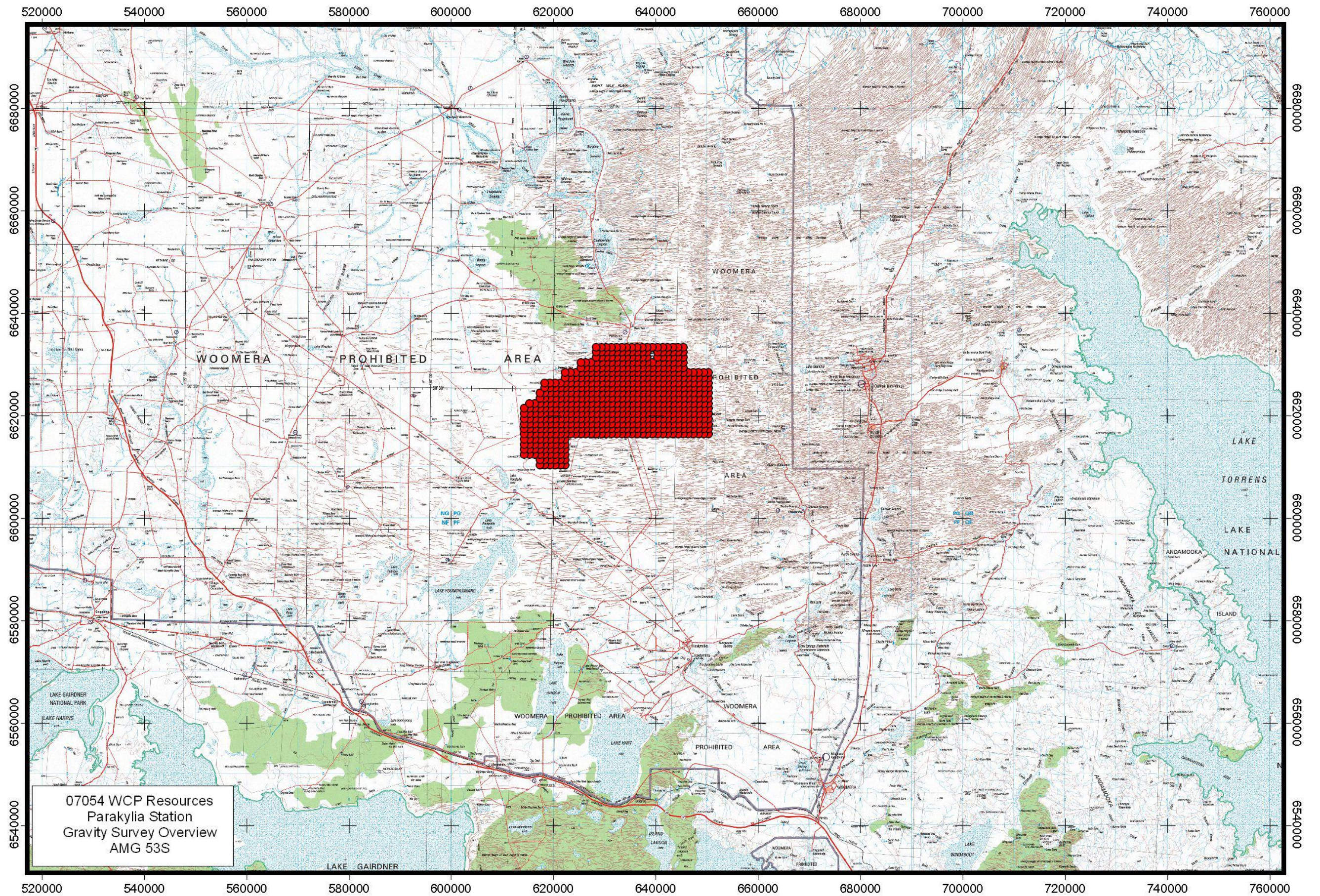
The terrain encountered across the survey areas was somewhat varied ranging from areas of dense scrubby vegetation through to flat open grazing country with occasional east west sand dunes increasing in frequency to the east of the survey area.

Gravity surveying was conducted on 1km station spacing's with the 195 infill stations staggered by 500m south and east of the initial survey station locations.

Appendix C contains the specifications for the survey.



Photo 2: Typical terrain in the survey area.



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### **3. PERSONNEL AND EQUIPMENT**

#### **3.1 Personnel**

The supervisor in charge of the project was Andrew McCarthy. Andrew was responsible for daily management of the job and for nightly data processing to ensure quality and integrity. Gravity and GPS measurements were carried out by:

Andrew McCarthy  
Mark Rosewall  
Matt Hunter

The Helicopter pilots used for this project were:

Joanna Murphy  
Andrew Catt

Final data reduction, inspection and reporting were performed by the company Geophysicist, Grant Coopes.

#### **3.2 Survey equipment**

The following survey equipment was utilised on the gravity survey:

- Scintrex CG-3 digital gravity metres (G and S meters)
- Leica 1230 dual frequency GPS receivers with GLONASS capability
- Notebook computers for data processing and backup
- Garmin 296 GPS receivers for helicopter navigation
- Garmin Handheld GPS receivers for vehicle navigation
- Various chargers, solar cells and batteries

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### 3.3 Vehicles

Due to the type of terrain and remote locations, 4WD Landcruisers and 4WD Isuzu Trucks were utilized as support vehicles for the surveys. To maintain the high Daishsat safety record, vehicles were fitted with a range of safety equipment including:

- One 20l jerry can of water
- Dual fuel tanks
- Two spare tyres
- UHF radio and satellite phone with car kit
- Self-recovery equipment including winches, snatch straps chains etc.
- Tyre pliers to effect tyre repairs in the field
- Tools and spares to enable field repairs as necessary
- Survival kits with EPIRB emergency locator beacons
- Trans track satellite vehicle monitoring and reporting systems

### 3.4 Helicopters

Due to the scale, remote location and limited access to the survey areas the most efficient method of transport between stations is by helicopter.

Daishsat utilizes Robinson R-44 Helicopters, a medium size utility helicopter with good maneuverability and proven reliability in harsh operating conditions typical of gravity survey operations.



Photo 3: Robinson R-44 Helicopter VH-HEM and gravity acquisition.

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### 3.5 Accommodation

The crews were accommodated as close as practical to the survey area with accommodation provided at Parakylia Station and meals supplied by ETSA at a construction camp to the north of Parakylia Station.

### 3.6 Communications

The survey crew and support vehicles were equipped with hand-held Iridium satellite phones as well as UHF and VHF transceivers. "Omnitrack" satellite based tracking was used on all vehicles, Helicopters and Aircraft to enable asset monitoring via a web interface.

Scheduled communications were made by the crew to the communications centre at the base camp at hourly intervals. Communication with the Perth and Murray Bridge offices was ongoing for the duration of the job.



Photo 4: Parakylia Station Accommodation

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## 4. GPS SURVEYING AND PROCESSING

### 4.1 Set out of the grid

This was done concurrently with the gravity data acquisition using navigation grade receivers operating in autonomous mode. Where possible, the readings were taken as close to the ideal coordinates as possible. As the receivers were operating in autonomous mode, set out accuracy was usually better than 10m.

Raw kinematic GPS data were logged by a twin dual-frequency Leica 1230GG receivers inside the helicopter cabin, with the GPS antennas mounted on the tail boom. Static GPS data were logged at the base station using two Leica System 1230GG GPS receivers for later post-processing. The Leica 1230GG is a new generation GPS receiver making use of both the traditional US GPS satellite constellation and the newly available GLONASS satellite constellations for higher positional accuracy and reduced periods of poor satellite coverage.

Repeat stations were placed throughout the surveys to monitor any variations in positional accuracy. Repeats are placed with a washer tied with flagging and marked with the station number was used for future identification. At each station, the station number, position and RL were recorded digitally by the crew.

### 4.2 Survey datum and control

The gravity surveying, and hence any gravity reductions, used the Australian Height Datum (AHD) as the reference datum. New GPS/Gravity base stations were established at each of the three bases using three days worth of static data and connections to ITRF stations using Geoscience Australia's online GPS processing system, AUSPOS. For more information on this system, please visit the Geoscience Australia website at <http://www.ga.gov.au/geodesy/sgc/wwwgps/>. Final deviations of better than 5mm were obtained for x, y and z, for all occupations. Appendix D contains the GPS base station information.

### 4.3 Processing of the position and level data

The raw GPS data were recorded onto the CF memory cards of the GPS receivers. The data were downloaded nightly onto laptop computer for post processing using Waypoint Grafnav v7.80.

Waypoint combines the processing components, GrafNav and GrafNet, in a complete package.

GrafNav processes data for one baseline (e.g. one base and one remote). GrafNav is normally used for kinematic data which it is extremely well suited for. It can also

---

process single static baselines. Receiver types can be mixed and matched via the use of a common format. This component of Waypoint was used for processing the kinematic data acquired each day.

GrafNav and GrafNet share the same processing engine that has been under continuous development since its original inception by Waypoint in 1992. The core of this robust engine is its carrier phase kinematic (CPK) Kalman filter. Some of the major advantages of Waypoint's kernel are:

*Fast processing* - The GrafNav kernel is one of the fastest on the market. It will process ~0.8 epochs per MHz per second on a Pentium II.

*Robust Kalman filter* - From experience with processing GPS data from fast jets and NASA sounding rockets, the processing kernel has become extremely robust. Efforts have been made to account for all of the various data error possibilities given the different types of GPS receivers that GrafNav/GrafNet can handle.

*Reliable OTF* - Waypoint's on-the-fly (OTF) algorithm, called Kinematic Ambiguity Resolution (KAR), has had years of development and stresses reliability. Variations are implemented for both single and dual frequencies, and numerous options are available to control this powerful feature

*Accurate Static Processing* - Three modes of static processing are implemented in the processing kernel. Fixed static is the most accurate. A quick static solution is also available as an alternative, while the float and iono-free float solution is useful for long baselines.

*Dual Frequency* - Full dual frequency support comes with GrafNav/GrafNet. For ambiguity resolution, this entails wide/narrow lane solutions for KAR, fixed static and quick static. Ionospheric processing is very important with the peak of the ionosphere's cycle occurring in 2000. The GrafNav kernel implements two ionospheric processing modes including the iono-free and relative models. The relative model is especially useful for airborne applications where initialization is near the base station, and this method is much less susceptible to L2 phase cycle slips.

*Forward and Reverse* - Processing can be performed in both the forward and reverse directions. Both GrafNav and GrafNet also have the ability to combine these two solutions to obtain a globally optimum one.

*Velocity Determination* - Since the GrafNav kernel includes the L1 Doppler measurement in its Kalman filter, velocity determination is very accurate. In addition to this, a considerable amount of code has been added specifically for the detection and removal of Doppler errors.

*Long Baseline* - Because precise ephemeris and dual frequency processing is supported, long baselines accuracies can be as good as 0.1 PPM.

For more information about Waypoint processing software, and in particular, Grafnav, please visit the Waypoint [http://www.waypnt.com/grafnav\\_d.html](http://www.waypnt.com/grafnav_d.html).

