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Gravity Measurements and Data Reduction for Bouguer Anomaly Map of Peru

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Abstract

We collected all the data of gravity measurements carried out over the last 40 years by Instituto Geofisico del Peru (IGP). Because of the long time since data collection, some of the information needed for data reduction were lost over the years. This loss made it difficult for us to determine all of the gravity values unambiguously and consistently from the presently available IGP data alone.

Accordingly, there was a need for independently determined gravity stations to which the measurements done by IGP may be compared. In order to provide reference gravity values, we utilized Japanese survey data collected between 1980 and 1984, and conducted more surveys in various parts of Peru in the period between 1995 and 1998. These gravity stations number more than 800, and provide three or more reference points for each of the IGP survey routes. Using these references, the gravity values were calculated for the IGP dataset and Bouguer corrections were applied. Finally, a Bouguer anomaly map of Peru was produced based on these data. This paper reports all the procedures involved in the data reduction, discusses the reliability of the reduced data, and points out the main features of the Bouguer anomaly map.

Key words: Andes, Gravity anomaly, Mountain building

1. Introduction

Collecting gravity data is a tedious task, requiring hard and time-consuming fieldwork often in hostile environments. Yet, gravity measurements are scientifically quite rewarding since gravity anomalies provide the most basic geophysical data for studying crustal structures or resource exploitation, and for specific topics such as mountain building. In the case of countries such as Peru, with large-scale features such as the Peru-Chile trench, the Andean mountains, high plateaus (Altiplano), and Amazon basin within its territory, gravity data are particularly important for understanding the deep-seated structure.

Gravity measurements in Peru were started in the late 1950's by Instituto

Geofisico del Peru (IGP). Since then, IGP personnel under the direction of Leonidas Ocola have consistently and systematically been carrying out gravity surveys to cover the whole range of Peru, including areas along the Pacific coast (Costa), the Andes and the Altiplano (Sierra), and the jungles in the Amazon headlands (Selva). The number of gravity stations where measurements were taken amounts to nearly ten thousand, and many of them were repeatedly occupied for multiple observations. For various reasons, a complete reduction of IGP gravity data has never been carried out, although it is IGP's intention to do such a reduction and to eventually publish the official national Bouguer anomaly map of Peru.

The Japanese team lead by Masaru Kono carried out fieldwork in 1980, 1981, and 1984, in order to study tectonic problems in the Andes of Peru. The methods used in these studies included paleomagnetism (Heki *et al.*, 1983, 1984, 1985a, b ; Kono *et al.*, 1985a ; Tsunakawa *et al.*, 1987), archeomagnetism (Kono *et al.*, 1986), seismology (Kono *et al.*, 1985b), and volcanology (Ui *et al.*, 1984), in addition to gravity surveys and gravity anomalies in relation to the crustal structures associated with the Andes (Fukao *et al.*, 1989 ; Kono *et al.*, 1989). Various aspects of the work done in this phase of fieldwork were summarized in Kono(1982, 1983, 1986).

During that period, an agreement was reached between IGP and the Japanese team to jointly process and study the gravity data collected by IGP. For this purpose, Leonidas Ocola visited Japan carrying magnetic tape containing the IGP gravity dataset. Unfortunately, this joint project has not been completed. Then, Kono visited Lima in the summer of 1993, and discussed with several IGP officials about the feasibility of a new project. In return, the late Manuel Chang Ching, President of IGP at that time, visited Japan in the spring of 1994, and made a general agreement with the Japanese team that such a study would be quite useful for both sides and that a grant should be sought to carry out this project. Accordingly, Yoshio Fukao submitted a proposal for a joint study of Peruvian gravity to the Ministry of Education, Science, Sports and Culture (Japan) in 1994, and succeeded in getting this project funded for four years.

The actual fieldwork of the Japanese team under the leadership of Fukao took place between 1995 and 1998. During this period, all the available original documents of IGP gravity survey were examined, station positions were relocated as necessary using a digitizer, and field measurements were carried out to provide calibration points for gravity values. This paper describes the work done on reducing the IGP gravity dataset, with the final goal of producing the Bouguer anomaly map of Peru. As this work may become the basis of future gravity surveys and studies in Peru, we tried to be quite descriptive in writing this document.

2. Source of Gravity Data

The source of the data for this study can be divided into two categories : the IGP data collected since 1958 and the data obtained by the Japanese team during the period 1980–1998 from the field surveys carried out in Peru. The former is the target of the present study, while the latter was used for calibration purposes.

2.1 Gravity Measurements Conducted by IGP

Gravity measurements in Peru were initiated by Instituto Geofisico del Peru (IGP) in 1958 as a part of international cooperation with Inter-American Geodetic Survey (IAGS) headed by Charles Whalen. IGP was responsible for the gravity measurements. Instituto Geografico Nacional (IGN) was also a partner in this joint project as a supplier of the benchmark information. On the Peruvian side, Leonidas Ocola of IGP has been in charge since the first days of the joint project. In the early years, IAGS provided gravimeters as well as funds and logistic support under a yearly contract. The support has diminished over the years due to the economic situation, but contact between IGP and IAGS still exists for the measurement of gravity in Peru.

The actual surveys were carried out from 1958 first with Worden gravimeters and then with LaCoste & Romberg gravimeters. The first measurements were done by Charles Whalen and Leonidas Ocola mainly along the coastal area of Peru for the purpose of establishing ties with the neighbouring countries : Equador, Chile, and Bolivia. Since then, survey routes have been extended into mountainous areas and jungles. From about 1960, Ocola trained first Crisolfo Perales and then Walter Lescano to carry out field measurements. Thus the gravity data of Instituto Geofisico del Peru were collected essentially by three people : Ocola (1958–1961), Perales (1960–1981), and Lescano (1971–1989). These surveys are summarized in Table 1. For various reasons, a complete reduction of IGP gravity data was never done, although some preliminary profiles and Bouguer anomaly maps were produced using the IGP data (Ocola and Meyer, 1973).

