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# A simple Bouguer gravity anomaly map of southwestern Saudi Arabia and an initial interpretation

by

Mark E. Gettings 1/

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# A SIMPLE BOUGUER GRAVITY ANOMALY MAP OF SOUTHWESTERN SAUDI ARABIA AND AN INITIAL INTERPRETATION

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## ABSTRACT

Approximately 2,200 gravity stations on a 10-km$^2$ grid were used to construct a simple Bouguer gravity anomaly map at 1:2,000,000 scale along a 150-km-wide by 850-km-long strip of the Arabian Peninsula from Sanam, southwest of Ar Riyad, through the Farasan Islands and including offshore islands, the coastal plain, and the Hijaz-Asir escarpment from Jiddah to the Yemen border. On the Precambrian Arabian Shield, local positive gravity anomalies are associated with greenstone belts, gneiss domes, and the Najd fault zones. Local negative gravity anomalies correlate with granitic plutonic rocks. A steep gravity gradient of as much as 4 mgal-km$^{-1}$ marks the continental margin on the coastal plain near the southwestern end of the strip. Bouguer gravity anomaly values range from -10 to +40 mgal southwest of this gradient and from -170 to -100 mgal in a 300-km-wide gravity minimum northeast of the gradient. Farther northeast, the minimum is terminated by a regional gradient of about 0.1 mgal-km$^{-1}$ that increases toward the Arabian Gulf. The regional gravity anomaly pattern has been modeled by using seismic refraction and Raleigh wave studies, heat-flow measurements, and isostatic considerations as constraints. The model is consistent with the hypothesis of upwelling of hot mantle material beneath the Red Sea and lateral mantle flow beneath the Arabian plate. The model yields best-fitting average crustal densities of 2.80 g-cm$^{-3}$ (0-20 km depth) and 3.00 g-cm$^{-3}$ (20-40 km depth) southwest of the Nabitah suture zone and 2.74 g-cm$^{-3}$ (0-20 km depth) and 2.94 g-cm$^{-3}$ (20-40 km depth) northeast of the suture zone. The gravity model requires that the crust be about 20 km thick at the continental margin and that the lower crust between the margin and Bishah (lat 20° N., long 42.5° E.) be somewhat denser than the lower crust to the northeast.

Detailed correlations between 1:250,000- and 1:500,000-scale geologic maps and the gravity anomaly map suggest that the greenstone belts associated with gravity highs contain a large proportion of gabbroic and dioritic intrusive rocks and that the bulk density of the upper crust associated with some of the batholithic complexes has been lowered by the large-scale intrusion of granitic material at depth, as well as by that exposed at the surface.

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A comparison of known base and precious metals occurrences with the Bouguer gravity anomaly field shows, in some cases, a correlation between such occurrences and the features of the gravity anomaly map. Several areas were identified between known mineral occurrences along gravity-defined structures that may contain mineral deposits if the lithologic environment is favorable.

## INTRODUCTION

The western part of Saudi Arabia is composed of a Precambrian shield that is bordered on the east by a platform of gently dipping sedimentary rocks of Cambrian age and younger and on the west by rocks of the Tertiary Red Sea paar. During the past 8 years, aeromagnetic, gravity, heat-flow, and seismic deep-refraction data have been collected or compiled at a regional scale along a 150-km-wide transect that extends from the platform across the southern part of the Arabian Shield into the Red Sea paar. This report presents preliminary results of the gravity investigations.

Previous to these regional geophysical studies, knowledge of the crustal structure of the Arabian Shield was limited to inferences from surface geologic mapping (for example, Schmidt and others, 1979), geochemical and isotopic studies (Stacey and others, 1980), and studies of Rayleigh waves from earthquakes (Niazi, 1968; Knopoff and Fouda, 1975).

The gravity surveys cover an area of the transect that extends for about 850 km, from north of Sabhah southwest through the Farasan Islands; this area is roughly parallel to the southeastern boundary of the Arabian Shield and roughly perpendicular to other first-order structural boundaries (fig. 1). Beginning in the northeast in the southwestern part of the Al Amar-Idsas fault zone, the area crosses the Shammar, Najd, and Hijaz-Asir tectonic provinces (Greenwood and others, 1980) and the exposed western margin of the continental plate at the foot of the Asir escarpment, and extends almost all the way across the eastern Red Sea shelf, from coastal plain to axial trough, in the southern Red Sea.

The gravity surveys were primarily designed to provide information at a regional scale relating to the thickness, structure, and bulk composition of crustal and upper mantle layers that could be correlated with geologic and other geophysical data. The primary objective of the entire regional geophysical program was to acquire data that would allow an examination of fundamental crustal problems such as the late Proterozoic cratonization and tectonic evolution of the Arabian Shield, the origin and significance of tectonic,

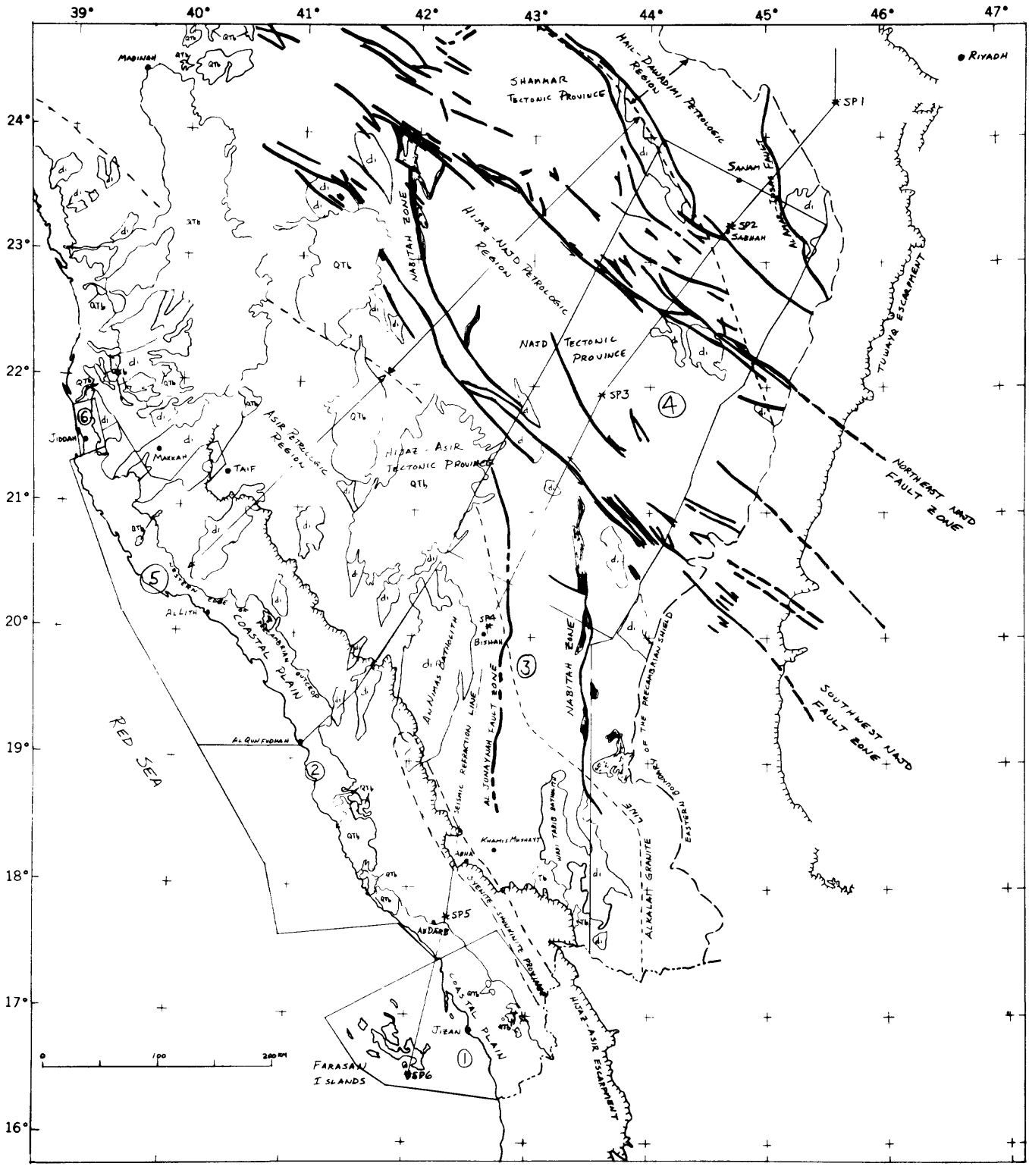


Figure 1.--Map of southwestern Saudi Arabia showing gravity survey areas (labeled with circled numbers), petrologic and tectonic provinces (dashed lines), major fault zones (heavy lines), and areas of diorite outcrop (di), ultramafic and related rocks (gray shaded areas), and Tertiary basalt fields (Tb, QTb). Note that the eastern boundary of survey areas 2 and 5 and the western boundary of area 3 is the Hijaz-Asir escarpment. Locations of the seismic deep-refraction shot points (SP) and the seismic refraction line are also shown.

magmatic, and metallogenic provinces of the Shield, and the nature of a continental plate margin in an active spreading zone.

This report proceeds from a brief geologic sketch to a discussion of gravity data acquisition and reduction and a qualitative interpretation. Some implications of the seismic refraction and aeromagnetic data are then examined, and, finally, some correlations between known mineral occurrences and gravity-defined structures are discussed.

## GEOLOGIC SETTING

Most of the survey area is located on the Arabian Shield (fig. 1), which consists predominantly of Precambrian metamorphic and plutonic rocks and forms the western third of the Arabian Peninsula. The Shield is interpreted to have evolved from island arcs that formed during a series of subduction episodes and subsequently were juxtaposed by compressional orogenies (Schmidt and others, 1979). To the east, the Shield is bounded by the Mesozoic sedimentary rocks of the Phanerozoic Arabian Platform that dip gently eastward and onlap unconformably upon the Shield (Powers and others, 1966). To the west, the Shield abuts the Tertiary rocks at the eastern edge of the Red Sea sea-floor spreading system. This tectonic boundary is characterized by complex faulting and Tertiary dike injection and volcanism.

### The Arabian Shield

The Arabian Shield is a stable craton of predominantly late Precambrian metamorphic and plutonic rocks. It occupies an area of about 770,000 km$^2$ and is composed of approximately 40 percent granitoid rocks and 60 percent volcanic and sedimentary rocks, most of which have been metamorphosed to varying degrees. The geologic history of the Shield is complex, and many important details remain to be clarified. In this paper I will only briefly describe the major tectonic, petrologic, and structural/lithologic provinces and regions that may relate to the regional variations in crustal structure of the Arabian Shield. More detailed descriptions of the general geology of all or parts of the Shield may be found in Brown and Jackson (1960), Brown (1972), Schmidt and others (1973), Brown and Jackson (1979), Hadley and Schmidt (1979), Schmidt and others (1979), and Greenwood and others (1980), among others. The major geochronologic relationships are given in Baubron and others (1976), Fleck and others (1976), Aldrich and others (1978), Cooper and others (1979), Fleck and others (1980), and Stacey and others (1980). A generalized history of the development of the Shield is

presented by Schmidt and others (1979).

Schmidt and others (1979) and Greenwood and others (1980) divided the area of the Arabian Shield that includes the geophysical transect into several tectonic provinces. The region from the Phanerozoic sedimentary rocks to approximately midway between seismic shot points 2 and 3 (fig. 1) is designated the Shammar tectonic province and is composed of calc-alkaline, late-tectonic granitic rocks and their extrusive equivalents and metamorphosed sedimentary and volcanic rocks of the greenschist facies (Brown, 1972). The Idsas suture zone, which is marked by the trace of the Al Amar-Idsas thrust fault (Schmidt and others, 1979), extends north-northeast in an arc truncated at both ends at the eastern boundary of the Shield (fig. 1). The Shield rocks to the northeast of the fault are those of a westward-thrust block (fig. 1), which has been interpreted as the western edge of an allochthonous continental crust that has been sutured to the rest of the Shield along the Idsas zone. Lead isotope studies of rocks from mineralized zones in this area suggest that this block may be underlain by much older crust of about 2,100 Ma age (Stacey and others, 1980).

The Shammar tectonic province is bounded on the southwest by the Najd tectonic province (fig. 1). The two provinces are separated by the southern limit of the northeast Najd fault zone, an area of extensive left-lateral strike-slip faulting. The Najd tectonic province extends southwest as a broad, northwest-trending belt to about midway between shot points 3 and 4 and is characterized by syntectonic granites that intrude predominantly andesitic metavolcanic and metasedimentary greenstone and greenschist (Brown, 1972; Schmidt and others, 1979). Ubiquitous faulting, tectonism, and extensive intrusion of mafic dike material also characterize this province.

The Najd tectonic province is bounded on the southwest by the southwest Najd fault zone; southwest of this boundary is the Hijaz-Asir tectonic province, which extends to the Hijaz-Asir escarpment (fig. 1). The Hijaz-Asir tectonic province has not been as severely affected by tectonism as the Najd tectonic province, and it is composed of several north-trending subprovinces or belts. A zone of serpentinized ultramafic rocks in the northeastern part of the province is designated the Nabitah fault or suture zone (Schmidt and others, 1979) and interpreted to be part of a Precambrian subduction zone. A belt of asymmetric gneiss domes to the west of the Nabitah zone probably represents the crust of a marginal basin that has been compressed and folded into nappe structures by a subsequent sea-floor-spreading episode to the east (Schmidt and others, 1979).

The belt of gneiss domes terminates approximately 40 km southwest of Bishah against a belt of metavolcanic and metasedimentary rocks. The rocks of this belt are predominantly andesitic to basaltic in composition, and they increase in age and proportion of basalt toward the west. Schmidt and others (1979) suggested that these rocks represent the oldest of the island arcs that formed the Shield and that they have the most primitive composition. In some cases severely deformed, they are metamorphosed to varying degrees and are intruded by granitoid batholiths of pretectonic age.

Stoeser and Elliott (1979) defined petrologic regions of the Shield on the basis of the composition and proportion of granitoid rocks. About 30 km southwest of shot point 2, a north-northwest-trending boundary (fig. 1) that follows the northernmost Najd faults separates the Hail-Dawadimi region, an area predominantly composed of granites, from the Hijaz-Najd region. The Hijaz-Najd region is a broad, northwest-trending area, the southwestern boundary of which crosses the profile approximately at shot point 4. The region is defined by the presence of alkali granites, which do not crop out west of its southwestern boundary, termed the alkali granite line (Stoeser and Elliott, 1979; fig. 1).

The Asir petrologic region lies between the alkali granite line and the western edge of the Shield. It contains no alkali granites and sparse calc-alkaline granites. A narrow, linear belt of syenite and shonkinite intrusive rocks lies parallel with the Red Sea along the Asir escarpment (fig. 1) and is referred to by Stoeser and Elliott (1979) as the syenite-shonkinite province.

Ramsay and others (1979) have defined a series of structural/lithologic provinces of the Arabian Shield along a geotraverse that coincides with part of the seismic refraction line. Because these provinces generally contain a mixture of metamorphic grades and lithologies that probably do not have large physical property contrasts, they are not expected to be well discriminated by the regional geophysical data and thus are not included here; however, for detailed studies they will be useful.

## The Red Sea and continental margin

It is accepted that the narrow, central axial trough of the Red Sea is a sea-floor-spreading center associated with the separation of Arabia from Africa (Vine, 1966; McKenzie and others, 1970; Lowell and Genik, 1972; Girdler and Styles, 1974; Le Pichon and Francheteau, 1978). Axial magnetic anomalies indicate that new oceanic crust has been forming for

approximately the last 4 to 5 million years at a half-rate of about 1 cm per year (Vine, 1966; Phillips, 1970; Roeser, 1975; Noy, 1978; Hall, 1979/1980).

Most of the Red Sea "depression" is occupied by the "main trough" (Drake and Girdler, 1964). The axial trough-main trough boundary is not everywhere sharply distinguished, particularly in the northern Red Sea; south of lat 21° N., however, the eastern margin of the axial trough is generally a steep submarine escarpment, and the main trough to the east is predominantly above the 200-m bathymetric contour (Laughton, 1970). The seaward part of the main trough in this region will be referred to as the "shelf" and the landward part as the "coastal plain." The term "Red Sea rift" will be used only to indicate that part of the Red Sea structural depression floored mainly by sialic crust and formed prior to continental separation by sea-floor spreading.

Both late Proterozoic Shield rocks and younger, covering rocks of the Shield margin at the eastern edge of the coastal plain were invaded by closely spaced diabase dikes and then faulted into narrow, northwest-trending tectonic slices that were then rotated to westward dips. The number of dikes and the dike/host volume ratio both increase from east to west across the Shield margin; westernmost exposures consist entirely of sheeted dikes, pillow lavas, and volcaniclastic rocks. Masses of gabbro and granophyre or related rocks intrude the dike complex. The entire assemblage has close petrochemical affinities with oceanic tholeiite. Ghent and others (1980) and Blank (1977) considered the exposed western edge of the Shield to mark the oceanic-continental crustal boundary, principally on the basis of gravity data presented by Gettings (1977). These authors interpreted lateral offsets of the dike swarm as resulting from Tertiary transform faults. If this interpretation is correct, then the region west of the Shield margin in southwestern Saudi Arabia should be floored by mafic crust of Tertiary age and the total opening of the Red Sea at this latitude should exceed 350 km (as measured from the Arabian Shield margin to the western Red Sea shore at the northern tip of the Danakil in Ethiopia). Linear magnetic anomalies, which have been inferred to have resulted from sea-floor-spreading processes (Gettings, 1977; Hall and others, 1977; Hall, 1979/1980; Blank and others, 1981), substantiate the Tertiary age and the amount of total opening at this latitude.

The objective of the present study was to produce an interpretation of the gravity anomaly map at a scale of 1:2,000,000, and as such, the 1:2,000,000-scale geologic map by U.S. Geological Survey and Arabian American Oil Company, (1963) was chosen as the primary geologic base. Because this map is a reconnaissance map, it does not include data from

much of the 1:100,000-scale geologic mapping carried out by the Saudi Arabian Deputy Ministry for Mineral Resources in recent years. In order to include the more recent information into the interpretation, the available lithostratigraphic compilations of the relevant areas (Riofinex Geologic Mission, 1979, 1980a, 1980b; Barnes and Johnson, 1980; Johnson and others, 1980) were utilized at a scale of 1:500,000 as underlays to the gravity map. These maps incorporate most of the 1:100,000-scale and 1:250,000-scale geologic mapping and because of their emphasis on lithology, they are ideal for the interpretive work. A generalized geologic map at 1:2,000,000 scale (plate 1) incorporating some of the data from the recent mapping program is shown for reference. After terrain corrections and isostatic reductions have been carried out to produce final gravity maps, the lithostratigraphic maps will form the basis for detailed upper crustal structural modeling of the resulting gravity anomalies.

## GRAVITY SURVEY DESCRIPTION

### Field procedures

The gravity data discussed in this report is comprised of six separate surveys (fig. 1, table 1) covering approximately 202,100 km2 and including a total of 2,273 gravity stations. The surveys were completed on a nominal 10-km station spacing on a square grid, with the exception of the stations around Jiddah, where spacing was 2 km (area 6, fig. 1).

Transport was generally by helicopter, and normally station loops were tied to a gravity base station in the survey area within 3 hours. Except for areas 2 and 4 (fig. 1), gravimeters were carried in cases equipped with aircraft-type vibration isolation mounts to prevent excessive vibration-induced drift rates (Hamilton and Brule, 1967), and the entire case was set on a foam rubber pad about 10 cm thick. This arrangement provided necessary isolation of the gravity meter from both the high- and low-frequency vibrations of the helicopter. LaCoste-Romberg* geodetic series gravimeters were used throughout the surveys with satisfactory results. LaCoste-Romberg gravimeters G-168, G-232, G-262, G-328, and G-330 were used in the six surveys.

Field operations were typically initiated by preflight layout of a 10-km grid on 1:50,000-scale photomosaics. Locations that appeared to be suitable for landing and that were uniquely identifiable from the air were selected on or

*Mention of specific trade names or products in this report does not imply an endorsement by the U.S. Geological Survey.

Table 1.--Summary statistics for the gravity surveys used in compilation of the Bouguer gravity anomaly map of southwestern Saudi Arabia

[Survey area numbers refer to fig. 1]

| Survey area | Survey name | Number of stations | Area ($km^2$) | Area per station ($km^2$) | Nominal spacing (kilometers) | Date of survey (month/year) | Surveyor |
|---|---|---|---|---|---|---|---|
| 1 | Asir-Farasan | 148 | 18,210 | 123.0 | 11.1 | 10-11/1974 | USGS |
| 2 | Bishah-Ad Darb I | 297 | 38,952 | 131.2 | 11.5 | 12/1976 | USGS |
| 3 | Bishah-Ad Darb II | 450 | 39,449 | 87.7 | 9.4 | 5-8/1977 | USGS |
| 4 | Bishah-Al Amar | 868 | 65,299 | 75.2 | 8.7 | 4-5/1975 | ARGAS*(under contract to USGS) |
| 5 | Jiddah-Al Qunfudhah | 293 | 39,431 | 134.6 | 11.6 | 11-12/1977 | USGS |
| 6 | Jiddah | 217 | 744 | 3.4 | 1.8 | 1-5/1977 | USGS |
| | Total (1-6) | 2,273 | 202,085 | 88.9 | 9.4 | | |

*Arabian Geophysical and Surveying Company.

near the grid intersections. Gravity measurements were made in sequences of square cells of nine stations each. A pair of base station altimeters (Wallace and Tiernan precision surveying type or equivalent) and an observer were set up in the center of the cell, an altimetric tie (usually 20 km away to the nearest station of the previous cell) was made, and measurements at the remaining eight stations of the cell were then made by using one of the LaCoste-Romberg geodetic gravimeters and a pair of roving altimeters. By using this method, altimetric observations (including the altimetric tie for the cell) were always within two grid intervals or less of the altimeter base that was monitoring pressure changes. Insofar as possible, each of the roving altimeters was matched with one of the base altimeters, a process that improved the accuracy of the altimetric elevations. In order to minimize altitude errors resulting from large altitude differences within the survey network, survey areas (fig. 1) were chosen that used the Hijaz-Asir escarpment as boundary; thus each area was either on the high plateau east of the escarpment or in the coastal plain and foothill area west of it.

The following recording method was used at each station. First, the station location was marked on aerial photographs or photomosaics. Next, the station number, gravimeter reading, altimeter readings, date, time, gravimeter internal temperature, and wet- and dry-bulb air temperatures (psychrometric readings) were recorded in a bound notebook. An oral description of the station, including quality of location (±50 m, ±100 m, and so forth) on the photographs, information necessary to relocate the station, and information necessary to calculate the local terrain correction for the station, was recorded on a portable tape recorder and later transcribed. Finally, a painted stone was placed at the position of the gravimeter observation and a photograph taken showing the surrounding area. Average elapsed time at each gravity station was about 4 minutes.

For convenience, temporary gravity base stations were generally established at or near helicopter refueling points, and base ties for all loops were made at these points. Temporary gravity base stations were tied to either the nearest gravity base station or to one of the stations of Flanigan and Akhrass (1972) with at least three separate loops. Usually the tie loops initiated and terminated on one of the temporary gravity base stations; in some cases, the loop initiated and terminated on the gravity base station.

## Base station network, calibration lines, and international ties

The Jiddah gravity base value is based on ties made by the author to International Gravity Standardization Network 1971 (Morelli and others, 1971) stations at Port Sudan, Khartoum, and Nairobi using LaCoste-Romberg gravimeters G-328, G-330, G-506, and G-511. In addition to the determination of the Jiddah gravity base value, the reduced values from these ties established calibration factors for all four gravimeters. A gravimeter calibration range was established along the highway from Jiddah to At Taif by using the meter factors and datum from the international ties.

The calibration range is composed of six gravity stations, starting at the Jiddah gravity base and ending at Al Hadda, a village on the top of the escarpment near At Taif. The stations are at approximately 100-mgal intervals, for a total calibration range of 500 mgal. This range gives a suitable meter calibration in the range of observed gravities recorded in these surveys for the gravity meters used. Each of the four gravimeters listed above were used to measure the gravity differences up and down the range five times, such that each station was measured a total of 40 times. The resulting data enabled a refined calculation of the calibration factors for all four gravimeters.

All 16 base stations in the base station network (fig. 2; table 2), including five stations of Flanigan and Akhrass (unpub. data), were assigned values according to ties made during the regional gravity surveys to Jiddah gravity base station. The original values of Flanigan and Akhrass were not used because the gravimeters used in that study were not calibrated and their values were on the 1930 Potsdam datum. Gravity meter G-330 was used to establish all the base stations in the network, and calibration information for G-330, determined as described above, was incorporated in the network adjustments to yield the final base values.

All possible paths to any given station (fig. 2) were used in the calculation of the observed gravity values at the 16 base stations for the regional gravity surveys. The final gravity difference was then computed relative to the Jiddah gravity base station value by using a weighted average of the gravity differences for the various paths. A weight of from one to four was assigned to each path; this weight is inversely proportional to the uncertainties in the measured gravity difference for each path. The uncertainty for each path was computed from the misclosures along each path. Thus

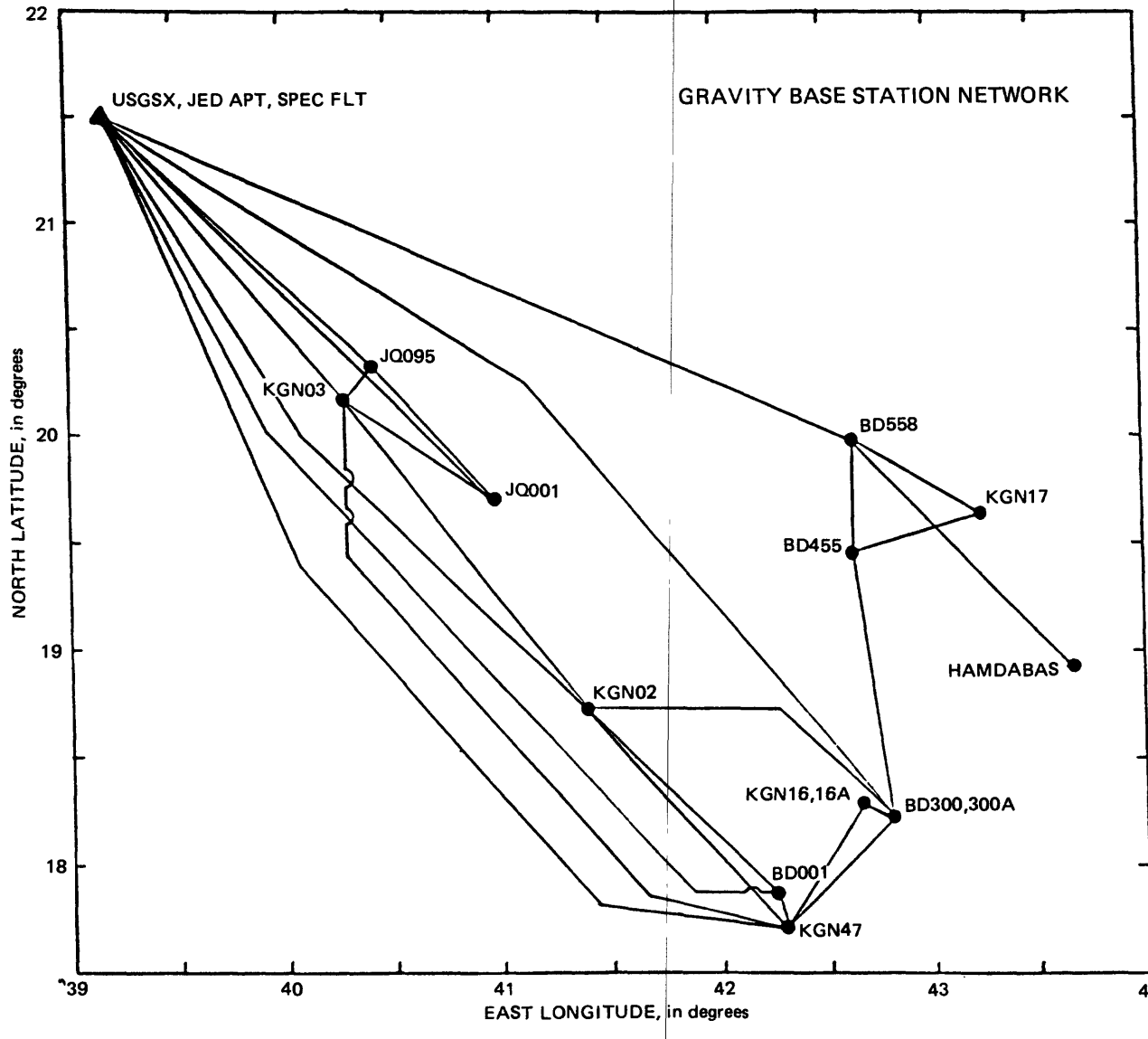


Figure 2.--Diagram showing the names and tie legs of the gravity base station network used for the six surveys. All stations are tied to Jiddah temporary gravity base station "USGSX".

the base station gravity values represent an internally consistent network-adjusted average. The average uncertainty in observed gravity values for the base station network relative to the Jiddah IGSN71 value is ±0.03 mgal (table 2).

## Data reduction procedures

The altimeter data were reduced by using standard procedures (Wallace and Tiernan, undated) and a set of programs (Donzeau, 1979/1980; Gettings, 1979/1980) that utilized a Hewlett-Packard HP-9830A programmable desk calculator. Absolute values for the various loops are based on sea level and known altitudes at the Kingdom Geodetic Netpoints, as well as some altitudes along the Jizan-Ad Darb highway. The results of the altimetric work are quite consistent, and most altitudes are probably within ±3 m of their correct value.

Offshore stations on islands are all at or near sea level (high tide), and the uncertainties in their altitudes result only from the accuracy with which one can pick the high tide marks. In most cases the uncertainty is estimated to be about 0.5 m.

Latitudes and longitudes for the onshore stations were measured by using the latitude-longitude grid on the semicontrolled photomosaics. Because the uncertainty in this grid is unknown, the stated uncertainty in any location reflects only the uncertainty in finding and identifying the exact station location on the photomosaic. For most stations, this was about 50 m. A comparison of Landsat images and the available 1:500,000-scale maps shows considerable error in the location and orientation of some of the offshore stations. For this reason a new latitude-longitude grid, constructed on a Landsat photomosaic by using known positions on the coast, was used for latitude-longitude determinations for the offshore stations. Because of the uncertainty in this process, a uniform 0.5-minute (approximately 1 km) location uncertainty was assigned to all island stations.

The total gravity data set was reduced by using a PDP 11/45 computer at the Directorate General of Mineral Resources (DGMR), Jiddah, and utilizing standard reduction formulae. The data reduction system was composed of four main programs, which computed the observed gravity, gravity principal facts, and estimates of the uncertainty in the computed anomaly values at each station. The formulae used to reduce the gravity data are summarized in table 3.

Observed gravity values were corrected for theoretical earth-tide variations according to the formulae of Longman (1959) and for instrumental drift by assuming a piecewise-

Table 2.--Principal facts for the gravity base station network used in the six surveys of this report

| Station name | North latitude (degrees, minutes) | East longitude (degrees, minutes) | Elevation (meters) | Observed gravity (milligals) | Standard deviation (milligals) |
|---|---|---|---|---|---|
| USGSX | 21°31.416' | 39°10.593' | 5.61 | 978739.000 | 0.020 |
| JED APT | 21°30.129' | 39°12.343' | 15.24 | 978741.035 | .034 |
| SPEC FLT | 21°29.417' | 39°12.672' | 15.0 | 978740.935 | .034 |
| BD001 | 17°52.32' | 42°15.17 | 154.1 | 978425.256 | .024 |
| BD300 | 18°14.38' | 42°49.20' | 2048.7 | 977981.830 | .024 |
| BD300A | 18°14.38' | 42°49.20 | 2048.7 | 977981.830 | .024 |
| BD455 | 19°26.63' | 42°38.49' | 1562.3 | 978175.810 | .022 |
| BD558 | 19°58.04' | 42°38.45' | 1169.6 | 978276.794 | .022 |
| HAMDABAS | 18°54.71' | 43°41.20' | 1352.0 | 978175.187 | .024 |
| JQ001 | 19°41.59' | 40°58.81' | 75.5 | 978586.431 | .045 |
| JQ095 | 20°18.68' | 40°24.86' | 91.8 | 978616.374 | .024 |
| KGN02 | 18°43.86' | 41°24.33 | 46.97 | 978559.082 | .035 |
| KGN03 | 20°09.33' | 40°17.11' | 8.25 | 978681.028 | .034 |
| KGN16 | 18°17.58' | 42°40.30' | 2112.41 | 978002.257 | .028 |
| KGN16A | 18°17.58' | 42°40.30' | 2113.1 | 978002.130 | .021 |
| KGN17 | 19°38.12' | 43°15.27' | 1232.40 | 978259.856 | .022 |
| KGN47 | 17°41.67' | 42°17.60' | 135.60 | 978485.356 | .030 |

Table 3.—Formulae used to compute the simple (not terrain-corrected) Bouguer gravity anomaly values

[Gravity values are in milligals, altitude h is in meters, and latitude $\Phi$ is in degrees. OG is observed gravity at the station]

| Step | Task | Formula | Constants |
|---|---|---|---|
| 1 | Compute theoretical gravity | $THG=978031.846[(1+K \sin^2\Phi)/(1-e^2\sin^2\Phi)]^{1/2}$ | K=1.9316633821E-3<br>$e^2$=6.694605329E-3 |
| 2 | Compute free air gravity anomaly | $FAA=(OG-THG)+(a_1-a_2 \sin^2 \Phi)h-a_3h^2$ | a =0.20877785<br>a =4.520636E-4<br>a =7.21E-8 |
| 3 | Compute simple Bouguer gravity anomaly | SBA=FAA-(4.19094E-2)Dh | D=2.67 g-cm$^{-3}$<br>(reduction density) |

linear drift curve. This drift curve was determined internally by the computer program after tidal corrections were applied that used all available reoccupations of stations. Total gravimeter drifts for these surveys are given in table 4. The average gravimeter drift for all surveys and all meters (weighted by total survey time) was 0.044 mgal per day. Except for undetected errors, all observed gravities are within ±0.15 mgal of their true values with respect to stations of the base network.

During the surveys, each survey area was tied to any existing surveys that bordered it. The only large discrepancy detected was between survey areas 3 and 4 (fig. 1). The results of the reoccupation of eight stations of area 4 during the surveying of area 3 are shown in figure 3.

The mean discrepancy for this tie (area 3 value minus area 4 value) is 0.066 mgal with a standard deviation of ±6.7 mgal, a maximum discrepancy of 12.56 mgal, and a minimum discrepancy of -12.05 mgal. The near-zero mean discrepancy implies that both surveys are on the same datum and the distribution of values on figure 3 suggests that the errors are random and thus are probably errors in gravimeter readings. Because the field procedures employed in the data collection for area 4 are known to be faulty (Gettings, internal USGS memorandum, 1975), the errors have been attributed to the area 4 data. The large standard deviation of ±6.7 mgal for the discrepancies suggests that the data are unreliable at a 5-mgal contour interval, and anomalies in area 4 that have amplitudes of less than 20 mgal, particularly those defined by only one or two stations, must be regarded with considerable skepticism.

The error analysis uses a standard propagation of errors approach (Bevington, 1969, p. 56) to estimate the probable standard deviation of the Bouguer gravity anomaly value based on the standard deviation estimates of its parameters. The average standard deviation for the simple Bouguer gravity anomaly was 0.53 mgal for these surveys.

The final step in the data reduction was to plot the station locations at a scale of 1:500,000 by using a digital plotter in conjunction with the computer. The simple Bouguer gravity anomaly values were then hand contoured on this base. The resulting map is shown in plate 2 at a scale of 1:2,000,000, and the principal facts for all stations used in this compilation are given in appendix 1. Data for 77 stations in area 4 for which no altitudes were obtained were omitted from the appendix.

Table 4.--Summary of gravimeter drifts for the six survey areas

[Survey area numbers refer to fig. 1. Note the large drift rates for survey areas 2 and 4, where survey work was completed without use of aircraft antivibration mounts to isolate gravimeters from helicopter vibrations. Drift values for area 4 are minimum value estimates]

| Survey area | Survey name | Gravimeter number | Survey period (number of day/year) | Total survey time (days) | Cumulative drift (milligals) | Mean drift rate (milligals/day) |
|---|---|---|---|---|---|---|
| 1 | Asir-Farasan | G-168 | 295/1974 to 328/1974 | 34 | 1.22 | 0.036 |
| 2 | Bishah-Ad Darb I | G-330 | 343/1976 to 361/1976 | 18.3 | 3.445 | .188 |
| 3 | Bishah-Ad Darb II | G-330 | 120/1977 to 226/1977 | 106.4 | 2.365 | .022 |
| 4 | Bishah-Al Amar | G-232 | 120/1975 to 138/1975 | 19 | 2.61 | .14 |
| | | G-262 | 92/1975 to 110/1975 | 19 | 1.86 | .10 |
| 5 | Jiddah-Al Qunfudhah | G-330 | 333/1977 to 1/1978 | 33.2 | 0.574 | .017 |
| 6 | Jiddah | G-328 | 121/1977 to 126/1977 | 6.0 | .39 | .065 |
| | | G-330 | 023/1977 to 118/1977 | 96.0 | 2.23 | .023 |
| | | | | Total = 331.9 | Weighted mean = 0.044 | |

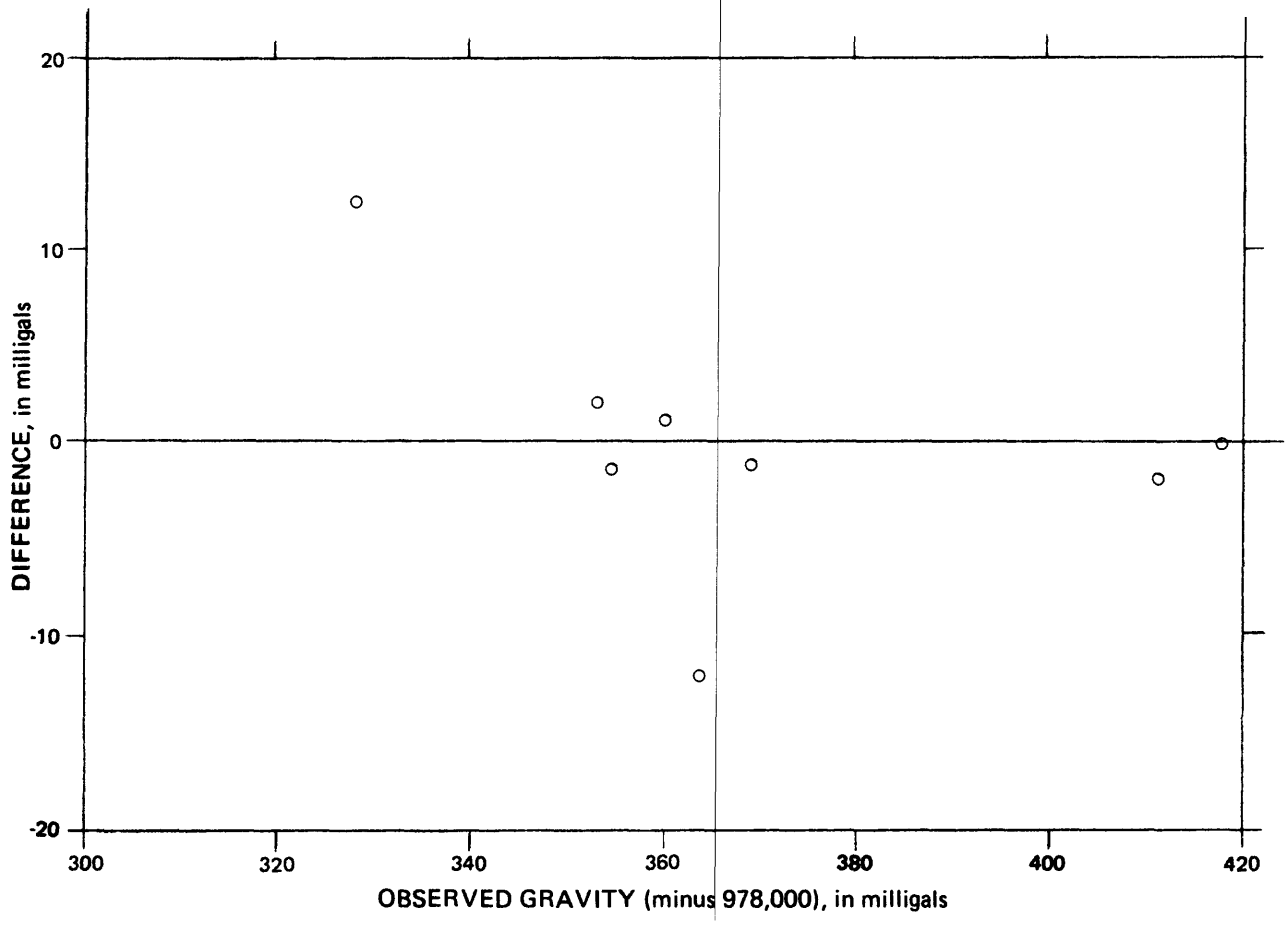


Figure 3.--Graph showing differences in observed gravity for eight stations of survey area 4 that were reoccupied during surveying of area 3. "Difference" is observed gravity as measured in survey 3 minus observed gravity as measured in survey 4. See text for details.

## SIMPLE BOUGUER GRAVITY ANOMALY MAP

### Gravity anomaly definition

In any process in which a continuous field is sampled discretely, uncertainty is introduced into the field representation because of the lack of information on field variation between sample points. In potential field studies, the usual practice is to represent the field by the smoothest surface, according to some criteria such as minimum surface curvature that fits the observed samples exactly. This technique results in a representation that in some sense is an average of all possible actual field surfaces and generally the best that one can do under the circumstances. Any such field representation is subject to errors in its definition of variations from two sources, one direct and one indirect.

First, the location and amplitude of anomaly maxima, minima, and gradients are affected directly by the probability of a sample point falling on a maximum, a minimum, or the defining points of a gradient. This probability distribution is essentially random for a regional-scale survey such as the one described in this report because the distribution of rock units, to first order, is independent of the regular station network used to sample the gravity field. Therefore, observed anomaly amplitudes and gradients are always lower bounds to the true amplitudes and gradients; that is, the field representation is always smoother than the true field. Thus, in gravity surveys, inferred mass excesses or deficiencies are always too small and inferred depths to sources are usually too deep. Furthermore, the horizontal locations of both the center of mass and the contacts of the anomaly source will be in error because of the lack of precise knowledge of the map location of anomaly maxima, minima, and steepest gradients. If the horizontal dimensions of a source are large relative to the intervals between stations (several station spacings or more), then the approximations are good and the errors described above are minimized. However, if the source dimensions are comparable to or less than the station spacing, then the ability to resolve anomalies is lost, and, in fact, measured field values can be considered random. This latter case is the source of the indirect error in anomaly definition.

Finite station spacing is a form of low-pass filtering and, as does any such filter, introduces noise into the field representation (Gibbs phenomenon). This random noise element results in an uncertainty in the absolute value of the anomalous gravity field at any point on the map. The amount of this uncertainty is a function of the size, distribution, and average density contrast of small sources relative to the station spacing. However, because the sources are random and

represent either mass deficiencies or excesses (assuming an average density was used in data reduction), the uncertainty of the field value due to the random-noise effect averages zero and levels for larger anomalies will be well defined if they are based on several points rather than only one.

The effects of finite sample spacing on anomaly definition are illustrated in figure 4, which is a profile from the simple Bouguer gravity anomaly map. The profile has been digitized at a 1-km interval and sampled twice at a 20-km interval. In the first sampling, the sample comb starts at 1 km from the origin on the data profile and in the second at 10 km. The shapes, locations, amplitudes, and even the signs of the narrower anomalies (half-wavelengths of approximately 20 km or less) are severely affected by the sampling process. Note, for example, that the amplitude of the large anomaly located at approximately 680 km from the origin along the profile changes by about 50 percent for the two samplings. On the other hand, anomalies of larger horizontal extent are well reproduced by both samples.

For the gravity surveys described in this report, the sample interval was 10 km on a square grid; therefore, bodies having a plan extent of about 10 km or less are undefined by the survey work. The choice of interval was based on an assumed map scale for regional interpretation of 1:500,000; at this scale a 10-km spacing provides an adequate sample of all the major geologic bodies. For bodies of approximately 10 km diameter or larger in this environment (that is, metamorphic-igneous terrane), we expect gravity anomalies to have maximum amplitude of 5-15 mgal; such amplitudes imply a "noise envelope" of 2-3 mgal for definition of larger spatial anomalies, unless large areas are available to average out the indirect effect. Thus features having characteristic horizontal dimensions of 30 km or larger will be well defined, features having dimensions of from 10 to 30 km will be only approximated, and those having dimensions of less than 10 km will be undefined.

## Gravity provinces

The most striking features of the simple Bouguer gravity anomaly map (plate 2) are the steep gradient approximately centered on the western outcrop edge of the Shield and the linear gravity high associated with positive Bouguer gravity anomaly values located along the coastal plain and eastern edge of the Red Sea shelf.

West of the steep gradient zone at the edge of the Shield, the anomalies are smooth and have long wavelengths, whereas to the east, in the Shield, the gravity

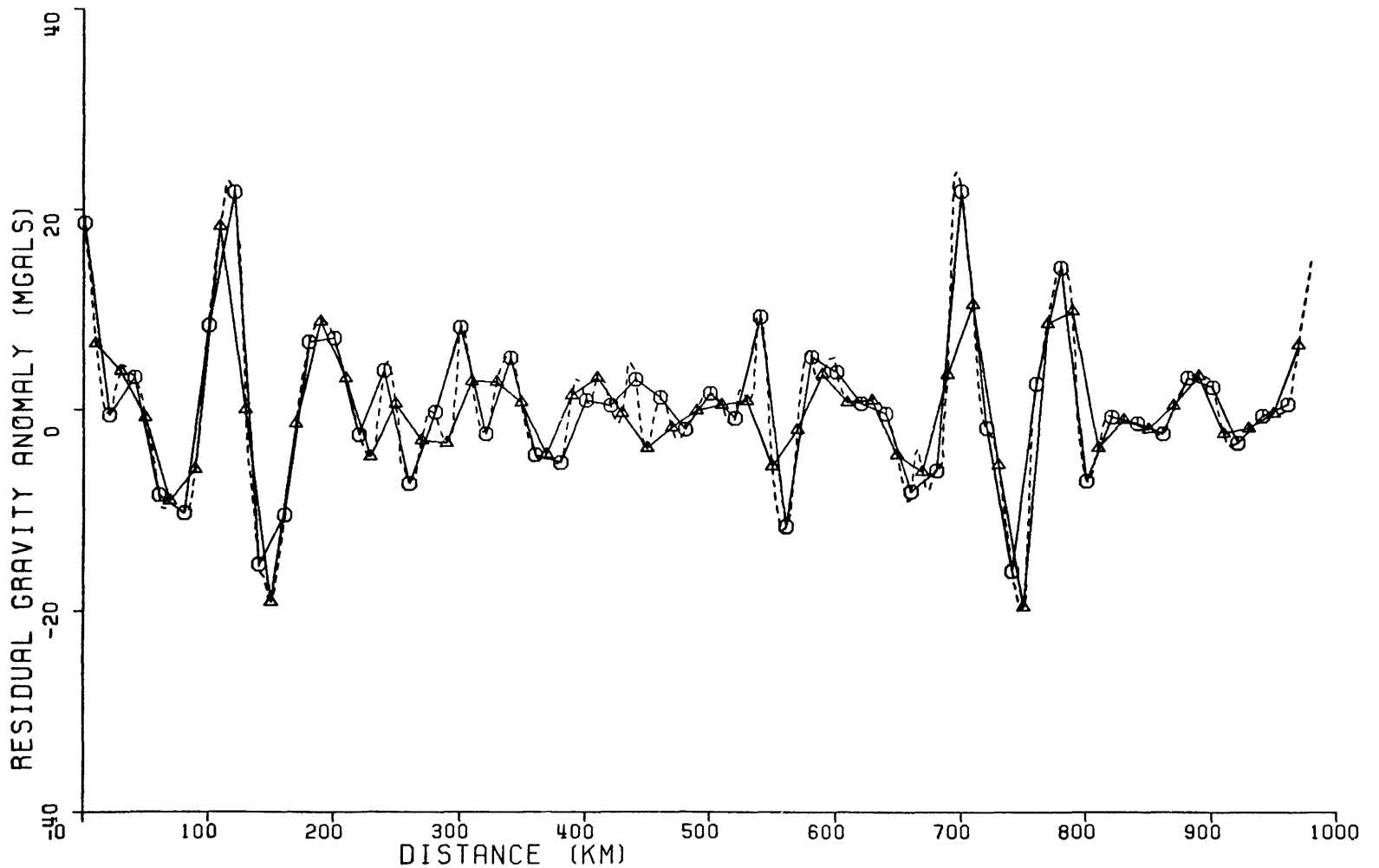


Figure 4.--Graph showing the effect of finite sample spacing on gravity anomaly definition. Observed data (dashed line) has been sampled twice at 20-km intervals, once starting 1 km from the origin (circular symbols) and once starting 10 km from the origin (triangular symbols). Note displacement of anomaly extrema and variation in anomaly amplitude.

field is complex and is characterized by many small and intricate anomalies.

The lithologic boundary between Tertiary and Precambrian rocks is approximately at the halfway point on the gravity anomaly gradient, and the approximately antisymmetric gradient implies that the boundary dips steeply. Proceeding northeast from the boundary, the regional gravity anomaly pattern is broad and concave for about 400 km and has a minimum value of about -180 mgal. Northeast of approximately lat 21°30' N., long 43°30' E., the regional gravity anomaly begins to increase. The gradient is nearly linear on the average and has a value of approximately 0.13 mgal-km-1 between the Nabitah suture zone and the edge of the Shield.

The short-wavelength anomalies within the Shield generally have amplitudes of 50 mgal or less and correlate for the most part with rock units outlined by the surface geology.

Zones or provinces of similar elements of the gravity map can be defined by gravity field level changes and continuity of features. One such definition is shown in plate 3. Zone I of this map is characterized by a gradient that gently increases to the northeast over a wedge of Tertiary clastic sediments. South of lat 18° N., the maxima coincide with outcrops of Tertiary layered gabbros and diabase dike complexes that abut the westernmost exposures of Precambrian rocks.

Zone II is a steep gravity gradient that decreases to the northeast and is parallel to the Red Sea axis; the gradient exceeds 4 mgal-km$^{-1}$ in some places. Bouguer gravity anomaly field values decrease from positive in zone I to -100 mgal or more northeast of zone II. The boundary of the westernmost exposures of Precambrian rocks falls approximately along the center of zone II. The gradient of zone II is the gravity signature of a first-order structural boundary that dips steeply and evidently marks the transition from predominantly Red Sea oceanic crust in the southwest to Precambrian continental crust in the northeast (Gettings, 1977).

The areas labeled zone III on plate 3 correspond to highs or ridges in the gravity field that correlate with greenstone belts and gabbro and diorite intrusive rocks on the geologic map (plate 1). These zones trend mainly north and many are boundary zones between large batholithic complexes. Lithologically, the rocks in these zones include mafic metavolcanic and metasedimentary rocks, gabbro, and diorite. Some ultramafic rocks are in these zones, particularly in the easternmost north-trending zone III.

The areas labeled zone IV represent two linear gravity

highs that correspond to the northeast and southwest Najd fault zones (fig. 1 and plate 1). The exposed rocks in both these areas are mainly greenstone and greenschist of andesitic composition that have been intruded by gabbro and diorite. As discussed below, both of these zones are interpreted to be the loci of large-scale mafic intrusions of late Precambrian age, which used the Najd strike-slip fault system as conduits.

Areas labeled zone V are in the extreme northeastern part of the map area and are defined by large, asymmetric gravity highs. These areas are characteristic of steeply dipping structures and are always associated with large areas of gabbro, diorite, ultramafic rocks, greenstone, greenschist, and amphibolite. They include in part the Al Amar-Idsas suture zone of Schmidt and others (1979).

Zone VI is defined by broad, smooth gravity lows (minima) located, for the most part, offshore in the Red Sea and subparallel to the coastline. The lows probably delineate anticlinal structures in the Tertiary sedimentary blanket caused by salt flowage in the thick evaporite sequence in these rocks (Gettings, 1977).

In the areas labeled zone VII are outcrops of predominantly granitic rocks that are both syn- and posttectonic in age. The Wadi Tarib batholithic complex (Stoeser and others, *in press*) in the southeastern part of the map is perhaps the best defined example of such rocks. In contrast, the An Nimas batholith to the northeast (across the zone III ridge) is not well defined by the gravity field.

## Alignments

Important alignments of gravity anomaly maxima, minima, or combinations of both are shown on plate 3 as dashed lines. These alignments help delineate axes of intrusive or tectonic activity and thus provide indications of the direction of the major regional structural elements. The dominant alignment directions appear to be north-south and northwest-southeast (Najd faulting direction), with subordinate northeast-southwest alignments and a few east-west alignments.

Many of the north-south alignments appear to be offset in a left-lateral sense, although the trend of the offsetting feature does not always appear to have a Najd direction. In fact, many of the offsets appear to be along east-trending structures rather than along northwest-trending structures. The dominant structural elements evidenced in the gravity field thus seem to be aligned along north and northwest-trending axes.

## Trends and lineaments

Plate 4 shows major trends of individual anomalies, which collectively represent a trend population for the map area. The criteria used to define these trends are midpoints of gradients; saddle points, particularly those along a trend defined elsewhere by gradients and that cause the diminuation of anomaly amplitude; and abrupt termination of anomalies.

Trends from the gravity map define boundaries between areas having different average bulk densities; these boundaries may represent either structural features such as faults or lithologic contacts.

There are four distinct sets of trends on the gravity anomaly map (plate 4): east-west, north-south, northeast, and northwest. The zones for each set are fairly narrowly defined, especially those for the north-south and east-west sets. The north-south and east-west sets seem to be the oldest because they are systematically interrupted or offset by the northeast- and northwest-trending sets. The northwest set is probably associated with the late Precambrian Najd tectonic event because of both its direction and its coincidence with mapped Najd faults; the northeast set is presumably the signature of a conjugate set of fractures that developed at the same time.

The age relationship between the east-west and north-south trend sets is unclear. Both interupt and sometimes apparently offset each other. The east-west set has the least expression in the mapped geology and thus may reflect deeper crustal structures. The outcrop patterns of the large batholithic complexes appear to be influenced by both trend sets and suggest that these trend sets may reflect old, deep-seated fracture systems.

## Comparison of gravity and aeromagnetic trends

Trends on the 1:2,000,000-scale total-intensity aeromagnetic field map (Andreasen and others, 1980) have been drawn by using the same criteria as for those on the gravity anomaly map; the resulting trend map is shown as plate 5. At this magnetic latitude, the gradients in the total-intensity field in the magnetic east-west direction generally fall somewhere over the anomalous body rather than at its boundaries, whereas the gradients in the north-south direction delineate the boundaries. We thus expect that in cases of east-west trending structures the actual boundaries marking changes in bulk magnetization will be offset but parallel with the aeromagnetic trends drawn on the map. This effect must be borne in mind when correlating the aeromagnetic trend

map with the gravity trend map.

Trends on the aeromagnetic map (plate 5) fall into the same four groups as those on the gravity anomaly map (plate 4) and generally correlate well with them; however, many more trend lines can be defined on the aeromagnetic map because of the much higher data density and consequent increase in detail of the map. The same relationships between the trend sets outlined for trends of the gravity map apply to the trend sets of the aeromagnetic map; that is, the northeast and northwest sets appear to be the youngest and the north-south and east-west sets the oldest. In addition, curvilinear trends in the southern half of the aeromagnetic map define roughly circular zones, 50-100 km in diameter, that for the most part correlate with the large granitic batholiths. These areas appear as circular zones on the map and have magnetic responses that are low on average; that is, they represent a magnetic "quiet zone." These circular trend features are interpreted as the boundaries of batholithic-sized zones of repeated granitic intrusive activity in the upper crust that has lowered the average bulk magnetization of the zone.

## DISCUSSION

### Regional characteristics

In order to investigate the long-wavelength features of the gravity anomaly field, a gravity anomaly profile (fig. 5) was constructed between shot points of the seismic refraction line (Healy and others, 1982/1983). This profile was modeled by using two separate techniques. In the first technique, no regional-residual separation was effected and the profile was modeled in total (except for local anomalies attributable to exposed lithologic units or compact crustal sources) by using the seismic refraction crustal section as a starting point. In the second technique, gravity anomalies having half-wavelengths of more than 50 km were separated out by a Fourier-series filter into a regional (curve B) and a residual (curve C) curve. Both techniques converged on the same general crustal and upper mantle model. The model (D) shown in figure 5 is internally consistent in that it not only fits the gravity data but is also compatible with the constraints imposed by the seismic refraction data (Healy and others, 1982/1983) heat-flow data (Gettings, 1982), isostatic considerations, and Rayleigh wave-phase velocity studies (Knopoff and Fouda, 1975).

The model portrays a continental crust of average thickness that contains variations in bulk composition on a regional scale in both the upper and lower crusts and that

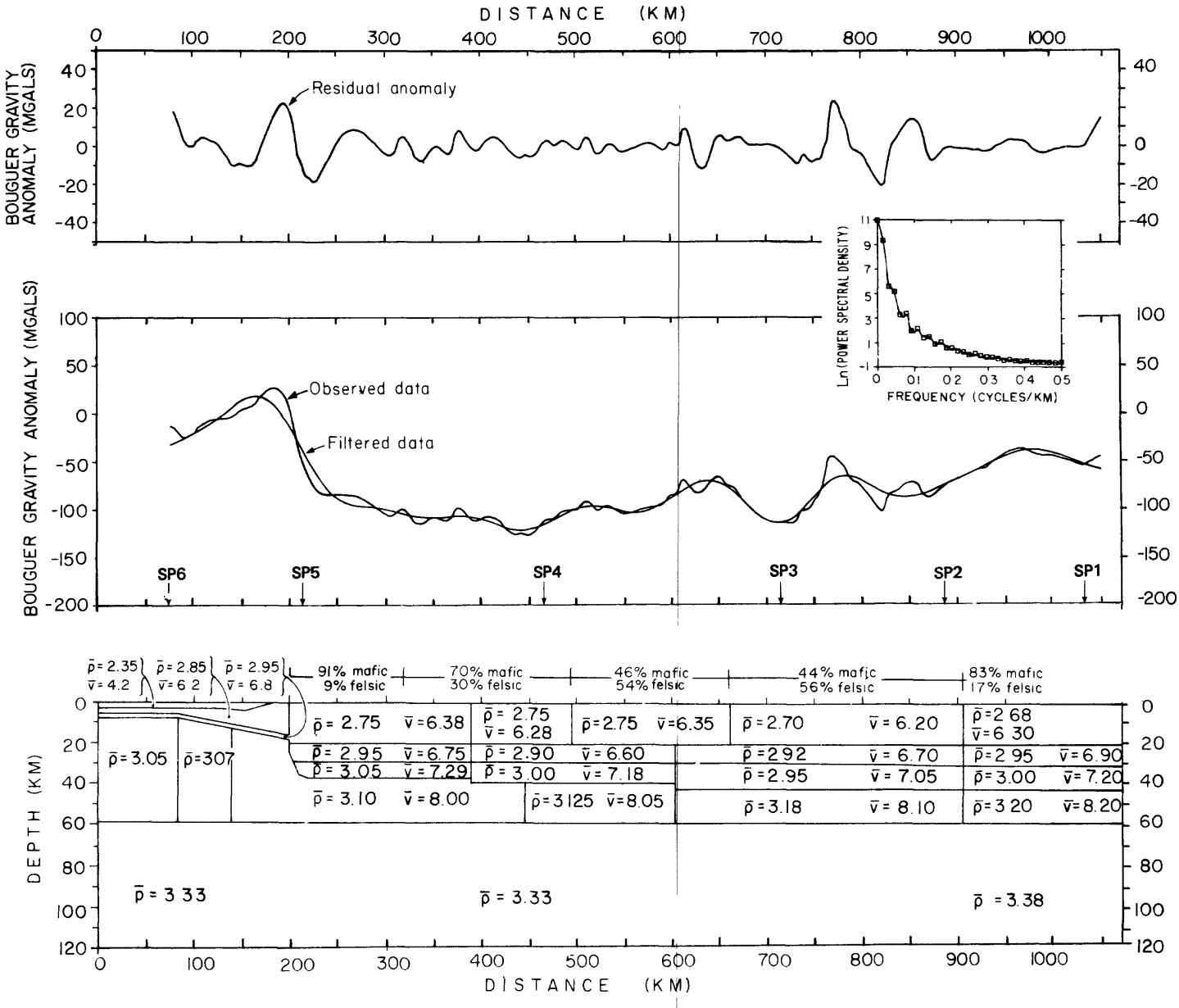


Figure 5.--Graphs showing (A) observed Bouguer gravity anomaly profile taken along straight-line segments between shot points of the seismic refraction line; (B) 50-km-cutoff Fourier filter of the profile; (C) residual gravity anomaly profile; and (D) crustal section derived from modeling of seismic refraction and gravity data. Inset shows a power-spectral density estimate for the observed profile data. The Fourier filtering at this cutoff wavelength approximately separates the gravity anomaly into components resulting from upper and lower crustal sources. Velocities ( ) are average compressional wave velocities in kilometers per second, and average densities ( ) are in grams per cubic centimeter. Mafic and felsic proportions are computed from the trace of the profile on the geologic map according to the geologic units crossed. See text for details.

has been uplifted regionally in the southwest relative to the northeast (on the order of 5 km vertically over a horizontal distance of about 1,200 km). A convecting upper mantle in which hot material upwells beneath the Red Sea axis and spreads laterally to the northeast beneath the Arabian Peninsula is hypothesized as the mechanism of uplift.

Gravity modeling of this profile (Gettings, 1977; Gettings and Blank, unpublished data) indicates that the density of the crust southwest of the Precambrian shield boundary is characteristic of oceanic crust. Both the broad, concave regional pattern of the gravity anomaly profile from shot point 5 to the Nabitah zone and the linearly increasing gravity anomaly gradient to the northeast require that the average density of the entire crust southwest of the Nabitah zone be somewhat higher than that to the northeast. This relationship is consistent with the conclusion of Schmidt and others (1979), who interpreted the crust of the Shield southwest of the Nabitah zone to be more mafic in composition than that northeast of the zone.

To derive the model shown in figure 5, a somewhat generalized version of the crustal section from Healy and others (1982/1981) was used as a starting model. The average velocities from the refraction section were used to estimate starting density values for the model by using both published velocity-density relations (Nafe and Drake, 1968) and the likely gross lithologic composition of the block (mainly from Schmidt and others, 1979) to select the appropriate velocity-density curve. Because of the good correlation between the velocity-depth functions southwest of 600 km (fig. 5) and the measured velocity data for the Ivrea Zone (Fountain, 1976), the Ivrea zone velocity-density data were given extra weight. Even so, the assigned density for a given velocity to a block is uncertain by about $\pm 0.12$ g-cm$^{-3}$; as a result, we can adjust densities within this range to fit the obsered gravity field and still have a valid model constrained by both the gravity and seismic refraction data.

A computer program that utilized a standard two-dimensional polygonal model formulation (Talwani and others, 1959) was used to calculate the gravity models, and the resulting best-density model after about 20 adjustments is shown on figure 5. Because the density contrast is the actual parameter in this work, all density values on figure 5 can be increased or decreased by a constant amount if desired. The gravity model calculations are then compared with the observed profile data in figure 6. In order to fit the northeastward-trending regional increase in the gravity field and keep the density values of the section reasonable, it was necessary to add a component from the deep lithosphere (59-115 km depth) that has a density contrast increasing to

the northeast. This addition was accomplished by computing the effect (fig. 6) of a rectangular prism whose density increased linearly to the northeast. A total density contrast of about 0.05 g-cm$^{-3}$ between the Nabitah zone and the northeastern end of the profile (fig. 5) was used. In order to eliminate edge effects, the gravity model was extended 10,000 km to the northeast and the entire model reflected about the origin. The resulting model yields a good fit to the gravity profile if one ignores the local anomalies, which are attributable to upper crustal sources and correlate for the most part with surface geology. The discrepancy at the origin of the model can be accounted for by including the gravity effect of the average water depths in this part of the Red Sea; this effect was not included in the model because detailed gravity data were not available to extend the profile. The northeastward increase in density contrast in the lower lithosphere is interpreted to represent the thermal regime in the mantle associated with the Red Sea sea-floor spreading system, that is, hot, less dense aesthenosphere material upwelling along the Red Sea axis and flowing and cooling laterally beneath the Arabian plate. Analysis of the available heat-flow data supports this hypothesis (Gettings, 1982). The increased density of the lowermost crust between 200 and 400 km along the profile (fig. 5) is inferred to be result of intrusive activity that must have accompanied continental rifting.

None of the interpretations of the seismic refraction data to date (Healy and others, 1982/1983) show the thickest crust coincident with the area of greatest topographic relief; models that feature a thickened crust between shot points 5 and 4 all show the thickest crust displaced by varying amounts (as much as 200 km) to the east of the topographic maximum. Such a displacement implies a less dense upper mantle toward the west, at least from Bishah southwestward, if isostatic equilibrium is to be maintained. The more mafic character of the crust from the Nabitah suture zone westward (Schmidt and others, 1979) somewhat but not entirely offsets the need for a less dense lithosphere. The seismic observations are in agreement with the peculiar shape of the regional gravity profile described above. The gravity relations, as constrained by isostasy, seismic refraction, and geologic considerations, require both a more dense crust west of the Nabitah zone and a less dense upper mantle, a relationship which is in agreement with intuitive models of an aesthenosphere convective system that one might expect to be associated with the Red Sea spreading system. If the minimum mantle flow rates are comparable with the Red Sea sea-floor-spreading rates and if mantle flow has occurred throughout the Tertiary, then most of the lithosphere beneath the profile will have experienced some degree of heating and uplift, as is now observed.

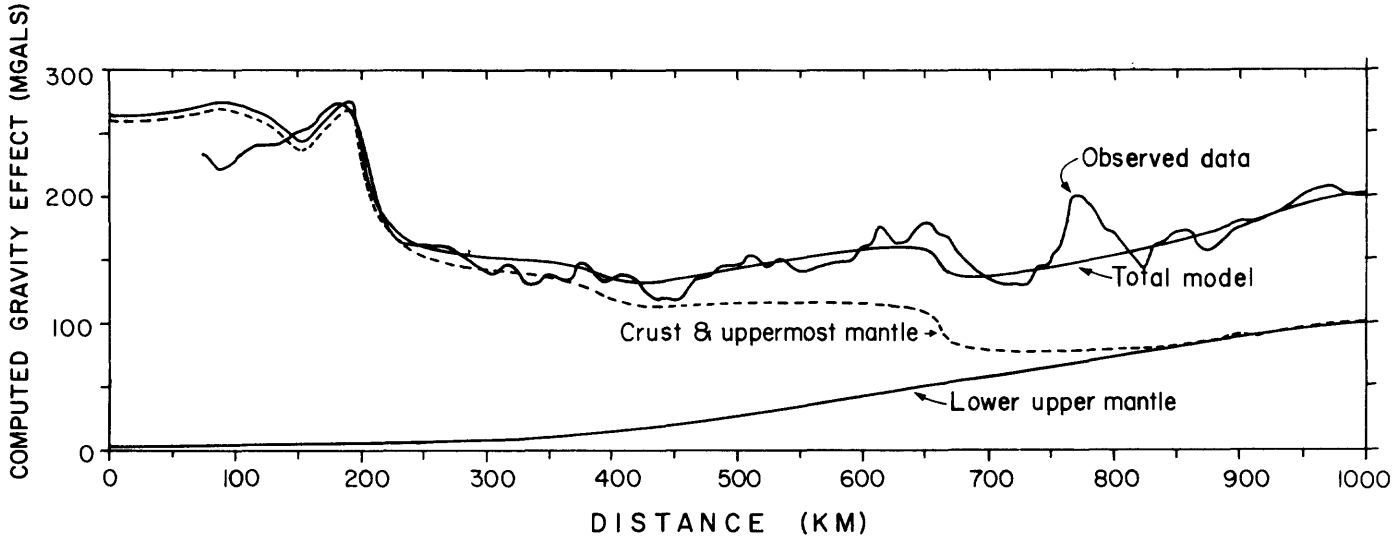


Figure 6.--Graph showing a comparison between the computed gravity effect of the model (fig. 5) and the observed data. See text for details.

In a second interpretation of the Bouguer gravity anomaly profile, a low-pass filter was applied to the profile digitized at 1-km intervals, in an attempt to separate upper crustal sources from deeper sources. The filtering was accomplished in the frequency domain by using a modified Hamming window after linear detrending of the profile and subtraction of the mean value. Filtering the profile at half-wavelengths of 5 and 10 km yields results identical to the data profile, a gratifying result considering that the gravity data were collected at an average spacing of 10 km. A 50-km half-wavelength filter was selected because a half-wavelength of 50 km yields a depth of 15 km or greater to a compact source such that the filtered profile represents mainly sources below the upper crust.

The residual from the 50-km half-wavelength filter correlates very well with the surface geology and gives reasonable anomaly amplitudes; thus, this filter was accepted as giving a good separation between deep and shallow sources of the gravity anomalies. Although it was recognized that distributed density changes in the upper crust would give longer wavelength components to the spectrum of the gravity field as well as deeper sources, there is no reason to suspect such a density distribution from observations based on geologic mapping. The upper crust is therefore regarded as being composed of distinct lithologic units having sharp boundaries, and the longer wavelength components of the anomalous gravity field were attributed to mass variations at depth.

In this model (fig. 5), the boundaries that mark the top of the lower crust and divide it into two units continue across the Shield at a constant depth of about 21 km, even though the velocities, densities, and magnetizations vary laterally by significant amounts. This relation is interpreted as a zonation of metamorphic grades, increasing with depth, across the entire Shield. Such a zonation implies that the lateral variation of physical properties in the lower crust represents variations in average bulk composition. Southwest of the Nabitah zone, where the velocity-depth function (Healy and others, 1982/1983) is in good agreement with that inferred for the Ivrea zone (Fountain, 1976), the bulk composition of the lower crust is inferred to be more mafic than that northeast of the Nabitah zone. The approximate thickness of 10 km and average velocity of 7.1-7.3 km-s$^{-1}$ of the lowermost crustal zone in the model agrees very well with the thickness and mean velocity of the granulite facies rocks in the Ivrea zone. Northeast of the Nabitah zone, the systematically lower velocities and inferred densities are interpreted to indicate a more felsic bulk composition in both the upper and lower parts of the lower crust. In the extreme northeast, across the major lateral crustal discontinuity that marks the boundary between

continental blocks, the lower crustal composition is probably again more mafic.

In summary, the model of the lower crust of southwestern Saudi Arabia is closely comparable with that of the Ivrea zone (Fountain, 1976) and is one in which lateral variations in bulk composition have been overprinted by metamorphism. Metamorphic grade decreases upward, and, in the zone of the steepest velocity and density gradients, between the base of the crust and about 29 km depth, the rocks are inferred to be in the granulite facies; between 19 and 21 km depth (the top of the lower crust), the rocks are inferred to be in the amphibolite facies.

## Other correlations between surface geology and gravity

In addition to the relationships already described between the mapped surface geology and the Bouguer gravity anomaly field, several other correlations are notable from a comparison of the two maps at 1:500,000 and 1:2,000,000-scales. These relate mainly to individual, local anomalies, that is, to those having dimensions on the order of 30 km, rather than to the belts or zones previously discussed.

The local anomalies generally have amplitudes of 5-15 mgal and many are superposed on or form part of a larger gravity belt or zone. Within these constraints and allowing for the smoothing of the shape of the local anomalies resulting from the broad station spacing, local gravity highs correlate well with exposed gabbro, diorite, tonalite, and ultramafic and amphibolitic rocks. Conversely, the lowest 5-15 mgal of the relative minima of the gravity anomaly field correlate well with granite, granodiorite, and quartz monzonite, which occur both as intrusive bodies and as gneissic equivalents.

In several places where local gravity highs coincide with areas of greenstone or greenschist, the 1:500,000-scale lithostratigraphic maps reveal small exposures of diorite and (or) gabbro, a correlation that suggests that the actual anomaly source may be larger volumes of diorite or gabbro at shallow depths.

The shape of local anomalies and thus their correlation with mapped geology are also affected by the longer wavelength regional variations that result from large-scale changes in the bulk composition and (or) structure of the crust and upper mantle. These variations distort the shape of the field, especially in the western third of the map area where the gravity effect of exposed intrusive bodies in the Shield appear only as small perturbations in the pronounced

gradient over the continental margin. The lack of terrain corrections also contributes noise to the overall expression of the map, particularly in the western third of the area.