Simple transformations to MGA and AHD were done using the GPS derived WGS84 positions.

MGA94 coordinates were obtained by simply projecting the GPS-derived WGS84 coordinates using a UTM projection with zone 53S. For all practicable purposes, the

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WGS84 geodetic coordinates are equivalent to GDA94 geodetic coordinates, so no transformation is necessary. For more information about GDA94 and MGA94, please visit <http://www.ga.gov.au/geodesy/datums/gda.jsp>.

AHD heights were calculated via Waypoint software using the latest geoid model for Australia, AUSGEOID98. Information about the geoid and the modeling process used to extract separations (N values) can be found at <http://www.ga.gov.au/geodesy/ausgeoid/>. To obtain AHD heights, the modeled N value is subtracted from the GPS derived WGS84 ellipsoidal height (Figure 2).

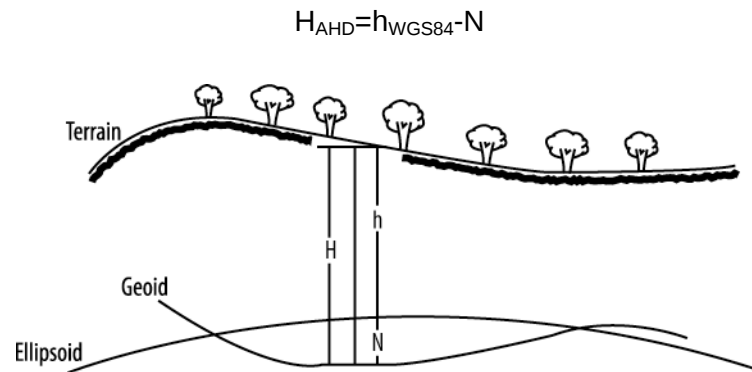


Figure 2: Geoid-Ellipsoid separation

#### 4.4 GPS Performance

Performance from the 1230GG receivers was excellent. There were no stations that required repeating due to GPS failure or poor coordinate quality.

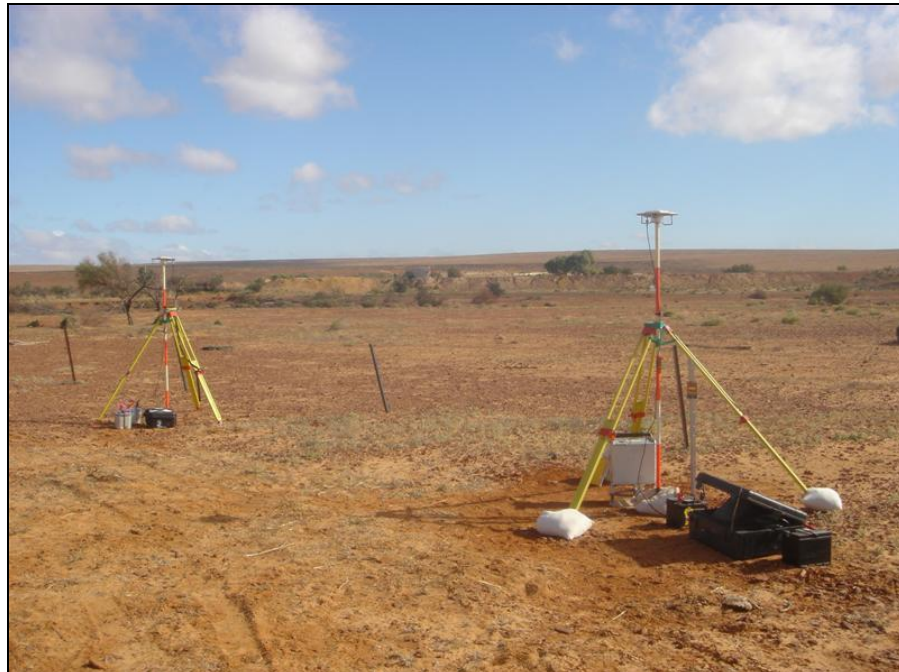


Photo 4: Post process GPS base setup with CG-3 gravimeter.

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## 5. GRAVITY SURVEYING AND PROCESSING

### 5.1 Gravity data acquisition

Gravity observations were made concurrently with the GPS measurements. Two observations were made for each station, with each observation consisting of a 20-second or greater stacking time. Multiple observations were made at each station so that any seismic or instrumental noise could be immediately detected. The tolerance between readings was set at 0.05 of a dial reading (0.05 mGals). Vertical and horizontal levels were restricted to 5 arc seconds at all times. At each station, the station number, time and two gravity readings (in dial units) were recorded in DAISHSAT carbon-copy gravity field books. The Scintrex meters also automatically record the station, time and readings digitally to allow for downloading to computer.

### 5.2 Gravity base station

A gravity base station was used for calculation of absolute gravity and drift determination. Details of the gravity bases are contained in Appendix D. When in the field, a base station reading was taken in the morning before observing and at evening after the last observation. When taking a base station reading, the observed gravity values were stacked over 60 seconds to ensure accuracy. Observations were repeated until the readings repeated to 0.010 of a dial reading or less.

The gravity base station utilized for this survey was established at Parakylia Station by the Daishsat crew prior to commencement of this survey. The Gravity was established through multiple loops to the AFGN station at Woomera Airport.

### 5.4 Gravity data processing

Raw gravity data were processed on a daily basis to check for quality and integrity. This interim process produced a set of Bouguer Anomaly values which were contoured and imaged to provide a check for any anomalous readings that would need repeating. Geosoft GRAVRED software was used for the gravity reduction in the field. Other software used on this project includes Arcview, ChrisDBF, RasterTC, Waypoint and ERMapper. The formulae used for final processing are listed below:

**Instrument scale factor:** This correction was used to correct a gravity reading (in dial units) to a relative gravity unit value based on the meter calibration.

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**Tidal correction:** This correction was used to correct for background variations due to changes in the relative position of the moon and sun. The Scintrex calculated ETC was removed and a new ETC calculated using Geosoft Formulae and the surveyed GPS latitude. The formulae used are too complex to list here.

**Instrument Drift:** Since gravity meters are mechanical, they are prone to drift (extension of the spring with heat, obeying Hooke's law). If two base readings are taken one can assume that the drift between the two readings is linear and can therefore be calculated. The drift and tidal corrected value is referred to as the *observed gravity*.

**Normal Gravity:** The theoretical value of gravity was calculated using the 1967 variant of the International Gravity Formula and used to latitude correct the observed gravity.

$$G_n = 9,780,318.456 * (1 + 0.005278895 * \sin^2 \phi + 0.000023462 * \sin^4 \phi)$$

where  $\phi$  represents degrees of latitude;

**Free-Air Correction:** Since gravity varies inversely with the square of distance, it is necessary to correct for changes in elevation between stations to reduce field readings to a datum surface (in this case, AHD).

$$(3.08768 - 0.00440 \sin^2 \phi) * h - 0.000001442 * h^2 \text{ } \mu\text{ms}^{-2} \text{ per metre}$$

**Bouguer Correction:** This correction accounts for the attraction of material between the station and datum plane that is ignored in the free-air calculation. A value of  $2.67 \text{ t m}^{-3}$  was used in the correction.

$$0.4191 * \rho \text{ } \mu\text{ms}^{-2} \text{ per metre}$$

where  $\rho$  = density  $2.67 \text{ t m}^{-3}$

**Free Air Anomaly:** This is obtained by applying the free air correction (FAC) to the observed gravity reading.

$$FAA = G_{OBSG84} - G_n + FAC$$

**Bouguer Anomaly:** This is obtained when all the preceding reductions or corrections have been applied to the observed gravity reading.

$$BA_{267} = G_{OBSG84} - G_n + FAC - BC$$

## 5.4 Gravity meter calibration and scale factors

The gravity meter used had previously been calibrated over a number of calibration ranges in WA and SA. A derived scale factor from these calibrations is shown below:

|            |                    |              |                |
|------------|--------------------|--------------|----------------|
| Serial No. | (S) <b>9711410</b> | Scale Factor | <b>1.00000</b> |
|------------|--------------------|--------------|----------------|

---

## 6. RESULTS

Raw and processed GPS and gravity data are contained on CDROM as Appendix E. Hardcopy plots of station location and coloured images are contained in Appendix A.

### 6.1 Stations Surveyed and Survey Progress

In total, 880 new stations were acquired during the survey. Of these 787 stations 51 were revisited to ensure data integrity across the survey.

A brief production summary for the survey is shown in Table 1 below.

Generally, production was excellent with the crew averaging over 100 stations per day. Due to CASA regulations restricting duty hours for pilots, some time was lost from direct production although the crews used this downtime to conduct helicopter and equipment maintenance and review the acquired data.

Hot conditions typical of early summer in the north of South Australia caused the crew some concern with temperatures in the mid 40's adversely affecting the performance of both crew members and helicopters.

Production was slowed in some areas where dense vegetation made it difficult to land. In some instances where it was thought to be confined and therefore unsafe to land stations were moved from the proposed locations.

There was no downtime due to geophysical or GPS equipment failure.

| <b>Oak Dam Gravity Survey 2007</b>            |            |           |
|-----------------------------------------------|------------|-----------|
| Gravity stations acquired (including repeats) | <b>838</b> | stations  |
| Gravity station repeats                       | <b>51</b>  | 6.5%      |
| New gravity stations acquired                 | <b>787</b> | stations  |
| Total accidents                               | <b>0</b>   | accidents |
| Total hours lost from accidents               | <b>0</b>   | hours     |

*Table 1: Gravity Production Summary*

### 6.2 Data Repeatability

Analysis of the repeat data shows that measurement repeatability is very good for both GPS and gravity observations. Appendix B contains histograms and summary statistics from the analysis. Based on the repeat data, one can assume the following typical accuracies for the observables:

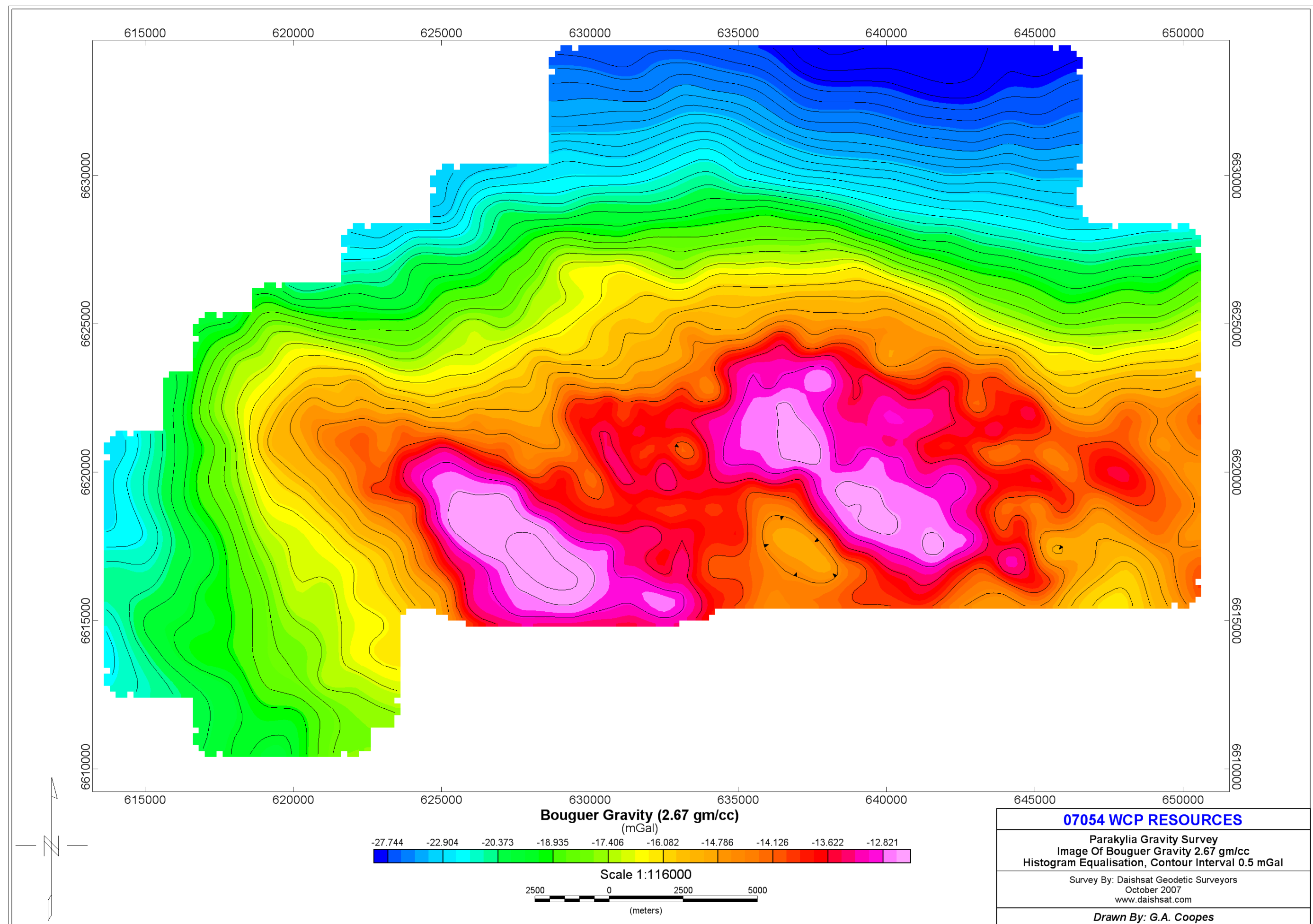
Z position observation : < 0.075 m  
Gravity observation : < 0.037mGals

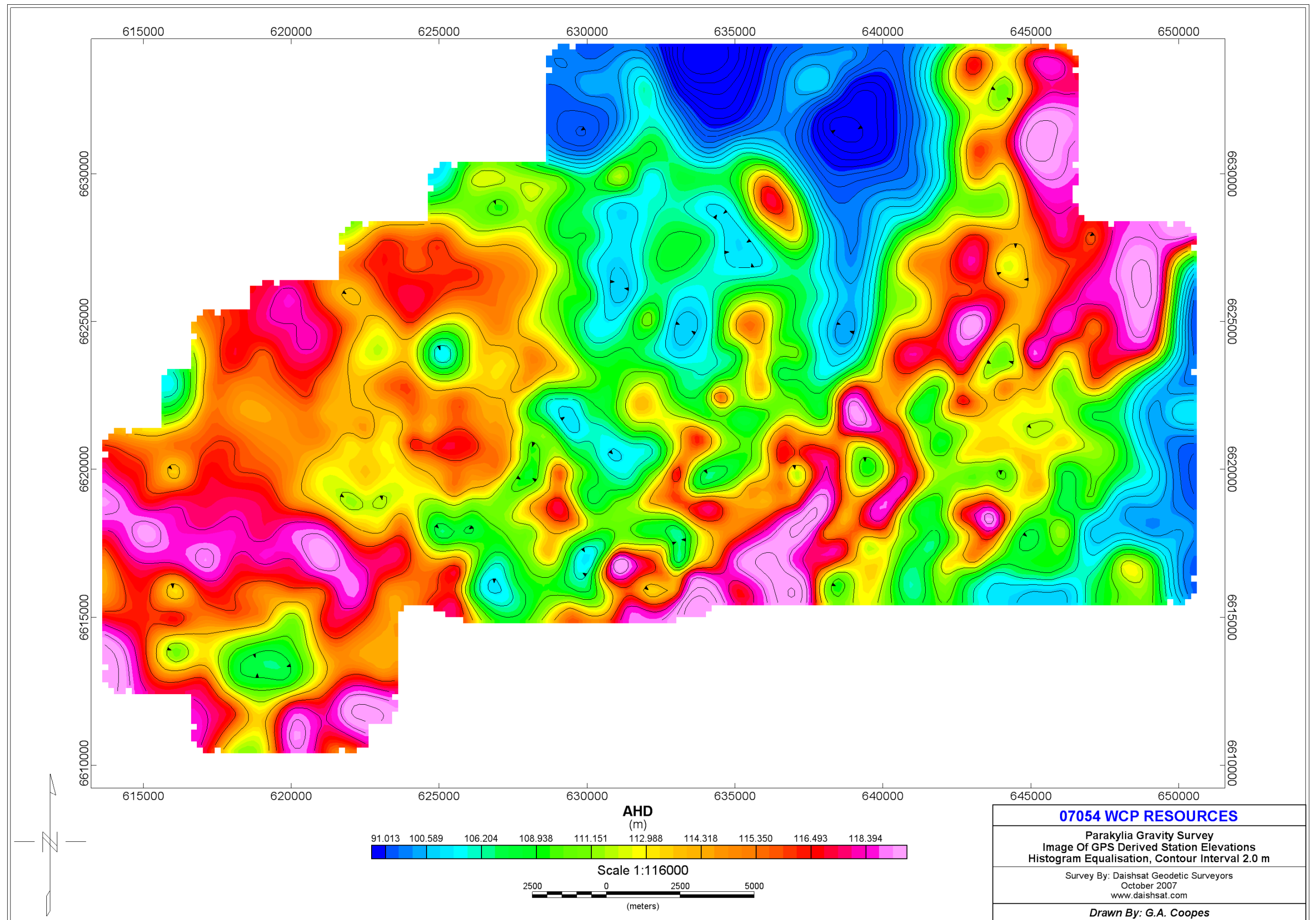
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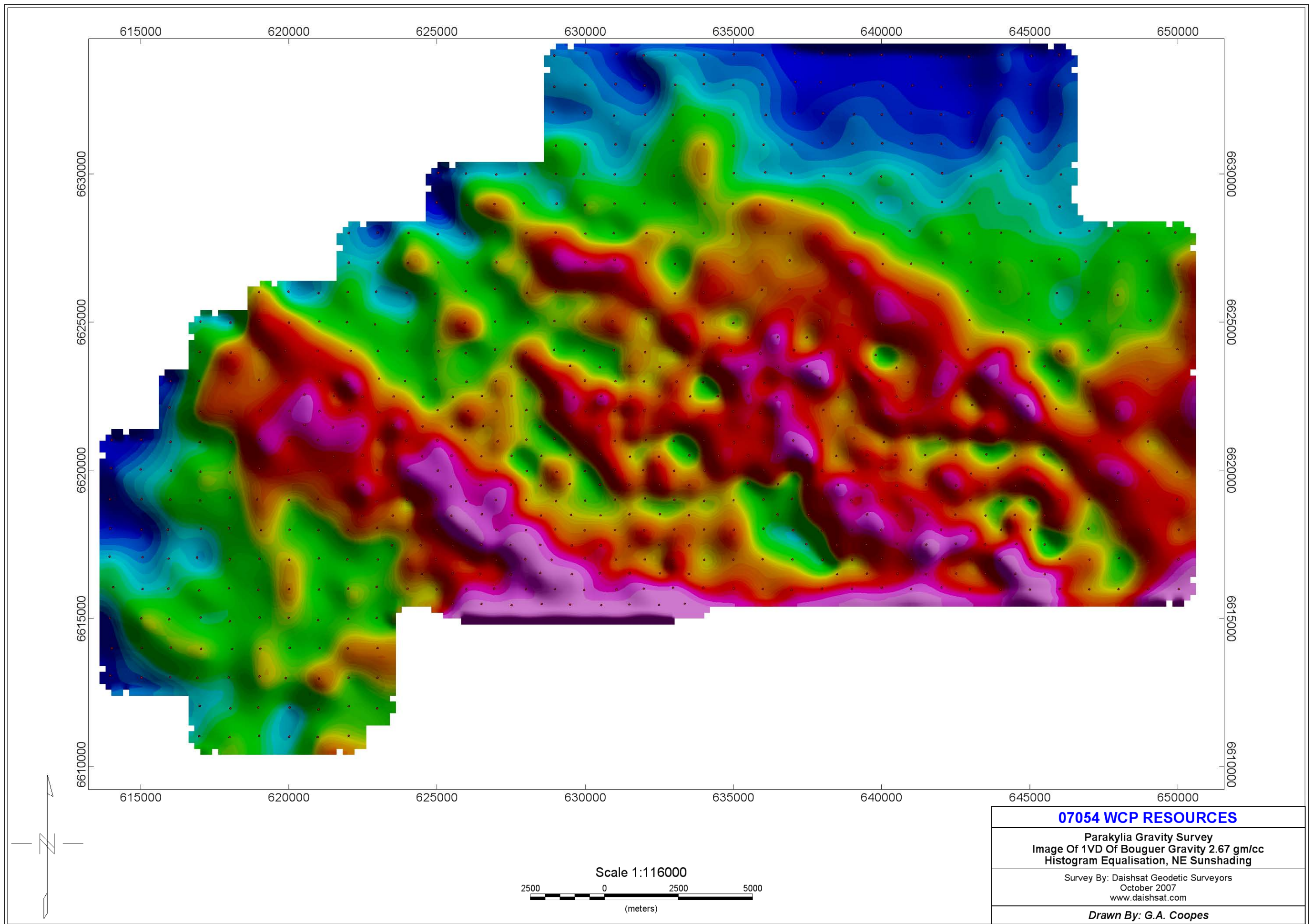
## APPENDIX A