2.2 Gravity Surveys by Japanese Team

From 1980, the Japanese team started "Geophysical Studies of the Central Andes." Fieldwork was carried out in 1980, 1981, and 1984, and continued again after an intermission in 1995, 1996, 1997, and 1998. This project included researches in paleomagnetism, seismology, volcanology, and structural geology, but we are concerned only with work related to gravity here.

The 1980 survey covered a wide area, but the most intensive data were taken along the northern route Pacasmayo-Cajamarca-Chachapoyas-Moyobamba-Tarapoto-Juanjui. In 1984, intensive measurements were carried out along three lines in the southern part of Peru, Arequipa-Puno, Puno-Cuzco, Nazca-Puerto Maldonado. These data were taken to obtain profiles of gravity across the tectonic trend and were used in a study of crustal structure of the Central Andes in Peru (Fukao *et al.*, 1989 ; Kono *et al.*, 1989). The surveys in the later period (1995–1998) were done for the sole purpose of providing calibration points for IGP gravity data. These measurements were done with LaCoste & Romberg and Scintrex gravimeters (Table 2).

3. Calibration Procedures

In 1995, we started to process IGP gravity data collected in the last 40 years,

Table 1. Gravity Survey Carried Out by IGP.

No.	Date	Survey Route	Gravimeter	Observer
1	1958 09	Talara–Ecuador	W397	Whalen
2	1958 12	Tumbes–Callao	W397	Ocola
3	1959 03	Arequipa–Moquegua	W397	Ocola
4	1959 04	Arequipa–Chincha	W397	Ocola
5	1959 09	Tingo Maria–Pucallpa	W397	Ocola
6	1959 11	Arequipa–Desaguadero	W397	Ocola
7	1959 12	Arequipa–Desaguadero	W397	Ocola
8	1960 01	Arequipa–Desaguadero	W397	Perales
9	1960 04	Pisco–Cerro de Pasco	W397	Ocola
10	1960 07	Pisco–Pucallpa	W397	Ocola
11	1960 07	Tingo Maria–Pucallpa	W397	Ocola
12	1960 08	Huancayo–Comas	W397	Ocola
13	1960 09	Cerro de Pasco–Lima	W397	Ocola
14	1961 05	Ilave–Tacna	W397	Ocola
15	1961 06	Moquegua–Puno	W397	Ocola
16	1961 08	Nazca–Abancay	W397	Perales
17	1961 08	Nazca–Abancay	W397	Perales
18	1961 09	Abancay–Izcuchaca	W397	Perales
19	1962 04	Juliaca–Abancay	W397	Perales
20	1962 04	Juliaca–Ninantaya	W397	Perales
21	1962 04	Juliaca–Ninantaya	W397	Perales
22	1962 05	Juliaca–Abancay	W397	Perales
23	1962 08	Juliaca–Ninantaya	W397	Perales
24	1962 09	Sicuani–Pati	W397	Perales
25	1962 10	Imata–Cailloma	W397	Perales
26	1962 11	Paty–Ninantaya	W397	Perales
27	1962 11	Siguas–Chuquibamba	W397	Perales
28	1962 12	Chala–Puquio	W397	Perales
29	1963 02	Atico–Caraveli	W397	Perales
30	1963 02	Chavina–Umarote	W397	Perales
31	1963 03	Bayovar–Piura	W397	Perales
32	1963 03	Piura–Paita	W397	Perales
33	1963 04	Sullana–Latina	W397	Perales
34	1963 10	Huaraz–Casma	W397	Perales
35	1963 10	Paramonga–Huallanca	W397	Perales
36	1963 11	Matahuasi–Satipo	W397	Perales
37	1963 12	La Oroya–Oxapampa	W397	Perales
38	1964 05	Huallanca–Chimbote	W397	Perales
39	1964 05	Trujillo–Mollepata	W397	Perales
40	1964 06	Huaura–Oyon	W397	Perales

Table 1. Gravity Survey Carried Out by IGP (Continued).