In order to extract the maximum amount of upper crustal structural information from the gravity data, three additional processes should be carried out. First, terrain corrections should be applied to the data because the relief in about one third of the surveyed area is significant. Second, an isostatic correction, based on both the seismic refraction and gravity model studies, should be applied to remove the effects of the crustal component of the continental margin anomaly. Third, a regional-residual separation should be carried out on the resulting isostatic anomaly map to produce a final residual map over the Shield that will most accurately reflect upper crustal structure.

## Analysis of selected profiles

In order to further examine the major features of the Bouguer gravity anomaly map, 15 profiles were selected and plotted (fig. 7; profile locations on plate 2). Profiles 1-8 cross the boundary zone between crust of the Red Sea sea-floor spreading system and the Arabian Shield, and profiles 9-15 cross the major gravity features on the Shield itself.

Profiles 1-8 (fig. 7) show a northeastward increasing gravity anomaly that culminates in maxima of 0-50 mgal and is followed by a steep negative horizontal gradient of about 3.25 mgal-km$^{-1}$. The anomaly decreases to about -120 mgal in a horizontal distance of about 40 km across a zone that is centered over the western edge of exposed Precambrian rocks. Farther northeast, the gravity profiles show relief of about +40 mgal that can generally be correlated with the surface lithologic variations of the Shield. The shapes and amplitudes of these profiles suggest a source that is at or near the surface. The decrease in the gravity anomaly high southwest of the gradient suggests that the upper surface of the causative body dips southwest. The features characterized by profiles 1-8 are interpreted by Gettings (1977) as representing the edge of the oceanic crust against the Arabian Shield. The southwestward decrease in gravity anomaly is interpreted as resulting from the southwestward-thickening sedimentary section of Miocene and younger rocks; the anomaly maxima, at least those present on the southern coastal plain, correlate with exposed diabasic dikes and flows and layered gabbros of Tertiary age that abut the rocks of the Shield. For an average density contrast of 0.15 g-cm$^{-3}$, the level change in the gravity anomaly field

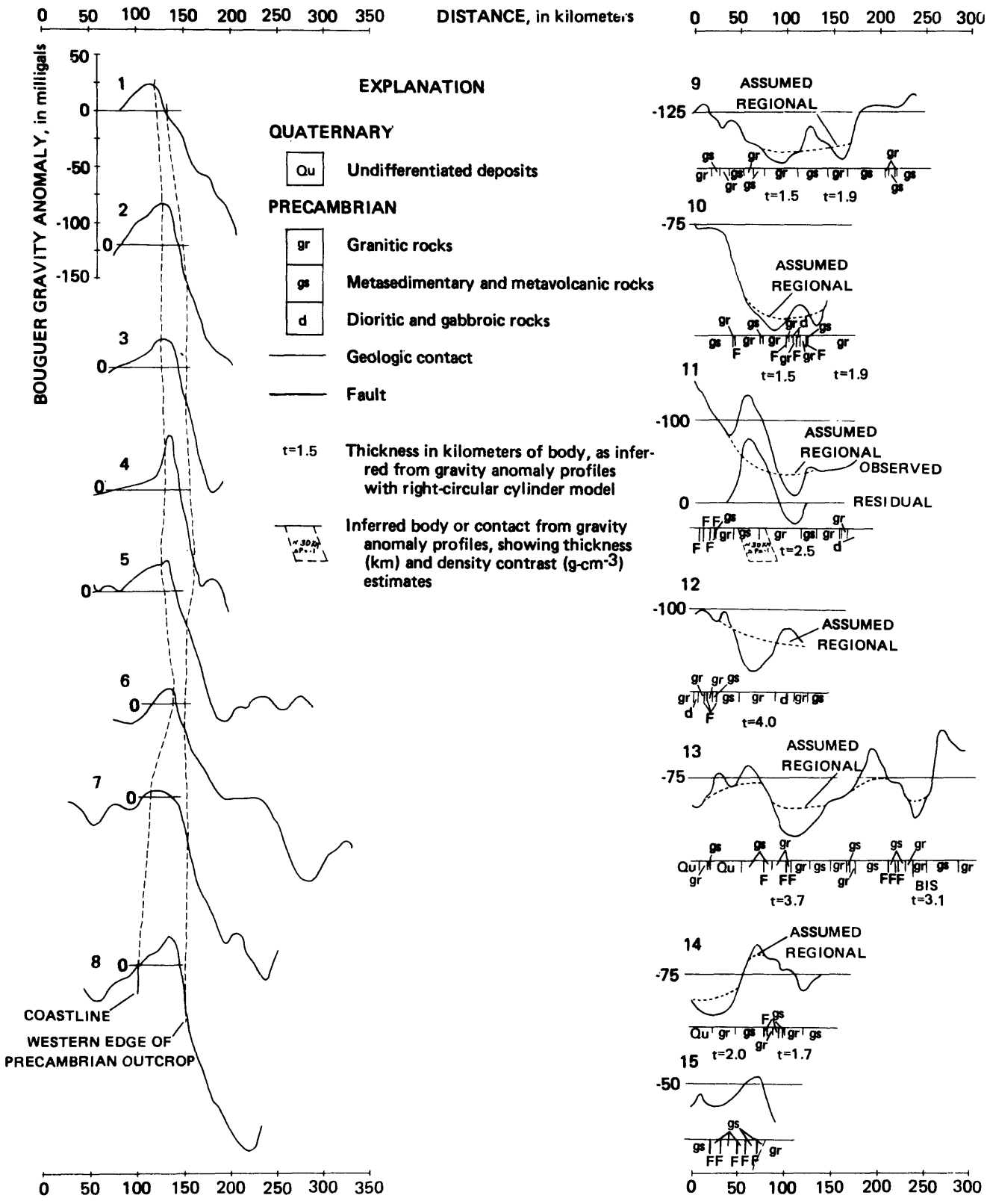


Figure 7.--Simple Bouguer gravity anomaly profiles, southwestern Saudi Arabia. Profile locations are shown on plate 2. Profiles 1 to 8 cross the continental margin between the Red Sea paar and the Arabian Shield and are aligned for comparison at the -25 mgal Bouguer gravity anomaly value. Dashed lines show the position of the coastline and the western edge of Precambrian outcrop. Profiles 9-15 show representative features of the Bouguer gravity anomaly field of the Arabian Shield and geologic sections along the profiles. Estimated thicknesses of intrusive bodies (see text) are shown along with some structures inferred from the gravity profiles.

between the coastal plain and the Shield corresponds to a slab approximately 15 km thick; this thickness agrees with the crustal thickness measured from the seismic refraction profile on the coastal plain (Healy and others, 1982/1983).

Among profiles 1-8 (fig. 7), the two most dissimilar to the others are profiles 1 and 6. Profile 1 is located in the area of transform faults near Jiddah and profile 6 is just north of the transform fault zone near Ad Darb. Both are across areas in which the Precambrian rocks extend almost to the coastline, and they differ from the remaining six gravity anomaly profiles mainly by exhibiting a gentler gradient. These two profiles may be in areas in which the transition from oceanic to continental crust is accomplished across a zone of thinned continental crust intruded by oceanic material rather than by the abrupt transition that seems to characterize most of the eastern margin of the southern Red Sea.

On the Shield, the gravity anomaly field relief across the profiles ranges from 50 to 80 mgal. Comparison of both the profiles and the gravity anomaly map with mapped surface geology at both 1:500,000 and 1:2,000,000 scales shows that in general the gravity anomaly field may be resolved into two parts. The first part is comprised of anomalies characterized by steep gradients, spatial extents of 20-100 km, and amplitudes of 5-20 mgal; these anomalies correlate closely with individual geologic map units. The second part is comprised of anomalies characterized by gentler gradients, larger spatial extents (40-300 km), and amplitudes of 30-50 mgal. Anomalies of the latter part tend to transgress boundaries of geologic map units and correlate with belts or provinces. The gravity field on the Shield is thus interpreted as a superposition of anomalies resulting from shallow crustal sources such as granitic or gabbroic intrusive rocks and layered rocks having thicknesses of about 5 km or less and deeper crustal sources that reflect changes in average composition of crustal blocks.

Profiles 9-12 (fig. 7) sample the Wadi Tarib batholithic complex (Stoeser and others, 1982), its northward extension, and the north-trending greenstone belt that bounds it on the west. The gravity anomaly correlating with the Wadi Tarib batholith comprises the minimum values of the gravity anomaly map (plate 2). Because tonalites, which are the principal intrusive unit of the Wadi Tarib complex, where mapped in detail elsewhere are associated with gravity highs, the gravity field of the Wadi Tarib area must reflect an average crustal composition that is less dense than the rocks to the west. A level change in the anomalous gravity field amounts to 40-50 mgal between the Wadi Tarib batholith and the An Nimas batholith to the west, a zone of similar composition but higher average gravity field values. Because of the

large size of the two areas and the diversity of rock types exposed within each area, the level change is interpreted to result from a change in the average crustal composition from more mafic in the west to less mafic in the east, separated by the boundary defined by the greenstone belt. This belt is composed of metavolcanic and metasedimentary rocks but also includes extensive areas of highly metamorphosed diorite-gabbro-tonalite, particularly north of lat 19° N. (Riofinex Geological Mission, 1980a). The trace of the seismic refraction line follows the axis of this belt from near Bishah to Abha, and seismic-wave attenuation studies show Q values typical of high-grade metamorphic rocks (Healy and others, 1982/1983). Taken together, this evidence is here interpreted to mean that this belt is made up at depth of highly metamorphosed rocks of mafic composition, probably caused by the emplacement of the large batholithic complexes to the east and west of the belt.

An assumed density contrast of about 0.05 g-cm-3 yields the observed gravity field level difference between the two batholiths for a slab about 20 km thick; such a model is appropriate for a lower crustal average compositional difference equivalent to that between gabbro and diorite.

For estimates of thicknesses of shallow sources, a right-circular cylinder was used (Gettings and Andreasen, in press), and, for the profiles considered, the anomalies that could be correlated with exposed granitic bodies yield thicknesses between 1.5 and 4 km (fig. 7), values that are typical for batholithic-sized plutons.

For profile 11 (fig. 7), analysis of the positive residual anomaly after subtracting the assumed regional anomaly shown yields a zone about 30 km wide that extends essentially from the surface to about 20 km depth and has a density contrast of about 0.1 g-cm-3. The interpretation was based on an infinite horizontal cylinder model, and it corresponds well with a geologic interpretation that the anomaly results from a metamorphosed zone of mafic rocks between the two large batholiths. The negative residual anomaly of profile 11 that correlates with the quartz monzonite in the Wadi Tarib complex yields a thickness of 2.5 km by using the right-circular cylinder model.

For profile 12, that part of the anomaly attributable to granitic rocks yields a thickness of about 2.5 km by using the same methods.

Profiles 13, 14, and 15 sample the gravity field of the Najd and Shammar provinces; the profiles cross the two major Najd strike-slip fault zones, some of the large granitic intrusive masses, and part of the Al Amar-Idsas zone. This

area is characterized by large gravity minima over syn- and posttectonic granitic intrusive complexes and by gravity maxima over complexes composed of diorite, gabbro, and ultramafic bodies.

The positive gravity anomaly at the northeastern end of profile 13 is associated with gabbroic, dioritic, and ultramafic rocks, and its assymmetry suggests that the zone of positive density contrast dips to the east. A similar zone, illustrated in profile 15 (fig. 7), apparently dips to the southwest beneath the rocks of the Murdama group.

The extensive linear gravity high associated with the northeastern Najd fault zone that is sampled by profiles 13 and 14 shows shallow sources of positive density contrast, associated with exposed gabbroic and dioritic rocks, that are superposed on a larger positive gravity anomaly whose source is at depth. A similar zone exists for the southwestern Najd fault zone, as illustrated by the largest southwestern positive gravity anomaly on profile 13, although very little gabbro or diorite is exposed along this gravity feature. Based on seismic refraction evidence (Healy and others, 1982/1983) long-wavelength aeromagnetic anomalies (Gettings and others, 1983) and the gravity anomalies, both of these zones are interpreted to have extensive mafic intrusive rocks at depth that were probably emplaced during or after the Najd faulting event and that used the Najd faults as conduits. These zones appear to be essentially vertical and to penetrate the crust; only the uppermost parts of the intrusive rocks are interpreted to reach the surface and the major masses of the intrusive rocks are interpreted to be below 15 km depth. This intrusive event could have provided the heat source for a hydrothermal episode in the upper crustal rocks of these zones, and it may be important in the genesis of ore deposits along these zones. Analysis of anomalies correlated with exposed granitic rocks on these profiles yields thicknesses of 2 to 4 km.

## Correlation with known mineral occurrences

In plate 6, known mineral occurrences are plotted on the Bouguer gravity anomaly map. Mineral occurrences were compiled by using the Mineral Occurrence Documentation System (MODS) data bank in two groups: precious metals, as represented by gold and silver, and base metals, as represented by copper, lead, zinc, and gossans.

Examination of this map does not show any particular discrimination by the gravity field at this scale between base and precious metals. Although a random component is present, there is a correlation between some base and precious metal occurrences and the flanks and peaks of gravity anomaly max-

ima or highs, especially those in the north- and northwest-trending belts. Particularly notable correlations are those of the gold belt that extends from the southern Najd fault zone south approximately along long 43°30' E. to about lat 18°30' N. and those in the Al Amar-Idsas area in the extreme northeastern part of the gravity map area. Also of interest are the northwest-trending belts related to the Najd fault zones. If the hypothesis in these zones is correct of late Precambrian intrusive activity and a consequent hydrothermal event in the upper crust, then the flanks of these gravity structures should be quite prospective mineralized areas in areas having favorable lithologies.

A logical procedure is to identify prospective zones along gravity-defined structures between mineral occurrences or on their extension along the gravity feature and then to outline areas of favorable lithology and environment from existing geologic mapping in which further exploration is merited. Although numerous areas for such investigations can be delineated from plate 6, a more thorough examination should be carried out by using the residual gravity anomaly map resulting from terrain and isostatic corrections followed by high-pass filtering. Use of a corrected map should considerably enhance correlations, particularly in the western part of the Shield where the continental margin anomaly obscures the response of Shield structures.

## SUMMARY

Data for a total of 2,196 gravity stations at a station density of approximately one station per 100 $km^2$ in an area consisting of a 150-km-wide strip from Sanam near Ar Riyad to the Farasan Islands and westward from the Asir escarpment into the Red Sea from the Yemen border to Jiddah have been compiled into a simple Bouguer gravity anomaly map with a 5-mgal contour interval that is suitable for regional geologic and geophysical investigations. Although geologic targets smaller than the sample spacing of 10 km are not resolved by this data, all regional scale structures of the Arabian Shield and coastal plain are adequately sampled for reconnaissance purposes and the map will form a basis for detailed investigations. The application of terrain and isostatic corrections to the data will yield an optimized data set for geologic investigations.

In a broad regional sense, interpretation of the gravity anomaly map supported by other geophysical data has produced a crustal model composed of essentially oceanic crust beneath the Red Sea and coastal plain west of Precambrian outcrops and a 40-km-thick, two-layer crust for the Arabian Shield. Based on both the gravity and seismic refraction evidence,

the Arabian Shield appears to be horizontally stratified by metamorphic grade; such a stratification implies that regional metamorphism was the last major tectonic event, except for Tertiary uplift, to affect the Shield.

Lateral bulk density variations in both the upper and lower crusts that correspond to changes in bulk composition are necessary to fit the observed long-wavelength pattern in the gravity field. In particular, the crust west of the Nabitah fault zone appears to be more mafic in bulk composition. A gradual northeastward density increase in the lower lithosphere-upper aesthenosphere is also required to fit the observed gravity anomaly pattern and is presumed to reflect a thermal regime in the mantle that varies from higher temperatures beneath the Red Sea to lower ones northeastward across the Shield.

Gravity provinces or zones have been defined that correlate in a broad sense with areas of dominantly mafic or felsic rocks. In general, only 5 to 15 mgal of the observed gravity anomaly can be correlated with any given lithologic unit or body exposed at the surface, and the remainder of the anomaly must be attributed buried sources. This implies that the gravity provinces reflect blocks of at least upper crust that have been extensively invaded by more or less dense intrusive material to change the average bulk density of each block relative to that of other blocks. Alternatively, any given block may have formed with a bulk density and by inference composition that is different from adjacent blocks. This relationship is particularly true of the area of the Wadi Tarib batholith.

Local anomalies attributable to exposed granitic or dioritic-gabbroic intrusive rocks yield thickness estimates in the range of 2 to 4 km. Four distinct trend sets in the gravity data correlate well with those in the aeromagnetic data: north-south, east-west, northwest, and northeast. The northwest (Najd) trend set seems to be the youngest and offsets or interrupts the north-south and east-west trend sets. The northeast trend set appears to be the result of a conjugate set of fractures that developed with the Najd set.

The older east-west and north-south trend sets seem to have exercised the most control over the emplacement of batholithic complexes, and mineral occurrences of base and precious metals correlate most closely with the north-south trends.

The correlation between some base and precious metal occurrences and Bouguer gravity anomaly local maxima is good in some cases, and many occurrences tend to fall on the flanks of the anomaly highs. This correlation suggests an

exploration rationale of following gravity-defined structures from areas of known mineralization into areas of favorable lithology.

Terrain and isostatic corrections and regional-residual separation will enhance the gravity signature of the upper crustal sources and provide the optimum representation for exploration target definition, particularly in the southwestern third of the Shield, where the gravity anomaly resulting from the continental margin and terrain effects obscures the effects of upper crustal geologic structures in the gravity field.

## DATA STORAGE AND ACKNOWLEDGMENTS

Known mineral occurences in the strudy area were compiled by using the Mineral Occurrence Documentation System (MODS) data bank. Information regarding this data bank is available from the Office of the Technical Advisor, Saudi Arabian Deputy Ministry for Mineral Resources, Jeddah.

No data files were established as a result of this study.

The work on which this report is based was conducted as part of an agreement between the U.S. Geological Survey and the Saudi Arabian Ministry of Petroleum and Mineral Resources.

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Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map

[Column heading abbreviations: ID, station name; LAT, north latitude (degrees, minutes); LONG, east longitude (degrees, minutes); ELEV, altitude in meters; OG, observed gravity in mgal; THG-IGSN71, theoretical gravity in mgal; FAA, free air-gravity anomaly in mgal; SBA, simple Bouguer gravity anomaly in mgal; HTC, inner zone terrain correction in mgal; TTC, total terrain correction in mgal; CC, earth curvature correction in mgal; CBA, complete Bouguer gravity anomaly in mgal; S.D. CBA, standard deviation of CBA in mgal. Terrain corrections were not carried out for this data set]

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A1 | 21 46.020 | 39 3.200 | 0.0M | 978774.49 | 978742.28 | 32.22 | 32.22 | 0.00 | 0.00 | 0.00 | 32.22 | 0.10 | A1 |
| A2 | 21 46.380 | 39 4.420 | 1.0M | 978778.14 | 978742.65 | 35.80 | 35.69 | 0.00 | 0.00 | 0.00 | 35.68 | 0.36 | A2 |
| A3 | 21 46.860 | 39 5.750 | 0.2M | 978777.01 | 978743.15 | 33.93 | 33.91 | 0.00 | 0.00 | 0.00 | 33.91 | 0.40 | A3 |
| A4 | 21 46.930 | 39 6.810 | 3.0M | 978773.66 | 978743.22 | 31.37 | 31.03 | 0.00 | 0.00 | 0.00 | 31.03 | 0.66 | A4 |
| A5 | 21 47.350 | 39 8.240 | 3.6M | 978769.70 | 978743.65 | 27.15 | 26.75 | 0.00 | 0.00 | 0.01 | 26.74 | 0.40 | A5 |
| A6 | 21 47.760 | 39 9.750 | 8.5M | 978769.16 | 978744.08 | 27.71 | 26.76 | 0.00 | 0.00 | 0.01 | 26.74 | 0.46 | A6 |
| A8 | 21 48.300 | 39 12.120 | 29.8M | 978771.17 | 978744.64 | 35.73 | 32.39 | 0.00 | 0.00 | 0.04 | 32.35 | 0.33 | A8 |
| A9 | 21 48.560 | 39 14.460 | 46.1M | 978768.49 | 978744.91 | 37.62 | 32.66 | 0.00 | 0.00 | 0.07 | 32.59 | 0.33 | A9 |
| B1 | 21 45.160 | 39 3.860 | 0.0M | 978772.58 | 978741.39 | 31.19 | 31.19 | 0.00 | 0.00 | 0.00 | 31.19 | 0.10 | B1 |
| B2 | 21 4 .350 | 39 4.740 | 3.7M | 978773.31 | 978741.58 | 32.87 | 32.45 | 0.00 | 0.00 | 0.01 | 32.45 | 0.33 | B2 |
| B3 | 21 45.720 | 39 6.010 | 3.3M | 978772.63 | 978741.97 | 31.68 | 31.31 | 0.00 | 0.00 | 0.00 | 31.31 | 0.33 | B3 |
| B4 | 21 45.940 | 39 7.130 | 2.2M | 978769.97 | 978742.19 | 28.45 | 28.21 | 0.00 | 0.00 | 0.00 | 28.20 | 0.40 | B4 |
| B5 | 21 46.260 | 39 8.150 | 1.6M | 978768.46 | 978742.53 | 26.43 | 26.25 | 0.00 | 0.00 | 0.00 | 26.25 | 0.43 | B5 |
| B6 | 21 46.500 | 39 9.290 | 4.6M | 978765.87 | 978742.77 | 24.52 | 24.00 | 0.00 | 0.00 | 0.01 | 24.00 | 0.36 | B6 |
| B7 | 21 46.800 | 39 10.960 | 15.7M | 978772.76 | 978743.17 | 34.44 | 32.68 | 0.00 | 0.00 | 0.02 | 32.66 | 0.33 | B7 |
| B8 | 21 47.220 | 39 12.240 | 15.5M | 978775.38 | 978743.52 | 36.65 | 34.91 | 0.00 | 0.00 | 0.02 | 34.89 | 1.26 | B8 |
| B9 | 21 47.650 | 39 13.920 | 47.9M | 978771.78 | 978743.97 | 42.60 | 37.24 | 0.00 | 0.00 | 0.07 | 37.17 | 0.33 | B9 |
| C1 | 21 44.170 | 39 4.500 | 2.2M | 978770.29 | 978740.36 | 30.61 | 30.36 | 0.00 | 0.00 | 0.00 | 30.36 | 0.33 | C1 |
| C2 | 21 44.440 | 39 5.640 | 4.0M | 978771.55 | 978740.64 | 32.14 | 31.70 | 0.00 | 0.00 | 0.01 | 31.69 | 0.33 | C2 |
| C3 | 21 44.660 | 39 6.650 | 4.1M | 978768.33 | 978740.87 | 28.73 | 28.27 | 0.00 | 0.00 | 0.01 | 28.26 | 0.33 | C3 |
| C4 | 21 45.060 | 39 8.130 | 2.2M | 978765.56 | 978741.28 | 24.96 | 24.71 | 0.00 | 0.00 | 0.00 | 24.71 | 0.33 | C4 |
| C5 | 21 45.210 | 39 9.160 | 6.5M | 978763.78 | 978741.44 | 24.35 | 23.62 | 0.00 | 0.00 | 0.01 | 23.61 | 0.33 | C5 |
| C6 | 21 45.440 | 39 10.050 | 13.0M | 978762.92 | 978741.68 | 25.26 | 23.81 | 0.00 | 0.00 | 0.02 | 23.79 | 0.33 | C6 |
| C7 | 21 45.660 | 39 10.950 | 21.5M | 978768.77 | 978741.90 | 33.50 | 31.10 | 0.00 | 0.00 | 0.03 | 31.07 | 0.33 | C7 |
| C8 | 21 46.110 | 39 11.750 | 29.1M | 978773.03 | 978742.37 | 39.65 | 36.39 | 0.00 | 0.00 | 0.04 | 36.35 | 0.33 | C8 |
| C9 | 21 46.240 | 39 13.970 | 38.7M | 978771.77 | 978742.50 | 41.22 | 36.89 | 0.00 | 0.00 | 0.06 | 36.83 | 0.46 | C9 |
| D1 | 21 43.090 | 39 5.010 | 0.0M | 978766.52 | 978739.24 | 27.28 | 27.28 | 0.00 | 0.00 | 0.00 | 27.28 | 0.10 | D1 |
| D2 | 21 43.320 | 39 5.700 | 6.9M | 978769.58 | 978739.48 | 32.23 | 31.46 | 0.00 | 0.00 | 0.01 | 31.45 | 0.33 | D2 |
| D3 | 21 43.230 | 39 6.710 | 0.0M | 978766.89 | 978739.39 | 27.50 | 27.50 | 0.00 | 0.00 | 0.00 | 27.50 | 0.10 | D3 |
| D4 | 21 43.850 | 39 7.840 | 2.0M | 978764.30 | 978740.03 | 24.69 | 24.66 | 0.00 | 0.00 | 0.00 | 24.66 | 0.33 | D4 |
| D5 | 21 44.080 | 39 8.920 | 2.0M | 978761.90 | 978740.27 | 22.25 | 22.03 | 0.00 | 0.00 | 0.00 | 22.02 | 0.33 | D5 |
| D6 | 21 44.320 | 39 10.090 | 5.0M | 978761.22 | 978740.52 | 22.25 | 21.69 | 0.00 | 0.00 | 0.01 | 21.68 | 0.33 | D6 |
| D7 | 21 44.590 | 39 11.200 | 14.5M | 978768.18 | 978740.80 | 31.86 | 30.24 | 0.00 | 0.00 | 0.02 | 30.22 | 0.33 | D7 |
| D8 | 21 44.940 | 39 12.440 | 26.0M | 978769.98 | 978741.16 | 36.85 | 33.94 | 0.00 | 0.00 | 0.04 | 33.90 | 0.33 | D8 |
| D9 | 21 45.180 | 39 13.600 | 38.9M | 978765.81 | 978741.41 | 36.41 | 32.06 | 0.00 | 0.00 | 0.06 | 32.00 | 0.33 | D9 |
| E2 | 21 42.090 | 39 6.530 | 3.2M | 978766.19 | 978738.21 | 28.97 | 28.61 | 0.00 | 0.00 | 0.00 | 28.60 | 0.33 | E2 |
| E3 | 21 42.630 | 39 7.780 | 2.5M | 978762.64 | 978738.77 | 24.64 | 24.36 | 0.00 | 0.00 | 0.00 | 24.36 | 0.33 | E3 |
| E4 | 21 42.880 | 39 8.880 | 2.4M | 978760.65 | 978739.03 | 22.36 | 22.09 | 0.00 | 0.00 | 0.00 | 22.09 | 0.33 | E4 |
| E5 | 21 43.270 | 39 10.410 | 7.7M | 978761.36 | 978739.43 | 24.31 | 23.45 | 0.00 | 0.00 | 0.01 | 23.44 | 0.33 | E5 |
| E6 | 21 43.600 | 39 11.400 | 15.0M | 978767.40 | 978739.77 | 32.26 | 30.58 | 0.00 | 0.00 | 0.02 | 30.56 | 0.33 | E6 |
| E7 | 21 43.800 | 39 12.820 | 30.4M | 978765.28 | 978739.98 | 34.68 | 31.28 | 0.00 | 0.00 | 0.04 | 31.24 | 0.36 | E7 |
| E8 | 21 44.260 | 39 13.850 | 47.5M | 978761.57 | 978740.45 | 35.78 | 30.46 | 0.00 | 0.00 | 0.07 | 30.40 | 0.33 | E8 |
| E9 | 21 44.430 | 39 15.030 | 76.5M | 978754.17 | 978740.63 | 37.16 | 28.60 | 0.00 | 0.00 | 0.11 | 28.49 | 0.40 | E9 |
| F1 | 21 40.830 | 39 5.710 | 0.0M | 978763.77 | 978736.91 | 26.86 | 26.86 | 0.00 | 0.00 | 0.00 | 26.86 | 0.10 | F1 |
| F2 | 21 41.210 | 39 7.030 | 1.7M | 978763.69 | 978737.30 | 26.91 | 26.72 | 0.00 | 0.00 | 0.00 | 26.72 | 0.40 | F2 |
| F3 | 21 41.680 | 39 8.430 | 6.2M | 978760.67 | 978737.79 | 24.80 | 24.11 | 0.00 | 0.00 | 0.01 | 24.10 | 0.33 | F3 |
| F4 | 21 41.830 | 39 9.540 | 6.2M | 978760.08 | 978737.94 | 24.05 | 23.35 | 0.00 | 0.00 | 0.01 | 23.34 | 0.33 | F4 |
| F5 | 21 42.250 | 39 10.830 | 14.3M | 978764.70 | 978738.38 | 30.74 | 29.13 | 0.00 | 0.00 | 0.02 | 29.11 | 0.33 | F5 |
| F6 | 21 42.770 | 39 12.340 | 31.1M | 978767.61 | 978738.91 | 38.30 | 34.82 | 0.00 | 0.00 | 0.05 | 34.77 | 0.40 | F6 |
| F7 | 21 42.740 | 39 13.240 | 40.6M | 978766.36 | 978738.88 | 40.01 | 35.46 | 0.00 | 0.00 | 0.06 | 35.41 | 0.33 | F7 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | ITC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F8 | 21 43.150 | 39 14.400 | 55.0M | 978760.31 | 978739.31 | 37.98 | 31.83 | 0.00 | 0.00 | 0.08 | 31.75 | 0.33 | F8 |
| F9 | 21 43.630 | 39 15.260 | 67.9M | 978755.35 | 978739.80 | 36.51 | 28.91 | 0.00 | 0.00 | 0.10 | 28.81 | 0.53 | F9 |
| G1 | 21 39.850 | 39 6.980 | 2.3M | 978763.10 | 978735.90 | 27.91 | 27.65 | 0.00 | 0.00 | 0.00 | 27.65 | 0.33 | G1 |
| G2 | 21 40.130 | 39 7.050 | 6.6M | 978763.26 | 978736.19 | 29.11 | 28.37 | 0.00 | 0.00 | 0.01 | 28.36 | 0.33 | G2 |
| G3 | 21 40.430 | 39 8.000 | 5.7M | 978760.54 | 978736.50 | 25.80 | 25.17 | 0.00 | 0.00 | 0.01 | 25.16 | 0.33 | G3 |
| G4 | 21 40.670 | 39 9.550 | 9.1M | 978758.96 | 978736.74 | 25.03 | 24.01 | 0.00 | 0.00 | 0.01 | 24.00 | 0.33 | G4 |
| G5 | 21 41.030 | 39 11.020 | 17.1M | 978760.36 | 978737.12 | 36.52 | 34.61 | 0.00 | 0.00 | 0.02 | 34.58 | 0.56 | G5 |
| G6 | 21 41.340 | 39 12.340 | 33.8M | 978770.45 | 978737.44 | 43.45 | 39.67 | 0.00 | 0.00 | 0.05 | 39.62 | 0.79 | G6 |
| G7 | 21 41.550 | 39 13.420 | 45.7M | 978769.03 | 978737.65 | 45.48 | 40.37 | 0.00 | 0.00 | 0.07 | 40.30 | 0.86 | G7 |
| G8 | 21 41.850 | 39 14.460 | 58.1M | 978761.06 | 978737.96 | 41.03 | 34.53 | 0.00 | 0.00 | 0.08 | 34.44 | 0.83 | G8 |
| G9 | 21 42.180 | 39 15.620 | 78.6M | 978754.24 | 978738.30 | 40.20 | 31.41 | 0.00 | 0.00 | 0.11 | 31.29 | 0.66 | G9 |
| H1 | 21 38.900 | 39 6.180 | 2.4M | 978762.21 | 978734.92 | 28.03 | 27.76 | 0.00 | 0.00 | 0.00 | 27.76 | 0.01 | H1 |
| H2 | 21 39.120 | 39 7.380 | 9.1M | 978762.30 | 978735.15 | 29.96 | 28.95 | 0.00 | 0.00 | 0.01 | 28.93 | 0.33 | H2 |
| H3 | 21 39.340 | 39 8.650 | 10.4M | 978759.97 | 978735.37 | 27.80 | 26.64 | 0.00 | 0.00 | 0.02 | 26.63 | 0.33 | H3 |
| H4 | 21 39.680 | 39 10.050 | 14.4M | 978762.23 | 978735.72 | 30.96 | 29.35 | 0.00 | 0.00 | 0.02 | 29.32 | 0.33 | H4 |
| H5 | 21 39.960 | 39 11.110 | 23.4M | 978769.99 | 978736.01 | 41.21 | 38.59 | 0.00 | 0.00 | 0.03 | 38.5[illegible] | 0.33 | H5 |
| H6 | 21 40.330 | 39 12.740 | 40.9M | 978769.34 | 978736.39 | 45.57 | 40.99 | 0.00 | 0.00 | 0.06 | 40.93 | 0.50 | H6 |
| H7 | 21 40.420 | 39 13.620 | 67.7M | 978763.96 | 978736.49 | 48.37 | 40.80 | 0.00 | 0.00 | 0.10 | 40.70 | 0.50 | H7 |
| H8 | 21 40.800 | 39 14.940 | 82.0M | 978754.74 | 978736.88 | 43.18 | 34.00 | 0.00 | 0.00 | 0.12 | 33.88 | 0.43 | H8 |
| H9 | 21 40.770 | 39 15.090 | 148.5M | 978736.27 | 978736.85 | 45.27 | 28.65 | 0.00 | 0.00 | 0.21 | 28.44 | 0.53 | H9 |
| I1 | 21 37.980 | 39 6.300 | 1.8M | 978761.51 | 978733.97 | 28.10 | 27.90 | 0.00 | 0.00 | 0.00 | 27.89 | 0.69 | I1 |
| I2 | 21 37.890 | 39 7.890 | 8.6M | 978760.41 | 978733.88 | 29.19 | 28.22 | 0.00 | 0.00 | 0.01 | 28.21 | 0.50 | I2 |
| I3 | 21 38.160 | 39 9.170 | 10.5M | 978759.72 | 978734.16 | 28.80 | 27.63 | 0.00 | 0.00 | 0.02 | 27.61 | 1.06 | I3 |
| I4 | 21 38.620 | 39 10.400 | 18.4M | 978765.11 | 978734.63 | 36.16 | 34.10 | 0.00 | 0.00 | 0.03 | 34.07 | 0.79 | I4 |
| I6 | 21 39.490 | 39 14.140 | 59.0M | 978764.05 | 978735.53 | 46.73 | 40.13 | 0.00 | 0.00 | 0.09 | 40.05 | 0.79 | I6 |
| I7 | 21 39.770 | 39 15.130 | 67.6M | 978754.24 | 978735.82 | 39.29 | 33.73 | 0.00 | 0.00 | 0.10 | 33.63 | 0.86 | I7 |
| I8 | 21 39.860 | 39 15.970 | 80.8M | 978748.50 | 978735.91 | 37.54 | 28.50 | 0.00 | 0.00 | 0.12 | 28.38 | 0.86 | I8 |
| J1 | 21 36.340 | 39 6.480 | 4.7M | 978760.32 | 978732.28 | 29.49 | 28.97 | 0.00 | 0.00 | 0.01 | 28.96 | 0.56 | J1 |
| J2 | 21 36.440 | 39 7.240 | 8.6M | 978761.19 | 978732.38 | 31.47 | 30.50 | 0.00 | 0.00 | 0.01 | 30.49 | 0.76 | J2 |
| J3 | 21 36.630 | 39 8.470 | 5.9M | 978758.20 | 978732.58 | 27.94 | 27.28 | 0.00 | 0.00 | 0.01 | 27.28 | 0.33 | J3 |
| J4 | 21 37.160 | 39 9.510 | 11.6M | 978760.13 | 978733.13 | 30.59 | 29.29 | 0.00 | 0.00 | 0.02 | 29.28 | 0.73 | J4 |
| J5 | 21 37.500 | 39 10.550 | 12.0M | 978766.72 | 978733.48 | 36.94 | 35.60 | 0.00 | 0.00 | 0.02 | 35.58 | 0.33 | J5 |
| J6 | 21 37.900 | 39 12.160 | 26.6M | 978771.77 | 978733.89 | 46.10 | 43.12 | 0.00 | 0.00 | 0.04 | 43.08 | 0.36 | J6 |
| J7 | 21 38.000 | 39 13.100 | 37.7M | 978767.10 | 978733.99 | 44.75 | 40.53 | 0.00 | 0.00 | 0.05 | 40.47 | 0.33 | J7 |
| J8 | 21 38.380 | 39 14.280 | 51.1M | 978760.46 | 978734.38 | 41.85 | 36.14 | 0.00 | 0.00 | 0.07 | 36.06 | 0.33 | J8 |
| J9 | 21 38.620 | 39 15.400 | 63.5M | 978752.80 | 978734.63 | 37.77 | 30.66 | 0.00 | 0.00 | 0.09 | 30.57 | 0.33 | J9 |
| K1 | 21 35.150 | 39 6.440 | 0.0M | 978758.89 | 978731.06 | 27.84 | 27.84 | 0.00 | 0.00 | 0.00 | 27.84 | 0.10 | K1 |
| K2 | 21 35.500 | 39 7.450 | 1.1M | 978760.73 | 978731.42 | 29.65 | 29.53 | 0.00 | 0.00 | 0.00 | 29.53 | 0.33 | K2 |
| K3 | 21 35.500 | 39 8.740 | 2.4M | 978757.12 | 978731.42 | 26.45 | 26.18 | 0.00 | 0.00 | 0.00 | 26.18 | 0.33 | K3 |
| K4 | 21 36.100 | 39 9.730 | 6.9M | 978759.75 | 978732.03 | 29.85 | 29.08 | 0.00 | 0.00 | 0.01 | 29.07 | 0.33 | K4 |
| K5 | 21 36.150 | 39 10.700 | 17.2M | 978763.71 | 978732.09 | 36.94 | 35.01 | 0.00 | 0.00 | 0.03 | 34.99 | 0.33 | K5 |
| K6 | 21 36.540 | 39 11.930 | 24.0M | 978760.10 | 978732.49 | 43.02 | 40.34 | 0.00 | 0.00 | 0.03 | 40.30 | 0.33 | K6 |
| K7 | 21 36.990 | 39 13.190 | 33.5M | 978767.45 | 978732.95 | 44.84 | 41.09 | 0.00 | 0.00 | 0.05 | 41.04 | 0.33 | K7 |
| K8 | 21 37.230 | 39 14.400 | 47.3M | 978762.37 | 978733.20 | 43.77 | 38.48 | 0.00 | 0.00 | 0.07 | 38.41 | 0.43 | K8 |
| K9 | 21 37.490 | 39 15.940 | 83.3M | 978748.03 | 978733.47 | 40.28 | 30.96 | 0.00 | 0.00 | 0.12 | 30.84 | 0.33 | K9 |
| L1 | 21 34.050 | 39 6.600 | 0.0M | 978757.87 | 978729.92 | 27.95 | 27.95 | 0.00 | 0.00 | 0.00 | 27.95 | 0.10 | L1 |
| L2 | 21 34.420 | 39 7.940 | 2.0M | 978758.65 | 978730.31 | 28.96 | 28.74 | 0.00 | 0.00 | 0.00 | 28.73 | 0.66 | L2 |
| L3 | 21 34.660 | 39 9.030 | 3.0M | 978755.80 | 978730.55 | 26.17 | 25.83 | 0.00 | 0.00 | 0.00 | 25.83 | 0.66 | L3 |
| L4 | 21 35.040 | 39 10.370 | 8.3M | 978757.14 | 978730.94 | 28.76 | 27.83 | 0.00 | 0.00 | 0.01 | 27.82 | 0.33 | L4 |
| L5 | 21 35.180 | 39 11.140 | 18.6M | 978764.76 | 978731.09 | 39.41 | 37.33 | 0.00 | 0.00 | 0.03 | 37.30 | 0.40 | L5 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L6 | 21 35.640 | 39 12.800 | 20.8M | 978766.71 | 978731.56 | 42.58 | 39.25 | 0.00 | 0.00 | 0.03 | 39.22 | 0.33 | L6 |
| L7 | 21 35.860 | 39 13.930 | 31.1M | 978764.95 | 978731.79 | 42.77 | 39.29 | 0.00 | 0.00 | 0.05 | 39.24 | 0.33 | L7 |
| L8 | 21 36.160 | 39 15.240 | 45.7M | 978756.32 | 978732.10 | 38.33 | 33.22 | 0.00 | 0.00 | 0.07 | 33.15 | 0.33 | L8 |
| L9 | 21 36.770 | 39 16.980 | 69.1M | 978748.51 | 978732.72 | 37.12 | 29.39 | 0.00 | 0.00 | 0.10 | 29.29 | 0.33 | L9 |
| M1 | 21 33.130 | 39 6.800 | 0.0M | 978757.11 | 978728.98 | 28.13 | 28.13 | 0.00 | 0.00 | 0.00 | 28.13 | 0.10 | M1 |
| M2 | 21 33.200 | 39 9.000 | 1.9M | 978757.44 | 978729.05 | 28.98 | 28.77 | 0.00 | 0.00 | 0.00 | 28.76 | 0.33 | M2 |
| M3 | 21 33.630 | 39 9.670 | 7.2M | 978753.94 | 978729.49 | 26.67 | 25.86 | 0.00 | 0.00 | 0.01 | 25.85 | 0.46 | M3 |
| M4 | 21 34.130 | 39 11.430 | 21.3M | 978761.84 | 978730.01 | 38.41 | 36.02 | 0.00 | 0.00 | 0.03 | 35.99 | 0.66 | M4 |
| M5 | 21 34.700 | 39 13.210 | 36.8M | 978765.38 | 978730.59 | 46.15 | 42.03 | 0.00 | 0.00 | 0.05 | 41.98 | 0.33 | M5 |
| M6 | 21 34.840 | 39 15.650 | 46.9M | 978761.36 | 978730.74 | 45.10 | 39.85 | 0.00 | 0.00 | 0.07 | 39.79 | 0.69 | M6 |
| M7 | 21 35.170 | 39 16.230 | 72.5M | 978753.01 | 978731.08 | 44.32 | 36.20 | 0.00 | 0.00 | 0.10 | 36.10 | 0.73 | M7 |
| M8 | 21 35.640 | 39 17.470 | 86.7M | 978747.27 | 978731.56 | 42.47 | 32.77 | 0.00 | 0.00 | 0.12 | 32.65 | 0.66 | M8 |
| N1 | 21 32.030 | 39 7.130 | 0.0M | 978756.80 | 978727.85 | 28.95 | 28.95 | 0.00 | 0.00 | 0.00 | 28.95 | 0.03 | N1 |
| N2 | 21 32.080 | 39 8.200 | 0.0M | 978757.32 | 978727.90 | 29.42 | 29.42 | 0.00 | 0.00 | 0.00 | 29.42 | 0.10 | N2 |
| N3 | 21 32.490 | 39 9.630 | 6.1M | 978754.52 | 978728.32 | 28.08 | 27.40 | 0.00 | 0.00 | 0.01 | 27.39 | 0.33 | N3 |
| N4 | 21 32.790 | 39 10.800 | 12.2M | 978754.08 | 978728.63 | 30.02 | 28.66 | 0.00 | 0.00 | 0.02 | 28.64 | 0.40 | N4 |
| N5 | 21 33.090 | 39 11.950 | 19.5M | 978766.10 | 978728.94 | 43.18 | 41.00 | 0.00 | 0.00 | 0.03 | 40.97 | 0.69 | N5 |
| N6 | 21 33.340 | 39 13.050 | 31.7M | 978766.68 | 978729.20 | 47.27 | 43.72 | 0.00 | 0.00 | 0.05 | 43.68 | 0.50 | N6 |
| N7 | 21 33.720 | 39 14.410 | 44.6M | 978762.19 | 978729.59 | 46.37 | 41.38 | 0.00 | 0.00 | 0.06 | 41.31 | 0.76 | N7 |
| N8 | 21 33.900 | 39 15.380 | 57.3M | 978753.56 | 978729.77 | 50.74 | 40.97 | 0.00 | 0.00 | 0.13 | 40.84 | 0.89 | N8 |
| N9 | 21 34.110 | 39 16.370 | 67.2M | 978753.72 | 978729.99 | 44.48 | 36.96 | 0.00 | 0.00 | 0.10 | 36.86 | 0.79 | N9 |
| O2 | 21 31.300 | 39 8.990 | 0.5M | 978755.95 | 978727.10 | 29.00 | 28.94 | 0.00 | 0.00 | 0.00 | 28.94 | 0.10 | O2 |
| O3 | 21 31.290 | 39 9.820 | 3.1M | 978754.68 | 978727.09 | 28.55 | 28.21 | 0.00 | 0.00 | 0.00 | 28.20 | 0.33 | O3 |
| O4 | 21 31.680 | 39 10.760 | 6.5M | 978754.18 | 978727.49 | 28.69 | 27.97 | 0.00 | 0.00 | 0.01 | 27.96 | 0.33 | O4 |
| O5 | 21 31.940 | 39 12.250 | 14.2M | 978764.82 | 978727.76 | 41.44 | 39.86 | 0.00 | 0.00 | 0.02 | 39.84 | 0.33 | O5 |
| O6 | 21 32.130 | 39 13.460 | 20.7M | 978760.16 | 978727.95 | 49.07 | 45.86 | 0.00 | 0.00 | 0.04 | 45.82 | 0.33 | O6 |
| O7 | 21 32.470 | 39 14.560 | 42.2M | 978763.39 | 978728.30 | 48.12 | 43.39 | 0.00 | 0.00 | 0.06 | 43.33 | 0.33 | O7 |
| O8 | 21 32.860 | 39 16.000 | 74.7M | 978751.51 | 978728.70 | 45.86 | 37.51 | 0.00 | 0.00 | 0.11 | 37.40 | 0.33 | O8 |
| O9 | 21 32.970 | 39 17.210 | 85.7M | 978745.14 | 978728.81 | 42.78 | 33.19 | 0.00 | 0.00 | 0.12 | 33.07 | 0.46 | O9 |
| P3 | 21 29.970 | 39 9.970 | 0.3M | 978754.13 | 978725.74 | 28.49 | 28.45 | 0.00 | 0.00 | 0.00 | 28.45 | 0.03 | P3 |
| P4 | 21 30.560 | 39 11.570 | 10.0M | 978754.68 | 978726.34 | 31.42 | 30.30 | 0.00 | 0.00 | 0.01 | 30.29 | 0.56 | P4 |
| P5 | 21 31.450 | 39 15.100 | 38.9M | 978759.22 | 978727.25 | 43.97 | 39.62 | 0.00 | 0.00 | 0.06 | 39.56 | 1.39 | P5 |
| P6 | 21 31.750 | 39 16.300 | 50.9M | 978750.53 | 978727.56 | 38.69 | 32.99 | 0.00 | 0.00 | 0.07 | 32.92 | 0.43 | P6 |
| P7 | 21 31.980 | 39 17.430 | 62.9M | 978746.53 | 978727.80 | 38.15 | 31.12 | 0.00 | 0.00 | 0.09 | 31.03 | 0.33 | P7 |
| P8 | 21 32.250 | 39 18.350 | 82.0M | 978741.57 | 978728.08 | 38.81 | 29.63 | 0.00 | 0.00 | 0.12 | 29.52 | 0.33 | P8 |
| Q2 | 21 29.320 | 39 10.680 | 0.5M | 978754.73 | 978725.07 | 29.82 | 29.76 | 0.00 | 0.00 | 0.00 | 29.76 | 0.03 | Q2 |
| Q3 | 21 29.640 | 39 12.270 | 11.9M | 978755.89 | 978725.40 | 34.17 | 32.84 | 0.00 | 0.00 | 0.02 | 32.82 | 0.33 | Q3 |
| Q4 | 21 29.870 | 39 14.370 | 29.8M | 978754.28 | 978725.63 | 37.85 | 34.51 | 0.00 | 0.00 | 0.04 | 34.47 | 0.33 | Q4 |
| Q5 | 21 30.010 | 39 15.170 | 38.3M | 978753.54 | 978725.78 | 39.58 | 35.30 | 0.00 | 0.00 | 0.06 | 35.24 | 0.33 | Q5 |
| Q6 | 21 30.770 | 39 16.170 | 55.3M | 978748.67 | 978726.56 | 39.19 | 33.00 | 0.00 | 0.00 | 0.08 | 32.92 | 0.33 | Q6 |
| Q7 | 21 31.130 | 39 17.600 | 64.2M | 978744.55 | 978726.93 | 37.44 | 30.26 | 0.00 | 0.00 | 0.09 | 30.16 | 0.33 | Q7 |
| Q8 | 21 31.130 | 39 18.660 | 82.2M | 978743.45 | 978726.93 | 41.90 | 32.70 | 0.00 | 0.00 | 0.12 | 32.58 | 1.09 | Q8 |
| R1 | 21 27.970 | 39 9.450 | 4.9M | 978751.24 | 978723.69 | 29.07 | 28.52 | 0.00 | 0.00 | 0.01 | 28.51 | 0.33 | R1 |
| R2 | 21 27.890 | 39 10.300 | 4.5M | 978752.67 | 978723.60 | 30.45 | 29.95 | 0.00 | 0.00 | 0.01 | 29.94 | 0.33 | R2 |
| R3 | 21 28.350 | 39 11.780 | 12.7M | 978758.01 | 978724.08 | 37.85 | 36.43 | 0.00 | 0.00 | 0.02 | 36.41 | 0.33 | R3 |
| R4 | 21 28.580 | 39 13.150 | 20.8M | 978756.68 | 978724.31 | 38.79 | 36.46 | 0.00 | 0.00 | 0.03 | 36.43 | 0.33 | R4 |
| R5 | 21 28.810 | 39 14.300 | 29.7M | 978750.05 | 978724.55 | 34.67 | 31.35 | 0.00 | 0.00 | 0.04 | 31.30 | 0.33 | R5 |
| R6 | 21 29.040 | 39 15.660 | 44.7M | 978746.69 | 978724.78 | 35.70 | 30.70 | 0.00 | 0.00 | 0.06 | 30.64 | 0.46 | R6 |
| R7 | 21 29.630 | 39 16.750 | 56.0M | 978748.52 | 978725.39 | 40.42 | 34.15 | 0.00 | 0.00 | 0.08 | 34.07 | 0.33 | R7 |
| R8 | 21 29.770 | 39 18.050 | 75.5M | 978743.62 | 978725.53 | 41.40 | 32.95 | 0.00 | 0.00 | 0.11 | 32.84 | 0.33 | R8 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R9 | 21 29.970 | 39 19.030 | 92.5M | 978739.01 | 978725.74 | 41.83 | 31.40 | 0.00 | 0.00 | 0.13 | 31.34 | 0.33 | R9 |
| S1 | 21 26.100 | 39 8.770 | 0.0M | 978750.18 | 978721.77 | 28.40 | 28.40 | 0.00 | 0.00 | 0.00 | 28.40 | 0.10 | S1 |
| S2 | 21 26.830 | 39 10.810 | 6.8M | 978752.91 | 978722.52 | 32.49 | 31.73 | 0.00 | 0.00 | 0.01 | 31.72 | 0.33 | S2 |
| S3 | 21 27.200 | 39 11.800 | 5.7M | 978755.16 | 978722.90 | 34.03 | 33.39 | 0.00 | 0.00 | 0.01 | 33.38 | 0.33 | S3 |
| S4 | 21 27.450 | 39 13.260 | 20.0M | 978760.11 | 978723.15 | 43.13 | 40.89 | 0.00 | 0.00 | 0.03 | 40.86 | 0.33 | S4 |
| S5 | 21 27.900 | 39 14.420 | 29.0M | 978749.95 | 978723.61 | 35.29 | 32.04 | 0.00 | 0.00 | 0.04 | 32.00 | 0.33 | S5 |
| S6 | 21 28.120 | 39 15.610 | 42.1M | 978745.57 | 978723.84 | 34.73 | 30.01 | 0.00 | 0.00 | 0.06 | 29.95 | 0.33 | S6 |
| S7 | 21 28.380 | 39 16.800 | 58.1M | 978743.76 | 978724.11 | 37.59 | 31.09 | 0.00 | 0.00 | 0.08 | 31.00 | 0.33 | S7 |
| S8 | 21 28.600 | 39 18.240 | 79.4M | 978743.01 | 978724.41 | 43.11 | 34.23 | 0.00 | 0.00 | 0.11 | 34.11 | 0.53 | S8 |
| S9 | 21 28.700 | 39 19.280 | 100.3M | 978739.18 | 978724.43 | 45.71 | 34.49 | 0.00 | 0.00 | 0.14 | 34.35 | 0.50 | S9 |
| T1 | 21 25.030 | 39 9.550 | 0.6M | 978749.53 | 978721.50 | 28.22 | 28.15 | 0.00 | 0.00 | 0.00 | 28.15 | 0.20 | T1 |
| T2 | 21 25.750 | 39 10.630 | 1.9M | 978751.15 | 978721.41 | 30.32 | 30.11 | 0.00 | 0.00 | 0.00 | 30.11 | 0.33 | T2 |
| T3 | 21 26.050 | 39 11.710 | 7.7M | 978755.05 | 978721.72 | 35.71 | 34.05 | 0.00 | 0.00 | 0.01 | 34.03 | 0.43 | T3 |
| T4 | 21 26.160 | 39 13.100 | 13.0M | 978757.21 | 978721.83 | 39.39 | 37.93 | 0.00 | 0.00 | 0.02 | 37.92 | 0.33 | T4 |
| T5 | 21 26.770 | 39 14.070 | 28.9M | 978750.49 | 978722.46 | 36.95 | 33.72 | 0.00 | 0.00 | 0.04 | 33.68 | 0.66 | T5 |
| T6 | 21 27.180 | 39 15.050 | 39.9M | 978745.37 | 978722.88 | 34.81 | 30.34 | 0.00 | 0.00 | 0.06 | 30.29 | 0.76 | T6 |
| T7 | 21 27.300 | 39 17.300 | 78.6M | 978740.01 | 978723.00 | 41.27 | 32.40 | 0.00 | 0.00 | 0.11 | 32.37 | 0.33 | T7 |
| T8 | 21 27.500 | 39 18.420 | 99.5M | 978740.51 | 978723.20 | 41.85 | 32.95 | 0.00 | 0.00 | 0.11 | 32.84 | 0.33 | T8 |
| T9 | 21 27.870 | 39 19.560 | 106.0M | 978735.99 | 978723.58 | 45.38 | 33.43 | 0.00 | 0.00 | 0.15 | 33.28 | 0.86 | T9 |
| U0 | 21 23.440 | 39 9.670 | 3.1M | 978747.34 | 978719.05 | 29.24 | 28.90 | 0.00 | 0.00 | 0.00 | 28.89 | 0.53 | U0 |
| U1 | 21 23.930 | 39 9.070 | 3.0M | 978747.92 | 978719.55 | 29.29 | 28.95 | 0.00 | 0.00 | 0.00 | 28.95 | 0.53 | U1 |
| U3 | 21 24.280 | 39 11.800 | 4.1M | 978749.26 | 978719.91 | 30.62 | 30.16 | 0.00 | 0.00 | 0.01 | 30.15 | 0.43 | U3 |
| U4 | 21 24.700 | 39 12.290 | 4.2M | 978752.59 | 978720.34 | 33.55 | 33.08 | 0.00 | 0.00 | 0.01 | 33.08 | 0.33 | U4 |
| U5 | 21 25.260 | 39 13.420 | 21.4M | 978754.26 | 978720.91 | 39.95 | 37.56 | 0.00 | 0.00 | 0.03 | 37.53 | 0.79 | U5 |
| U6 | 21 25.700 | 39 14.900 | 33.0M | 978754.42 | 978721.36 | 43.24 | 39.55 | 0.00 | 0.00 | 0.05 | 39.50 | 1.88 | U6 |
| U7 | 21 25.840 | 39 16.410 | 64.7M | 978743.23 | 978721.51 | 41.70 | 34.46 | 0.00 | 0.00 | 0.09 | 34.36 | 0.60 | U7 |
| U8 | 21 26.140 | 39 17.600 | 55.7M | 978742.14 | 978721.81 | 37.52 | 31.29 | 0.00 | 0.00 | 0.08 | 31.21 | 0.60 | U8 |
| U9 | 21 26.300 | 39 18.770 | 74.4M | 978738.76 | 978722.06 | 39.67 | 31.35 | 0.00 | 0.00 | 0.11 | 31.24 | 0.33 | U9 |
| C10 | 21 46.640 | 39 14.260 | 52.9M | 978767.21 | 978742.92 | 40.62 | 34.70 | 0.00 | 0.00 | 0.08 | 34.62 | 0.36 | C10 |
| CD1 | 21 44.300 | 39 7.680 | 2.7M | 978765.47 | 978740.58 | 25.72 | 25.42 | 0.00 | 0.00 | 0.00 | 25.42 | 0.33 | CD1 |
| D10 | 21 45.440 | 39 14.750 | 51.8M | 978760.87 | 978741.68 | 35.18 | 29.39 | 0.00 | 0.00 | 0.07 | 29.31 | 0.40 | D10 |
| I5A | 21 38.930 | 39 11.630 | 30.1M | 978773.09 | 978734.95 | 47.43 | 44.06 | 0.00 | 0.00 | 0.04 | 44.02 | 1.09 | I5A |
| I5B | 21 39.180 | 39 12.870 | 45.2M | 978767.89 | 978735.21 | 46.64 | 41.58 | 0.00 | 0.00 | 0.07 | 41.52 | 0.96 | I5B |
| J10 | 21 38.740 | 39 16.550 | 85.7M | 978744.61 | 978734.75 | 36.31 | 26.72 | 0.00 | 0.00 | 0.12 | 26.60 | 0.33 | J10 |
| JB1 | 21 31.310 | 39 10.550 | 5.0M | 978753.58 | 978727.11 | 28.01 | 27.45 | 0.00 | 0.00 | 0.01 | 27.45 | 0.33 | JB1 |
| JB2 | 21 31.330 | 39 10.580 | 7.6M | 978753.33 | 978727.13 | 28.55 | 27.70 | 0.00 | 0.00 | 0.01 | 27.69 | 0.17 | JB2 |
| K10 | 21 37.660 | 39 16.770 | 85.5M | 978745.22 | 978733.64 | 37.98 | 28.41 | 0.00 | 0.00 | 0.12 | 28.29 | 0.33 | K10 |
| N10 | 21 34.300 | 39 17.790 | 73.4M | 978749.56 | 978730.18 | 42.04 | 33.83 | 0.00 | 0.00 | 0.11 | 33.72 | 0.76 | N10 |
| O10 | 21 33.390 | 39 18.020 | 80.6M | 978745.10 | 978729.25 | 40.74 | 31.72 | 0.00 | 0.00 | 0.12 | 31.60 | 0.33 | O10 |
| OP1 | 21 31.280 | 39 12.150 | 11.4M | 978759.37 | 978727.08 | 35.81 | 34.53 | 0.00 | 0.00 | 0.02 | 34.52 | 0.40 | OP1 |
| OP2 | 21 31.500 | 39 13.470 | 26.2M | 978768.39 | 978727.31 | 49.17 | 46.24 | 0.00 | 0.00 | 0.04 | 46.20 | 0.33 | OP2 |
| QR1 | 21 28.870 | 39 11.450 | 12.3M | 978756.45 | 978724.61 | 35.64 | 34.27 | 0.00 | 0.00 | 0.02 | 34.25 | 0.63 | QR1 |
| TU1 | 21 24.650 | 39 9.970 | 3.3M | 978748.33 | 978720.29 | 29.06 | 28.69 | 0.00 | 0.00 | 0.00 | 28.69 | 0.66 | TU1 |
| TU2 | 21 25.030 | 39 10.990 | 4.1M | 978750.95 | 978720.68 | 31.54 | 31.00 | 0.00 | 0.00 | 0.01 | 31.00 | 0.43 | TU2 |
| U10 | 21 26.410 | 39 19.900 | 92.1M | 978735.51 | 978722.09 | 41.85 | 31.54 | 0.00 | 0.00 | 0.13 | 31.41 | 0.33 | U10 |
| U1A | 21 24.040 | 39 9.540 | 4.1M | 978748.24 | 978719.67 | 29.84 | 29.38 | 0.00 | 0.00 | 0.01 | 29.37 | 0.10 | U1A |
| UV1 | 21 24.180 | 39 11.600 | 1.0M | 978750.36 | 978719.81 | 30.86 | 30.75 | 0.00 | 0.00 | 0.00 | 30.75 | 0.60 | UV1 |
| UV2 | 21 24.590 | 39 13.710 | 12.0M | 978752.33 | 978720.23 | 35.81 | 34.46 | 0.00 | 0.00 | 0.02 | 34.45 | 0.50 | UV2 |
| UV3 | 21 24.960 | 39 15.340 | 32.6M | 978751.73 | 978720.61 | 41.19 | 37.54 | 0.00 | 0.00 | 0.05 | 37.50 | 1.12 | UV3 |
| UV4 | 21 25.170 | 39 16.590 | 68.0M | 978742.77 | 978720.82 | 42.94 | 35.33 | 0.00 | 0.00 | 0.10 | 35.23 | 0.60 | UV4 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map–Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | GRA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UV5 | 21 25.440 | 39 17.780 | 68.7M | 978741.46 | 978721.10 | 41.57 | 33.89 | 0.00 | 0.00 | 0.10 | 33.79 | 0.33 | UV5 |
| UV6 | 21 25.750 | 39 18.950 | 90.0M | 978736.82 | 978721.44 | 43.19 | 33.12 | 0.00 | 0.00 | 0.13 | 32.99 | 0.40 | UV6 |
| J001 | 21 29.360 | 39 10.400 | 0.0M | 978754.14 | 978725.11 | 29.03 | 29.03 | 0.00 | 0.00 | 0.00 | 29.03 | 0.10 | J001 |
| J002 | 21 30.060 | 39 10.710 | 0.0M | 978754.96 | 978725.83 | 29.13 | 29.13 | 0.00 | 0.00 | 0.00 | 29.13 | 0.10 | J002 |
| J003 | 21 29.880 | 39 9.850 | 0.0M | 978754.12 | 978725.64 | 28.48 | 28.48 | 0.00 | 0.00 | 0.00 | 28.48 | 0.10 | J003 |
| J004 | 21 31.340 | 39 9.100 | 0.0M | 978756.02 | 978727.14 | 28.88 | 28.88 | 0.00 | 0.00 | 0.00 | 28.88 | 0.10 | J004 |
| J005 | 21 31.080 | 39 9.230 | 0.0M | 978754.89 | 978726.87 | 28.01 | 28.01 | 0.00 | 0.00 | 0.00 | 28.01 | 0.10 | J005 |
| J006 | 21 31.660 | 39 9.850 | 0.0M | 978754.72 | 978727.47 | 27.25 | 27.25 | 0.00 | 0.00 | 0.00 | 27.25 | 0.10 | J006 |
| J007 | 21 31.330 | 39 9.860 | 3.0M | 978754.82 | 978727.13 | 28.62 | 28.28 | 0.00 | 0.00 | 0.00 | 28.28 | 0.33 | J007 |
| J008 | 21 31.670 | 39 10.730 | 5.0M | 978754.24 | 978727.48 | 28.30 | 27.75 | 0.00 | 0.00 | 0.01 | 27.74 | 0.33 | J008 |
| J009 | 21 39.630 | 39 6.060 | 0.0M | 978763.05 | 978735.67 | 27.38 | 27.38 | 0.00 | 0.00 | 0.00 | 27.38 | 0.10 | J009 |
| J010 | 21 42.510 | 39 5.380 | 0.0M | 978768.23 | 978738.65 | 29.58 | 29.58 | 0.00 | 0.00 | 0.00 | 29.58 | 0.10 | J010 |
| J012 | 21 43.410 | 39 6.970 | 0.0M | 978765.98 | 978739.58 | 26.41 | 26.41 | 0.00 | 0.00 | 0.00 | 26.41 | 0.10 | J012 |
| J011 | 21 43.140 | 39 5.970 | 0.0M | 978768.27 | 978739.30 | 28.97 | 28.97 | 0.00 | 0.00 | 0.00 | 28.97 | 0.10 | J011 |
| AF001 | 17 43.450 | -42 13.090 | 62.0M | 978520.64 | 978510.55 | 29.23 | 22.29 | 0.00 | 0.00 | 0.09 | 22.20 | 1.01 | AF001 |
| AF002 | 16 55.010 | -42 33.400 | 3.0M | 978484.21 | 978469.17 | 15.96 | 15.63 | 0.00 | 0.00 | 0.00 | 15.62 | 0.13 | AF002 |
| AF003 | 16 53.880 | -42 24.910 | 0.0M | 978469.37 | 978468.22 | 1.15 | 1.15 | 0.00 | 0.00 | 0.00 | 1.15 | 0.45 | AF003 |
| AF004 | 16 52.350 | -42 18.960 | 0.0M | 978473.83 | 978466.94 | 6.88 | 6.88 | 0.00 | 0.00 | 0.00 | 6.88 | 0.43 | AF004 |
| AF005 | 16 40.370 | -42 12.420 | 0.0M | 978472.60 | 978463.63 | 8.97 | 8.97 | 0.00 | 0.00 | 0.00 | 8.97 | 0.45 | AF005 |
| AF006 | 16 45.300 | -42 8.870 | 0.0M | 978453.22 | 978461.07 | -7.85 | -7.85 | 0.00 | 0.00 | 0.00 | -7.85 | 0.43 | AF006 |
| AF007 | 16 43.580 | 42 3.400 | 0.0M | 978450.07 | 978459.65 | -9.58 | -9.58 | 0.00 | 0.00 | 0.00 | -9.58 | 0.43 | AF007 |
| AF008 | 16 40.620 | 41 59.530 | 0.0M | 978453.94 | 978457.20 | 3.26 | -3.26 | 0.00 | 0.00 | 0.00 | -3.26 | 0.44 | AF008 |
| AF009 | 16 37.990 | 41 55.790 | 0.0M | 978461.46 | 978455.03 | 6.43 | 6.43 | 0.00 | 0.00 | 0.00 | 6.43 | 0.42 | AF009 |
| AF010 | 16 34.650 | 41 51.630 | 0.0M | 978463.94 | 978452.28 | 11.66 | 11.66 | 0.00 | 0.00 | 0.00 | 11.66 | 0.42 | AF010 |
| AF011 | 16 28.660 | -41 53.700 | 0.0M | 978457.47 | 978447.37 | 10.10 | 10.10 | 0.00 | 0.00 | 0.00 | 10.10 | 0.42 | AF011 |
| AF012 | 16 29.380 | -41 57.460 | 0.0M | 978459.44 | 978447.96 | 11.49 | 11.49 | 0.00 | 0.00 | 0.00 | 11.49 | 0.42 | AF012 |
| AF013 | 16 31.810 | -42 3.300 | 0.0M | 978455.13 | 978449.95 | 5.19 | 5.19 | 0.00 | 0.00 | 0.00 | 5.19 | 0.42 | AF013 |
| AF014 | 16 35.770 | 42 11.290 | 0.0M | 978442.72 | 978453.20 | 10.48 | 10.48 | 0.00 | 0.00 | 0.00 | -10.48 | 0.46 | AF014 |
| AF015 | 16 38.880 | 42 12.260 | 0.6M | 978450.14 | 978455.76 | -5.44 | -5.50 | 0.00 | 0.00 | 0.00 | -5.51 | 0.46 | AF015 |
| AF016 | 16 43.310 | -42 16.600 | 0.0M | 978464.48 | 978459.43 | 5.06 | 5.06 | 0.00 | 0.00 | 0.00 | 5.06 | 0.42 | AF016 |
| AF017 | 16 47.750 | -42 27.920 | 0.0M | 978467.31 | 978463.11 | 4.20 | 4.20 | 0.00 | 0.00 | 0.00 | 4.20 | 0.45 | AF017 |
| AF018 | 16 41.890 | -42 33.740 | 0.0M | 978457.81 | 978458.25 | -0.44 | -0.44 | 0.00 | 0.00 | 0.00 | -0.44 | 0.42 | AF018 |
| AF019 | 16 35.950 | 42 22.450 | 0.0M | 978439.33 | 978453.35 | 14.01 | 14.01 | 0.00 | 0.00 | 0.00 | -14.01 | 0.42 | AF019 |
| AF020 | 16 36.960 | 42 16.320 | 0.0M | 978439.46 | 978454.18 | -14.72 | -14.72 | 0.00 | 0.00 | 0.00 | -14.72 | 0.51 | AF020 |
| AF021 | 16 25.300 | -42 17.080 | 0.0M | 978434.70 | 978444.63 | -9.92 | -9.92 | 0.00 | 0.00 | 0.00 | -9.92 | 0.42 | AF021 |
| AF022 | 16 31.070 | 42 15.470 | 0.0M | 978432.46 | 978449.34 | 16.88 | 16.88 | 0.00 | 0.00 | 0.00 | 16.88 | 0.42 | AF022 |
| AF023 | 16 29.650 | -42 18.960 | 0.0M | 978435.61 | 978448.18 | 12.57 | -12.57 | 0.00 | 0.00 | 0.00 | 12.57 | 0.41 | AF023 |
| AF024 | 16 25.950 | 42 24.910 | 0.0M | 978433.94 | 978445.16 | -11.21 | -11.21 | 0.00 | 0.00 | 0.00 | -11.21 | 0.42 | AF024 |
| AF025 | 16 25.650 | -42 29.750 | 0.0M | 978440.54 | 978444.91 | -4.37 | -4.37 | 0.00 | 0.00 | 0.00 | -4.37 | 0.42 | AF025 |
| AF026 | 16 27.500 | -42 39.910 | 0.0M | 978449.17 | 978446.42 | 2.75 | 2.75 | 0.00 | 0.00 | 0.00 | 2.75 | 0.42 | AF026 |
| AF027 | 16 25.030 | -42 40.380 | 0.0M | 978447.60 | 978444.41 | 3.19 | 3.19 | 0.00 | 0.00 | 0.00 | 3.19 | 0.42 | AF027 |
| AF028 | 16 25.210 | -42 46.790 | 0.0M | 978463.72 | 978444.55 | 19.17 | 19.17 | 0.00 | 0.00 | 0.00 | 19.17 | 0.10 | AF028 |
| AF029 | 16 59.450 | 42 26.320 | 0.0M | 978487.83 | 978472.89 | 14.94 | 14.94 | 0.00 | 0.00 | 0.00 | 14.94 | 0.45 | AF029 |
| AF030 | 17 2.910 | -42 18.350 | 0.0M | 978481.10 | 978475.80 | 5.30 | 5.30 | 0.00 | 0.00 | 0.00 | 5.30 | 0.43 | AF030 |
| AF031 | 17 8.980 | -42 14.120 | 0.0M | 978495.40 | 978480.93 | 14.48 | 14.48 | 0.00 | 0.00 | 0.00 | 14.48 | 0.43 | AF031 |
| AF032 | 17 6.140 | 42 4.140 | 0.0M | 978490.17 | 978478.53 | 11.65 | 11.65 | 0.00 | 0.00 | 0.00 | 11.65 | 0.43 | AF032 |
| AF033 | 17 5.190 | -41 55.460 | 3.0M | 978479.01 | 978477.72 | 2.22 | 1.88 | 0.00 | 0.00 | 0.00 | 1.88 | 0.58 | AF033 |
| AF034 | 17 0.020 | 41 51.140 | 0.0M | 978466.71 | 978473.37 | -6.66 | -6.66 | 0.00 | 0.00 | 0.00 | -6.66 | 0.42 | AF034 |
| AF035 | 16 58.580 | -41 58.400 | 0.0M | 978472.16 | 978472.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | AF035 |
| AF036 | 16 59.290 | -42 2.060 | 4.3M | 978473.90 | 978472.75 | 2.47 | 1.99 | 0.00 | 0.00 | 0.01 | 1.99 | 0.51 | AF036 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AF037 | 16 53.950 | 42 18.530 | 1.0M | 978477.68 | 978468.28 | 9.95 | 9.75 | 0.00 | 0.00 | 0.00 | 9.75 | 0.51 | AF037 |
| AF038 | 16 26.970 | 42 56.770 | 58.7M | 978472.79 | 978445.99 | 44.92 | 38.35 | 0.00 | 0.00 | 0.08 | 38.27 | 0.50 | AF038 |
| AF039 | 16 32.950 | -42 49.870 | 23.1M | 978472.25 | 978450.88 | 28.50 | 25.91 | 0.00 | 0.00 | 0.03 | 25.88 | 0.50 | AF039 |
| AF040 | 16 33.760 | -42 43.140 | 0.0M | 978470.15 | 978451.55 | 18.60 | 18.60 | 0.00 | 0.00 | 0.00 | 18.60 | 0.13 | AF040 |
| AF041 | 16 38.370 | 42 53.110 | 39.5M | 978476.72 | 978455.34 | 33.57 | 29.15 | 0.00 | 0.00 | 0.06 | 29.09 | 0.50 | AF041 |
| AF042 | 16 40.350 | -42 43.190 | 0.0M | 978472.82 | 978456.98 | 15.84 | 15.84 | 0.00 | 0.00 | 0.00 | 15.84 | 0.10 | AF042 |
| AF043 | 16 44.420 | -42 41.540 | 0.6M | 978476.46 | 978460.35 | 16.30 | 16.24 | 0.00 | 0.00 | 0.00 | 16.24 | 0.10 | AF043 |
| AF044 | 16 46.660 | 42 49.560 | 34.7M | 978476.91 | 978462.20 | 25.42 | 21.54 | 0.00 | 0.00 | 0.05 | 21.49 | 0.50 | AF044 |
| AF045 | 16 53.610 | 42 48.800 | 44.7M | 978487.53 | 978468.00 | 33.33 | 28.33 | 0.00 | 0.00 | 0.06 | 28.26 | 0.50 | AF045 |
| AF046 | 16 47.910 | 42 38.790 | 0.0M | 978480.90 | 978463.24 | 17.66 | 17.66 | 0.00 | 0.00 | 0.00 | 17.66 | 0.10 | AF046 |
| AF047 | 16 51.170 | -42 33.910 | 0.0M | 978480.76 | 978465.96 | 14.80 | 14.80 | 0.00 | 0.00 | 0.00 | 14.80 | 0.10 | AF047 |
| AF048 | 16 56.320 | -42 32.810 | 0.0M | 978486.08 | 978470.26 | 16.62 | 16.62 | 0.00 | 0.00 | 0.00 | 16.62 | 0.17 | AF048 |
| AF049 | 17 0.890 | -42 31.320 | 0.0M | 978494.45 | 978474.10 | 20.35 | 20.35 | 0.00 | 0.00 | 0.00 | 20.35 | 0.10 | AF049 |
| AF050 | 17 2.800 | -42 27.320 | 0.0M | 978494.27 | 978475.71 | 18.56 | 18.56 | 0.00 | 0.00 | 0.00 | 18.56 | 0.10 | AF050 |
| AF051 | 17 4.730 | 42 21.840 | 0.0M | 978494.89 | 978477.33 | 17.55 | 17.55 | 0.00 | 0.00 | 0.00 | 17.55 | 0.10 | AF051 |
| AF052 | 17 9.240 | -42 24.520 | 0.0M | 978496.83 | 978481.15 | 15.69 | 15.69 | 0.00 | 0.00 | 0.00 | 15.69 | 0.10 | AF052 |
| AF053 | 17 12.220 | 42 20.660 | 0.0M | 978488.84 | 978483.68 | 5.16 | 5.16 | 0.00 | 0.00 | 0.00 | 5.16 | 0.13 | AF053 |
| AF054 | 17 14.440 | 42 19.670 | 0.0M | 978503.01 | 978485.56 | 17.44 | 17.44 | 0.00 | 0.00 | 0.00 | 17.44 | 0.17 | AF054 |
| AF055 | 17 19.890 | 42 18.680 | 0.0M | 978514.51 | 978490.21 | 24.30 | 24.30 | 0.00 | 0.00 | 0.00 | 24.30 | 0.10 | AF055 |
| AF056 | 17 7.120 | 42 38.200 | 38.4M | 978489.72 | 978479.35 | 22.22 | 17.92 | 0.00 | 0.00 | 0.06 | 17.86 | 0.03 | AF056 |
| AF057 | 17 5.320 | 42 43.850 | 64.5M | 978485.66 | 978477.83 | 27.74 | 20.53 | 0.00 | 0.00 | 0.09 | 20.43 | 0.34 | AF057 |
| AF058 | 17 2.120 | 42 47.180 | 66.7M | 978494.64 | 978475.13 | 40.10 | 32.63 | 0.00 | 0.00 | 0.10 | 32.54 | 0.33 | AF058 |
| AF059 | 16 57.830 | 42 49.810 | 63.9M | 978502.41 | 978471.53 | 50.61 | 43.46 | 0.00 | 0.00 | 0.09 | 43.37 | 0.04 | AF059 |
| AF060 | 17 22.470 | -42 32.500 | 77.0M | 978515.07 | 978492.42 | 46.67 | 37.96 | 0.00 | 0.00 | 0.11 | 37.85 | 0.03 | AF060 |
| AF061 | 17 18.890 | 42 35.310 | 59.2M | 978506.01 | 978489.36 | 34.93 | 28.31 | 0.00 | 0.00 | 0.09 | 28.22 | 0.03 | AF061 |
| AF062 | 17 14.640 | 42 37.230 | 48.1M | 978494.38 | 978485.73 | 23.50 | 18.11 | 0.00 | 0.00 | 0.07 | 18.04 | 0.03 | AF062 |
| AF063 | 17 1.880 | -42 37.870 | 25.1M | 978492.84 | 978474.93 | 25.66 | 22.85 | 0.00 | 0.00 | 0.04 | 22.82 | 0.03 | AF063 |
| AF064 | 16 56.090 | 42 40.710 | 26.2M | 978480.39 | 978470.07 | 26.41 | 23.48 | 0.00 | 0.00 | 0.04 | 23.44 | 0.37 | AF064 |
| AF065 | 16 58.640 | -42 45.680 | 52.3M | 978494.15 | 978472.21 | 38.09 | 32.24 | 0.00 | 0.00 | 0.08 | 32.16 | 0.37 | AF065 |
| AF066 | 17 24.160 | -42 37.120 | 115.5M | 978480.23 | 978493.87 | 22.02 | 9.10 | 0.00 | 0.00 | 0.16 | 8.93 | 0.34 | AF066 |
| AF067 | 17 28.400 | 42 38.820 | 154.6M | 978429.28 | 978497.51 | -20.51 | -37.81 | 0.00 | 0.00 | 0.22 | -38.02 | 0.50 | AF067 |
| AF068 | 17 27.640 | -42 33.920 | 109.6M | 978492.73 | 978496.86 | 29.71 | 17.45 | 0.00 | 0.00 | 0.16 | 17.29 | 0.33 | AF068 |
| AF069 | 17 26.420 | 42 30.130 | 94.1M | 978518.50 | 978495.81 | 54.74 | 41.21 | 0.00 | 0.00 | 0.13 | 41.08 | 0.03 | AF069 |
| AF070 | 17 24.810 | -42 27.980 | 64.3M | 978528.62 | 978494.43 | 54.05 | 46.86 | 0.00 | 0.00 | 0.09 | 46.76 | 0.60 | AF070 |
| AF071 | 17 13.460 | -42 42.260 | 73.9M | 978479.33 | 978484.73 | 17.42 | 9.15 | 0.00 | 0.00 | 0.11 | 9.04 | 0.33 | AF071 |
| AF072 | 17 16.330 | -42 45.840 | 108.2M | 978442.54 | 978487.17 | -4.23 | -16.34 | 0.00 | 0.00 | 0.15 | -16.49 | 0.37 | AF072 |
| AF073 | 17 19.350 | 42 49.170 | 163.8M | 978410.77 | 978489.75 | -28.41 | -46.74 | 0.00 | 0.00 | 0.23 | -46.97 | 0.47 | AF073 |
| AF074 | 17 25.960 | -42 52.310 | 327.7M | 978365.03 | 978495.41 | -29.22 | -65.89 | 0.00 | 0.00 | 0.44 | -66.33 | 0.42 | AF074 |
| AF075 | 17 3.990 | 42 56.020 | 186.1M | 978455.65 | 978476.71 | 36.40 | 15.57 | 0.00 | 0.00 | 0.26 | 15.31 | 0.33 | AF075 |
| AF076 | 17 0.760 | 42 54.660 | 131.8M | 978485.48 | 978473.99 | 52.18 | 37.43 | 0.00 | 0.00 | 0.19 | 37.25 | 0.04 | AF076 |
| AF077 | 17 1.590 | 42 58.950 | 175.2M | 978428.50 | 978474.69 | 7.90 | -11.71 | 0.00 | 0.00 | 0.25 | -11.95 | 0.50 | AF077 |
| AF078 | 16 57.630 | -43 1.310 | 220.4M | 978401.55 | 978471.36 | 0.70 | -24.86 | 0.00 | 0.00 | 0.32 | -25.17 | 0.50 | AF078 |
| AF079 | 16 53.180 | -42 51.890 | 54.1M | 978490.61 | 978467.64 | 39.68 | 33.63 | 0.00 | 0.00 | 0.08 | 33.55 | 0.50 | AF079 |
| AF080 | 16 48.430 | 42 53.710 | 69.5M | 978473.71 | 978463.68 | 31.49 | 23.72 | 0.00 | 0.00 | 0.10 | 23.62 | 0.50 | AF080 |
| AF081 | 16 43.420 | -42 57.310 | 89.3M | 978469.86 | 978459.52 | 37.91 | 27.92 | 0.00 | 0.00 | 0.13 | 27.79 | 0.52 | AF081 |
| AF082 | 16 36.280 | 42 56.050 | 83.8M | 978483.19 | 978453.62 | 55.44 | 46.06 | 0.00 | 0.00 | 0.12 | 45.94 | 0.50 | AF082 |
| AF083 | 16 31.790 | -42 52.290 | 56.3M | 978473.23 | 978449.93 | 40.69 | 34.39 | 0.00 | 0.00 | 0.08 | 34.30 | 0.50 | AF083 |
| AF084 | 16 25.000 | -42 50.250 | 39.9M | 978462.87 | 978444.38 | 30.81 | 26.34 | 0.00 | 0.00 | 0.06 | 26.28 | 0.50 | AF084 |
| AF085 | 16 29.480 | 42 48.450 | 37.7M | 978468.61 | 978448.04 | 32.21 | 27.99 | 0.00 | 0.00 | 0.05 | 27.93 | 0.78 | AF085 |
| AF086 | 16 35.770 | 42 46.610 | 30.1M | 978472.82 | 978453.20 | 28.91 | 25.55 | 0.00 | 0.00 | 0.04 | 25.50 | 0.78 | AF086 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map–Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AF087 | 17 2.940 | 43 4.860 | 223.5M | 978363.07 | 978475.83 | -43.76 | -68.77 | 0.00 | 0.00 | 0.31 | -69.08 | 0.50 | AF087 |
| AF088 | 17 16.220 | 42 41.530 | 80.9M | 978477.39 | 978487.08 | 15.29 | 6.24 | 0.00 | 0.00 | 0.12 | 6.12 | 0.33 | AF088 |
| AF089 | 17 18.020 | 42 46.160 | 135.0M | 978429.57 | 978469.30 | 18.05 | 33.15 | 0.00 | 0.00 | 0.19 | 33.35 | 0.39 | AF089 |
| AF090 | 17 22.080 | -42 49.430 | 243.8M | 978383.08 | 978492.08 | 32.94 | 60.22 | 0.00 | 0.00 | 0.34 | -60.56 | 0.50 | AF090 |
| AF091 | 17 7.130 | 42 48.480 | 89.6M | 978491.56 | 978479.36 | 39.06 | 29.83 | 0.00 | 0.00 | 0.13 | 29.70 | 0.50 | AF091 |
| AF092 | 17 8.860 | 42 52.800 | 131.4M | 978460.13 | 978480.83 | 19.87 | 5.17 | 0.00 | 0.00 | 0.19 | 4.98 | 0.66 | AF092 |
| AF093 | 16 43.120 | 42 47.500 | 24.2M | 978474.20 | 978459.27 | 22.40 | 19.69 | 0.00 | 0.00 | 0.04 | 19.66 | 0.39 | AF093 |
| AF094 | 16 43.440 | -42 52.120 | 49.9M | 978471.38 | 978459.53 | 27.25 | 21.67 | 0.00 | 0.00 | 0.07 | 21.60 | 0.53 | AF094 |
| AF095 | 16 47.870 | 42 44.900 | 8.0M | 978482.88 | 978463.21 | 22.14 | 21.25 | 0.00 | 0.00 | 0.01 | 21.24 | 0.39 | AF095 |
| AF096 | 16 52.870 | -42 42.620 | 26.0M | 978487.74 | 978467.38 | 28.39 | 25.48 | 0.00 | 0.00 | 0.04 | 25.44 | 0.33 | AF096 |
| AF097 | 17 11.040 | 42 30.230 | 10.0M | 978498.25 | 978482.67 | 18.67 | 17.55 | 0.00 | 0.00 | 0.01 | 17.53 | 0.51 | AF097 |
| AF098 | 17 15.760 | 42 25.940 | 26.9M | 978515.35 | 978486.69 | 36.97 | 33.96 | 0.00 | 0.00 | 0.04 | 33.92 | 0.54 | AF098 |
| AF099 | 17 21.200 | -42 24.980 | 34.7M | 978519.86 | 978491.33 | 39.24 | 35.35 | 0.00 | 0.00 | 0.05 | 35.30 | 0.50 | AF099 |
| AF100 | 17 25.090 | 42 23.930 | 29.1M | 978525.90 | 978495.35 | 39.53 | 36.28 | 0.00 | 0.00 | 0.04 | 36.24 | 0.50 | AF100 |
| AF101 | 17 7.240 | -42 31.310 | 5.0M | 978496.03 | 978479.46 | 18.12 | 17.56 | 0.00 | 0.00 | 0.01 | 17.55 | 0.50 | AF101 |
| AF102 | 17 0.440 | -42 40.360 | 28.6M | 978492.50 | 978473.72 | 27.60 | 24.40 | 0.00 | 0.00 | 0.04 | 24.36 | 0.65 | AF102 |
| AF103 | 17 19.740 | -42 41.160 | 82.1M | 978465.59 | 978490.08 | 0.85 | -8.33 | 0.00 | 0.00 | 0.12 | -8.45 | 0.33 | AF103 |
| AF104 | 17 24.070 | -42 44.140 | 167.5M | 978407.17 | 978493.79 | -34.91 | -53.65 | 0.00 | 0.00 | 0.24 | -53.89 | 0.50 | AF104 |
| AF105 | 17 28.020 | -42 47.410 | 394.1M | 978353.88 | 978497.18 | -21.64 | -65.74 | 0.00 | 0.00 | 0.52 | -66.26 | 0.66 | AF105 |
| AF106 | 17 18.980 | 42 53.860 | 222.5M | 978302.97 | 978489.43 | 37.77 | 62.67 | 0.00 | 0.00 | 0.31 | -62.97 | 0.66 | AF106 |
| AF107 | 17 12.360 | 42 58.580 | 229.0M | 978386.80 | 978483.79 | -26.30 | -51.92 | 0.00 | 0.00 | 0.32 | 52.24 | 0.99 | AF107 |
| AF108 | 17 12.030 | 42 48.750 | 116.0M | 978464.48 | 978483.51 | 16.78 | 3.80 | 0.00 | 0.00 | 0.17 | 3.64 | 0.99 | AF108 |
| AF109 | 17 11.710 | -42 51.460 | 149.0M | 978446.84 | 978483.24 | 9.60 | -7.07 | 0.00 | 0.00 | 0.21 | -7.28 | 0.99 | AF109 |
| AF110 | 17 11.920 | 42 53.920 | 182.0M | 978418.79 | 978483.42 | 8.44 | -20.81 | 0.00 | 0.00 | 0.25 | -29.07 | 0.99 | AF110 |
| AF111 | 17 8.620 | -43 1.410 | 242.0M | 978370.29 | 978480.62 | -35.62 | 62.70 | 0.00 | 0.00 | 0.33 | -63.03 | 0.99 | AF111 |
| AF112 | 17 7.220 | -43 7.060 | 322.0M | 978315.39 | 978479.44 | 64.64 | -100.68 | 0.00 | 0.00 | 0.43 | -101.11 | 0.99 | AF112 |
| AF113 | 17 2.090 | 43 2.400 | 204.0M | 978381.21 | 978475.78 | 31.59 | -54.42 | 0.00 | 0.00 | 0.28 | -54.70 | 0.99 | AF113 |
| AF114 | 16 45.440 | -43 6.840 | 145.6M | 978388.54 | 978461.19 | 27.70 | -43.99 | 0.00 | 0.00 | 0.21 | -44.19 | 0.66 | AF114 |
| AF115 | 16 48.910 | -43 11.030 | 216.6M | 978337.00 | 978464.08 | 58.21 | -82.44 | 0.00 | 0.00 | 0.30 | -82.74 | 0.99 | AF115 |
| AF116 | 17 1.400 | 43 8.620 | 1448.6M | 978076.66 | 978474.53 | 42.22 | -112.87 | 0.00 | 0.00 | 1.38 | -114.25 | 0.99 | AF116 |
| AF117 | 16 41.410 | 43 5.000 | 122.6M | 978435.60 | 978457.85 | 15.60 | 1.88 | 0.00 | 0.00 | 0.17 | 1.71 | 0.99 | AF117 |
| AF118 | 16 37.630 | 43 2.710 | 84.6M | 978470.96 | 978454.73 | 50.34 | 40.88 | 0.00 | 0.00 | 0.12 | 40.76 | 0.99 | AF118 |
| AF119 | 17 27.560 | 42 57.410 | 834.5M | 978251.51 | 978496.79 | 12.32 | -81.06 | 0.00 | 0.00 | 0.98 | -82.04 | 0.50 | AF119 |
| AF120 | 17 31.190 | -43 1.000 | 1082.5M | 978183.96 | 978499.92 | -18.17 | -102.96 | 0.00 | 0.00 | 1.17 | -104.13 | 0.50 | AF120 |
| AF121 | 17 32.760 | -43 5.260 | 1006.1M | 978189.12 | 978501.27 | -1.61 | -114.19 | 0.00 | 0.00 | 1.12 | -115.30 | 0.50 | AF121 |
| AF122 | 17 34.840 | 43 9.500 | 1189.9M | 978163.00 | 978503.07 | 27.19 | -105.96 | 0.00 | 0.00 | 1.24 | -107.20 | 0.66 | AF122 |
| AF123 | 17 35.800 | 43 14.130 | 1419.5M | 978121.62 | 978503.90 | 55.83 | -103.02 | 0.00 | 0.00 | 1.37 | -104.38 | 0.66 | AF123 |
| AF124 | 17 37.060 | 43 18.890 | 1511.0M | 978082.53 | 978504.99 | 43.87 | -125.21 | 0.00 | 0.00 | 1.41 | -126.61 | 0.66 | AF124 |
| AF125 | 17 37.740 | 43 22.700 | 1738.0M | 978025.57 | 978505.58 | 56.35 | -138.13 | 0.00 | 0.00 | 1.48 | -139.60 | 0.99 | AF125 |
| AF126 | 17 38.300 | -43 25.990 | 2367.6M | 977909.87 | 978506.07 | 134.36 | -130.57 | 0.00 | 0.00 | 1.49 | -132.06 | 0.99 | AF126 |
| AF128 | 17 40.470 | -43 29.550 | 2205.5M | 977960.60 | 978507.96 | 133.21 | -113.58 | 0.00 | 0.00 | 1.51 | -115.09 | 1.16 | AF128 |
| AF129 | 16 58.400 | -41 47.040 | 0.0M | 978465.89 | 978472.01 | -6.12 | -6.12 | 0.00 | 0.00 | 0.00 | 6.12 | 0.43 | AF129 |
| AF130 | 17 2.840 | -41 44.640 | 0.0M | 978474.72 | 978475.74 | -1.02 | -1.02 | 0.00 | 0.00 | 0.00 | -1.02 | 0.43 | AF130 |
| AF131 | 17 1.170 | -41 33.080 | 0.0M | 978481.85 | 978474.33 | 7.52 | 7.52 | 0.00 | 0.00 | 0.00 | 7.52 | 0.43 | AF131 |
| AF132 | 16 59.630 | 41 39.250 | 0.0M | 978479.37 | 978473.04 | 6.33 | 6.33 | 0.00 | 0.00 | 0.00 | 6.33 | 0.43 | AF132 |
| AF133 | 16 53.960 | 41 43.930 | 0.0M | 978475.49 | 978468.29 | 7.20 | 7.20 | 0.00 | 0.00 | 0.00 | 7.20 | 0.45 | AF133 |
| AF134 | 16 51.510 | -41 52.060 | 0.0M | 978463.63 | 978466.24 | 2.61 | -2.61 | 0.00 | 0.00 | 0.00 | 2.61 | 0.43 | AF134 |
| AF135 | 16 47.490 | 41 56.730 | 0.2M | 978457.60 | 978462.89 | 5.36 | -5.34 | 0.00 | 0.00 | 0.00 | -5.34 | 0.43 | AF135 |
| AF136 | 16 49.080 | 42 0.000 | 0.0M | 978460.03 | 978464.88 | 4.85 | -4.85 | 0.00 | 0.00 | 0.00 | -4.85 | 0.43 | AF136 |
| AF137 | 16 44.930 | -41 51.120 | 0.0M | 978467.11 | 978460.77 | 6.35 | 6.35 | 0.00 | 0.00 | 0.00 | 6.35 | 0.42 | AF137 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued**