### Plots of station location / Images







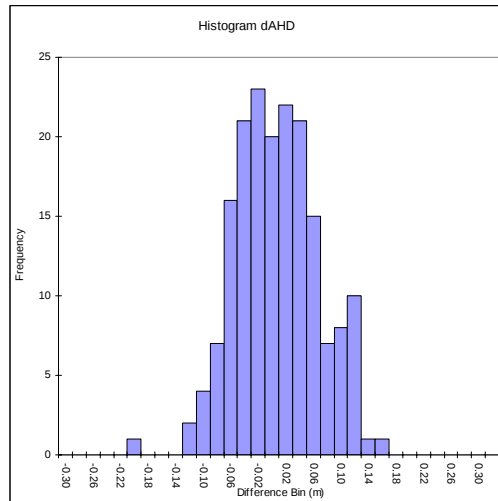


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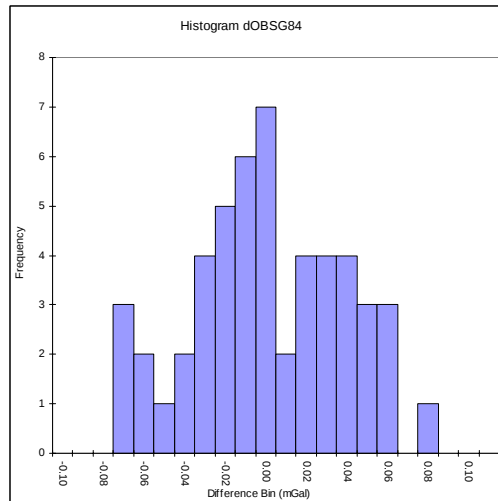
## **APPENDIX B**

### Repeat Tabulation and Analysis

## Histogram dAHD



## Histogram dOBSG84



## Summary Statistics

| Summary Table      | dAHD   | dOBSG  |
|--------------------|--------|--------|
| Mean               | 0.000  | -0.003 |
| Standard Error     | 0.010  | 0.005  |
| Median             | 0.002  | -0.007 |
| Mode               | 0.020  | -0.032 |
| Standard Deviation | 0.075  | 0.037  |
| Sample Variance    | 0.006  | 0.001  |
| Kurtosis           | 1.175  | -0.582 |
| Skewness           | -0.138 | -0.003 |
| Range              | 0.408  | 0.155  |
| Minimum            | -0.207 | -0.078 |
| Maximum            | 0.201  | 0.077  |
| Sum                | 0.007  | -0.174 |
| Count              | 51     | 51     |

---

## APPENDIX C

### Survey Specifications

#### Mt Ive Gravity Survey

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| <b>Client</b>                    | WCP resources                                 |
| <b>Survey Name</b>               | Parakylia Station                             |
| <b>Operators</b>                 | AM, MR, MH, - Pilots JM, AC                   |
| <b>Techniques Employed</b>       | GPS, Gravity                                  |
| <b>Station Spacing</b>           | 1.0km                                         |
| <b>Line Spacing</b>              | 1.0km                                         |
| <b>Gravity Meter</b>             | Scintrex CG-3M (G-meter) 408278               |
| <b>GPS</b>                       | Leica 1230GG Base & Rovers                    |
| <b>Number of Points Surveyed</b> | 838                                           |
| <b>Gravity Base</b>              | Daishsat Base 0372                            |
| <b>Date of Survey</b>            | 26 <sup>th</sup> October to 3rd November 2007 |

---

**APPENDIX D**  
Base Station Information

## **GPS Gravity Base 0372 Parakylia Station**

| <b>MGA94</b>            |               | <b>GDA94</b>                                                                                                                                                                                                                                                                                                                                                                                                            |                                |
|-------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| EASTING (m)             | 633 738.840   | LATITUDE (DMS)                                                                                                                                                                                                                                                                                                                                                                                                          | 30 <sup>0</sup> 24' 15.0493" S |
| NORTHING (m)            | 6 635 604.355 | LONGITUDE (DMS)                                                                                                                                                                                                                                                                                                                                                                                                         | 136 <sup>0</sup> 23' 32.1209"E |
| ZONE (UTM)              | 53            | GDAHT (m)                                                                                                                                                                                                                                                                                                                                                                                                               | 85.575                         |
| HEIGHT (AHD, m)         | 89.200        | N (AUSGEOID98, m)                                                                                                                                                                                                                                                                                                                                                                                                       | 3.625                          |
| <b>OBSERVED GRAVITY</b> |               | <b>SURVEYED BY</b>                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| 979310.541mGals         |               | <p>GPS - Daishsat using a multiple static sessions and the AUSPOS online GPS Processing system. Expected accuracy of station coordinates better than 0.005m.</p> <p>Gravity – Daishsat using one SINTREX CG3 Gravity Meter conducting three B-A-B loops to the AFGN station located at the Civilian Airport Terminal Building at Woomera Airport. The Expected accuracy of the Gravity ties better than 0.01 mGals.</p> |                                |

### **MISCELLANEOUS DETAILS**

Daishsat base 0372 is located to the south west of Dutch Cottage, which can be found to the south of the main Parakylia Homestead. The base is 40 meters west of Dutch Cottage in a line halfway between the Cottage and Bomb shelter car shed atop a slight rise near the clothesline.

This station consists of a small star picket protruding 5cm out of the ground, and is witnessed by a larger star picket positioned 30cm to the right. A circular concrete slab located beside the star pickets is the gravity base.

Parakylia Station and base 372 are accessed from the Woomera to Roxby Downs road, Turning west approximately 40km north of Woomera and following the signs to Parakylia Homestead a distance of 80km from the turnoff. Dutch Cottage is the most southerly house at Parakylia. Permission to access Parakylia can be obtained from David Michael (08) 8672 8940



*Photo of Daishsat Base 0372 showing distinguishing features*

---

## APPENDIX E

Data CD  
(Attached To Back Cover)

# **WCP Resources Ltd**

ACN 002 664 495

## **Annual Technical Report**

**Lake Torrens Project**

**Parakyliya Area**

**for**

**Exploration Licence**

**3634**

**For the Period Ending October 8, 2008**

**HELD BY:** Tasman Resources NL

**MANAGER and OPERATOR:** WCP Resources Ltd

**AUTHOR:** John Tyne

**DUE DATE FOR SUBMISSION:** EL3634 – 8/12/2008

**MAP SHEETS:** 1:250,000: SH/53-11 Kingoona  
SH/53-12 Andamooka

**GEOGRAPHIC COORDS** Min East: 662000mE Max East: 810000mE  
Min North: **6628000mN** Max North: **6758000mN**

**Datum:** AGD84 **Zone:** 53

**COMMODITY(s):** Copper, Gold, Zinc, Lead, Uranium

**KEY WORDS:** Andamooka, Cambrian, Curdimurka, Gravity Surveying, IOCG,  
Mesoproterozoic, Neoproterozoic, Stuart Shelf, Thrust.

**Distribution:**

Tasman Resources NL

WCP Resources Ltd

Primary Industries and Resources SA

## ABSTRACT

The Lake Torrens Project comprises a series of tenements located in central South Australia near Lake Torrens. WCP Resources Ltd has entered into a Joint Venture with Tasman resources NL, the tenement holders, to explore within the MesoProterozoic and older Gawler Range Volcanics basement units. The primary target style is Iron Oxide Copper Gold (IOCG) systems, similar to those located at nearby Olympic Dam and Prominent Hill.

In early 2008 detailed analysis of gravity data was conducted using version 2 of UBC's 3D inversion modelling software. From this analysis it was determined that no targets of interest were located in the Parakylia area. As a result, it was decided to relinquish exploration license 3634

The table below summarises the work carried out.

| Activities                             | Details                                                                                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Analysis and modelling of gravity data | UBC 3D geophysical inversion software was used to model the gravity data collected in 2007. Generated targets were considered too deep to be feasible to drill. |

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# **Lake Torrens Project Joint Venture**

## **Annual Technical Report for**

### **EL 3634**

## **1 INTRODUCTION**

The Lake Torrens Project comprises a group of tenements located in central South Australia covering an area between Lake Torrens and Lake Eyre South. The majority of the tenements are held under an Amalgamated Expenditure Agreement, with the exception of EL's 3261, 3449 and 3634.

WCP Resources Limited (WCP) has entered into a Joint Venture with Tasman Resources NL (Tasman) over ten exploration licences that include the three licences in this report as well as seven licences within an Amalgamated Expenditure Agreement (AEA), with exploration rights over the basement units. These are considered prospective for Proterozoic Iron Oxide Copper Gold (IOCG) deposits, similar in style to the nearby Olympic Dam and Prominent Hill Deposits. Tasman has retained exploration rights over Neoproterozoic and younger cover units.

In the period under review WCP has carried out a detailed gravity survey over the non-AEA tenements, however this data is yet to be interpreted.

The Location and Exploration Index Map (Figure 1) shows tenement boundaries, the location of areas where various exploration activities were undertaken.

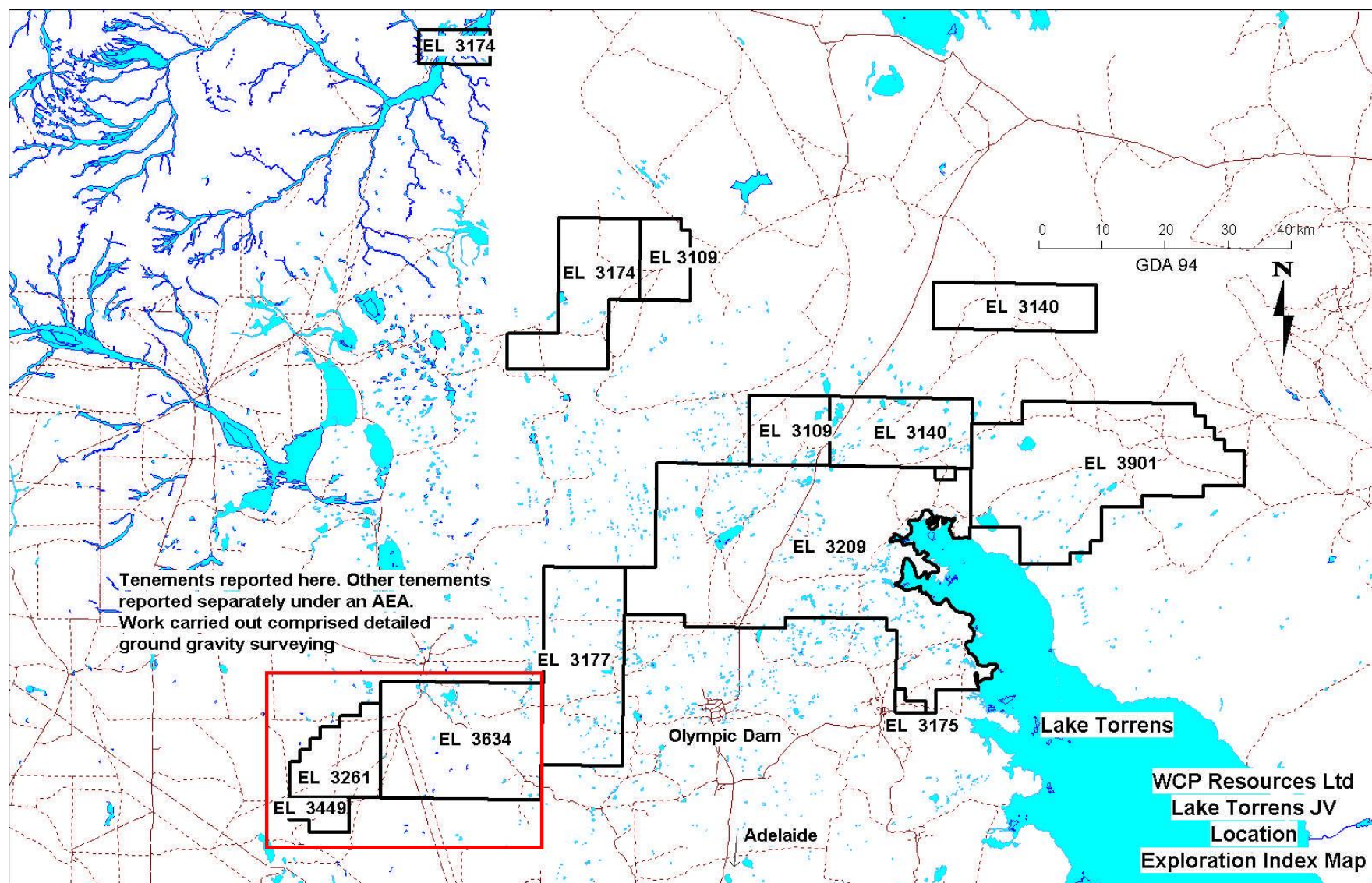


Figure 1: Exploration Index Map

## 2 LOCATION AND ACCESS

The Lake Torrens Project is located in the northern pastoral district of South Australia, between Lake Torrens in the south and Lake Eyre South to the north. The project area at the time of reporting extended 165km north-south and 145km east-west (Figure 1).