No.	Date	Survey Route	Gravimeter	Observer
41	1966 08	Shorey–Cajamarca	W619	Perales
42	1967 08	Cajamarca–Balsas	W619	Perales
43	1967 08	Chiclayo–Cajamarca	W619	Perales
44	1968 06	Paramonga–Huanuco	W619	Perales
45	1968 07	Casapalca–La Viuda	W619	Perales
46	1968 09	Galeras–Ayacucho	W619	Perales
47	1968 09	La Oroya–San Juan	W619	Perales
48	1968 09	Lima–Casapalca	W619	Perales
49	1968 09	Yauyos–Canete	W619	Perales
50	1968 12	La Paz–Juliaca	W619	Deza
51	1969 09	Ayacucho–Santa Ines	W619	Perales
52	1969 09	Quince Mil–Pto. Maldonado	W619	Perales
53	1969 09	Quince Mil–Urcos	W619	Perales
54	1971 05	Izcuchaca–Quillabamba	W619	Lescano
55	1971 05	Quillabamba–Calca	W619	Lescano
56	1971 05	Urubamba–Huacarpay	W619	Perales
57	1971 06	Huambuto–Shintuya	W619	Perales
58	1971 06	Huancarane–Catca	W619	Perales
59	1972 07	Lima–Huancayo	W112	Perales
60	1972 08	Arequipa–Desaguadero	W112	Perales
61	1972 08	Arequipa–Desaguadero	W619	Perales
62	1972 08	Arequipa–Desaguadero	G93	Perales
63	1973 07	Lima–Lucanas–Manu	G193	Lescano, Perales
64	1973 07	Lima–Lucanas–Manu	G93	Lescano, Perales
65	1973 11	Tulumayo–Tocache Nuevo	G193	Lescano
66	1973 11	Tulumayo–Tocache Nuevo	G93	Lescano
67	1974 02	Corral Quemado–Chachapoyas	G193	Lescano
68	1974 02	Corral Quemado–Nazareth	G193	Lescano
69	1974 02	Corral Quemado–Nazareth	G93	Lescano
70	1978 04	Chiclayo–Cajamarca	G193	Lescano
71	1980 07	Juliaca–Cuzco	G193	Perales, Fujii
72	1981 06	Lima–Tarma	G193	Perales
73	1981 07	La Merced–Satipo	G193	Perales
74	1981 07	Oxapampa–Pozuzo	G193	Perales
75	1981 08	Chocope–Chilete	G193	Perales
76	1982 05	Balsas–Chachapoyas	G65	Lescano
77	1982 05	Chachapoyas–Rioja	G65	Lescano
78	1982 05	Rioja–Tarapoto	G65	Lescano
79	1982 05	Tarapoto–Lima	G65	Lescano
80	1982 06	Tarapoto–Yurimaguas	G65	Lescano

Table 1. Gravity Survey Carried Out by IGP (Continued).

No.	Date	Survey Route	Gravimeter	Observer
81	1983 09	Lima–Moquegua	G65	Lescano
82	1984 04	Nazca–San Juan	G65	Lescano
83	1984 07	Piura–Las Lomas	G65	Lescano
84	1984 08	Piura–Huancabamba	G65	Lescano
85	1985 06	Chiclayo–Cajamarca	G65	Lescano
86	1985 06	Chiclayo–Piura	G65	Lescano
87	1985 07	Cajamarca–Trujillo	G65	Lescano
88	1985 12	Medicio–Huancayo	G65	Lescano
89	1986 04	Sta. Rosa–Rosario	G65	Lescano
90	1986 05	Ayaviri–Rosario	G65	Lescano
91	1986 05	Camana–Aplao	G65	Lescano
92	1986 06	Cuzco–Anta	G65	Lescano
93	1989 09	Juliaca–Ninantaya	G65	Lescano
94	1989 10	Cuzco–Manu	G65	Lescano
95	1989 10	Cuzco–Urubamba	G65	Lescano

based on the original field notes (the **book**s), which were written by the observers at the time they actually carried out the measurements. Using the constant tables for individual gravimeters, we tried to calculate gravity values for each measurement. Unfortunately, this procedure often gave large differences at the points where gravity values were already known from earlier IGP surveys or from Japanese surveys of 1980 and 1984. The discrepancy sometimes amounted to tens of milligals. It was found to be difficult to correct all of these discrepancies only from the information now available at the IGP archives.

3.1 Need for Calibration

To reduce the errors to a tolerable level, it is necessary to have some means of independently calibrating data. In order to obtain such calibrating data, we decided to remeasure the gravity values at many points in Peru and use them, as well as the gravity data from Japanese measurements in 1980 and 1984 (Fukao *et al.*, 1989) to which absolute gravity values were already assigned, as the reference when the IGP gravity data reduction is carried out. To use these newly obtained data as standards for calibration, however, it is necessary to examine if they are really consistent in comparison with well-established data. The first step in calibration is, therefore, to compare these data with IGSN71 reference values.

Surveys were carried out by Japanese team during six years (1980, 1984, 1995, 1996, 1997, and 1998). These measurements were done with LaCoste & Romberg or Scintrex gravimeters (Table 2). The measurements in 1980 and 1984 had already been converted to the calibrated absolute gravity values(Fukao *et al.*, 1989). Calibration for measurements in the last four years proceeded as follows. First, data from each continuous survey were processed separately by applying appropriate tidal

Table 2. Gravity Survey Carried Out by Japanese Team.

No.	Date	Survey Route	Gravimeter	Observer
1	1980 10	Lima–Trujillo–Juanjui	G375	Kono, Onuki, Ui, Perales
2	1984 07	Lima–Arequipa–Puno	G484	Kono, Fukao, Yamamoto, Perales
3	1984 08	Puno–Cuzco	G484	Kono, Fukao, Yamamoto, Perales
4	1984 08	Nazca–Pto Maldonado	G484	Kono, Fukao, Yamamoto, Perales
5	1995 07	Panam Norte	S227	Nawa, Perales
6	1995 08	Panam Sur, Moquegua–Puno	S227	Yamamoto, Saito, Perales
7	1995 07	Lima–Huancayo	G791	Kono, Yamamoto, Nawa, Saito
8	1996 07	Satipo	S227	Fukao, Nawa, Perales
9	1996 08	Desaguadero	S227	Nawa, Perales
10	1996 08	Abancay	S227	Yamamoto, Kobayashi
11	1996 08	Tumbes	S227	Yamamoto, Nawa
12	1996 07	Huaraz	S280	Yamamoto, Kobayashi
13	1996 08	Lima–Pucallpa–Huancayo	S280	Kono, Saito, Perales
14	1996 09	Lima–Arequipa–Tacna	S280	Kono, Saito, Perales
15	1997 07	Yauyos	S227	Yamamoto, Hagita, Saito
16	1997 07	Incuyo	S227	Saito, Ishitsuka
17	1997 08	Quillabamba	S227	Fukao, Saito, Lescano
18	1997 08	Pozuzo	S227	Fukao, Saito, Perales
19	1997 07	Yauyos	S280	Yamamoto, Hagita, Saito
20	1997 08	Ilave	S280	Yamamoto, Hagita
21	1997 08	Yurimaguas	S280	Yamamoto, Hagita
22	1998 07	Galeras	S227	Yamamoto, Saito, Perales

corrections. As a result, we obtained relative gravity values, which still contained the effects of gravimeter drift. We determined an appropriate drift rate for each survey, and then determined the gravity values consistently with the gravity values at national or international standard stations. Unfortunately, the Scintrex gravimeter S280 showed a significant nonlinear drift during the 1997 survey. In order to correct for this nonlinearity, we divided the survey period into two, to which different drift rates were assigned. Details of the calibration procedure are described below.