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AF138 | 16 47.470 | 41 44.640 | 0.0M | 978473.64 | 978462.88 | 10.76 | 10.76 | 0.00 | 0.00 | 0.00 | 10.76 | 0.43 | AF138 |
| AF139 | 16 51.460 | 41 35.420 | 0.0M | 978484.72 | 978466.20 | 18.52 | 18.52 | 0.00 | 0.00 | 0.00 | 18.52 | 0.43 | AF139 |
| AF140 | 16 55.490 | 41 25.050 | 0.0M | 978489.22 | 978469.57 | 19.66 | 19.66 | 0.00 | 0.00 | 0.00 | 19.66 | 0.43 | AF140 |
| AF141 | 16 51.760 | 41 30.240 | 0.0M | 978486.65 | 978466.45 | 20.20 | 20.20 | 0.00 | 0.00 | 0.00 | 20.20 | 0.43 | AF141 |
| AF142 | 16 47.930 | 41 33.550 | 0.0M | 978481.54 | 978463.26 | 18.28 | 18.28 | 0.00 | 0.00 | 0.00 | 18.28 | 0.43 | AF142 |
| AF143 | 16 39.940 | 41 35.230 | 0.0M | 978473.51 | 978456.64 | 16.87 | 16.87 | 0.00 | 0.00 | 0.00 | 16.87 | 0.42 | AF143 |
| AF144 | 16 41.270 | 41 49.250 | 0.0M | 978466.42 | 978457.74 | 8.76 | 8.76 | 0.00 | 0.00 | 0.00 | 8.76 | 0.42 | AF144 |
| AF145 | 16 42.600 | 41 55.610 | 0.0M | 978459.83 | 978458.84 | 0.99 | 0.99 | 0.00 | 0.00 | 0.00 | 0.99 | 0.42 | AF145 |
| BA 1 | 20 10.170 | 43 3.750 | 1099.5M | 978310.27 | 978653.78 | 4.16 | -127.19 | 0.00 | 0.00 | 1.18 | -128.37 | 0.71 | BA 1 |
| BA 2 | 20 15.420 | 43 0.000 | 1087.1M | 978331.18 | 978651.09 | 15.61 | -106.03 | 0.00 | 0.00 | 1.17 | -107.20 | 0.70 | BA 2 |
| BA 3 | 20 12.830 | 43 13.080 | 1099.5M | 978319.87 | 978648.57 | 10.66 | -112.37 | 0.00 | 0.00 | 1.18 | -113.56 | 0.70 | BA 3 |
| BA 4 | 20 10.580 | 43 17.170 | 1056.7M | 978325.15 | 978646.37 | 4.92 | -113.32 | 0.00 | 0.00 | 1.15 | -114.47 | 0.54 | BA 4 |
| BA 5 | 20 8.420 | 43 22.080 | 1033.3M | 978349.57 | 978644.27 | 24.22 | 91.40 | 0.00 | 0.00 | 1.14 | 92.54 | 0.38 | BA 5 |
| BA 6 | 20 5.670 | 43 27.500 | 998.1M | 978340.81 | 978641.60 | 7.27 | 104.41 | 0.00 | 0.00 | 1.11 | -105.52 | 0.20 | BA 6 |
| BA 7 | 20 4.080 | 43 32.580 | 958.2M | 978345.93 | 978640.06 | 1.62 | -105.60 | 0.00 | 0.00 | 1.08 | -106.68 | 0.29 | BA 7 |
| BA 8 | 20 2.420 | 43 36.670 | 932.5M | 978344.60 | 978638.45 | 6.03 | -110.38 | 0.00 | 0.00 | 1.06 | -111.43 | 0.12 | BA 8 |
| BA 9 | 20 0.170 | 43 41.330 | 938.5M | 978350.04 | 978636.28 | 3.44 | -101.58 | 0.00 | 0.00 | 1.06 | -102.64 | 0.38 | BA 9 |
| BA 10 | 20 3.580 | 43 43.580 | 920.6M | 978365.92 | 978639.58 | 10.49 | 92.52 | 0.00 | 0.00 | 1.05 | 93.57 | 0.23 | BA 10 |
| BA 11 | 20 7.500 | 43 38.420 | 935.4M | 978362.02 | 978643.38 | 7.36 | -97.31 | 0.00 | 0.00 | 1.06 | -98.37 | 0.12 | BA 11 |
| BA 12 | 20 10.170 | 43 34.670 | 927.2M | 978369.10 | 978645.98 | 9.31 | 94.44 | 0.00 | 0.00 | 1.05 | 95.49 | 0.70 | BA 12 |
| BA 13 | 20 13.080 | 43 30.920 | 956.4M | 978370.42 | 978648.81 | 16.81 | -90.21 | 0.00 | 0.00 | 1.08 | -91.29 | 0.38 | BA 13 |
| BA 14 | 20 15.080 | 43 25.920 | 956.6M | 978367.56 | 978650.76 | 12.06 | -94.98 | 0.00 | 0.00 | 1.08 | -96.06 | 0.21 | BA 14 |
| BA 15 | 20 17.330 | 43 19.920 | 998.7M | 978354.63 | 978652.96 | 9.92 | -101.83 | 0.00 | 0.00 | 1.11 | -102.94 | 0.23 | BA 15 |
| BA 16 | 20 20.500 | 43 13.920 | 1040.8M | 978336.53 | 978656.06 | 1.71 | -114.76 | 0.00 | 0.00 | 1.14 | -115.90 | 0.21 | BA 16 |
| BA 17 | 20 22.500 | 43 9.330 | 1046.1M | 978351.14 | 978658.03 | 15.99 | -101.07 | 0.00 | 0.00 | 1.14 | -102.21 | 1.26 | BA 17 |
| BA 55 | 20 23.500 | 42 55.080 | 1047.3M | 978352.33 | 978659.01 | 16.57 | -100.62 | 0.00 | 0.00 | 1.15 | -101.77 | 0.23 | BA 55 |
| BA 56 | 20 25.670 | 42 50.330 | 1063.8M | 978357.58 | 978661.14 | 24.70 | 94.26 | 0.00 | 0.00 | 1.16 | -95.42 | 0.21 | BA 56 |
| BA 57 | 20 27.830 | 42 45.250 | 1090.1M | 978355.72 | 978663.27 | 31.38 | 91.50 | 0.00 | 0.00 | 1.18 | -92.68 | 0.54 | BA 57 |
| BA 58 | 20 30.500 | 42 39.920 | 1080.5M | 978370.08 | 978665.90 | 37.67 | 83.23 | 0.00 | 0.00 | 1.17 | -84.40 | 0.23 | BA 58 |
| BA 59 | 20 32.670 | 42 34.580 | 1119.9M | 978364.47 | 978668.04 | 42.08 | -83.24 | 0.00 | 0.00 | 1.20 | -84.43 | 0.54 | BA 59 |
| BA 60 | 20 35.080 | 42 30.330 | 1148.3M | 978359.33 | 978670.42 | 43.32 | -85.18 | 0.00 | 0.00 | 1.22 | -86.39 | 0.38 | BA 60 |
| BA 61 | 20 37.420 | 42 25.670 | 1090.9M | 978375.61 | 978672.74 | 39.57 | 82.50 | 0.00 | 0.00 | 1.18 | 83.68 | 0.23 | BA 61 |
| BA 62 | 20 40.580 | 42 19.080 | 1135.1M | 978341.15 | 978675.88 | 15.61 | -111.41 | 0.00 | 0.00 | 1.21 | -112.61 | 0.38 | BA 62 |
| BA 63 | 20 45.080 | 42 22.170 | 1107.7M | 978360.29 | 978680.35 | 29.82 | 94.13 | 0.00 | 0.00 | 1.19 | -95.32 | 0.21 | BA 63 |
| BA 64 | 20 42.330 | 42 26.580 | 1082.1M | 978385.31 | 978677.62 | 41.68 | 79.41 | 0.00 | 0.00 | 1.17 | -80.58 | 0.71 | BA 64 |
| BA 65 | 20 40.080 | 42 32.670 | 1079.1M | 978385.80 | 978675.38 | 43.48 | 77.27 | 0.00 | 0.00 | 1.17 | -78.44 | 0.38 | BA 65 |
| BA 66 | 20 37.500 | 42 37.580 | 1054.6M | 978376.33 | 978672.82 | 29.01 | 89.00 | 0.00 | 0.00 | 1.15 | -90.15 | 0.21 | BA 66 |
| BA 67 | 20 35.500 | 42 42.080 | 1072.3M | 978372.41 | 978670.84 | 32.53 | -87.46 | 0.00 | 0.00 | 1.16 | 88.62 | 0.87 | BA 67 |
| BA 68 | 20 33.080 | 42 47.000 | 1085.5M | 978364.90 | 978668.45 | 31.49 | 89.98 | 0.00 | 0.00 | 1.17 | -91.15 | 0.12 | BA 68 |
| BA 69 | 20 30.170 | 42 52.670 | 1044.0M | 978354.65 | 978665.57 | 11.31 | -105.52 | 0.00 | 0.00 | 1.14 | -106.66 | 0.54 | BA 69 |
| BA 70 | 20 28.080 | 42 57.500 | 1019.2M | 978351.53 | 978663.51 | 2.59 | -111.45 | 0.00 | 0.00 | 1.13 | -112.58 | 0.38 | BA 70 |
| BA 71 | 20 22.580 | 42 56.000 | 1022.2M | 978340.95 | 978658.10 | 19.95 | -102.27 | 0.00 | 0.00 | 1.18 | -103.45 | 0.23 | BA 71 |
| BA 72 | 20 21.670 | 42 54.580 | 1062.9M | 978348.98 | 978657.31 | 19.83 | 99.11 | 0.00 | 0.00 | 1.16 | -100.26 | 0.23 | BA 72 |
| BA 73 | 20 32.000 | 43 0.080 | 1003.5M | 978354.90 | 978667.38 | 2.75 | -115.04 | 0.00 | 0.00 | 1.11 | -116.15 | 0.12 | BA 73 |
| BA 74 | 20 35.080 | 42 55.500 | 1011.8M | 978372.08 | 978670.42 | 13.95 | -99.27 | 0.00 | 0.00 | 1.12 | -100.39 | 0.38 | BA 74 |
| BA 75 | 20 37.670 | 42 49.500 | 1032.4M | 978369.62 | 978672.99 | 15.28 | -100.25 | 0.00 | 0.00 | 1.13 | -101.38 | 0.12 | BA 75 |
| BA 76 | 20 39.830 | 42 44.580 | 1034.0M | 978372.10 | 978675.13 | 16.11 | -99.59 | 0.00 | 0.00 | 1.14 | -100.73 | 0.21 | BA 76 |
| BA 77 | 20 42.330 | 42 39.500 | 1014.3M | 978387.65 | 978677.62 | 23.09 | 90.40 | 0.00 | 0.00 | 1.12 | -91.52 | 0.21 | BA 77 |
| BA 78 | 20 45.170 | 42 35.000 | 1044.3M | 978381.89 | 978680.44 | 23.76 | -93.09 | 0.00 | 0.00 | 1.14 | -94.23 | 0.54 | BA 78 |
| BA 79 | 20 47.420 | 42 30.330 | 1037.1M | 978385.56 | 978682.69 | 22.97 | -93.08 | 0.00 | 0.00 | 1.14 | -94.22 | 0.23 | BA 79 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued**

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 80 | 20 | 49.830 | 42 | 24.830 | 1060.2M | 978390.07 | 978685.09 | 32.20 | -86.43 | 0.00 | 0.00 | 1.16 | 87.59 | 0.12 | BA | 80 |
| BA | 81 | 20 | 54.670 | 42 | 27.170 | 1034.5M | 978395.85 | 978689.94 | 25.20 | -90.55 | 0.00 | 0.00 | 1.14 | -91.69 | 0.12 | BA | 81 |
| BA | 82 | 20 | 53.080 | 42 | 31.420 | 1018.3M | 978387.03 | 978688.35 | 12.98 | -100.97 | 0.00 | 0.00 | 1.12 | -102.09 | 0.21 | BA | 82 |
| BA | 83 | 20 | 50.670 | 42 | 35.580 | 1018.3M | 978376.19 | 978685.93 | 4.55 | -109.39 | 0.00 | 0.00 | 1.12 | -110.52 | 0.21 | BA | 83 |
| BA | 84 | 20 | 48.670 | 42 | 39.920 | 1033.3M | 978380.61 | 978683.94 | 15.60 | -100.03 | 0.00 | 0.00 | 1.14 | -101.16 | 0.12 | BA | 84 |
| BA | 85 | 20 | 45.420 | 42 | 46.830 | 1011.6M | 978373.17 | 978680.69 | 4.71 | -108.49 | 0.00 | 0.00 | 1.12 | -109.61 | 0.12 | BA | 85 |
| BA | 86 | 20 | 42.670 | 42 | 51.500 | 1019.8M | 978368.37 | 978677.96 | 5.17 | -108.94 | 0.00 | 0.00 | 1.13 | -110.07 | 0.12 | BA | 86 |
| BA | 87 | 20 | 40.670 | 42 | 56.670 | 1022.9M | 978376.20 | 978675.92 | 15.95 | -98.51 | 0.00 | 0.00 | 1.13 | -99.64 | 0.35 | BA | 87 |
| BA | 88 | 20 | 40.580 | 42 | 56.920 | 980.3M | 978383.82 | 978675.88 | 10.51 | -99.18 | 0.00 | 0.00 | 1.10 | -100.28 | 0.35 | BA | 88 |
| BA | 89 | 20 | 40.830 | 42 | 56.500 | 984.5M | 978381.81 | 978676.13 | 9.55 | -100.61 | 0.00 | 0.00 | 1.10 | -101.71 | 0.38 | BA | 89 |
| BA | 90 | 20 | 37.670 | 43 | 2.080 | 990.1M | 978354.86 | 978672.99 | 12.54 | -123.33 | 0.00 | 0.00 | 1.10 | -124.43 | 0.21 | BA | 90 |
| BA | 91 | 20 | 47.000 | 43 | 11.170 | 1045.8M | 978380.17 | 978682.27 | 28.68 | -88.34 | 0.00 | 0.00 | 1.14 | -89.48 | 0.12 | BA | 91 |
| BA | 92 | 20 | 42.330 | 43 | 14.330 | 959.4M | 978412.82 | 978677.62 | 31.32 | -76.03 | 0.00 | 0.00 | 1.08 | -77.11 | 0.54 | BA | 92 |
| BA | 93 | 20 | 42.080 | 43 | 5.580 | 973.7M | 978372.17 | 978677.37 | -4.66 | -113.62 | 0.00 | 0.00 | 1.09 | -114.71 | 0.21 | BA | 93 |
| BA | 94 | 20 | 44.920 | 43 | 0.920 | 956.3M | 978385.06 | 978680.20 | 0.03 | -106.98 | 0.00 | 0.00 | 1.08 | -108.06 | 0.38 | BA | 94 |
| BA | 95 | 20 | 46.670 | 42 | 55.670 | 1037.3M | 978372.47 | 978681.94 | 10.69 | -105.38 | 0.00 | 0.00 | 1.14 | -106.52 | 0.38 | BA | 95 |
| BA | 96 | 20 | 49.000 | 42 | 50.580 | 1003.1M | 978386.95 | 978684.27 | 12.29 | 99.96 | 0.00 | 0.00 | 1.11 | -101.07 | 0.54 | BA | 96 |
| BA | 97 | 20 | 51.670 | 42 | 44.170 | 977.0M | 978386.45 | 978686.93 | 1.07 | -108.26 | 0.00 | 0.00 | 1.09 | -109.35 | 0.12 | BA | 97 |
| BA | 98 | 20 | 54.500 | 42 | 40.580 | 974.0M | 978384.49 | 978689.77 | 4.65 | -113.64 | 0.00 | 0.00 | 1.09 | -114.73 | 0.12 | BA | 98 |
| BA | 99 | 20 | 56.330 | 42 | 34.420 | 1008.9M | 978380.18 | 978691.60 | -0.03 | -112.92 | 0.00 | 0.00 | 1.12 | -114.04 | 0.38 | BA | 99 |
| BA | 100 | 20 | 47.580 | 43 | 7.000 | 950.2M | 978404.23 | 978682.85 | 17.13 | -90.09 | 0.00 | 0.00 | 1.08 | -91.17 | 0.38 | BA | 100 |
| BA | 101 | 20 | 50.080 | 43 | 1.170 | 959.4M | 978392.83 | 978685.34 | 3.41 | -103.75 | 0.00 | 0.00 | 1.08 | -104.83 | 0.12 | BA | 101 |
| BA | 102 | 20 | 53.170 | 42 | 55.500 | 983.2M | 978397.68 | 978688.44 | 12.71 | -97.31 | 0.00 | 0.00 | 1.10 | -98.41 | 0.12 | BA | 102 |
| BA | 103 | 20 | 55.000 | 42 | 50.830 | 1020.6M | 978403.01 | 978690.27 | 27.74 | -86.46 | 0.00 | 0.00 | 1.13 | 87.58 | 0.21 | BA | 103 |
| BA | 104 | 20 | 56.920 | 42 | 46.670 | 991.3M | 978390.29 | 978692.20 | 4.06 | -106.07 | 0.00 | 0.00 | 1.10 | -107.17 | 0.54 | BA | 104 |
| BA | 105 | 20 | 59.170 | 42 | 43.500 | 999.3M | 978393.84 | 978694.46 | 7.81 | -104.01 | 0.00 | 0.00 | 1.11 | -105.12 | 0.54 | BA | 105 |
| BA | 106 | 21 | 1.170 | 42 | 39.000 | 1004.5M | 978390.69 | 978696.47 | 4.26 | -108.15 | 0.00 | 0.00 | 1.11 | -109.26 | 0.23 | BA | 106 |
| BA | 107 | 21 | 3.170 | 42 | 31.920 | 1012.4M | 978401.08 | 978698.48 | 15.07 | -98.22 | 0.00 | 0.00 | 1.12 | -99.34 | 0.35 | BA | 107 |
| BA | 108 | 20 | 58.920 | 42 | 29.330 | 1046.2M | 978390.92 | 978694.21 | 19.62 | -97.45 | 0.00 | 0.00 | 1.14 | -98.60 | 0.21 | BA | 108 |
| BA | 109 | 21 | 9.500 | 42 | 32.080 | 995.6M | 978400.16 | 978704.88 | 2.57 | -108.84 | 0.00 | 0.00 | 1.11 | -109.94 | 0.35 | BA | 109 |
| BA | 110 | 21 | 8.500 | 42 | 38.420 | 956.2M | 978422.83 | 978703.87 | 14.09 | -92.90 | 0.00 | 0.00 | 1.08 | -93.98 | 0.13 | BA | 110 |
| BA | 111 | 21 | 4.000 | 42 | 45.330 | 996.0M | 978401.01 | 978699.32 | 9.10 | -102.35 | 0.00 | 0.00 | 1.11 | -103.46 | 0.13 | BA | 111 |
| BA | 112 | 21 | 0.830 | 42 | 50.920 | 1014.8M | 978411.45 | 978696.13 | 28.54 | -85.02 | 0.00 | 0.00 | 1.12 | -86.14 | 0.21 | BA | 112 |
| BA | 113 | 20 | 59.170 | 42 | 54.170 | 965.3M | 978433.26 | 978694.46 | 36.74 | -71.27 | 0.00 | 0.00 | 1.08 | -72.36 | 0.23 | BA | 113 |
| BA | 114 | 20 | 56.500 | 43 | 0.330 | 946.9M | 978404.62 | 978691.78 | 5.11 | -100.85 | 0.00 | 0.00 | 1.07 | -101.92 | 0.38 | BA | 114 |
| BA | 115 | 20 | 53.920 | 43 | 5.500 | 941.3M | 978400.09 | 978689.19 | 2.24 | -103.09 | 0.00 | 0.00 | 1.07 | -104.16 | 0.21 | BA | 115 |
| BA | 116 | 20 | 52.170 | 43 | 11.170 | 927.7M | 978417.99 | 978687.43 | 16.89 | -86.91 | 0.00 | 0.00 | 1.05 | -87.97 | 0.23 | BA | 116 |
| BA | 117 | 20 | 49.420 | 43 | 16.170 | 928.7M | 978440.44 | 978684.68 | 42.40 | -61.52 | 0.00 | 0.00 | 1.05 | -62.57 | 0.21 | BA | 117 |
| BA | 118 | 20 | 46.500 | 43 | 21.670 | 963.1M | 978409.44 | 978681.77 | 24.93 | -82.84 | 0.00 | 0.00 | 1.08 | -83.92 | 0.12 | BA | 118 |
| BA | 119 | 20 | 43.670 | 43 | 26.580 | 894.7M | 978406.64 | 978678.95 | 3.84 | -96.27 | 0.00 | 0.00 | 1.03 | -97.30 | 0.12 | BA | 119 |
| BA | 120 | 20 | 49.920 | 43 | 32.500 | 859.6M | 978404.69 | 978685.18 | -15.17 | -111.36 | 0.00 | 0.00 | 1.00 | -112.36 | 0.38 | BA | 120 |
| BA | 121 | 20 | 39.170 | 43 | 36.080 | 843.2M | 978416.63 | 978674.48 | 2.42 | 91.94 | 0.00 | 0.00 | 0.98 | -92.92 | 0.12 | BA | 121 |
| BA | 122 | 20 | 37.000 | 43 | 41.420 | 834.5M | 978415.72 | 978672.33 | 1.04 | 92.34 | 0.00 | 0.00 | 0.98 | -93.31 | 0.23 | BA | 122 |
| BA | 123 | 20 | 34.330 | 43 | 47.170 | 812.7M | 978417.74 | 978669.68 | -1.09 | 92.03 | 0.00 | 0.00 | 0.96 | -92.99 | 0.21 | BA | 123 |
| BA | 124 | 20 | 32.330 | 43 | 51.170 | 794.3M | 978417.63 | 978667.70 | -4.90 | 93.78 | 0.00 | 0.00 | 0.94 | -94.72 | 0.23 | BA | 124 |
| BA | 125 | 20 | 30.920 | 43 | 56.580 | 797.8M | 978423.00 | 978666.31 | 2.94 | 86.33 | 0.00 | 0.00 | 0.94 | -87.28 | 0.12 | BA | 125 |
| BA | 126 | 20 | 34.830 | 43 | 59.170 | 785.5M | 978435.71 | 978670.18 | 7.99 | -79.91 | 0.00 | 0.00 | 0.93 | -80.84 | 0.12 | BA | 126 |
| BA | 127 | 20 | 36.580 | 43 | 53.500 | 790.2M | 978431.64 | 978671.91 | 3.64 | 84.78 | 0.00 | 0.00 | 0.94 | -85.72 | 0.23 | BA | 127 |
| BA | 128 | 20 | 38.420 | 43 | 49.670 | 797.4M | 978428.50 | 978673.73 | 0.90 | 88.33 | 0.00 | 0.00 | 0.94 | -89.28 | 3.61 | BA | 128 |
| BA | 129 | 20 | 41.580 | 43 | 43.830 | 825.2M | 978433.00 | 978676.87 | 10.92 | 81.42 | 0.00 | 0.00 | 0.97 | -82.39 | 0.54 | BA | 129 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 130 | 20 | 43.500 | 43 | 40.170 | 838.0M | 978427.72 | 978678.78 | 7.60 | -86.17 | 0.00 | 0.00 | 0.98 | -87.15 | 0.35 | BA | 130 |
| BA | 131 | 20 | 47.330 | 43 | 34.580 | 858.4M | 978428.96 | 978682.60 | 11.32 | 84.74 | 0.00 | 0.00 | 1.00 | 85.73 | 0.54 | BA | 131 |
| BA | 132 | 20 | 49.500 | 43 | 30.420 | 875.9M | 978422.45 | 978684.76 | 8.04 | -89.97 | 0.00 | 0.00 | 1.01 | -90.98 | 0.21 | BA | 132 |
| BA | 133 | 20 | 51.920 | 43 | 24.170 | 910.5M | 978418.55 | 978687.18 | 12.40 | -89.49 | 0.00 | 0.00 | 1.04 | 90.53 | 0.35 | BA | 133 |
| BA | 134 | 20 | 54.170 | 43 | 17.580 | 941.5M | 978441.20 | 978689.44 | 42.36 | -62.99 | 0.00 | 0.00 | 1.07 | -64.06 | 0.38 | BA | 134 |
| BA | 135 | 20 | 54.420 | 43 | 17.920 | 970.1M | 978431.68 | 978689.69 | 41.41 | -67.14 | 0.00 | 0.00 | 1.09 | -68.23 | 0.12 | BA | 135 |
| BA | 136 | 20 | 54.580 | 43 | 18.080 | 930.9M | 978440.97 | 978689.85 | 38.45 | -65.72 | 0.00 | 0.00 | 1.06 | -66.78 | 0.71 | BA | 136 |
| BA | 137 | 20 | 57.330 | 43 | 12.000 | 907.9M | 978422.27 | 978692.61 | 9.89 | 91.70 | 0.00 | 0.00 | 1.04 | 92.74 | 0.35 | BA | 137 |
| BA | 138 | 20 | 59.500 | 43 | 7.000 | 909.2M | 978417.32 | 978694.79 | 3.16 | -98.58 | 0.00 | 0.00 | 1.04 | -99.62 | 0.35 | BA | 138 |
| BA | 139 | 21 | 2.170 | 43 | 2.420 | 915.4M | 978427.40 | 978697.48 | 12.46 | 89.97 | 0.00 | 0.00 | 1.04 | 91.01 | 0.13 | BA | 139 |
| BA | 140 | 21 | 3.420 | 42 | 59.000 | 935.8M | 978450.02 | 978698.74 | 40.12 | -64.59 | 0.00 | 0.00 | 1.06 | -65.66 | 0.14 | BA | 140 |
| BA | 141 | 21 | 5.920 | 42 | 54.580 | 979.6M | 978435.70 | 978701.26 | 36.79 | -72.82 | 0.00 | 0.00 | 1.10 | -73.92 | 0.04 | BA | 141 |
| BA | 142 | 21 | 10.080 | 42 | 50.080 | 956.2M | 978425.65 | 978705.47 | 15.31 | -91.68 | 0.00 | 0.00 | 1.08 | -92.76 | 0.16 | BA | 142 |
| BA | 143 | 21 | 11.170 | 42 | 43.330 | 937.9M | 978425.62 | 978706.57 | 8.53 | -96.42 | 0.00 | 0.00 | 1.06 | 97.48 | 0.77 | BA | 143 |
| BA | 144 | 21 | 13.500 | 42 | 38.500 | 966.5M | 978422.10 | 978708.93 | 11.48 | 96.67 | 0.00 | 0.00 | 1.08 | -97.76 | 0.18 | BA | 144 |
| BA | 145 | 21 | 17.670 | 42 | 40.330 | 974.3M | 978422.44 | 978713.17 | 9.98 | 99.04 | 0.00 | 0.00 | 1.09 | 100.13 | 0.74 | BA | 145 |
| BA | 146 | 21 | 17.330 | 42 | 42.830 | 1276.0M | 978349.03 | 978712.83 | 30.26 | -112.61 | 0.00 | 0.00 | 1.29 | -113.91 | 1.56 | BA | 146 |
| BA | 147 | 21 | 17.580 | 42 | 42.080 | 994.8M | 978419.60 | 978713.08 | 13.56 | -97.75 | 0.00 | 0.00 | 1.11 | -98.86 | 0.71 | BA | 147 |
| BA | 148 | 21 | 17.080 | 42 | 43.580 | 1091.0M | 978389.93 | 978712.57 | 14.08 | -108.00 | 0.00 | 0.00 | 1.18 | -109.17 | 0.24 | BA | 148 |
| BA | 149 | 21 | 15.580 | 42 | 45.830 | 955.4M | 978429.38 | 978711.05 | 13.22 | 93.69 | 0.00 | 0.00 | 1.08 | 94.77 | 0.24 | BA | 149 |
| BA | 150 | 21 | 13.170 | 42 | 51.000 | 915.8M | 978445.16 | 978708.60 | 19.23 | -83.25 | 0.00 | 0.00 | 1.04 | -84.30 | 0.67 | BA | 150 |
| BA | 151 | 21 | 11.420 | 42 | 55.330 | 915.8M | 978451.63 | 978706.82 | 27.47 | -75.01 | 0.00 | 0.00 | 1.04 | -76.05 | 0.67 | BA | 151 |
| BA | 152 | 21 | 8.420 | 43 | 0.830 | 947.2M | 978442.39 | 978703.79 | 30.96 | -75.03 | 0.00 | 0.00 | 1.07 | -76.10 | 0.64 | BA | 152 |
| BA | 153 | 21 | 5.080 | 43 | 5.500 | 895.6M | 978420.83 | 978700.41 | -3.15 | -103.37 | 0.00 | 0.00 | 1.03 | -104.39 | 0.16 | BA | 153 |
| BA | 154 | 21 | 2.580 | 43 | 17.670 | 893.6M | 978431.06 | 978697.89 | 8.98 | -91.01 | 0.00 | 0.00 | 1.03 | -92.03 | 0.42 | BA | 154 |
| BA | 155 | 20 | 59.170 | 43 | 18.420 | 870.4M | 978430.52 | 978694.46 | 7.19 | -91.11 | 0.00 | 0.00 | 1.01 | -92.12 | 0.21 | BA | 155 |
| BA | 156 | 21 | 2.670 | 43 | 21.670 | 862.1M | 978444.51 | 978697.98 | 12.62 | 83.84 | 0.00 | 0.00 | 1.00 | -84.84 | 0.74 | BA | 156 |
| BA | 157 | 21 | 2.920 | 43 | 22.330 | 868.2M | 978424.72 | 978698.23 | 25.32 | 83.02 | 0.00 | 0.00 | 1.09 | -84.10 | 0.13 | BA | 157 |
| BA | 158 | 21 | 3.080 | 43 | 22.830 | 888.9M | 978444.50 | 978698.39 | 20.47 | 79.00 | 0.00 | 0.00 | 1.02 | -80.02 | 0.58 | BA | 158 |
| BA | 159 | 20 | 58.500 | 43 | 21.830 | 896.5M | 978435.82 | 978693.78 | 18.75 | 81.57 | 0.00 | 0.00 | 1.03 | -82.60 | 0.48 | BA | 159 |
| BA | 160 | 20 | 56.170 | 43 | 26.670 | 859.4M | 978427.02 | 978691.44 | 0.84 | 95.33 | 0.00 | 0.00 | 1.00 | -96.33 | 0.93 | BA | 160 |
| BA | 161 | 20 | 53.080 | 43 | 32.830 | 846.8M | 978439.61 | 978688.35 | 12.64 | -82.12 | 0.00 | 0.00 | 0.99 | 83.11 | 0.77 | BA | 161 |
| BA | 162 | 20 | 50.670 | 43 | 37.420 | 836.0M | 978440.46 | 978685.93 | 12.57 | -80.98 | 0.00 | 0.00 | 0.98 | -81.96 | 0.87 | BA | 162 |
| BA | 163 | 20 | 48.670 | 43 | 41.830 | 799.7M | 978448.63 | 978683.94 | 11.53 | -77.95 | 0.00 | 0.00 | 0.94 | 78.90 | 0.23 | BA | 163 |
| BA | 164 | 20 | 46.330 | 43 | 47.000 | 777.1M | 978444.83 | 978681.60 | 3.09 | 83.86 | 0.00 | 0.00 | 0.92 | -84.79 | 0.13 | BA | 164 |
| BA | 165 | 20 | 43.500 | 43 | 53.330 | 764.4M | 978447.26 | 978678.78 | 4.42 | 81.11 | 0.00 | 0.00 | 0.91 | 82.02 | 0.21 | BA | 165 |
| BA | 166 | 20 | 42.170 | 43 | 56.330 | 757.1M | 978451.80 | 978677.46 | 8.03 | 76.68 | 0.00 | 0.00 | 0.91 | -77.59 | 0.26 | BA | 166 |
| BA | 167 | 20 | 40.080 | 44 | 0.000 | 749.4M | 978452.70 | 978675.38 | 8.63 | 75.23 | 0.00 | 0.00 | 0.90 | -76.12 | 0.84 | BA | 167 |
| BA | 168 | 20 | 44.580 | 44 | 3.330 | 735.0M | 978459.84 | 978679.86 | 6.85 | 75.39 | 0.00 | 0.00 | 0.89 | -76.28 | 0.16 | BA | 168 |
| BA | 169 | 20 | 47.080 | 43 | 58.080 | 745.3M | 978458.98 | 978682.35 | 6.68 | 76.72 | 0.00 | 0.00 | 0.89 | -77.61 | 0.97 | BA | 169 |
| BA | 170 | 20 | 49.170 | 43 | 54.000 | 774.0M | 978456.63 | 978684.43 | 11.10 | -75.51 | 0.00 | 0.00 | 0.92 | -76.43 | 0.18 | BA | 170 |
| BA | 171 | 20 | 51.500 | 43 | 50.330 | 774.0M | 978453.10 | 978686.76 | 5.24 | 81.37 | 0.00 | 0.00 | 0.92 | -82.29 | 1.46 | BA | 171 |
| BA | 172 | 20 | 54.000 | 43 | 45.000 | 783.1M | 978455.60 | 978689.27 | 8.05 | -79.58 | 0.00 | 0.00 | 0.93 | -80.51 | 0.21 | BA | 172 |
| BA | 173 | 20 | 56.080 | 43 | 39.670 | 834.8M | 978446.74 | 978691.35 | 13.06 | -80.36 | 0.00 | 0.00 | 0.98 | -81.33 | 0.12 | BA | 173 |
| BA | 174 | 20 | 58.670 | 43 | 34.670 | 818.5M | 978455.41 | 978693.95 | 14.09 | -77.49 | 0.00 | 0.00 | 0.96 | -78.46 | 0.13 | BA | 174 |
| BA | 175 | 20 | 1.000 | 43 | 30.170 | 856.8M | 978442.67 | 978697.00 | 70.05 | 25.82 | 0.00 | 0.00 | 0.99 | -26.82 | 0.87 | BA | 175 |
| BA | 176 | 21 | 8.420 | 43 | 27.080 | 845.5M | 978448.72 | 978703.79 | 5.90 | -88.71 | 0.00 | 0.00 | 0.99 | 89.69 | 0.71 | BA | 176 |
| BA | 177 | 21 | 6.830 | 43 | 32.330 | 839.6M | 978455.71 | 978702.18 | 12.68 | -81.27 | 0.00 | 0.00 | 0.98 | -82.25 | 0.54 | BA | 177 |
| BA | 178 | 21 | 2.500 | 43 | 38.080 | 841.3M | 978457.58 | 978697.81 | 19.45 | 74.69 | 0.00 | 0.00 | 0.98 | -75.68 | 0.38 | BA | 178 |
| BA | 179 | 21 | 1.000 | 43 | 42.330 | 829.7M | 978457.01 | 978696.30 | 16.81 | 76.04 | 0.00 | 0.00 | 0.97 | 77.01 | 0.38 | BA | 179 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | BTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 180 | 20 | 58.500 | 43 | 47.580 | 790.5M | 978462.10 | 978693.78 | 12.31 | 76.14 | 0.00 | 0.00 | 0.94 | -77.08 | 0.38 | BA | 180 |
| BA | 181 | 20 | 56.000 | 43 | 52.920 | 766.2M | 978469.30 | 978691.27 | 14.53 | 71.21 | 0.00 | 0.00 | 0.91 | -72.12 | 0.38 | BA | 181 |
| BA | 182 | 20 | 53.830 | 43 | 57.580 | 761.3M | 978469.24 | 978689.10 | 15.13 | -70.06 | 0.00 | 0.00 | 0.91 | -70.97 | 0.23 | BA | 182 |
| BA | 183 | 20 | 52.170 | 44 | 2.580 | 747.9M | 978475.35 | 978687.43 | 18.49 | -65.10 | 0.00 | 0.00 | 0.90 | 66.00 | 0.38 | BA | 183 |
| BA | 184 | 20 | 39.330 | 44 | 7.420 | 748.7M | 978476.02 | 978674.64 | 32.48 | 51.30 | 0.00 | 0.00 | 0.90 | -52.19 | 0.24 | BA | 184 |
| BA | 185 | 20 | 54.080 | 44 | 10.500 | 779.8M | 978463.06 | 978689.35 | 14.41 | -72.85 | 0.00 | 0.00 | 0.93 | -73.78 | 0.90 | BA | 185 |
| BA | 186 | 20 | 26.670 | 44 | 5.500 | 822.4M | 978452.65 | 978662.12 | 44.37 | 47.65 | 0.00 | 0.00 | 0.97 | -48.62 | 0.71 | BA | 186 |
| BA | 187 | 21 | 0.330 | 43 | 58.670 | 785.7M | 978465.97 | 978695.62 | 12.86 | 75.06 | 0.00 | 0.00 | 0.93 | -75.99 | 0.54 | BA | 187 |
| BA | 188 | 21 | 1.670 | 43 | 54.830 | 776.4M | 978477.93 | 978696.97 | 20.60 | 66.27 | 0.00 | 0.00 | 0.92 | -67.20 | 0.21 | BA | 188 |
| BA | 189 | 21 | 5.830 | 43 | 45.580 | 867.0M | 978461.63 | 978701.17 | 28.07 | -68.95 | 0.00 | 0.00 | 1.00 | -69.95 | 0.71 | BA | 189 |
| BA | 190 | 21 | 7.170 | 43 | 42.170 | 815.1M | 978469.29 | 978702.52 | 18.76 | -72.05 | 0.00 | 0.00 | 0.96 | -73.81 | 0.71 | BA | 190 |
| BA | 191 | 21 | 8.670 | 43 | 39.330 | 823.0M | 978465.48 | 978704.04 | 15.47 | -76.62 | 0.00 | 0.00 | 0.97 | -77.59 | 0.87 | BA | 191 |
| BA | 192 | 21 | 10.920 | 43 | 34.500 | 826.7M | 978456.99 | 978706.32 | 5.84 | 86.67 | 0.00 | 0.00 | 0.97 | -87.63 | 0.38 | BA | 192 |
| BA | 193 | 21 | 12.170 | 43 | 29.000 | 841.7M | 978456.13 | 978707.58 | 8.34 | -85.84 | 0.00 | 0.00 | 0.98 | -86.82 | 0.35 | BA | 193 |
| BA | 194 | 21 | 6.000 | 43 | 19.170 | 867.2M | 978435.11 | 978701.34 | 1.44 | -95.60 | 0.00 | 0.00 | 1.00 | -96.61 | 0.14 | BA | 194 |
| BA | 195 | 21 | 8.670 | 43 | 12.920 | 881.1M | 978452.26 | 978704.04 | 20.18 | -78.42 | 0.00 | 0.00 | 1.02 | -79.43 | 0.32 | BA | 195 |
| BA | 196 | 21 | 10.830 | 43 | 8.580 | 877.7M | 978438.71 | 978706.23 | 3.39 | -94.82 | 0.00 | 0.00 | 1.01 | 95.84 | 0.26 | BA | 196 |
| BA | 197 | 21 | 13.330 | 43 | 3.830 | 892.0M | 978461.08 | 978708.76 | 27.64 | 72.17 | 0.00 | 0.00 | 1.02 | -73.20 | 0.32 | BA | 197 |
| BA | 198 | 21 | 15.330 | 42 | 59.420 | 896.5M | 978466.59 | 978710.79 | 32.51 | -67.81 | 0.00 | 0.00 | 1.03 | -68.84 | 0.39 | BA | 198 |
| BA | 199 | 21 | 18.170 | 42 | 53.080 | 914.6M | 978443.32 | 978713.68 | 11.93 | -90.41 | 0.00 | 0.00 | 1.04 | -91.45 | 0.13 | BA | 199 |
| BA | 200 | 21 | 21.080 | 42 | 46.080 | 1148.8M | 978392.70 | 978716.64 | 30.62 | -97.93 | 0.00 | 0.00 | 1.22 | -99.15 | 0.39 | BA | 200 |
| BA | 201 | 21 | 20.500 | 42 | 47.420 | 955.8M | 978439.11 | 978716.05 | 18.06 | 88.89 | 0.00 | 0.00 | 1.08 | 89.97 | 0.39 | BA | 201 |
| BA | 202 | 21 | 22.170 | 42 | 46.830 | 1011.6M | 978419.65 | 978717.76 | 14.12 | -99.08 | 0.00 | 0.00 | 1.12 | -100.20 | 0.39 | BA | 202 |
| BA | 203 | 21 | 23.830 | 42 | 42.330 | 1020.2M | 978412.45 | 978719.45 | 7.88 | -106.28 | 0.00 | 0.00 | 1.13 | -107.41 | 0.13 | BA | 203 |
| BA | 204 | 21 | 28.080 | 42 | 45.830 | 944.7M | 978439.02 | 978723.80 | 6.80 | -98.91 | 0.00 | 0.00 | 1.07 | -99.98 | 0.24 | BA | 204 |
| BA | 205 | 21 | 24.830 | 42 | 51.500 | 944.5M | 978445.48 | 978720.47 | 16.53 | -89.16 | 0.00 | 0.00 | 1.07 | -90.23 | 0.42 | BA | 205 |
| BA | 206 | 21 | 22.670 | 42 | 55.580 | 912.4M | 978443.08 | 978718.27 | 6.43 | -95.67 | 0.00 | 0.00 | 1.04 | -96.71 | 1.00 | BA | 206 |
| BA | 207 | 21 | 20.830 | 43 | 1.000 | 803.5M | 978459.73 | 978716.39 | 16.04 | -82.83 | 0.00 | 0.00 | 1.02 | -83.84 | 0.29 | BA | 207 |
| BA | 208 | 21 | 18.670 | 43 | 5.420 | 882.2M | 978449.52 | 978714.19 | 7.63 | 91.09 | 0.00 | 0.00 | 1.02 | -92.11 | 0.29 | BA | 208 |
| BA | 209 | 21 | 16.170 | 43 | 10.500 | 861.5M | 978467.67 | 978711.65 | 21.93 | 74.47 | 0.00 | 0.00 | 1.00 | -75.47 | 0.48 | BA | 209 |
| BA | 210 | 21 | 13.080 | 43 | 15.000 | 861.0M | 978453.93 | 978708.51 | 11.18 | -85.17 | 0.00 | 0.00 | 1.00 | -86.17 | 0.29 | BA | 210 |
| BA | 211 | 21 | 10.830 | 43 | 22.420 | 854.5M | 978457.95 | 978706.23 | 15.47 | -80.15 | 0.00 | 0.00 | 0.99 | -81.14 | 0.16 | BA | 211 |
| BA | 212 | 21 | 16.080 | 43 | 23.420 | 843.6M | 978458.60 | 978711.55 | 7.43 | -86.97 | 0.00 | 0.00 | 0.98 | 87.95 | 0.39 | BA | 212 |
| BA | 213 | 21 | 18.080 | 43 | 19.080 | 852.6M | 978473.30 | 978713.59 | 22.87 | -72.53 | 0.00 | 0.00 | 0.99 | -73.52 | 0.24 | BA | 213 |
| BA | 214 | 21 | 21.000 | 43 | 13.830 | 861.0M | 978463.81 | 978716.56 | 13.00 | -83.34 | 0.00 | 0.00 | 1.00 | -84.34 | 0.26 | BA | 214 |
| BA | 215 | 21 | 23.000 | 43 | 8.580 | 869.9M | 978470.77 | 978718.60 | 20.67 | -76.68 | 0.00 | 0.00 | 1.01 | -77.68 | 0.18 | BA | 215 |
| BA | 216 | 21 | 25.500 | 43 | 3.330 | 873.6M | 978460.24 | 978721.16 | 8.72 | -89.03 | 0.00 | 0.00 | 1.01 | -90.04 | 0.13 | BA | 216 |
| BA | 217 | 21 | 28.170 | 42 | 58.000 | 898.7M | 978466.91 | 978723.89 | 20.41 | 80.16 | 0.00 | 0.00 | 1.03 | -81.19 | 1.69 | BA | 217 |
| BA | 218 | 21 | 30.250 | 42 | 52.250 | 911.0M | 978454.43 | 978726.02 | 9.59 | -92.35 | 0.00 | 0.00 | 1.04 | -93.39 | 0.18 | BA | 218 |
| BA | 219 | 21 | 33.170 | 42 | 47.580 | 924.6M | 978448.12 | 978729.02 | 4.48 | 98.98 | 0.00 | 0.00 | 1.05 | -100.04 | 0.16 | BA | 219 |
| BA | 220 | 21 | 37.750 | 42 | 50.830 | 897.8M | 978462.35 | 978733.73 | 5.72 | 94.74 | 0.00 | 0.00 | 1.03 | -95.77 | 0.14 | BA | 220 |
| BA | 221 | 21 | 35.330 | 42 | 58.920 | 885.1M | 978480.69 | 978731.24 | 22.64 | -76.40 | 0.00 | 0.00 | 1.02 | -77.42 | 0.18 | BA | 221 |
| BA | 222 | 21 | 32.250 | 43 | 3.750 | 870.6M | 978475.48 | 978728.08 | 16.12 | -81.30 | 0.00 | 0.00 | 1.01 | -82.31 | 0.29 | BA | 222 |
| BA | 223 | 21 | 30.250 | 43 | 7.830 | 865.4M | 978481.99 | 978726.02 | 23.08 | -73.76 | 0.00 | 0.00 | 1.00 | -74.76 | 0.32 | BA | 223 |
| BA | 224 | 21 | 28.830 | 43 | 11.920 | 863.0M | 978472.98 | 978724.57 | 14.78 | -81.79 | 0.00 | 0.00 | 1.00 | -82.79 | 0.21 | BA | 224 |
| BA | 225 | 21 | 25.920 | 43 | 16.330 | 853.2M | 978471.50 | 978721.59 | 13.26 | -82.21 | 0.00 | 0.00 | 0.99 | -83.21 | 0.13 | BA | 225 |
| BA | 226 | 21 | 22.670 | 43 | 23.500 | 838.6M | 978471.13 | 978718.27 | 11.70 | -82.13 | 0.00 | 0.00 | 0.98 | -83.11 | 0.32 | BA | 226 |
| BA | 227 | 21 | 20.420 | 43 | 28.080 | 841.3M | 978469.10 | 978715.97 | 12.80 | -81.34 | 0.00 | 0.00 | 0.98 | -82.32 | 0.14 | BA | 227 |
| BA | 228 | 21 | 18.000 | 43 | 32.830 | 833.6M | 978469.05 | 978713.51 | 12.84 | 80.44 | 0.00 | 0.00 | 0.97 | -81.41 | 0.51 | BA | 228 |
| BA | 229 | 21 | 16.000 | 43 | 38.000 | 816.1M | 978470.99 | 978711.47 | 11.41 | -79.91 | 0.00 | 0.00 | 0.96 | -80.87 | 0.18 | BA | 229 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 230 | 21 | 13.580 | 43 | 42.170 | 814.4M | 978478.16 | 978709.01 | 20.52 | -70.61 | 0.00 | 0.00 | 0.96 | -71.57 | 0.13 | BA | 230 |
| BA | 231 | 21 | 10.750 | 43 | 47.330 | 820.1M | 978478.16 | 978706.15 | 25.15 | -66.62 | 0.00 | 0.00 | 0.96 | -67.58 | 0.26 | BA | 231 |
| BA | 232 | 21 | 8.080 | 43 | 53.170 | 794.5M | 978483.54 | 978703.44 | 25.33 | -63.57 | 0.00 | 0.00 | 0.94 | -64.51 | 0.18 | BA | 232 |
| BA | 233 | 21 | 6.080 | 43 | 57.500 | 788.4M | 978475.69 | 978701.42 | 17.62 | -70.60 | 0.00 | 0.00 | 0.93 | -71.54 | 0.14 | BA | 233 |
| BA | 234 | 21 | 3.080 | 44 | 3.580 | 820.6M | 978467.06 | 978698.39 | 21.95 | -69.87 | 0.00 | 0.00 | 0.96 | -70.83 | 0.18 | BA | 234 |
| BA | 235 | 21 | 0.500 | 44 | 7.750 | 829.9M | 978459.97 | 978695.80 | 20.33 | -73.53 | 0.00 | 0.00 | 0.97 | -73.50 | 0.29 | BA | 235 |
| BA | 236 | 21 | 0.330 | 44 | 12.500 | 846.8M | 978444.06 | 978695.62 | 9.81 | 84.95 | 0.00 | 0.00 | 0.99 | -85.93 | 0.16 | BA | 236 |
| BA | 237 | 21 | 3.080 | 44 | 16.250 | 887.5M | 978445.03 | 978698.39 | 20.57 | 78.74 | 0.00 | 0.00 | 1.02 | -79.76 | 0.16 | BA | 237 |
| BA | 238 | 21 | 5.830 | 44 | 9.580 | 885.8M | 978445.55 | 978701.17 | 17.79 | 81.33 | 0.00 | 0.00 | 1.02 | -82.35 | 0.16 | BA | 238 |
| BA | 239 | 21 | 8.250 | 44 | 5.750 | 841.5M | 978463.54 | 978703.61 | 19.66 | 74.50 | 0.00 | 0.00 | 0.98 | -75.48 | 0.26 | BA | 239 |
| BA | 240 | 21 | 10.920 | 44 | 0.420 | 814.7M | 978455.25 | 978706.32 | 0.40 | -90.77 | 0.00 | 0.00 | 0.96 | -91.72 | 0.26 | BA | 240 |
| BA | 241 | 21 | 12.670 | 43 | 55.330 | 809.9M | 978475.43 | 978708.09 | 17.32 | -73.30 | 0.00 | 0.00 | 0.95 | -74.26 | 0.14 | BA | 241 |
| BA | 242 | 21 | 15.830 | 43 | 52.000 | 926.0M | 978455.86 | 978711.30 | 30.37 | 73.25 | 0.00 | 0.00 | 1.05 | -74.30 | 0.51 | BA | 242 |
| BA | 243 | 21 | 15.420 | 43 | 52.170 | 862.2M | 978468.70 | 978710.88 | 23.94 | 77.54 | 0.00 | 0.00 | 1.00 | -73.54 | 0.18 | BA | 243 |
| BA | 244 | 21 | 16.080 | 43 | 51.830 | 852.1M | 978471.04 | 978711.55 | 23.29 | -73.06 | 0.00 | 0.00 | 0.99 | -73.05 | 0.35 | BA | 244 |
| BA | 245 | 21 | 18.080 | 43 | 45.330 | 843.3M | 978478.84 | 978713.59 | 25.54 | -68.82 | 0.00 | 0.00 | 0.98 | -69.80 | 0.32 | BA | 245 |
| BA | 246 | 21 | 22.000 | 43 | 39.830 | 886.3M | 978469.73 | 978717.58 | 25.71 | 73.47 | 0.00 | 0.00 | 1.02 | -74.49 | 0.24 | BA | 246 |
| BA | 247 | 21 | 28.420 | 43 | 36.920 | 898.3M | 978474.66 | 978724.15 | 27.78 | 72.74 | 0.00 | 0.00 | 1.03 | -73.77 | 0.14 | BA | 247 |
| BA | 248 | 21 | 30.330 | 43 | 31.170 | 858.3M | 978491.69 | 978726.10 | 30.56 | 65.54 | 0.00 | 0.00 | 1.00 | -66.53 | 0.18 | BA | 248 |
| BA | 249 | 21 | 32.500 | 43 | 27.250 | 847.7M | 978493.51 | 978728.33 | 26.83 | 68.03 | 0.00 | 0.00 | 0.99 | 69.02 | 0.18 | BA | 249 |
| BA | 250 | 21 | 35.500 | 43 | 21.170 | 845.9M | 978497.32 | 978731.42 | 27.05 | 67.61 | 0.00 | 0.00 | 0.99 | -68.59 | 0.13 | BA | 250 |
| BA | 251 | 21 | 38.330 | 43 | 17.670 | 848.3M | 978497.73 | 978734.33 | 25.23 | 69.69 | 0.00 | 0.00 | 0.99 | 70.68 | 0.54 | BA | 251 |
| BA | 252 | 21 | 40.330 | 43 | 12.330 | 842.8M | 978490.89 | 978736.39 | 14.63 | -79.68 | 0.00 | 0.00 | 0.98 | 80.66 | 0.24 | BA | 252 |
| BA | 253 | 21 | 42.830 | 43 | 6.330 | 855.2M | 978492.30 | 978738.98 | 17.29 | 78.41 | 0.00 | 0.00 | 0.99 | -79.40 | 0.58 | BA | 253 |
| BA | 254 | 21 | 45.000 | 43 | 1.420 | 861.4M | 978495.44 | 978741.22 | 20.09 | 76.30 | 0.00 | 0.00 | 1.00 | -77.29 | 1.30 | BA | 254 |
| BA | 255 | 21 | 47.580 | 42 | 55.080 | 868.4M | 978501.85 | 978743.89 | 25.99 | 71.18 | 0.00 | 0.00 | 1.00 | -72.19 | 1.30 | BA | 255 |
| BA | 256 | 21 | 42.670 | 42 | 52.170 | 884.5M | 978494.32 | 978738.81 | 28.51 | 70.46 | 0.00 | 0.00 | 1.02 | -71.48 | 0.48 | BA | 256 |
| BA | 257 | 21 | 40.580 | 42 | 58.170 | 872.4M | 978486.96 | 978736.65 | 19.58 | 78.04 | 0.00 | 0.00 | 1.01 | 79.05 | 0.35 | BA | 257 |
| BA | 258 | 21 | 37.330 | 43 | 4.170 | 857.4M | 978486.21 | 978733.30 | 17.55 | 78.39 | 0.00 | 0.00 | 1.00 | -79.39 | 0.35 | BA | 258 |
| BA | 259 | 21 | 34.500 | 43 | 9.750 | 849.9M | 978481.70 | 978730.39 | 13.64 | -81.46 | 0.00 | 0.00 | 0.99 | -82.45 | 0.39 | BA | 259 |
| BA | 260 | 21 | 32.830 | 43 | 13.830 | 846.1M | 978476.56 | 978728.67 | 9.04 | 85.63 | 0.00 | 0.00 | 0.99 | -86.62 | 0.26 | BA | 260 |
| BA | 261 | 21 | 30.500 | 43 | 19.420 | 844.3M | 978478.08 | 978726.28 | 12.40 | 82.08 | 0.00 | 0.00 | 0.98 | 83.06 | 0.67 | BA | 261 |
| BA | 262 | 21 | 22.830 | 43 | 24.420 | 830.3M | 978500.98 | 978718.43 | 38.83 | 54.08 | 0.00 | 0.00 | 0.97 | -55.05 | 0.16 | BA | 262 |
| BA | 263 | 21 | 25.000 | 43 | 29.830 | 837.3M | 978491.95 | 978720.65 | 29.74 | 63.95 | 0.00 | 0.00 | 0.98 | 64.93 | 0.18 | BA | 263 |
| BA | 264 | 21 | 25.500 | 43 | 30.500 | 845.1M | 978488.78 | 978721.16 | 28.47 | 66.10 | 0.00 | 0.00 | 0.98 | 67.08 | 0.18 | BA | 264 |
| BA | 265 | 21 | 25.170 | 43 | 30.080 | 1060.1M | 978437.23 | 978720.82 | 43.59 | -75.03 | 0.00 | 0.00 | 1.15 | -76.19 | 0.13 | BA | 265 |
| BA | 266 | 21 | 23.330 | 43 | 33.830 | 875.0M | 978469.15 | 978718.94 | 20.28 | 77.63 | 0.00 | 0.00 | 1.01 | -78.64 | 0.61 | BA | 266 |
| BA | 267 | 21 | 32.250 | 43 | 39.670 | 934.8M | 978464.71 | 978728.08 | 25.16 | 79.44 | 0.00 | 0.00 | 1.06 | -80.50 | 0.53 | BA | 267 |
| BA | 268 | 21 | 28.670 | 43 | 44.830 | 1010.3M | 978447.47 | 978724.40 | 29.91 | 83.14 | 0.00 | 0.00 | 1.12 | -84.26 | 0.97 | BA | 268 |
| BA | 269 | 21 | 27.170 | 43 | 47.670 | 1169.1M | 978400.92 | 978722.87 | 38.88 | -91.94 | 0.00 | 0.00 | 1.23 | 93.17 | 0.58 | BA | 269 |
| BA | 270 | 21 | 27.670 | 43 | 48.830 | 912.4M | 978445.01 | 978723.38 | 3.24 | 98.85 | 0.00 | 0.00 | 1.04 | -99.89 | 0.74 | BA | 270 |
| BA | 271 | 21 | 27.000 | 43 | 46.670 | 951.8M | 978451.63 | 978722.69 | 22.71 | -83.80 | 0.00 | 0.00 | 1.07 | -84.87 | 0.54 | BA | 271 |
| BA | 272 | 21 | 24.000 | 43 | 55.830 | 908.2M | 978436.46 | 978719.63 | -3.85 | 104.47 | 0.00 | 0.00 | 1.04 | -105.51 | 0.64 | BA | 272 |
| BA | 273 | 21 | 22.580 | 44 | 0.830 | 943.6M | 978428.21 | 978718.18 | 1.28 | 104.31 | 0.00 | 0.00 | 1.07 | -105.38 | 0.93 | BA | 273 |
| BA | 274 | 21 | 20.080 | 44 | 5.750 | 920.1M | 978434.45 | 978715.63 | 3.83 | 100.14 | 0.00 | 0.00 | 1.05 | -101.19 | 0.74 | BA | 274 |
| BA | 275 | 21 | 18.170 | 44 | 11.170 | 1086.3M | 978405.20 | 978713.68 | 26.80 | 94.76 | 0.00 | 0.00 | 1.17 | -95.93 | 0.35 | BA | 275 |
| BA | 276 | 21 | 15.170 | 44 | 16.170 | 943.8M | 978432.03 | 978710.63 | 12.70 | 92.90 | 0.00 | 0.00 | 1.07 | -93.97 | 0.64 | BA | 276 |
| BA | 277 | 21 | 13.170 | 44 | 22.080 | 912.4M | 978436.86 | 978708.60 | 9.88 | 92.22 | 0.00 | 0.00 | 1.04 | -93.26 | 0.45 | BA | 277 |
| BA | 278 | 21 | 8.080 | 44 | 19.000 | 897.5M | 978439.83 | 978703.44 | 13.40 | 87.03 | 0.00 | 0.00 | 1.03 | -88.05 | 0.74 | BA | 278 |
| BA | 279 | 21 | 10.670 | 44 | 12.830 | 887.4M | 978446.81 | 978706.06 | 14.65 | -84.65 | 0.00 | 0.00 | 1.02 | -85.67 | 0.90 | BA | 279 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 280 | 21 | 13.420 | 44 | 8.330 | 871.5M | 978450.31 | 978708.85 | 10.45 | 87.07 | 0.00 | 0.00 | 1.01 | -88.08 | 0.18 | BA | 280 |
| BA | 281 | 21 | 15.330 | 44 | 2.500 | 857.6M | 978443.51 | 978710.79 | -2.58 | -98.54 | 0.00 | 0.00 | 1.00 | -99.54 | 0.48 | BA | 281 |
| BA | 282 | 21 | 17.920 | 43 | 57.170 | 866.0M | 978448.14 | 978713.43 | 2.08 | 94.89 | 0.00 | 0.00 | 1.00 | -95.90 | 1.10 | BA | 282 |
| BA | 283 | 21 | 20.580 | 43 | 51.920 | 864.2M | 978454.78 | 978716.13 | 5.39 | -91.32 | 0.00 | 0.00 | 1.00 | -92.32 | 0.87 | BA | 283 |
| BA | 284 | 21 | 22.670 | 43 | 47.080 | 1244.3M | 978393.29 | 978718.27 | 59.05 | -80.19 | 0.00 | 0.00 | 1.27 | -81.46 | 0.48 | BA | 284 |
| BA | 285 | 21 | 25.580 | 43 | 41.580 | 1062.4M | 978437.43 | 978721.24 | 44.09 | -74.79 | 0.00 | 0.00 | 1.16 | -75.95 | 0.45 | BA | 285 |
| BA | 286 | 21 | 25.330 | 43 | 41.670 | 924.5M | 978464.13 | 978720.98 | 28.49 | -74.96 | 0.00 | 0.00 | 1.05 | -76.01 | 0.26 | BA | 286 |
| BA | 287 | 21 | 25.670 | 43 | 41.670 | 957.8M | 978456.57 | 978721.33 | 30.86 | -76.31 | 0.00 | 0.00 | 1.08 | -77.39 | 0.58 | BA | 287 |
| BA | 288 | 21 | 13.170 | 43 | 28.080 | 848.3M | 978455.10 | 978708.60 | 8.34 | 86.59 | 0.00 | 0.00 | 0.99 | -87.58 | 0.13 | BA | 288 |
| BA | 289 | 21 | 37.830 | 43 | 42.580 | 985.5M | 978433.81 | 978733.82 | 4.16 | -106.11 | 0.00 | 0.00 | 1.10 | -107.21 | 0.45 | BA | 289 |
| BA | 290 | 21 | 39.500 | 43 | 37.500 | 1044.0M | 978450.49 | 978735.54 | 37.17 | 79.65 | 0.00 | 0.00 | 1.14 | -80.79 | 0.16 | BA | 290 |
| BA | 291 | 21 | 39.830 | 43 | 37.250 | 948.1M | 978470.63 | 978735.88 | 27.38 | 78.71 | 0.00 | 0.00 | 1.07 | -79.78 | 1.82 | BA | 291 |
| BA | 292 | 21 | 40.080 | 43 | 37.170 | 951.7M | 978469.61 | 978736.14 | 27.21 | -79.28 | 0.00 | 0.00 | 1.07 | -80.35 | 0.32 | BA | 292 |
| BA | 293 | 21 | 43.170 | 43 | 31.420 | 903.4M | 978478.02 | 978739.33 | 17.53 | -83.56 | 0.00 | 0.00 | 1.03 | -84.60 | 0.18 | BA | 293 |
| BA | 294 | 21 | 45.580 | 43 | 27.080 | 900.4M | 978489.28 | 978741.82 | 25.37 | 75.38 | 0.00 | 0.00 | 1.03 | 76.42 | 0.14 | BA | 294 |
| BA | 295 | 21 | 47.080 | 43 | 21.830 | 868.4M | 978499.16 | 978743.37 | 23.82 | -73.35 | 0.00 | 0.00 | 1.00 | -74.36 | 0.21 | BA | 295 |
| BA | 296 | 21 | 49.420 | 43 | 16.330 | 875.9M | 978514.07 | 978745.80 | 38.62 | -59.39 | 0.00 | 0.00 | 1.01 | -60.41 | 2.05 | BA | 296 |
| BA | 297 | 21 | 51.670 | 43 | 11.670 | 861.4M | 978521.42 | 978748.14 | 39.16 | 57.23 | 0.00 | 0.00 | 1.00 | -58.23 | 0.54 | BA | 297 |
| BA | 298 | 21 | 54.830 | 43 | 5.920 | 853.2M | 978518.72 | 978751.43 | 30.64 | 64.83 | 0.00 | 0.00 | 0.99 | 65.83 | 0.39 | BA | 298 |
| BA | 299 | 21 | 56.750 | 43 | 1.000 | 869.2M | 978518.78 | 978753.43 | 33.63 | -63.63 | 0.00 | 0.00 | 1.01 | -64.63 | 0.24 | BA | 299 |
| BA | 300 | 21 | 51.920 | 42 | 57.580 | 863.7M | 978510.22 | 978748.40 | 28.41 | -68.24 | 0.00 | 0.00 | 1.00 | -69.24 | 0.61 | BA | 300 |
| BA | 301 | 21 | 39.670 | 43 | 3.250 | 857.1M | 978508.08 | 978735.71 | 36.91 | -58.99 | 0.00 | 0.00 | 1.00 | -59.99 | 0.26 | BA | 301 |
| BA | 302 | 21 | 47.000 | 43 | 8.670 | 856.3M | 978504.07 | 978743.29 | 25.08 | -70.74 | 0.00 | 0.00 | 0.99 | -71.73 | 0.14 | BA | 302 |
| BA | 303 | 21 | 44.830 | 43 | 13.920 | 856.6M | 978511.77 | 978741.04 | 35.12 | -60.73 | 0.00 | 0.00 | 0.99 | -61.73 | 0.29 | BA | 303 |
| BA | 304 | 21 | 42.330 | 43 | 18.830 | 850.9M | 978490.20 | 978738.46 | 22.38 | -72.84 | 0.00 | 0.00 | 0.99 | -73.83 | 0.29 | BA | 304 |
| BA | 305 | 21 | 39.750 | 43 | 24.250 | 865.0M | 978492.81 | 978735.80 | 24.00 | -72.79 | 0.00 | 0.00 | 1.00 | -73.79 | 0.48 | BA | 305 |
| BA | 306 | 21 | 37.420 | 43 | 29.670 | 878.4M | 978481.13 | 978733.39 | 18.86 | -79.43 | 0.00 | 0.00 | 1.01 | -80.45 | 0.51 | BA | 306 |
| BA | 307 | 21 | 36.750 | 43 | 34.580 | 983.1M | 978457.17 | 978732.70 | 27.90 | -82.11 | 0.00 | 0.00 | 1.10 | -83.21 | 0.13 | BA | 307 |
| BA | 308 | 21 | 33.830 | 43 | 36.000 | 894.0M | 978476.01 | 978729.70 | 22.25 | -77.79 | 0.00 | 0.00 | 1.03 | -78.82 | 0.16 | BA | 308 |
| BA | 309 | 21 | 41.670 | 43 | 45.500 | 1105.5M | 978398.90 | 978737.78 | 2.32 | -121.38 | 0.00 | 0.00 | 1.19 | -122.57 | 0.42 | BA | 309 |
| BA | 310 | 21 | 39.920 | 43 | 50.330 | 1156.6M | 978388.40 | 978735.97 | 9.39 | -120.03 | 0.00 | 0.00 | 1.22 | -121.25 | 0.29 | BA | 310 |
| BA | 311 | 21 | 39.830 | 43 | 50.750 | 1078.7M | 978404.60 | 978735.88 | 1.65 | -119.05 | 0.00 | 0.00 | 1.17 | -120.22 | 0.18 | BA | 311 |
| BA | 312 | 21 | 40.000 | 43 | 49.830 | 1089.5M | 978402.70 | 978736.05 | 2.91 | -119.01 | 0.00 | 0.00 | 1.18 | -120.18 | 0.51 | BA | 312 |
| BA | 313 | 21 | 37.170 | 43 | 56.000 | 1045.2M | 978406.45 | 978733.14 | -4.09 | -121.05 | 0.00 | 0.00 | 1.14 | -122.19 | 0.24 | BA | 313 |
| BA | 314 | 21 | 34.250 | 44 | 1.750 | 1009.3M | 978407.66 | 978730.13 | 10.96 | -123.90 | 0.00 | 0.00 | 1.12 | -125.01 | 0.26 | BA | 314 |
| BA | 315 | 21 | 21.920 | 44 | 4.500 | 1010.2M | 978416.65 | 978717.50 | 10.94 | -102.10 | 0.00 | 0.00 | 1.12 | -103.22 | 0.64 | BA | 315 |
| BA | 316 | 21 | 30.170 | 44 | 9.330 | 972.6M | 978428.55 | 978725.94 | 2.80 | -106.03 | 0.00 | 0.00 | 1.09 | -107.12 | 0.67 | BA | 316 |
| BA | 317 | 21 | 27.500 | 44 | 15.500 | 931.6M | 978441.85 | 978723.20 | 6.18 | 98.06 | 0.00 | 0.00 | 1.06 | 99.12 | 0.71 | BA | 317 |
| BA | 318 | 21 | 24.670 | 44 | 21.420 | 917.1M | 978434.54 | 978720.31 | -2.71 | -105.33 | 0.00 | 0.00 | 1.05 | 106.37 | 0.26 | BA | 318 |
| BA | 319 | 21 | 22.000 | 44 | 20.580 | 881.6M | 978438.26 | 978717.58 | -7.21 | -105.86 | 0.00 | 0.00 | 1.02 | -106.88 | 0.45 | BA | 319 |
| BA | 320 | 21 | 18.080 | 44 | 22.330 | 927.6M | 978430.96 | 978713.59 | 3.68 | -100.12 | 0.00 | 0.00 | 1.05 | -101.17 | 0.32 | BA | 320 |
| BA | 321 | 21 | 19.670 | 44 | 17.250 | 986.7M | 978427.12 | 978715.21 | 16.45 | 93.96 | 0.00 | 0.00 | 1.10 | -95.06 | 0.21 | BA | 321 |
| BA | 322 | 21 | 23.000 | 44 | 13.080 | 982.3M | 978436.73 | 978718.60 | 21.31 | -88.61 | 0.00 | 0.00 | 1.10 | -89.70 | 0.18 | BA | 322 |
| BA | 323 | 21 | 25.080 | 44 | 8.420 | 1015.1M | 978423.74 | 978720.73 | 16.32 | 97.27 | 0.00 | 0.00 | 1.12 | -98.39 | 0.32 | BA | 323 |
| BA | 324 | 21 | 27.170 | 44 | 2.920 | 1029.3M | 978411.85 | 978722.87 | 6.67 | -108.51 | 0.00 | 0.00 | 1.13 | -109.64 | 0.16 | BA | 324 |
| BA | 325 | 21 | 30.500 | 44 | 56.500 | 992.9M | 978412.59 | 978726.28 | -7.24 | -118.34 | 0.00 | 0.00 | 1.11 | -119.44 | 0.67 | BA | 325 |
| BA | 326 | 21 | 32.580 | 43 | 53.170 | 1110.8M | 978397.05 | 978728.41 | 11.47 | -112.83 | 0.00 | 0.00 | 1.19 | 114.02 | 0.13 | BA | 326 |
| BA | 327 | 21 | 34.250 | 43 | 16.420 | 1084.6M | 978408.42 | 978730.13 | 13.04 | -108.33 | 0.00 | 0.00 | 1.17 | -109.50 | 0.26 | BA | 327 |
| BA | 328 | 21 | 46.250 | 43 | 48.580 | 1090.9M | 978399.79 | 978742.51 | -3.56 | -126.53 | 0.00 | 0.00 | 1.18 | -127.71 | 0.14 | BA | 328 |
| BA | 329 | 21 | 48.420 | 43 | 42.500 | 1012.8M | 978420.80 | 978744.76 | -3.37 | -116.70 | 0.00 | 0.00 | 1.12 | -117.82 | 0.54 | BA | 329 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued**