The township of Roxby Downs is located 18km outside the south-western margin of the project, with Adelaide 550km to the south. The area is easily accessed via the bitumen road between Port Augusta and Roxby Downs, but within the project area access is primarily by the dry weather WMC borefield road and by station tracks.

## 3 TENEMENT DETAILS

The Lake Torrens Project is 100% owned by Tasman and comprises a group of tenements located in central South Australia covering an area between Lake Torrens and Lake Eyre South.

Tasman has an Amalgamated Expenditure Agreement covering ten of the Lake Torrens Project tenements, with three not included within the AEA.

In December 2006 WCP entered into a joint venture with Tasman over seven of the tenements covered by the Amalgamated Expenditure Agreement, in addition to three tenements covered under separate technical reports, earning up to 65% of the tenements. Under the terms of the JV WCP have rights to exploration over the Mesoproterozoic and older basement units, with Tasman retaining rights over the Neoproterozoic and younger cover sequences

Tenement locations and principal access routes are shown in Figure 1 and JV tenement details are listed in Table 1.

**Table 1: Lake Torrens Project JV Tenement Summary – non-AEA**

| Current EL Number | Locality     | Area km <sup>2</sup> | Date EL Granted | EL Expiry Date | Annual Rents | Minimum Annual Expenditure Commitment |
|-------------------|--------------|----------------------|-----------------|----------------|--------------|---------------------------------------|
| 3261              | Harcus Hill  | 160                  | 14/10/2004      | 13/10/2007     | \$ 728.00    | \$50,000                              |
| 3449              | Gambier Hill | 47                   | 15/11/2005      | 14/11/2007     | \$ 213.85    | \$35,000                              |
| 3634              | Parakylia    | 473                  | 9/10/2006       | 8/10/2007      | \$ 2152.15   | \$80,000                              |

## 4 PREVIOUS EXPLORATION

### 4.1 EXPLORATION COMPLETED BY COMPANIES PRIOR TO TASMAN RESOURCES

Because Quaternary and Mesozoic sediments cover most of the Lake Torrens Project area, it has received little exploration attention, especially in comparison to the adjacent Willouran Ranges, which have been intensively explored for stratiform copper (Rowlands et al., 1978; Krieg et al, 1992). Other exploration programs in ground currently held by Tasman were targeted for a variety of commodities including diamonds, coal, base metals and or precious metals (Olympic Dam, MVT and stratiform copper styles), trona and celestite (Krieg et al, 1992). Work carried out over EL's 3261, 3449 and 3634 included limited rotary drilling by Dampier Mining Ltd in the 1970's as a part of a phosphate exploration programme.

Most of these projects did not lead to drilling and the main drilling programs, as derived from the compilation in the Stuart Shelf Data Package 8 from the Geological Survey of South Australia (2000), are listed in Table 2. The following comments on the drilling programs referred to in Table 4 also draw on this data package.

The holes drilled by Asarco (Australia) Pty Ltd. were at the Peninsula Prospect, a near-surface malachite occurrence within EL 3209. Asarco's holes returned best results of 0.43% Cu (Hole AND/RP 3, from 0 to 6.1m), 0.17% Pb (Hole AND/RP 10, from 3.05 to 6.1m), and 0.04% Zn (Hole AND/RP 4, from 1.22 to 3.05m). Most of the better results were close to the surface. Although Asarco abandoned the project, the potential for MVT style mineralisation was demonstrated and has been confirmed in nearby areas by subsequent sampling by Phelps Dodge (Rutherford, 1997) and Tasman.

**Table 2: Previous Drilling Programs in the Lake Torrens Project Area.**

| Year      | Company                         | Target      | No. holes | Max. depth |
|-----------|---------------------------------|-------------|-----------|------------|
| 1970      | Asarco (Australia) Pty Ltd.     | Pb-Zn       | 12        | 79.3m      |
| 1976      | Endeavour Oil Co NL.            | Coal        | 3         | 86.9m      |
| 1977      | S.A. Mines Dept.                | Opal        | 15        | 20.9m      |
| 1978-1985 | Western Mining Corporation Ltd. | Cu-Au-U     | 7         | 1,037.0m   |
| 1979      | Amoco Minerals Australia Co.    | U           | 2         | 20.0m      |
| 1979-1981 | Amoco Minerals Australia Co.    | Cu-U        | 1         | 1450.2m    |
| 1986-1988 | ETSA                            | Coal        | 21        | 90.0m      |
| 1996-1997 | Phelps Dodge Australasia, Inc.  | Cu-Au-U-REE | 2         | 890.6m     |

Endeavour Oil's coal exploration holes are located in the northern half of the project area within ELs 2772, 3123 and 3140. They were widely spaced at approximately 30 km and provided useful stratigraphic information but were not assayed. Similarly, no assay results were reported for the shallow opal exploration holes at the Stuart Creek opal field 30 km west of Mulgaria Homestead. Most of these holes terminated in Cretaceous sediments, two holes however were reported to have intersected Adelaidean sediments at 13.6m and 6.19m.

Following the discovery in 1976 of the Olympic Dam orebody by Western Mining Corporation Ltd. ("WMC"), several deep diamond drilling programs were carried out, generally targeting magnetic and/or gravity anomalies (Cross et al., 1993). Several of these holes were drilled in the area currently held by Tasman as EL 3209. In 1981 WMC drilled three holes in the north-western corner of EL 3209 (BD1, BD2 and SHD1) on coincident gravity and magnetic highs located approximately 35 km to 40 km north of the Olympic Dam orebody. Some details of the drill holes are shown in Table 5. Basement rocks in hole BD1 were described as medium-coarse grained arkose with magnetite, quartz and chlorite alteration, and porphyritic felsic dyke. Widespread but low grade copper mineralisation was intersected between 608 m to 941 m; this interval of 333 m had an average assay grade of 0.1% Cu. The basement rocks in hole BD2 were described as partly foliated amphibolite, metasediments (possibly volcanogenic), and mafic volcanic rocks. In hole SHD1 the basement rocks were described as fine-grained, weakly foliated granitic gneiss, leucocratic pegmatitic granite, biotite schist, and breccia.

WMC also drilled four deep diamond drill holes between Andamooka and Lake Torrens. These holes were also targeting a gravity high in a regional magnetic high. Mesoproterozoic basement intersected in hole BLD1 was described as mainly brecciated and altered gabbro with some magnetite. Hole BLD2 intersected brecciated and massive granite, with zones of disseminated hematite and magnetite. Hole BLD3 intersected gabbro, fine grained granitoid and fine grained dolerite. Basement was not reached in hole BLD4, it terminated in Adelaidean sediments.

**Table 3: Details of WMC drill holes within EL 3209.**

| Drill hole | Depth to basement | Hole depth | Best intersection                                 |
|------------|-------------------|------------|---------------------------------------------------|
| BD1        | 607.6 m           | 941.0 m    | 5m at 0.22% Cu between 828 m to 838 m             |
| BD2        | 657.4 m           | 829.4 m    | 2m at 0.33% Cu between 767 m and 769 m            |
| SHD1       | 829.6 m           | 965.0 m    | No anomalous assays                               |
| BLD1       | 522.8 m           | 768.0 m    | 2m at 0.062% Cu between 693 m and 695 m           |
| BLD2       | 696.7 m           | 860.2 m    | No anomalous assays                               |
| BLD3       | 872.0 m           | 1024.0 m   | 13.67 m at 0.17% Cu between 858.0 m and 871.67 m. |
| BLD4       | -                 | 1037.0 m   | Did not reach basement                            |

In 1981 Amoco Minerals Australia Co. drilled hole SCYW-79 1A approximately 45 km northeast of Olympic Dam. It failed to reach basement and ended at 1450.20 in tillite and quartzo-feldspathic sandstone of the lower part of the Umberatana Group (Adelaidean). Sited to intersect the interpreted down dip of a regional gravity high, the hole failed to reach basement and ended at 1450m in Sturtian glacials of the lower part of the Umberatana Group (Adelaidean). The gravity survey was poorly controlled and the source of the gravity high remained unresolved.

By 1982, Central Coast Exploration had resolved that the prominent regional gravity high at Bopeechee had little affinity with that coincident magnetic source observed at Olympic Dam. Extensive mapping, structural photo-analysis and infill gravity coverage indicated that the source of the gravity anomaly could be the product of uplifted, dense crystalline basement. No drilling was undertaken to confirm this interpretation. And the opportunity of sulphide mineralisation was never tested with electrical surveys.

During 1986 and 1988 the Electricity Trust of South Australia ("ETSA") drilled a series of coal exploration holes that were aligned along a broad traverse, 65 km long and east-west trending. The traverse passes through the northern portion of EL 2989 and the southern portion of EL 3140. Nine of the 21 holes ended in probable Adelaidean rocks, the rest ended in the overlying Bulldog Shale or Algebuckina Sandstone. No assays are reported.

In 1996 Phelps Dodge Australasia, Inc commenced work on an area almost identical to Tasman's EL 3209 for Olympic Dam style targets at depths less than 800m. The following comments are derived from Rutherford (1997, 1998). Most work was completed to the northeast of Andamooka over a large gravity high. The work included collecting 1,269 samples for selective extraction analysis, detailed gravity surveys and 2 diamond drill holes. The geochemical sampling defined two multi-element anomalies, Big Red and Big Blue. The Big Red anomaly (which is centred a few kilometres southwest of Tasman's Peninsula prospect) is a 4 km long by 1.2 km wide zone of anomalous Cu, spotty Au, Pd, Ba, Se and rare high Mo values. The anomaly occurs in soil over subcropping Andamooka Limestone. Patches and veinlets of malachite were noted. The Big Blue anomaly, located between Big Red and Andamooka, is a 2.4 km long by 300 m wide zone of anomalous Ag, Mo, Pd, Au and Se. Both anomalies were interpreted to be related to a regional unconformity between the Cambrian limestone and the overlying Cretaceous sediments. Hole BRD1 was drilled below the Big Red anomaly and reached Mesoproterozoic basement at 797.53 m depth and ended at 890.6 m. The basement rocks were described as biotite granite, trace carbonate-chlorite-hematite-pyrite, quartz and hematite veining, and granite breccia similar to that occurring in the Olympic Dam deposit. No significant mineralisation was intersected. Hole BRD2 was drilled below the Big Blue anomaly and intersected unmineralised noritic to gabbroic basement rocks from 424.4 m to the end of the hole at 522.5 m.