3.2 Drift Correction

To determine the drift rate for each survey, we extract points at which gravity measurements were carried out twice or more at different times. The observed (relative) gravity values at such a point differ due to errors and due to the drift in gravimeter readings. Let g_j be the true (relative) gravity value at the j-th point, while the k-th measurement at this point at time t_{jk} gave the value g_{jk}. The difference between g_j and g_{jk} can be attributed to linear drift Dt_{jk} and a noise n_{jk},

$$g_{jk}=g_j+Dt_{jk}+n_{jk}. \tag{1}$$

We sum the squared values of the noise

$$S=\sum_j \sum_k n^2{}_{jk}=\sum_j \sum_k (g_j+Dt_{jk}-g_{jk})^2, \tag{2}$$

$$\begin{pmatrix} N_1 & 0 & \cdots & 0 & \Sigma_k t_{1k} \\ 0 & N_2 & \cdots & 0 & \Sigma_k t_{2k} \\ & & \ddots & & \\ 0 & 0 & \cdots & N_J & \Sigma_k t_{Jk} \\ \Sigma_k t_{1k} & \Sigma_k t_{2k} & \cdots & \Sigma_k t_{Jk} & \Sigma_j \Sigma_k t_{jk}^2 \end{pmatrix} \begin{pmatrix} g_1 \\ g_2 \\ \vdots \\ g_J \\ D \end{pmatrix} = \begin{pmatrix} \Sigma_k g_{1k} \\ \Sigma_k g_{2k} \\ \vdots \\ \Sigma_k g_{Jk} \\ \Sigma_j \Sigma_k g_{jk} t_{jk} \end{pmatrix}, \tag{4}$$

and try to minimize the value of S by varying g_j and D, i.e.,

$$\partial S/\partial g_j = 0, \quad \partial S/\partial D = 0. \tag{3}$$

The resulting normal equation has the form
where J is the number of observation points and N_j is the number of measurements done at the point j. This equation can easily be solved for the drift rate D, by substracting j-th row multiplied by $\Sigma_k t_{jk}/N_j$ $(j=1, \cdots, J)$ from the last row, which yields

$$\left[\sum_j \sum_k t_{jk}^2 - \sum_j \frac{(\Sigma_k t_{jk})^2}{N_j}\right] D = \sum_j \sum_k g_{jk} t_{jk} - \sum_j \frac{\Sigma_k g_{jk} \Sigma_k t_{jk}}{N_j}. \tag{5}$$

Once the drift rate is known, the relative gravity value at point j can be obtained

Table 3. Gravity reference stations used for calibration.

No.	Station	Latitude °	′	Longitude °	′	Height m	Gravity mgal	Remarks
1	Arequipa-AP	16	21.0	71	34.0	2564	977701.730	Arequipa-K
2	Cuzco Univ Nacional	13	31.3	71	58.0	3346	977342.171	B-228
3	Cuzco AP	13	32.1	71	56.6	3185	977354.803	
4	Huancayo-MGNAS	12	02.3	75	19.4	3313	977248.990	
5	Huancayo-PATH	11	35.3	76	11.4	4840	976897.726	Ticlio
6	Jorge Chavez AP	12	01.0	77	06.4	32	978292.395	Lima-O 36827-O
7	Lima-GEOGR	12	06.0	77	00.9	126	978265.628	LM5 IGN-Entr.
8	W37	14	49.5	74	56.1	510	978217.259	Nazca
9	W42R	16	13.5	73	37.1	15	978447.298	Atico-Puente

The coodinates and the heights of stations refer to those in Appendix. Height is truncated to the nearest meter if more digits are given.

directly from (4) as

$$g_j = \frac{1}{N_j}\left(\sum_k g_{jk} - D\sum_k t_{jk}\right), \quad j=1, \cdots, J. \tag{6}$$

This is the best estimate of the relative gravity value at j-th point determined from observations. For the points where gravity was measured only once in that survey,

the relative gravity values can be determined by subtracting the drift Dt from the observed value, where t is the time of measurement since the start of the survey.

The accuracy of measurements may be estimated from closure error, i.e., the difference in measured gravity value at one station at two different times. The closure error versus time difference plots for the 1984 survey are given in Fukao *et al.* (1989), indicating an accuracy for the tie better than 0.2 mgal. A similar accuracy was also estimated for the 1980 survey by Kono (1983). Figure 1 plots closure errors against time difference for the 1995–1998 surveys. The average of the closure errors is small, −0.023 and 0.061 mgal (LaCoste & Romberg) or −0.001 and −0.002 mgal (Scintrex) for the elapsed times less than and more than one day, respectively, indicating the consistency of the measurements. The standard deviation of the closure errors is 0.027 and 0.083 mgal (LaCoste & Romberg) or 0.069 and 0.157 mgal (Scintrex) for the elapsed times less than and more than one day, respectively. The values for more than one day provide a good measure for the accuracy of the measurements.