| ID | | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 330 | 21 51.000 | 43 37.170 | 973.2M | 978440.98 | 978747.44 | -6.09 | -114.99 | 0.00 | 0.00 | 1.09 | -116.08 | 0.18 | BA 330 |
| BA | 331 | 21 56.670 | 43 32.500 | 956.2M | 978467.71 | 978753.34 | 9.49 | 97.50 | 0.00 | 0.00 | 1.08 | 98.58 | 0.15 | BA 331 |
| BA | 333 | 21 55.750 | 43 32.670 | 984.3M | 978459.98 | 978752.38 | 11.39 | -98.75 | 0.00 | 0.00 | 1.10 | -99.85 | 0.42 | BA 333 |
| BA | 334 | 21 55.500 | 43 27.670 | 913.3M | 978461.50 | 978752.12 | 11.23 | -90.95 | 0.00 | 0.00 | 1.04 | -91.99 | 0.16 | BA 334 |
| BA | 335 | 21 58.750 | 43 22.500 | 899.0M | 978495.76 | 978755.51 | 17.72 | 82.07 | 0.00 | 0.00 | 1.03 | -83.90 | 0.19 | BA 335 |
| BA | 336 | 22 0.920 | 43 17.420 | 899.5M | 978507.48 | 978757.78 | 27.33 | -73.32 | 0.00 | 0.00 | 1.03 | 74.35 | 0.36 | BA 336 |
| BA | 337 | 22 3.250 | 43 12.920 | 890.9M | 978520.73 | 978760.22 | 35.49 | -64.20 | 0.00 | 0.00 | 1.02 | 65.22 | 0.15 | BA 337 |
| BA | 338 | 22 6.170 | 43 6.420 | 880.6M | 978537.63 | 978763.27 | 46.15 | 52.38 | 0.00 | 0.00 | 1.02 | -53.40 | 0.29 | BA 338 |
| BA | 339 | 22 1.670 | 43 3.500 | 869.5M | 978524.13 | 978758.56 | 33.94 | -63.36 | 0.00 | 0.00 | 1.01 | -64.36 | 0.32 | BA 339 |
| BA | 340 | 21 59.420 | 43 7.750 | 865.5M | 978520.81 | 978756.21 | 39.74 | -57.11 | 0.00 | 0.00 | 1.00 | -58.11 | 0.54 | BA 340 |
| BA | 341 | 21 56.920 | 43 13.500 | 874.0M | 978511.39 | 978753.60 | 27.55 | -70.25 | 0.00 | 0.00 | 1.01 | 71.26 | 0.27 | BA 341 |
| BA | 342 | 21 53.420 | 43 18.830 | 885.0M | 978502.64 | 978749.96 | 25.84 | 73.19 | 0.00 | 0.00 | 1.02 | -74.21 | 2.05 | BA 342 |
| BA | 343 | 21 51.830 | 43 23.830 | 887.6M | 978498.42 | 978748.30 | 24.07 | 75.25 | 0.00 | 0.00 | 1.02 | -76.27 | 0.15 | BA 343 |
| BA | 344 | 21 49.170 | 43 29.080 | 910.6M | 978478.84 | 978745.54 | 14.35 | 87.54 | 0.00 | 0.00 | 1.04 | -88.58 | 0.54 | BA 344 |
| BA | 345 | 21 51.330 | 43 49.420 | 1292.9M | 978360.35 | 978747.79 | 11.58 | -133.09 | 0.00 | 0.00 | 1.30 | -134.39 | 1.79 | BA 345 |
| BA | 346 | 21 51.250 | 43 50.000 | 1146.8M | 978394.63 | 978747.70 | 0.87 | -127.46 | 0.00 | 0.00 | 1.21 | -128.67 | 0.64 | BA 346 |
| BA | 347 | 21 51.500 | 43 48.920 | 1111.0M | 978402.31 | 978747.96 | -2.76 | -127.08 | 0.00 | 0.00 | 1.19 | -128.27 | 0.71 | BA 347 |
| BA | 348 | 21 49.000 | 43 55.580 | 1135.3M | 978398.29 | 978745.37 | 3.32 | -123.72 | 0.00 | 0.00 | 1.21 | -124.93 | 0.87 | BA 348 |
| BA | 349 | 21 46.030 | 44 0.420 | 1066.4M | 978415.40 | 978742.29 | 2.33 | -117.00 | 0.00 | 0.00 | 1.16 | -118.16 | 0.61 | BA 349 |
| BA | 350 | 21 43.950 | 44 5.320 | 1063.7M | 978423.07 | 978740.13 | 11.24 | -107.79 | 0.00 | 0.00 | 1.16 | -108.95 | 0.18 | BA 350 |
| BA | 351 | 21 41.680 | 44 10.650 | 1025.8M | 978422.41 | 978737.79 | 1.23 | 113.56 | 0.00 | 0.00 | 1.13 | -114.69 | 0.32 | BA 351 |
| BA | 352 | 21 39.080 | 44 15.250 | 985.8M | 978430.95 | 978735.10 | 0.11 | -110.20 | 0.00 | 0.00 | 1.10 | -111.30 | 1.10 | BA 352 |
| BA | 353 | 21 36.580 | 44 18.030 | 954.0M | 978442.90 | 978732.53 | 4.82 | -101.93 | 0.00 | 0.00 | 1.08 | -103.00 | 1.53 | BA 353 |
| BA | 354 | 21 33.580 | 44 23.130 | 938.0M | 978441.41 | 978729.44 | 1.48 | -103.48 | 0.00 | 0.00 | 1.06 | -104.54 | 1.07 | BA 354 |
| BA | 355 | 21 31.330 | 44 27.330 | 961.5M | 978433.69 | 978727.13 | 3.32 | -104.27 | 0.00 | 0.00 | 1.08 | -105.35 | 0.48 | BA 355 |
| BA | 356 | 21 27.330 | 44 30.420 | 910.7M | 978442.14 | 978723.03 | 0.20 | -101.71 | 0.00 | 0.00 | 1.04 | -102.75 | 0.42 | BA 356 |
| BA | 357 | 21 29.580 | 44 24.250 | 914.3M | 978444.53 | 978725.34 | 1.39 | -100.91 | 0.00 | 0.00 | 1.04 | -101.96 | 0.67 | BA 357 |
| BA | 358 | 21 32.000 | 44 16.130 | 953.1M | 978435.13 | 978727.82 | 1.48 | -105.17 | 0.00 | 0.00 | 1.07 | 106.24 | 0.61 | BA 358 |
| BA | 359 | 21 34.670 | 44 11.670 | 984.7M | 978424.82 | 978730.56 | -1.82 | -112.01 | 0.00 | 0.00 | 1.10 | -113.10 | 0.87 | BA 359 |
| BA | 360 | 21 37.000 | 44 7.150 | 1015.6M | 978416.50 | 978732.96 | -3.00 | -116.65 | 0.00 | 0.00 | 1.12 | -117.77 | 0.58 | BA 360 |
| BA | 361 | 21 40.580 | 44 3.180 | 1029.3M | 978415.34 | 978736.65 | -3.63 | -118.80 | 0.00 | 0.00 | 1.13 | -119.94 | 0.32 | BA 361 |
| BA | 362 | 21 42.420 | 43 57.830 | 1074.9M | 978407.42 | 978738.55 | 0.62 | -119.66 | 0.00 | 0.00 | 1.17 | -120.82 | 0.93 | BA 362 |
| BA | 363 | 23 18.750 | 44 38.750 | 916.0M | 978575.97 | 978841.01 | 17.68 | -84.82 | 0.00 | 0.00 | 1.04 | -85.86 | 0.51 | BA 363 |
| BA | 364 | 23 21.080 | 44 32.670 | 895.7M | 978591.92 | 978843.55 | 24.82 | 75.41 | 0.00 | 0.00 | 1.03 | -76.44 | 0.39 | BA 364 |
| BA | 365 | 23 23.500 | 44 27.920 | 884.8M | 978607.62 | 978846.21 | 34.50 | -64.51 | 0.00 | 0.00 | 1.02 | -65.52 | 0.45 | BA 365 |
| BA | 366 | 23 25.750 | 44 22.830 | 867.7M | 978629.53 | 978848.67 | 48.67 | 48.43 | 0.00 | 0.00 | 1.00 | -49.43 | 0.48 | BA 366 |
| BA | 367 | 23 26.500 | 44 16.920 | 843.5M | 978635.62 | 978849.50 | 46.47 | 47.92 | 0.00 | 0.00 | 0.98 | -48.90 | 0.36 | BA 367 |
| BA | 368 | 23 32.500 | 44 12.670 | 853.9M | 978637.13 | 978856.09 | 44.59 | -50.96 | 0.00 | 0.00 | 0.99 | -51.95 | 0.21 | BA 368 |
| BA | 369 | 23 35.420 | 44 8.330 | 874.6M | 978630.46 | 978859.31 | 49.09 | -48.78 | 0.00 | 0.00 | 1.01 | 49.79 | 0.64 | BA 369 |
| BA | 370 | 23 23.250 | 44 14.420 | 824.6M | 978628.62 | 978845.93 | 37.20 | -55.07 | 0.00 | 0.00 | 0.97 | -56.04 | 0.27 | BA 370 |
| BA | 371 | 23 21.250 | 44 19.580 | 828.5M | 978632.63 | 978843.74 | 44.60 | 48.10 | 0.00 | 0.00 | 0.97 | -49.07 | 0.30 | BA 371 |
| BA | 372 | 23 18.830 | 44 25.500 | 848.2M | 978609.77 | 978841.09 | 30.47 | 64.44 | 0.00 | 0.00 | 0.99 | -65.43 | 0.55 | BA 372 |
| BA | 373 | 23 15.830 | 44 30.830 | 856.4M | 978591.05 | 978837.82 | 17.56 | -78.27 | 0.00 | 0.00 | 0.99 | -79.27 | 0.74 | BA 373 |
| BA | 374 | 23 13.330 | 44 35.580 | 843.1M | 978583.57 | 978835.09 | 8.70 | 85.64 | 0.00 | 0.00 | 0.98 | 86.62 | 0.15 | BA 374 |
| BA | 375 | 23 11.500 | 44 36.170 | 1052.3M | 978535.83 | 978833.10 | 27.51 | -90.24 | 0.00 | 0.00 | 1.15 | -91.39 | 1.00 | BA 375 |
| BA | 376 | 23 11.920 | 44 36.420 | 862.6M | 978575.15 | 978833.55 | 7.83 | 88.69 | 0.00 | 0.00 | 1.00 | -89.69 | 0.19 | BA 376 |
| BA | 377 | 23 10.750 | 44 36.080 | 820.3M | 978595.93 | 978832.28 | 16.83 | -74.96 | 0.00 | 0.00 | 0.96 | -75.92 | 0.61 | BA 377 |
| BA | 378 | 23 37.920 | 44 49.450 | 921.7M | 978616.18 | 978862.07 | 38.50 | -64.56 | 0.00 | 0.00 | 1.05 | -65.61 | 0.24 | BA 378 |
| BA | 379 | 23 40.750 | 44 44.750 | 980.3M | 978595.51 | 978865.20 | 32.86 | -76.83 | 0.00 | 0.00 | 1.10 | -77.93 | 0.14 | BA 379 |
| BA | 380 | 23 43.000 | 44 37.830 | 1064.6M | 978575.20 | 978867.69 | 36.07 | -83.05 | 0.00 | 0.00 | 1.16 | -84.21 | 0.22 | BA 380 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map–Continued**

| ID | | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 381 | 23 45.250 | 44 34.000 | 1025.7M | 978595.43 | 978870.19 | 41.81 | -72.97 | 0.00 | 0.00 | 1.13 | -74.10 | 0.24 | BA | 381 |
| BA | 382 | 23 47.580 | 44 28.420 | 1048.1M | 978586.62 | 978872.77 | 37.32 | -79.96 | 0.00 | 0.00 | 1.15 | -81.10 | 0.55 | BA | 382 |
| BA | 383 | 23 50.500 | 44 22.920 | 1032.7M | 978584.53 | 978876.02 | 27.24 | -88.32 | 0.00 | 0.00 | 1.14 | -89.46 | 0.22 | BA | 383 |
| BA | 384 | 23 53.000 | 44 18.330 | 1005.3M | 978604.40 | 978878.80 | 35.87 | 76.62 | 0.00 | 0.00 | 1.11 | -77.74 | 0.24 | BA | 384 |
| BA | 385 | 23 55.080 | 44 12.330 | 977.9M | 978629.52 | 978881.12 | 50.22 | -59.21 | 0.00 | 0.00 | 1.09 | -60.30 | 0.39 | BA | 385 |
| BA | 386 | 23 57.670 | 44 6.920 | 956.8M | 978648.36 | 978884.00 | 59.66 | -47.41 | 0.00 | 0.00 | 1.08 | -48.49 | 0.22 | BA | 386 |
| BA | 387 | 23 52.920 | 44 4.580 | 965.0M | 978652.08 | 978878.71 | 71.20 | -36.78 | 0.00 | 0.00 | 1.08 | -37.86 | 0.22 | BA | 387 |
| BA | 388 | 23 50.670 | 44 10.080 | 1046.5M | 978621.56 | 978876.20 | 68.33 | -48.77 | 0.00 | 0.00 | 1.15 | -49.91 | 0.55 | BA | 388 |
| BA | 389 | 23 50.500 | 44 10.670 | 968.6M | 978637.88 | 978876.02 | 60.81 | 47.58 | 0.00 | 0.00 | 1.09 | 48.66 | 0.14 | BA | 389 |
| BA | 390 | 23 50.580 | 44 9.670 | 955.9M | 978641.26 | 978876.11 | 60.10 | -46.78 | 0.00 | 0.00 | 1.08 | -47.86 | 0.14 | BA | 390 |
| BA | 391 | 23 47.580 | 44 15.330 | 943.0M | 978630.97 | 978872.77 | 49.24 | 56.28 | 0.00 | 0.00 | 1.07 | -57.34 | 0.14 | BA | 391 |
| BA | 392 | 23 45.000 | 44 20.330 | 967.3M | 978611.93 | 978869.91 | 40.56 | -67.67 | 0.00 | 0.00 | 1.09 | 68.76 | 0.24 | BA | 392 |
| BA | 393 | 23 42.500 | 44 25.080 | 997.1M | 978589.12 | 978867.14 | 29.72 | -81.85 | 0.00 | 0.00 | 1.11 | -82.96 | 0.24 | BA | 393 |
| BA | 394 | 23 39.170 | 44 29.830 | 977.7M | 978597.24 | 978863.45 | 35.54 | -73.86 | 0.00 | 0.00 | 1.09 | -74.96 | 0.24 | BA | 394 |
| BA | 395 | 23 37.420 | 44 36.330 | 1045.0M | 978572.77 | 978861.52 | 33.77 | -83.17 | 0.00 | 0.00 | 1.14 | -84.31 | 0.39 | BA | 395 |
| BA | 396 | 23 35.080 | 44 41.580 | 1009.4M | 978579.61 | 978858.94 | 32.21 | -80.74 | 0.00 | 0.00 | 1.12 | 81.86 | 1.43 | BA | 396 |
| BA | 397 | 23 33.170 | 44 46.330 | 963.9M | 978597.69 | 978856.83 | 38.35 | 69.51 | 0.00 | 0.00 | 1.08 | -70.59 | 0.24 | BA | 397 |
| BA | 398 | 23 14.500 | 44 33.500 | 838.7M | 978587.51 | 978836.37 | 10.01 | -83.84 | 0.00 | 0.00 | 0.98 | -84.82 | 0.24 | BA | 398 |
| BA | 399 | 23 35.080 | 44 54.920 | 864.7M | 978625.22 | 978858.94 | 33.17 | 63.59 | 0.00 | 0.00 | 1.00 | -64.59 | 0.64 | BA | 399 |
| BA | 400 | 23 32.750 | 44 59.250 | 829.9M | 978632.95 | 978856.37 | 32.73 | 60.14 | 0.00 | 0.00 | 0.97 | -61.11 | 0.15 | BA | 400 |
| BA | 401 | 23 32.080 | 45 5.500 | 869.4M | 978627.86 | 978855.63 | 40.56 | -56.72 | 0.00 | 0.00 | 1.01 | -57.73 | 0.45 | BA | 401 |
| BA | 402 | 23 26.830 | 45 11.500 | 883.7M | 978630.40 | 978849.86 | 53.29 | -45.60 | 0.00 | 0.00 | 1.02 | -46.61 | 0.64 | BA | 402 |
| BA | 403 | 23 25.250 | 45 15.670 | 816.8M | 978647.77 | 978848.12 | 51.75 | -39.65 | 0.00 | 0.00 | 0.96 | 40.61 | 0.45 | BA | 403 |
| BA | 404 | 23 22.330 | 45 20.830 | 793.7M | 978633.07 | 978844.92 | 33.12 | 55.69 | 0.00 | 0.00 | 0.94 | -56.63 | 0.30 | BA | 404 |
| BA | 405 | 23 19.920 | 45 26.330 | 784.6M | 978610.23 | 978842.29 | 10.11 | -77.68 | 0.00 | 0.00 | 0.93 | -78.61 | 0.48 | BA | 405 |
| BA | 406 | 23 17.080 | 45 31.250 | 753.8M | 978609.04 | 978839.18 | 9.52 | 81.83 | 0.00 | 0.00 | 0.90 | -82.73 | 1.00 | BA | 406 |
| BA | 407 | 23 13.080 | 45 28.500 | 772.5M | 978582.42 | 978834.82 | 13.96 | 100.40 | 0.00 | 0.00 | 0.92 | -101.33 | 0.17 | BA | 407 |
| BA | 408 | 23 15.920 | 45 23.080 | 821.8M | 978597.51 | 978837.91 | 13.24 | -78.72 | 0.00 | 0.00 | 0.96 | -79.68 | 0.19 | BA | 408 |
| BA | 409 | 23 10.170 | 45 17.750 | 832.6M | 978613.57 | 978840.37 | 30.10 | -62.99 | 0.00 | 0.00 | 0.97 | -63.96 | 0.27 | BA | 409 |
| BA | 410 | 23 20.250 | 45 13.250 | 876.1M | 978624.64 | 978842.65 | 52.40 | -45.64 | 0.00 | 0.00 | 1.01 | -46.65 | 0.36 | BA | 410 |
| BA | 411 | 23 22.830 | 45 8.330 | 850.3M | 978624.97 | 978845.47 | 41.94 | -53.21 | 0.00 | 0.00 | 0.99 | -54.20 | 0.42 | BA | 411 |
| BA | 412 | 23 25.580 | 45 2.330 | 821.6M | 978624.20 | 978848.49 | 29.30 | -62.64 | 0.00 | 0.00 | 0.96 | 63.60 | 0.27 | BA | 412 |
| BA | 413 | 23 28.080 | 44 57.080 | 821.5M | 978624.34 | 978851.23 | 26.66 | -65.26 | 0.00 | 0.00 | 0.96 | 66.23 | 0.27 | BA | 413 |
| BA | 414 | 23 29.250 | 44 54.250 | 926.8M | 978603.59 | 978852.52 | 37.12 | 66.59 | 0.00 | 0.00 | 1.05 | 67.64 | 0.14 | BA | 414 |
| BA | 415 | 23 29.250 | 44 54.580 | 866.8M | 978615.38 | 978852.52 | 30.39 | -66.60 | 0.00 | 0.00 | 1.00 | -67.60 | 0.21 | BA | 415 |
| BA | 416 | 23 29.420 | 44 54.000 | 858.7M | 978617.48 | 978852.70 | 29.81 | 66.28 | 0.00 | 0.00 | 1.00 | -67.27 | 0.36 | BA | 416 |
| BA | 417 | 23 31.670 | 44 50.080 | 885.8M | 978613.70 | 978855.18 | 31.92 | 67.20 | 0.00 | 0.00 | 1.02 | -68.22 | 0.14 | BA | 417 |
| BA | 418 | 23 28.000 | 44 43.670 | 924.0M | 978593.76 | 978851.14 | 27.80 | 75.59 | 0.00 | 0.00 | 1.05 | -76.65 | 0.36 | BA | 418 |
| BA | 419 | 23 35.420 | 44 38.920 | 1001.8M | 978571.73 | 978859.31 | 21.61 | 90.49 | 0.00 | 0.00 | 1.11 | -91.61 | 0.14 | BA | 419 |
| BA | 420 | 23 32.750 | 44 34.080 | 980.9M | 978590.92 | 978856.37 | 37.29 | 72.47 | 0.00 | 0.00 | 1.10 | -73.57 | 0.24 | BA | 420 |
| BA | 421 | 23 34.830 | 44 29.420 | 956.0M | 978595.00 | 978858.66 | 31.39 | -75.58 | 0.00 | 0.00 | 1.08 | -76.66 | 0.15 | BA | 421 |
| BA | 422 | 23 37.420 | 44 22.920 | 942.6M | 978610.32 | 978861.52 | 39.72 | -65.75 | 0.00 | 0.00 | 1.07 | 66.82 | 0.30 | BA | 422 |
| BA | 423 | 23 40.170 | 44 16.920 | 928.6M | 978637.34 | 978864.56 | 59.38 | -44.53 | 0.00 | 0.00 | 1.05 | -45.58 | 0.19 | BA | 423 |
| BA | 424 | 23 43.750 | 44 11.670 | 905.8M | 978644.87 | 978868.52 | 55.91 | 45.44 | 0.00 | 0.00 | 1.04 | -46.48 | 0.17 | BA | 424 |
| BA | 425 | 23 45.670 | 44 7.170 | 928.1M | 978637.60 | 978870.65 | 53.40 | -50.46 | 0.00 | 0.00 | 1.05 | -51.51 | 0.17 | BA | 425 |
| BA | 426 | 23 47.420 | 44 2.330 | 956.9M | 978640.90 | 978872.59 | 63.64 | -43.44 | 0.00 | 0.00 | 1.08 | -44.51 | 0.30 | BA | 426 |
| BA | 427 | 23 42.580 | 44 0.080 | 912.2M | 978635.80 | 978867.23 | 50.11 | 51.96 | 0.00 | 0.00 | 1.04 | 53.00 | 0.17 | BA | 427 |
| BA | 428 | 23 40.750 | 44 4.250 | 913.2M | 978632.65 | 978865.20 | 49.30 | -52.89 | 0.00 | 0.00 | 1.04 | -53.93 | 0.30 | BA | 428 |
| BA | 429 | 23 38.330 | 44 9.330 | 880.6M | 978641.09 | 978862.53 | 50.35 | -48.18 | 0.00 | 0.00 | 1.02 | -49.20 | 0.77 | BA | 429 |
| BA | 430 | 23 35.420 | 44 14.500 | 877.9M | 978633.43 | 978859.31 | 45.07 | 53.16 | 0.00 | 0.00 | 1.01 | -54.17 | 0.27 | BA | 430 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued**

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 431 | 23 | 32.920 | 44 | 20.420 | 935.6M | 978631.45 | 978856.56 | 63.66 | 41.04 | 0.00 | 0.00 | 1.06 | -42.10 | 0.45 | BA | 431 |
| BA | 432 | 23 | 30.170 | 44 | 25.080 | 916.3M | 978607.55 | 978853.53 | 36.83 | -65.70 | 0.00 | 0.00 | 1.04 | -66.75 | 0.15 | BA | 432 |
| BA | 433 | 23 | 28.080 | 44 | 30.920 | 944.2M | 978589.28 | 978851.23 | 29.46 | -76.19 | 0.00 | 0.00 | 1.07 | -77.26 | 0.14 | BA | 433 |
| BA | 434 | 23 | 24.750 | 44 | 36.920 | 926.3M | 978591.05 | 978847.58 | 29.37 | 74.28 | 0.00 | 0.00 | 1.05 | -75.34 | 0.27 | BA | 434 |
| BA | 435 | 23 | 24.420 | 44 | 41.080 | 1085.0M | 978548.12 | 978847.21 | 35.77 | 85.64 | 0.00 | 0.00 | 1.17 | 86.81 | 0.21 | BA | 435 |
| BA | 436 | 23 | 24.670 | 44 | 41.750 | 952.7M | 978576.89 | 978847.49 | 23.44 | 83.16 | 0.00 | 0.00 | 1.07 | 84.24 | 0.36 | BA | 436 |
| BA | 437 | 23 | 24.000 | 44 | 40.250 | 951.6M | 978576.49 | 978846.75 | 23.44 | 83.05 | 0.00 | 0.00 | 1.07 | -84.12 | 0.36 | BA | 437 |
| BA | 438 | 23 | 25.420 | 44 | 49.170 | 864.1M | 978608.23 | 978848.31 | 26.62 | 70.07 | 0.00 | 0.00 | 1.00 | -71.07 | 0.21 | BA | 438 |
| BA | 439 | 23 | 24.000 | 44 | 54.080 | 832.1M | 978614.56 | 978846.75 | 24.63 | 68.48 | 0.00 | 0.00 | 0.97 | -69.45 | 0.24 | BA | 439 |
| BA | 440 | 23 | 20.830 | 44 | 58.920 | 822.5M | 978615.20 | 978843.28 | 25.78 | 66.25 | 0.00 | 0.00 | 0.97 | -67.22 | 0.24 | BA | 440 |
| BA | 441 | 23 | 18.830 | 44 | 3.750 | 810.1M | 978613.20 | 978841.09 | 22.14 | -68.51 | 0.00 | 0.00 | 0.95 | -69.46 | 0.14 | BA | 441 |
| BA | 442 | 23 | 15.750 | 45 | 10.080 | 783.2M | 978620.44 | 978837.73 | 24.45 | 63.19 | 0.00 | 0.00 | 0.93 | -64.12 | 0.39 | BA | 442 |
| BA | 443 | 23 | 13.830 | 45 | 15.420 | 832.1M | 978610.23 | 978835.63 | 31.42 | -61.69 | 0.00 | 0.00 | 0.97 | -62.66 | 0.55 | BA | 443 |
| BA | 444 | 23 | 11.420 | 45 | 20.330 | 798.2M | 978601.20 | 978833.01 | 14.56 | -74.76 | 0.00 | 0.00 | 0.94 | -75.71 | 0.39 | BA | 444 |
| BA | 445 | 23 | 8.330 | 45 | 25.420 | 780.4M | 978592.32 | 978829.65 | 3.54 | 83.78 | 0.00 | 0.00 | 0.93 | -84.71 | 0.58 | BA | 445 |
| BA | 446 | 23 | 3.500 | 45 | 23.330 | 760.8M | 978617.09 | 978824.41 | 27.51 | 57.62 | 0.00 | 0.00 | 0.91 | -58.53 | 0.90 | BA | 446 |
| BA | 447 | 23 | 6.080 | 45 | 18.080 | 773.2M | 978620.85 | 978827.20 | 32.30 | 54.22 | 0.00 | 0.00 | 0.92 | -55.14 | 0.74 | BA | 447 |
| BA | 448 | 23 | 8.500 | 45 | 12.500 | 770.0M | 978619.06 | 978829.83 | 26.89 | 59.27 | 0.00 | 0.00 | 0.92 | -60.19 | 0.74 | BA | 448 |
| BA | 449 | 23 | 10.580 | 45 | 7.920 | 762.4M | 978616.39 | 978832.09 | 19.61 | -65.70 | 0.00 | 0.00 | 0.91 | -66.61 | 0.74 | BA | 449 |
| BA | 450 | 23 | 13.580 | 45 | 2.670 | 758.7M | 978616.73 | 978835.36 | 15.54 | 69.35 | 0.00 | 0.00 | 0.91 | -70.26 | 0.90 | BA | 450 |
| BA | 451 | 23 | 15.500 | 44 | 57.170 | 775.4M | 978616.70 | 978837.46 | 18.57 | -68.19 | 0.00 | 0.00 | 0.92 | 69.12 | 0.74 | BA | 451 |
| BA | 452 | 23 | 18.580 | 44 | 51.830 | 827.3M | 978606.73 | 978840.82 | 21.25 | -71.32 | 0.00 | 0.00 | 0.97 | -72.29 | 0.39 | BA | 452 |
| BA | 453 | 23 | 20.420 | 44 | 46.920 | 932.4M | 978588.31 | 978842.83 | 33.25 | 71.08 | 0.00 | 0.00 | 1.06 | 72.14 | 0.39 | BA | 453 |
| BA | 454 | 23 | 22.670 | 44 | 41.500 | 992.3M | 978566.16 | 978845.30 | 27.12 | 83.91 | 0.00 | 0.00 | 1.10 | 85.02 | 0.58 | BA | 454 |
| BA | 455 | 23 | 22.670 | 44 | 41.250 | 935.4M | 978578.80 | 978845.30 | 22.21 | 82.46 | 0.00 | 0.00 | 1.06 | -83.52 | 0.24 | BA | 455 |
| BA | 456 | 23 | 22.420 | 44 | 41.920 | 923.2M | 978580.47 | 978845.02 | 20.38 | -82.92 | 0.00 | 0.00 | 1.05 | -83.97 | 0.14 | BA | 456 |
| BA | 457 | 23 | 16.170 | 44 | 44.250 | 848.1M | 978597.63 | 978838.19 | 21.21 | -73.70 | 0.00 | 0.00 | 0.99 | -74.68 | 0.24 | BA | 457 |
| BA | 458 | 23 | 13.420 | 44 | 49.330 | 805.8M | 978604.22 | 978835.19 | 17.74 | -72.43 | 0.00 | 0.00 | 0.95 | -73.38 | 0.27 | BA | 458 |
| BA | 459 | 23 | 11.250 | 44 | 54.330 | 766.2M | 978613.20 | 978832.82 | 16.87 | -68.87 | 0.00 | 0.00 | 0.91 | 69.79 | 0.33 | BA | 459 |
| BA | 460 | 23 | 8.920 | 44 | 59.420 | 773.6M | 978617.66 | 978830.29 | 26.14 | 60.42 | 0.00 | 0.00 | 0.92 | -61.34 | 0.15 | BA | 460 |
| BA | 461 | 23 | 6.080 | 45 | 5.000 | 760.8M | 978619.48 | 978827.20 | 27.10 | -58.03 | 0.00 | 0.00 | 0.91 | 58.94 | 0.15 | BA | 461 |
| BA | 462 | 23 | 3.420 | 45 | 9.920 | 720.6M | 978638.43 | 978824.32 | 36.53 | 44.10 | 0.00 | 0.00 | 0.87 | 44.98 | 0.80 | BA | 462 |
| BA | 463 | 23 | 1.420 | 45 | 14.330 | 750.7M | 978618.47 | 978822.15 | 28.02 | -55.98 | 0.00 | 0.00 | 0.90 | 56.88 | 0.17 | BA | 463 |
| BA | 464 | 22 | 59.330 | 45 | 19.500 | 773.6M | 978622.53 | 978819.89 | 41.41 | 45.15 | 0.00 | 0.00 | 0.92 | -46.07 | 0.17 | BA | 464 |
| BA | 465 | 22 | 53.750 | 45 | 17.500 | 716.7M | 978624.79 | 978813.87 | 32.14 | 48.06 | 0.00 | 0.00 | 0.87 | -48.93 | 0.30 | BA | 465 |
| BA | 466 | 22 | 56.670 | 45 | 12.830 | 699.2M | 978628.00 | 978817.02 | 26.80 | 51.44 | 0.00 | 0.00 | 0.85 | -52.29 | 0.84 | BA | 466 |
| BA | 467 | 22 | 59.330 | 45 | 7.080 | 707.7M | 978633.74 | 978819.89 | 32.29 | -46.90 | 0.00 | 0.00 | 0.86 | -47.76 | 0.64 | BA | 467 |
| BA | 468 | 23 | 1.170 | 45 | 2.080 | 724.1M | 978633.64 | 978821.88 | 35.26 | -45.77 | 0.00 | 0.00 | 0.87 | 46.64 | 0.64 | BA | 468 |
| BA | 469 | 23 | 1.920 | 44 | 58.920 | 827.3M | 978619.74 | 978822.69 | 52.39 | 40.18 | 0.00 | 0.00 | 0.97 | -41.15 | 0.27 | BA | 469 |
| BA | 470 | 23 | 2.080 | 44 | 58.670 | 762.0M | 978634.42 | 978822.87 | 46.75 | 38.52 | 0.00 | 0.00 | 0.91 | -39.43 | 0.27 | BA | 470 |
| BA | 471 | 23 | 1.750 | 44 | 59.330 | 748.1M | 978635.05 | 978822.51 | 43.45 | 40.27 | 0.00 | 0.00 | 0.90 | -41.16 | 0.19 | BA | 471 |
| BA | 472 | 23 | 3.420 | 44 | 56.420 | 739.0M | 978622.91 | 978824.32 | 26.69 | -56.01 | 0.00 | 0.00 | 0.89 | -56.89 | 0.33 | BA | 472 |
| BA | 473 | 23 | 6.080 | 44 | 52.420 | 764.6M | 978607.52 | 978827.20 | 16.31 | 69.25 | 0.00 | 0.00 | 0.91 | -70.16 | 0.42 | BA | 473 |
| BA | 474 | 23 | 8.000 | 44 | 46.420 | 807.2M | 978596.98 | 978829.29 | 16.83 | 73.49 | 0.00 | 0.00 | 0.95 | 74.44 | 0.27 | BA | 474 |
| BA | 475 | 23 | 11.080 | 44 | 41.500 | 827.7M | 978583.42 | 978832.64 | 6.25 | -86.37 | 0.00 | 0.00 | 0.97 | -87.34 | 0.24 | BA | 475 |
| BA | 476 | 23 | 26.250 | 44 | 10.000 | 846.9M | 978624.38 | 978849.22 | 36.55 | 58.22 | 0.00 | 0.00 | 0.99 | -59.20 | 0.17 | BA | 476 |
| BA | 477 | 23 | 28.500 | 44 | 4.830 | 828.0M | 978627.55 | 978851.69 | 31.42 | -61.24 | 0.00 | 0.00 | 0.97 | -62.21 | 0.51 | BA | 477 |
| BA | 478 | 23 | 30.500 | 43 | 59.420 | 849.5M | 978618.54 | 978853.89 | 26.84 | -68.22 | 0.00 | 0.00 | 0.99 | 69.20 | 0.51 | BA | 478 |
| BA | 479 | 23 | 33.830 | 43 | 54.170 | 846.2M | 978617.39 | 978857.56 | 21.01 | 73.68 | 0.00 | 0.00 | 0.99 | -74.67 | 0.55 | BA | 479 |
| BA | 480 | 23 | 38.170 | 43 | 56.920 | 865.5M | 978626.82 | 978862.35 | 31.60 | 65.25 | 0.00 | 0.00 | 1.00 | 66.25 | 0.24 | BA | 480 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map–Continued