## 4.2 PREVIOUS EXPLORATION COMPLETED BY TASMAN

As a result of fieldwork conducted since 1996, Tasman has progressively accumulated a substantial geochemical database and a detailed on-ground knowledge of the Lake Torrens Project.

Aeromagnetic and induced polarisation geophysical data have been obtained, either by Tasman directly or from other entities, to assist with the sampling programs. Details are provided in Bryce (2003) and Gray (1997 a,b,c). Tasman had also drilled four holes into the Marathon Deposit and eight into the Titan prospect prior to entering into the JV with WCP Resources, for which details are included in previous statutory reports for the AEA.

The drilling at Titan, following up previous work by WMC, intersected variably altered and mineralised basement units. A number of holes intersected anomalous copper mineralisation associated with the basement units, which were considered encouraging and supported the WMC work. Assay results from Marathon were less encouraging, although the alteration intersected did indicate a significant alteration system worthy of further work.

Details of the Tasman holes and anomalous assays are presented in Table 4 below.

**Table 4: Details of Tasman Drill Holes at Titan and Marathon South**

| Drill hole | Depth to basement | Hole depth | Best intersection (minimum length 10m, 0.1% Cu cutoff, 4m internal dilution, calculated by WCP) |
|------------|-------------------|------------|-------------------------------------------------------------------------------------------------|
| MS001      | 565.25            | 830.8      | No anomalous assays                                                                             |
| MS002      | 558.76            | 930.4      | No anomalous assays                                                                             |
| MS003      | 715.80            | 891.2      | No anomalous assays                                                                             |
| MS004      | 671.72            | 759.0      | No anomalous assays                                                                             |
| TI002      | 605.10            | 862.0      | 20m @ 0.18% Cu between 653.0m and 673.0m                                                        |
| TI003      | 603.47            | 958.0      | No significant assays                                                                           |
| TI004      | 607.88            | 871.5      | No significant assays                                                                           |
| TI005      | 630.94            | 754.6      | 13m @ 0.11% Cu from 729.0m to 742.0m                                                            |
| TI006      | 604.08            | 865.0      | 47m @ 0.27% Cu from 608.0m to 655.0m                                                            |
| TI007      | 604.00            | 804.6      | 16m @ 0.14% Cu from 615.0m to 631.0m                                                            |
| TI008      | 621.76            | 797.8      | No significant assays                                                                           |

## 5 TARGETS AND EXPLORATION MODELS

Previous work by Tasman has taken a multi-commodity approach in its exploration of the Lake Torrens Project. The preferred commodities have been base metals (especially copper, zinc and cobalt) and precious metals (gold, silver and platinum elements).

The project area covers three partly overlapping geological domains:

- Palaeoproterozoic basement intruded by Mesoproterozoic intrusives;
- Neoproterozoic Adelaidean Geosyncline and Stuart Shelf; and,
- Cambrian Arrowie Basin.

Within the Palaeo/Mesoproterozoic basement rocks, the main exploration targets are:

- Iron oxide copper gold (IOCG) deposits, either structurally controlled, as at Prominent Hill, diatreme/breccia associated, as at Olympic Dam, or some other type of related system.

- Layered mafic, Ni-Cu, precious metal (PGM) intrusives, hosted by the Bill's Lookout Gabbroid complex.

Within the Neoproterozoic and Cambrian sediments, the exploration targets have included:

- Sediment-hosted copper deposits, in particular the Mt Isa (SEDEX) style, as targeted in the Bopeechee Fold at Clara;
- Mississippi Valley type ("MVT") or Irish-type zinc  $\pm$ copper $\pm$ (silver) mineralisation, hosted by the Cambrian Andamooka Limestone; and,
- Disseminated sediment-hosted precious metal deposits associated with large fault systems in the Adelaidean sediments.

## 5.1 EXPLORATION STRATEGY

The main thrust of historic exploration has been to test for Olympic Dam style (IOCG) deposits in the Mesoproterozoic basement and Mt Isa/Nifty copper style deposits in the Neoproterozoic. Given the extensive Phanerozoic cover over the prospective host horizons, the approach has been primarily geophysical. From 2005 exploration was focused mostly on the former with some exploration for possible MVT style mineralisation within the Cambrian Andamooka Limestone. WCP's target type is IOCG deposits in the Palaeo/Mesoproterozoic basement.

## 6 GEOLOGY

The project area is located on the eastern edge of the Gawler Craton (on the Stuart Shelf) and also covers parts of the Adelaide geosyncline. Sedimentary rocks dominate the project area and were deposited in four periods: Quaternary/Tertiary, Mesozoic (from the Eromanga Basin), Cambrian (the Arrowie Basin) and Adelaidean (the Adelaide Geosyncline and Stuart Shelf platform sediments). The Palaeoproterozoic basement includes metamorphosed sediments of the Hutchison Group, Donington Granitoid Suite and Wallaroo Group Volcanics. This has been intruded by Mesoproterozoic age Hiltaba Suite, Bill Lookout Gabbro and several batholiths.

The geology has been comprehensively described by Preiss (1987), Drexel et al. (1993), Preiss et al. (1998), Preiss and Cowley (1999), and, Preiss (2000), upon which the following summary is based.

### 6.1 REGIONAL GEOLOGY

#### 6.1.1 Regional geology and mineralisation of the Flinders Ranges and Stuart Shelf

A very thick sequence of sediments was deposited in the Adelaide Geosyncline, a sedimentary basin, during Adelaidean (the latter part of the Neoproterozoic) and Cambrian times (Preiss, 1987). The greatest volume of sediments was deposited to the east of a major crustal structure known as the Torrens Hinge Zone. To the west of the Torrens Hinge Zone the sediments of the Adelaide Geosyncline are much thinner and are represented by the Stuart Shelf. The Adelaide Geosyncline is floored by Mesoproterozoic age rocks, as indicated by basement outcrops around the margins like the westerly Gawler Craton, and in basement inliers like the Mount Painter Inlier. Many minor deposits of copper, lead-zinc-silver and gold are known within Adelaidean and Cambrian rocks throughout the northern Flinders Ranges and Stuart Shelf, but to date no large deposits have been discovered (Olliver and Preiss, 1990). The giant Olympic Dam copper-uranium deposit occurs in the Stuart Shelf but is hosted by Mesoproterozoic basement rocks of the Gawler Craton below the Adelaidean and Cambrian sequences.

Four groups represent the Adelaidean succession: from base to top they are the Callana Group, the Burra Group, the Umberatana Group and the Wilpena Group (Preiss, 1987). Sediments of the Callana Group were deposited in non-marine to marginal marine rift valleys. Thick sequences of evaporitic clastics and carbonates followed minor mafic volcanism. The Callana Group hosts many small copper deposits, such as Clara St. Dora (within the Lake Torrens Project) and the old Blinman Mine further south. Many of these copper deposits are associated with disrupted and brecciated zones that are thought to be diapirs (Preiss, 1987; Lemon, 1996). Because of its palaeogeographical setting, its numerous, small copper deposits and its similarity to the Copperbelt district in Zambia, the Callana Group has been an exploration target for stratiform copper mineralisation for many years (Rowlands et al., 1978; Lambert et al., 1987). The Burra Group was also deposited in a rift setting. The most significant base metal sulphide deposit in the Burra Group was the copper mineralisation at the Burra Mine, but there are many other minor copper, gold and lead-zinc occurrences.

The Umberatana Group contains rocks from two major glacial periods and includes a thick marine sequence of partly sulphidic and carbonaceous shales, the Tapley Hill Formation. Many of the gold occurrences in the Flinders ranges occur within the Umberatana Group, predominantly in the eastern part of the Flinders Ranges. The Tapley Hill Formation hosts several small copper deposits, for example at the old Kapunda Mines (65 km NNE of Adelaide) and at the Myall Creek prospect on the Stuart Shelf. The youngest Adelaidean sediments belong to the Wilpena Group, also a marine succession of clastics and carbonates. The Wilpena Group contains few sulphide occurrences with the notable exception of the Bunyeroo Formation, a red shale rich unit that hosts many small copper occurrences (Mawson and Segnit, 1949; Eberhard, 1977).

Following a break, marine sedimentation resumed in the Adelaide Geosyncline during the Cambrian with deposition within the Arrowie Basin. In the northern Flinders Ranges the Andamooka Limestone and its equivalents host lead-zinc mineralisation at many locations, notably at the mining centres of Ediacara (in the Ajax Limestone; Nixon, 1967, Johns, 1968) and Puttapa (in the Ajax Limestone; Rangott and Sear, 1975).

Sedimentation in the Adelaide Geosyncline terminated with the onset of the Cambro-Ordovician Delamerian Orogeny, and rocks affected by this orogeny are referred to as the Delamerian Fold Belt (Preiss, 1987). Both the Adelaide Geosyncline and the Delamerian Fold Belt are bounded to the west by the Torrens Hinge Zone (THZ). West of the THZ the sediments of the Stuart Shelf are not folded or are only weakly deformed, whereas to the east of the THZ the Adelaide Geosyncline sediments are strongly folded and faulted. During the Delamerian Orogeny many early faults that are thought to have been active during rifting were reactivated and may have played significant roles in the channelling of mineralised solutions. The major Norwest Fault that passes through the Lake Torrens Project is such a structure.

## **6.2 GEOLOGY OF THE LAKE TORRENS PROJECT**

### **6.2.1 Geomorphology**

Most of the project area comprises broad open saltbush plains with only a few hills. The northern part of the project area is mostly wide plains underlain by flat-lying Cretaceous sediments. Scattered mesas are capped by Tertiary duricrust. The north-eastern portion contains the wide alluvial systems of Screech Owl Creek and Gregory Creek that both flow northwards into Lake Eyre South. The plains typically contain substantial gibber contents, consisting mainly of Tertiary sandstone and silcrete, but also including some well-rounded pebbles and boulders of Adelaidean quartzite. Longitudinal sand dunes occur in this northern region but are more abundant toward the south, especially south of Mulgaria Homestead where they are the dominant land feature. Within the dune systems are several claypans of which the largest is Airport Claypan, site of one of Tasman's geochemical anomalies. On the north-eastern side of the project area, where it encroaches on to the edge of the Willouran Ranges, the topography is hilly with thin soils. Other hilly exposures of the Adelaidean sediments, but with lower relief, occur immediately north of Lake Torrens.