3.3 Reduction to Absolute Value.

Until now, relative gravity values have been determined using the given constants of individual gravimeters. These relative values were converted into absolute values using the known absolute gravity values at reference stations, which were taken from the international standard gravity stations (IGSN71) and are shown in Table 3. Additional standard stations in Peru were obtained from the survey of Nakagawa *et al.* (1983), who reported gravity measurements using multiple LaCoste & Romberg gravimeters at a number of Circum-Pacific gravity reference stations. We also added a station (No. 8, Nazca) as reference, which was repeatedly occupied and was very well calibrated by the Japanese team.

In general, gravity values measured at reference stations are systematically different from the tabulated values. Using a least squares method similar to the one described above, we can determine the gravimeter constants a and b such that the observed values g_j will make a best least squares fit to the tabulated (absolute) gravity values $\hat{g}_j$,

$$\hat{g}_j = a + bg_j + n_j, \tag{7}$$

where n_j is the error at the j-th station. In the above equation, a is the offset to convert relative gravity into absolute values, while b is a correction factor for the maker-supplied gravimeter constant.

Table 4 summarizes the results of this procedure. The base value a and the correction factor b were calculated separately for each survey and errors at reference stations were estimated by (7). The errors in general are small as indicated in Table 4. However, this table deserves comment. As discussed in subsection 3.1, we divided the whole period of the 1997 survey using S280 into two, 1997 a and 1997 b (see Table 4). This division made it possible to correct for the nonlinear trend of drift of

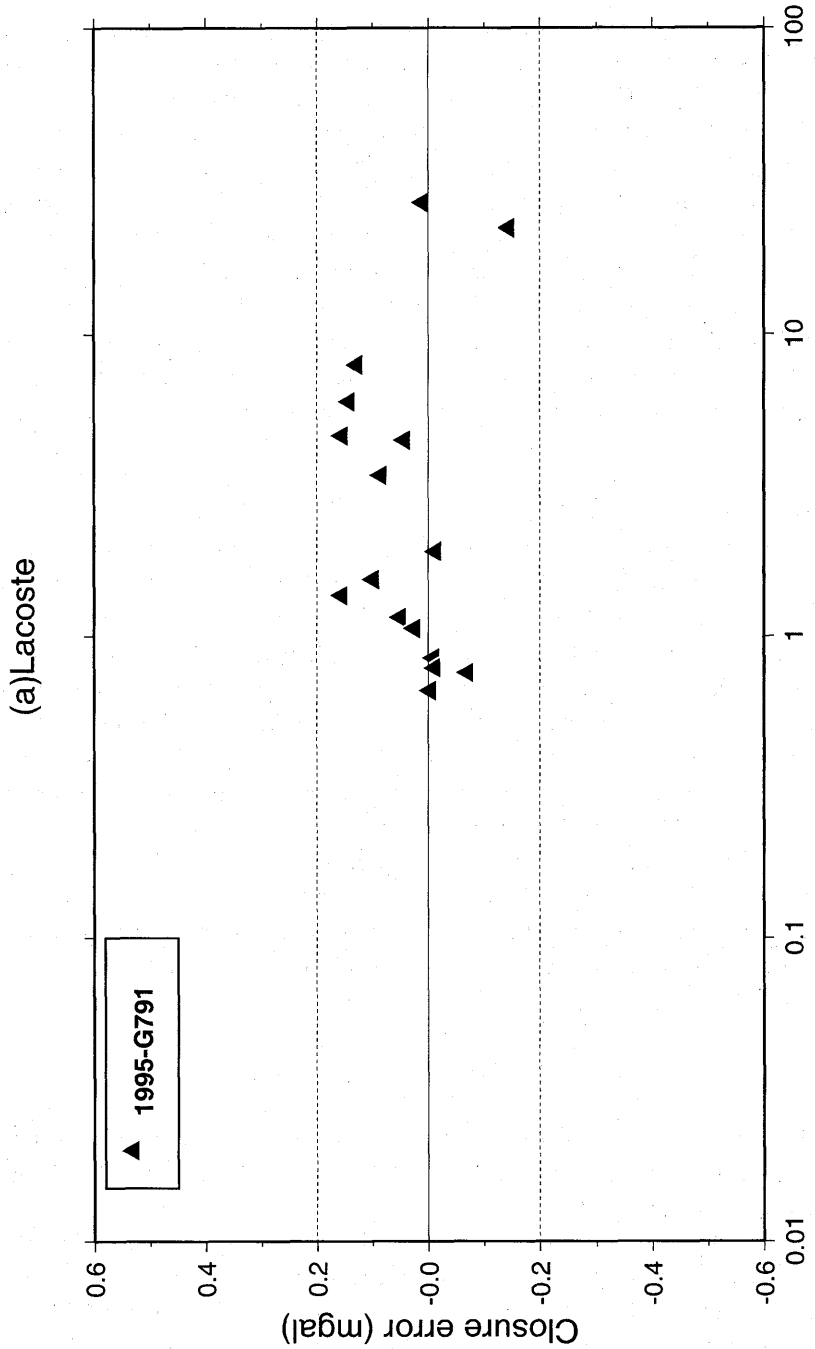

Fig. 1. Closure errors against elapsed time for (a) LaCoste & Romberg gravimeter (G791) and (b) two Scintrex gravimeters (S227, S280) during the 1995–1998 surveys of the Japanese team, where each drift rate was assumed by the normal equation (5).