| ID | | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 481 | 23 35.750 | 44 2.330 | 851.5M | 978631.49 | 978859.68 | 34.62 | -60.66 | 0.00 | 0.00 | 0.99 | -61.65 | 0.19 | BA | 481 |
| BA | 482 | 23 30.830 | 44 12.750 | 847.6M | 978635.07 | 978854.26 | 42.42 | -52.42 | 0.00 | 0.00 | 0.99 | -53.41 | 0.30 | BA | 482 |
| BA | 483 | 23 4.670 | 44 30.420 | 762.4M | 978600.60 | 978825.67 | 10.24 | -75.07 | 0.00 | 0.00 | 0.91 | 75.98 | 0.21 | BA | 483 |
| BA | 484 | 23 1.170 | 44 35.500 | 784.1M | 978587.03 | 978821.88 | 7.16 | -80.58 | 0.00 | 0.00 | 0.93 | -81.51 | 0.33 | BA | 484 |
| BA | 485 | 22 58.580 | 44 41.830 | 787.0M | 978573.49 | 978819.08 | -2.43 | -90.59 | 0.00 | 0.00 | 0.93 | 91.52 | 0.19 | BA | 485 |
| BA | 486 | 22 59.330 | 44 46.750 | 804.3M | 978571.39 | 978819.89 | -0.25 | -90.25 | 0.00 | 0.00 | 0.95 | 91.20 | 0.30 | BA | 486 |
| BA | 487 | 22 54.580 | 44 51.750 | 837.6M | 978557.35 | 978814.76 | 1.11 | -92.61 | 0.00 | 0.00 | 0.98 | 93.59 | 0.48 | BA | 487 |
| BA | 488 | 22 52.670 | 44 55.000 | 993.7M | 978531.66 | 978812.70 | 25.65 | -85.54 | 0.00 | 0.00 | 1.11 | -86.65 | 0.45 | BA | 488 |
| BA | 489 | 22 53.170 | 44 55.420 | 817.6M | 978570.57 | 978813.24 | 9.68 | -81.81 | 0.00 | 0.00 | 0.96 | -82.77 | 0.15 | BA | 489 |
| BA | 490 | 22 52.250 | 44 54.830 | 890.4M | 978549.11 | 978812.25 | 11.68 | -87.96 | 0.00 | 0.00 | 1.02 | -88.98 | 0.27 | BA | 490 |
| BA | 491 | 22 51.170 | 44 58.080 | 810.7M | 978584.17 | 978811.09 | 23.31 | -67.41 | 0.00 | 0.00 | 0.95 | -68.36 | 0.21 | BA | 491 |
| BA | 492 | 22 49.000 | 45 2.250 | 786.2M | 978622.35 | 978808.75 | 56.26 | -31.71 | 0.00 | 0.00 | 0.93 | -32.65 | 0.24 | BA | 492 |
| BA | 493 | 22 47.330 | 45 7.420 | 754.1M | 978616.16 | 978806.96 | 41.96 | -42.42 | 0.00 | 0.00 | 0.90 | -43.33 | 0.24 | BA | 493 |
| BA | 494 | 22 45.330 | 45 9.080 | 755.6M | 978607.93 | 978804.81 | 36.34 | -48.21 | 0.00 | 0.00 | 0.90 | -49.12 | 0.39 | BA | 494 |
| BA | 495 | 22 44.250 | 45 13.420 | 744.1M | 978604.05 | 978803.65 | 30.07 | -53.19 | 0.00 | 0.00 | 0.89 | -54.09 | 0.36 | BA | 495 |
| BA | 496 | 22 46.500 | 45 14.920 | 736.5M | 978611.74 | 978806.07 | 33.00 | -49.41 | 0.00 | 0.00 | 0.89 | -50.30 | 0.15 | BA | 496 |
| BA | 497 | 22 48.170 | 45 13.920 | 741.9M | 978612.40 | 978807.86 | 33.53 | -49.49 | 0.00 | 0.00 | 0.89 | -50.38 | 0.33 | BA | 497 |
| BA | 498 | 22 50.170 | 45 12.830 | 715.0M | 978615.99 | 978810.01 | 26.67 | -53.34 | 0.00 | 0.00 | 0.87 | 54.20 | 0.42 | BA | 498 |
| BA | 499 | 22 51.420 | 45 10.250 | 724.2M | 978611.32 | 978811.36 | 23.49 | -57.54 | 0.00 | 0.00 | 0.87 | -58.42 | 0.30 | BA | 499 |
| BA | 500 | 22 54.170 | 45 4.830 | 733.9M | 978627.39 | 978814.32 | 39.59 | -42.53 | 0.00 | 0.00 | 0.88 | 43.41 | 0.30 | BA | 500 |
| BA | 501 | 22 56.420 | 45 0.500 | 754.8M | 978628.14 | 978816.75 | 44.37 | -40.09 | 0.00 | 0.00 | 0.90 | -41.00 | 0.30 | BA | 501 |
| BA | 502 | 22 58.920 | 44 53.920 | 745.5M | 978605.85 | 978819.45 | 16.50 | -66.92 | 0.00 | 0.00 | 0.90 | -67.81 | 0.42 | BA | 502 |
| BA | 503 | 23 1.080 | 44 49.330 | 771.4M | 978590.99 | 978821.78 | 7.30 | -79.02 | 0.00 | 0.00 | 0.92 | -79.94 | 0.45 | BA | 503 |
| BA | 504 | 23 4.170 | 44 44.170 | 749.7M | 978597.69 | 978825.13 | 3.96 | -79.93 | 0.00 | 0.00 | 0.90 | -80.83 | 0.14 | BA | 504 |
| BA | 505 | 23 6.250 | 44 38.330 | 786.3M | 978597.54 | 978827.39 | 12.84 | -75.14 | 0.00 | 0.00 | 0.93 | -76.07 | 0.14 | BA | 505 |
| BA | 506 | 23 8.330 | 44 34.330 | 789.6M | 978602.38 | 978829.65 | 16.44 | -71.91 | 0.00 | 0.00 | 0.94 | -72.85 | 0.14 | BA | 506 |
| BA | 507 | 23 6.580 | 44 26.250 | 767.0M | 978603.01 | 978827.75 | 12.00 | -73.83 | 0.00 | 0.00 | 0.92 | -74.74 | 0.55 | BA | 507 |
| BA | 508 | 23 8.670 | 44 19.920 | 778.8M | 978606.09 | 978830.02 | 16.45 | -70.70 | 0.00 | 0.00 | 0.93 | -71.62 | 0.14 | BA | 508 |
| BA | 509 | 23 11.250 | 44 14.920 | 789.4M | 978605.91 | 978832.82 | 16.73 | -71.60 | 0.00 | 0.00 | 0.94 | -72.53 | 0.39 | BA | 509 |
| BA | 510 | 23 12.080 | 44 12.250 | 803.3M | 978609.51 | 978833.73 | 23.72 | -66.17 | 0.00 | 0.00 | 0.95 | -67.12 | 0.14 | BA | 510 |
| BA | 511 | 23 14.420 | 44 9.670 | 811.2M | 978608.86 | 978836.28 | 22.96 | -67.81 | 0.00 | 0.00 | 0.96 | -68.77 | 0.24 | BA | 511 |
| BA | 512 | 23 16.250 | 44 4.670 | 812.7M | 978607.99 | 978838.27 | 20.55 | -70.39 | 0.00 | 0.00 | 0.96 | -71.34 | 0.39 | BA | 512 |
| BA | 513 | 23 20.500 | 43 59.500 | 820.1M | 978610.72 | 978842.92 | 20.92 | -70.85 | 0.00 | 0.00 | 0.96 | -71.81 | 0.14 | BA | 513 |
| BA | 514 | 23 20.920 | 43 54.500 | 850.0M | 978606.80 | 978843.38 | 25.77 | -69.34 | 0.00 | 0.00 | 0.99 | -70.33 | 0.24 | BA | 514 |
| BA | 515 | 23 22.920 | 43 51.500 | 840.5M | 978611.05 | 978845.57 | 24.90 | -69.15 | 0.00 | 0.00 | 0.98 | -70.13 | 0.14 | BA | 515 |
| BA | 516 | 23 23.420 | 43 48.750 | 849.1M | 978609.12 | 978846.12 | 25.07 | -69.94 | 0.00 | 0.00 | 0.99 | -70.93 | 0.14 | BA | 516 |
| BA | 517 | 23 28.580 | 43 51.580 | 854.9M | 978613.64 | 978851.78 | 25.72 | -69.94 | 0.00 | 0.00 | 0.99 | -70.94 | 0.55 | BA | 517 |
| BA | 518 | 23 26.830 | 43 54.170 | 856.9M | 978611.95 | 978849.86 | 26.57 | -69.32 | 0.00 | 0.00 | 1.00 | -70.31 | 0.24 | BA | 518 |
| BA | 519 | 23 26.280 | 43 56.580 | 836.5M | 978615.90 | 978849.25 | 24.83 | -68.77 | 0.00 | 0.00 | 0.98 | -69.75 | 0.14 | BA | 519 |
| BA | 520 | 23 24.250 | 44 2.000 | 831.9M | 978612.59 | 978847.03 | 22.33 | -70.76 | 0.00 | 0.00 | 0.97 | -71.74 | 0.39 | BA | 520 |
| BA | 521 | 23 21.420 | 44 6.500 | 817.4M | 978613.34 | 978843.93 | 21.70 | -69.76 | 0.00 | 0.00 | 0.96 | -70.72 | 0.14 | BA | 521 |
| BA | 522 | 23 18.830 | 44 12.250 | 805.6M | 978617.49 | 978841.09 | 25.04 | -65.10 | 0.00 | 0.00 | 0.95 | -66.05 | 0.24 | BA | 522 |
| BA | 523 | 23 16.330 | 44 17.330 | 801.7M | 978621.05 | 978838.36 | 30.13 | -59.58 | 0.00 | 0.00 | 0.95 | -60.52 | 0.39 | BA | 523 |
| BA | 524 | 23 14.670 | 44 20.080 | 802.6M | 978617.37 | 978836.55 | 28.54 | -61.27 | 0.00 | 0.00 | 0.95 | -62.22 | 0.39 | BA | 524 |
| BA | 525 | 23 13.750 | 44 22.750 | 832.1M | 978609.56 | 978835.55 | 30.84 | -62.27 | 0.00 | 0.00 | 0.97 | -63.25 | 0.39 | BA | 525 |
| BA | 526 | 23 11.500 | 44 28.330 | 805.0M | 978609.39 | 978833.10 | 24.76 | -65.32 | 0.00 | 0.00 | 0.95 | -66.27 | 0.24 | BA | 526 |
| BA | 527 | 22 54.420 | 44 25.080 | 848.6M | 978560.47 | 978814.59 | 7.00 | -87.16 | 0.00 | 0.00 | 0.99 | -88.14 | 0.21 | BA | 527 |
| BA | 528 | 22 56.080 | 44 20.500 | 858.1M | 978551.60 | 978816.38 | 0.07 | -95.95 | 0.00 | 0.00 | 1.00 | -96.95 | 0.55 | BA | 528 |
| BA | 529 | 22 57.920 | 44 18.080 | 841.1M | 978566.14 | 978818.37 | 7.38 | -86.74 | 0.00 | 0.00 | 0.98 | -87.72 | 0.55 | BA | 529 |
| BA | 530 | 22 59.580 | 44 15.000 | 856.4M | 978569.81 | 978820.16 | 13.97 | -81.86 | 0.00 | 0.00 | 0.99 | -82.85 | 0.39 | BA | 530 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 531 | 23 | 2.670 | 44 | 8.330 | 1051.0M | 978548.85 | 978823.51 | 49.96 | -67.73 | 0.00 | 0.00 | 1.15 | -68.88 | 0.71 | BA | 531 |
| BA | 532 | 23 | 2.920 | 44 | 7.420 | 924.0M | 978573.82 | 978823.78 | 35.23 | -68.17 | 0.00 | 0.00 | 1.05 | -69.22 | 0.39 | BA | 532 |
| BA | 533 | 23 | 2.580 | 44 | 9.000 | 977.9M | 978564.92 | 978823.41 | 43.33 | -66.10 | 0.00 | 0.00 | 1.09 | -67.19 | 0.39 | BA | 533 |
| BA | 534 | 23 | 4.250 | 44 | 4.330 | 877.9M | 978586.16 | 978825.22 | 31.90 | -66.33 | 0.00 | 0.00 | 1.01 | -67.35 | 0.24 | BA | 534 |
| BA | 535 | 23 | 5.920 | 44 | 1.170 | 890.6M | 978582.58 | 978827.03 | 30.43 | -69.23 | 0.00 | 0.00 | 1.02 | -70.25 | 0.21 | BA | 535 |
| BA | 536 | 23 | 7.420 | 43 | 57.500 | 1016.9M | 978548.83 | 978828.66 | 34.02 | -79.77 | 0.00 | 0.00 | 1.12 | 80.89 | 0.24 | BA | 536 |
| BA | 537 | 23 | 9.750 | 43 | 53.000 | 920.0M | 978552.16 | 978831.19 | 4.92 | 98.03 | 0.00 | 0.00 | 1.05 | -99.08 | 0.14 | BA | 537 |
| BA | 538 | 23 | 11.250 | 43 | 49.080 | 920.6M | 978564.88 | 978832.82 | 16.19 | -86.82 | 0.00 | 0.00 | 1.05 | -87.87 | 0.24 | BA | 538 |
| BA | 539 | 23 | 13.920 | 43 | 43.080 | 891.1M | 978587.85 | 978835.73 | 27.15 | -72.56 | 0.00 | 0.00 | 1.02 | -73.59 | 0.39 | BA | 539 |
| BA | 540 | 23 | 16.580 | 43 | 44.750 | 892.8M | 978595.02 | 978838.63 | 31.94 | -67.96 | 0.00 | 0.00 | 1.03 | 68.99 | 0.21 | BA | 540 |
| BA | 541 | 23 | 18.580 | 43 | 46.580 | 914.1M | 978601.38 | 978840.82 | 42.69 | 59.60 | 0.00 | 0.00 | 1.04 | -60.64 | 0.21 | BA | 541 |
| BA | 542 | 23 | 16.420 | 43 | 53.500 | 871.2M | 978591.94 | 978838.46 | 22.37 | -75.11 | 0.00 | 0.00 | 1.01 | -76.12 | 0.21 | BA | 542 |
| BA | 543 | 23 | 13.670 | 43 | 56.920 | 887.2M | 978583.96 | 978835.46 | 22.33 | -76.95 | 0.00 | 0.00 | 1.02 | -77.97 | 0.24 | BA | 543 |
| BA | 544 | 23 | 11.670 | 44 | 2.750 | 903.9M | 978583.83 | 978833.28 | 29.53 | -71.61 | 0.00 | 0.00 | 1.03 | -72.65 | 0.39 | BA | 544 |
| BA | 545 | 23 | 9.170 | 44 | 6.920 | 837.9M | 978597.23 | 978830.56 | 25.20 | -68.47 | 0.00 | 0.00 | 0.98 | -69.45 | 0.24 | BA | 545 |
| BA | 546 | 23 | 6.670 | 44 | 12.330 | 840.5M | 978592.59 | 978827.84 | 24.16 | -69.89 | 0.00 | 0.00 | 0.98 | 70.87 | 0.39 | BA | 546 |
| BA | 547 | 23 | 4.170 | 44 | 17.330 | 807.1M | 978592.44 | 978825.13 | 16.42 | -73.89 | 0.00 | 0.00 | 0.95 | -74.84 | 0.14 | BA | 547 |
| BA | 548 | 23 | 1.920 | 44 | 22.080 | 792.7M | 978586.26 | 978822.69 | 8.23 | -80.47 | 0.00 | 0.00 | 0.94 | -81.41 | 0.30 | BA | 548 |
| BA | 549 | 22 | 59.170 | 44 | 27.330 | 849.5M | 978571.19 | 978819.72 | 13.67 | -81.39 | 0.00 | 0.00 | 0.99 | -82.38 | 0.24 | BA | 549 |
| BA | 550 | 22 | 56.500 | 44 | 32.830 | 806.0M | 978577.38 | 978816.83 | 9.32 | 80.87 | 0.00 | 0.00 | 0.95 | -81.82 | 0.24 | BA | 550 |
| BA | 551 | 22 | 54.580 | 44 | 37.750 | 831.6M | 978558.44 | 978814.76 | 0.35 | 92.70 | 0.00 | 0.00 | 0.97 | -93.68 | 0.13 | BA | 551 |
| BA | 552 | 22 | 53.080 | 44 | 41.080 | 865.3M | 978549.74 | 978813.14 | 3.67 | -93.16 | 0.00 | 0.00 | 1.00 | -94.16 | 0.13 | BA | 552 |
| BA | 553 | 22 | 51.670 | 44 | 43.830 | 858.3M | 978546.95 | 978811.63 | 0.24 | -95.81 | 0.00 | 0.00 | 1.00 | -96.80 | 0.24 | BA | 553 |
| BA | 554 | 22 | 49.420 | 44 | 48.500 | 888.2M | 978537.29 | 978809.20 | 2.23 | -97.16 | 0.00 | 0.00 | 1.02 | -98.18 | 0.13 | BA | 554 |
| BA | 555 | 22 | 46.750 | 44 | 53.420 | 950.5M | 978533.12 | 978806.34 | 20.15 | -86.21 | 0.00 | 0.00 | 1.07 | -87.28 | 0.24 | BA | 555 |
| BA | 556 | 22 | 44.670 | 44 | 58.830 | 860.4M | 978598.64 | 978804.10 | 60.10 | -36.18 | 0.00 | 0.00 | 1.00 | -37.18 | 0.24 | BA | 556 |
| BA | 557 | 22 | 44.420 | 44 | 58.500 | 909.8M | 978590.05 | 978803.84 | 67.02 | -34.79 | 0.00 | 0.00 | 1.04 | -35.82 | 0.13 | BA | 557 |
| BA | 558 | 22 | 44.170 | 44 | 58.420 | 871.4M | 978598.07 | 978803.57 | 63.46 | -34.05 | 0.00 | 0.00 | 1.01 | -35.06 | 0.24 | BA | 558 |
| BA | 559 | 22 | 44.670 | 44 | 58.670 | 863.2M | 978597.82 | 978804.10 | 60.14 | -36.45 | 0.00 | 0.00 | 1.00 | -37.45 | 0.13 | BA | 559 |
| BA | 563 | 22 | 44.250 | 44 | 19.750 | 932.7M | 978539.72 | 978803.65 | 23.94 | -80.43 | 0.00 | 0.00 | 1.06 | -81.49 | 0.45 | BA | 563 |
| BA | 564 | 22 | 47.330 | 44 | 15.000 | 943.0M | 978535.97 | 978806.96 | 20.06 | 85.46 | 0.00 | 0.00 | 1.07 | -86.52 | 0.74 | BA | 564 |
| BA | 565 | 22 | 49.330 | 44 | 10.420 | 943.1M | 978550.50 | 978809.11 | 32.47 | -73.06 | 0.00 | 0.00 | 1.07 | -74.12 | 0.71 | BA | 565 |
| BA | 566 | 22 | 52.170 | 44 | 4.250 | 947.3M | 978552.36 | 978812.16 | 32.57 | -73.43 | 0.00 | 0.00 | 1.07 | -74.50 | 0.55 | BA | 566 |
| BA | 567 | 22 | 54.670 | 43 | 59.000 | 974.4M | 978547.28 | 978814.86 | 33.16 | -75.87 | 0.00 | 0.00 | 1.09 | -76.96 | 0.67 | BA | 567 |
| BA | 568 | 22 | 55.750 | 43 | 56.500 | 1007.6M | 978540.11 | 978816.02 | 35.07 | 77.68 | 0.00 | 0.00 | 1.12 | 78.80 | 0.67 | BA | 568 |
| BA | 569 | 22 | 57.170 | 43 | 53.750 | 1011.1M | 978542.29 | 978817.56 | 36.80 | -76.34 | 0.00 | 0.00 | 1.12 | -77.46 | 0.80 | BA | 569 |
| BA | 570 | 22 | 58.250 | 43 | 52.250 | 1051.2M | 978534.44 | 978818.72 | 40.15 | -77.48 | 0.00 | 0.00 | 1.15 | -78.62 | 0.58 | BA | 570 |
| BA | 571 | 22 | 57.750 | 43 | 51.830 | 988.8M | 978548.74 | 978818.18 | 35.74 | 74.91 | 0.00 | 0.00 | 1.10 | -76.01 | 0.42 | BA | 571 |
| BA | 572 | 22 | 58.670 | 43 | 52.750 | 1005.1M | 978545.63 | 978819.18 | 36.66 | 75.81 | 0.00 | 0.00 | 1.11 | -76.92 | 0.42 | BA | 572 |
| BA | 573 | 22 | 59.920 | 43 | 48.580 | 1000.4M | 978550.86 | 978820.53 | 39.09 | 72.85 | 0.00 | 0.00 | 1.11 | 73.96 | 0.51 | BA | 573 |
| BA | 574 | 23 | 1.500 | 43 | 43.920 | 969.1M | 978552.76 | 978822.24 | 29.62 | -78.82 | 0.00 | 0.00 | 1.09 | -79.90 | 0.51 | BA | 574 |
| BA | 575 | 23 | 4.420 | 43 | 38.500 | 926.5M | 978567.56 | 978825.40 | 28.11 | -75.56 | 0.00 | 0.00 | 1.05 | -76.61 | 0.51 | BA | 575 |
| BA | 576 | 23 | 6.330 | 43 | 40.170 | 934.0M | 978569.04 | 978827.48 | 29.84 | -74.68 | 0.00 | 0.00 | 1.06 | 75.74 | 0.17 | BA | 576 |
| BA | 577 | 23 | 8.830 | 43 | 41.330 | 914.2M | 978576.88 | 978830.19 | 28.85 | -73.45 | 0.00 | 0.00 | 1.04 | 74.49 | 0.30 | BA | 577 |
| BA | 578 | 23 | 6.750 | 43 | 45.920 | 939.7M | 978567.81 | 978827.93 | 29.91 | -75.24 | 0.00 | 0.00 | 1.06 | -76.31 | 0.45 | BA | 578 |
| BA | 579 | 23 | 3.920 | 43 | 51.750 | 936.0M | 978562.66 | 978824.86 | 26.69 | -78.05 | 0.00 | 0.00 | 1.06 | 79.11 | 0.21 | BA | 579 |
| BA | 580 | 23 | 1.920 | 43 | 56.170 | 962.3M | 978558.50 | 978822.69 | 32.89 | -74.79 | 0.00 | 0.00 | 1.08 | -75.87 | 0.39 | BA | 580 |
| BA | 581 | 22 | 58.830 | 44 | 2.830 | 932.7M | 978564.98 | 978819.35 | 33.50 | 70.87 | 0.00 | 0.00 | 1.06 | 71.93 | 0.14 | BA | 581 |
| BA | 582 | 22 | 56.670 | 44 | 7.750 | 943.0M | 978559.68 | 978817.02 | 33.71 | 71.81 | 0.00 | 0.00 | 1.07 | -72.87 | 0.19 | BA | 582 |
| BA | 583 | 22 | 54.500 | 44 | 12.500 | 909.4M | 978547.59 | 978814.67 | 13.60 | 88.16 | 0.00 | 0.00 | 1.04 | 89.20 | 0.19 | BA | 583 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | | LAT | LONG | ELEV | OB | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 584 | 22 52.080 | 44 17.580 | 943.4M | 978523.01 | 978012.07 | 2.12 | -103.45 | 0.00 | 0.00 | 1.07 | -104.52 | 0.17 | BA | 584 |
| BA | 585 | 22 50.830 | 44 20.250 | 945.7M | 978527.48 | 978010.72 | 8.64 | -97.18 | 0.00 | 0.00 | 1.07 | -98.25 | 0.17 | BA | 585 |
| BA | 586 | 22 49.330 | 44 22.670 | 941.9M | 978519.87 | 978009.11 | 1.47 | -103.92 | 0.00 | 0.00 | 1.07 | -104.99 | 0.33 | BA | 586 |
| BA | 602 | 22 48.830 | 44 24.250 | 925.8M | 978519.68 | 978008.57 | -3.15 | -106.74 | 0.00 | 0.00 | 1.05 | -107.80 | 4.20 | BA | 602 |
| BA | 603 | 22 47.170 | 44 27.670 | 965.1M | 978518.35 | 978006.79 | 9.43 | -98.56 | 0.00 | 0.00 | 1.08 | -99.64 | 0.21 | BA | 603 |
| BA | 604 | 22 44.500 | 44 33.580 | 968.4M | 978522.36 | 978003.92 | 17.33 | -91.04 | 0.00 | 0.00 | 1.09 | -92.12 | 0.24 | BA | 604 |
| BA | 605 | 22 42.250 | 44 38.170 | 967.5M | 978507.67 | 978001.51 | 4.77 | -103.49 | 0.00 | 0.00 | 1.09 | -104.58 | 0.24 | BA | 605 |
| BA | 606 | 22 39.670 | 44 43.420 | 967.8M | 978498.56 | 978798.75 | 1.49 | -109.78 | 0.00 | 0.00 | 1.09 | -110.87 | 0.21 | BA | 606 |
| BA | 607 | 22 38.420 | 44 47.920 | 1026.2M | 978492.28 | 978797.41 | 11.59 | -103.24 | 0.00 | 0.00 | 1.13 | -104.37 | 0.55 | BA | 607 |
| BA | 608 | 22 35.670 | 44 50.920 | 942.3M | 978508.91 | 978794.48 | 5.27 | -100.17 | 0.00 | 0.00 | 1.07 | -101.24 | 0.13 | BA | 608 |
| BA | 609 | 22 33.330 | 44 53.250 | 905.9M | 978523.84 | 978791.98 | 11.46 | -89.91 | 0.00 | 0.00 | 1.04 | -90.94 | 0.24 | BA | 609 |
| BA | 610 | 22 31.830 | 44 56.750 | 853.2M | 978527.67 | 978790.38 | 50.63 | -44.85 | 0.00 | 0.00 | 0.99 | -45.84 | 0.39 | BA | 610 |
| BA | 611 | 22 30.330 | 45 3.250 | 813.3M | 978506.92 | 978788.79 | 49.16 | -41.85 | 0.00 | 0.00 | 0.96 | 42.80 | 0.24 | BA | 611 |
| BA | 612 | 22 25.330 | 44 59.250 | 782.3M | 978569.00 | 978783.48 | 26.98 | -60.56 | 0.00 | 0.00 | 0.93 | -61.48 | 0.13 | BA | 612 |
| BA | 613 | 22 27.250 | 44 56.250 | 802.6M | 978562.94 | 978785.52 | 25.21 | -64.62 | 0.00 | 0.00 | 0.95 | 65.57 | 0.24 | BA | 613 |
| BA | 614 | 22 29.500 | 44 51.420 | 849.9M | 978524.49 | 978787.91 | -1.09 | -96.20 | 0.00 | 0.00 | 0.99 | -97.19 | 0.23 | BA | 614 |
| BA | 615 | 22 31.920 | 44 46.420 | 907.4M | 978502.93 | 978790.48 | -7.48 | -109.02 | 0.00 | 0.00 | 1.04 | -110.06 | 0.24 | BA | 615 |
| BA | 616 | 22 34.250 | 44 41.170 | 895.5M | 978521.78 | 978792.96 | 5.21 | -94.99 | 0.00 | 0.00 | 1.03 | -96.02 | 0.13 | BA | 616 |
| BA | 617 | 22 36.330 | 44 38.170 | 902.8M | 978529.73 | 978795.18 | 13.20 | -87.83 | 0.00 | 0.00 | 1.03 | -88.86 | 0.39 | BA | 617 |
| BA | 618 | 22 34.330 | 44 37.170 | 1085.2M | 978488.05 | 978793.05 | 29.93 | -91.50 | 0.00 | 0.00 | 1.17 | -92.67 | 0.24 | BA | 618 |
| BA | 619 | 22 34.670 | 44 37.080 | 905.6M | 978526.19 | 978793.41 | 12.29 | -89.05 | 0.00 | 0.00 | 1.04 | -90.08 | 1.59 | BA | 619 |
| BA | 620 | 22 33.920 | 44 37.250 | 914.6M | 978526.20 | 978792.61 | 15.88 | -86.47 | 0.00 | 0.00 | 1.04 | 87.51 | 1.07 | BA | 620 |
| BA | 621 | 22 37.250 | 44 35.580 | 933.5M | 978522.99 | 978796.16 | 14.95 | -89.51 | 0.00 | 0.00 | 1.06 | -90.57 | 0.24 | BA | 621 |
| BA | 622 | 22 40.080 | 44 30.500 | 927.8M | 978534.38 | 978799.19 | 21.55 | -82.27 | 0.00 | 0.00 | 1.05 | -83.32 | 0.39 | BA | 622 |
| BA | 623 | 22 42.080 | 44 25.420 | 934.8M | 978533.05 | 978801.33 | 20.24 | -84.36 | 0.00 | 0.00 | 1.06 | -85.42 | 0.55 | BA | 623 |
| BA | 624 | 22 39.670 | 44 17.420 | 897.3M | 978546.97 | 978798.75 | 25.17 | -75.24 | 0.00 | 0.00 | 1.03 | -76.27 | 0.58 | BA | 624 |
| BA | 625 | 22 42.670 | 44 11.750 | 915.9M | 978550.43 | 978801.96 | 31.16 | -71.33 | 0.00 | 0.00 | 1.04 | -72.37 | 0.42 | BA | 625 |
| BA | 626 | 22 44.250 | 44 6.330 | 962.0M | 978542.78 | 978803.65 | 36.04 | -71.61 | 0.00 | 0.00 | 1.08 | 72.69 | 0.45 | BA | 626 |
| BA | 627 | 22 47.330 | 44 1.670 | 1004.2M | 978542.77 | 978806.96 | 45.75 | -66.62 | 0.00 | 0.00 | 1.11 | -67.74 | 0.64 | BA | 627 |
| BA | 628 | 22 49.920 | 43 56.420 | 991.2M | 978549.85 | 978809.74 | 46.03 | -64.88 | 0.00 | 0.00 | 1.10 | 65.99 | 0.30 | BA | 628 |
| BA | 629 | 22 52.170 | 43 51.080 | 1027.8M | 978538.01 | 978812.16 | 43.06 | -71.95 | 0.00 | 0.00 | 1.13 | 73.08 | 0.33 | BA | 629 |
| BA | 630 | 22 54.500 | 43 46.170 | 1002.8M | 978548.42 | 978814.67 | 43.25 | -68.96 | 0.00 | 0.00 | 1.11 | -70.08 | 0.71 | BA | 630 |
| BA | 631 | 22 55.330 | 43 44.000 | 1016.7M | 978547.04 | 978815.57 | 45.26 | -68.51 | 0.00 | 0.00 | 1.12 | -69.63 | 0.39 | BA | 631 |
| BA | 632 | 22 57.170 | 43 40.750 | 1023.5M | 978543.42 | 978817.56 | 41.75 | -72.78 | 0.00 | 0.00 | 1.13 | -73.90 | 0.55 | BA | 632 |
| BA | 633 | 22 59.670 | 43 35.750 | 967.5M | 978560.99 | 978820.26 | 39.34 | -68.92 | 0.00 | 0.00 | 1.09 | -70.01 | 0.94 | BA | 633 |
| BA | 634 | 22 57.170 | 43 34.170 | 1004.2M | 978557.18 | 978817.56 | 49.56 | -62.81 | 0.00 | 0.00 | 1.11 | -63.93 | 0.27 | BA | 634 |
| BA | 635 | 22 54.750 | 43 32.420 | 1016.6M | 978549.34 | 978814.94 | 48.16 | -65.60 | 0.00 | 0.00 | 1.12 | -66.72 | 0.15 | BA | 635 |
| BA | 636 | 22 52.170 | 43 38.000 | 1011.6M | 978544.69 | 978812.16 | 44.74 | -68.45 | 0.00 | 0.00 | 1.12 | -69.57 | 0.19 | BA | 636 |
| BA | 637 | 22 50.080 | 43 42.750 | 1056.5M | 978537.12 | 978809.91 | 53.28 | -64.94 | 0.00 | 0.00 | 1.15 | -66.10 | 0.30 | BA | 637 |
| BA | 638 | 22 47.080 | 43 49.080 | 1030.8M | 978547.86 | 978806.69 | 59.31 | -56.03 | 0.00 | 0.00 | 1.13 | -57.17 | 0.17 | BA | 638 |
| BA | 639 | 22 45.080 | 43 53.580 | 995.6M | 978554.16 | 978804.54 | 56.90 | -54.51 | 0.00 | 0.00 | 1.11 | -55.62 | 0.33 | BA | 639 |
| BA | 640 | 22 42.250 | 43 58.920 | 978.3M | 978555.99 | 978801.51 | 56.42 | -53.05 | 0.00 | 0.00 | 1.09 | -54.14 | 0.24 | BA | 640 |
| BA | 641 | 22 39.420 | 44 5.000 | 939.2M | 978555.20 | 978798.48 | 46.60 | -58.50 | 0.00 | 0.00 | 1.06 | -59.56 | 0.19 | BA | 641 |
| BA | 642 | 22 37.580 | 44 8.250 | 933.0M | 978548.19 | 978796.52 | 39.64 | 64.76 | 0.00 | 0.00 | 1.06 | -65.82 | 0.61 | BA | 642 |
| BA | 643 | 22 36.330 | 44 12.000 | 934.2M | 978542.74 | 978795.18 | 35.89 | 68.64 | 0.00 | 0.00 | 1.06 | -69.70 | 0.67 | BA | 643 |
| BA | 644 | 22 34.920 | 44 15.170 | 931.7M | 978538.00 | 978793.68 | 31.89 | 72.37 | 0.00 | 0.00 | 1.06 | -73.43 | 0.24 | BA | 644 |
| BA | 645 | 22 33.330 | 44 20.830 | 915.4M | 978536.52 | 978791.98 | 27.07 | -75.36 | 0.00 | 0.00 | 1.04 | 76.40 | 0.77 | BA | 645 |
| BA | 646 | 22 31.170 | 44 25.830 | 937.2M | 978531.74 | 978789.68 | 31.32 | -73.55 | 0.00 | 0.00 | 1.06 | -74.61 | 0.67 | BA | 646 |
| BA | 647 | 22 28.170 | 44 30.670 | 905.5M | 978533.23 | 978786.49 | 26.22 | -75.11 | 0.00 | 0.00 | 1.04 | 76.14 | 0.39 | BA | 647 |
| BA | 648 | 22 28.420 | 44 30.670 | 860.9M | 978541.63 | 978786.76 | 20.59 | -75.74 | 0.00 | 0.00 | 1.00 | -76.74 | 0.77 | BA | 648 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| | ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 649 | 22 27.830 | 44 30.670 | 864.2M | 978541.83 | 978786.13 | 22.43 | 74.27 | 0.00 | 0.00 | 1.00 | 75.27 | 0.42 | BA | 649 |
| BA | 650 | 22 25.500 | 44 35.580 | 851.9M | 978537.37 | 978783.66 | 16.65 | -78.68 | 0.00 | 0.00 | 0.99 | -79.67 | 0.67 | BA | 650 |
| BA | 651 | 22 22.330 | 44 40.830 | 837.6M | 978534.87 | 978780.30 | 13.10 | -80.63 | 0.00 | 0.00 | 0.98 | -81.61 | 0.24 | BA | 651 |
| BA | 652 | 22 20.000 | 44 45.500 | 851.0M | 978527.44 | 978777.84 | 12.27 | 82.96 | 0.00 | 0.00 | 0.99 | -83.95 | 0.77 | BA | 652 |
| BA | 653 | 22 17.420 | 44 50.580 | 898.5M | 978508.01 | 978775.11 | 10.22 | -90.32 | 0.00 | 0.00 | 1.03 | 91.35 | 0.64 | BA | 653 |
| BA | 654 | 22 14.830 | 44 55.920 | 874.6M | 978515.68 | 978772.38 | 13.25 | -84.62 | 0.00 | 0.00 | 1.01 | -85.63 | 0.87 | BA | 654 |
| BA | 655 | 22 17.500 | 44 57.420 | 840.4M | 978543.94 | 978775.19 | 28.14 | -65.90 | 0.00 | 0.00 | 0.98 | 66.88 | 0.24 | BA | 655 |
| BA | 656 | 22 20.250 | 44 59.170 | 802.9M | 978563.72 | 978778.10 | 33.44 | -56.40 | 0.00 | 0.00 | 0.95 | -57.35 | 0.93 | BA | 656 |
| BA | 657 | 22 22.420 | 44 53.330 | 813.6M | 978529.56 | 978780.40 | 0.29 | 90.75 | 0.00 | 0.00 | 0.96 | -91.71 | 0.64 | BA | 657 |
| BA | 658 | 22 24.670 | 44 48.420 | 805.0M | 978521.89 | 978782.78 | -12.42 | -102.50 | 0.00 | 0.00 | 0.95 | -103.45 | 0.15 | BA | 658 |
| BA | 659 | 22 27.000 | 44 44.000 | 829.7M | 978522.69 | 978785.25 | -6.47 | -99.31 | 0.00 | 0.00 | 0.97 | -100.28 | 0.36 | BA | 659 |
| BA | 666 | 22 37.250 | 44 21.920 | 883.4M | 978549.50 | 978796.16 | 26.00 | 72.85 | 0.00 | 0.00 | 1.02 | -73.87 | 0.21 | BA | 666 |
| BA | 667 | 22 34.750 | 44 27.670 | 875.3M | 978546.63 | 978793.50 | 23.29 | -74.65 | 0.00 | 0.00 | 1.01 | -75.66 | 0.27 | BA | 667 |
| BA | 668 | 22 32.830 | 44 33.250 | 875.5M | 978540.40 | 978791.45 | 19.25 | -78.71 | 0.00 | 0.00 | 1.01 | -79.73 | 0.19 | BA | 668 |
| BA | 669 | 22 30.170 | 44 37.500 | 858.0M | 978540.43 | 978788.62 | 16.63 | -79.38 | 0.00 | 0.00 | 1.00 | -80.37 | 0.61 | BA | 669 |
| BA | 670 | 22 33.250 | 44 31.500 | 875.2M | 978533.74 | 978791.90 | 11.97 | -85.96 | 0.00 | 0.00 | 1.01 | -86.97 | 0.19 | BA | 670 |
| BA | 671 | 22 33.670 | 44 31.580 | 879.5M | 978542.07 | 978792.34 | 21.18 | -77.23 | 0.00 | 0.00 | 1.01 | -78.25 | 0.19 | BA | 671 |
| BA | 672 | 22 32.750 | 44 31.500 | 872.1M | 978543.51 | 978791.36 | 21.32 | -76.27 | 0.00 | 0.00 | 1.01 | -77.28 | 0.19 | BA | 672 |
| BA | 673 | 22 25.420 | 44 9.830 | 997.7M | 978521.63 | 978783.57 | 45.99 | 65.65 | 0.00 | 0.00 | 1.11 | -66.76 | 0.14 | BA | 673 |
| BA | 674 | 22 28.000 | 44 4.330 | 982.1M | 978543.20 | 978786.31 | 60.00 | 49.89 | 0.00 | 0.00 | 1.10 | 50.99 | 0.74 | BA | 674 |
| BA | 675 | 22 30.500 | 43 59.000 | 964.1M | 978550.82 | 978788.97 | 59.41 | 48.47 | 0.00 | 0.00 | 1.08 | 49.55 | 0.14 | BA | 675 |
| BA | 676 | 22 32.750 | 43 54.170 | 956.7M | 978547.84 | 978791.36 | 51.75 | -55.30 | 0.00 | 0.00 | 1.08 | 56.38 | 0.36 | BA | 676 |
| BA | 677 | 22 34.170 | 43 51.080 | 972.7M | 978553.27 | 978792.88 | 60.64 | 48.24 | 0.00 | 0.00 | 1.09 | -49.32 | 0.33 | BA | 677 |
| BA | 678 | 22 35.420 | 43 48.670 | 972.2M | 978545.16 | 978794.24 | 51.01 | -57.78 | 0.00 | 0.00 | 1.09 | -58.87 | 0.51 | BA | 678 |
| BA | 679 | 22 36.330 | 43 46.000 | 998.6M | 978539.26 | 978795.18 | 52.29 | 59.46 | 0.00 | 0.00 | 1.11 | -60.56 | 0.64 | BA | 679 |
| BA | 680 | 22 39.170 | 43 40.250 | 1034.6M | 978513.95 | 978798.21 | 35.05 | 80.72 | 0.00 | 0.00 | 1.14 | 81.86 | 0.67 | BA | 680 |
| BA | 681 | 22 41.920 | 43 35.000 | 1032.5M | 978520.23 | 978801.16 | 45.74 | -69.79 | 0.00 | 0.00 | 1.13 | -70.93 | 0.67 | BA | 681 |
| BA | 682 | 22 45.330 | 43 30.250 | 1021.6M | 978536.02 | 978804.81 | 46.51 | 67.80 | 0.00 | 0.00 | 1.13 | -68.93 | 0.55 | BA | 682 |
| BA | 683 | 22 50.420 | 43 28.250 | 1032.9M | 978547.30 | 978810.28 | 55.81 | 59.77 | 0.00 | 0.00 | 1.14 | -60.91 | 0.58 | BA | 683 |
| BA | 684 | 22 49.420 | 43 32.170 | 1042.1M | 978540.57 | 978809.20 | 52.99 | -63.62 | 0.00 | 0.00 | 1.14 | -64.76 | 0.42 | BA | 684 |
| BA | 685 | 22 46.670 | 43 35.170 | 1053.7M | 978533.44 | 978806.25 | 52.40 | 65.51 | 0.00 | 0.00 | 1.15 | -66.66 | 0.64 | BA | 685 |
| BA | 686 | 22 44.500 | 43 39.920 | 1054.4M | 978528.38 | 978803.92 | 49.88 | -68.10 | 0.00 | 0.00 | 1.15 | 69.25 | 0.64 | BA | 686 |
| BA | 687 | 22 41.920 | 43 45.750 | 1010.5M | 978548.54 | 978801.16 | 59.26 | -53.81 | 0.00 | 0.00 | 1.12 | -54.93 | 0.67 | BA | 687 |
| BA | 688 | 22 40.250 | 43 50.000 | 969.1M | 978555.27 | 978799.37 | 55.00 | -53.44 | 0.00 | 0.00 | 1.09 | 54.52 | 0.71 | BA | 688 |
| BA | 689 | 22 37.170 | 43 57.670 | 966.6M | 978550.17 | 978796.08 | 60.43 | -47.74 | 0.00 | 0.00 | 1.08 | -48.82 | 0.24 | BA | 689 |
| BA | 690 | 22 35.420 | 44 1.920 | 934.5M | 978562.15 | 978794.21 | 56.37 | -48.20 | 0.00 | 0.00 | 1.06 | -49.26 | 0.24 | BA | 690 |
| BA | 691 | 22 32.830 | 44 7.170 | 943.1M | 978546.74 | 978791.45 | 46.37 | -59.16 | 0.00 | 0.00 | 1.07 | -60.23 | 0.24 | BA | 691 |
| BA | 692 | 22 33.000 | 44 9.250 | 1044.2M | 978525.12 | 978791.72 | 55.68 | -61.16 | 0.00 | 0.00 | 1.14 | -62.31 | 0.80 | BA | 692 |
| BA | 693 | 22 32.920 | 44 8.920 | 991.1M | 978537.24 | 978791.55 | 51.59 | -59.31 | 0.00 | 0.00 | 1.10 | -60.42 | 0.40 | BA | 693 |
| BA | 694 | 22 33.330 | 44 9.670 | 967.9M | 978540.37 | 978791.98 | 47.12 | -61.18 | 0.00 | 0.00 | 1.09 | -62.27 | 0.64 | BA | 694 |
| BA | 695 | 22 30.670 | 44 12.000 | 967.4M | 978534.84 | 978789.15 | 44.27 | 63.98 | 0.00 | 0.00 | 1.09 | -65.07 | 0.55 | BA | 695 |
| BA | 700 | 22 33.000 | 44 12.920 | 973.7M | 978528.70 | 978791.63 | 37.59 | -71.36 | 0.00 | 0.00 | 1.09 | -72.45 | 0.55 | BA | 700 |
| BA | 701 | 22 27.830 | 44 17.170 | 950.6M | 978526.64 | 978786.13 | 33.90 | -72.47 | 0.00 | 0.00 | 1.07 | -73.54 | 0.13 | BA | 701 |
| BA | 702 | 22 25.420 | 44 21.920 | 899.6M | 978540.49 | 978783.57 | 34.58 | 66.09 | 0.00 | 0.00 | 1.03 | -67.12 | 0.24 | BA | 702 |
| BA | 703 | 22 24.000 | 44 25.920 | 878.1M | 978543.81 | 978782.07 | 38.94 | 61.56 | 0.00 | 0.00 | 1.03 | -62.59 | 0.13 | BA | 703 |
| BA | 704 | 22 22.500 | 44 29.250 | 900.0M | 978540.36 | 978780.48 | 40.13 | -61.47 | 0.00 | 0.00 | 1.04 | 62.51 | 0.21 | BA | 704 |
| BA | 705 | 22 20.750 | 44 32.580 | 893.4M | 978532.62 | 978778.63 | 29.74 | -70.23 | 0.00 | 0.00 | 1.03 | 71.26 | 0.55 | BA | 705 |
| BA | 706 | 22 17.580 | 44 38.250 | 916.5M | 978528.26 | 978775.28 | 35.06 | -66.70 | 0.00 | 0.00 | 1.04 | -67.74 | 0.21 | BA | 706 |
| BA | 707 | 22 15.000 | 44 43.170 | 907.1M | 978523.10 | 978772.56 | 30.52 | -70.99 | 0.00 | 0.00 | 1.04 | 72.02 | 0.24 | BA | 707 |
| BA | 708 | 22 12.250 | 44 48.500 | 936.3M | 978502.20 | 978769.66 | 21.52 | 83.25 | 0.00 | 0.00 | 1.06 | -84.31 | 0.74 | BA | 708 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 709 | 22 | 10.000 | 44 | 52.830 | 910.3M | 978512.48 | 978767.30 | 26.15 | 75.71 | 0.00 | 0.00 | 1.04 | -76.75 | 0.24 | BA | 709 |
| BA | 710 | 22 | 7.830 | 44 | 51.920 | 952.2M | 978491.26 | 978765.02 | 20.14 | 86.41 | 0.00 | 0.00 | 1.07 | -87.49 | 0.13 | BA | 710 |
| BA | 711 | 22 | 5.750 | 44 | 51.330 | 942.4M | 978486.29 | 978762.83 | 14.32 | 91.13 | 0.00 | 0.00 | 1.07 | -92.20 | 0.21 | BA | 711 |
| BA | 712 | 22 | 7.500 | 44 | 45.500 | 949.7M | 978482.67 | 978764.67 | 11.12 | 95.15 | 0.00 | 0.00 | 1.07 | -96.22 | 0.24 | BA | 712 |
| BA | 713 | 22 | 10.500 | 44 | 40.250 | 972.0M | 978499.86 | 978767.82 | 32.04 | 76.72 | 0.00 | 0.00 | 1.09 | -77.81 | 0.24 | BA | 713 |
| BA | 714 | 22 | 11.830 | 44 | 37.170 | 974.4M | 978519.77 | 978769.22 | 51.29 | -57.74 | 0.00 | 0.00 | 1.09 | 58.83 | 0.71 | BA | 714 |
| BA | 715 | 22 | 13.420 | 44 | 33.080 | 967.4M | 978518.80 | 978770.69 | 46.49 | -61.76 | 0.00 | 0.00 | 1.09 | -62.85 | 0.90 | BA | 715 |
| BA | 716 | 22 | 15.170 | 44 | 29.830 | 950.1M | 978514.05 | 978772.74 | 34.56 | -71.76 | 0.00 | 0.00 | 1.07 | -72.83 | 0.39 | BA | 716 |
| BA | 717 | 22 | 17.580 | 44 | 24.670 | 937.4M | 978531.90 | 978775.28 | 45.95 | 58.95 | 0.00 | 0.00 | 1.06 | -60.01 | 0.39 | BA | 717 |
| BA | 718 | 22 | 19.420 | 44 | 24.250 | 1021.3M | 978528.80 | 978777.22 | 66.79 | 47.49 | 0.00 | 0.00 | 1.13 | -48.62 | 0.74 | BA | 718 |
| BA | 719 | 22 | 19.670 | 44 | 24.170 | 955.5M | 978541.09 | 978777.49 | 58.50 | -48.40 | 0.00 | 0.00 | 1.08 | -49.48 | 1.07 | BA | 719 |
| BA | 720 | 22 | 19.000 | 44 | 24.420 | 968.3M | 978538.72 | 978776.70 | 60.80 | -47.55 | 0.00 | 0.00 | 1.09 | -48.64 | 0.74 | BA | 720 |
| BA | 721 | 22 | 20.170 | 44 | 19.750 | 938.6M | 978530.49 | 978778.04 | 42.17 | -62.86 | 0.00 | 0.00 | 1.06 | -63.92 | 0.39 | BA | 721 |
| BA | 722 | 22 | 22.250 | 44 | 14.420 | 960.5M | 978533.49 | 978780.21 | 49.73 | -57.75 | 0.00 | 0.00 | 1.08 | -58.83 | 0.21 | BA | 722 |
| BA | 723 | 22 | 21.170 | 44 | 5.580 | 1007.3M | 978490.88 | 978779.07 | 22.70 | -90.01 | 0.00 | 0.00 | 1.12 | 91.13 | 0.67 | BA | 723 |
| BA | 724 | 22 | 23.330 | 44 | 8.670 | 1021.2M | 978499.34 | 978781.36 | 33.16 | 81.11 | 0.00 | 0.00 | 1.13 | -82.23 | 0.19 | BA | 724 |
| BA | 725 | 22 | 25.670 | 43 | 55.920 | 1012.0M | 978504.47 | 978783.84 | 32.57 | 80.27 | 0.00 | 0.00 | 1.12 | 81.39 | 0.17 | BA | 725 |
| BA | 726 | 22 | 28.500 | 43 | 50.830 | 1003.3M | 978518.25 | 978786.84 | 41.06 | -71.20 | 0.00 | 0.00 | 1.11 | -72.32 | 0.17 | BA | 726 |
| BA | 727 | 22 | 31.830 | 43 | 46.170 | 1010.3M | 978519.02 | 978790.38 | 40.45 | 72.60 | 0.00 | 0.00 | 1.12 | -73.72 | 0.15 | BA | 727 |
| BA | 728 | 22 | 33.080 | 43 | 41.250 | 1022.5M | 978505.47 | 978791.72 | 29.74 | 85.08 | 0.00 | 0.00 | 1.13 | -86.21 | 0.15 | BA | 728 |
| BA | 729 | 22 | 35.420 | 43 | 36.080 | 992.9M | 978516.84 | 978794.21 | 29.08 | -82.03 | 0.00 | 0.00 | 1.11 | -83.13 | 0.15 | BA | 729 |
| BA | 730 | 22 | 38.500 | 43 | 29.420 | 1012.8M | 978501.52 | 978797.50 | 16.61 | -96.72 | 0.00 | 0.00 | 1.12 | -97.84 | 0.14 | BA | 730 |
| BA | 731 | 22 | 40.750 | 43 | 25.170 | 1015.0M | 978498.45 | 978799.90 | 12.06 | -101.61 | 0.00 | 0.00 | 1.12 | -102.73 | 0.14 | BA | 731 |
| BA | 732 | 22 | 37.000 | 43 | 20.500 | 983.5M | 978493.65 | 978795.90 | 1.30 | -108.75 | 0.00 | 0.00 | 1.10 | -109.85 | 0.24 | BA | 732 |
| BA | 733 | 22 | 33.750 | 43 | 27.420 | 973.6M | 978497.97 | 978792.43 | 6.03 | -102.91 | 0.00 | 0.00 | 1.09 | -104.00 | 0.24 | BA | 733 |
| BA | 734 | 22 | 31.000 | 43 | 32.000 | 970.6M | 978500.70 | 978789.50 | 10.77 | 97.84 | 0.00 | 0.00 | 1.09 | -98.93 | 0.14 | BA | 734 |
| BA | 735 | 22 | 28.000 | 43 | 37.580 | 1026.2M | 978485.31 | 978786.31 | 15.72 | -99.11 | 0.00 | 0.00 | 1.13 | 100.24 | 0.27 | BA | 735 |
| BA | 736 | 22 | 26.500 | 43 | 40.580 | 1052.5M | 978488.06 | 978784.72 | 28.18 | -89.59 | 0.00 | 0.00 | 1.15 | -90.74 | 0.19 | BA | 736 |
| BA | 737 | 22 | 25.580 | 43 | 43.830 | 1051.2M | 978475.67 | 978783.74 | 16.36 | 101.26 | 0.00 | 0.00 | 1.15 | -102.41 | 0.27 | BA | 737 |
| BA | 738 | 22 | 25.170 | 43 | 46.830 | 1069.3M | 978455.52 | 978783.31 | 2.23 | -117.42 | 0.00 | 0.00 | 1.16 | -118.58 | 0.30 | BA | 738 |
| BA | 739 | 22 | 25.080 | 43 | 46.580 | 1059.0M | 978475.53 | 978783.21 | 19.16 | 99.34 | 0.00 | 0.00 | 1.15 | 100.49 | 0.15 | BA | 739 |
| BA | 740 | 22 | 25.250 | 43 | 47.080 | 1049.9M | 978478.91 | 978783.39 | 19.55 | 97.93 | 0.00 | 0.00 | 1.15 | -99.08 | 0.30 | BA | 740 |
| BA | 741 | 22 | 23.500 | 43 | 47.920 | 1084.3M | 978467.30 | 978781.54 | 20.41 | -100.92 | 0.00 | 0.00 | 1.17 | 102.09 | 0.17 | BA | 741 |
| BA | 742 | 22 | 21.250 | 43 | 52.750 | 1072.5M | 978472.70 | 978779.16 | 24.55 | 95.46 | 0.00 | 0.00 | 1.16 | -96.62 | 0.19 | BA | 742 |
| BA | 743 | 22 | 18.580 | 43 | 59.000 | 1077.3M | 978476.62 | 978776.33 | 32.78 | -87.77 | 0.00 | 0.00 | 1.17 | -88.94 | 0.42 | BA | 743 |
| BA | 744 | 22 | 16.080 | 44 | 0.080 | 1100.4M | 978441.17 | 978773.70 | 31.78 | -100.31 | 0.00 | 0.00 | 1.24 | -101.54 | 0.13 | BA | 744 |
| BA | 745 | 22 | 16.000 | 44 | 3.830 | 1061.5M | 978474.03 | 978773.61 | 28.04 | 90.74 | 0.00 | 0.00 | 1.16 | 91.90 | 0.21 | BA | 745 |
| BA | 746 | 22 | 18.330 | 44 | 11.830 | 980.2M | 978490.62 | 978776.07 | 27.55 | -83.03 | 0.00 | 0.00 | 1.10 | -84.13 | 0.80 | BA | 746 |
| BA | 747 | 22 | 15.830 | 44 | 16.830 | 982.1M | 978508.88 | 978773.43 | 38.57 | 71.33 | 0.00 | 0.00 | 1.10 | 72.43 | 0.16 | BA | 747 |
| BA | 748 | 22 | 13.250 | 44 | 21.830 | 990.8M | 978494.30 | 978770.71 | 29.39 | 81.48 | 0.00 | 0.00 | 1.10 | -82.58 | 0.16 | BA | 748 |
| BA | 749 | 22 | 10.330 | 44 | 26.580 | 980.4M | 978486.02 | 978767.64 | 20.97 | -88.73 | 0.00 | 0.00 | 1.10 | -89.83 | 0.33 | BA | 749 |
| BA | 750 | 22 | 7.830 | 44 | 32.580 | 939.7M | 978520.53 | 978765.02 | 45.55 | 59.60 | 0.00 | 0.00 | 1.06 | -60.67 | 0.27 | BA | 750 |
| BA | 751 | 22 | 5.500 | 44 | 37.830 | 923.1M | 978511.88 | 978762.57 | 34.22 | 69.07 | 0.00 | 0.00 | 1.05 | -70.12 | 0.54 | BA | 751 |
| BA | 752 | 22 | 3.670 | 44 | 39.670 | 930.7M | 978495.21 | 978760.66 | 24.81 | 82.33 | 0.00 | 0.00 | 1.06 | -83.39 | 0.87 | BA | 752 |
| BA | 753 | 22 | 2.500 | 44 | 44.080 | 910.2M | 978503.04 | 978759.43 | 24.54 | -77.31 | 0.00 | 0.00 | 1.04 | -78.35 | 1.26 | BA | 753 |
| BA | 754 | 22 | 0.500 | 44 | 47.580 | 897.9M | 978502.97 | 978757.34 | 22.77 | 77.71 | 0.00 | 0.00 | 1.03 | -78.74 | 0.93 | BA | 754 |
| BA | 755 | 21 | 55.080 | 44 | 38.250 | 868.2M | 978516.54 | 978751.69 | 32.83 | 64.32 | 0.00 | 0.00 | 1.00 | -65.33 | 0.42 | BA | 755 |
| BA | 756 | 21 | 57.830 | 44 | 34.580 | 888.7M | 978514.91 | 978754.55 | 34.66 | 64.79 | 0.00 | 0.00 | 1.02 | -65.81 | 0.42 | BA | 756 |
| BA | 757 | 22 | 0.080 | 44 | 37.250 | 902.1M | 978507.37 | 978756.90 | 28.90 | 72.04 | 0.00 | 0.00 | 1.03 | -73.08 | 0.42 | BA | 757 |
| BA | 758 | 22 | 1.330 | 44 | 34.170 | 931.1M | 978491.75 | 978758.21 | 20.92 | -83.26 | 0.00 | 0.00 | 1.06 | -84.32 | 0.45 | BA | 758 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | | LAT | | LONG | | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 759 | 22 | 2.920 | 44 | 29.920 | 963.0M | 978402.69 | 978759.87 | 20.04 | -87.71 | 0.00 | 0.00 | 1.00 | -88.80 | 0.67 | BA | 759 |
| BA | 760 | 22 | 5.830 | 44 | 23.000 | 1004.6M | 978477.90 | 978762.92 | 25.04 | -87.37 | 0.00 | 0.00 | 1.11 | -88.48 | 0.48 | BA | 760 |
| BA | 761 | 22 | 8.670 | 44 | 19.670 | 1031.8M | 978475.08 | 978765.90 | 27.64 | -87.82 | 0.00 | 0.00 | 1.13 | -88.96 | 1.20 | BA | 761 |
| BA | 762 | 22 | 10.920 | 44 | 14.500 | 1045.0M | 978474.72 | 978768.26 | 29.23 | -87.79 | 0.00 | 0.00 | 1.14 | -88.94 | 0.87 | BA | 762 |
| BA | 763 | 22 | 12.670 | 44 | 8.080 | 1055.9M | 978476.69 | 978770.10 | 32.48 | -85.68 | 0.00 | 0.00 | 1.15 | -86.83 | 0.36 | BA | 763 |
| BA | 769 | 21 | 44.080 | 43 | 52.000 | 1115.5M | 978396.28 | 978740.27 | 0.29 | -124.53 | 0.00 | 0.00 | 1.19 | -125.72 | 0.14 | BA | 769 |
| BA | 770 | 21 | 44.830 | 43 | 40.500 | 1012.4M | 978421.43 | 978741.04 | -7.14 | -120.43 | 0.00 | 0.00 | 1.12 | -121.55 | 1.62 | BA | 770 |
| BA | 771 | 21 | 46.670 | 43 | 35.330 | 955.5M | 978455.71 | 978742.95 | 7.67 | 99.25 | 0.00 | 0.00 | 1.08 | -100.32 | 0.42 | BA | 771 |
| BA | 772 | 21 | 48.000 | 43 | 32.580 | 929.1M | 978463.18 | 978744.33 | 5.62 | -98.35 | 0.00 | 0.00 | 1.06 | -99.40 | 0.21 | BA | 772 |
| BA | 773 | 21 | 53.750 | 43 | 44.420 | 1032.5M | 978434.67 | 978750.30 | 3.04 | -112.50 | 0.00 | 0.00 | 1.13 | -113.63 | 0.36 | BA | 773 |
| BA | 774 | 21 | 56.750 | 43 | 40.330 | 987.0M | 978443.35 | 978753.43 | 5.45 | -115.89 | 0.00 | 0.00 | 1.10 | -116.99 | 1.00 | BA | 774 |
| BA | 775 | 21 | 59.500 | 43 | 37.580 | 960.1M | 978456.18 | 978756.30 | -3.79 | -111.22 | 0.00 | 0.00 | 1.08 | -112.30 | 0.84 | BA | 775 |
| BA | 776 | 22 | 2.080 | 43 | 30.750 | 920.0M | 978477.96 | 978758.99 | 2.92 | -100.02 | 0.00 | 0.00 | 1.05 | -101.07 | 0.64 | BA | 776 |
| BA | 777 | 22 | 2.170 | 43 | 24.830 | 904.4M | 978491.54 | 978759.09 | 11.60 | -89.60 | 0.00 | 0.00 | 1.04 | -90.64 | 1.13 | BA | 777 |
| BA | 778 | 22 | 6.670 | 43 | 19.500 | 941.1M | 978494.81 | 978763.80 | 21.48 | -83.83 | 0.00 | 0.00 | 1.06 | -84.89 | 0.61 | BA | 778 |
| BA | 779 | 22 | 8.830 | 43 | 15.920 | 943.0M | 978515.53 | 978766.07 | 40.52 | -65.00 | 0.00 | 0.00 | 1.07 | -66.07 | 0.58 | BA | 779 |
| BA | 780 | 22 | 8.830 | 43 | 11.920 | 883.7M | 978527.84 | 978766.07 | 34.53 | 64.36 | 0.00 | 0.00 | 1.02 | -65.37 | 0.77 | BA | 780 |
| BA | 781 | 22 | 11.830 | 43 | 9.750 | 906.3M | 978524.30 | 978769.22 | 34.01 | 66.60 | 0.00 | 0.00 | 1.04 | -67.64 | 1.07 | BA | 781 |
| BA | 782 | 22 | 16.830 | 43 | 12.000 | 890.1M | 978532.63 | 978774.49 | 32.87 | -66.73 | 0.00 | 0.00 | 1.02 | -67.75 | 0.74 | BA | 782 |
| BA | 783 | 22 | 13.500 | 43 | 18.000 | 922.2M | 978505.20 | 978770.90 | 18.86 | -84.34 | 0.00 | 0.00 | 1.05 | 85.39 | 0.54 | BA | 783 |
| BA | 784 | 22 | 10.670 | 43 | 23.330 | 920.3M | 978498.80 | 978768.00 | 14.85 | -88.13 | 0.00 | 0.00 | 1.05 | -89.18 | 0.33 | BA | 784 |
| BA | 785 | 22 | 8.330 | 43 | 27.170 | 922.1M | 978495.12 | 978765.54 | 14.18 | -89.00 | 0.00 | 0.00 | 1.05 | -90.05 | 0.67 | BA | 785 |
| BA | 786 | 22 | 7.250 | 43 | 29.670 | 1043.0M | 978456.19 | 978764.46 | 13.69 | -103.02 | 0.00 | 0.00 | 1.14 | -104.16 | 0.19 | BA | 786 |
| BA | 787 | 22 | 7.580 | 43 | 29.750 | 931.7M | 978481.12 | 978764.75 | 3.93 | -100.32 | 0.00 | 0.00 | 1.06 | -101.38 | 1.00 | BA | 787 |
| BA | 788 | 22 | 6.920 | 43 | 29.500 | 937.7M | 978478.86 | 978764.06 | 4.22 | -100.71 | 0.00 | 0.00 | 1.06 | -101.77 | 0.16 | BA | 788 |
| BA | 789 | 22 | 5.250 | 43 | 34.580 | 951.4M | 978465.39 | 978762.31 | 3.28 | -109.74 | 0.00 | 0.00 | 1.07 | -110.81 | 0.45 | BA | 789 |
| BA | 790 | 22 | 11.920 | 43 | 54.080 | 1161.4M | 978435.06 | 978769.31 | 24.19 | 105.77 | 0.00 | 0.00 | 1.22 | 106.99 | 0.19 | BA | 790 |
| BA | 791 | 22 | 9.250 | 43 | 48.330 | 1130.4M | 978428.75 | 978766.51 | 11.12 | 115.37 | 0.00 | 0.00 | 1.20 | -116.57 | 0.13 | BA | 791 |
| BA | 792 | 22 | 3.420 | 43 | 39.080 | 968.1M | 978457.64 | 978760.39 | -3.96 | -112.28 | 0.00 | 0.00 | 1.09 | -113.37 | 0.84 | BA | 792 |
| BA | 793 | 22 | 1.170 | 43 | 43.830 | 999.1M | 978445.92 | 978758.04 | -5.76 | 115.55 | 0.00 | 0.00 | 1.11 | -116.66 | 0.93 | BA | 793 |
| BA | 794 | 21 | 58.580 | 43 | 48.170 | 1040.7M | 978431.47 | 978755.34 | -0.20 | -117.54 | 0.00 | 0.00 | 1.15 | -118.69 | 0.13 | BA | 794 |
| BA | 795 | 21 | 56.920 | 43 | 52.920 | 1106.8M | 978414.62 | 978753.60 | 2.61 | -121.24 | 0.00 | 0.00 | 1.19 | -122.42 | 0.54 | BA | 795 |
| BA | 796 | 22 | 1.670 | 43 | 55.920 | 1133.8M | 978419.06 | 978758.56 | 10.42 | -116.45 | 0.00 | 0.00 | 1.21 | -117.65 | 0.19 | BA | 796 |
| BA | 797 | 22 | 6.420 | 43 | 58.330 | 1099.0M | 978439.74 | 978763.54 | 15.39 | -107.58 | 0.00 | 0.00 | 1.18 | 108.77 | 0.16 | BA | 797 |
| BA | 798 | 22 | 11.420 | 44 | 1.250 | 1111.5M | 978450.71 | 978768.79 | 24.97 | 99.41 | 0.00 | 0.00 | 1.19 | -100.60 | 0.21 | BA | 798 |
| BA | 800 | 22 | 13.830 | 43 | 55.670 | 1125.4M | 978452.45 | 978771.32 | 28.46 | -97.47 | 0.00 | 0.00 | 1.20 | -98.67 | 0.45 | BA | 800 |
| BA | 801 | 22 | 9.000 | 43 | 52.830 | 1099.0M | 978440.97 | 978766.24 | 13.91 | -109.06 | 0.00 | 0.00 | 1.18 | -110.24 | 0.21 | BA | 801 |
| BA | 802 | 22 | 12.000 | 43 | 48.330 | 1099.0M | 978436.25 | 978769.40 | 6.04 | -116.94 | 0.00 | 0.00 | 1.18 | -118.12 | 0.54 | BA | 802 |
| BA | 803 | 22 | 11.000 | 43 | 42.920 | 1038.3M | 978451.37 | 978771.50 | 0.33 | -115.86 | 0.00 | 0.00 | 1.14 | -117.00 | 0.39 | BA | 803 |
| BA | 804 | 22 | 16.580 | 43 | 37.420 | 984.2M | 978470.85 | 978774.22 | 0.39 | -109.74 | 0.00 | 0.00 | 1.10 | -110.84 | 0.21 | BA | 804 |
| BA | 805 | 22 | 19.000 | 43 | 32.500 | 966.1M | 978487.20 | 978776.78 | 2.30 | 98.80 | 0.00 | 0.00 | 1.08 | -99.89 | 0.24 | BA | 805 |
| BA | 806 | 22 | 21.830 | 43 | 26.830 | 942.8M | 978496.37 | 978779.77 | 7.59 | -97.91 | 0.00 | 0.00 | 1.07 | -98.97 | 0.71 | BA | 806 |
| BA | 807 | 22 | 24.250 | 43 | 22.080 | 942.7M | 978503.11 | 978782.33 | 13.28 | 92.77 | 0.00 | 0.00 | 1.07 | 93.84 | 0.13 | BA | 807 |
| BA | 808 | 22 | 26.420 | 43 | 17.170 | 934.1M | 978513.38 | 978784.63 | 17.05 | 87.47 | 0.00 | 0.00 | 1.06 | -88.53 | 0.74 | BA | 808 |
| BA | 809 | 22 | 21.170 | 43 | 13.920 | 919.5M | 978523.57 | 978779.07 | 28.30 | -74.59 | 0.00 | 0.00 | 1.05 | 75.64 | 0.74 | BA | 809 |
| BA | 810 | 22 | 19.170 | 43 | 19.580 | 930.4M | 978509.12 | 978776.96 | 19.33 | -84.78 | 0.00 | 0.00 | 1.06 | -85.84 | 0.39 | BA | 810 |
| BA | 811 | 22 | 16.500 | 43 | 24.750 | 929.6M | 978492.66 | 978774.14 | 10.44 | -93.58 | 0.00 | 0.00 | 1.06 | 94.64 | 0.13 | BA | 811 |
| BA | 812 | 22 | 14.170 | 43 | 31.170 | 956.8M | 978477.39 | 978771.68 | 1.02 | -106.05 | 0.00 | 0.00 | 1.08 | 107.12 | 0.39 | BA | 812 |
| BA | 813 | 22 | 11.500 | 43 | 35.250 | 961.0M | 978469.00 | 978768.87 | -3.27 | -110.80 | 0.00 | 0.00 | 1.08 | -111.88 | 0.13 | BA | 813 |
| BA | 814 | 22 | 9.000 | 43 | 40.250 | 991.4M | 978459.11 | 978766.24 | -1.15 | -112.08 | 0.00 | 0.00 | 1.10 | -113.19 | 0.13 | BA | 814 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA 815 | 22 5.170 | 43 38.080 | 967.7M | 978459.13 | 978762.23 | -4.42 | 112.71 | 0.00 | 0.00 | 1.09 | -113.79 | 0.13 | BA 815 |
| BA 816 | 22 5.000 | 43 38.420 | 1032.7M | 978444.40 | 978762.05 | 1.08 | -114.47 | 0.00 | 0.00 | 1.14 | -115.61 | 0.13 | BA 816 |
| BA 817 | 22 4.830 | 43 38.670 | 968.3M | 978458.55 | 978761.87 | 4.46 | -112.81 | 0.00 | 0.00 | 1.09 | -113.90 | 0.24 | BA 817 |
| BA 818 | 22 4.670 | 43 44.420 | 1020.7M | 978449.46 | 978763.80 | 0.69 | 113.52 | 0.00 | 0.00 | 1.13 | -114.65 | 0.39 | BA 818 |
| BA 819 | 22 5.000 | 43 50.920 | 1073.8M | 978433.90 | 978762.05 | 3.27 | -116.89 | 0.00 | 0.00 | 1.16 | -118.06 | 0.39 | BA 819 |
| BA 820 | 22 8.830 | 44 5.830 | 1090.8M | 978457.02 | 978766.07 | 27.61 | 94.45 | 0.00 | 0.00 | 1.18 | 95.62 | 0.15 | BA 820 |
| BA 821 | 22 6.000 | 44 11.420 | 1049.6M | 978464.67 | 978763.10 | 25.52 | 91.93 | 0.00 | 0.00 | 1.15 | -93.08 | 0.42 | BA 821 |
| BA 822 | 22 2.920 | 44 16.000 | 1014.4M | 978469.94 | 978759.87 | 23.15 | 90.35 | 0.00 | 0.00 | 1.12 | -91.48 | 0.24 | BA 822 |
| BA 823 | 22 0.750 | 44 4.080 | 1008.8M | 978461.30 | 978757.60 | 15.06 | -97.83 | 0.00 | 0.00 | 1.12 | 98.94 | 0.21 | BA 823 |
| BA 824 | 21 58.250 | 44 22.670 | 981.6M | 978461.05 | 978754.99 | 9.02 | 100.83 | 0.00 | 0.00 | 1.10 | 101.91 | 0.21 | BA 824 |
| BA 825 | 21 56.000 | 44 27.000 | 967.0M | 978466.80 | 978752.64 | 12.62 | 95.59 | 0.00 | 0.00 | 1.09 | -96.68 | 0.27 | BA 825 |
| BA 826 | 21 53.250 | 44 31.750 | 939.5M | 978474.79 | 978749.78 | 14.98 | -90.15 | 0.00 | 0.00 | 1.06 | -91.21 | 0.48 | BA 826 |
| BA 827 | 21 51.000 | 44 35.670 | 907.0M | 978499.53 | 978747.44 | 32.03 | 69.46 | 0.00 | 0.00 | 1.04 | 70.50 | 0.64 | BA 827 |
| BA 828 | 21 46.420 | 44 33.670 | 950.5M | 978499.13 | 978742.69 | 49.81 | -56.55 | 0.00 | 0.00 | 1.07 | -57.62 | 0.61 | BA 828 |
| BA 829 | 21 48.670 | 44 29.670 | 984.4M | 978449.18 | 978745.02 | 7.99 | -102.17 | 0.00 | 0.00 | 1.10 | -103.27 | 0.61 | BA 829 |
| BA 830 | 21 51.250 | 44 25.500 | 1012.9M | 978444.35 | 978747.70 | 9.27 | -104.07 | 0.00 | 0.00 | 1.12 | 105.19 | 0.13 | BA 830 |
| BA 831 | 21 53.920 | 44 21.250 | 1043.5M | 978440.73 | 978750.48 | 12.32 | -104.45 | 0.00 | 0.00 | 1.14 | -105.59 | 0.13 | BA 831 |
| BA 832 | 21 54.670 | 44 18.250 | 1052.1M | 978444.46 | 978751.26 | 17.52 | 99.81 | 0.00 | 0.00 | 1.15 | 100.96 | 0.36 | BA 832 |
| BA 833 | 21 56.830 | 44 14.920 | 1063.4M | 978450.09 | 978753.51 | 24.79 | 94.21 | 0.00 | 0.00 | 1.16 | -95.36 | 0.27 | BA 833 |
| BA 834 | 21 58.250 | 44 12.330 | 1063.4M | 978451.50 | 978754.99 | 24.71 | -94.28 | 0.00 | 0.00 | 1.16 | -95.44 | 0.29 | BA 834 |
| BA 835 | 22 0.420 | 44 9.500 | 1068.7M | 978451.52 | 978757.26 | 24.10 | 95.48 | 0.00 | 0.00 | 1.16 | -96.64 | 0.16 | BA 835 |
| BA 836 | 22 2.420 | 44 4.920 | 1085.2M | 978445.55 | 978759.35 | 21.13 | -100.30 | 0.00 | 0.00 | 1.17 | 101.47 | 0.67 | BA 836 |
| BA 837 | 22 4.330 | 44 1.500 | 1109.6M | 978437.86 | 978761.35 | 18.27 | -105.19 | 0.00 | 0.00 | 1.19 | -106.38 | 0.19 | BA 837 |
| BA 843 | 21 59.170 | 44 0.580 | 1140.2M | 978420.36 | 978755.95 | 16.31 | -111.27 | 0.00 | 0.00 | 1.21 | 112.48 | 0.13 | BA 843 |
| BA 844 | 21 57.000 | 44 4.750 | 1122.1M | 978428.49 | 978753.69 | 21.12 | 104.44 | 0.00 | 0.00 | 1.20 | -105.64 | 0.13 | BA 844 |
| BA 845 | 21 53.830 | 44 9.670 | 1114.1M | 978437.98 | 978750.39 | 21.44 | -103.29 | 0.00 | 0.00 | 1.19 | -104.41 | 0.27 | BA 845 |
| BA 846 | 21 51.920 | 44 14.000 | 1091.9M | 978429.43 | 978748.40 | 18.03 | -104.15 | 0.00 | 0.00 | 1.18 | -105.33 | 0.27 | BA 846 |
| BA 847 | 21 49.330 | 44 18.170 | 1081.2M | 978426.52 | 978745.71 | 14.51 | -106.47 | 0.00 | 0.00 | 1.17 | 107.64 | 0.18 | BA 847 |
| BA 848 | 21 46.580 | 44 22.920 | 1054.1M | 978425.97 | 978742.86 | 8.45 | -109.50 | 0.00 | 0.00 | 1.15 | 110.65 | 0.32 | BA 848 |
| BA 849 | 21 34.250 | 44 27.170 | 1023.3M | 978435.11 | 978730.13 | 20.81 | -93.69 | 0.00 | 0.00 | 1.13 | -94.82 | 0.16 | BA 849 |
| BA 850 | 21 41.580 | 44 31.500 | 977.7M | 978447.00 | 978737.68 | 11.08 | -98.32 | 0.00 | 0.00 | 1.09 | 99.42 | 0.14 | BA 850 |
| BA 851 | 21 37.500 | 44 29.170 | 989.5M | 978435.04 | 978733.48 | 6.97 | 103.75 | 0.00 | 0.00 | 1.10 | -104.86 | 0.14 | BA 851 |
| BA 852 | 21 39.830 | 44 25.420 | 980.0M | 978438.59 | 978735.88 | 5.18 | -104.48 | 0.00 | 0.00 | 1.10 | -105.57 | 0.16 | BA 852 |
| BA 853 | 21 42.420 | 44 21.170 | 1005.5M | 978422.38 | 978738.55 | -5.83 | -118.34 | 0.00 | 0.00 | 1.11 | -119.46 | 0.64 | BA 853 |
| BA 854 | 21 44.250 | 44 16.420 | 1031.2M | 978424.70 | 978740.44 | 2.53 | -112.86 | 0.00 | 0.00 | 1.13 | -114.00 | 0.45 | BA 854 |
| BA 855 | 21 46.830 | 44 12.000 | 1037.0M | 978427.75 | 978743.02 | 4.69 | -111.34 | 0.00 | 0.00 | 1.14 | -112.48 | 0.29 | BA 855 |
| BA 856 | 21 49.170 | 44 7.580 | 1064.5M | 978425.55 | 978745.54 | 8.55 | -110.56 | 0.00 | 0.00 | 1.16 | -111.72 | 0.29 | BA 856 |
| BA 857 | 21 49.500 | 44 4.830 | 1099.6M | 978422.64 | 978745.88 | 16.13 | -106.91 | 0.00 | 0.00 | 1.18 | -108.09 | 0.18 | BA 857 |
| BA 858 | 21 49.330 | 44 4.670 | 1131.5M | 978415.67 | 978745.70 | 19.18 | -107.43 | 0.00 | 0.00 | 1.20 | 108.64 | 0.18 | BA 858 |
| BA 859 | 21 49.170 | 44 4.420 | 1091.2M | 978423.51 | 978745.54 | 14.25 | -107.35 | 0.00 | 0.00 | 1.18 | -108.53 | 0.42 | BA 859 |
| BA 860 | 21 52.750 | 44 3.000 | 1102.5M | 978422.48 | 978749.26 | 13.49 | -109.88 | 0.00 | 0.00 | 1.18 | -111.06 | 0.27 | BA 860 |
| BA 861 | 21 54.170 | 43 6.080 | 1107.2M | 978418.09 | 978750.74 | 9.07 | -114.82 | 0.00 | 0.00 | 1.19 | -116.01 | 0.13 | BA 861 |
| BA 862 | 22 16.830 | 43 50.330 | 1104.4M | 978454.21 | 978774.49 | 20.58 | -103.00 | 0.00 | 0.00 | 1.19 | -104.19 | 0.33 | BA 862 |
| BA 863 | 22 18.920 | 43 45.080 | 1052.1M | 978459.59 | 978776.69 | 7.61 | -110.11 | 0.00 | 0.00 | 1.15 | 111.26 | 0.19 | BA 863 |
| BA 864 | 22 21.670 | 43 39.170 | 1037.1M | 978467.59 | 978779.60 | 8.08 | -107.97 | 0.00 | 0.00 | 1.14 | -109.11 | 0.21 | BA 864 |
| BA 865 | 22 23.920 | 43 35.250 | 1019.2M | 978476.92 | 978781.98 | 9.50 | 104.55 | 0.00 | 0.00 | 1.13 | 105.67 | 0.74 | BA 865 |
| BA 866 | 22 26.500 | 43 29.420 | 966.7M | 978496.54 | 978784.73 | 10.18 | 97.99 | 0.00 | 0.00 | 1.09 | -99.07 | 0.55 | BA 866 |
| BA 867 | 22 29.080 | 43 24.580 | 941.8M | 978500.26 | 978787.46 | 3.48 | -101.90 | 0.00 | 0.00 | 1.07 | -102.97 | 0.51 | BA 867 |
| BA 868 | 22 31.670 | 43 19.920 | 956.0M | 978497.30 | 978790.21 | 2.15 | -104.83 | 0.00 | 0.00 | 1.08 | -105.90 | 0.33 | BA 868 |
| BD001 | 17 52.320 | 42 15.170 | 154.1M | 978425.26 | 978518.34 | 45.48 | 62.72 | 0.00 | 0.00 | 0.22 | -62.94 | 0.44 | BD001 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD002 | 17 46.970 | 41 23.770 | 0.0M | 978497.32 | 978513.62 | -16.30 | -16.30 | 0.00 | 0.00 | 0.00 | 16.30 | 0.22 | BD002 |
| BD003 | 17 50.630 | 41 8.210 | 0.0M | 978500.97 | 978516.83 | -15.86 | -15.86 | 0.00 | 0.00 | 0.00 | -15.86 | 0.22 | BD003 |
| BD004 | 17 41.670 | 40 55.190 | 0.0M | 978499.37 | 978509.00 | -9.63 | -9.63 | 0.00 | 0.00 | 0.00 | -9.63 | 0.22 | BD004 |
| BD005 | 18 2.710 | 40 58.300 | 0.0M | 978515.60 | 978527.47 | -11.87 | -11.87 | 0.00 | 0.00 | 0.00 | -11.87 | 0.20 | BD005 |
| BD006 | 18 13.660 | 41 18.400 | 0.0M | 978547.36 | 978537.21 | 10.15 | 10.15 | 0.00 | 0.00 | 0.00 | 10.15 | 0.22 | BD006 |
| BD007 | 18 13.980 | 40 53.350 | 0.0M | 978526.92 | 978537.50 | 10.58 | -10.58 | 0.00 | 0.00 | 0.00 | -10.58 | 0.22 | BD007 |
| BD008 | 18 16.830 | 40 44.710 | 0.0M | 978532.30 | 978540.05 | -7.75 | -7.75 | 0.00 | 0.00 | 0.00 | -7.75 | 0.22 | BD008 |
| BD009 | 18 20.450 | 40 50.100 | 0.0M | 978530.00 | 978543.29 | -13.29 | -13.29 | 0.00 | 0.00 | 0.00 | 13.29 | 0.22 | BD009 |
| BD010 | 18 30.410 | 40 40.530 | 0.0M | 978545.79 | 978552.27 | 6.48 | -6.48 | 0.00 | 0.00 | 0.00 | -6.48 | 0.22 | BD010 |
| BD011 | 18 28.090 | 41 3.130 | 0.0M | 978557.71 | 978550.17 | 7.54 | 7.54 | 0.00 | 0.00 | 0.00 | 7.54 | 0.22 | BD011 |
| BD012 | 18 36.030 | 41 3.820 | 0.0M | 978571.30 | 978557.37 | 13.94 | 13.94 | 0.00 | 0.00 | 0.00 | 13.94 | 0.22 | BD012 |
| BD013 | 18 22.940 | 41 15.850 | 0.0M | 978561.84 | 978545.53 | 16.31 | 16.31 | 0.00 | 0.00 | 0.00 | 16.31 | 0.20 | BD013 |
| BD014 | 18 25.250 | 41 13.020 | 0.0M | 978566.93 | 978547.61 | 19.32 | 19.32 | 0.00 | 0.00 | 0.00 | 19.32 | 0.20 | BD014 |
| BD015 | 18 34.090 | 40 52.960 | 0.0M | 978550.74 | 978555.60 | 4.86 | -4.86 | 0.00 | 0.00 | 0.00 | -4.86 | 0.22 | BD015 |
| BD016 | 18 43.570 | 40 37.250 | 0.0M | 978556.05 | 978564.24 | 7.39 | -7.39 | 0.00 | 0.00 | 0.00 | -7.39 | 0.21 | BD016 |
| BD017 | 18 52.260 | 40 24.620 | 0.0M | 978565.41 | 978572.21 | -6.80 | 6.80 | 0.00 | 0.00 | 0.00 | -6.80 | 0.22 | BD017 |
| BD018 | 18 51.770 | 40 37.210 | 0.0M | 978559.62 | 978571.76 | 12.14 | -12.14 | 0.00 | 0.00 | 0.00 | 12.14 | 0.21 | BD018 |
| BD019 | 18 54.740 | 40 36.510 | 0.0M | 978560.69 | 978576.34 | 15.64 | -15.64 | 0.00 | 0.00 | 0.00 | -15.64 | 0.23 | BD019 |
| BD020 | 19 2.990 | 41 2.260 | 0.0M | 978594.50 | 978582.12 | 12.38 | 12.38 | 0.00 | 0.00 | 0.00 | 12.38 | 0.21 | BD020 |
| BD021 | 19 6.100 | 41 6.470 | 0.0M | 978597.23 | 978585.01 | 12.22 | 12.22 | 0.00 | 0.00 | 0.00 | 12.22 | 0.23 | BD021 |
| BD022 | 19 1.360 | 41 9.760 | 0.0M | 978598.51 | 978580.61 | 17.90 | 17.90 | 0.00 | 0.00 | 0.00 | 17.90 | 0.23 | BD022 |
| BD023 | 18 58.370 | 41 4.250 | 0.0M | 978592.88 | 978577.84 | 15.04 | 15.04 | 0.00 | 0.00 | 0.00 | 15.04 | 0.21 | BD023 |
| BD024 | 18 53.350 | 40 52.920 | 0.0M | 978570.68 | 978573.21 | -2.53 | -2.53 | 0.00 | 0.00 | 0.00 | -2.53 | 0.21 | BD024 |
| BD025 | 18 53.120 | 41 10.170 | 0.0M | 978595.35 | 978573.00 | 22.35 | 22.35 | 0.00 | 0.00 | 0.00 | 22.35 | 0.21 | BD025 |
| BD026 | 18 49.840 | 41 14.080 | 0.0M | 978593.40 | 978569.98 | 23.41 | 23.41 | 0.00 | 0.00 | 0.00 | 23.41 | 0.21 | BD026 |
| BD027 | 18 44.140 | 41 12.700 | 0.0M | 978587.32 | 978564.76 | 22.56 | 22.56 | 0.00 | 0.00 | 0.00 | 22.56 | 0.20 | BD027 |
| BD028 | 18 38.630 | 41 14.520 | 0.0M | 978583.67 | 978559.74 | 23.93 | 23.93 | 0.00 | 0.00 | 0.00 | 23.93 | 0.20 | BD028 |
| BD029 | 18 35.040 | 41 20.280 | 0.0M | 978576.11 | 978556.47 | 19.65 | 19.65 | 0.00 | 0.00 | 0.00 | 19.65 | 0.20 | BD029 |
| BD030 | 18 30.970 | 41 24.910 | 0.0M | 978564.22 | 978552.78 | 11.44 | 11.44 | 0.00 | 0.00 | 0.00 | 11.44 | 0.20 | BD030 |
| BD031 | 17 26.660 | 42 16.140 | 0.0M | 978518.68 | 978496.01 | 22.67 | 22.67 | 0.00 | 0.00 | 0.00 | 22.67 | 0.19 | BD031 |
| BD032 | 17 31.280 | 42 13.100 | 0.0M | 978525.19 | 978499.99 | 25.20 | 25.20 | 0.00 | 0.00 | 0.00 | 25.20 | 0.20 | BD032 |
| BD033 | 17 34.360 | 42 7.930 | 0.0M | 978529.92 | 978502.66 | 27.27 | 27.27 | 0.00 | 0.00 | 0.00 | 27.27 | 0.20 | BD033 |
| BD034 | 17 39.540 | 42 3.110 | 0.0M | 978520.27 | 978507.15 | 21.12 | 21.12 | 0.00 | 0.00 | 0.00 | 21.12 | 0.19 | BD034 |
| BD035 | 17 42.590 | 41 50.750 | 0.0M | 978531.68 | 978509.80 | 21.88 | 21.88 | 0.00 | 0.00 | 0.00 | 21.88 | 0.22 | BD035 |
| BD036 | 17 45.910 | 41 54.570 | 0.0M | 978530.82 | 978512.70 | 18.12 | 18.12 | 0.00 | 0.00 | 0.00 | 18.12 | 0.22 | BD036 |
| BD037 | 17 49.010 | 41 49.550 | 0.0M | 978535.42 | 978515.41 | 20.01 | 20.01 | 0.00 | 0.00 | 0.00 | 20.01 | 0.19 | BD037 |
| BD038 | 17 52.430 | 41 45.680 | 0.2M | 978532.78 | 978518.41 | 14.42 | 14.42 | 0.00 | 0.00 | 0.00 | 14.42 | 0.20 | BD038 |
| BD039 | 17 56.800 | 41 41.690 | 0.0M | 978537.10 | 978522.25 | 14.85 | 14.85 | 0.00 | 0.00 | 0.00 | 14.85 | 0.20 | BD039 |
| BD040 | 18 0.540 | 41 39.760 | 0.0M | 978535.89 | 978525.55 | 10.34 | 10.34 | 0.00 | 0.00 | 0.00 | 10.34 | 0.20 | BD040 |
| BD041 | 18 4.680 | 41 36.180 | 0.0M | 978546.40 | 978529.22 | 17.18 | 17.18 | 0.00 | 0.00 | 0.00 | 17.18 | 0.20 | BD041 |
| BD042 | 18 9.610 | 41 30.040 | 0.0M | 978549.94 | 978533.60 | 16.35 | 16.35 | 0.00 | 0.00 | 0.00 | 16.35 | 0.21 | BD042 |
| BD043 | 18 13.770 | 41 31.690 | 0.0M | 978557.02 | 978537.31 | 19.71 | 19.71 | 0.00 | 0.00 | 0.00 | 19.71 | 0.20 | BD043 |
| BD044 | 18 18.510 | 41 28.630 | 0.0M | 978559.74 | 978541.55 | 18.19 | 18.19 | 0.00 | 0.00 | 0.00 | 18.19 | 0.21 | BD044 |
| BD045 | 18 23.420 | 41 26.440 | 0.0M | 978559.56 | 978545.96 | 13.60 | 13.60 | 0.00 | 0.00 | 0.00 | 13.60 | 0.22 | BD045 |
| BD046 | 18 29.020 | 41 29.710 | 0.0M | 978565.22 | 978551.01 | 14.21 | 14.21 | 0.00 | 0.00 | 0.00 | 14.21 | 0.21 | BD046 |
| BD047 | 17 33.550 | 42 26.510 | 96.2M | 978485.93 | 978501.96 | 13.67 | 2.91 | 0.00 | 0.00 | 0.14 | 2.77 | 0.23 | BD047 |
| BD048 | 17 30.310 | 42 22.680 | 44.0M | 978513.39 | 978499.16 | 27.82 | 22.89 | 0.00 | 0.00 | 0.06 | 22.83 | 0.38 | BD048 |
| BD049 | 17 24.520 | 42 25.860 | 63.3M | 978516.70 | 978494.18 | 40.15 | 35.06 | 0.00 | 0.00 | 0.09 | 34.97 | 0.23 | BD049 |
| BD050 | 17 28.060 | 42 29.350 | 20.5M | 978504.74 | 978497.22 | 35.47 | 25.34 | 0.00 | 0.00 | 0.13 | 25.21 | 0.25 | BD050 |
| BD051 | 17 31.420 | 42 33.700 | 157.5M | 978440.42 | 978500.13 | 11.07 | 28.70 | 0.00 | 0.00 | 0.22 | -28.92 | 0.33 | BD051 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued**

| ID | LAT | L. | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD052 | 17 36.160 | 42 31.190 | 1134.3M | 978426.86 | 978504.21 | -35.90 | -50.92 | 0.00 | 0.00 | 0.19 | -51.11 | 0.38 | BD052 |
| BD053 | 17 41.010 | 42 27.400 | 1117.9M | 978429.92 | 978508.43 | -42.11 | 55.30 | 0.00 | 0.00 | 0.17 | -55.47 | 0.28 | BD053 |
| BD054 | 17 37.990 | 42 22.490 | 60.9M | 978489.77 | 978505.80 | 2.77 | -4.05 | 0.00 | 0.00 | 0.09 | -4.14 | 0.27 | BD054 |
| BD055 | 17 35.020 | 42 18.380 | 21.7M | 978523.74 | 978503.23 | 27.21 | 24.70 | 0.00 | 0.00 | 0.03 | 24.75 | 0.25 | BD055 |
| BD056 | 17 35.640 | 42 42.300 | 446.3M | 978335.12 | 978503.76 | -30.87 | -80.81 | 0.00 | 0.00 | 0.58 | -81.39 | 0.44 | BD056 |
| BD057 | 17 34.020 | 42 30.230 | 198.5M | 978393.62 | 978502.36 | -47.46 | -69.67 | 0.00 | 0.00 | 0.28 | 69.95 | 0.56 | BD057 |
| BD058 | 17 26.130 | 42 34.890 | 104.8M | 978482.36 | 978495.56 | 19.16 | 7.43 | 0.00 | 0.00 | 0.15 | 7.28 | 0.56 | BD058 |
| BD059 | 17 28.890 | 42 41.320 | 187.6M | 978396.31 | 978497.93 | -43.71 | 64.70 | 0.00 | 0.00 | 0.26 | -64.97 | 0.62 | BD059 |
| BD060 | 17 32.080 | 42 45.790 | 377.7M | 978344.29 | 978500.69 | 39.80 | -82.06 | 0.00 | 0.00 | 0.50 | 82.56 | 0.50 | BD060 |
| BD061 | 17 27.490 | 42 48.770 | 370.7M | 978341.11 | 978496.73 | -41.18 | -82.66 | 0.00 | 0.00 | 0.49 | -83.15 | 0.44 | BD061 |
| BD062 | 17 31.260 | 42 53.890 | 909.0M | 978234.01 | 978499.98 | 14.62 | -87.10 | 0.00 | 0.00 | 1.04 | -88.14 | 0.66 | BD062 |
| BD063 | 17 36.760 | 42 49.170 | 782.0M | 978277.20 | 978504.73 | 13.65 | -73.65 | 0.00 | 0.00 | 0.93 | 74.58 | 0.56 | BD063 |
| BD064 | 17 24.920 | 43 5.460 | 911.8M | 978197.29 | 978494.52 | -15.78 | -117.81 | 0.00 | 0.00 | 1.04 | -118.85 | 0.66 | BD064 |
| BD065 | 17 26.180 | 42 56.930 | 731.9M | 978255.82 | 978495.60 | -13.86 | -95.75 | 0.00 | 0.00 | 0.88 | -96.64 | 0.85 | BD065 |
| BD066 | 17 20.670 | 42 59.040 | 397.7M | 978314.97 | 978490.88 | -53.14 | -97.64 | 0.00 | 0.00 | 0.53 | -98.16 | 0.98 | BD066 |
| BD067 | 17 28.310 | 43 2.360 | 1581.0M | 978063.00 | 978497.43 | 53.50 | -123.41 | 0.00 | 0.00 | 1.43 | -124.85 | 0.66 | BD067 |
| BD068 | 17 30.120 | 43 7.220 | 1078.6M | 978157.73 | 978498.99 | -8.34 | -129.04 | 0.00 | 0.00 | 1.17 | -130.20 | 0.66 | BD068 |
| BD069 | 17 29.180 | 43 13.290 | 1316.4M | 978119.08 | 978498.18 | 27.20 | -120.11 | 0.00 | 0.00 | 1.32 | -121.42 | 0.66 | BD069 |
| BD070 | 17 27.030 | 43 9.180 | 1265.3M | 978124.44 | 978496.33 | 18.64 | -122.94 | 0.00 | 0.00 | 1.29 | -124.23 | 0.72 | BD070 |
| BD071 | 17 23.630 | 43 13.320 | 1419.2M | 978087.97 | 978493.41 | 32.57 | -126.23 | 0.00 | 0.00 | 1.37 | 127.60 | 0.82 | BD071 |
| BD072 | 17 20.910 | 43 7.120 | 694.5M | 978237.81 | 978491.08 | -38.89 | -116.60 | 0.00 | 0.00 | 0.85 | -117.45 | 0.82 | BD072 |
| BD073 | 17 16.730 | 43 2.010 | 381.4M | 978318.84 | 978487.51 | -50.93 | -93.61 | 0.00 | 0.00 | 0.51 | -94.11 | 0.82 | BD073 |
| BD074 | 17 16.210 | 43 11.530 | 620.6M | 978236.85 | 978487.07 | -58.64 | -128.09 | 0.00 | 0.00 | 0.77 | -128.86 | 0.82 | BD074 |
| BD075 | 17 13.210 | 43 10.010 | 516.9M | 978261.44 | 978484.52 | -63.51 | -121.35 | 0.00 | 0.00 | 0.66 | -122.01 | 0.82 | BD075 |
| BD076 | 17 10.500 | 43 5.170 | 341.1M | 978322.48 | 978482.22 | -54.43 | 92.60 | 0.00 | 0.00 | 0.46 | 93.06 | 1.37 | BD076 |
| BD077 | 17 37.960 | 43 16.160 | 1359.5M | 978096.42 | 978505.78 | 10.24 | -141.89 | 0.00 | 0.00 | 1.34 | 143.22 | 0.82 | BD077 |
| BD078 | 17 35.740 | 43 11.220 | 1317.3M | 978121.14 | 978503.85 | 23.87 | -123.54 | 0.00 | 0.00 | 1.32 | -124.85 | 0.85 | BD078 |
| BD079 | 17 34.160 | 43 18.640 | 1765.2M | 978022.83 | 978502.48 | 65.11 | -132.42 | 0.00 | 0.00 | 1.48 | 133.90 | 0.85 | BD079 |
| BD080 | 17 35.870 | 43 23.000 | 1783.4M | 977995.72 | 978503.96 | 42.12 | -157.44 | 0.00 | 0.00 | 1.49 | 158.92 | 0.85 | BD080 |
| BD081 | 17 39.420 | 43 20.390 | 1735.7M | 978013.11 | 978507.04 | 41.72 | -152.50 | 0.00 | 0.00 | 1.48 | -153.98 | 0.82 | BD081 |
| BD082 | 17 44.380 | 43 17.650 | 1722.4M | 978030.44 | 978511.36 | 50.64 | -142.10 | 0.00 | 0.00 | 1.47 | -143.57 | 0.88 | BD082 |
| BD083 | 17 42.010 | 43 12.950 | 1317.9M | 978110.71 | 978509.30 | 0.18 | -139.29 | 0.00 | 0.00 | 1.32 | 140.61 | 0.82 | BD083 |
| BD084 | 17 39.120 | 43 7.770 | 1135.6M | 978159.94 | 978506.78 | 3.67 | -123.40 | 0.00 | 0.00 | 1.21 | -124.61 | 0.82 | BD084 |
| BD085 | 17 35.170 | 43 3.550 | 943.1M | 978193.03 | 978503.36 | 19.22 | -124.75 | 0.00 | 0.00 | 1.07 | -125.82 | 0.85 | BD085 |
| BD086 | 17 33.960 | 42 58.950 | 991.6M | 978199.88 | 978502.31 | 3.64 | -107.32 | 0.00 | 0.00 | 1.10 | -108.42 | 0.85 | BD086 |
| BD087 | 17 42.910 | 42 51.350 | 856.7M | 978239.38 | 978510.08 | -4.26 | 102.13 | 0.00 | 0.00 | 0.99 | 103.12 | 0.59 | BD087 |
| BD088 | 17 39.630 | 42 47.530 | 616.0M | 978307.09 | 978507.23 | -9.98 | -78.91 | 0.00 | 0.00 | 0.77 | 79.67 | 0.66 | BD088 |
| BD089 | 17 39.100 | 42 55.210 | 1776.5M | 978044.78 | 978506.77 | 80.26 | -112.53 | 0.00 | 0.00 | 1.49 | -114.02 | 0.59 | BD089 |
| BD090 | 17 41.340 | 43 0.940 | 942.9M | 978197.30 | 978508.71 | 20.37 | 125.88 | 0.00 | 0.00 | 1.07 | -126.94 | 0.59 | BD090 |
| BD091 | 17 45.910 | 42 57.710 | 645.4M | 978225.45 | 978512.70 | 30.02 | -110.24 | 0.00 | 0.00 | 0.80 | 111.04 | 0.69 | BD091 |
| BD092 | 17 49.340 | 42 53.800 | 740.4M | 978248.32 | 978515.70 | -38.83 | -121.67 | 0.00 | 0.00 | 0.89 | -122.57 | 0.82 | BD092 |
| BD093 | 17 46.920 | 42 49.570 | 464.1M | 978304.75 | 978513.58 | 65.56 | -117.49 | 0.00 | 0.00 | 0.60 | -118.10 | 0.88 | BD093 |
| BD094 | 17 44.710 | 42 44.410 | 466.4M | 978330.73 | 978511.65 | 34.94 | -89.13 | 0.00 | 0.00 | 0.61 | 89.74 | 0.88 | BD094 |
| BD095 | 17 41.580 | 42 39.900 | 328.7M | 978358.11 | 978508.92 | 49.34 | 86.12 | 0.00 | 0.00 | 0.44 | -86.56 | 0.59 | BD095 |
| BD096 | 17 39.040 | 42 35.840 | 265.1M | 978383.58 | 978506.71 | -41.29 | -70.96 | 0.00 | 0.00 | 0.36 | -71.32 | 0.59 | BD096 |
| BD097 | 17 52.540 | 43 6.160 | 1240.9M | 978138.35 | 978518.50 | 2.85 | 136.01 | 0.00 | 0.00 | 1.27 | -137.28 | 0.91 | BD097 |
| BD098 | 17 48.350 | 43 2.120 | 939.5M | 978199.82 | 978514.83 | -25.02 | -130.15 | 0.00 | 0.00 | 1.06 | -131.21 | 0.95 | BD098 |
| BD099 | 17 51.770 | 42 57.960 | 946.6M | 978186.72 | 978517.83 | -38.93 | -144.85 | 0.00 | 0.00 | 1.07 | -145.92 | 0.95 | BD099 |
| BD100 | 17 56.200 | 43 4.600 | 1570.1M | 978062.12 | 978521.72 | 24.97 | -150.73 | 0.00 | 0.00 | 1.43 | -152.15 | 0.91 | BD100 |
| BD101 | 17 59.120 | 43 0.910 | 2449.8M | 977884.75 | 978524.30 | 116.35 | -157.77 | 0.00 | 0.00 | 1.47 | -159.24 | 0.95 | BD101 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued**