### **6.2.2 Geology**

The main stratigraphic units that are known within the project area are shown in Table 5 (Dalgarno, 1982; Krieg et al., 1992). Surface exposures within the project area are dominated by sedimentary rocks that were deposited in four broad periods: Quaternary/Tertiary, Mesozoic (the Eromanga Basin), Cambrian (the Arrowie Basin) and Adelaidean (the Adelaide Geosyncline and Stuart Shelf).

The Quaternary sediments are represented by widespread deposits such as alluvium, colluvium, sand dune systems, playa deposits, soils and lag surfaces. These are the materials that have been sampled during Tasman's geochemical exploration program. Where exposed in the project area, the Tertiary sediments are generally represented by erosional debris or as duricrust cappings of silcrete and gypcrete. The debris consists of red sandstone and Adelaidean pebbles derived from eroded alluvial deposits and silcrete and silicified sediments derived from the Tertiary weathering surface.

Mesozoic sediments in the project area are dominated by the Bulldog Shale, a sedimentary unit that occurs in the Eromanga Basin beneath large areas of northern South Australia. Where exposed in the Lake Torrens Project the Bulldog Shale is a grey marine mudstone, with numerous, large, well-rounded boulders in its basal section. Many of these boulders litter the surface in parts of the project area, for example in the area west of the Thrust prospect. Although it occurs widely throughout the project area, the Bulldog Shale is generally covered by colluvium, swelling clays and a lag of silcrete and sandstone pebbles on wide, flat plains. Exposures of the Bulldog Shale are

confined to the flanks of mesas and some drainage cutaways. Apart from an association with opal occurrences in the Andamooka region, the Bulldog Shale and other Mesozoic sediments are not known to host significant base metal or precious metal mineralisation, however many of Tasman's strongest geochemical anomalies are underlain by this unit.

**Table 5: Main Stratigraphic Units present in the Lake Torrens Project Area.**

| <b>Age</b>      | <b>Stratigraphic Unit</b>                             | <b>Description</b>                                               |
|-----------------|-------------------------------------------------------|------------------------------------------------------------------|
| Quaternary      | Various                                               | Alluvial, colluvial and aeolian deposits                         |
| Tertiary        | Watchie Sandstone                                     | Porous sandstone                                                 |
| Cretaceous      | Bulldog Shale                                         | Grey marine mudstone                                             |
|                 | Cadna-owie Formation                                  | Gritty to pebbly sandstone                                       |
| Jurassic        | Algebuckina Sandstone                                 | Cross-bedded quartz sandstone                                    |
| Cambrian        | Yarrowurta Shale                                      |                                                                  |
|                 | <b>Wilpena Group</b>                                  | Massive fossiliferous limestone                                  |
|                 | Andamooka Limestone                                   |                                                                  |
| Neoproterozoic  | <b>Wilpena Group</b> (Adelaide Geosyncline)           |                                                                  |
|                 | <i>Pound Subgroup</i>                                 | Sandstone and quartzite                                          |
|                 | <i>Wonoka Formation</i>                               | Limestone and calcareous shale                                   |
|                 | <i>Bunyeroo Formation</i>                             | Red and green laminated siltstone/shale                          |
|                 | <i>ABC Range Quartzite</i>                            | Flaggy quartzite                                                 |
|                 | <i>Brachina Formation</i>                             | Laminated siltstone and quartzite                                |
|                 | <i>Nuccaleena Formation</i>                           | Laminated dolomite rock                                          |
|                 | <b>Wilpena Group</b> (Stuart Shelf)                   |                                                                  |
|                 | <i>Yarloo Shale</i>                                   | Purple Shale                                                     |
|                 | <i>Tent Hill Formation</i>                            | Red shales and quartzites                                        |
|                 | <i>Simmens Quartzite</i>                              |                                                                  |
|                 | <i>Tent Hill Formation</i>                            | Red brown sandstone                                              |
|                 | <i>Corraberra Sandstone</i>                           |                                                                  |
|                 | <i>Tent Hill Formation</i>                            | Red and green laminated shale, minor silts and sands towards top |
|                 | <i>Tregolana Shale</i>                                | Pale calcareous siltstone                                        |
|                 | <i>Nuccaleena Formation</i>                           |                                                                  |
|                 | <b>Umeratana Group</b>                                |                                                                  |
|                 | <i>Elatina Formation</i>                              | Coarse sandstone and siltstone                                   |
|                 | <i>Amberooona Formation</i>                           | Siltstone, shale and limestone                                   |
|                 | <i>Tapley Hill Formation</i>                          | Laminated siltstone and shale                                    |
|                 | <b>Burra Group</b>                                    | Various sediments                                                |
|                 | <b>Callana Group</b>                                  | Various sediments, partly as breccia                             |
| Mesoproterozoic | Gawler Craton Units, including Gawler Range Volcanics | Occurs at depth. Metasediments, felsic and mafic igneous rocks.  |

Cambrian rocks are represented chiefly by the Andamooka Limestone, a flat lying unit of the Stuart Shelf. It is a massive, fossiliferous, dolomitic limestone and dolomite that is exposed in outcrop

around the northern tip of Lake Torrens and also about 12 km west of Mulgaria Homestead. Stratigraphic equivalents of the Andamooka Limestone host MVT style lead-zinc sulphide mineralisation elsewhere in the Adelaide Geosyncline, for example at the Ediacara field, and zinc silicate (willemite) mineralisation at the Puttapa Mine, respectively located 39 km and 45 km southeast of EL 2642. Two areas of some interest for MVT style mineralisation within the Lake Torrens Project, both within Andamooka Limestone, are the area around the OK copper workings on the northern tip of Lake Torrens, and the Peninsula Prospect area on the western shore of Lake Torrens. The Peninsula Prospect is described in more detail in following paragraphs. In addition, Roberts (1967) reported two samples taken from the western shore of Lake Arthur, located 27 km WSW of Mulgaria Homestead, which contained 430 ppm and 180 ppm lead.

Adelaidean rocks are exposed in two areas within the Lake Torrens Project. The western area is a 50 km long meridional zone in the centre of the project and the eastern area is along the eastern margin of the project where it encroaches on to the Willouran Ranges. In the western area the Adelaidean rocks are exposed in a series of low ranges, hills and creek washaways 10 to 25 km west of Mulgaria Homestead. There, units of the Wilpena Group are dominant with minor Umberatana Group (Sturt Tillite; Murrell, 1977) exposed in an anticlinal hinge. A high degree of lateral continuity is indicated for many of the units by aeromagnetic data. These data show that weakly magnetic units within the Brachina Formation can be traced for over 50 km (and probably much further) without significant change in strike or spacing.

The Adelaidean rocks on the eastern side of the Lake Torrens Project are well-exposed units of the Wilpena, Umberatana and Burra Groups. In EL 2772 and EL 2832, older units belonging to the Callana Group and associated with a diapiric breccia structure host copper mineralisation at the Clara St. Dora workings.

None of the metamorphic and igneous basement rocks that characterise the Gawler Craton are exposed in the project area. At Olympic Dam the thickness of the cover sequence over the Gawler Craton rocks is approximately 300 m (Cross et al., 1993). Within the project area it is known from records of old drill holes within EL 2594 (just north and east of Olympic Dam) that the depth to the Gawler Craton basement varies from 424 m to >1,450 m. Geophysical modelling by the Department of Mines and Energy (1982) showed the interpreted depth to magnetic basement within the Lake Torrens Project as exceeding 4.0 km.

## 6.3 MINERALISATION

A total of six mineral occurrences are known within the Lake Torrens Project, all copper-rich. Zinc-lead occurrences are known in the Ediacara district to the southeast of the project area. The world class Olympic Dam Cu-Au-U-REE breccia deposit is located 30km south of the project area, and the Acropolis, Wiirda Well, Snake Gully and Todd's Dam IOCG systems are also located in the basement rocks of the district.

These can be grouped into three metallogenic styles, namely:

- Sediment-hosted copper (either diapir or structurally controlled) supergene enriched Cu;
- Karst fill or MVT-affinity base metals, especially copper and silver; and,
- Basement hosted iron oxide copper gold systems.

### 6.3.1 Clara St Dora, historic copper workings

Located in the SE corner of EL2772, the prospect is about 8km south of the abandoned Alberrie Creek railway-siding. Mineralisation is hosted by calcareous siltstones of the Callanna Beds, at the margin and partly within a diapiric breccia structure. The Clara St Dora group of workings produced over 4228t of ore with copper grades indicating a range from less than 1% Cu to 39.3% Cu with a weighted average implied at 3.8% Cu. The main mine workings occur within an area measuring 30 m by 30 m, with other smaller workings to the east. In the main workings, the

lodes are confined to bedding plane breccias and cross-cutting faults. Mapping of the workings indicate that mineralisation is only poorly hosted by the dolomite (Black Knob Marble), but is more commonly confined to the surrounding contact margin of the dolomite.

### **6.3.2 OK Copper Mines**

The OK Copper workings are located 6 km west of Lake Arthur at the northern end of Lake Torrens.

Hosted in subcropping Andamooka Limestone, the small malachite mineralised karsts and 'ironstone' infilled conjugate joints are exposed in two closely separated groups. The two groups are noted to outline two narrow corridors each of divergent long axes.

Of interest is that the mineralisation is best developed in the elongate karsts that parallel the long axis of the holding group. In particular, the karsts distributed in the southern group define a 017° long axis with the preferred orientation of mineralisation spanning 000-030°AMG. The northern group is only sparsely developed with an indicated long axis trending 095° with the preferred direction of the mineralised karsts at 100-105°.

### **6.3.3 Waterman's Plain**

The historic copper workings at Waterman's plain (M1) approximately 30 km NE of WMC's Olympic Dam mine were located by Tasman during geophysical surveys conducted in November 2002. The old workings were not previously known of or recorded in published material. The workings are located on a 3 km long residual gravity anomaly identified by Tasman's earlier gravity survey.

The electrical survey (IP/resistivity) was conducted at various points along the gravity anomaly and identified several chargeable zones both north and south of the old workings.

The workings are located on an area of outcropping Andamooka Limestone 600m long by 450m wide. The outcrop is shown on the published geology sheet, and is clearly evident on remotely sensed images. The outcrop area is covered with a thin veneer of ferruginous lag material, derived from pyrite/marcasite infilling fractures and disseminated within the limestone. The exposed flat lying limestone becomes more dolomitic with depth.

The workings comprise a main shaft or pit, approximately 5m deep, 2-3m wide and 4m long. Gypsiferous mullock has been thrown on the northern end of the shaft and clay/soil has covered most of the rock exposed in the shaft. The bottom of the shaft likewise has filled with soil.

A number of shallow (<0.5m) excavations have been dug around the main shaft, principally along a roughly north-south axis, covering an area of approximately 30m by 15m. Presumably these trenches were dug to look for additional copper but no mineralisation is evident.

The shaft appears to have been dug on a subvertical structurally controlled zone. There is an indication of possible brecciation within the shaft but it is largely obscured by dirt coating the shaft walls. The shaft is also located on a lithological contact between a massive grey fenestral limestone and a light brown flaggy dolomitic limestone.