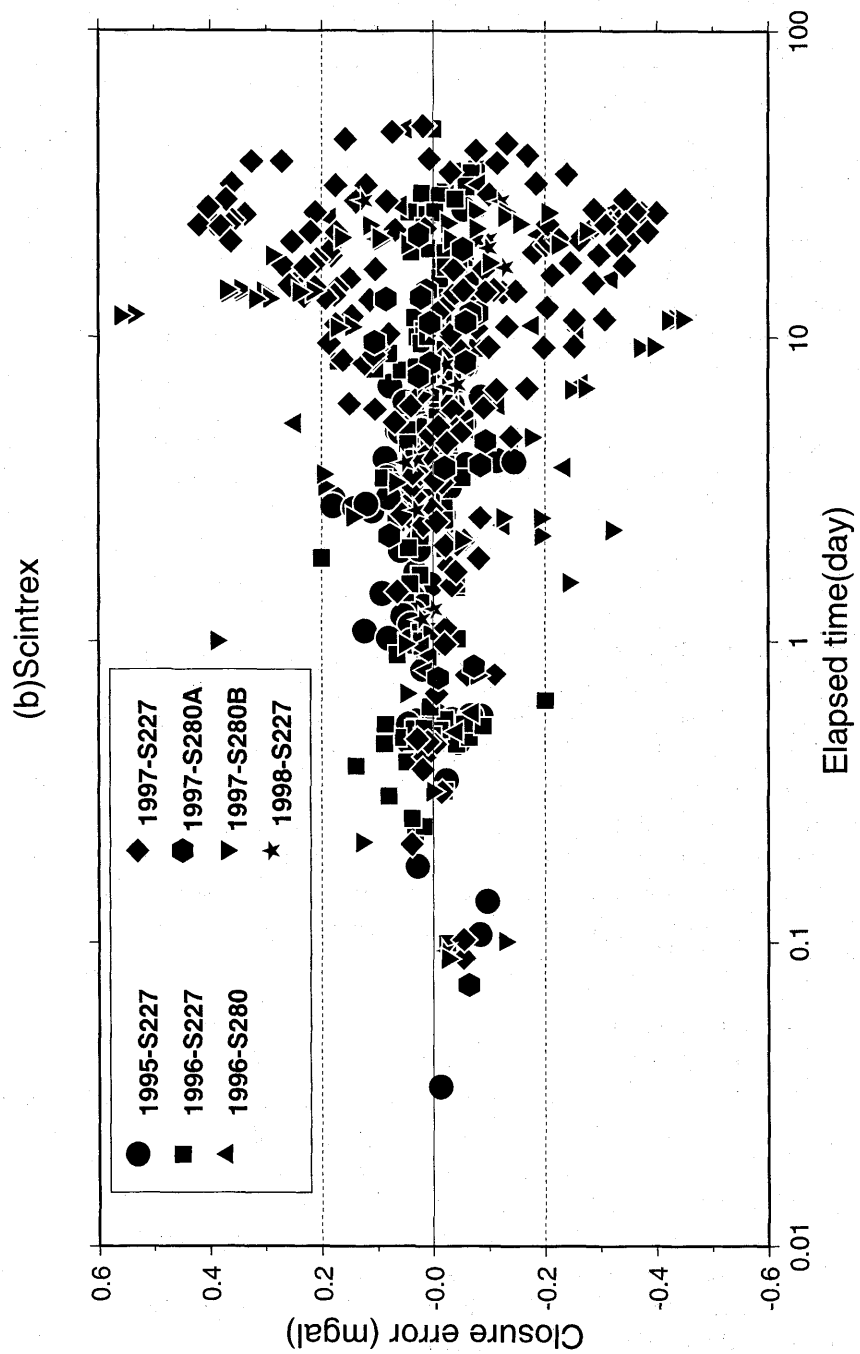
(b)Scintrex
1995-S227
1996-S227
1996-S280
1997-S227
1997-S280A
1997-S280B
1998-S227
Closure error (mgal)
0.6
0.4
0.2
-0.0
-0.2
-0.4
-0.6
0.01
0.1
1
10
100
Elapsed time(day)

Table 4. Gravimeter constants and misfit gravity values at reference stations.

Year	1995	1995	1996	1996	1997	1997a	1997b	1998	G−975000
No.	S227	G791	S227	S280	S227	S280	S280	S227	mgal
a	-43.844	375.378	-162.263	5.000	-249.506	-378.186	-392.615	-349.700	
b	1.000263	1.000985	0.999977	1.001568	1.000313	1.001216	1.000635	1.000912	
1	—	—	—	0.173	—	—	—	—	2701.730
2	—	—	0.005	—	—	—	—	—	2342.171
3	—	—	-0.005	—	—	—	—	—	2354.803
4	—	-0.061	—	—	-0.045	-0.098	—	—	2248.990
5	—	0.045	—	-0.073	0.038	0.073	—	—	1897.726
6	0.003	0.016	-0.001	-0.100	0.092	0.025	-0.002	0.008	3292.395
7	-0.015	—	-0.003	—	—	—	—	—	3265.628
8	0.013	—	0.004	—	-0.085	—	—	-0.008	3217.259
9	—	—	—	—	—	—	0.002	—	3447.298

Year: Year in which the survey was conducted. No.: Gravimeter (G is LaCoste & Romberg, S is Scintrex) number. a, b: Offset and correction factor of the gravimeter (Eq. 7). See Table 3 for information about stations 1 to 9.

S280, but left only one station as a reference for the 1997 b survey. For this survey, therefore, we supplemented a well-defined station (No. 9, Atico-Puente) to obtain the values of a and b. All the data from Japanese gravity surveys have now been converted into absolute gravity values (see Appendix). The reduction of the IGP dataset using these references is described in the next section.