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD102 | 17 54.300 | 43 12.000 | 2394.5M | 977891.91 | 978520.05 | 110.71 | -157.23 | 0.00 | 0.00 | 1.48 | -158.71 | 0.91 | BD102 |
| BD103 | 17 49.890 | 43 14.430 | 3472.7M | 978070.10 | 978516.18 | 8.44 | -156.36 | 0.00 | 0.00 | 1.39 | -157.75 | 1.11 | BD103 |
| BD104 | 17 46.620 | 43 11.210 | 3100.8M | 978161.77 | 978513.32 | 11.78 | -134.96 | 0.00 | 0.00 | 1.18 | -136.14 | 1.01 | BD104 |
| BD105 | 17 45.700 | 43 1.200 | 741.7M | 978230.43 | 978512.51 | 45.14 | -128.13 | 0.00 | 0.00 | 0.89 | -129.02 | 1.14 | BD105 |
| BD106 | 17 44.540 | 43 5.740 | 880.6M | 978191.00 | 978511.50 | 48.68 | -147.22 | 0.00 | 0.00 | 1.02 | -148.24 | 1.01 | BD106 |
| BD107 | 17 56.990 | 42 43.550 | 3073.0M | 978172.64 | 978522.42 | -18.59 | -138.66 | 0.00 | 0.00 | 1.16 | -139.82 | 0.63 | BD107 |
| BD108 | 17 59.890 | 42 47.100 | 2451.3M | 977900.81 | 978524.98 | 132.20 | -142.09 | 0.00 | 0.00 | 1.47 | -143.56 | 0.72 | BD108 |
| BD109 | 17 58.270 | 42 55.030 | 3106.1M | 978148.50 | 978523.55 | 33.64 | -157.41 | 0.00 | 0.00 | 1.19 | -158.60 | 0.63 | BD109 |
| BD110 | 17 56.110 | 42 51.370 | 3144.3M | 978172.60 | 978521.64 | 4.14 | -123.90 | 0.00 | 0.00 | 1.21 | -125.11 | 0.63 | BD110 |
| BD111 | 17 52.230 | 42 47.740 | 699.3M | 978249.79 | 978518.23 | 52.58 | -130.83 | 0.00 | 0.00 | 0.85 | -131.68 | 0.69 | BD111 |
| BD112 | 17 49.490 | 42 41.700 | 514.5M | 978323.05 | 978515.83 | 33.95 | 91.52 | 0.00 | 0.00 | 0.66 | -92.18 | 0.95 | BD112 |
| BD113 | 17 53.750 | 42 38.740 | 814.3M | 978272.03 | 978519.57 | 3.62 | 87.30 | 0.00 | 0.00 | 0.96 | -88.26 | 0.63 | BD113 |
| BD114 | 17 58.240 | 42 35.330 | 712.7M | 978295.14 | 978523.52 | -8.38 | -88.13 | 0.00 | 0.00 | 0.86 | -88.99 | 0.75 | BD114 |
| BD115 | 18 1.150 | 42 40.590 | 1184.1M | 978148.70 | 978526.09 | 8.08 | 124.42 | 0.00 | 0.00 | 1.24 | -125.66 | 0.63 | BD115 |
| BD116 | 17 55.240 | 42 30.660 | 663.9M | 978309.79 | 978520.88 | 6.15 | 80.44 | 0.00 | 0.00 | 0.82 | 81.26 | 0.35 | BD116 |
| BD117 | 17 47.680 | 42 28.040 | 351.6M | 978370.52 | 978514.24 | 35.18 | 74.52 | 0.00 | 0.00 | 0.47 | -75.00 | 0.19 | BD117 |
| BD118 | 17 51.120 | 42 34.370 | 760.9M | 978283.04 | 978517.26 | 0.66 | 84.49 | 0.00 | 0.00 | 0.91 | -85.40 | 0.72 | BD118 |
| BD119 | 17 46.490 | 42 36.860 | 590.7M | 978306.54 | 978513.20 | -24.31 | -90.41 | 0.00 | 0.00 | 0.74 | -91.15 | 0.25 | BD119 |
| BD120 | 17 43.310 | 42 32.290 | 283.3M | 978378.62 | 978510.43 | 44.35 | 76.05 | 0.00 | 0.00 | 0.39 | -76.43 | 0.30 | BD120 |
| BD121 | 17 45.130 | 42 23.690 | 168.5M | 978425.94 | 978512.02 | -34.05 | 52.91 | 0.00 | 0.00 | 0.24 | -53.15 | 0.19 | BD121 |
| BD122 | 17 52.020 | 42 24.980 | 407.8M | 978360.13 | 978518.75 | 32.73 | -78.36 | 0.00 | 0.00 | 0.54 | -78.90 | 0.35 | BD122 |
| BD123 | 17 49.270 | 42 20.180 | 213.6M | 978415.01 | 978515.64 | -34.69 | -58.59 | 0.00 | 0.00 | 0.30 | -58.88 | 0.47 | BD123 |
| BD124 | 17 47.060 | 42 15.120 | 97.3M | 978473.42 | 978513.70 | 10.25 | -21.13 | 0.00 | 0.00 | 0.14 | 21.27 | 0.28 | BD124 |
| BD125 | 17 43.210 | 42 10.190 | 37.5M | 978511.79 | 978510.34 | 13.02 | 8.83 | 0.00 | 0.00 | 0.05 | 8.77 | 0.19 | BD125 |
| BD126 | 17 38.620 | 42 13.300 | 26.6M | 978523.26 | 978506.35 | 25.12 | 22.14 | 0.00 | 0.00 | 0.04 | 22.10 | 0.30 | BD126 |
| BD127 | 17 54.710 | 42 9.910 | 136.5M | 978434.87 | 978520.41 | -43.40 | 58.67 | 0.00 | 0.00 | 0.19 | -58.86 | 0.22 | BD127 |
| BD128 | 17 52.260 | 42 5.060 | 78.6M | 978476.62 | 978518.26 | -17.37 | 26.17 | 0.00 | 0.00 | 0.11 | -26.28 | 0.23 | BD128 |
| BD129 | 17 56.630 | 42 2.010 | 105.8M | 978451.04 | 978522.10 | 38.40 | 50.23 | 0.00 | 0.00 | 0.15 | -50.39 | 0.35 | BD129 |
| BD130 | 17 54.010 | 41 57.850 | 59.0M | 978488.55 | 978519.80 | -13.03 | -19.63 | 0.00 | 0.00 | 0.09 | 19.72 | 0.35 | BD130 |
| BD131 | 17 49.340 | 42 1.370 | 43.2M | 978509.28 | 978515.70 | 6.92 | 2.09 | 0.00 | 0.00 | 0.06 | 2.02 | 0.22 | BD131 |
| BD132 | 17 45.110 | 42 3.720 | 20.1M | 978522.54 | 978512.00 | 16.74 | 14.49 | 0.00 | 0.00 | 0.03 | 14.46 | 0.23 | BD132 |
| BD133 | 18 4.210 | 42 25.360 | 891.4M | 978273.33 | 978528.80 | 19.68 | 80.06 | 0.00 | 0.00 | 1.02 | -81.09 | 0.28 | BD133 |
| BD134 | 18 0.570 | 42 28.900 | 748.2M | 978296.94 | 978525.58 | 2.32 | 81.40 | 0.00 | 0.00 | 0.90 | 82.30 | 0.82 | BD134 |
| BD135 | 18 2.980 | 42 32.000 | 1067.1M | 978238.69 | 978527.71 | 40.35 | 79.06 | 0.00 | 0.00 | 1.16 | -80.22 | 0.33 | BD135 |
| BD136 | 18 6.880 | 42 28.470 | 1492.7M | 978159.13 | 978531.17 | 88.65 | 78.38 | 0.00 | 0.00 | 1.40 | -79.78 | 0.28 | BD136 |
| BD137 | 18 11.510 | 42 26.030 | 2590.7M | 977954.79 | 978535.29 | 218.85 | 71.04 | 0.00 | 0.00 | 1.42 | 72.47 | 0.47 | BD137 |
| BD138 | 18 8.800 | 42 22.080 | 1086.7M | 978232.86 | 978532.88 | 35.40 | 86.20 | 0.00 | 0.00 | 1.17 | -87.37 | 0.38 | BD138 |
| BD139 | 18 4.910 | 42 16.650 | 631.1M | 978312.64 | 978529.42 | 21.97 | -92.56 | 0.00 | 0.00 | 0.78 | -93.37 | 0.41 | BD139 |
| BD140 | 18 1.010 | 42 19.750 | 846.0M | 978276.23 | 978526.68 | 10.70 | 83.97 | 0.00 | 0.00 | 0.99 | -84.95 | 0.28 | BD140 |
| BD141 | 17 58.090 | 42 22.640 | 558.7M | 978332.71 | 978523.39 | 18.21 | -80.73 | 0.00 | 0.00 | 0.71 | -81.44 | 0.35 | BD141 |
| BD142 | 17 57.900 | 42 13.810 | 240.3M | 978392.10 | 978523.22 | 56.94 | -83.83 | 0.00 | 0.00 | 0.33 | 84.16 | 0.38 | BD142 |
| BD143 | 18 2.390 | 42 11.970 | 272.4M | 978382.04 | 978527.19 | 61.05 | 91.53 | 0.00 | 0.00 | 0.37 | 91.90 | 0.28 | BD143 |
| BD145 | 17 58.530 | 42 7.500 | 189.0M | 978413.56 | 978523.78 | -51.87 | 73.02 | 0.00 | 0.00 | 0.26 | -73.28 | 0.50 | BD145 |
| BD146 | 17 48.130 | 42 9.490 | 68.5M | 978489.76 | 978514.64 | -3.73 | 11.40 | 0.00 | 0.00 | 0.10 | 11.50 | 0.23 | BD146 |
| BD147 | 17 54.120 | 42 18.730 | 196.6M | 978402.46 | 978519.89 | 56.74 | -78.73 | 0.00 | 0.00 | 0.27 | -79.01 | 0.33 | BD147 |
| BD148 | 18 2.700 | 41 51.250 | 90.2M | 978474.44 | 978527.46 | 24.96 | -35.13 | 0.00 | 0.00 | 0.13 | -35.26 | 0.82 | BD148 |
| BD149 | 18 5.790 | 41 56.830 | 186.5M | 978435.07 | 978530.20 | 37.55 | 50.42 | 0.00 | 0.00 | 0.26 | 50.68 | 0.98 | BD149 |
| BD150 | 18 9.810 | 41 53.310 | 215.8M | 978439.40 | 978533.78 | 27.76 | 51.90 | 0.00 | 0.00 | 0.30 | -52.20 | 0.85 | BD150 |
| BD151 | 18 7.330 | 41 47.840 | 111.8M | 978470.36 | 978531.57 | 26.70 | 39.21 | 0.00 | 0.00 | 0.16 | 39.37 | 0.82 | BD151 |
| BD152 | 18 4.690 | 41 43.520 | 163.4M | 978477.03 | 978529.23 | 1.75 | -20.03 | 0.00 | 0.00 | 0.23 | -20.26 | 0.85 | BD152 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map–Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD153 | 17 59.540 | 41 46.110 | 58.6M | 978501.44 | 978524.67 | 5.14 | 11.69 | 0.00 | 0.00 | 0.00 | 11.78 | 1.08 | BD153 |
| BD154 | 17 55.330 | 41 49.230 | 90.7M | 978505.16 | 978520.96 | 12.20 | 2.05 | 0.00 | 0.00 | 0.13 | 1.92 | 1.14 | BD154 |
| BD155 | 17 58.330 | 41 53.490 | 82.5M | 978483.16 | 978523.60 | 14.97 | 24.20 | 0.00 | 0.00 | 0.12 | 24.32 | 1.17 | BD155 |
| BD156 | 18 1.730 | 41 59.580 | 149.7M | 978436.24 | 978526.61 | -44.15 | 60.90 | 0.00 | 0.00 | 0.21 | -61.11 | 1.04 | BD156 |
| BD157 | 18 14.260 | 42 9.810 | 769.7M | 978287.64 | 978537.75 | -12.51 | -98.64 | 0.00 | 0.00 | 0.92 | -99.56 | 1.01 | BD157 |
| BD158 | 18 18.980 | 42 7.020 | 768.7M | 978301.48 | 978541.97 | -3.22 | 89.23 | 0.00 | 0.00 | 0.92 | -90.15 | 1.11 | BD158 |
| BD159 | 18 22.040 | 42 11.410 | 1186.5M | 978237.03 | 978544.72 | 58.52 | -74.24 | 0.00 | 0.00 | 1.24 | 75.48 | 1.17 | BD159 |
| BD160 | 18 25.410 | 42 15.700 | 1172.2M | 978238.81 | 978547.75 | 52.85 | -78.31 | 0.00 | 0.00 | 1.23 | -79.54 | 1.04 | BD160 |
| BD161 | 18 17.720 | 42 14.570 | 1044.3M | 978255.47 | 978540.84 | 36.96 | -79.90 | 0.00 | 0.00 | 1.14 | -81.04 | 1.01 | BD161 |
| BD162 | 18 13.990 | 42 17.430 | 1299.3M | 978193.33 | 978537.50 | 56.84 | -88.55 | 0.00 | 0.00 | 1.31 | 89.86 | 1.04 | BD162 |
| BD163 | 18 9.850 | 42 12.880 | 638.3M | 978310.42 | 978533.81 | -26.35 | -97.78 | 0.00 | 0.00 | 0.79 | -98.57 | 1.08 | BD163 |
| BD164 | 18 7.950 | 42 8.600 | 376.3M | 978360.78 | 978532.12 | -55.17 | 97.28 | 0.00 | 0.00 | 0.50 | -97.78 | 1.11 | BD164 |
| BD165 | 18 12.550 | 42 5.530 | 426.8M | 978361.59 | 978536.22 | 42.87 | 90.63 | 0.00 | 0.00 | 0.56 | -91.19 | 0.98 | BD165 |
| BD166 | 18 8.660 | 42 1.200 | 269.7M | 978405.60 | 978532.75 | 43.89 | 74.07 | 0.00 | 0.00 | 0.37 | -74.44 | 0.98 | BD166 |
| BD167 | 18 12.800 | 41 58.090 | 712.3M | 978327.55 | 978536.44 | 10.98 | 68.72 | 0.00 | 0.00 | 0.86 | -69.58 | 1.11 | BD167 |
| BD168 | 18 18.610 | 42 3.120 | 901.7M | 978279.06 | 978541.64 | 15.74 | 85.15 | 0.00 | 0.00 | 1.03 | -86.19 | 1.04 | BD168 |
| BD169 | 18 5.220 | 42 4.760 | 204.3M | 978408.59 | 978529.70 | -58.04 | -80.90 | 0.00 | 0.00 | 0.28 | -81.19 | 0.98 | BD169 |
| BD170 | 18 16.030 | 41 42.800 | 236.2M | 978452.33 | 978539.33 | -14.08 | 40.51 | 0.00 | 0.00 | 0.33 | -40.83 | 0.30 | BD170 |
| BD171 | 18 13.090 | 41 37.590 | 171.7M | 978495.25 | 978536.70 | 11.55 | -7.66 | 0.00 | 0.00 | 0.24 | -7.90 | 0.36 | BD171 |
| BD172 | 18 17.890 | 41 34.030 | 108.1M | 978518.32 | 978540.99 | 10.70 | -1.39 | 0.00 | 0.00 | 0.15 | -1.55 | 0.30 | BD172 |
| BD173 | 18 8.840 | 41 41.070 | 126.5M | 978492.23 | 978532.91 | -1.63 | 15.78 | 0.00 | 0.00 | 0.18 | -15.96 | 0.38 | BD173 |
| BD174 | 18 11.960 | 41 46.050 | 183.8M | 978458.53 | 978535.69 | 20.42 | 40.98 | 0.00 | 0.00 | 0.26 | -41.24 | 0.38 | BD174 |
| BD175 | 18 14.740 | 41 49.740 | 326.1M | 978424.97 | 978538.18 | -12.53 | 49.02 | 0.00 | 0.00 | 0.44 | -49.46 | 0.30 | BD175 |
| BD176 | 18 19.520 | 41 47.350 | 349.2M | 978441.38 | 978542.46 | 6.76 | -32.33 | 0.00 | 0.00 | 0.47 | -32.79 | 0.38 | BD176 |
| BD177 | 18 24.310 | 41 43.760 | 382.9M | 978439.22 | 978546.76 | 10.66 | -32.19 | 0.00 | 0.00 | 0.51 | -32.69 | 0.56 | BD177 |
| BD178 | 18 21.120 | 41 38.700 | 280.6M | 978470.53 | 978543.89 | 13.26 | 18.14 | 0.00 | 0.00 | 0.38 | -18.52 | 0.33 | BD178 |
| BD179 | 18 26.590 | 41 56.980 | 682.4M | 978341.32 | 978540.82 | 2.15 | -73.21 | 0.00 | 0.00 | 0.83 | -74.05 | 0.66 | BD179 |
| BD180 | 18 26.660 | 41 49.290 | 430.0M | 978410.42 | 978548.88 | -5.72 | 53.84 | 0.00 | 0.00 | 0.56 | 54.40 | 0.69 | BD180 |
| BD181 | 18 22.630 | 41 51.740 | 707.6M | 978346.01 | 978545.25 | 17.18 | -60.00 | 0.00 | 0.00 | 0.86 | -60.85 | 0.75 | BD181 |
| BD182 | 18 18.120 | 41 54.940 | 551.1M | 978367.98 | 978541.20 | 3.10 | -64.77 | 0.00 | 0.00 | 0.70 | -65.47 | 0.69 | BD182 |
| BD183 | 18 21.530 | 41 58.520 | 567.5M | 978353.21 | 978544.26 | -15.87 | -79.37 | 0.00 | 0.00 | 0.72 | -80.09 | 0.69 | BD183 |
| BD184 | 18 24.330 | 42 4.320 | 579.3M | 978339.11 | 978546.78 | -28.85 | 93.67 | 0.00 | 0.00 | 0.73 | -94.40 | 0.69 | BD184 |
| BD185 | 18 28.680 | 42 1.220 | 464.5M | 978372.08 | 978550.70 | 35.24 | -87.21 | 0.00 | 0.00 | 0.60 | -87.82 | 0.72 | BD185 |
| BD186 | 18 33.600 | 41 58.470 | 356.6M | 978399.26 | 978555.23 | -45.80 | -85.79 | 0.00 | 0.00 | 0.48 | -86.26 | 0.66 | BD186 |
| BD187 | 18 31.030 | 41 54.080 | 321.5M | 978416.13 | 978552.83 | -22.01 | -63.58 | 0.00 | 0.00 | 0.50 | -64.08 | 0.66 | BD187 |
| BD188 | 18 31.830 | 42 6.700 | 566.3M | 978344.24 | 978553.56 | -34.51 | -97.87 | 0.00 | 0.00 | 0.72 | -98.59 | 0.75 | BD188 |
| BD189 | 18 35.900 | 42 2.010 | 462.7M | 978371.13 | 978557.25 | -43.28 | -95.05 | 0.00 | 0.00 | 0.60 | -95.66 | 0.75 | BD189 |
| BD190 | 18 39.570 | 42 7.290 | 596.6M | 978337.06 | 978560.59 | -39.36 | 106.12 | 0.00 | 0.00 | 0.75 | 106.87 | 0.75 | BD190 |
| BD191 | 18 34.660 | 42 10.830 | 995.6M | 978272.19 | 978556.12 | 23.37 | 88.03 | 0.00 | 0.00 | 1.11 | -89.14 | 0.98 | BD191 |
| BD192 | 18 32.240 | 42 18.740 | 1182.9M | 978233.24 | 978553.93 | 44.42 | -87.95 | 0.00 | 0.00 | 1.24 | 89.18 | 0.75 | BD192 |
| BD193 | 18 27.030 | 42 8.850 | 661.2M | 978333.27 | 978549.21 | -11.85 | 85.83 | 0.00 | 0.00 | 0.81 | -86.65 | 0.79 | BD193 |
| BD194 | 18 30.650 | 42 13.970 | 936.5M | 978280.13 | 978552.49 | 14.71 | -88.09 | 0.00 | 0.00 | 1.06 | -89.15 | 0.79 | BD194 |
| BD195 | 18 48.540 | 42 1.550 | 457.0M | 978372.73 | 978568.79 | -54.99 | 106.12 | 0.00 | 0.00 | 0.60 | -106.72 | 0.88 | BD195 |
| BD196 | 18 52.380 | 41 58.680 | 387.1M | 978397.18 | 978572.32 | 55.64 | -98.96 | 0.00 | 0.00 | 0.51 | -99.47 | 0.92 | BD196 |
| BD197 | 18 56.120 | 42 3.360 | 650.0M | 978335.12 | 978575.77 | 40.00 | -112.73 | 0.00 | 0.00 | 0.80 | -113.53 | 0.98 | BD197 |
| BD198 | 18 50.860 | 42 5.050 | 682.1M | 978334.51 | 978570.92 | 25.86 | -102.19 | 0.00 | 0.00 | 0.83 | -103.02 | 1.01 | BD198 |
| BD199 | 18 48.020 | 42 9.040 | 819.0M | 978297.09 | 978568.31 | 10.42 | -110.06 | 0.00 | 0.00 | 0.96 | -111.03 | 1.31 | BD199 |
| BD200 | 18 44.300 | 42 3.830 | 522.6M | 978356.83 | 978564.91 | 46.75 | -105.23 | 0.00 | 0.00 | 0.67 | -105.90 | 1.21 | BD200 |
| BD201 | 18 41.430 | 41 59.380 | 363.7M | 978394.77 | 978562.28 | 55.24 | -95.94 | 0.00 | 0.00 | 0.49 | -96.42 | 1.04 | BD201 |
| BD202 | 18 45.490 | 41 56.190 | 333.1M | 978407.00 | 978566.00 | 56.16 | -93.43 | 0.00 | 0.00 | 0.45 | -93.88 | 0.72 | BD202 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD203 | 18 49.930 | 41 53.570 | 276.0M | 978422.74 | 978570.07 | -62.12 | 93.00 | 0.00 | 0.00 | 0.38 | -93.38 | 0.92 | BD203 |
| BD204 | 18 39.250 | 41 46.120 | 221.9M | 978459.53 | 978560.30 | 32.26 | -57.09 | 0.00 | 0.00 | 0.31 | -57.40 | 0.66 | BD204 |
| BD205 | 18 44.250 | 41 43.930 | 151.2M | 978476.06 | 978564.86 | -42.12 | -59.04 | 0.00 | 0.00 | 0.21 | -59.25 | 0.69 | BD205 |
| BD206 | 18 47.420 | 41 48.720 | 243.9M | 978444.73 | 978567.76 | -47.74 | 75.03 | 0.00 | 0.00 | 0.34 | -75.37 | 0.66 | BD206 |
| BD207 | 18 42.380 | 41 52.150 | 252.3M | 978435.70 | 978563.15 | 49.57 | 77.80 | 0.00 | 0.00 | 0.35 | -78.14 | 0.66 | BD207 |
| BD208 | 18 37.890 | 41 54.030 | 299.6M | 978425.71 | 978559.06 | 40.86 | -74.38 | 0.00 | 0.00 | 0.41 | -74.79 | 0.72 | BD208 |
| BD209 | 18 35.060 | 41 50.140 | 345.0M | 978426.77 | 978556.48 | -23.21 | 61.81 | 0.00 | 0.00 | 0.46 | -62.28 | 0.79 | BD209 |
| BD210 | 18 31.950 | 41 45.460 | 438.1M | 978427.30 | 978553.66 | 8.88 | -40.14 | 0.00 | 0.00 | 0.57 | -40.72 | 0.72 | BD210 |
| BD211 | 18 36.510 | 41 41.070 | 429.5M | 978424.94 | 978557.80 | -0.28 | 48.34 | 0.00 | 0.00 | 0.56 | -48.90 | 0.60 | BD211 |
| BD212 | 18 40.690 | 41 39.070 | 234.2M | 978474.23 | 978561.61 | -15.08 | -41.28 | 0.00 | 0.00 | 0.32 | -41.61 | 0.66 | BD212 |
| BD213 | 18 30.800 | 41 32.710 | 177.5M | 978496.24 | 978552.62 | -1.58 | -21.45 | 0.00 | 0.00 | 0.25 | -21.70 | 0.60 | BD213 |
| BD214 | 18 35.050 | 41 29.230 | 68.1M | 978523.47 | 978556.48 | -11.98 | -19.60 | 0.00 | 0.00 | 0.10 | 19.70 | 0.75 | BD214 |
| BD215 | 18 38.400 | 41 34.710 | 132.1M | 978505.83 | 978559.52 | -12.91 | -27.69 | 0.00 | 0.00 | 0.19 | 27.88 | 0.63 | BD215 |
| BD216 | 18 32.930 | 41 37.530 | 275.2M | 978462.05 | 978554.55 | -7.54 | -38.34 | 0.00 | 0.00 | 0.38 | 38.71 | 0.63 | BD216 |
| BD217 | 18 28.840 | 41 40.520 | 337.3M | 978454.05 | 978550.85 | 7.33 | -30.41 | 0.00 | 0.00 | 0.45 | -30.87 | 0.66 | BD217 |
| BD218 | 18 25.460 | 41 36.110 | 273.1M | 978473.39 | 978547.80 | 9.90 | 20.66 | 0.00 | 0.00 | 0.37 | -21.03 | 0.72 | BD218 |
| BD219 | 18 22.930 | 41 32.250 | 141.6M | 978516.72 | 978545.52 | 14.92 | -0.93 | 0.00 | 0.00 | 0.20 | -1.13 | 0.66 | BD219 |
| BD220 | 18 46.430 | 41 27.940 | 59.3M | 978541.19 | 978566.86 | -7.36 | -14.00 | 0.00 | 0.00 | 0.09 | -14.08 | 0.31 | BD220 |
| BD221 | 18 38.360 | 41 18.630 | 6.5M | 978580.88 | 978559.49 | 23.40 | 22.67 | 0.00 | 0.00 | 0.01 | 22.66 | 0.54 | BD221 |
| BD222 | 18 48.420 | 41 20.360 | 28.0M | 978582.38 | 978568.68 | 22.35 | 19.21 | 0.00 | 0.00 | 0.04 | 19.17 | 0.47 | BD222 |
| BD223 | 18 51.620 | 41 24.660 | 62.4M | 978545.84 | 978571.62 | 6.51 | 13.49 | 0.00 | 0.00 | 0.09 | -13.58 | 0.36 | BD223 |
| BD224 | 18 54.390 | 41 29.830 | 157.3M | 978518.06 | 978574.17 | 7.55 | -25.15 | 0.00 | 0.00 | 0.22 | -25.37 | 0.39 | BD224 |
| BD225 | 18 49.750 | 41 32.410 | 164.1M | 978512.25 | 978569.90 | -6.99 | -25.35 | 0.00 | 0.00 | 0.23 | -25.58 | 0.57 | BD225 |
| BD226 | 18 46.030 | 41 35.780 | 91.0M | 978515.89 | 978566.49 | -22.26 | -32.53 | 0.00 | 0.00 | 0.13 | 32.66 | 0.47 | BD226 |
| BD227 | 18 41.890 | 41 31.820 | 108.7M | 978523.61 | 978562.70 | -5.53 | 17.70 | 0.00 | 0.00 | 0.15 | -17.85 | 0.63 | BD227 |
| BD228 | 18 40.150 | 41 26.760 | 45.1M | 978546.43 | 978561.12 | -0.76 | 5.81 | 0.00 | 0.00 | 0.07 | -5.87 | 0.33 | BD228 |
| BD229 | 18 57.060 | 41 43.040 | 214.0M | 978446.65 | 978576.63 | 63.92 | -87.86 | 0.00 | 0.00 | 0.30 | -88.16 | 0.76 | BD229 |
| BD230 | 18 59.470 | 41 47.800 | 278.8M | 978423.52 | 978578.86 | -69.27 | -100.47 | 0.00 | 0.00 | 0.38 | -100.85 | 0.76 | BD230 |
| BD231 | 19 3.710 | 41 44.100 | 538.3M | 978366.28 | 978582.79 | 50.34 | -110.57 | 0.00 | 0.00 | 0.69 | -111.26 | 0.76 | BD231 |
| BD232 | 19 0.540 | 41 39.680 | 167.3M | 978460.01 | 978579.85 | 68.19 | 86.91 | 0.00 | 0.00 | 0.24 | -87.15 | 0.76 | BD232 |
| BD233 | 18 57.250 | 41 34.340 | 164.4M | 978482.47 | 978576.81 | 43.59 | 61.98 | 0.00 | 0.00 | 0.23 | -62.21 | 0.76 | BD233 |
| BD234 | 18 53.050 | 41 30.280 | 263.5M | 978453.87 | 978572.94 | 37.72 | 67.21 | 0.00 | 0.00 | 0.36 | -67.57 | 0.76 | BD234 |
| BD235 | 18 48.310 | 41 40.840 | 145.4M | 978485.45 | 978568.58 | 38.24 | -54.51 | 0.00 | 0.00 | 0.21 | -54.72 | 0.79 | BD235 |
| BD236 | 18 52.240 | 41 45.960 | 287.2M | 978438.38 | 978572.19 | 45.14 | 77.28 | 0.00 | 0.00 | 0.39 | -77.67 | 0.76 | BD236 |
| BD237 | 18 55.160 | 41 50.900 | 306.5M | 978420.92 | 978574.88 | -59.34 | -93.63 | 0.00 | 0.00 | 0.42 | -94.05 | 0.76 | BD237 |
| BD238 | 19 5.110 | 41 57.010 | 458.0M | 978399.61 | 978584.09 | -43.09 | -94.34 | 0.00 | 0.00 | 0.60 | -94.94 | 0.85 | BD238 |
| BD239 | 19 0.610 | 41 59.210 | 589.5M | 978367.89 | 978579.92 | 30.05 | -96.02 | 0.00 | 0.00 | 0.74 | 96.76 | 0.98 | BD239 |
| BD240 | 19 3.220 | 42 3.660 | 994.6M | 978278.14 | 978582.34 | 2.80 | -108.50 | 0.00 | 0.00 | 1.11 | 109.61 | 1.21 | BD240 |
| BD241 | 19 8.610 | 42 2.380 | 823.0M | 978321.73 | 978587.35 | -11.50 | -103.67 | 0.00 | 0.00 | 0.97 | -104.64 | 1.21 | BD241 |
| BD242 | 19 7.950 | 41 58.790 | 632.8M | 978397.36 | 978586.73 | 5.97 | -64.84 | 0.00 | 0.00 | 0.78 | -65.62 | 0.98 | BD242 |
| BD243 | 19 12.570 | 41 58.080 | 684.2M | 978355.63 | 978591.04 | -24.21 | 100.77 | 0.00 | 0.00 | 0.84 | -101.61 | 0.98 | BD243 |
| BD244 | 19 10.380 | 41 54.170 | 505.6M | 978387.10 | 978589.00 | -45.82 | -102.39 | 0.00 | 0.00 | 0.65 | -103.04 | 0.88 | BD244 |
| BD245 | 19 5.810 | 41 49.710 | 330.4M | 978420.50 | 978584.74 | -62.25 | 99.22 | 0.00 | 0.00 | 0.45 | 99.66 | 0.85 | BD245 |
| BD246 | 19 2.350 | 41 51.830 | 361.9M | 978409.90 | 978581.53 | 59.91 | 100.40 | 0.00 | 0.00 | 0.48 | -100.89 | 0.85 | BD246 |
| BD247 | 18 57.380 | 41 55.590 | 384.0M | 978409.27 | 978576.93 | 49.12 | -92.09 | 0.00 | 0.00 | 0.51 | -92.60 | 0.88 | BD247 |
| BD248 | 19 3.820 | 41 23.220 | 121.6M | 978527.20 | 978582.89 | -18.15 | 31.76 | 0.00 | 0.00 | 0.17 | -31.93 | 0.21 | BD248 |
| BD249 | 19 1.250 | 41 19.070 | 54.2M | 978564.89 | 978580.51 | 1.12 | -4.95 | 0.00 | 0.00 | 0.08 | -5.03 | 0.31 | BD249 |
| BD250 | 18 56.960 | 41 17.580 | 39.1M | 978593.44 | 978576.54 | 28.97 | 24.60 | 0.00 | 0.00 | 0.06 | 24.54 | 0.23 | BD250 |
| BD251 | 18 53.350 | 41 18.310 | 41.0M | 978590.73 | 978573.21 | 30.18 | 25.59 | 0.00 | 0.00 | 0.06 | 25.53 | 0.24 | BD251 |
| BD252 | 18 55.370 | 41 22.880 | 63.9M | 978552.51 | 978575.07 | 2.84 | -9.99 | 0.00 | 0.00 | 0.09 | 10.08 | 0.21 | BD252 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD253 | 18 58.630 | 41 26.930 | 97.1M | 978526.69 | 978578.08 | 21.41 | 32.20 | 0.00 | 0.00 | 0.14 | 32.42 | 0.26 | BD253 |
| BD254 | 19 2.170 | 41 32.260 | 133.1M | 978493.36 | 978581.36 | -46.91 | -61.81 | 0.00 | 0.00 | 0.19 | -62.00 | 0.45 | BD254 |
| BD255 | 19 6.680 | 41 27.480 | 185.5M | 978491.35 | 978585.55 | 36.93 | 57.69 | 0.00 | 0.00 | 0.26 | 57.94 | 0.69 | BD255 |
| BD256 | 19 11.650 | 41 25.530 | 144.6M | 978502.38 | 978590.18 | -43.16 | -59.34 | 0.00 | 0.00 | 0.20 | -59.54 | 0.57 | BD256 |
| BD257 | 19 8.390 | 41 20.240 | 95.3M | 978544.08 | 978587.14 | -13.64 | -24.30 | 0.00 | 0.00 | 0.14 | 24.44 | 0.28 | BD257 |
| BD258 | 19 5.610 | 41 16.050 | 37.4M | 978569.54 | 978584.55 | 3.46 | -7.65 | 0.00 | 0.00 | 0.05 | -7.70 | 0.39 | BD258 |
| BD259 | 19 13.820 | 41 37.480 | 265.9M | 978437.03 | 978592.21 | -73.09 | -102.84 | 0.00 | 0.00 | 0.36 | -103.21 | 0.69 | BD259 |
| BD260 | 19 9.960 | 41 33.820 | 203.4M | 978463.26 | 978588.60 | -62.55 | 85.31 | 0.00 | 0.00 | 0.28 | -85.60 | 0.76 | BD260 |
| BD261 | 19 5.770 | 41 32.110 | 196.3M | 978453.44 | 978584.70 | -70.66 | -92.63 | 0.00 | 0.00 | 0.27 | -92.90 | 0.76 | BD261 |
| BD262 | 19 9.680 | 41 41.790 | 733.0M | 978325.72 | 978588.34 | 36.37 | -118.39 | 0.00 | 0.00 | 0.88 | -119.27 | 0.88 | BD262 |
| BD263 | 19 10.660 | 41 47.120 | 362.7M | 978403.64 | 978589.26 | -73.65 | 114.23 | 0.00 | 0.00 | 0.48 | -114.72 | 0.76 | BD263 |
| BD264 | 19 15.850 | 41 41.810 | 483.7M | 978387.56 | 978594.11 | 57.23 | -111.35 | 0.00 | 0.00 | 0.63 | -111.98 | 0.76 | BD264 |
| BD265 | 19 20.380 | 41 39.200 | 401.5M | 978415.47 | 978590.36 | -58.94 | -103.87 | 0.00 | 0.00 | 0.53 | -104.40 | 0.82 | BD265 |
| BD266 | 19 17.420 | 41 35.230 | 262.1M | 978454.22 | 978595.58 | -60.44 | -89.77 | 0.00 | 0.00 | 0.36 | -90.13 | 0.72 | BD266 |
| BD267 | 19 14.050 | 41 31.150 | 196.7M | 978479.15 | 978592.42 | 52.55 | -74.56 | 0.00 | 0.00 | 0.27 | 74.83 | 0.72 | BD267 |
| BD268 | 19 22.300 | 41 51.460 | 631.5M | 978378.34 | 978600.16 | 26.88 | -97.55 | 0.00 | 0.00 | 0.78 | 98.33 | 0.82 | BD268 |
| BD269 | 19 19.170 | 41 47.050 | 577.5M | 978377.15 | 978597.22 | 41.81 | -106.43 | 0.00 | 0.00 | 0.73 | -107.16 | 0.82 | BD269 |
| BD270 | 19 14.270 | 41 51.610 | 774.6M | 978337.72 | 978592.63 | -15.81 | -102.48 | 0.00 | 0.00 | 0.92 | -103.41 | 0.82 | BD270 |
| BD271 | 19 17.440 | 41 54.880 | 683.6M | 978356.35 | 978595.60 | 28.24 | 104.73 | 0.00 | 0.00 | 0.84 | 105.57 | 0.92 | BD271 |
| BD272 | 19 19.550 | 42 0.330 | 1037.3M | 978290.95 | 978597.58 | 13.54 | 102.54 | 0.00 | 0.00 | 1.14 | -103.67 | 0.82 | BD272 |
| BD273 | 19 24.060 | 41 56.210 | 901.6M | 978315.12 | 978601.82 | -8.41 | -109.29 | 0.00 | 0.00 | 1.03 | -110.33 | 0.82 | BD273 |
| BD274 | 19 28.790 | 41 52.310 | 831.7M | 978328.52 | 978606.28 | 21.04 | -114.10 | 0.00 | 0.00 | 0.97 | -115.08 | 0.82 | BD274 |
| BD275 | 19 34.080 | 41 49.980 | 847.6M | 978329.15 | 978611.29 | 20.52 | -115.36 | 0.00 | 0.00 | 0.99 | -116.35 | 0.85 | BD275 |
| BD276 | 19 26.920 | 41 48.670 | 589.1M | 978378.87 | 978604.51 | -43.80 | -109.72 | 0.00 | 0.00 | 0.74 | -110.46 | 0.85 | BD276 |
| BD277 | 19 23.280 | 41 43.200 | 604.5M | 978366.62 | 978601.08 | 47.86 | -115.50 | 0.00 | 0.00 | 0.76 | -116.26 | 0.85 | BD277 |
| BD278 | 19 15.870 | 41 21.690 | 119.6M | 978519.73 | 978594.13 | -37.47 | -50.85 | 0.00 | 0.00 | 0.17 | -51.02 | 0.42 | BD278 |
| BD279 | 19 13.060 | 41 16.720 | 71.3M | 978555.58 | 978591.50 | -13.91 | 21.89 | 0.00 | 0.00 | 0.10 | -21.99 | 0.42 | BD279 |
| BD280 | 19 9.860 | 41 0.860 | 17.9M | 978596.30 | 978588.51 | 13.32 | 11.31 | 0.00 | 0.00 | 0.03 | 11.29 | 0.48 | BD280 |
| BD281 | 19 21.760 | 41 17.950 | 125.5M | 978521.88 | 978599.65 | -38.03 | -53.07 | 0.00 | 0.00 | 0.18 | -53.25 | 0.54 | BD281 |
| BD282 | 19 23.100 | 41 23.930 | 220.5M | 978482.80 | 978600.91 | -50.05 | 74.72 | 0.00 | 0.00 | 0.31 | -75.03 | 0.48 | BD282 |
| BD283 | 19 27.150 | 41 28.190 | 239.6M | 978474.48 | 978604.73 | 56.29 | -83.10 | 0.00 | 0.00 | 0.33 | -83.43 | 0.51 | BD283 |
| BD284 | 19 21.570 | 41 31.660 | 309.6M | 978443.22 | 978599.47 | 60.68 | 95.32 | 0.00 | 0.00 | 0.42 | 95.74 | 0.42 | BD284 |
| BD285 | 19 19.540 | 41 27.790 | 196.1M | 978480.18 | 978597.57 | -56.85 | -78.79 | 0.00 | 0.00 | 0.27 | -79.07 | 0.60 | BD285 |
| BD286 | 19 32.800 | 41 37.780 | 447.0M | 978427.47 | 978610.08 | -44.62 | 94.64 | 0.00 | 0.00 | 0.58 | 95.22 | 1.01 | BD286 |
| BD287 | 19 29.600 | 41 33.660 | 464.9M | 978432.47 | 978607.05 | 31.06 | -83.08 | 0.00 | 0.00 | 0.60 | 83.69 | 1.08 | BD287 |
| BD288 | 19 34.190 | 41 31.060 | 762.8M | 978384.75 | 978611.40 | 0.81 | 76.54 | 0.00 | 0.00 | 0.91 | 77.45 | 1.21 | BD288 |
| BD289 | 19 38.810 | 41 34.910 | 509.4M | 978420.71 | 978615.79 | -37.83 | -94.83 | 0.00 | 0.00 | 0.65 | -95.48 | 1.14 | BD289 |
| BD290 | 19 40.680 | 41 41.270 | 606.2M | 978377.33 | 978617.57 | -53.11 | -120.95 | 0.00 | 0.00 | 0.76 | -121.70 | 1.05 | BD290 |
| BD291 | 19 43.560 | 41 45.750 | 893.7M | 978314.32 | 978620.32 | -30.14 | -130.15 | 0.00 | 0.00 | 1.03 | -131.17 | 1.27 | BD291 |
| BD292 | 19 43.080 | 41 50.630 | 1032.8M | 978306.12 | 978619.86 | 5.04 | -110.53 | 0.00 | 0.00 | 1.14 | -111.67 | 1.27 | BD292 |
| BD293 | 19 38.970 | 41 48.230 | 809.1M | 978343.74 | 978615.94 | 22.46 | -113.00 | 0.00 | 0.00 | 0.95 | -113.95 | 1.14 | BD293 |
| BD294 | 19 35.030 | 41 43.410 | 508.5M | 978406.46 | 978612.19 | -48.77 | -105.67 | 0.00 | 0.00 | 0.65 | 106.32 | 1.08 | BD294 |
| BD295 | 19 31.010 | 41 47.000 | 736.2M | 978362.65 | 978608.38 | 18.49 | -100.87 | 0.00 | 0.00 | 0.89 | -101.76 | 1.05 | BD295 |
| BD296 | 19 28.070 | 41 41.310 | 462.8M | 978411.83 | 978606.36 | -51.66 | 103.45 | 0.00 | 0.00 | 0.60 | -104.05 | 1.01 | BD296 |
| BD297 | 19 24.630 | 41 36.580 | 339.7M | 978440.66 | 978602.36 | 56.83 | -94.84 | 0.00 | 0.00 | 0.46 | -95.30 | 1.05 | BD297 |
| BD300 | 18 14.380 | 42 49.200 | 2048.7M | 977981.83 | 978537.85 | 76.18 | -153.07 | 0.00 | 0.00 | 1.52 | 154.59 | 0.38 | BD300 |
| BD300A | 18 14.380 | 42 49.200 | 2048.7M | 977981.83 | 978537.85 | 76.18 | 153.07 | 0.00 | 0.00 | 1.52 | -154.59 | 0.38 | BD300A |
| BD301 | 17 42.530 | 43 29.800 | 2170.1M | 977942.28 | 978509.75 | 102.18 | 140.65 | 0.00 | 0.00 | 1.51 | 142.16 | 0.91 | BD301 |
| BD302 | 17 37.070 | 43 29.720 | 2358.0M | 977892.21 | 978505.00 | 114.81 | -149.05 | 0.00 | 0.00 | 1.49 | -150.54 | 0.95 | BD302 |
| BD303 | 17 37.280 | 43 25.170 | 2471.3M | 977853.95 | 978505.19 | 111.30 | -165.23 | 0.00 | 0.00 | 1.46 | -166.69 | 0.91 | BD303 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map–Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD304 | 17 42.170 | 43 24.290 | 2426.5M | 977875.11 | 978509.44 | 114.40 | -157.12 | 0.00 | 0.00 | 1.47 | -158.60 | 0.91 | BD304 |
| BD305 | 17 48.020 | 43 24.230 | 2484.9M | 977860.29 | 978514.54 | 112.48 | 165.58 | 0.00 | 0.00 | 1.46 | -167.03 | 0.91 | BD305 |
| BD306 | 17 47.960 | 43 29.770 | 2271.3M | 977933.07 | 978514.49 | 119.44 | -134.71 | 0.00 | 0.00 | 1.50 | 136.22 | 0.91 | BD306 |
| BD307 | 17 58.560 | 43 24.950 | 2180.9M | 977930.54 | 978523.80 | 79.72 | -164.32 | 0.00 | 0.00 | 1.51 | -165.84 | 0.95 | BD307 |
| BD308 | 18 3.940 | 43 29.690 | 2063.2M | 977960.03 | 978520.56 | 76.14 | -154.72 | 0.00 | 0.00 | 1.52 | -156.24 | 1.04 | BD308 |
| BD309 | 18 3.940 | 43 24.030 | 2128.3M | 977941.77 | 978528.56 | 69.96 | -160.19 | 0.00 | 0.00 | 1.52 | -169.70 | 1.08 | BD309 |
| BD310 | 18 4.210 | 43 18.580 | 2217.2M | 977935.90 | 978528.80 | 91.27 | 156.83 | 0.00 | 0.00 | 1.51 | -158.34 | 1.04 | BD310 |
| BD311 | 17 58.610 | 43 18.980 | 2382.4M | 977902.76 | 978523.85 | 114.03 | -152.56 | 0.00 | 0.00 | 1.48 | -154.04 | 0.98 | BD311 |
| BD312 | 17 53.320 | 43 18.350 | 2500.8M | 977874.13 | 978519.19 | 126.58 | -153.26 | 0.00 | 0.00 | 1.45 | -154.71 | 1.24 | BD312 |
| BD313 | 17 53.340 | 43 24.260 | 2421.6M | 977878.72 | 978519.21 | 106.73 | -164.25 | 0.00 | 0.00 | 1.47 | 165.72 | 1.04 | BD313 |
| BD314 | 17 53.370 | 43 29.940 | 2339.0M | 977915.62 | 978519.23 | 118.13 | -143.60 | 0.00 | 0.00 | 1.49 | -145.09 | 0.95 | BD314 |
| BD315 | 17 58.530 | 43 29.630 | 2275.4M | 977927.92 | 978523.78 | 106.27 | -148.35 | 0.00 | 0.00 | 1.50 | -149.85 | 0.95 | BD315 |
| BD316 | 18 14.480 | 43 24.740 | 2004.0M | 977980.31 | 978537.94 | 60.78 | -163.46 | 0.00 | 0.00 | 1.52 | -164.98 | 1.14 | BD316 |
| BD317 | 18 9.730 | 43 18.010 | 2146.5M | 977955.46 | 978533.71 | 84.12 | -156.07 | 0.00 | 0.00 | 1.52 | -157.58 | 1.17 | BD317 |
| BD318 | 18 9.670 | 43 24.310 | 1982.8M | 977973.39 | 978533.65 | 51.61 | -170.26 | 0.00 | 0.00 | 1.51 | -171.78 | 1.14 | BD318 |
| BD319 | 18 9.570 | 43 29.630 | 1960.4M | 977980.08 | 978533.56 | 52.28 | -167.08 | 0.00 | 0.00 | 1.51 | -168.59 | 1.14 | BD319 |
| BD320 | 18 14.840 | 43 29.510 | 1839.1M | 978014.09 | 978538.26 | 43.37 | -162.42 | 0.00 | 0.00 | 1.50 | -163.92 | 1.21 | BD320 |
| BD321 | 18 19.950 | 43 29.740 | 1787.1M | 978028.67 | 978542.84 | 37.33 | -162.64 | 0.00 | 0.00 | 1.49 | -164.13 | 1.14 | BD321 |
| BD322 | 18 19.480 | 43 24.000 | 2013.0M | 977988.24 | 978542.42 | 67.01 | 158.24 | 0.00 | 0.00 | 1.52 | -159.76 | 1.14 | BD322 |
| BD323 | 18 20.080 | 43 18.840 | 2037.9M | 977987.42 | 978542.96 | 73.33 | -154.70 | 0.00 | 0.00 | 1.52 | 156.22 | 1.14 | BD323 |
| BD324 | 18 14.730 | 43 18.430 | 2153.9M | 977958.89 | 978538.17 | 85.37 | -155.65 | 0.00 | 0.00 | 1.51 | -157.17 | 1.21 | BD324 |
| BD325 | 18 9.080 | 43 7.430 | 2314.7M | 977915.33 | 978533.13 | 96.44 | 162.57 | 0.00 | 0.00 | 1.50 | -164.06 | 0.79 | BD325 |
| BD326 | 18 8.590 | 43 1.570 | 2247.5M | 977926.14 | 978532.69 | 86.96 | -164.53 | 0.00 | 0.00 | 1.51 | -166.03 | 0.85 | BD326 |
| BD327 | 18 14.700 | 43 1.460 | 2162.6M | 977943.67 | 978538.14 | 72.86 | 169.13 | 0.00 | 0.00 | 1.51 | -170.64 | 0.79 | BD327 |
| BD328 | 18 14.760 | 43 7.060 | 2222.9M | 977937.67 | 978538.19 | 85.40 | 163.33 | 0.00 | 0.00 | 1.51 | -164.84 | 0.79 | BD328 |
| BD329 | 18 13.830 | 43 12.640 | 2227.9M | 977944.35 | 978537.36 | 94.46 | -154.84 | 0.00 | 0.00 | 1.51 | -156.35 | 0.91 | BD329 |
| BD330 | 18 9.480 | 43 13.090 | 2302.4M | 977922.84 | 978533.48 | 99.80 | -157.83 | 0.00 | 0.00 | 1.50 | -159.33 | 0.91 | BD330 |
| BD331 | 18 4.540 | 43 13.510 | 2350.8M | 977906.33 | 978529.09 | 102.61 | -160.44 | 0.00 | 0.00 | 1.49 | -161.93 | 0.95 | BD331 |
| BD332 | 18 4.730 | 43 6.190 | 2340.1M | 977903.08 | 978529.26 | 95.89 | 165.96 | 0.00 | 0.00 | 1.49 | -167.45 | 0.72 | BD332 |
| BD333 | 18 4.180 | 43 1.710 | 2360.0M | 977915.15 | 978528.77 | 114.59 | -149.49 | 0.00 | 0.00 | 1.49 | -150.98 | 0.88 | BD333 |
| BD334 | 18 25.870 | 43 24.510 | 1901.3M | 978014.23 | 978548.17 | 52.80 | -159.96 | 0.00 | 0.00 | 1.51 | -161.46 | 1.17 | BD334 |
| BD335 | 18 25.400 | 43 29.660 | 1839.7M | 978033.98 | 978547.74 | 53.97 | 151.89 | 0.00 | 0.00 | 1.50 | -153.39 | 1.21 | BD335 |
| BD336 | 18 25.920 | 43 18.770 | 1939.2M | 978010.75 | 978548.21 | 60.96 | -156.04 | 0.00 | 0.00 | 1.51 | -157.55 | 1.21 | BD336 |
| BD337 | 18 26.140 | 43 7.240 | 2001.9M | 978007.21 | 978548.41 | 76.57 | -147.44 | 0.00 | 0.00 | 1.52 | -148.96 | 0.98 | BD337 |
| BD338 | 18 25.400 | 43 1.570 | 1998.0M | 977993.83 | 978547.74 | 62.64 | -160.93 | 0.00 | 0.00 | 1.51 | -162.45 | 1.01 | BD338 |
| BD339 | 18 19.950 | 43 1.660 | 2108.4M | 977959.54 | 978542.84 | 67.31 | -168.61 | 0.00 | 0.00 | 1.52 | -170.13 | 1.01 | BD339 |
| BD340 | 18 20.330 | 43 7.340 | 2080.3M | 977973.29 | 978543.18 | 74.52 | -159.15 | 0.00 | 0.00 | 1.52 | 160.67 | 1.01 | BD340 |
| BD341 | 18 20.190 | 43 13.180 | 2034.7M | 977992.12 | 978543.06 | 76.94 | -150.74 | 0.00 | 0.00 | 1.52 | -152.26 | 1.01 | BD341 |
| BD342 | 18 25.980 | 43 13.260 | 1938.2M | 978020.70 | 978548.27 | 70.55 | -146.33 | 0.00 | 0.00 | 1.51 | 147.84 | 0.98 | BD342 |
| BD343 | 18 9.810 | 42 49.940 | 2076.6M | 977970.16 | 978533.78 | 77.19 | -155.17 | 0.00 | 0.00 | 1.52 | -156.69 | 0.38 | BD343 |
| BD344 | 18 9.290 | 42 44.860 | 2113.3M | 977970.69 | 978533.31 | 89.50 | -146.97 | 0.00 | 0.00 | 1.52 | -148.49 | 0.44 | BD344 |
| BD345 | 18 14.620 | 42 38.430 | 2075.1M | 978013.06 | 978538.07 | 115.34 | -116.86 | 0.00 | 0.00 | 1.52 | -118.38 | 0.38 | BD345 |
| BD346 | 18 14.240 | 42 33.940 | 2124.0M | 978029.63 | 978537.73 | 147.32 | -90.35 | 0.00 | 0.00 | 1.52 | 91.86 | 0.41 | BD346 |
| BD347 | 18 10.030 | 42 33.800 | 2251.6M | 977997.87 | 978533.97 | 158.68 | 93.27 | 0.00 | 0.00 | 1.51 | 94.78 | 0.69 | BD347 |
| BD348 | 18 9.700 | 42 39.430 | 2162.2M | 977988.98 | 978533.68 | 122.51 | -119.44 | 0.00 | 0.00 | 1.51 | -120.96 | 0.47 | BD348 |
| BD349 | 18 3.720 | 42 44.830 | 2201.5M | 977960.23 | 978528.37 | 111.19 | -135.16 | 0.00 | 0.00 | 1.51 | -136.67 | 0.63 | BD349 |
| BD350 | 18 3.580 | 42 50.570 | 2369.4M | 977916.83 | 978528.24 | 119.70 | -145.43 | 0.00 | 0.00 | 1.49 | -146.92 | 0.66 | BD350 |
| BD351 | 18 4.210 | 42 56.200 | 2251.0M | 977923.81 | 978528.80 | 89.60 | -162.28 | 0.00 | 0.00 | 1.51 | -163.79 | 0.56 | BD351 |
| BD352 | 18 19.380 | 42 55.860 | 2199.8M | 977941.00 | 978542.33 | 77.47 | -168.68 | 0.00 | 0.00 | 1.51 | -170.19 | 0.53 | BD352 |
| BD353 | 18 14.270 | 42 54.830 | 2146.1M | 977952.86 | 978537.76 | 77.35 | 162.80 | 0.00 | 0.00 | 1.52 | -164.31 | 0.44 | BD353 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued**