Green secondary copper minerals, goethite (both earthy and vitreous), red earthy material and grey sulphides have been excavated from the shaft. A small mound of discarded sorted material is located nearby the shaft.

In 2003 Tasman drilled a single inclined RCP drill hole to a depth of 65m beneath the shaft which intersected three zones of goethitic material:

- within the 11-12m downhole interval;
- from 13m to 20m downhole; and,
- from 25m to 28m downhole.

The central zone also had green copper minerals from 16m to 18m, initially identified as malachite, but probably atacamite. Samples from the hole were collected as 3m composites. The 12-21m zone averaged 3.3% Cu, incl 3m @ 9.82% Cu and 4.3% Pb. Zinc assays were low order (max. 560ppm).

A mineragraphic (reflected light) and SEM examination of two small pieces of mineralised rock from the mullock heap has interpreted the material to be copper-rich gossan containing a mixture of goethite (iron oxides) and atacamite (basic copper chloride, 59% Cu) with about 20% copper sulphides. The sulphides comprise principally chalcocite (80% Cu) together with subordinate digenite (78% Cu) and covellite (66% Cu). The atacamite is pervasive, permeating the goethite and forming monomineralic zones. Relict sulphide textures are present in the goethite. SEM scans revealed the presence of silver halide (AgI, iodargyrite) and traces of lead salts. One speck of gold was also noted, but this may have been contamination from the polishing machine.

Primary gossan textures were evident in the samples, suggesting weathering and supergene enrichment of primary mineralisation rather than formation by transported surficial accumulation.

Additionally, assays of five grab samples of gossanous mineralised rock selected from the mullock heap have been obtained giving results of up to 40% Cu and 28.4ppm Ag with elevated Co (210ppm max).

### **6.3.4 West Mount copper diggings**

The West Mount copper diggings comprise copper mineralised carbonate veins terminated against barren quartz reefs.

Mineralisation is hosted by calcareous siltstones of the Neoproterozoic Amberoona Formation.

The small pits forming the diggings exploited parts of three laterally extensive vein sets, with a strike length of about 500m. The prospect mullock heaps contain minor malachite bearing siderite vein material. With no production records indicated, it is likely that little ore was produced judging from the volume comparison of excavation and dumps.

### **6.3.5 Airport Claypan**

The early attraction of Airport Claypan rests on the discovery of detrital flakes of atacamite and atacamite-rich arkosic siltstone along the southern shoreline, forming the spine to a 2km long MMI copper anomaly. Subsequent phases of MMI sampling indicated that the highest level of anomalous copper remained closely confined to the southern shoreline. The anomalism is thought to be related to metal-rich sediments at the top of the Bunyeroo Formation (the Wearing Dolomite).

### **6.3.6 Titan Deposit**

The almost coincident magnetic and gravity highs at the WMC Bopeechee East prospect were investigated with drill hole BD1 and two lines of complex resistivity (CR). The latter outlined resistivity lows coincident with the magnetic and gravity highs, but electro-magnetic coupling was too strong to determine if the phase response was anomalous.

BD1 drilled the centre of the southern end of a magnetic high and intersected moderately to intensely altered arkoses, intermittently but strongly veined with magnetite and interpreted to be, in part, the source of the anomalies. The gravity anomaly is eastward more extensive than the magnetic anomaly suggesting an oxidised margin to the source body. The dominant alteration phases in BD1 are magnetite, chlorite and quartz with carbonate, apatite, pyrite and chalcopyrite as minor phases. The total sulphide content is indicated at 1% and along with the vein and disseminated magnetite occurrences may account for the resistivity low.

Dissimilar to the Olympic Dam style of mineralisation and at a greater than 600m depth, WMC concluded that the strongest and shallowest mineralisation had been tested. The copper mineralised intervals generally returned values of <0.2% Cu. However, the indicated high ratio of cobalt in sulphide draws an association with other magnetite hosted copper deposits such as Ernest Henry,

Osborne and Peko, with an apparent overall cobalt ratio of 1:<10 and one 2m interval returning 0.59% Cu with 0.1% Co.

### **6.3.7 Peninsular Prospect**

The copper occurrence is located adjacent to the western shoreline of Lake Torrens; a zone sensitive to the Native Title stake-holders. The prospect was drilled by Asarco and returned erratic and generally low levels of copper, lead, zinc and arsenic mineralisation. Another nearby occurrence of copper (malachite stained gypsum) mineralisation was reported by Phelps Dodge, 3km west of Peninsular. The host is a karst infill within the Andamooka Limestone. Phelps Dodge also reported extensive geochemical anomalies in the vicinity, which were never drill investigated.

### **6.3.8 Mount James**

A small Cambrian age structural basin of basal dolomitic facies host significant MVT lead mineralisation of the Ediacara Mineral Field, where 29.5 Mt of 1 % lead, 9 g/t silver and 0.75 % copper has been outlined. Further, a small historical copper working known as Caine's Claim is located 12 km to the east of Ediacara. The quartz-carbonate-malachite veining is of limited strike extent and shear confined within the Deception Fault Zone.

The area was originally applied for targeting lead-zinc potential in buried Cambrian age mineralisation of the Beltana Sub-basin; and, the possibilities of the Bunyeroo Formation hosting copper-(zinc) mineralisation. The area was believed to lie at the junction of the Gawler Craton and the Adelaide Geosyncline at a point where it was cut by either the G9 or the Olympic Dam tectonic corridor. The substantial lead deposits of the Ediacara Mineral Field were considered to provide evidence of substantial mineralising processes in the region associated with the major Ediacara Fault.

## **7 WORK CARRIED OUT DURING THE REPORTING PERIOD**

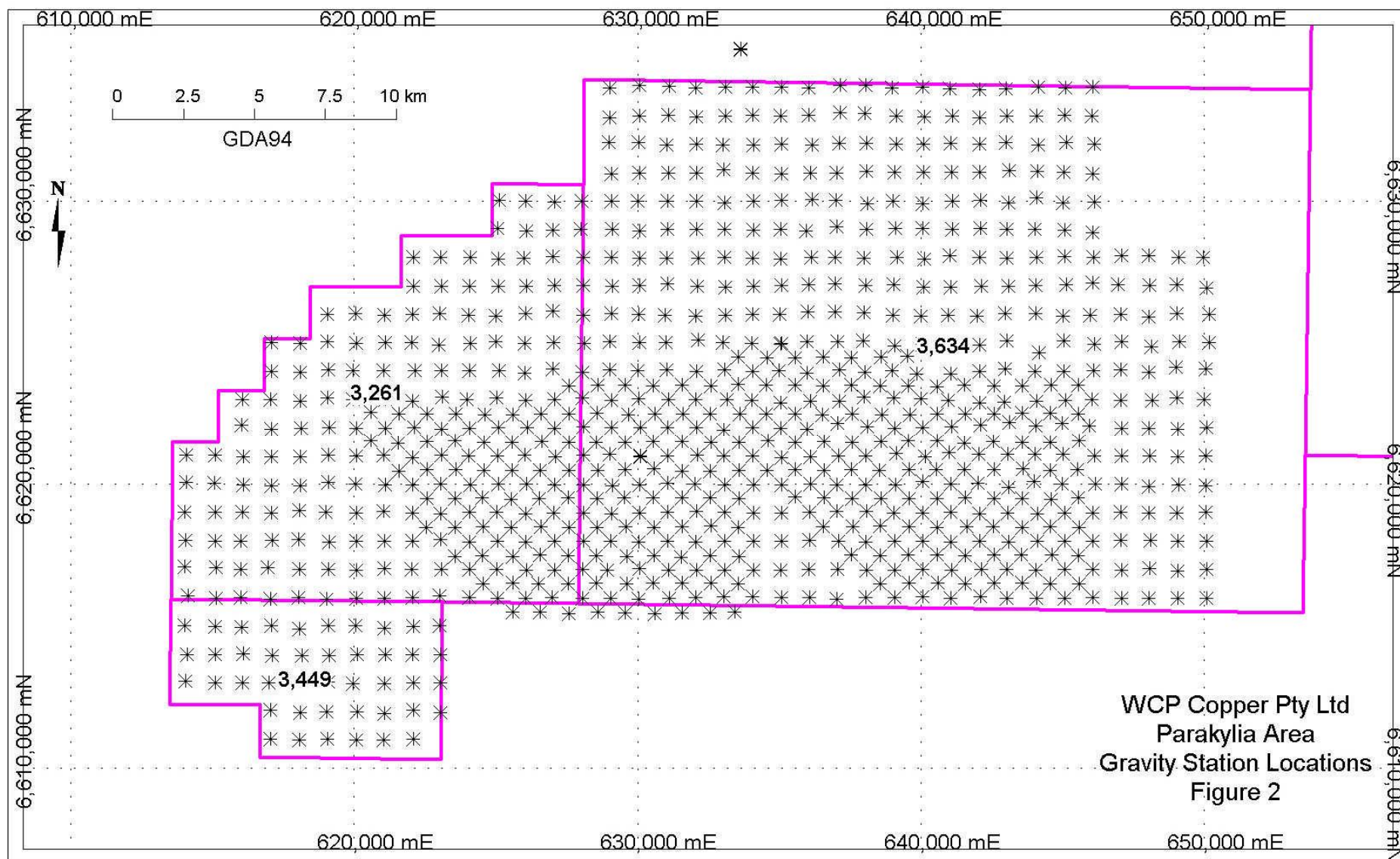
### **7.1 DETAILED GRAVITY SURVEYING**

During 2007 WCP completed a detailed gravity survey over the tenements. The work was carried out by Daishsat Geodetic Surveyors, with 848 stations (including repeats and base station readings) being measured over an eight day period between October 26 and November 2, 2007. This work was helicopter supported, with stations being sited at 1km station spacing with areas of anomalism subsequently infilled with centre point stations giving an effective 700m diagonal spaced grid. A map of the stations is included as Figure 2, and the results were submitted to PIRSA in the 2007 annual report.

In early 2008, geophysical modelling of the gravity data over EL 3634 was conducted using version 2 of UBC's 3D geophysical inversion modelling software. Modelling showed a low intensity east west trending anomaly, which was determined to be of low value as a potential IOCG target. This modelling was presented to WCP, but no formal report displaying the results was produced.

## **8 DISCUSSION OF RESULTS/FURTHER WORK**

The interpretation and 3D inversion modelling of the results of the new and existing gravity data showed no high priority targets on EL 3261. Only weak or very deep anomalies were modelled, and as such, it was decided that none of the targets would be drill tested.



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## 9 EXPENDITURE SUMMARY

The total expenditure by WCP EL 3634 from 9<sup>th</sup> of October 2007 to 8<sup>th</sup> October 2008 was \$61,953.25 the details of which are summarised in Table 7.

**Table 7: Expenditure Summary – EL 3634**

| EL3634              |           |
|---------------------|-----------|
|                     | WCP       |
| Geology             | 3,076.00  |
| Geophysics          | 53,376.91 |
| Tenement Management | 5,500.34  |
|                     |           |
| TOTAL               | 61,953.25 |

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