4. Reduction of IGP Gravity Dataset

This section describes how the original IGP measurement data were processed to yield gravity values. In conventional papers on gravity measurements, such descriptions are never given. In the present case, however, this section is necessary because the measurements themselves were done quite a long time ago. Because of the big time gap, some important information was lost and it is impossible to make corrections just from common sense or based on human memory, when errors or inconsistencies were found in calculating gravity values. Therefore, it was necessary to establish some reasonable scheme for correcting and adjusting the data, which is the theme of this section.

4.1 Primary Data Source

There are three different types of original document used in this study for reducing the IGP gravity dataset. They are, (1) field notes (the **book**s) of the gravity surveys, (2) **description**s that describe benchmark (**BM**) data, and (3) **map**s at 1 : 100,000 scale that are marked to indicate measurement points. Besides these, there are (4) constant tables for individual gravimeters, which are essential in conventional data reduction. However, because of the reason explained later, the constant tables were not used in the present study.

The first stage of gravity data reduction was the production of machine readable forms from the three types of primary data.

4.1.1 Field Notes

For the consistency of our procedure, we decided to start data reduction from the original field notes rather than from the dataset kept in the IGP archive tape. There are about 250 field notes, or "**book**s" as they are simply called, in the IGP archive, in which the gravity measurement data are recorded. Before about 1972, measurements were done using Worden gravimeters. After that, LaCoste & Romberg gravimeter took over (Table 1). In both cases, an entry for the measurement consists of (a) date (year, month, day), (b) benchmark (**BM**) identification, (c) time (hour, min in 24 -hour notation), (d) dial readings (usually three), and (e) comments. These are the primary data of gravity measurements. Examples of the original entries are

a	b	c	d			e
590425	L-47	0743	229.3	229.2	229.3	RESET
.....						
590425	Camana__AP	1232	562.3	562.3	562.3	

In creating the **book**-file corresponding to each field note, the same format as that above was used. In addition, the files contain a form entry

	a	b	c	d
$	30	W397	Arequipa-Camana-Atico	Ocola

as the first line of the file, indicating (a) the **book** number, (b) the gravimeter used in the survey, (c) the route, and (d) the observer. Note that the letter **$** is used to signal the comment line. In the original **book**, comments about weather conditions etc. often appeared, but were not reproduced in the files as they were not used for data reduction.

Remarks about resetting the large dials of Worden gravimeters, "**RESET**" or "**LD,**" were quite important since special care is necessary to separate the data reduction at that point. Even if the dial was reset, continuity of data can be achieved if measurements were repeated carefully before and after RESET. In cases where these duplicate measurements were not done as judged from the entries in the **book**s, we were forced to analyze the portions before and after RESET separately.

One of the difficulties in the **books** is that the survey document almost always starts at some distant point and ends at another, as if the measurements were carried out only on the route for which the survey was organized and not at reference points.

For instance, consider the case of the Abancay-Izcuchaca route,

620525	V-284	1621	606.8	606.9	606.8	Reset
620525	Q-284	1657	513.6	513.6	513.6	11.5
.....						
620531	GG-275	1451	496.8	496.8	496.8	24.2
620531	N-275	1529	552.4	552.4	552.4	26.5

The document starts at one **BM** (V-284) and ends at another **BM** (N-275) without referring to measurements at a well-established reference point. Thus, this document alone does not contain all the information necessary to determine the offset needed to obtain the absolute gravity values.

4.1.2 Descriptions

Benchmarks (**BMs**) are installed by Instituto Geografico Nacional (IGN). Information about these **BM**s is described in the sheets supplied by IGN called "**description**s." There are about a hundred bindings of **description**s at IGP. A **description** sheet contains the distance from the starting point of the route, height of the **BM** in meters, and other information needed to locate it. In this study we used only the information about **BM**s and their heights which are to be entered as indicated in Appendix. The problem with "**description**s" is the presence of the same code and number for two or three different **BM**s. We searched for such multiple **BM**s by plotting all the relevant **BM** sites in a map. The detected multiple **BM**s are distinguished from each other by putting symbols "@" or "@@" at the end of the **BM** number.

4.1.3 Maps

The **description**s of IGN usually give the height of the **BM** to a tenth of a millimeter, but do not provide information about the coordinates. Accordingly, the latitude and the longitude of the measurement point need to be determined by an independent method. Topographic maps with a scale of 1 : 100,000 are available from the IGN. The **BM** points are plotted on these maps and their coordinates are read using a digitizer. The coordinates determined in this way are subject to errors associated with plotting **BM** points, reading their locations with the digitizer, and the maps themselves. The overall precision is estimated to be, in general, on the order of 0.05′ (~100 m). In processing the IGP data, we repeated this practice when the existing position data appeared to contain large errors. This occurred most frequently in the instances where 1 : 100,000 scale maps were unavailable or incomplete at the time when the positions of the points were determined after measurements. There are several routes for which the 1 : 100,000 scale maps are not yet available or are still incomplete. For some of these routes (e.g. Oxapampa-Pozuzo and Calca-Quebrada Honda) we point-wise located them at about 1 km intervals using hand-held GPS receivers using the single-point positioning technique.

4.1.4 Constant Tables

Gravimeters are delicate instruments and each has its own sensitivity, therefore, they should be calibrated separately. Usually the maker supplies a constant table for each gravimeter to be used for converting the reading into a (relative) gravity value. If an instrument receives a major overhaul, the constant table may also change and a new table should be established through calibration.