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD354 | 18 14.810 | 42 44.290 | 2024.7M | 977994.94 | 978538.24 | 81.50 | -145.06 | 0.00 | 0.00 | 1.52 | -146.58 | 0.50 | BD354 |
| BD355 | 18 19.680 | 42 28.030 | 2233.8M | 978009.65 | 978542.60 | 156.34 | 93.62 | 0.00 | 0.00 | 1.51 | -95.13 | 0.44 | BD355 |
| BD356 | 18 20.820 | 42 39.660 | 1959.1M | 978030.70 | 978543.62 | 91.63 | -127.59 | 0.00 | 0.00 | 1.51 | -129.10 | 0.44 | BD356 |
| BD357 | 18 20.240 | 42 33.860 | 2063.6M | 978045.90 | 978543.10 | 139.60 | -91.32 | 0.00 | 0.00 | 1.52 | -92.83 | 0.75 | BD357 |
| BD358 | 18 26.090 | 42 33.690 | 1998.4M | 978044.00 | 978548.37 | 112.32 | -111.30 | 0.00 | 0.00 | 1.52 | -112.82 | 0.47 | BD358 |
| BD359 | 18 26.280 | 42 38.720 | 1938.4M | 978040.87 | 978548.54 | 90.51 | -126.40 | 0.00 | 0.00 | 1.51 | -127.91 | 0.47 | BD359 |
| BD360 | 18 25.920 | 42 45.310 | 1935.8M | 978013.34 | 978548.21 | 62.51 | -154.11 | 0.00 | 0.00 | 1.51 | -155.62 | 0.47 | BD360 |
| BD361 | 18 20.410 | 42 45.230 | 2008.6M | 978007.03 | 978543.26 | 83.61 | -141.15 | 0.00 | 0.00 | 1.52 | -142.67 | 0.47 | BD361 |
| BD362 | 18 9.010 | 42 27.010 | 2673.6M | 977923.61 | 978533.78 | 214.75 | -84.42 | 0.00 | 0.00 | 1.39 | -85.81 | 0.47 | BD362 |
| BD363 | 18 15.760 | 42 21.770 | 2944.5M | 977868.54 | 978539.09 | 237.90 | -91.59 | 0.00 | 0.00 | 1.25 | -92.84 | 0.60 | BD363 |
| BD364 | 18 20.030 | 42 21.740 | 2472.9M | 977981.67 | 978542.91 | 201.78 | -74.93 | 0.00 | 0.00 | 1.46 | -76.39 | 0.44 | BD364 |
| BD365 | 18 25.920 | 42 22.260 | 2403.7M | 977996.57 | 978548.21 | 190.04 | -78.93 | 0.00 | 0.00 | 1.48 | -80.41 | 0.47 | BD365 |
| BD366 | 18 25.860 | 42 27.740 | 2146.2M | 978021.89 | 978548.16 | 136.00 | -104.16 | 0.00 | 0.00 | 1.52 | -105.67 | 0.44 | BD366 |
| BD367 | 18 15.780 | 42 27.430 | 2430.1M | 977979.17 | 978539.11 | 189.89 | -82.03 | 0.00 | 0.00 | 1.47 | -83.50 | 0.47 | BD367 |
| BD368 | 18 20.840 | 42 51.360 | 2027.6M | 977985.08 | 978543.64 | 67.13 | -159.75 | 0.00 | 0.00 | 1.52 | -161.27 | 0.44 | BD368 |
| BD369 | 18 25.900 | 42 51.000 | 1983.5M | 978000.98 | 978548.20 | 64.88 | -157.07 | 0.00 | 0.00 | 1.51 | -158.59 | 0.47 | BD369 |
| BD370 | 18 26.010 | 42 56.710 | 1990.1M | 977998.06 | 978548.29 | 63.89 | -158.80 | 0.00 | 0.00 | 1.51 | -160.31 | 0.47 | BD370 |
| BD371 | 18 20.760 | 42 56.660 | 2060.0M | 977967.77 | 978543.57 | 62.35 | -169.06 | 0.00 | 0.00 | 1.52 | -170.57 | 0.75 | BD371 |
| BD372 | 18 36.220 | 42 32.090 | 1968.4M | 978044.22 | 978557.54 | 94.11 | -126.15 | 0.00 | 0.00 | 1.51 | -127.67 | 0.53 | BD372 |
| BD373 | 18 31.410 | 42 32.200 | 2018.9M | 978030.47 | 978553.17 | 100.30 | -125.61 | 0.00 | 0.00 | 1.52 | -127.12 | 0.57 | BD373 |
| BD374 | 18 32.640 | 42 26.710 | 2160.2M | 978028.26 | 978554.29 | 140.56 | -101.16 | 0.00 | 0.00 | 1.51 | -102.68 | 0.72 | BD374 |
| BD375 | 18 36.980 | 42 26.600 | 2034.9M | 978053.75 | 978558.23 | 123.46 | -104.24 | 0.00 | 0.00 | 1.52 | -105.76 | 0.60 | BD375 |
| BD376 | 18 41.980 | 42 27.000 | 1928.0M | 978089.92 | 978562.79 | 122.35 | -93.48 | 0.00 | 0.00 | 1.51 | -94.99 | 0.53 | BD376 |
| BD377 | 18 42.150 | 42 32.030 | 1854.5M | 978072.38 | 978562.94 | 81.73 | -125.78 | 0.00 | 0.00 | 1.50 | -127.28 | 1.04 | BD377 |
| BD378 | 18 42.610 | 42 32.910 | 1784.4M | 978052.91 | 978563.36 | 40.22 | -159.45 | 0.00 | 0.00 | 1.49 | -160.94 | 0.57 | BD378 |
| BD379 | 18 36.790 | 42 37.800 | 1868.7M | 978033.01 | 978558.06 | 51.63 | -157.47 | 0.00 | 0.00 | 1.50 | -158.97 | 0.69 | BD379 |
| BD380 | 18 31.490 | 42 37.800 | 1952.8M | 978031.39 | 978553.25 | 80.76 | -137.75 | 0.00 | 0.00 | 1.51 | -139.26 | 0.63 | BD380 |
| BD381 | 18 37.150 | 42 49.060 | 1835.1M | 978044.51 | 978558.38 | 52.44 | -152.90 | 0.00 | 0.00 | 1.50 | -154.40 | 0.75 | BD381 |
| BD382 | 18 31.490 | 42 48.710 | 1930.2M | 978027.07 | 978553.25 | 69.47 | -146.52 | 0.00 | 0.00 | 1.51 | -148.03 | 1.14 | BD382 |
| BD383 | 18 31.600 | 42 43.370 | 1883.3M | 978032.26 | 978553.35 | 60.09 | -150.65 | 0.00 | 0.00 | 1.50 | -152.15 | 1.08 | BD383 |
| BD384 | 18 36.980 | 42 43.370 | 1854.8M | 978040.74 | 978558.23 | 54.89 | -152.65 | 0.00 | 0.00 | 1.50 | -154.15 | 0.79 | BD384 |
| BD385 | 18 42.280 | 42 43.170 | 1794.5M | 978044.97 | 978563.06 | 35.70 | -165.10 | 0.00 | 0.00 | 1.49 | -166.59 | 1.04 | BD385 |
| BD386 | 18 42.200 | 42 49.030 | 1796.6M | 978052.56 | 978562.99 | 44.00 | -157.03 | 0.00 | 0.00 | 1.49 | -158.52 | 0.24 | BD386 |
| BD387 | 18 42.310 | 42 54.230 | 1791.6M | 978070.60 | 978563.09 | 60.41 | -140.07 | 0.00 | 0.00 | 1.49 | -141.56 | 1.14 | BD387 |
| BD388 | 18 37.170 | 42 54.080 | 1834.6M | 978049.44 | 978558.40 | 57.19 | -148.10 | 0.00 | 0.00 | 1.50 | -149.59 | 0.88 | BD388 |
| BD389 | 18 31.740 | 42 54.800 | 1909.4M | 978042.14 | 978553.47 | 77.89 | -135.76 | 0.00 | 0.00 | 1.51 | -137.27 | 1.27 | BD389 |
| BD390 | 18 36.900 | 43 6.430 | 1863.7M | 978046.46 | 978558.16 | 63.43 | -145.11 | 0.00 | 0.00 | 1.50 | -146.61 | 1.01 | BD390 |
| BD391 | 18 37.090 | 43 0.230 | 1838.3M | 978046.12 | 978558.33 | 55.09 | -150.62 | 0.00 | 0.00 | 1.50 | -152.11 | 1.24 | BD391 |
| BD392 | 18 42.470 | 42 59.800 | 1784.1M | 978065.46 | 978563.23 | 52.81 | -146.83 | 0.00 | 0.00 | 1.49 | -148.32 | 1.04 | BD392 |
| BD393 | 18 42.230 | 43 6.370 | 1770.7M | 978072.94 | 978563.01 | 54.37 | -141.77 | 0.00 | 0.00 | 1.48 | -143.26 | 1.01 | BD393 |
| BD394 | 18 42.310 | 43 12.370 | 1708.2M | 978081.20 | 978563.09 | 45.28 | -145.86 | 0.00 | 0.00 | 1.47 | -147.33 | 1.08 | BD394 |
| BD395 | 18 37.200 | 43 11.970 | 1772.1M | 978061.40 | 978558.43 | 49.65 | -148.44 | 0.00 | 0.00 | 1.49 | -149.93 | 1.01 | BD395 |
| BD396 | 18 32.150 | 43 12.340 | 1836.2M | 978045.27 | 978553.85 | 58.07 | -147.40 | 0.00 | 0.00 | 1.50 | -148.89 | 1.08 | BD396 |
| BD397 | 18 31.630 | 43 6.660 | 1932.6M | 978024.99 | 978553.37 | 68.01 | -148.25 | 0.00 | 0.00 | 1.51 | -149.76 | 1.11 | BD397 |
| BD398 | 18 31.900 | 42 59.450 | 1892.9M | 978029.79 | 978553.62 | 60.31 | -151.50 | 0.00 | 0.00 | 1.51 | -153.01 | 1.04 | BD398 |
| BD399 | 18 37.040 | 43 23.510 | 1727.5M | 978076.51 | 978558.28 | 51.34 | -141.96 | 0.00 | 0.00 | 1.47 | -143.43 | 1.08 | BD399 |
| BD400 | 18 36.740 | 43 15.340 | 1726.3M | 978064.68 | 978558.01 | 39.41 | -153.76 | 0.00 | 0.00 | 1.47 | -155.23 | 1.08 | BD400 |
| BD401 | 18 42.340 | 43 17.710 | 1668.4M | 978085.61 | 978563.11 | 37.38 | -149.31 | 0.00 | 0.00 | 1.46 | -150.77 | 1.08 | BD401 |
| BD402 | 18 42.470 | 43 23.510 | 1652.2M | 978096.11 | 978563.23 | 42.76 | -142.11 | 0.00 | 0.00 | 1.45 | -143.57 | 1.17 | BD402 |
| BD403 | 18 42.200 | 43 29.860 | 1726.7M | 978087.25 | 978562.99 | 57.13 | -136.08 | 0.00 | 0.00 | 1.47 | -137.56 | 1.08 | BD403 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD404 | 18 36.980 | 43 29.310 | 1914.0M | 978041.73 | 978558.23 | 74.15 | -140.02 | 0.00 | 0.00 | 1.51 | -141.53 | 1.08 | BD404 |
| BD405 | 18 31.680 | 43 29.630 | 1872.5M | 978044.64 | 978553.42 | 69.07 | -140.46 | 0.00 | 0.00 | 1.50 | -141.96 | 1.14 | BD405 |
| BD406 | 18 31.550 | 43 23.510 | 1809.3M | 978031.25 | 978553.30 | 36.30 | -166.15 | 0.00 | 0.00 | 1.49 | -167.65 | 1.17 | BD406 |
| BD407 | 18 31.820 | 43 17.830 | 1831.1M | 978034.86 | 978553.55 | 46.39 | -158.50 | 0.00 | 0.00 | 1.50 | -160.00 | 1.34 | BD407 |
| BD408 | 18 53.450 | 42 21.200 | 2200.0M | 978056.59 | 978573.30 | 162.39 | 83.87 | 0.00 | 0.00 | 1.51 | -85.38 | 0.60 | BD408 |
| BD409 | 18 52.800 | 42 15.740 | 2599.3M | 977976.95 | 978572.71 | 206.24 | 84.62 | 0.00 | 0.00 | 1.42 | -86.04 | 0.60 | BD409 |
| BD410 | 18 48.400 | 42 21.400 | 1971.9M | 978094.34 | 978568.66 | 134.19 | -86.46 | 0.00 | 0.00 | 1.51 | -87.98 | 0.60 | BD410 |
| BD411 | 18 47.470 | 42 15.460 | 2471.3M | 978003.85 | 978567.81 | 198.57 | 77.97 | 0.00 | 0.00 | 1.46 | -79.43 | 0.63 | BD411 |
| BD412 | 18 54.480 | 42 26.000 | 1804.0M | 978118.37 | 978574.25 | 100.83 | -101.03 | 0.00 | 0.00 | 1.49 | -102.52 | 0.60 | BD412 |
| BD413 | 18 48.260 | 42 26.800 | 1803.5M | 978112.62 | 978568.53 | 100.64 | -101.16 | 0.00 | 0.00 | 1.49 | -102.66 | 0.60 | BD413 |
| BD414 | 18 58.800 | 42 26.710 | 1720.6M | 978141.67 | 978578.24 | 94.42 | -98.11 | 0.00 | 0.00 | 1.47 | -99.59 | 0.66 | BD414 |
| BD415 | 18 58.720 | 42 21.290 | 2181.1M | 978062.96 | 978578.17 | 157.82 | -86.24 | 0.00 | 0.00 | 1.51 | -87.75 | 0.60 | BD415 |
| BD416 | 18 37.090 | 42 21.290 | 2436.2M | 977997.43 | 978558.33 | 190.80 | -81.80 | 0.00 | 0.00 | 1.47 | -83.27 | 0.60 | BD416 |
| BD417 | 18 42.930 | 42 20.460 | 2175.7M | 978059.06 | 978563.65 | 166.77 | -76.69 | 0.00 | 0.00 | 1.51 | -78.20 | 0.60 | BD417 |
| BD418 | 18 42.260 | 42 15.690 | 2593.0M | 977977.80 | 978563.04 | 214.81 | -75.34 | 0.00 | 0.00 | 1.42 | -76.76 | 0.60 | BD418 |
| BD419 | 18 37.390 | 42 15.340 | 2704.5M | 977939.01 | 978558.60 | 214.85 | 87.78 | 0.00 | 0.00 | 1.38 | -89.16 | 0.60 | BD419 |
| BD420 | 18 33.020 | 42 22.430 | 2452.0M | 977982.30 | 978554.63 | 184.25 | -90.13 | 0.00 | 0.00 | 1.47 | -91.59 | 0.60 | BD420 |
| BD421 | 18 53.780 | 43 24.450 | 1460.3M | 978155.68 | 978573.61 | 35.22 | -129.08 | 0.00 | 0.00 | 1.39 | -130.47 | 1.21 | BD421 |
| BD422 | 18 59.460 | 43 25.090 | 1408.5M | 978181.69 | 978578.85 | 37.54 | -120.07 | 0.00 | 0.00 | 1.36 | -121.43 | 1.21 | BD422 |
| BD423 | 18 58.[illegible] | 43 20.820 | 1399.4M | 978177.13 | 978578.05 | 30.98 | -125.61 | 0.00 | 0.00 | 1.36 | -126.96 | 1.21 | BD423 |
| BD424 | 18 52.[illegible] | 43 29.830 | 1620.4M | 978114.66 | 978572.60 | 44.60 | -137.62 | 0.00 | 0.00 | 1.45 | -139.06 | 1.34 | BD424 |
| BD425 | 18 47.[illegible] | 43 29.940 | 1621.5M | 978118.28 | 978568.01 | 50.69 | -130.75 | 0.00 | 0.00 | 1.45 | -132.20 | 1.24 | BD425 |
| BD426 | 18 47.260 | 43 23.390 | 1549.6M | 978127.80 | 978567.62 | 38.42 | -134.97 | 0.00 | 0.00 | 1.42 | -136.39 | 1.27 | BD426 |
| BD427 | 18 47.580 | 43 16.840 | 1590.0M | 978111.38 | 978567.91 | 34.16 | -143.75 | 0.00 | 0.00 | 1.43 | -145.19 | 1.34 | BD427 |
| BD428 | 18 53.020 | 43 17.460 | 1516.9M | 978131.10 | 978572.91 | 26.34 | -143.40 | 0.00 | 0.00 | 1.41 | -144.81 | 1.24 | BD428 |
| BD429 | 18 58.670 | 43 17.900 | 1438.6M | 978169.13 | 978578.12 | 35.00 | -125.98 | 0.00 | 0.00 | 1.37 | -127.35 | 1.31 | BD429 |
| BD430 | 18 53.400 | 42 37.970 | 1702.1M | 978095.53 | 978573.26 | 47.56 | -142.91 | 0.00 | 0.00 | 1.47 | -144.37 | 0.57 | BD430 |
| BD431 | 18 52.910 | 42 31.890 | 1727.4M | 978108.25 | 978572.81 | 48.52 | -124.77 | 0.00 | 0.00 | 1.47 | -126.24 | 0.72 | BD431 |
| BD432 | 18 47.720 | 42 32.190 | 1829.3M | 978084.46 | 978568.04 | 80.94 | -123.75 | 0.00 | 0.00 | 1.50 | -125.25 | 1.14 | BD432 |
| BD433 | 18 47.530 | 42 38.600 | 1720.3M | 978073.25 | 978567.86 | 38.75 | -154.64 | 0.00 | 0.00 | 1.48 | -156.12 | 0.57 | BD433 |
| BD434 | 18 47.090 | 42 44.230 | 1830.4M | 978041.01 | 978567.46 | 38.41 | -166.41 | 0.00 | 0.00 | 1.50 | -167.90 | 0.50 | BD434 |
| BD435 | 18 53.070 | 43 6.350 | 1599.8M | 978112.12 | 978572.95 | 32.89 | -146.13 | 0.00 | 0.00 | 1.44 | -147.56 | 0.36 | BD435 |
| BD436 | 18 53.340 | 43 12.330 | 1542.5M | 978128.88 | 978573.20 | 31.72 | -140.88 | 0.00 | 0.00 | 1.42 | -142.30 | 0.66 | BD436 |
| BD437 | 18 58.480 | 43 12.040 | 1473.9M | 978150.84 | 978577.95 | 27.77 | -137.16 | 0.00 | 0.00 | 1.39 | -138.55 | 0.54 | BD437 |
| BD438 | 18 59.160 | 43 6.780 | 1510.0M | 978149.19 | 978578.57 | 36.63 | -132.33 | 0.00 | 0.00 | 1.41 | -133.74 | 0.76 | BD438 |
| BD439 | 18 58.560 | 43 1.200 | 1560.5M | 978128.74 | 978578.02 | 32.32 | -142.29 | 0.00 | 0.00 | 1.42 | -143.72 | 0.66 | BD439 |
| BD440 | 18 53.290 | 43 0.570 | 1615.6M | 978105.68 | 978573.16 | 31.12 | -149.66 | 0.00 | 0.00 | 1.44 | -151.10 | 0.26 | BD440 |
| BD441 | 18 48.040 | 43 0.920 | 1700.1M | 978088.01 | 978568.33 | 44.34 | -145.90 | 0.00 | 0.00 | 1.47 | -147.36 | 0.50 | BD441 |
| BD442 | 18 47.930 | 43 6.320 | 1677.0M | 978094.48 | 978568.23 | 43.79 | -143.87 | 0.00 | 0.00 | 1.46 | -145.33 | 0.63 | BD442 |
| BD443 | 18 47.880 | 43 11.320 | 1618.2M | 978106.44 | 978568.19 | 37.66 | -143.42 | 0.00 | 0.00 | 1.44 | -144.86 | 0.42 | BD443 |
| BD444 | 18 53.180 | 42 49.690 | 1748.2M | 978066.00 | 978573.06 | 32.44 | -163.18 | 0.00 | 0.00 | 1.48 | -164.66 | 0.26 | BD444 |
| BD445 | 18 53.640 | 42 43.910 | 1847.0M | 978053.09 | 978573.48 | 49.59 | -157.09 | 0.00 | 0.00 | 1.50 | -158.59 | 0.39 | BD445 |
| BD446 | 18 47.120 | 42 49.710 | 1792.9M | 978053.78 | 978567.49 | 39.59 | -161.04 | 0.00 | 0.00 | 1.49 | -162.53 | 0.75 | BD446 |
| BD447 | 18 47.990 | 42 55.570 | 1723.5M | 978088.85 | 978568.29 | 52.45 | -140.41 | 0.00 | 0.00 | 1.47 | -141.88 | 0.36 | BD447 |
| BD448 | 18 53.340 | 42 55.170 | 1690.0M | 978086.37 | 978573.20 | 34.72 | -154.39 | 0.00 | 0.00 | 1.47 | -155.85 | 0.31 | BD448 |
| BD449 | 19 4.020 | 42 49.460 | 1702.0M | 978124.25 | 978583.08 | 66.67 | -123.87 | 0.00 | 0.00 | 1.47 | -125.34 | 0.26 | BD449 |
| BD450 | 19 3.940 | 42 54.630 | 1591.2M | 978145.12 | 978583.00 | 53.18 | -124.87 | 0.00 | 0.00 | 1.44 | -126.30 | 0.31 | BD450 |
| BD451 | 18 58.970 | 42 54.340 | 1642.2M | 978118.09 | 978578.40 | 46.50 | -137.26 | 0.00 | 0.00 | 1.45 | -138.71 | 0.42 | BD451 |
| BD452 | 18 58.590 | 42 49.740 | 1696.9M | 978106.34 | 978578.05 | 51.97 | -137.91 | 0.00 | 0.00 | 1.47 | -139.38 | 0.28 | BD452 |
| BD453 | 18 58.800 | 42 43.430 | 1729.8M | 978112.13 | 978578.24 | 67.71 | -125.85 | 0.00 | 0.00 | 1.48 | -127.33 | 0.26 | BD453 |

**Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued**

| ID | LAT | LONG | ELEV | OG | THG | FAA | CBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD454 | 19 5.080 | 42 44.510 | 1654.7M | 978141.21 | 978584.06 | 67.80 | -117.36 | 0.00 | 0.00 | 1.46 | -118.81 | 0.39 | BD454 |
| BD455 | 19 26.630 | 42 38.490 | 1562.3M | 978175.81 | 978604.24 | 53.72 | -121.10 | 0.00 | 0.00 | 1.42 | -122.53 | 0.39 | BD455 |
| BD456 | 19 26.580 | 42 43.860 | 1502.7M | 978181.56 | 978604.19 | 41.13 | -127.02 | 0.00 | 0.00 | 1.40 | -128.43 | 0.29 | BD456 |
| BD457 | 19 20.190 | 42 44.710 | 1516.6M | 978175.63 | 978598.18 | 45.51 | -124.20 | 0.00 | 0.00 | 1.41 | -125.60 | 0.31 | BD457 |
| BD458 | 19 19.700 | 42 37.660 | 1613.0M | 978165.51 | 978597.72 | 65.58 | -114.91 | 0.00 | 0.00 | 1.44 | -116.36 | 0.31 | BD458 |
| BD459 | 19 19.810 | 42 31.890 | 1453.5M | 978209.76 | 978597.82 | 60.52 | -102.12 | 0.00 | 0.00 | 1.38 | -103.50 | 0.31 | BD459 |
| BD460 | 19 25.300 | 42 31.910 | 1412.6M | 978215.00 | 978602.99 | 47.98 | -110.09 | 0.00 | 0.00 | 1.36 | -111.46 | 0.45 | BD460 |
| BD461 | 19 31.900 | 42 32.360 | 1453.9M | 978213.56 | 978609.22 | 53.04 | -109.65 | 0.00 | 0.00 | 1.38 | -111.03 | 0.29 | BD461 |
| BD462 | 19 31.360 | 42 37.990 | 1488.2M | 978212.16 | 978608.71 | 62.73 | -103.79 | 0.00 | 0.00 | 1.40 | -105.19 | 0.29 | BD462 |
| BD463 | 19 31.360 | 42 44.280 | 1406.1M | 978202.82 | 978608.71 | 28.06 | -129.28 | 0.00 | 0.00 | 1.36 | -130.64 | 0.45 | BD463 |
| BD464 | 19 3.990 | 42 32.260 | 1582.1M | 978164.15 | 978583.05 | 69.36 | -107.67 | 0.00 | 0.00 | 1.43 | -109.11 | 0.51 | BD464 |
| BD465 | 19 3.970 | 42 38.430 | 1693.2M | 978129.72 | 978583.03 | 69.22 | -120.24 | 0.00 | 0.00 | 1.47 | -121.71 | 0.54 | BD465 |
| BD466 | 18 59.020 | 42 38.340 | 1712.9M | 978113.46 | 978578.44 | 63.63 | -128.04 | 0.00 | 0.00 | 1.47 | -129.51 | 0.57 | BD466 |
| BD467 | 18 58.340 | 42 32.630 | 1642.8M | 978130.55 | 978577.82 | 67.72 | -116.10 | 0.00 | 0.00 | 1.45 | -117.55 | 0.60 | BD467 |
| BD468 | 19 4.100 | 42 26.140 | 1766.1M | 978129.40 | 978583.15 | 91.27 | -106.35 | 0.00 | 0.00 | 1.48 | -107.84 | 0.51 | BD468 |
| BD469 | 19 8.900 | 42 26.370 | 1730.2M | 978138.60 | 978587.62 | 87.39 | -107.11 | 0.00 | 0.00 | 1.48 | -108.58 | 0.51 | BD469 |
| BD470 | 19 9.400 | 42 31.770 | 1540.7M | 978173.22 | 978588.08 | 60.62 | -111.78 | 0.00 | 0.00 | 1.42 | -113.19 | 0.51 | BD470 |
| BD471 | 19 9.180 | 42 38.140 | 1664.0M | 978135.11 | 978587.88 | 61.01 | -125.28 | 0.00 | 0.00 | 1.46 | -126.74 | 0.54 | BD471 |
| BD472 | 19 14.540 | 42 38.430 | 1603.5M | 978154.14 | 978592.88 | 56.12 | -123.30 | 0.00 | 0.00 | 1.44 | -124.74 | 0.66 | BD472 |
| BD473 | 19 14.700 | 42 32.430 | 1493.1M | 978202.55 | 978593.03 | 70.32 | -96.75 | 0.00 | 0.00 | 1.40 | -98.15 | 0.51 | BD473 |
| BD474 | 19 14.840 | 42 26.140 | 1702.6M | 978158.76 | 978593.16 | 91.03 | 99.49 | 0.00 | 0.00 | 1.47 | -100.96 | 0.54 | BD474 |
| BD475 | 19 14.760 | 42 49.430 | 1546.4M | 978175.39 | 978593.09 | 59.55 | -113.49 | 0.00 | 0.00 | 1.42 | -114.91 | 0.31 | BD475 |
| BD476 | 19 14.700 | 42 44.000 | 1545.2M | 978170.89 | 978593.03 | 54.74 | -118.17 | 0.00 | 0.00 | 1.42 | 119.59 | 0.51 | BD476 |
| BD477 | 19 8.290 | 42 43.910 | 1633.2M | 978146.24 | 978587.05 | 63.22 | -119.53 | 0.00 | 0.00 | 1.45 | -120.98 | 0.51 | BD477 |
| BD478 | 19 9.270 | 42 50.060 | 1626.4M | 978151.24 | 978587.96 | 65.21 | -116.78 | 0.00 | 0.00 | 1.45 | -118.23 | 0.69 | BD478 |
| BD479 | 19 9.350 | 42 55.090 | 1636.1M | 978155.15 | 978588.03 | 72.04 | 111.04 | 0.00 | 0.00 | 1.45 | -112.49 | 0.66 | BD479 |
| BD480 | 19 14.400 | 42 55.510 | 1609.8M | 978155.42 | 978592.75 | 59.47 | -120.66 | 0.00 | 0.00 | 1.44 | -122.10 | 0.48 | BD480 |
| BD481 | 19 20.000 | 42 55.570 | 1495.1M | 978169.96 | 978598.00 | 33.38 | -133.92 | 0.00 | 0.00 | 1.40 | -135.32 | 0.34 | BD481 |
| BD482 | 19 20.350 | 42 49.490 | 1472.5M | 978185.15 | 978598.33 | 41.27 | -123.50 | 0.00 | 0.00 | 1.39 | -124.89 | 0.36 | BD482 |
| BD483 | 19 25.680 | 42 54.910 | 1461.3M | 978171.01 | 978603.34 | 18.65 | -144.86 | 0.00 | 0.00 | 1.38 | -146.25 | 0.36 | BD483 |
| BD484 | 19 31.090 | 42 54.830 | 1500.8M | 978159.04 | 978608.46 | 13.76 | -154.18 | 0.00 | 0.00 | 1.40 | -155.58 | 0.39 | BD484 |
| BD485 | 19 30.820 | 42 49.080 | 1397.7M | 978164.17 | 978608.20 | 7.34 | -149.06 | 0.00 | 0.00 | 1.36 | 150.42 | 0.48 | BD485 |
| BD486 | 19 26.710 | 42 49.370 | 1423.0M | 978189.51 | 978604.32 | 24.37 | 134.87 | 0.00 | 0.00 | 1.37 | -136.23 | 0.39 | BD486 |
| BD487 | 19 25.650 | 42 20.230 | 1473.5M | 978211.13 | 978603.32 | 62.57 | 102.32 | 0.00 | 0.00 | 1.39 | -103.71 | 0.57 | BD487 |
| BD488 | 19 30.980 | 42 26.870 | 1419.0M | 978223.22 | 978608.35 | 52.80 | -105.98 | 0.00 | 0.00 | 1.37 | -107.34 | 0.60 | BD488 |
| BD489 | 19 31.060 | 42 19.430 | 1405.2M | 978222.48 | 978608.43 | 47.73 | 109.51 | 0.00 | 0.00 | 1.36 | -110.87 | 0.79 | BD489 |
| BD490 | 19 31.300 | 42 14.210 | 1466.8M | 978211.73 | 978608.66 | 55.76 | -108.37 | 0.00 | 0.00 | 1.39 | -109.76 | 0.57 | BD490 |
| BD491 | 19 25.300 | 42 14.500 | 1897.6M | 978129.33 | 978602.99 | 111.93 | -100.41 | 0.00 | 0.00 | 1.51 | -101.92 | 0.63 | BD491 |
| BD492 | 19 19.890 | 42 15.170 | 1912.3M | 978125.84 | 978597.90 | 118.06 | 95.93 | 0.00 | 0.00 | 1.51 | -97.43 | 0.63 | BD492 |
| BD493 | 19 20.490 | 42 20.090 | 1560.9M | 978179.04 | 978598.46 | 62.30 | 112.36 | 0.00 | 0.00 | 1.42 | -113.79 | 0.66 | BD493 |
| BD494 | 19 19.430 | 42 25.630 | 1676.6M | 978166.13 | 978597.46 | 86.08 | -101.53 | 0.00 | 0.00 | 1.46 | -102.99 | 0.72 | BD494 |
| BD495 | 19 25.710 | 42 26.260 | 1532.1M | 978196.63 | 978603.37 | 66.09 | -105.35 | 0.00 | 0.00 | 1.41 | -106.76 | 0.57 | BD495 |
| BD496 | 19 36.090 | 42 26.150 | 1294.7M | 978250.68 | 978613.20 | 45.07 | 99.80 | 0.00 | 0.00 | 1.30 | -101.11 | 0.48 | BD496 |
| BD497 | 19 42.310 | 42 26.950 | 1435.2M | 978232.00 | 978619.12 | 55.81 | 104.78 | 0.00 | 0.00 | 1.37 | -106.16 | 0.73 | BD497 |
| BD498 | 19 42.390 | 42 22.130 | 1277.2M | 978272.58 | 978619.20 | 47.57 | 95.35 | 0.00 | 0.00 | 1.29 | -96.64 | 0.39 | BD498 |
| BD499 | 18 58.590 | 42 16.320 | 2046.4M | 978076.44 | 978578.05 | 129.87 | -99.12 | 0.00 | 0.00 | 1.52 | -100.63 | 0.69 | BD499 |
| BD500 | 19 4.050 | 42 20.030 | 2062.2M | 978074.19 | 978583.11 | 127.44 | -103.32 | 0.00 | 0.00 | 1.52 | -104.84 | 0.69 | BD500 |
| BD501 | 19 2.960 | 42 14.540 | 2003.3M | 978080.38 | 978582.09 | 116.47 | -107.69 | 0.00 | 0.00 | 1.52 | -109.21 | 0.95 | BD501 |
| BD502 | 19 2.580 | 42 9.110 | 2420.7M | 978001.41 | 978581.74 | 169.05 | -102.72 | 0.00 | 0.00 | 1.47 | -104.19 | 0.76 | BD502 |
| BD503 | 18 57.360 | 42 10.690 | 2221.8M | 978025.32 | 978576.91 | 133.99 | -114.62 | 0.00 | 0.00 | 1.51 | -116.13 | 0.85 | BD503 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | CBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD504 | 18 52.610 | 42 11.410 | 2394.4M | 977992.47 | 978572.53 | 150.75 | -109.17 | 0.00 | 0.00 | 1.48 | 110.66 | 0.79 | BD504 |
| BD505 | 19 13.560 | 42 15.340 | 1976.3M | 978103.30 | 978591.96 | 121.19 | -99.95 | 0.00 | 0.00 | 1.51 | -101.47 | 1.01 | BD505 |
| BD506 | 19 8.530 | 42 15.060 | 2046.0M | 978082.27 | 978587.27 | 126.36 | -102.59 | 0.00 | 0.00 | 1.52 | -104.10 | 1.14 | BD506 |
| BD507 | 19 9.270 | 42 20.340 | 1990.0M | 978094.57 | 978587.96 | 120.70 | 101.98 | 0.00 | 0.00 | 1.51 | -103.49 | 1.01 | BD507 |
| BD508 | 19 15.000 | 42 21.430 | 1769.3M | 978138.66 | 978593.31 | 91.36 | -106.62 | 0.00 | 0.00 | 1.48 | -108.11 | 1.01 | BD508 |
| BD509 | 19 20.080 | 42 9.140 | 2104.8M | 978099.27 | 978598.07 | 150.69 | 84.84 | 0.00 | 0.00 | 1.52 | 86.35 | 1.05 | BD509 |
| BD510 | 19 14.700 | 42 9.480 | 2219.1M | 978057.73 | 978593.03 | 149.45 | -98.87 | 0.00 | 0.00 | 1.51 | 100.37 | 1.01 | BD510 |
| BD511 | 19 9.510 | 42 9.200 | 2337.8M | 978027.89 | 978588.18 | 161.06 | 100.54 | 0.00 | 0.00 | 1.49 | 102.03 | 1.01 | BD511 |
| BD512 | 19 13.290 | 42 5.140 | 2465.7M | 978009.12 | 978591.21 | 178.20 | -97.71 | 0.00 | 0.00 | 1.46 | -99.17 | 1.14 | BD512 |
| BD513 | 19 36.300 | 42 43.330 | 1354.2M | 978225.54 | 978613.40 | 30.09 | -121.45 | 0.00 | 0.00 | 1.33 | -122.78 | 0.22 | BD513 |
| BD514 | 19 41.490 | 42 44.050 | 1330.3M | 978229.90 | 978610.34 | 22.14 | -126.72 | 0.00 | 0.00 | 1.32 | -128.05 | 0.51 | BD514 |
| BD515 | 19 42.070 | 42 38.070 | 1297.1M | 978240.42 | 978610.89 | 29.85 | -115.29 | 0.00 | 0.00 | 1.30 | -116.59 | 0.21 | BD515 |
| BD516 | 19 37.390 | 42 37.590 | 1371.6M | 978230.52 | 978614.44 | 47.40 | -106.08 | 0.00 | 0.00 | 1.34 | -107.43 | 0.25 | BD516 |
| BD517 | 19 25.050 | 42 4.490 | 1991.1M | 978122.77 | 978602.75 | 134.44 | -88.36 | 0.00 | 0.00 | 1.51 | -89.87 | 1.08 | BD517 |
| BD518 | 19 25.000 | 42 9.030 | 1827.6M | 978149.35 | 978602.70 | 110.64 | -93.87 | 0.00 | 0.00 | 1.50 | 95.36 | 1.18 | BD518 |
| BD519 | 19 32.240 | 42 9.400 | 1557.8M | 978198.87 | 978609.55 | 70.08 | -104.23 | 0.00 | 0.00 | 1.42 | 105.66 | 1.08 | BD519 |
| BD520 | 19 30.710 | 42 3.360 | 1944.8M | 978119.23 | 978608.10 | 111.27 | -106.35 | 0.00 | 0.00 | 1.51 | -107.86 | 1.11 | BD520 |
| BD521 | 19 30.820 | 41 57.300 | 2055.5M | 978095.51 | 978608.20 | 121.59 | -108.42 | 0.00 | 0.00 | 1.52 | -109.93 | 1.18 | BD521 |
| BD522 | 19 20.600 | 42 4.310 | 2443.3M | 978031.17 | 978598.56 | 186.49 | 86.91 | 0.00 | 0.00 | 1.47 | -88.38 | 1.08 | BD522 |
| BD523 | 19 9.510 | 43 24.230 | 1310.3M | 978223.11 | 978588.18 | 39.33 | 107.29 | 0.00 | 0.00 | 1.31 | -108.61 | 1.21 | BD523 |
| BD524 | 19 3.720 | 43 23.860 | 1394.0M | 978181.32 | 978582.80 | 28.75 | -127.24 | 0.00 | 0.00 | 1.35 | -128.59 | 1.27 | BD524 |
| BD525 | 19 3.570 | 43 29.540 | 1327.9M | 978188.48 | 978582.66 | 15.65 | -132.94 | 0.00 | 0.00 | 1.32 | -134.26 | 1.21 | BD525 |
| BD526 | 19 8.410 | 43 29.030 | 1270.1M | 978221.71 | 978587.16 | 26.55 | -115.57 | 0.00 | 0.00 | 1.29 | -116.86 | 1.24 | BD526 |
| BD527 | 19 14.380 | 43 29.730 | 1213.5M | 978233.27 | 978592.73 | 15.08 | -120.71 | 0.00 | 0.00 | 1.26 | -121.97 | 1.24 | BD527 |
| BD528 | 19 14.430 | 43 24.530 | 1235.5M | 978224.44 | 978592.78 | 12.99 | -125.26 | 0.00 | 0.00 | 1.27 | 126.53 | 1.24 | BD528 |
| BD529 | 19 14.420 | 43 18.940 | 1344.3M | 978213.71 | 978592.77 | 35.84 | -114.59 | 0.00 | 0.00 | 1.33 | -115.92 | 1.21 | BD529 |
| BD530 | 19 9.500 | 43 18.650 | 1374.8M | 978196.96 | 978588.17 | 33.09 | -120.75 | 0.00 | 0.00 | 1.34 | -122.09 | 1.21 | BD530 |
| BD531 | 19 3.990 | 43 18.770 | 1377.4M | 978179.46 | 978583.05 | 21.52 | -132.61 | 0.00 | 0.00 | 1.35 | 133.96 | 1.24 | BD531 |
| BD532 | 19 25.720 | 43 24.300 | 1185.1M | 978238.10 | 978603.38 | 0.49 | -132.12 | 0.00 | 0.00 | 1.24 | -133.36 | 1.31 | BD532 |
| BD533 | 19 20.380 | 43 24.480 | 1231.8M | 978245.19 | 978598.36 | 27.01 | -110.82 | 0.00 | 0.00 | 1.27 | -112.09 | 1.31 | BD533 |
| BD534 | 19 20.080 | 43 29.500 | 1192.3M | 978247.87 | 978598.07 | 17.79 | -115.62 | 0.00 | 0.00 | 1.24 | 116.87 | 1.31 | BD534 |
| BD535 | 19 25.700 | 43 29.820 | 1119.5M | 978260.96 | 978603.36 | 3.12 | -122.15 | 0.00 | 0.00 | 1.20 | -123.34 | 1.40 | BD535 |
| BD536 | 19 31.390 | 43 24.070 | 1147.7M | 978255.61 | 978608.24 | 1.10 | -127.32 | 0.00 | 0.00 | 1.21 | -128.54 | 1.37 | BD536 |
| BD537 | 19 9.950 | 43 7.210 | 1389.0M | 978183.18 | 978588.59 | 23.28 | -132.15 | 0.00 | 0.00 | 1.35 | -133.50 | 0.98 | BD537 |
| BD538 | 19 4.080 | 43 6.720 | 1479.2M | 978156.69 | 978583.13 | 30.07 | -135.44 | 0.00 | 0.00 | 1.39 | -136.84 | 1.18 | BD538 |
| BD539 | 19 4.080 | 43 11.400 | 1464.1M | 978162.24 | 978583.13 | 31.47 | -132.36 | 0.00 | 0.00 | 1.39 | -133.75 | 1.21 | BD539 |
| BD540 | 19 9.510 | 43 11.600 | 1421.0M | 978190.84 | 978588.18 | 41.21 | -117.79 | 0.00 | 0.00 | 1.37 | -119.16 | 1.01 | BD540 |
| BD541 | 19 14.890 | 43 11.000 | 1342.8M | 978205.97 | 978593.21 | 27.19 | 123.06 | 0.00 | 0.00 | 1.33 | -124.39 | 1.08 | BD541 |
| BD542 | 19 14.760 | 43 6.780 | 1365.4M | 978196.11 | 978593.09 | 24.42 | -128.36 | 0.00 | 0.00 | 1.34 | -129.70 | 1.05 | BD542 |
| BD543 | 19 14.210 | 43 0.720 | 1534.2M | 978162.09 | 978592.57 | 43.00 | 128.67 | 0.00 | 0.00 | 1.41 | -130.09 | 1.31 | BD543 |
| BD544 | 19 9.620 | 43 0.520 | 1602.7M | 978149.34 | 978588.29 | 55.67 | 123.67 | 0.00 | 0.00 | 1.44 | -125.11 | 1.01 | BD544 |
| BD545 | 19 4.100 | 43 0.490 | 1528.3M | 978157.17 | 978583.15 | 45.69 | -125.33 | 0.00 | 0.00 | 1.41 | -126.74 | 1.18 | BD545 |
| BD546 | 19 19.960 | 43 6.340 | 1283.7M | 978210.87 | 978597.96 | 17.10 | -126.54 | 0.00 | 0.00 | 1.30 | -127.84 | 1.05 | BD546 |
| BD547 | 19 19.950 | 43 12.110 | 1261.3M | 978239.18 | 978597.95 | 30.51 | -110.63 | 0.00 | 0.00 | 1.28 | -111.91 | 1.05 | BD547 |
| BD548 | 19 25.760 | 43 7.070 | 1296.4M | 978218.92 | 978603.42 | 15.62 | -129.45 | 0.00 | 0.00 | 1.30 | -130.75 | 0.63 | BD548 |
| BD549 | 19 20.580 | 43 1.590 | 1343.5M | 978213.73 | 978598.54 | 29.83 | -120.51 | 0.00 | 0.00 | 1.33 | -121.84 | 0.63 | BD549 |
| BD550 | 19 25.560 | 43 0.690 | 1369.5M | 978195.12 | 978603.23 | 14.55 | -138.69 | 0.00 | 0.00 | 1.34 | -140.03 | 0.82 | BD550 |
| BD551 | 19 31.020 | 43 1.280 | 1369.4M | 978190.93 | 978608.39 | 5.18 | -148.05 | 0.00 | 0.00 | 1.34 | -149.40 | 0.76 | BD551 |
| BD552 | 19 31.060 | 43 6.550 | 1349.7M | 978201.96 | 978608.43 | 10.09 | 140.94 | 0.00 | 0.00 | 1.33 | -142.27 | 0.66 | BD552 |
| BD553 | 19 25.570 | 43 12.390 | 1222.2M | 978242.27 | 978603.24 | 16.25 | -120.52 | 0.00 | 0.00 | 1.26 | -121.78 | 1.14 | BD553 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD554 | 19 20.030 | 43 18.190 | 1573.5M | 978181.41 | 978598.03 | 68.99 | 107.08 | 0.00 | 0.00 | 1.43 | -100.51 | 1.18 | BD554 |
| BD555 | 19 25.620 | 43 18.040 | 1212.1M | 978246.20 | 978603.29 | 17.01 | -118.62 | 0.00 | 0.00 | 1.26 | -117.88 | 1.18 | BD555 |
| BD556 | 19 31.350 | 43 17.360 | 1167.2M | 978261.73 | 978608.70 | 13.27 | -117.33 | 0.00 | 0.00 | 1.23 | -118.56 | 1.21 | BD556 |
| BD557 | 19 31.030 | 43 11.020 | 1255.5M | 978239.17 | 978608.40 | 18.27 | 122.22 | 0.00 | 0.00 | 1.28 | -123.50 | 1.14 | BD557 |
| BD558 | 19 58.040 | 42 38.450 | 1169.6M | 978276.79 | 978634.22 | 3.56 | -127.32 | 0.00 | 0.00 | 1.23 | -128.55 | 0.39 | BD558 |
| BD559 | 19 41.820 | 43 23.680 | 1125.5M | 978280.73 | 978618.66 | 17.46 | -108.48 | 0.00 | 0.00 | 1.20 | -109.68 | 1.37 | BD559 |
| BD560 | 19 36.730 | 43 23.680 | 1089.1M | 978286.80 | 978613.81 | 9.14 | -112.73 | 0.00 | 0.00 | 1.18 | -113.91 | 1.44 | BD560 |
| BD561 | 19 32.530 | 43 28.420 | 1115.3M | 978259.03 | 978609.82 | -6.55 | -131.35 | 0.00 | 0.00 | 1.19 | -132.55 | 1.37 | BD561 |
| BD562 | 19 36.170 | 43 29.090 | 1103.7M | 978275.05 | 978613.28 | 2.43 | -121.08 | 0.00 | 0.00 | 1.19 | -122.26 | 1.40 | BD562 |
| BD563 | 19 42.270 | 43 28.850 | 1040.0M | 978308.72 | 978619.09 | 10.63 | -105.74 | 0.00 | 0.00 | 1.14 | -106.89 | 1.47 | BD563 |
| BD564 | 19 47.090 | 43 29.540 | 1021.5M | 978316.24 | 978623.69 | 7.84 | -106.47 | 0.00 | 0.00 | 1.13 | -107.59 | 1.44 | BD564 |
| BD565 | 19 47.260 | 43 24.340 | 1049.6M | 978323.53 | 978623.86 | 23.64 | -93.81 | 0.00 | 0.00 | 1.15 | -94.96 | 1.37 | BD565 |
| BD566 | 19 47.390 | 43 18.390 | 1097.2M | 978309.43 | 978623.98 | 24.09 | 98.68 | 0.00 | 0.00 | 1.18 | -99.86 | 1.40 | BD566 |
| BD567 | 19 42.500 | 43 17.420 | 1165.1M | 978282.51 | 978619.30 | 22.80 | -107.57 | 0.00 | 0.00 | 1.23 | -108.80 | 1.40 | BD567 |
| BD568 | 19 36.430 | 43 18.090 | 1140.2M | 978276.18 | 978613.52 | 14.57 | -113.02 | 0.00 | 0.00 | 1.21 | -114.23 | 1.40 | BD568 |
| BD569 | 19 36.440 | 43 11.210 | 1213.7M | 978256.02 | 978613.53 | 17.08 | -118.73 | 0.00 | 0.00 | 1.26 | -119.99 | 1.44 | BD569 |
| BD570 | 19 42.430 | 43 11.930 | 1221.6M | 978266.06 | 978619.24 | 23.85 | -112.84 | 0.00 | 0.00 | 1.26 | -114.10 | 1.40 | BD570 |
| BD571 | 19 46.660 | 43 11.950 | 1178.5M | 978269.36 | 978623.28 | 9.82 | -122.06 | 0.00 | 0.00 | 1.23 | -123.29 | 1.40 | BD571 |
| BD572 | 19 41.930 | 43 1.080 | 1333.0M | 978237.88 | 978618.76 | 30.52 | 118.64 | 0.00 | 0.00 | 1.32 | -119.96 | 0.79 | BD572 |
| BD573 | 19 36.740 | 43 0.810 | 1381.7M | 978200.79 | 978613.82 | 13.40 | -141.21 | 0.00 | 0.00 | 1.35 | -142.55 | 1.05 | BD573 |
| BD574 | 19 35.460 | 43 6.180 | 1359.3M | 978202.40 | 978612.60 | 9.32 | 142.79 | 0.00 | 0.00 | 1.34 | -144.12 | 0.98 | BD574 |
| BD575 | 19 42.230 | 43 6.650 | 1279.6M | 978238.02 | 978619.05 | 13.90 | -129.29 | 0.00 | 0.00 | 1.29 | -130.58 | 0.79 | BD575 |
| BD576 | 19 47.400 | 43 6.720 | 1225.3M | 978255.60 | 978623.99 | 9.78 | -127.32 | 0.00 | 0.00 | 1.26 | -128.59 | 0.79 | BD576 |
| BD577 | 19 47.420 | 43 1.410 | 1297.2M | 978238.69 | 978624.01 | 15.04 | -130.12 | 0.00 | 0.00 | 1.30 | -131.42 | 0.85 | BD577 |
| BD578 | 19 47.550 | 42 55.290 | 1333.9M | 978236.62 | 978624.13 | 24.17 | -125.09 | 0.00 | 0.00 | 1.32 | -126.42 | 0.82 | BD578 |
| BD579 | 19 47.390 | 42 49.800 | 1323.0M | 978227.75 | 978623.98 | 12.33 | -135.80 | 0.00 | 0.00 | 1.32 | -137.12 | 0.85 | BD579 |
| BD580 | 19 41.820 | 42 49.910 | 1391.7M | 978211.05 | 978618.66 | 21.91 | -133.82 | 0.00 | 0.00 | 1.35 | -135.17 | 0.82 | BD580 |
| BD581 | 19 36.740 | 42 49.340 | 1407.0M | 978187.95 | 978613.82 | 0.36 | -149.08 | 0.00 | 0.00 | 1.36 | -150.44 | 0.79 | BD581 |
| BD582 | 19 36.900 | 42 54.450 | 1459.3M | 978174.78 | 978613.97 | 11.18 | -152.11 | 0.00 | 0.00 | 1.38 | -153.49 | 0.79 | BD582 |
| BD583 | 19 41.600 | 42 55.110 | 1383.5M | 978234.60 | 978618.45 | 43.14 | -111.67 | 0.00 | 0.00 | 1.35 | -113.02 | 0.92 | BD583 |
| BD584 | 19 37.310 | 42 32.670 | 1373.1M | 978230.53 | 978614.36 | 39.94 | 113.70 | 0.00 | 0.00 | 1.34 | -115.05 | 0.63 | BD584 |
| BD585 | 19 42.070 | 42 33.250 | 1302.9M | 978236.78 | 978618.89 | 20.00 | -125.79 | 0.00 | 0.00 | 1.31 | -127.10 | 0.29 | BD585 |
| BD586 | 19 46.820 | 42 33.360 | 1239.6M | 978261.64 | 978623.43 | 20.79 | -117.92 | 0.00 | 0.00 | 1.27 | -119.19 | 0.22 | BD586 |
| BD587 | 19 47.770 | 42 37.820 | 1250.2M | 978257.88 | 978624.34 | 19.39 | -120.50 | 0.00 | 0.00 | 1.28 | -121.78 | 0.22 | BD587 |
| BD588 | 19 47.420 | 42 43.970 | 1327.1M | 978233.41 | 978624.01 | 18.98 | -129.52 | 0.00 | 0.00 | 1.32 | -130.84 | 0.25 | BD588 |
| BD589 | 19 36.470 | 42 20.550 | 1412.8M | 978242.76 | 978613.56 | 65.23 | -92.86 | 0.00 | 0.00 | 1.36 | -94.22 | 0.45 | BD589 |
| BD590 | 19 36.440 | 42 14.600 | 1421.2M | 978230.56 | 978613.53 | 55.65 | -103.38 | 0.00 | 0.00 | 1.37 | -104.75 | 0.42 | BD590 |
| BD591 | 19 36.300 | 42 9.140 | 1544.2M | 978199.98 | 978613.40 | 63.15 | -109.65 | 0.00 | 0.00 | 1.42 | -111.07 | 0.51 | BD591 |
| BD592 | 19 41.440 | 42 8.620 | 1734.4M | 978167.30 | 978618.29 | 84.24 | -109.84 | 0.00 | 0.00 | 1.48 | 111.31 | 0.54 | BD592 |
| BD593 | 19 41.200 | 42 15.000 | 1447.8M | 978225.28 | 978618.06 | 54.03 | -107.97 | 0.00 | 0.00 | 1.38 | -109.35 | 0.63 | BD593 |
| BD594 | 19 46.630 | 42 14.660 | 1453.3M | 978239.02 | 978623.25 | 64.28 | -98.34 | 0.00 | 0.00 | 1.38 | -99.72 | 0.45 | BD594 |
| BD595 | 19 52.580 | 42 14.310 | 1355.2M | 978258.38 | 978628.96 | 47.67 | -103.98 | 0.00 | 0.00 | 1.34 | -105.31 | 0.63 | BD595 |
| BD596 | 19 52.200 | 42 20.340 | 1296.1M | 978269.68 | 978628.60 | 41.11 | -103.93 | 0.00 | 0.00 | 1.30 | -105.23 | 0.60 | BD596 |
| BD597 | 19 52.260 | 42 26.490 | 1242.4M | 978278.21 | 978628.65 | 33.01 | -106.02 | 0.00 | 0.00 | 1.27 | -107.29 | 0.39 | BD597 |
| BD598 | 19 47.310 | 42 26.380 | 1278.2M | 978266.81 | 978623.90 | 37.40 | -105.63 | 0.00 | 0.00 | 1.29 | -106.92 | 0.42 | BD598 |
| BD599 | 19 46.740 | 42 20.200 | 1301.5M | 978269.68 | 978623.36 | 48.00 | -97.63 | 0.00 | 0.00 | 1.31 | -98.94 | 0.39 | BD599 |
| BD600 | 19 52.280 | 42 37.900 | 1203.4M | 978264.60 | 978628.67 | 7.35 | -127.31 | 0.00 | 0.00 | 1.25 | -128.56 | 0.23 | BD600 |
| BD601 | 19 52.660 | 42 32.590 | 1191.1M | 978282.38 | 978629.04 | 20.96 | 112.32 | 0.00 | 0.00 | 1.24 | -113.56 | 0.39 | BD601 |
| BD602 | 19 58.320 | 42 32.300 | 1178.1M | 978302.85 | 978634.49 | 31.97 | 99.86 | 0.00 | 0.00 | 1.23 | -101.09 | 0.34 | BD602 |
| BD603 | 20 3.670 | 42 32.170 | 1162.6M | 978315.18 | 978639.66 | 34.34 | 95.75 | 0.00 | 0.00 | 1.22 | -96.98 | 0.48 | BD603 |

Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD604 | 20 3.750 | 42 37.570 | 1144.2M | 978302.00 | 978639.74 | 15.41 | -112.63 | 0.00 | 0.00 | 1.21 | -113.84 | 0.29 | BD604 |
| BD605 | 20 3.400 | 42 43.330 | 1154.8M | 978289.74 | 978639.40 | 6.76 | -122.46 | 0.00 | 0.00 | 1.22 | -123.68 | 0.42 | BD605 |
| BD606 | 19 58.370 | 42 43.480 | 1219.9M | 978266.43 | 978634.54 | 8.40 | -120.10 | 0.00 | 0.00 | 1.26 | -129.37 | 0.42 | BD606 |
| BD607 | 19 53.150 | 42 43.650 | 1270.2M | 978251.71 | 978629.51 | 14.22 | -127.91 | 0.00 | 0.00 | 1.29 | -129.20 | 0.25 | BD607 |
| BD608 | 20 14.840 | 42 54.600 | 1098.2M | 978356.09 | 978650.53 | 44.51 | -78.37 | 0.00 | 0.00 | 1.18 | -79.55 | 0.79 | BD608 |
| BD609 | 20 14.510 | 43 1.610 | 1141.9M | 978299.51 | 978650.21 | 1.74 | -126.04 | 0.00 | 0.00 | 1.21 | -127.25 | 0.82 | BD609 |
| BD610 | 20 9.810 | 43 13.050 | 1095.1M | 978312.65 | 978645.63 | 5.02 | -117.52 | 0.00 | 0.00 | 1.18 | -118.70 | 0.82 | BD610 |
| BD611 | 20 9.540 | 43 7.410 | 1101.6M | 978312.54 | 978645.36 | 7.18 | -116.09 | 0.00 | 0.00 | 1.18 | -117.27 | 0.79 | BD611 |
| BD612 | 20 9.270 | 43 1.240 | 1149.2M | 978300.26 | 978645.10 | 9.85 | -118.74 | 0.00 | 0.00 | 1.22 | -119.96 | 0.82 | BD612 |
| BD613 | 20 8.890 | 42 54.880 | 1117.0M | 978308.21 | 978644.73 | 8.23 | -116.76 | 0.00 | 0.00 | 1.19 | -117.95 | 0.79 | BD613 |
| BD614 | 20 9.080 | 42 49.110 | 1105.2M | 978309.64 | 978644.92 | 5.84 | -117.83 | 0.00 | 0.00 | 1.19 | -119.02 | 0.82 | BD614 |
| BD615 | 20 14.460 | 42 47.630 | 1077.6M | 978340.02 | 978650.16 | 22.46 | -98.12 | 0.00 | 0.00 | 1.17 | -99.29 | 0.79 | BD615 |
| BD616 | 20 20.220 | 42 48.900 | 1057.0M | 978347.68 | 978655.79 | 18.13 | -100.15 | 0.00 | 0.00 | 1.15 | -101.30 | 1.05 | BD616 |
| BD617 | 20 14.730 | 42 43.220 | 1087.8M | 978334.13 | 978650.42 | 19.45 | -102.27 | 0.00 | 0.00 | 1.17 | -103.45 | 0.79 | BD617 |
| BD618 | 20 19.920 | 42 43.180 | 1078.2M | 978340.73 | 978655.50 | 18.02 | -102.63 | 0.00 | 0.00 | 1.17 | -103.80 | 0.79 | BD618 |
| BD619 | 20 20.140 | 42 37.730 | 1096.5M | 978339.85 | 978655.71 | 22.57 | -100.13 | 0.00 | 0.00 | 1.18 | -101.31 | 0.79 | BD619 |
| BD620 | 20 14.860 | 42 37.980 | 1098.3M | 978337.02 | 978650.55 | 25.46 | -97.44 | 0.00 | 0.00 | 1.18 | -98.62 | 0.79 | BD620 |
| BD621 | 20 9.590 | 42 37.690 | 1117.1M | 978321.37 | 978645.41 | 20.74 | -104.26 | 0.00 | 0.00 | 1.19 | -105.46 | 0.79 | BD621 |
| BD622 | 20 8.830 | 42 43.250 | 1115.5M | 978309.68 | 978644.67 | 9.30 | -115.53 | 0.00 | 0.00 | 1.19 | -116.72 | 0.89 | BD622 |
| BD623 | 19 57.980 | 43 0.460 | 1246.2M | 978259.81 | 978634.16 | 10.27 | -129.18 | 0.00 | 0.00 | 1.28 | -130.46 | 0.34 | BD623 |
| BD624 | 19 53.370 | 43 0.850 | 1267.2M | 978249.01 | 978629.72 | 10.39 | -131.41 | 0.00 | 0.00 | 1.29 | -132.69 | 0.48 | BD624 |
| BD625 | 19 52.910 | 43 6.620 | 1207.5M | 978265.70 | 978629.28 | 9.10 | -126.02 | 0.00 | 0.00 | 1.25 | -127.27 | 0.69 | BD625 |
| BD626 | 19 58.520 | 43 7.000 | 1176.6M | 978278.10 | 978634.68 | 6.56 | -125.10 | 0.00 | 0.00 | 1.23 | -126.33 | 0.48 | BD626 |
| BD627 | 20 3.530 | 43 7.870 | 1152.8M | 978289.46 | 978639.53 | 5.73 | -123.26 | 0.00 | 0.00 | 1.22 | -124.48 | 0.34 | BD627 |
| BD628 | 20 4.540 | 43 1.470 | 1180.3M | 978292.19 | 978640.51 | 15.97 | -116.10 | 0.00 | 0.00 | 1.24 | -117.34 | 0.42 | BD628 |
| BD629 | 20 3.670 | 42 54.860 | 1187.0M | 978285.78 | 978639.66 | 12.47 | -120.35 | 0.00 | 0.00 | 1.24 | -121.59 | 0.39 | BD629 |
| BD630 | 19 58.940 | 42 53.220 | 1202.8M | 978270.63 | 978635.09 | 6.77 | -127.82 | 0.00 | 0.00 | 1.25 | -129.07 | 0.37 | BD630 |
| BD631 | 19 53.020 | 42 54.830 | 1257.7M | 978248.90 | 978629.38 | 7.69 | -133.05 | 0.00 | 0.00 | 1.28 | -134.33 | 0.36 | BD631 |
| BD632 | 19 52.770 | 42 49.250 | 1288.3M | 978256.10 | 978629.14 | 24.57 | -119.59 | 0.00 | 0.00 | 1.30 | -120.89 | 0.34 | BD632 |
| BD633 | 19 58.320 | 42 49.170 | 1245.2M | 978269.42 | 978634.49 | 19.25 | -120.09 | 0.00 | 0.00 | 1.28 | -121.37 | 0.34 | BD633 |
| BD634 | 20 3.860 | 42 48.870 | 1178.8M | 978283.86 | 978639.85 | 7.83 | -124.07 | 0.00 | 0.00 | 1.23 | -125.31 | 0.37 | BD634 |
| BD635 | 19 58.510 | 43 18.190 | 1069.1M | 978318.02 | 978634.67 | 13.32 | -106.31 | 0.00 | 0.00 | 1.16 | -107.47 | 0.48 | BD635 |
| BD636 | 20 3.780 | 43 18.530 | 1103.7M | 978330.14 | 978639.77 | 55.71 | -76.74 | 0.00 | 0.00 | 1.24 | -77.98 | 0.51 | BD636 |
| BD637 | 20 4.020 | 43 25.090 | 1014.8M | 978339.40 | 978640.00 | 12.62 | -100.94 | 0.00 | 0.00 | 1.12 | -102.06 | 0.48 | BD637 |
| BD638 | 19 58.340 | 43 24.890 | 1012.2M | 978325.38 | 978634.51 | 3.29 | -109.98 | 0.00 | 0.00 | 1.12 | -111.10 | 0.54 | BD638 |
| BD639 | 19 58.630 | 43 29.840 | 961.4M | 978339.32 | 978634.79 | 1.27 | -106.31 | 0.00 | 0.00 | 1.08 | -107.39 | 0.54 | BD639 |
| BD640 | 19 53.560 | 43 29.300 | 992.4M | 978322.24 | 978629.90 | -1.35 | -112.40 | 0.00 | 0.00 | 1.10 | -113.50 | 0.60 | BD640 |
| BD641 | 19 52.690 | 43 24.810 | 1023.7M | 978316.99 | 978629.07 | 3.89 | 110.66 | 0.00 | 0.00 | 1.13 | -111.79 | 0.51 | BD641 |
| BD642 | 19 53.100 | 43 18.060 | 1090.3M | 978313.02 | 978629.46 | 20.08 | -101.93 | 0.00 | 0.00 | 1.18 | -103.10 | 0.57 | BD642 |
| BD643 | 19 52.770 | 43 12.460 | 1174.0M | 978277.01 | 978629.14 | 10.21 | -121.16 | 0.00 | 0.00 | 1.23 | -122.39 | 0.79 | BD643 |
| BD644 | 19 58.720 | 43 12.560 | 1125.7M | 978291.91 | 978634.88 | 4.47 | -121.49 | 0.00 | 0.00 | 1.20 | -122.69 | 0.85 | BD644 |
| BD645 | 20 3.910 | 43 13.160 | 1144.7M | 978293.63 | 978639.90 | 7.03 | -121.06 | 0.00 | 0.00 | 1.21 | -122.27 | 0.48 | BD645 |
| BD646 | 20 3.720 | 42 20.570 | 1243.7M | 978284.81 | 978639.71 | 28.95 | -110.22 | 0.00 | 0.00 | 1.27 | -111.49 | 0.73 | BD646 |
| BD647 | 20 3.800 | 42 26.380 | 1192.9M | 978308.32 | 978639.79 | 36.70 | -96.78 | 0.00 | 0.00 | 1.24 | -98.02 | 0.89 | BD647 |
| BD648 | 19 58.530 | 42 26.750 | 1230.7M | 978297.14 | 978634.69 | 42.28 | -95.43 | 0.00 | 0.00 | 1.27 | -96.70 | 0.73 | BD648 |
| BD649 | 19 58.260 | 42 19.400 | 1269.7M | 978282.85 | 978634.43 | 40.29 | -101.79 | 0.00 | 0.00 | 1.29 | -103.08 | 0.85 | BD649 |
| BD650 | 19 57.990 | 42 14.110 | 1323.3M | 978266.85 | 978634.17 | 41.08 | -106.99 | 0.00 | 0.00 | 1.32 | -108.31 | 0.79 | BD650 |
| BD651 | 20 3.670 | 42 14.340 | 1304.0M | 978265.21 | 978639.66 | 28.00 | -117.91 | 0.00 | 0.00 | 1.31 | -119.22 | 0.85 | BD651 |
| BD652 | 20 9.050 | 42 14.310 | 1316.5M | 978253.79 | 978644.89 | 15.22 | -132.10 | 0.00 | 0.00 | 1.32 | -133.41 | 0.76 | BD652 |
| BD653 | 20 8.910 | 42 20.060 | 1250.0M | 978285.37 | 978644.75 | 26.42 | -113.46 | 0.00 | 0.00 | 1.28 | -114.73 | 0.76 | BD653 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | CBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD654 | 20 8.560 | 42 26.580 | 1188.2M | 978315.49 | 978644.41 | 37.81 | 95.15 | 0.00 | 0.00 | 1.24 | 96.39 | 0.85 | BD654 |
| BD655 | 20 9.350 | 42 31.470 | 1170.1M | 978325.03 | 978645.18 | 40.99 | -89.94 | 0.00 | 0.00 | 1.23 | -91.17 | 0.76 | BD655 |
| BD656 | 20 25.460 | 43 42.160 | 846.4M | 978409.99 | 978660.93 | 10.30 | -84.41 | 0.00 | 0.00 | 0.99 | -85.39 | 0.51 | BD656 |
| BD657 | 20 21.660 | 43 48.560 | 852.4M | 978406.73 | 978657.20 | 12.63 | -82.75 | 0.00 | 0.00 | 0.99 | -83.74 | 0.51 | BD657 |
| BD658 | 20 18.150 | 43 46.150 | 864.9M | 978405.04 | 978653.76 | 18.24 | -78.54 | 0.00 | 0.00 | 1.00 | -79.55 | 0.51 | BD658 |
| BD659 | 20 20.240 | 43 40.980 | 868.0M | 978398.15 | 978655.81 | 10.26 | -86.87 | 0.00 | 0.00 | 1.00 | -87.87 | 0.60 | BD659 |
| BD660 | 20 15.730 | 43 37.130 | 897.4M | 978389.93 | 978651.40 | 15.52 | -84.89 | 0.00 | 0.00 | 1.03 | -85.92 | 0.60 | BD660 |
| BD661 | 20 12.010 | 43 41.700 | 898.1M | 978382.26 | 978647.77 | 11.70 | -88.80 | 0.00 | 0.00 | 1.03 | -89.83 | 0.60 | BD661 |
| BD662 | 20 8.670 | 43 47.900 | 889.8M | 978388.23 | 978644.52 | 18.36 | -81.21 | 0.00 | 0.00 | 1.02 | -82.23 | 0.51 | BD662 |
| BD663 | 20 13.820 | 43 49.660 | 863.6M | 978401.86 | 978649.53 | 10.89 | -77.75 | 0.00 | 0.00 | 1.00 | -78.75 | 0.63 | BD663 |
| BD664 | 20 19.080 | 43 54.860 | 861.1M | 978399.74 | 978654.67 | 10.85 | -85.50 | 0.00 | 0.00 | 1.00 | -86.50 | 0.79 | BD664 |
| BD665 | 20 25.870 | 43 54.540 | 825.6M | 978411.17 | 978661.34 | 4.66 | -87.72 | 0.00 | 0.00 | 0.97 | -88.69 | 1.37 | BD665 |
| BD666 | 20 29.080 | 43 50.520 | 823.0M | 978409.62 | 978664.50 | -0.85 | -92.94 | 0.00 | 0.00 | 0.97 | -93.91 | 0.51 | BD666 |
| BD667 | 20 30.920 | 43 44.430 | 841.0M | 978403.19 | 978666.31 | -3.54 | -97.65 | 0.00 | 0.00 | 0.98 | -98.63 | 0.51 | BD667 |
| BD668 | 20 24.810 | 43 28.560 | 916.3M | 978368.94 | 978660.29 | -8.53 | 111.06 | 0.00 | 0.00 | 1.04 | -112.11 | 0.51 | BD668 |
| BD669 | 20 20.300 | 43 27.820 | 941.9M | 978385.06 | 978655.87 | 19.91 | -85.49 | 0.00 | 0.00 | 1.07 | -86.55 | 0.51 | BD669 |
| BD670 | 20 18.130 | 43 33.190 | 907.2M | 978393.26 | 978653.74 | 19.53 | -81.98 | 0.00 | 0.00 | 1.04 | -83.02 | 0.51 | BD670 |
| BD671 | 20 23.070 | 43 35.140 | 886.2M | 978387.24 | 978658.59 | 2.19 | -96.97 | 0.00 | 0.00 | 1.02 | -97.99 | 0.85 | BD671 |
| BD672 | 20 27.450 | 43 36.320 | 876.5M | 978407.12 | 978662.89 | 14.77 | -83.31 | 0.00 | 0.00 | 1.01 | -84.32 | 0.51 | BD672 |
| BD673 | 20 31.550 | 43 39.340 | 857.8M | 978411.03 | 978666.93 | 8.87 | -87.12 | 0.00 | 0.00 | 1.00 | -88.11 | 0.54 | BD673 |
| BD674 | 20 34.810 | 43 32.960 | 870.4M | 978407.08 | 978670.16 | 5.58 | 91.81 | 0.00 | 0.00 | 1.01 | -92.82 | 0.60 | BD674 |
| BD675 | 20 31.110 | 43 30.660 | 898.0M | 978398.42 | 978666.50 | 9.10 | -91.39 | 0.00 | 0.00 | 1.03 | -92.42 | 0.51 | BD675 |
| BD676 | 20 34.340 | 43 21.730 | 935.2M | 978397.53 | 978669.69 | 16.49 | -88.15 | 0.00 | 0.00 | 1.06 | -89.21 | 0.25 | BD676 |
| BD677 | 20 30.570 | 43 18.850 | 969.5M | 978391.79 | 978665.97 | 25.06 | -83.42 | 0.00 | 0.00 | 1.09 | -84.51 | 0.34 | BD677 |
| BD678 | 20 31.730 | 43 13.460 | 972.7M | 978375.15 | 978667.11 | 8.27 | -100.58 | 0.00 | 0.00 | 1.09 | -101.67 | 0.34 | BD678 |
| BD679 | 20 34.510 | 43 8.080 | 991.4M | 978372.48 | 978669.86 | 8.61 | -102.32 | 0.00 | 0.00 | 1.10 | -103.43 | 0.34 | BD679 |
| BD680 | 20 29.760 | 43 6.240 | 1021.7M | 978344.31 | 978665.17 | 5.52 | -119.84 | 0.00 | 0.00 | 1.13 | -120.97 | 0.25 | BD680 |
| BD681 | 20 27.040 | 43 11.780 | 996.8M | 978357.57 | 978662.49 | 2.75 | -108.79 | 0.00 | 0.00 | 1.11 | -109.90 | 0.32 | BD681 |
| BD682 | 20 24.290 | 43 16.320 | 989.6M | 978364.32 | 978659.78 | 9.98 | -100.75 | 0.00 | 0.00 | 1.10 | -101.85 | 0.25 | BD682 |
| BD683 | 20 22.260 | 43 21.440 | 1005.1M | 978367.44 | 978657.79 | 19.88 | -92.59 | 0.00 | 0.00 | 1.11 | -93.71 | 0.25 | BD683 |
| BD684 | 20 26.820 | 43 23.990 | 947.7M | 978391.99 | 978662.27 | 22.23 | -83.81 | 0.00 | 0.00 | 1.07 | -84.88 | 0.32 | BD684 |
| BD685 | 20 32.210 | 43 26.830 | 915.9M | 978400.29 | 978667.59 | 15.40 | -87.09 | 0.00 | 0.00 | 1.04 | -88.13 | 0.51 | BD685 |
| BD686 | 20 36.600 | 43 28.520 | 882.4M | 978405.54 | 978671.93 | 5.98 | -92.76 | 0.00 | 0.00 | 1.02 | -93.78 | 0.29 | BD686 |
| BD687 | 20 39.240 | 43 23.070 | 917.2M | 978411.49 | 978674.55 | 20.04 | -82.59 | 0.00 | 0.00 | 1.05 | -83.63 | 0.32 | BD687 |
| BD688 | 20 42.110 | 43 18.110 | 944.2M | 978412.08 | 978677.40 | 26.12 | -79.54 | 0.00 | 0.00 | 1.07 | -80.60 | 0.27 | BD688 |
| BD689 | 20 39.460 | 43 9.880 | 971.3M | 978381.40 | 978674.77 | 6.43 | -102.26 | 0.00 | 0.00 | 1.09 | -103.34 | 0.37 | BD689 |
| BD690 | 20 36.670 | 43 15.070 | 965.3M | 978385.70 | 978672.00 | 11.65 | -96.37 | 0.00 | 0.00 | 1.08 | -97.45 | 0.37 | BD690 |
| BD691 | 20 26.010 | 42 15.380 | 1258.0M | 978305.62 | 978661.47 | 32.41 | -108.36 | 0.00 | 0.00 | 1.28 | -109.64 | 0.82 | BD691 |
| BD692 | 20 25.620 | 42 20.750 | 1200.6M | 978348.26 | 978661.09 | 57.72 | -76.62 | 0.00 | 0.00 | 1.25 | -77.87 | 0.82 | BD692 |
| BD693 | 20 30.870 | 42 20.380 | 1263.9M | 978328.79 | 978666.26 | 52.61 | -88.82 | 0.00 | 0.00 | 1.29 | -90.11 | 0.82 | BD693 |
| BD694 | 20 36.520 | 42 20.660 | 1147.6M | 978345.82 | 978671.85 | 28.16 | -100.25 | 0.00 | 0.00 | 1.21 | -101.47 | 0.89 | BD694 |
| BD695 | 20 36.790 | 42 15.030 | 1197.5M | 978335.93 | 978672.12 | 33.41 | -100.59 | 0.00 | 0.00 | 1.25 | -101.84 | 0.89 | BD695 |
| BD696 | 20 30.970 | 42 14.190 | 1306.7M | 978302.13 | 978666.36 | 39.06 | -107.16 | 0.00 | 0.00 | 1.31 | -108.47 | 0.82 | BD696 |
| BD697 | 20 27.730 | 42 7.980 | 1247.1M | 978307.37 | 978663.17 | 29.10 | -110.45 | 0.00 | 0.00 | 1.28 | -111.73 | 0.82 | BD697 |
| BD698 | 20 20.160 | 42 14.710 | 1290.3M | 978280.56 | 978655.73 | 23.06 | -121.33 | 0.00 | 0.00 | 1.30 | -122.63 | 0.89 | BD698 |
| BD699 | 20 19.890 | 42 9.160 | 1304.2M | 978282.99 | 978655.47 | 30.04 | -115.90 | 0.00 | 0.00 | 1.31 | -117.21 | 0.92 | BD699 |
| BD700 | 20 14.780 | 42 8.280 | 1321.7M | 978267.95 | 978650.47 | 25.39 | -122.51 | 0.00 | 0.00 | 1.32 | -123.82 | 0.82 | BD700 |
| BD701 | 20 14.620 | 42 3.050 | 1335.2M | 978274.92 | 978650.31 | 36.69 | -112.72 | 0.00 | 0.00 | 1.32 | -114.04 | 0.85 | BD701 |
| BD702 | 20 14.460 | 42 13.940 | 1306.8M | 978248.82 | 978650.16 | 1.98 | -144.25 | 0.00 | 0.00 | 1.31 | -145.56 | 0.82 | BD702 |
| BD703 | 20 20.000 | 42 26.350 | 1175.9M | 978334.61 | 978655.57 | 41.96 | -89.62 | 0.00 | 0.00 | 1.23 | -90.85 | 0.79 | BD703 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BD704 | 20 20.520 | 42 20.170 | 1229.1M | 978310.27 | 978656.08 | 33.53 | -104.00 | 0.00 | 0.00 | 1.27 | -105.27 | 0.79 | BD704 |
| BD705 | 20 14.670 | 42 20.690 | 1237.8M | 978291.74 | 978650.36 | 23.41 | -115.10 | 0.00 | 0.00 | 1.27 | -116.37 | 0.82 | BD705 |
| BD706 | 20 14.270 | 42 26.380 | 1189.5M | 978326.98 | 978649.97 | 44.14 | -80.97 | 0.00 | 0.00 | 1.24 | -90.21 | 0.82 | BD706 |
| BD707 | 20 14.460 | 42 31.050 | 1148.2M | 978323.14 | 978650.16 | 27.36 | 101.12 | 0.00 | 0.00 | 1.22 | -102.33 | 0.82 | BD707 |
| BD708 | 20 20.080 | 42 31.240 | 1145.1M | 978325.22 | 978655.65 | 22.99 | -105.14 | 0.00 | 0.00 | 1.21 | -106.36 | 0.89 | BD708 |
| BD709 | 20 25.820 | 42 36.970 | 1087.1M | 978352.95 | 978661.29 | 27.19 | 94.46 | 0.00 | 0.00 | 1.17 | -95.63 | 0.76 | BD709 |
| BD710 | 20 25.730 | 42 31.800 | 1118.0M | 978343.44 | 978661.20 | 27.30 | -97.80 | 0.00 | 0.00 | 1.20 | -98.99 | 0.79 | BD710 |
| BD711 | 20 31.250 | 42 31.610 | 1137.4M | 978352.79 | 978666.64 | 37.20 | -90.00 | 0.00 | 0.00 | 1.21 | -91.28 | 0.89 | BD711 |
| BD712 | 20 32.170 | 42 26.030 | 1159.9M | 978346.59 | 978667.55 | 37.03 | -92.76 | 0.00 | 0.00 | 1.22 | -93.98 | 0.82 | BD712 |
| BD713 | 20 25.230 | 42 26.010 | 1159.8M | 978345.59 | 978660.71 | 42.84 | -86.94 | 0.00 | 0.00 | 1.22 | -88.16 | 0.82 | BD713 |
| BD714 | 20 4.860 | 42 3.760 | 1525.7M | 978235.13 | 978640.82 | 65.16 | -105.56 | 0.00 | 0.00 | 1.41 | -106.97 | 0.95 | BD714 |
| BD715 | 20 3.370 | 42 8.560 | 1396.3M | 978243.93 | 978639.37 | 35.48 | -120.76 | 0.00 | 0.00 | 1.36 | -122.11 | 1.21 | BD715 |
| BD716 | 20 8.750 | 42 8.590 | 1367.0M | 978248.26 | 978644.59 | 25.56 | -127.41 | 0.00 | 0.00 | 1.34 | -128.75 | 1.10 | BD716 |
| BD717 | 20 9.240 | 42 2.590 | 1495.5M | 978242.97 | 978645.07 | 59.43 | -107.91 | 0.00 | 0.00 | 1.40 | -109.31 | 1.05 | BD717 |
| BD718 | 20 8.970 | 41 56.810 | 1517.2M | 978244.95 | 978644.81 | 60.37 | -101.40 | 0.00 | 0.00 | 1.41 | -102.81 | 1.21 | BD718 |
| BD719 | 20 3.060 | 41 56.780 | 1477.1M | 978244.52 | 978639.05 | 60.53 | -104.75 | 0.00 | 0.00 | 1.39 | -106.14 | 1.01 | BD719 |
| BD720 | 19 58.480 | 41 52.470 | 1541.0M | 978225.36 | 978634.64 | 66.29 | -106.14 | 0.00 | 0.00 | 1.42 | -107.56 | 0.98 | BD720 |
| BD721 | 19 58.860 | 41 57.210 | 1513.3M | 978235.57 | 978635.01 | 67.58 | -101.75 | 0.00 | 0.00 | 1.41 | -103.16 | 1.01 | BD721 |
| BD722 | 19 58.450 | 42 3.100 | 1687.4M | 978207.21 | 978634.62 | 93.33 | -95.49 | 0.00 | 0.00 | 1.46 | -96.95 | 1.05 | BD722 |
| BD723 | 19 57.690 | 42 9.450 | 1332.2M | 978274.08 | 978633.88 | 51.35 | -97.72 | 0.00 | 0.00 | 1.32 | -99.04 | 0.98 | BD723 |
| BD724 | 19 45.530 | 41 56.150 | 1759.8M | 978178.64 | 978622.20 | 99.52 | -97.40 | 0.00 | 0.00 | 1.48 | -98.88 | 1.01 | BD724 |
| BD725 | 19 41.470 | 42 2.730 | 1881.5M | 978141.63 | 978618.32 | 103.92 | 106.62 | 0.00 | 0.00 | 1.50 | -108.12 | 1.05 | BD725 |
| BD726 | 19 36.770 | 42 4.740 | 1724.3M | 978161.41 | 978613.85 | 79.68 | -113.26 | 0.00 | 0.00 | 1.47 | -114.74 | 1.01 | BD726 |
| BD727 | 19 36.780 | 41 56.640 | 1962.5M | 978124.71 | 978613.86 | 116.46 | -103.14 | 0.00 | 0.00 | 1.51 | -104.66 | 1.01 | BD727 |
| BD728 | 19 41.960 | 41 58.790 | 1946.8M | 978136.37 | 978618.79 | 110.34 | -99.50 | 0.00 | 0.00 | 1.51 | -101.02 | 1.01 | BD728 |
| BD729 | 19 42.260 | 41 53.880 | 1893.3M | 978141.44 | 978619.08 | 106.62 | -105.24 | 0.00 | 0.00 | 1.51 | -106.74 | 1.01 | BD729 |
| BD730 | 19 46.930 | 41 51.580 | 1806.5M | 978150.99 | 978623.54 | 92.93 | -109.22 | 0.00 | 0.00 | 1.49 | -110.71 | 1.01 | BD730 |
| BD731 | 19 52.640 | 41 52.440 | 1649.9M | 978204.63 | 978629.02 | 84.78 | -99.84 | 0.00 | 0.00 | 1.45 | -101.29 | 1.01 | BD731 |
| BD732 | 19 52.660 | 41 56.440 | 1611.5M | 978211.10 | 978629.04 | 79.39 | -100.93 | 0.00 | 0.00 | 1.44 | -102.37 | 1.01 | BD732 |
| BD733 | 19 52.550 | 42 3.050 | 1481.5M | 978229.09 | 978628.93 | 57.38 | -108.40 | 0.00 | 0.00 | 1.39 | -109.79 | 1.01 | BD733 |
| BD734 | 19 52.230 | 42 8.680 | 1452.0M | 978243.95 | 978628.62 | 63.68 | -98.88 | 0.00 | 0.00 | 1.38 | -100.26 | 1.05 | BD734 |
| BD735 | 19 46.470 | 42 8.510 | 1621.0M | 978195.70 | 978623.10 | 72.06 | -108.53 | 0.00 | 0.00 | 1.44 | -109.98 | 1.11 | BD735 |
| BD736 | 19 47.340 | 42 3.760 | 1650.3M | 978188.34 | 978623.93 | 73.70 | -110.96 | 0.00 | 0.00 | 1.45 | -112.42 | 1.01 | BD736 |
| BD737 | 20 32.340 | 43 51.090 | 802.4M | 978417.55 | 978667.71 | -2.50 | -92.28 | 0.00 | 0.00 | 0.95 | 93.23 | 0.51 | BD737 |
| BD738 | 20 23.990 | 43 3.450 | 1053.9M | 978327.71 | 978659.49 | -6.49 | -124.42 | 0.00 | 0.00 | 1.15 | -125.57 | 0.34 | BD738 |
| BD739 | 20 22.500 | 43 9.200 | 1024.6M | 978353.15 | 978658.03 | 11.37 | -103.20 | 0.00 | 0.00 | 1.13 | -104.41 | 0.34 | BD739 |
| BD740 | 20 42.300 | 43 14.400 | 969.3M | 978411.01 | 978677.59 | 32.60 | 75.86 | 0.00 | 0.00 | 1.09 | -76.95 | 0.25 | BD740 |
| BD741 | 20 37.530 | 42 25.750 | 1098.6M | 978363.56 | 978672.05 | 29.70 | 93.15 | 0.00 | 0.00 | 1.18 | -94.33 | 0.89 | BD741 |
| BD742 | 20 35.140 | 42 30.360 | 1130.9M | 978360.39 | 978670.48 | 30.95 | 87.60 | 0.00 | 0.00 | 1.20 | -88.80 | 0.92 | BD742 |
| BD743 | 20 30.490 | 42 38.930 | 1080.9M | 978368.98 | 978665.89 | 36.70 | -84.25 | 0.00 | 0.00 | 1.17 | 85.42 | 0.92 | BD743 |
| BD744 | 20 27.850 | 42 45.200 | 1092.6M | 978354.60 | 978663.29 | 20.54 | -93.72 | 0.00 | 0.00 | 1.18 | -94.90 | 0.89 | BD744 |
| HAMDABAS | 18 54.710 | 43 41.200 | 1352.0M | 978175.19 | 978574.47 | 17.99 | -133.29 | 0.00 | 0.00 | 1.33 | -134.63 | 0.32 | HAMDABAS |
| JED APT | 21 30.129 | 39 12.343 | 15.2M | 978741.03 | 978725.90 | 19.83 | 18.13 | 0.00 | 0.00 | 0.02 | 18.11 | 0.66 | JED APT |
| JQ001 | 19 41.590 | 40 58.010 | 75.5M | 978586.43 | 978618.44 | -8.70 | 17.15 | 0.00 | 0.00 | 0.11 | -17.25 | 0.39 | JQ001 |
| JQ002 | 19 19.900 | 41 6.230 | 26.0M | 978608.40 | 978597.91 | 18.53 | 15.62 | 0.00 | 0.00 | 0.04 | 15.58 | 0.23 | JQ002 |
| JQ003 | 19 20.340 | 40 57.340 | 0.0M | 978619.02 | 978598.32 | 20.70 | 20.70 | 0.00 | 0.00 | 0.00 | 20.70 | 0.21 | JQ003 |
| JQ004 | 19 16.690 | 41 1.200 | 3.0M | 978615.61 | 978594.89 | 21.64 | 21.31 | 0.00 | 0.00 | 0.00 | 21.30 | 0.21 | JQ004 |
| JQ005 | 19 11.320 | 41 2.090 | 4.0M | 978607.64 | 978589.87 | 19.00 | 18.55 | 0.00 | 0.00 | 0.01 | 18.55 | 0.21 | JQ005 |
| JQ006 | 19 14.090 | 41 9.100 | 21.0M | 978597.77 | 978593.21 | 11.05 | 8.70 | 0.00 | 0.00 | 0.03 | 8.67 | 0.23 | JQ006 |
| JQ007 | 19 18.160 | 41 13.160 | 50.7M | 978559.07 | 978596.27 | -19.08 | 25.65 | 0.00 | 0.00 | 0.08 | -25.74 | 0.39 | JQ007 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQ008 | 19 23.240 | 41 10.120 | 56.5M | 978574.12 | 978601.05 | -9.48 | -15.81 | 0.00 | 0.00 | 0.08 | -15.89 | 0.39 | JQ008 |
| JQ009 | 19 27.650 | 41 7.890 | 67.1M | 978576.82 | 978605.20 | 7.67 | -15.18 | 0.00 | 0.00 | 0.10 | -15.27 | 0.23 | JQ009 |
| JQ010 | 19 23.320 | 41 2.260 | 20.8M | 978622.01 | 978601.12 | 27.31 | 24.99 | 0.00 | 0.00 | 0.03 | 24.96 | 0.60 | JQ010 |
| JQ011 | 19 33.020 | 41 17.010 | 146.5M | 978532.37 | 978610.29 | -32.69 | -49.08 | 0.00 | 0.00 | 0.21 | -49.29 | 0.39 | JQ011 |
| JQ012 | 19 29.940 | 41 11.840 | 114.3M | 978543.65 | 978607.37 | 28.43 | 41.22 | 0.00 | 0.00 | 0.16 | -41.38 | 0.39 | JQ012 |
| JQ013 | 19 26.420 | 41 14.900 | 94.9M | 978548.23 | 978604.04 | -26.51 | -37.13 | 0.00 | 0.00 | 0.14 | -37.27 | 0.60 | JQ013 |
| JQ014 | 19 28.750 | 41 19.300 | 146.7M | 978513.04 | 978606.24 | -47.91 | -64.33 | 0.00 | 0.00 | 0.21 | -64.54 | 0.57 | JQ014 |
| JQ015 | 19 31.570 | 41 24.410 | 225.5M | 978497.69 | 978608.91 | 41.61 | -66.84 | 0.00 | 0.00 | 0.31 | -67.16 | 0.60 | JQ015 |
| JQ016 | 19 36.010 | 41 21.580 | 258.0M | 978497.99 | 978613.12 | 35.49 | 64.36 | 0.00 | 0.00 | 0.35 | -64.71 | 0.51 | JQ016 |
| JQ017 | 19 41.950 | 41 31.290 | 418.8M | 978434.37 | 978618.78 | 55.13 | 102.00 | 0.00 | 0.00 | 0.55 | 102.55 | 0.51 | JQ017 |
| JQ018 | 19 44.430 | 41 36.470 | 897.6M | 978327.75 | 978621.15 | 16.34 | -116.78 | 0.00 | 0.00 | 1.03 | -117.81 | 0.79 | JQ018 |
| JQ019 | 19 47.600 | 41 40.330 | 1120.5M | 978285.51 | 978624.18 | 7.17 | -118.21 | 0.00 | 0.00 | 1.20 | -119.41 | 0.98 | JQ019 |
| JQ020 | 19 39.800 | 41 27.000 | 452.8M | 978440.92 | 978616.73 | -28.04 | -78.70 | 0.00 | 0.00 | 0.59 | -79.30 | 0.51 | JQ020 |
| JQ021 | 19 44.640 | 41 15.690 | 551.1M | 978450.11 | 978621.35 | 1.12 | -62.79 | 0.00 | 0.00 | 0.70 | -63.49 | 0.60 | JQ021 |
| JQ022 | 19 51.980 | 41 16.850 | 706.9M | 978403.98 | 978628.38 | -6.20 | -85.30 | 0.00 | 0.00 | 0.86 | -86.16 | 0.60 | JQ022 |
| JQ023 | 19 46.830 | 41 20.280 | 541.6M | 978434.05 | 978623.44 | -22.21 | -82.81 | 0.00 | 0.00 | 0.69 | -83.50 | 0.60 | JQ023 |
| JQ024 | 19 42.570 | 41 24.270 | 285.8M | 978482.04 | 978619.37 | 49.10 | -81.08 | 0.00 | 0.00 | 0.39 | 81.47 | 0.60 | JQ024 |
| JQ025 | 19 40.540 | 41 19.180 | 278.7M | 978493.85 | 978617.44 | -37.55 | -68.73 | 0.00 | 0.00 | 0.38 | -69.11 | 0.63 | JQ025 |
| JQ026 | 19 37.090 | 41 14.610 | 228.2M | 978521.62 | 978614.15 | 22.08 | -47.61 | 0.00 | 0.00 | 0.32 | 47.93 | 0.69 | JQ026 |
| JQ027 | 19 41.550 | 41 11.620 | 221.9M | 978516.32 | 978618.40 | 33.57 | -58.40 | 0.00 | 0.00 | 0.31 | -58.71 | 0.54 | JQ027 |
| JQ028 | 19 46.860 | 41 7.890 | 220.0M | 978525.32 | 978623.47 | 30.23 | 54.85 | 0.00 | 0.00 | 0.30 | -55.16 | 0.66 | JQ028 |
| JQ029 | 19 49.720 | 41 12.060 | 865.7M | 978389.58 | 978626.21 | 30.57 | -66.30 | 0.00 | 0.00 | 1.00 | -67.30 | 0.66 | JQ029 |
| JQ030 | 19 35.070 | 41 0.030 | 43.7M | 978607.44 | 978612.23 | 0.70 | 3.81 | 0.00 | 0.00 | 0.06 | 3.74 | 0.51 | JQ030 |
| JQ031 | 19 38.950 | 41 5.930 | 124.3M | 978546.65 | 978615.92 | -30.89 | 44.80 | 0.00 | 0.00 | 0.18 | -44.98 | 0.51 | JQ031 |
| JQ032 | 19 43.450 | 41 2.900 | 91.7M | 978563.64 | 978620.21 | -20.26 | -38.52 | 0.00 | 0.00 | 0.13 | -38.65 | 0.57 | JQ032 |
| JQ033 | 19 34.780 | 41 8.790 | 96.0M | 978546.47 | 978611.96 | -35.85 | -46.59 | 0.00 | 0.00 | 0.14 | -46.73 | 0.54 | JQ033 |
| JQ034 | 19 31.440 | 41 4.150 | 51.6M | 978593.05 | 978608.79 | 0.19 | -5.58 | 0.00 | 0.00 | 0.07 | -5.66 | 0.54 | JQ034 |
| JQ035 | 19 27.020 | 40 57.320 | 1.1M | 978629.64 | 978604.61 | 25.37 | 25.25 | 0.00 | 0.00 | 0.00 | 25.25 | 0.60 | JQ035 |
| JQ036 | 19 31.710 | 40 54.050 | 0.0M | 978634.59 | 978609.04 | 25.55 | 25.55 | 0.00 | 0.00 | 0.00 | 25.55 | 0.21 | JQ036 |
| JQ037 | 19 34.350 | 40 48.480 | 0.0M | 978634.84 | 978611.55 | 23.29 | 23.29 | 0.00 | 0.00 | 0.00 | 23.29 | 0.21 | JQ037 |
| JQ038 | 19 38.410 | 40 53.870 | 23.5M | 978646.33 | 978615.41 | 38.18 | 35.55 | 0.00 | 0.00 | 0.03 | 35.51 | 0.54 | JQ038 |
| JQ039 | 19 49.490 | 40 51.890 | 85.7M | 978605.40 | 978625.99 | 5.87 | -3.72 | 0.00 | 0.00 | 0.12 | -3.85 | 0.54 | JQ039 |
| JQ040 | 19 44.680 | 40 55.100 | 52.2M | 978603.74 | 978621.39 | -1.53 | -7.37 | 0.00 | 0.00 | 0.08 | -7.45 | 0.66 | JQ040 |
| JQ041 | 19 42.060 | 40 47.540 | 1.0M | 978650.49 | 978618.88 | 39.91 | 39.80 | 0.00 | 0.00 | 0.00 | 39.80 | 0.22 | JQ041 |
| JQ042 | 19 45.810 | 40 45.640 | 0.0M | 978666.49 | 978622.47 | 44.03 | 44.03 | 0.00 | 0.00 | 0.00 | 44.03 | 0.21 | JQ042 |
| JQ043 | 19 47.880 | 40 38.740 | 0.0M | 978651.28 | 978624.45 | 26.83 | 26.83 | 0.00 | 0.00 | 0.00 | 26.83 | 0.63 | JQ043 |
| JQ044 | 19 50.930 | 40 43.290 | 15.0M | 978670.55 | 978627.38 | 47.80 | 46.12 | 0.00 | 0.00 | 0.02 | 46.10 | 0.57 | JQ044 |
| JQ045 | 19 53.600 | 40 49.040 | 78.1M | 978606.90 | 978629.94 | 1.07 | -7.67 | 0.00 | 0.00 | 0.11 | -7.79 | 0.54 | JQ045 |
| JQ046 | 19 57.760 | 40 54.050 | 161.6M | 978540.35 | 978633.95 | -43.71 | -61.79 | 0.00 | 0.00 | 0.23 | -62.02 | 0.57 | JQ046 |
| JQ047 | 19 52.490 | 40 56.560 | 177.8M | 978540.59 | 978628.87 | -33.39 | 53.29 | 0.00 | 0.00 | 0.25 | -53.54 | 0.60 | JQ047 |
| JQ048 | 19 47.310 | 41 1.430 | 125.9M | 978547.28 | 978623.90 | 37.76 | -51.85 | 0.00 | 0.00 | 0.18 | -52.03 | 0.57 | JQ048 |
| JQ049 | 19 58.770 | 41 5.850 | 253.8M | 978510.76 | 978634.92 | 45.81 | -74.21 | 0.00 | 0.00 | 0.35 | -74.56 | 0.69 | JQ049 |
| JQ050 | 19 55.490 | 41 1.040 | 175.7M | 978523.40 | 978631.76 | -54.12 | -73.78 | 0.00 | 0.00 | 0.25 | 74.02 | 0.73 | JQ050 |
| JQ051 | 19 50.840 | 41 5.060 | 257.5M | 978516.11 | 978627.29 | -31.68 | -60.50 | 0.00 | 0.00 | 0.35 | -60.85 | 0.69 | JQ051 |
| JQ052 | 19 53.380 | 41 9.320 | 262.9M | 978504.14 | 978629.73 | 44.44 | 73.85 | 0.00 | 0.00 | 0.36 | -74.21 | 0.69 | JQ052 |
| JQ053 | 19 56.960 | 41 13.390 | 391.1M | 978470.57 | 978633.18 | 41.88 | -85.64 | 0.00 | 0.00 | 0.52 | -86.16 | 0.69 | JQ053 |
| JQ054 | 20 1.750 | 41 10.580 | 442.0M | 978467.81 | 978637.81 | 33.55 | -83.01 | 0.00 | 0.00 | 0.58 | -83.59 | 0.82 | JQ054 |
| JQ055 | 20 6.300 | 41 7.690 | 360.5M | 978480.83 | 978642.21 | 42.10 | -82.44 | 0.00 | 0.00 | 0.48 | -82.92 | 0.69 | JQ055 |
| JQ056 | 20 3.320 | 41 3.150 | 336.2M | 978494.73 | 978639.33 | 40.81 | 78.43 | 0.00 | 0.00 | 0.45 | -78.88 | 0.69 | JQ056 |
| JQ057 | 20 0.240 | 40 58.430 | 449.9M | 978459.17 | 978636.35 | -38.29 | -88.64 | 0.00 | 0.00 | 0.59 | -89.22 | 0.76 | JQ057 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | CBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQ058 | 20 3.880 | 41 16.190 | 887.2M | 978360.55 | 978639.87 | 5.47 | -104.74 | 0.00 | 0.00 | 1.02 | -105.77 | 0.98 | JQ058 |
| JQ059 | 20 2.230 | 41 14.100 | 892.2M | 978351.39 | 978645.06 | 18.28 | -118.12 | 0.00 | 0.00 | 1.02 | -119.14 | 1.01 | JQ059 |
| JQ060 | 19 58.900 | 41 20.270 | 719.6M | 978406.23 | 978635.05 | -6.70 | 87.22 | 0.00 | 0.00 | 0.87 | -88.09 | 1.08 | JQ060 |
| JQ061 | 19 50.180 | 41 23.860 | 464.4M | 978450.42 | 978626.66 | -32.88 | 84.85 | 0.00 | 0.00 | 0.60 | 85.45 | 0.66 | JQ061 |
| JQ062 | 19 46.370 | 41 27.920 | 386.7M | 978453.19 | 978623.00 | 50.44 | 93.71 | 0.00 | 0.00 | 0.51 | 94.23 | 0.69 | JQ062 |
| JQ063 | 19 47.420 | 41 33.260 | 758.7M | 978360.02 | 978624.01 | -29.80 | -114.69 | 0.00 | 0.00 | 0.91 | -115.60 | 0.89 | JQ063 |
| JQ064 | 19 53.510 | 41 30.050 | 913.7M | 978343.63 | 978629.86 | -4.20 | -106.44 | 0.00 | 0.00 | 1.04 | -107.49 | 0.89 | JQ064 |
| JQ065 | 19 58.660 | 41 26.480 | 1031.3M | 978321.99 | 978634.82 | 5.48 | -109.92 | 0.00 | 0.00 | 1.13 | -111.05 | 1.18 | JQ065 |
| JQ066 | 19 54.980 | 41 21.530 | 710.4M | 978407.10 | 978631.27 | 4.88 | 84.38 | 0.00 | 0.00 | 0.86 | 85.24 | 0.66 | JQ066 |
| JQ067 | 19 58.770 | 40 37.170 | 25.1M | 978652.46 | 978634.92 | 25.28 | 22.47 | 0.00 | 0.00 | 0.04 | 22.44 | 0.21 | JQ067 |
| JQ068 | 19 59.090 | 40 46.090 | 81.7M | 978600.38 | 978635.23 | -9.63 | 18.78 | 0.00 | 0.00 | 0.12 | -18.89 | 0.22 | JQ068 |
| JQ069 | 20 4.000 | 40 44.010 | 173.2M | 978592.97 | 978639.98 | 12.06 | -24.73 | 0.00 | 0.00 | 0.16 | -24.89 | 0.51 | JQ069 |
| JQ070 | 20 7.380 | 40 39.110 | 116.6M | 978596.22 | 978643.26 | -11.05 | 24.09 | 0.00 | 0.00 | 0.17 | -24.26 | 0.39 | JQ070 |
| JQ071 | 20 4.600 | 40 34.180 | 28.1M | 978646.79 | 978640.57 | 14.90 | 11.75 | 0.00 | 0.00 | 0.04 | 11.71 | 0.22 | JQ071 |
| JQ072 | 20 0.300 | 40 27.860 | 0.2M | 978672.31 | 978636.40 | 35.97 | 35.95 | 0.00 | 0.00 | 0.00 | 35.95 | 0.21 | JQ072 |
| JQ073 | 19 57.920 | 40 32.250 | 0.3M | 978665.59 | 978634.10 | 31.58 | 31.55 | 0.00 | 0.00 | 0.00 | 31.55 | 0.21 | JQ073 |
| JQ074 | 19 52.700 | 40 34.610 | 0.2M | 978654.21 | 978629.08 | 25.19 | 25.17 | 0.00 | 0.00 | 0.00 | 25.17 | 0.21 | JQ074 |
| JQ075 | 19 55.700 | 40 40.570 | 29.0M | 978651.43 | 978631.96 | 20.42 | 25.17 | 0.00 | 0.00 | 0.04 | 25.13 | 0.23 | JQ075 |
| JQ076 | 20 8.430 | 40 52.870 | 164.1M | 978538.16 | 978644.28 | -55.46 | -73.82 | 0.00 | 0.00 | 0.23 | -74.05 | 0.63 | JQ076 |
| JQ077 | 20 7.340 | 40 59.350 | 203.9M | 978511.61 | 978643.22 | 68.67 | 91.49 | 0.00 | 0.00 | 0.28 | 91.77 | 0.66 | JQ077 |
| JQ078 | 20 5.090 | 40 54.890 | 180.3M | 978523.46 | 978641.04 | -61.92 | -82.10 | 0.00 | 0.00 | 0.25 | -82.35 | 0.63 | JQ078 |
| JQ079 | 20 1.880 | 40 49.640 | 97.7M | 978565.72 | 978637.93 | 42.05 | -52.98 | 0.00 | 0.00 | 0.14 | -53.12 | 0.51 | JQ079 |
| JQ080 | 20 5.760 | 40 46.910 | 114.5M | 978575.08 | 978641.69 | -31.26 | -44.08 | 0.00 | 0.00 | 0.16 | -44.24 | 0.63 | JQ080 |
| JQ081 | 20 10.660 | 40 43.510 | 163.8M | 978559.11 | 978646.45 | 36.78 | -55.10 | 0.00 | 0.00 | 0.23 | -55.33 | 0.66 | JQ081 |
| JQ082 | 20 13.260 | 40 48.850 | 217.4M | 978514.88 | 978648.99 | 67.00 | -91.32 | 0.00 | 0.00 | 0.30 | 91.63 | 0.63 | JQ082 |
| JQ083 | 20 15.680 | 40 53.250 | 258.6M | 978497.19 | 978651.35 | -74.33 | -103.26 | 0.00 | 0.00 | 0.35 | -103.62 | 0.63 | JQ083 |
| JQ084 | 20 11.700 | 40 56.650 | 364.7M | 978463.72 | 978647.47 | 71.16 | 111.97 | 0.00 | 0.00 | 0.49 | -112.46 | 0.63 | JQ084 |
| JQ085 | 20 14.090 | 41 1.130 | 335.9M | 978478.97 | 978649.80 | 67.13 | 104.72 | 0.00 | 0.00 | 0.45 | -105.17 | 0.70 | JQ085 |
| JQ086 | 20 17.040 | 40 58.120 | 318.9M | 978480.34 | 978653.46 | 74.68 | -110.36 | 0.00 | 0.00 | 0.43 | -110.80 | 0.70 | JQ086 |
| JQ087 | 20 22.950 | 41 2.620 | 701.3M | 978409.68 | 978650.47 | -32.31 | -110.79 | 0.00 | 0.00 | 0.85 | -111.64 | 0.73 | JQ087 |
| JQ088 | 20 18.040 | 41 6.460 | 587.7M | 978447.74 | 978653.66 | -24.50 | 90.26 | 0.00 | 0.00 | 0.74 | -91.00 | 0.70 | JQ088 |
| JQ089 | 20 13.670 | 41 9.960 | 564.9M | 978429.28 | 978649.39 | -45.73 | -108.95 | 0.00 | 0.00 | 0.71 | -109.66 | 0.70 | JQ089 |
| JQ090 | 20 10.410 | 41 3.940 | 291.5M | 978499.19 | 978646.21 | 57.03 | -89.65 | 0.00 | 0.00 | 0.40 | -90.05 | 0.69 | JQ090 |
| JQ091 | 20 26.780 | 40 52.340 | 480.7M | 978470.46 | 978662.23 | 43.39 | -97.18 | 0.00 | 0.00 | 0.62 | -97.80 | 0.54 | JQ091 |
| JQ092 | 20 34.690 | 40 52.660 | 1223.9M | 978312.81 | 978670.04 | 20.50 | -116.45 | 0.00 | 0.00 | 1.26 | -117.71 | 0.54 | JQ092 |
| JQ093 | 20 30.770 | 40 56.820 | 744.1M | 978425.44 | 978666.16 | 11.04 | 94.31 | 0.00 | 0.00 | 0.89 | 95.20 | 0.54 | JQ093 |
| JQ094 | 20 26.830 | 40 59.160 | 785.1M | 978404.30 | 978662.28 | 15.65 | -103.50 | 0.00 | 0.00 | 0.93 | -104.43 | 0.79 | JQ094 |
| JQ095 | 20 18.680 | 40 24.860 | 91.8M | 978616.37 | 978654.28 | 9.57 | 19.84 | 0.00 | 0.00 | 0.13 | -19.97 | 0.39 | JQ095 |
| JQ096 | 20 23.070 | 40 54.560 | 384.5M | 978472.59 | 978658.59 | -67.31 | 110.33 | 0.00 | 0.00 | 0.51 | -110.84 | 0.54 | JQ096 |
| JQ097 | 20 20.050 | 40 50.120 | 304.7M | 978501.36 | 978655.62 | -60.20 | 94.29 | 0.00 | 0.00 | 0.41 | -94.71 | 0.82 | JQ097 |
| JQ098 | 20 24.310 | 40 47.180 | 521.6M | 978451.52 | 978659.80 | 47.20 | -105.64 | 0.00 | 0.00 | 0.67 | -106.31 | 0.45 | JQ098 |
| JQ099 | 20 29.020 | 40 43.980 | 488.2M | 978471.72 | 978664.44 | 42.02 | 96.65 | 0.00 | 0.00 | 0.63 | -97.28 | 0.57 | JQ099 |
| JQ100 | 20 32.970 | 40 48.850 | 855.0M | 978389.07 | 978668.34 | 15.11 | -110.88 | 0.00 | 0.00 | 0.99 | -111.87 | 0.79 | JQ100 |
| JQ101 | 20 18.690 | 40 38.550 | 143.6M | 978559.69 | 978654.29 | -50.27 | -66.33 | 0.00 | 0.00 | 0.20 | 66.54 | 0.42 | JQ101 |
| JQ102 | 20 21.830 | 40 42.140 | 303.6M | 978508.87 | 978657.37 | 54.78 | 88.75 | 0.00 | 0.00 | 0.41 | -89.16 | 0.51 | JQ102 |
| JQ103 | 20 26.710 | 40 38.910 | 687.1M | 978440.64 | 978662.16 | -9.44 | 86.32 | 0.00 | 0.00 | 0.84 | -87.16 | 0.48 | JQ103 |
| JQ104 | 20 23.270 | 40 34.510 | 150.8M | 978568.13 | 978658.78 | -44.10 | 60.97 | 0.00 | 0.00 | 0.21 | -61.18 | 0.48 | JQ104 |
| JQ105 | 20 20.900 | 40 29.300 | 159.8M | 978583.26 | 978656.46 | -23.87 | 41.75 | 0.00 | 0.00 | 0.22 | -41.97 | 0.42 | JQ105 |
| JQ106 | 20 15.650 | 40 33.290 | 95.3M | 978596.37 | 978651.32 | -25.53 | -36.19 | 0.00 | 0.00 | 0.14 | -36.33 | 0.39 | JQ106 |
| JQ107 | 20 10.910 | 40 35.950 | 100.8M | 978594.55 | 978646.70 | -21.03 | 32.31 | 0.00 | 0.00 | 0.14 | -32.45 | 0.45 | JQ107 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQ108 | 20 14.380 | 40 39.490 | 152.6M | 978560.78 | 978650.08 | -42.19 | 59.26 | 0.00 | 0.00 | 0.22 | 59.48 | 0.42 | JQ108 |
| JQ109 | 20 17.750 | 40 45.860 | 349.9M | 978494.00 | 978653.37 | 51.36 | 90.51 | 0.00 | 0.00 | 0.47 | -90.98 | 0.54 | JQ109 |
| JQ110 | 20 9.630 | 40 23.460 | 29.4M | 978671.53 | 978645.45 | 35.16 | 31.87 | 0.00 | 0.00 | 0.04 | 31.82 | 0.39 | JQ110 |
| JQ111 | 20 9.570 | 40 31.560 | 59.8M | 978638.14 | 978645.39 | 11.21 | 4.52 | 0.00 | 0.00 | 0.09 | 4.43 | 0.39 | JQ111 |
| JQ112 | 20 13.540 | 40 26.890 | 63.0M | 978634.82 | 978649.26 | 5.01 | -2.04 | 0.00 | 0.00 | 0.09 | -2.14 | 0.39 | JQ112 |
| JQ113 | 20 14.730 | 40 19.140 | 35.4M | 978668.54 | 978650.42 | 29.05 | 25.09 | 0.00 | 0.00 | 0.05 | 25.04 | 0.39 | JQ113 |
| JQ114 | 20 11.050 | 40 14.240 | 0.1M | 978682.24 | 978646.83 | 35.43 | 35.42 | 0.00 | 0.00 | 0.00 | 35.42 | 0.22 | JQ114 |
| JQ115 | 20 6.000 | 40 17.080 | 0.2M | 978675.98 | 978641.92 | 34.12 | 34.09 | 0.00 | 0.00 | 0.00 | 34.09 | 0.22 | JQ115 |
| JQ116 | 20 3.780 | 40 23.300 | 0.0M | 978682.54 | 978639.77 | 42.77 | 42.77 | 0.00 | 0.00 | 0.00 | 42.77 | 0.21 | JQ116 |
| JQ117 | 20 6.300 | 40 27.200 | 29.4M | 978672.81 | 978642.21 | 39.67 | 36.38 | 0.00 | 0.00 | 0.04 | 36.34 | 0.42 | JQ117 |
| JQ118 | 20 20.180 | 40 8.350 | 67.6M | 978648.92 | 978655.75 | 14.03 | 6.47 | 0.00 | 0.00 | 0.10 | 6.37 | 0.24 | JQ118 |
| JQ119 | 20 24.960 | 40 5.880 | 77.2M | 978632.08 | 978660.44 | -4.53 | -13.17 | 0.00 | 0.00 | 0.11 | -13.28 | 0.39 | JQ119 |
| JQ120 | 20 28.210 | 40 7.880 | 131.8M | 978615.56 | 978663.64 | -7.39 | 22.14 | 0.00 | 0.00 | 0.19 | 22.33 | 0.39 | JQ120 |
| JQ121 | 20 23.510 | 40 13.730 | 80.1M | 978632.02 | 978659.02 | -2.27 | 11.24 | 0.00 | 0.00 | 0.11 | -11.35 | 0.24 | JQ121 |
| JQ122 | 20 18.670 | 40 17.270 | 65.2M | 978651.74 | 978654.27 | 17.59 | 10.30 | 0.00 | 0.00 | 0.09 | 10.20 | 0.39 | JQ122 |
| JQ123 | 20 16.080 | 40 12.030 | 17.7M | 978673.80 | 978651.74 | 27.52 | 25.54 | 0.00 | 0.00 | 0.03 | 25.52 | 0.39 | JQ123 |
| JQ124 | 20 13.280 | 40 8.120 | 0.0M | 978679.56 | 978649.01 | 30.55 | 30.55 | 0.00 | 0.00 | 0.00 | 30.55 | 0.22 | JQ124 |
| JQ125 | 20 16.970 | 40 4.050 | 0.0M | 978672.20 | 978652.61 | 19.59 | 19.59 | 0.00 | 0.00 | 0.00 | 19.59 | 0.22 | JQ125 |
| JQ126 | 20 17.860 | 39 59.290 | 0.0M | 978670.10 | 978653.48 | 24.62 | 24.62 | 0.00 | 0.00 | 0.00 | 24.62 | 0.22 | JQ126 |
| JQ127 | 20 23.130 | 40 1.360 | 26.0M | 978651.23 | 978658.64 | 0.62 | 2.29 | 0.00 | 0.00 | 0.04 | -2.33 | 0.39 | JQ127 |
| JQ128 | 20 30.260 | 40 22.300 | 283.8M | 978569.15 | 978665.66 | 8.90 | 40.66 | 0.00 | 0.00 | 0.39 | -41.05 | 0.40 | JQ128 |
| JQ129 | 20 27.410 | 40 18.630 | 212.1M | 978587.74 | 978662.85 | -9.64 | -33.37 | 0.00 | 0.00 | 0.29 | -33.67 | 0.42 | JQ129 |
| JQ130 | 20 30.920 | 40 15.300 | 185.9M | 978587.06 | 978666.31 | 21.86 | -42.66 | 0.00 | 0.00 | 0.26 | -42.92 | 0.45 | JQ130 |
| JQ131 | 20 33.290 | 40 19.510 | 320.4M | 978551.64 | 978668.65 | 18.11 | 53.96 | 0.00 | 0.00 | 0.43 | -54.40 | 0.40 | JQ131 |
| JQ132 | 20 36.900 | 40 24.080 | 315.7M | 978554.09 | 978672.23 | 20.68 | 56.01 | 0.00 | 0.00 | 0.43 | -56.43 | 0.40 | JQ132 |
| JQ133 | 20 31.700 | 40 27.970 | 253.1M | 978555.63 | 978667.08 | -33.32 | 61.64 | 0.00 | 0.00 | 0.35 | -61.99 | 0.40 | JQ133 |
| JQ134 | 20 22.000 | 40 21.560 | 122.4M | 978615.39 | 978657.54 | -4.36 | 18.06 | 0.00 | 0.00 | 0.17 | 18.23 | 0.39 | JQ134 |
| JQ135 | 20 25.350 | 40 26.400 | 154.5M | 978588.28 | 978660.83 | -24.85 | 42.14 | 0.00 | 0.00 | 0.22 | -42.36 | 0.39 | JQ135 |
| JQ136 | 20 27.660 | 40 31.120 | 279.5M | 978546.96 | 978663.10 | 29.85 | -61.13 | 0.00 | 0.00 | 0.38 | -61.51 | 0.39 | JQ136 |
| JQ137 | 20 39.060 | 40 37.410 | 779.1M | 978432.37 | 978674.37 | 1.52 | -88.70 | 0.00 | 0.00 | 0.93 | 89.62 | 0.40 | JQ137 |
| JQ138 | 20 35.760 | 40 32.070 | 412.5M | 978513.69 | 978671.10 | -30.08 | 76.23 | 0.00 | 0.00 | 0.54 | 76.78 | 0.66 | JQ138 |
| JQ139 | 20 40.040 | 40 29.220 | 380.7M | 978526.69 | 978675.34 | 31.13 | -73.73 | 0.00 | 0.00 | 0.51 | 74.24 | 0.42 | JQ139 |
| JQ140 | 20 43.080 | 40 34.070 | 461.5M | 978504.65 | 978678.36 | 31.25 | 82.89 | 0.00 | 0.00 | 0.60 | -83.49 | 0.54 | JQ140 |
| JQ141 | 20 45.990 | 40 38.560 | 727.9M | 978446.40 | 978681.26 | 10.18 | 91.63 | 0.00 | 0.00 | 0.88 | -92.51 | 0.48 | JQ141 |
| JQ142 | 20 41.580 | 40 42.230 | 952.0M | 978391.07 | 978676.87 | 8.04 | 98.49 | 0.00 | 0.00 | 1.07 | -99.56 | 0.40 | JQ142 |
| JQ143 | 20 37.360 | 40 45.460 | 707.2M | 978421.92 | 978672.68 | -32.47 | -111.60 | 0.00 | 0.00 | 0.86 | 112.46 | 0.57 | JQ143 |
| JQ144 | 20 34.600 | 40 39.840 | 841.6M | 978401.24 | 978669.95 | -8.94 | -103.12 | 0.00 | 0.00 | 0.98 | -104.10 | 0.42 | JQ144 |
| JQ145 | 20 30.930 | 40 35.980 | 753.2M | 978428.04 | 978666.32 | 5.79 | -90.07 | 0.00 | 0.00 | 0.90 | -90.97 | 0.48 | JQ145 |
| JQ146 | 20 43.870 | 40 46.050 | 1217.4M | 978315.61 | 978679.15 | 12.19 | -124.04 | 0.00 | 0.00 | 1.26 | -125.30 | 0.48 | JQ146 |
| JQ147 | 20 39.920 | 40 49.870 | 1270.5M | 978292.51 | 978675.22 | 9.40 | -132.77 | 0.00 | 0.00 | 1.29 | -134.06 | 0.63 | JQ147 |
| JQ148 | 20 48.580 | 40 43.840 | 1307.4M | 978313.11 | 978683.85 | 32.76 | -113.53 | 0.00 | 0.00 | 1.31 | -114.84 | 0.67 | JQ148 |
| JQ149 | 20 55.690 | 40 32.040 | 873.0M | 978426.04 | 978690.96 | 4.53 | 93.15 | 0.00 | 0.00 | 1.01 | -94.16 | 1.15 | JQ149 |
| JQ150 | 20 59.390 | 40 29.100 | 1466.0M | 978302.94 | 978694.68 | 60.69 | -103.35 | 0.00 | 0.00 | 1.39 | 104.74 | 1.21 | JQ150 |
| JQ151 | 20 56.300 | 40 24.590 | 616.5M | 978461.27 | 978691.57 | -40.00 | 108.99 | 0.00 | 0.00 | 0.77 | -109.76 | 1.28 | JQ151 |
| JQ152 | 20 52.330 | 40 27.730 | 1330.2M | 978338.47 | 978687.60 | 61.40 | 87.44 | 0.00 | 0.00 | 1.32 | -88.77 | 1.15 | JQ152 |
| JQ153 | 20 47.570 | 40 31.180 | 560.1M | 978481.16 | 978682.84 | 28.79 | -91.46 | 0.00 | 0.00 | 0.71 | -92.17 | 1.21 | JQ153 |
| JQ154 | 20 50.560 | 40 36.100 | 796.0M | 978419.76 | 978685.82 | 20.37 | -109.44 | 0.00 | 0.00 | 0.94 | 110.38 | 1.21 | JQ154 |
| JQ155 | 20 53.730 | 40 40.750 | 1177.3M | 978352.25 | 978689.00 | 26.61 | 105.12 | 0.00 | 0.00 | 1.23 | -106.36 | 1.44 | JQ155 |
| JQ156 | 20 57.600 | 40 36.460 | 1192.1M | 978365.15 | 978692.88 | 40.19 | 93.20 | 0.00 | 0.00 | 1.24 | -94.45 | 1.44 | JQ156 |
| JQ157 | 21 2.550 | 40 33.200 | 1507.2M | 978314.22 | 978697.86 | 84.50 | 87.16 | 0.00 | 0.00 | 1.40 | -88.56 | 1.15 | JQ157 |

## Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THC | FAA | CBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQ158 | 20 46.000 | 40 17.900 | 525.9M | 978500.10 | 978681.27 | -18.76 | -77.61 | 0.00 | 0.00 | 0.67 | 78.28 | 1.02 | JQ158 |
| JQ159 | 20 50.600 | 40 14.840 | 517.6M | 978489.95 | 978685.86 | -36.14 | 94.06 | 0.00 | 0.00 | 0.66 | -94.72 | 1.02 | JQ159 |
| JQ160 | 20 53.370 | 40 19.560 | 429.1M | 978501.24 | 978688.64 | -54.94 | -102.95 | 0.00 | 0.00 | 0.56 | -103.51 | 1.05 | JQ160 |
| JQ161 | 20 48.570 | 40 23.250 | 897.0M | 978430.13 | 978683.84 | 23.16 | -77.21 | 0.00 | 0.00 | 1.03 | 78.24 | 1.08 | JQ161 |
| JQ162 | 20 44.460 | 40 26.300 | 507.4M | 978503.03 | 978679.74 | 20.08 | -76.86 | 0.00 | 0.00 | 0.65 | -77.51 | 1.05 | JQ162 |
| JQ163 | 20 41.280 | 40 21.390 | 388.8M | 978539.63 | 978676.57 | -16.93 | 60.43 | 0.00 | 0.00 | 0.52 | -60.95 | 1.15 | JQ163 |
| JQ164 | 20 38.170 | 40 16.140 | 488.3M | 978518.25 | 978673.49 | -4.51 | 59.15 | 0.00 | 0.00 | 0.63 | 59.78 | 1.02 | JQ164 |
| JQ165 | 20 43.030 | 40 13.580 | 1374.4M | 978340.94 | 978678.31 | 86.79 | 67.00 | 0.00 | 0.00 | 1.34 | -68.34 | 1.02 | JQ165 |
| JQ166 | 20 46.950 | 40 10.560 | 560.1M | 978490.65 | 978682.22 | 18.68 | 81.35 | 0.00 | 0.00 | 0.71 | -82.06 | 1.05 | JQ166 |
| JQ167 | 20 36.880 | 40 4.250 | 203.9M | 978584.57 | 978672.21 | -24.69 | -47.51 | 0.00 | 0.00 | 0.28 | 47.79 | 1.02 | JQ167 |
| JQ168 | 20 41.750 | 40 0.450 | 216.1M | 978589.24 | 978677.04 | 21.09 | 45.27 | 0.00 | 0.00 | 0.30 | -45.57 | 1.02 | JQ168 |
| JQ169 | 20 44.970 | 40 5.040 | 353.2M | 978541.80 | 978680.24 | -29.34 | -68.86 | 0.00 | 0.00 | 0.47 | -69.33 | 1.05 | JQ169 |
| JQ170 | 20 40.200 | 40 8.410 | 997.4M | 978416.09 | 978675.50 | 40.44 | -63.17 | 0.00 | 0.00 | 1.11 | -64.28 | 1.18 | JQ170 |
| JQ171 | 20 35.300 | 40 11.800 | 534.4M | 978522.51 | 978670.64 | 16.83 | -42.97 | 0.00 | 0.00 | 0.68 | 43.65 | 1.02 | JQ171 |
| JQ172 | 20 32.660 | 40 6.780 | 163.7M | 978595.32 | 978668.03 | 22.18 | -40.50 | 0.00 | 0.00 | 0.23 | -40.73 | 1.11 | JQ172 |
| JQ173 | 20 29.050 | 40 2.170 | 142.4M | 978616.13 | 978664.47 | -4.38 | 20.31 | 0.00 | 0.00 | 0.20 | -20.52 | 1.18 | JQ173 |
| JQ174 | 20 34.730 | 39 59.110 | 84.6M | 978652.15 | 978670.08 | 8.18 | 1.28 | 0.00 | 0.00 | 0.12 | -1.40 | 0.40 | JQ174 |
| JQ175 | 20 38.320 | 39 55.900 | 124.9M | 978654.57 | 978673.63 | 19.49 | 5.52 | 0.00 | 0.00 | 0.18 | 5.34 | 1.24 | JQ175 |
| JQ176 | 20 27.130 | 39 50.030 | 28.7M | 978687.07 | 978662.58 | 33.35 | 30.14 | 0.00 | 0.00 | 0.04 | 30.10 | 0.39 | JQ176 |
| JQ177 | 20 31.360 | 39 46.340 | 36.3M | 978687.63 | 978666.75 | 32.09 | 28.03 | 0.00 | 0.00 | 0.05 | 27.98 | 0.40 | JQ177 |
| JQ178 | 20 35.920 | 39 51.280 | 83.4M | 978681.64 | 978671.26 | 36.13 | 26.80 | 0.00 | 0.00 | 0.12 | 26.68 | 0.40 | JQ178 |
| JQ179 | 20 30.910 | 39 53.680 | 61.7M | 978678.46 | 978666.30 | 31.21 | 24.30 | 0.00 | 0.00 | 0.09 | 24.22 | 0.40 | JQ179 |
| JQ180 | 20 25.830 | 39 58.670 | 40.3M | 978656.14 | 978661.30 | 7.28 | 2.77 | 0.00 | 0.00 | 0.06 | 2.72 | 0.39 | JQ180 |
| JQ181 | 20 23.250 | 39 51.860 | 9.9M | 978695.93 | 978658.76 | 40.23 | 39.12 | 0.00 | 0.00 | 0.01 | 39.10 | 0.39 | JQ181 |
| JQ182 | 20 20.310 | 39 48.750 | 0.0M | 978680.19 | 978655.88 | 24.31 | 24.31 | 0.00 | 0.00 | 0.00 | 24.31 | 0.22 | JQ182 |
| JQ183 | 20 23.370 | 39 43.840 | 0.0M | 978680.73 | 978658.88 | 21.85 | 21.85 | 0.00 | 0.00 | 0.00 | 21.85 | 0.23 | JQ183 |
| JQ184 | 20 28.190 | 39 39.740 | 0.0M | 978688.88 | 978663.62 | 25.26 | 25.26 | 0.00 | 0.00 | 0.00 | 25.26 | 0.23 | JQ184 |
| JQ185 | 19 38.450 | 40 36.210 | 0.0M | 978623.89 | 978615.44 | 8.44 | 8.44 | 0.00 | 0.00 | 0.00 | 8.44 | 0.22 | JQ185 |
| JQ186 | 19 1.880 | 40 18.820 | 0.0M | 978588.31 | 978581.09 | 7.22 | 7.22 | 0.00 | 0.00 | 0.00 | 7.22 | 0.21 | JQ186 |
| JQ187 | 19 30.950 | 40 44.460 | 0.0M | 978626.32 | 978608.32 | 18.00 | 18.00 | 0.00 | 0.00 | 0.00 | 18.00 | 0.22 | JQ187 |
| JQ188 | 19 26.320 | 40 49.400 | 0.0M | 978623.90 | 978603.95 | 19.95 | 19.95 | 0.00 | 0.00 | 0.00 | 19.95 | 0.22 | JQ188 |
| JQ189 | 19 17.160 | 40 53.430 | 1.3M | 978612.37 | 978595.33 | 17.44 | 17.29 | 0.00 | 0.00 | 0.00 | 17.29 | 0.23 | JQ189 |
| JQ190 | 19 38.720 | 40 44.790 | 0.0M | 978637.02 | 978615.70 | 21.32 | 21.32 | 0.00 | 0.00 | 0.00 | 21.32 | 0.22 | JQ190 |
| JQ191 | 19 42.730 | 40 41.310 | 0.0M | 978639.77 | 978619.52 | 20.24 | 20.24 | 0.00 | 0.00 | 0.00 | 20.24 | 0.22 | JQ191 |
| JQ192 | 19 46.550 | 40 34.640 | 0.0M | 978635.43 | 978623.18 | 12.25 | 12.25 | 0.00 | 0.00 | 0.00 | 12.25 | 0.22 | JQ192 |
| JQ193 | 19 58.500 | 40 6.950 | 0.0M | 978654.98 | 978634.66 | 20.32 | 20.32 | 0.00 | 0.00 | 0.00 | 20.32 | 0.22 | JQ193 |
| JQ194 | 19 49.910 | 39 54.110 | 0.0M | 978615.15 | 978626.40 | 11.25 | -11.25 | 0.00 | 0.00 | 0.00 | 11.25 | 0.22 | JQ194 |
| JQ195 | 19 47.620 | 39 57.700 | 0.0M | 978613.81 | 978624.20 | 10.39 | 10.39 | 0.00 | 0.00 | 0.00 | -10.39 | 0.23 | JQ195 |
| JQ196 | 19 45.000 | 39 54.260 | 0.0M | 978612.64 | 978621.69 | 9.05 | -9.05 | 0.00 | 0.00 | 0.00 | -9.05 | 0.23 | JQ196 |
| JQ197 | 19 31.310 | 40 1.490 | 0.0M | 978599.44 | 978608.67 | -9.23 | 9.23 | 0.00 | 0.00 | 0.00 | -9.23 | 0.22 | JQ197 |
| JQ198 | 19 26.430 | 40 3.490 | 0.0M | 978595.55 | 978604.05 | -8.50 | 8.50 | 0.00 | 0.00 | 0.00 | -8.50 | 0.23 | JQ198 |
| JQ199 | 20 15.000 | 39 29.570 | 0.0M | 978653.93 | 978650.68 | 3.25 | 3.25 | 0.00 | 0.00 | 0.00 | 3.25 | 0.22 | JQ199 |
| JQ200 | 20 41.190 | 39 39.380 | 32.9M | 978696.49 | 978676.48 | 30.16 | 26.48 | 0.00 | 0.00 | 0.05 | 26.43 | 0.40 | JQ200 |
| JQ201 | 20 45.450 | 39 37.120 | 51.3M | 978691.55 | 978680.72 | 26.63 | 20.90 | 0.00 | 0.00 | 0.07 | 20.83 | 0.40 | JQ201 |
| JQ202 | 20 40.960 | 39 42.410 | 76.9M | 978689.42 | 978684.23 | 28.93 | 20.33 | 0.00 | 0.00 | 0.11 | 20.22 | 0.40 | JQ202 |
| JQ203 | 20 44.250 | 39 44.360 | 60.0M | 978676.41 | 978679.53 | 15.40 | 8.69 | 0.00 | 0.00 | 0.09 | 8.60 | 0.40 | JQ203 |
| JQ204 | 20 39.700 | 39 47.200 | 50.4M | 978673.86 | 978675.00 | 14.41 | 8.77 | 0.00 | 0.00 | 0.07 | 8.70 | 0.40 | JQ204 |
| JQ205 | 20 37.130 | 39 41.270 | 21.8M | 978697.98 | 978672.45 | 32.25 | 29.82 | 0.00 | 0.00 | 0.03 | 29.78 | 0.40 | JQ205 |
| JQ206 | 20 32.740 | 39 35.850 | 0.0M | 978695.11 | 978668.11 | 27.01 | 27.01 | 0.00 | 0.00 | 0.00 | 27.01 | 0.23 | JQ206 |
| JQ207 | 20 37.330 | 39 33.390 | 0.0M | 978703.41 | 978672.65 | 30.75 | 30.75 | 0.00 | 0.00 | 0.00 | 30.75 | 0.23 | JQ207 |

**Appendix.** Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQ208 | 20 41.430 | 39 30.510 | 0.0M | 978709.28 | 978676.72 | 32.56 | 32.56 | 0.00 | 0.00 | 0.00 | 32.56 | 0.23 | JQ208 |
| JQ209 | 20 50.510 | 39 54.100 | 167.6M | 978628.21 | 978685.77 | -5.82 | 24.58 | 0.00 | 0.00 | 0.24 | 24.81 | 0.40 | JQ209 |
| JQ210 | 20 54.630 | 39 50.870 | 172.6M | 978646.14 | 978689.90 | 9.52 | 9.79 | 0.00 | 0.00 | 0.24 | 10.03 | 0.40 | JQ210 |
| JQ211 | 20 51.860 | 39 46.130 | 116.8M | 978675.72 | 978687.12 | 24.66 | 11.59 | 0.00 | 0.00 | 0.17 | 11.42 | 0.40 | JQ211 |
| JQ212 | 20 47.310 | 39 49.450 | 127.9M | 978656.61 | 978682.58 | 13.52 | -0.79 | 0.00 | 0.00 | 0.18 | -0.97 | 0.40 | JQ212 |
| JQ213 | 20 42.890 | 39 52.250 | 126.0M | 978644.33 | 978678.17 | 5.05 | -9.05 | 0.00 | 0.00 | 0.18 | -9.23 | 0.40 | JQ213 |
| JQ214 | 20 45.410 | 39 57.280 | 165.3M | 978614.93 | 978680.68 | -14.72 | 33.22 | 0.00 | 0.00 | 0.23 | 33.45 | 0.40 | JQ214 |
| JQ215 | 20 48.920 | 40 2.010 | 228.2M | 978580.88 | 978684.19 | 32.86 | -58.39 | 0.00 | 0.00 | 0.32 | -58.71 | 0.51 | JQ215 |
| JQ216 | 20 52.810 | 39 58.830 | 280.6M | 978579.50 | 978688.08 | -21.95 | -53.35 | 0.00 | 0.00 | 0.38 | -53.73 | 0.40 | JQ216 |
| JQ217 | 20 57.890 | 39 55.230 | 254.9M | 978609.01 | 978693.17 | 5.47 | 33.99 | 0.00 | 0.00 | 0.35 | -34.35 | 0.40 | JQ217 |
| JQ218 | 20 59.580 | 40 10.150 | 711.4M | 978464.32 | 978694.87 | -10.97 | -90.57 | 0.00 | 0.00 | 0.86 | -91.43 | 0.48 | JQ218 |
| JQ219 | 21 2.930 | 40 13.060 | 806.3M | 978436.68 | 978698.24 | -12.69 | -102.91 | 0.00 | 0.00 | 0.95 | -103.86 | 0.54 | JQ219 |
| JQ220 | 21 8.330 | 40 9.320 | 937.3M | 978416.93 | 978703.70 | 2.53 | -102.35 | 0.00 | 0.00 | 1.06 | -103.41 | 0.76 | JQ220 |
| JQ221 | 21 4.640 | 40 4.940 | 546.2M | 978499.99 | 978699.97 | -31.38 | -92.49 | 0.00 | 0.00 | 0.69 | -93.19 | 0.60 | JQ221 |
| JQ222 | 21 1.110 | 40 0.560 | 378.7M | 978548.78 | 978696.41 | 30.73 | 73.11 | 0.00 | 0.00 | 0.50 | -73.61 | 0.54 | JQ222 |
| JQ223 | 20 56.410 | 40 4.870 | 793.8M | 978454.53 | 978691.68 | 7.86 | -80.96 | 0.00 | 0.00 | 0.94 | -81.90 | 0.79 | JQ223 |
| JQ224 | 20 52.030 | 40 6.690 | 355.5M | 978538.88 | 978687.29 | 38.67 | -78.45 | 0.00 | 0.00 | 0.48 | -78.93 | 0.48 | JQ224 |
| JQ225 | 20 54.950 | 40 11.660 | 418.1M | 978514.22 | 978690.22 | -46.93 | -93.72 | 0.00 | 0.00 | 0.55 | 94.27 | 0.51 | JQ225 |
| JQ226 | 20 58.350 | 40 17.230 | 677.9M | 978449.15 | 978693.63 | -35.23 | -111.09 | 0.00 | 0.00 | 0.83 | -111.92 | 0.54 | JQ226 |
| JQ227 | 20 53.920 | 39 30.220 | 21.5M | 978717.80 | 978689.19 | 35.25 | 32.85 | 0.00 | 0.00 | 0.03 | 32.81 | 0.24 | JQ227 |
| JQ228 | 20 58.980 | 39 27.080 | 28.2M | 978717.34 | 978694.27 | 31.78 | 28.63 | 0.00 | 0.00 | 0.04 | 28.59 | 0.26 | JQ228 |
| JQ229 | 21 1.370 | 39 31.650 | 54.9M | 978699.22 | 978696.67 | 19.49 | 13.35 | 0.00 | 0.00 | 0.08 | 13.27 | 0.26 | JQ229 |
| JQ230 | 20 57.730 | 39 34.280 | 51.0M | 978703.85 | 978693.01 | 26.59 | 20.88 | 0.00 | 0.00 | 0.07 | 20.81 | 0.26 | JQ230 |
| JQ231 | 20 53.920 | 39 38.990 | 54.1M | 978711.96 | 978689.19 | 35.47 | 33.42 | 0.00 | 0.00 | 0.08 | 33.34 | 0.42 | JQ231 |
| JQ232 | 20 50.300 | 39 33.650 | 20.2M | 978713.80 | 978685.56 | 34.47 | 32.21 | 0.00 | 0.00 | 0.03 | 32.18 | 0.24 | JQ232 |
| JQ233 | 20 45.390 | 39 27.020 | 0.0M | 978710.58 | 978680.66 | 29.91 | 29.91 | 0.00 | 0.00 | 0.00 | 29.91 | 0.23 | JQ233 |
| JQ234 | 20 50.600 | 39 24.100 | 0.0M | 978716.52 | 978685.86 | 30.66 | 30.66 | 0.00 | 0.00 | 0.00 | 30.66 | 0.23 | JQ234 |
| JQ235 | 20 54.140 | 39 20.660 | 0.0M | 978719.89 | 978689.41 | 30.48 | 30.48 | 0.00 | 0.00 | 0.00 | 30.48 | 0.24 | JQ235 |
| JQ236 | 21 4.070 | 39 44.320 | 189.0M | 978652.71 | 978699.39 | 11.66 | -9.49 | 0.00 | 0.00 | 0.26 | -9.75 | 0.40 | JQ236 |
| JQ237 | 20 59.550 | 39 47.460 | 190.6M | 978653.10 | 978694.84 | 17.10 | -4.23 | 0.00 | 0.00 | 0.27 | -4.50 | 0.40 | JQ237 |
| JQ238 | 21 2.460 | 39 52.220 | 252.4M | 978614.39 | 978697.77 | -5.46 | -33.70 | 0.00 | 0.00 | 0.35 | 34.05 | 0.40 | JQ238 |
| JQ239 | 21 6.510 | 39 49.620 | 230.3M | 978631.25 | 978701.86 | 0.49 | 25.20 | 0.00 | 0.00 | 0.32 | -25.60 | 0.51 | JQ239 |
| JQ240 | 21 11.050 | 39 46.690 | 204.2M | 978645.50 | 978706.45 | 2.08 | 20.77 | 0.00 | 0.00 | 0.28 | -21.05 | 0.40 | JQ240 |
| JQ241 | 21 7.910 | 39 41.510 | 135.3M | 978666.46 | 978703.27 | 4.96 | -10.18 | 0.00 | 0.00 | 0.19 | -10.38 | 0.40 | JQ241 |
| JQ242 | 21 5.350 | 39 36.670 | 93.1M | 978685.77 | 978700.68 | 13.82 | 3.41 | 0.00 | 0.00 | 0.13 | 3.27 | 0.40 | JQ242 |
| JQ243 | 21 0.660 | 39 39.450 | 119.4M | 978687.42 | 978695.96 | 28.33 | 14.97 | 0.00 | 0.00 | 0.17 | 14.80 | 0.54 | JQ243 |
| JQ244 | 20 56.080 | 39 43.090 | 118.6M | 978692.16 | 978691.35 | 37.42 | 24.15 | 0.00 | 0.00 | 0.17 | 23.98 | 0.60 | JQ244 |
| JQ245 | 21 12.880 | 39 58.620 | 294.9M | 978587.77 | 978708.30 | -29.50 | 62.50 | 0.00 | 0.00 | 0.40 | -62.90 | 0.60 | JQ245 |
| JQ246 | 21 9.700 | 39 54.450 | 257.3M | 978603.13 | 978705.08 | 22.52 | -51.31 | 0.00 | 0.00 | 0.35 | -51.66 | 0.60 | JQ246 |
| JQ247 | 21 5.170 | 39 57.270 | 316.9M | 978576.72 | 978700.50 | -25.95 | -61.42 | 0.00 | 0.00 | 0.43 | -61.84 | 0.60 | JQ247 |
| JQ248 | 21 8.270 | 40 1.340 | 401.3M | 978536.38 | 978703.63 | -43.38 | -88.28 | 0.00 | 0.00 | 0.53 | -88.81 | 0.60 | JQ248 |
| JQ249 | 21 12.170 | 40 7.880 | 631.3M | 978492.10 | 978707.58 | 20.62 | -91.26 | 0.00 | 0.00 | 0.78 | -92.05 | 0.60 | JQ249 |
| JQ250 | 21 15.680 | 40 3.520 | 441.5M | 978554.59 | 978711.15 | -20.27 | -69.68 | 0.00 | 0.00 | 0.58 | -70.25 | 0.64 | JQ250 |
| JQ251 | 21 21.560 | 40 13.210 | 791.1M | 978471.72 | 978717.13 | 1.23 | 89.75 | 0.00 | 0.00 | 0.94 | -90.69 | 0.89 | JQ251 |
| JQ252 | 21 26.330 | 40 9.420 | 570.5M | 978543.11 | 978722.01 | -2.80 | -66.63 | 0.00 | 0.00 | 0.72 | -67.35 | 0.92 | JQ252 |
| JQ253 | 21 23.380 | 40 5.610 | 760.7M | 978504.02 | 978718.99 | 19.83 | -65.30 | 0.00 | 0.00 | 0.91 | -66.20 | 0.89 | JQ253 |
| JQ254 | 21 19.270 | 40 8.110 | 518.4M | 978525.45 | 978714.80 | -29.33 | -87.34 | 0.00 | 0.00 | 0.66 | -88.00 | 0.92 | JQ254 |
| JQ255 | 21 14.760 | 40 11.330 | 1335.6M | 978345.05 | 978710.21 | 47.03 | 102.42 | 0.00 | 0.00 | 1.33 | -103.74 | 0.89 | JQ255 |
| JQ256 | 21 16.890 | 40 16.830 | 1944.9M | 978233.51 | 978712.38 | 121.29 | 96.34 | 0.00 | 0.00 | 1.51 | -97.85 | 0.95 | JQ256 |
| JQ257 | 21 21.240 | 40 20.580 | 1708.5M | 978280.38 | 978716.81 | 115.49 | -84.64 | 0.00 | 0.00 | 1.49 | -86.13 | 0.92 | JQ257 |

## Appendix. Principal facts for the 2,196 stations used in compilation of the Bouguer gravity anomaly map-Continued

| ID | LAT | LONG | ELEV | OG | THG | FAA | SBA | HTC | TTC | CC | CBA | S.D.CBA | ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQ250 | 21 29.620 | 40 18.150 | 1695.1M | 978320.59 | 978725.38 | 118.31 | -71.37 | 0.00 | 0.00 | 1.47 | 72.83 | 0.89 | JQ258 |
| JQ259 | 21 28.510 | 40 13.090 | 264.6M | 978476.86 | 978724.24 | 50.34 | 57.59 | 0.00 | 0.00 | 1.08 | 58.68 | 0.92 | JQ259 |
| JQ260 | 21 16.440 | 39 33.850 | 134.0M | 978688.07 | 978711.92 | 17.52 | 2.53 | 0.00 | 0.00 | 0.19 | 2.34 | 0.48 | JQ260 |
| JQ261 | 21 23.220 | 39 34.830 | 189.4M | 978672.78 | 978718.83 | 12.42 | -8.77 | 0.00 | 0.00 | 0.26 | -9.03 | 0.51 | JQ261 |
| JQ262 | 21 19.480 | 39 37.960 | 200.5M | 978668.33 | 978715.01 | 15.21 | -7.22 | 0.00 | 0.00 | 0.28 | 7.50 | 0.60 | JQ262 |
| JQ263 | 21 15.430 | 39 41.390 | 161.7M | 978669.30 | 978710.89 | 8.33 | -9.77 | 0.00 | 0.00 | 0.23 | -9.99 | 0.57 | JQ263 |
| JQ264 | 21 12.810 | 39 37.980 | 137.2M | 978679.30 | 978708.23 | 13.42 | -1.93 | 0.00 | 0.00 | 0.19 | 2.13 | 0.54 | JQ264 |
| JQ265 | 21 10.740 | 39 32.870 | 88.4M | 978690.74 | 978706.14 | 11.89 | 2.00 | 0.00 | 0.00 | 0.13 | 1.87 | 0.54 | JQ265 |
| JQ266 | 21 14.520 | 39 28.250 | 64.2M | 978710.33 | 978709.97 | 20.18 | 12.99 | 0.00 | 0.00 | 0.09 | 12.90 | 0.48 | JQ266 |
| JQ267 | 21 17.910 | 39 25.400 | 100.9M | 978708.00 | 978713.42 | 25.73 | 14.44 | 0.00 | 0.00 | 0.14 | 14.30 | 0.51 | JQ267 |
| JQ268 | 21 20.930 | 39 31.490 | 178.2M | 978685.29 | 978716.49 | 23.81 | 3.87 | 0.00 | 0.00 | 0.25 | 3.62 | 0.51 | JQ268 |
| JQ269 | 21 7.850 | 39 19.750 | 25.4M | 978720.03 | 978703.21 | 32.66 | 29.82 | 0.00 | 0.00 | 0.04 | 29.79 | 0.40 | JQ269 |
| JQ270 | 21 11.340 | 39 25.230 | 46.9M | 978719.26 | 978706.74 | 26.99 | 21.74 | 0.00 | 0.00 | 0.07 | 21.67 | 0.40 | JQ270 |
| JQ271 | 21 6.600 | 39 28.770 | 60.4M | 978693.33 | 978701.95 | 10.03 | 3.27 | 0.00 | 0.00 | 0.09 | 3.19 | 0.63 | JQ271 |
| JQ272 | 21 2.950 | 39 23.640 | 28.9M | 978719.59 | 978698.26 | 30.25 | 27.02 | 0.00 | 0.00 | 0.04 | 26.98 | 0.43 | JQ272 |
| JQ273 | 21 0.350 | 39 16.770 | 0.0M | 978726.75 | 978695.64 | 31.11 | 31.11 | 0.00 | 0.00 | 0.00 | 31.11 | 0.23 | JQ273 |
| JQ274 | 21 4.100 | 39 14.080 | 0.0M | 978733.07 | 978699.42 | 33.64 | 33.64 | 0.00 | 0.00 | 0.00 | 33.64 | 0.24 | JQ274 |
| JQ275 | 21 9.150 | 39 12.140 | 0.0M | 978729.34 | 978704.53 | 24.81 | 24.81 | 0.00 | 0.00 | 0.00 | 24.81 | 0.23 | JQ275 |
| JQ276 | 21 12.020 | 39 17.110 | 15.8M | 978734.07 | 978707.43 | 31.52 | 29.75 | 0.00 | 0.00 | 0.02 | 29.73 | 0.48 | JQ276 |
| JQ277 | 21 14.920 | 39 20.400 | 31.2M | 978731.95 | 978710.38 | 31.20 | 27.71 | 0.00 | 0.00 | 0.05 | 27.67 | 0.43 | JQ277 |
| JQ278 | 21 17.550 | 39 13.420 | 13.9M | 978730.97 | 978713.05 | 22.22 | 20.66 | 0.00 | 0.00 | 0.02 | 20.64 | 0.23 | JQ278 |
| JQ279 | 21 21.960 | 39 10.350 | 0.0M | 978731.68 | 978717.54 | 14.14 | 14.14 | 0.00 | 0.00 | 0.00 | 14.14 | 0.23 | JQ279 |
| JQ280 | 21 18.600 | 39 6.600 | 0.0M | 978735.06 | 978714.12 | 20.94 | 20.94 | 0.00 | 0.00 | 0.00 | 20.94 | 0.23 | JQ280 |
| JQ281 | 21 14.080 | 39 9.080 | 0.0M | 978728.50 | 978709.52 | 18.97 | 18.97 | 0.00 | 0.00 | 0.00 | 18.97 | 0.24 | JQ281 |
| JQ282 | 21 20.220 | 39 17.880 | 39.6M | 978733.20 | 978715.77 | 29.65 | 25.22 | 0.00 | 0.00 | 0.06 | 25.16 | 0.40 | JQ282 |
| JQ283 | 21 24.660 | 39 15.900 | 35.3M | 978735.90 | 978720.30 | 26.50 | 22.55 | 0.00 | 0.00 | 0.05 | 22.50 | 0.26 | JQ283 |
| JQ284 | 21 30.260 | 39 24.720 | 161.2M | 978695.60 | 978726.03 | 19.33 | 1.30 | 0.00 | 0.00 | 0.23 | 1.07 | 0.26 | JQ284 |
| JQ285 | 21 27.470 | 39 19.870 | 82.8M | 978722.80 | 978723.17 | 25.19 | 15.92 | 0.00 | 0.00 | 0.12 | 15.80 | 0.24 | JQ285 |
| JQ286 | 21 22.540 | 39 23.080 | 70.1M | 978717.38 | 978718.13 | 20.89 | 13.05 | 0.00 | 0.00 | 0.10 | 12.95 | 0.40 | JQ286 |
| JQ287 | 21 25.180 | 39 27.520 | 109.9M | 978698.73 | 978720.83 | 11.80 | -0.47 | 0.00 | 0.00 | 0.16 | -0.64 | 0.26 | JQ287 |
| JQ288 | 21 28.860 | 39 32.770 | 158.6M | 978686.09 | 978724.60 | 10.45 | 7.30 | 0.00 | 0.00 | 0.22 | -7.52 | 0.40 | JQ288 |
| JQ289 | 21 33.340 | 39 29.710 | 223.9M | 978673.53 | 978729.20 | 13.45 | -11.60 | 0.00 | 0.00 | 0.31 | -11.91 | 0.40 | JQ289 |
| JQ290 | 21 37.890 | 39 26.310 | 168.6M | 978697.58 | 978733.88 | 15.75 | -3.11 | 0.00 | 0.00 | 0.24 | -3.35 | 0.40 | JQ290 |
| JQ291 | 21 34.620 | 39 21.310 | 97.3M | 978719.60 | 978730.51 | 19.12 | 8.24 | 0.00 | 0.00 | 0.14 | 8.10 | 0.40 | JQ291 |
| JQ292 | 21 31.710 | 39 16.690 | 56.6M | 978733.10 | 978727.52 | 23.06 | 16.72 | 0.00 | 0.00 | 0.08 | 16.64 | 0.40 | JQ292 |
| JT001 | 16 58.120 | -42 56.790 | 451.9M | 978397.23 | 978471.77 | 64.96 | 14.39 | 0.00 | 0.00 | 0.59 | 13.80 | 0.03 | JT001 |
| JT004 | 16 52.400 | 43 1.040 | 770.5M | 978283.70 | 978466.98 | 54.56 | -31.66 | 0.00 | 0.00 | 0.92 | -32.58 | 0.03 | JT004 |
| JT031 | 16 50.470 | 42 59.450 | 569.0M | 978346.19 | 978472.07 | 49.78 | -13.89 | 0.00 | 0.00 | 0.72 | -14.61 | 0.03 | JT031 |
| KGN02 | 18 43.860 | 41 24.330 | 47.0M | 978559.08 | 978564.50 | 9.09 | 3.83 | 0.00 | 0.00 | 0.07 | 3.76 | 0.03 | KGN02 |
| KGN03 | 20 9.330 | 40 17.110 | 8.3M | 978601.03 | 978645.16 | 38.43 | 37.50 | 0.00 | 0.00 | 0.01 | 37.49 | 0.03 | KGN03 |
| KGN16 | 18 17.580 | 42 40.300 | 2112.4M | 978002.26 | 978540.72 | 113.39 | -122.99 | 0.00 | 0.00 | 1.52 | -124.50 | 0.03 | KGN16 |
| KGN16A | 18 17.580 | 42 40.300 | 2113.1M | 978002.13 | 978540.72 | 113.48 | -122.98 | 0.00 | 0.00 | 1.52 | -124.49 | 0.03 | KGN16A |
| KGN17 | 19 38.120 | 43 15.270 | 1232.4M | 978259.86 | 978615.13 | 25.09 | -112.81 | 0.00 | 0.00 | 1.27 | -114.08 | 0.03 | KGN17 |
| KGN47 | 17 41.670 | 42 17.600 | 135.6M | 978485.36 | 978509.00 | 18.22 | 3.05 | 0.00 | 0.00 | 0.19 | 2.85 | 0.03 | KGN47 |
| SPEC FLT | 21 29.417 | 39 12.672 | 15.0M | 978740.93 | 978725.17 | 20.40 | 18.72 | 0.00 | 0.00 | 0.02 | 18.70 | 0.66 | SPEC FLT |
| USGSX | 21 31.416 | 39 10.593 | 5.6M | 978738.98 | 978727.22 | 13.49 | 12.86 | 0.00 | 0.00 | 0.01 | 12.85 | 0.03 | USGSX |