The maker-supplied constant tables cover a wide range of gravity values (in the

case of LaCoste & Romberg gravimeters, the table applies to the values for the surface of the whole world). However, since calibration is done in an environment in which the actual gravity varies only a few hundred milligals, there is a need for the users to make their own calibrations if the surveys are to be carried out at places with grossly different gravity values. Examples of the global-scale calibration of gravimeter constants can be found in Nakagawa *et al.* (1983). This was also the case with the Japanese gravity survey in Peru, since there was a latitude difference of more than 30° corresponding to a gravity difference of about 1,500 milligals. The gravity values in Peru itself change in a wide range ; an example is the 1,400 mgal difference between Jorge Chavez Airport in Lima and Ticlio at a height of 4,840 m (Table 3). The calibration procedures for the Japanese dataset are described in the previous section.

For the IGP gravimeters, the problem was the multiplicity of the maker-supplied constant tables now remaining at the IGP (3 for G93 and 2 for G193). For example, use of different tables for G93 leads to a difference of 8.88 mgal against the gravity difference of 1,354.81 mgal. Since it is difficult to make a one-to-one correspondence between the tables and the survey routes based on the information at hand, we decided not to use the constant tables but to establish an independent method of calibration. The Japanese dataset examined in the last section provides such a calibration scale.

4.2 Calibration of IGP Data

In general, the drift rate is on the order of 0.1–1.0 mgal/month for LaCoste & Romberg gravimeters and 0.1–1.0 mgal/day for Worden gravimeters. Measured gravity values have to be corrected for such drift. For IGP gravity data, however, there are often no documents in the **book**s on how a gravity survey tied the last measuring point with the initial measuring point so that it is difficult to obtain a drift rate appropriate for the whole period of a survey. In such cases we divided a survey period into appropriate segments to apply a drift correction for each segment. This drift correction, after tidal correction, is made by the same procedure as employed for the Japanese dataset (section 3.2).

The data have to be calibrated finally against instrumental sensitivity to be converted into relative gravity values. The calibration procedure is as follows.

1. We disregard IGP survey routes that do not contain at least three or more measuring points for which both the IGP and Japanese data are available.

2. The scale factor of the Worden gravimeter is constant against gravity value, but changes with it for the LaCoste & Romberg gravimeter. Use of a least-squares method may not be appropriate to determine the scale factor for the latter case. Instead of a least-squares method we adopt a more robust estimate of the scale factor. Among the common measuring points we search for the two points (i-th and j-th points) that yield the minimum and maximum gravity values. Denoting these values in the IGP dataset g_i and g_j and those in the Japanese dataset G_i and G_j, respectively, we define the scale factor as

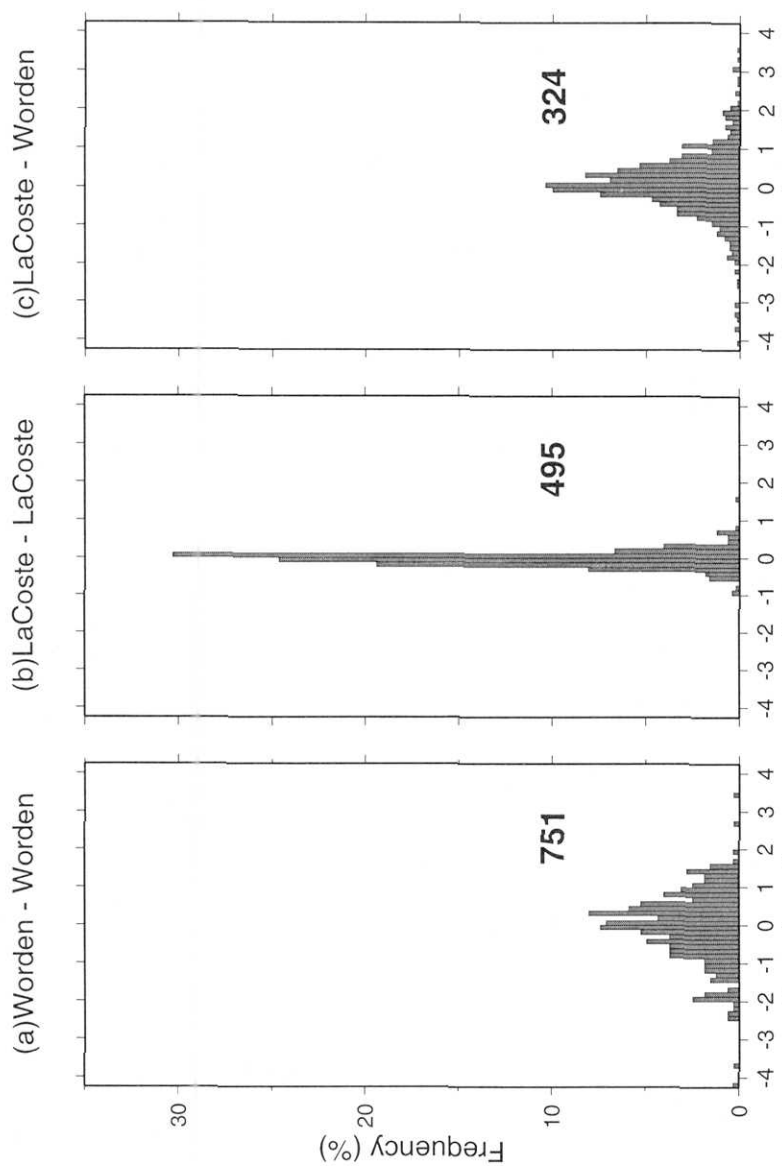

Fig. 2. Histograms of the residuals of the IGP measured gravity values from the assigned gravity value at each crossover point, where three types of crossover point exist such that (a) only Worden routes intersect, (b) only LaCoste & Romberg routes intersect, and (c) Worden routes and LaCoste & Romberg routes intersect.

$$C=(g_j-g_i)/(G_j-G_i). \tag{8}$$

3. With this scale factor the values g_k obtained at other common points (k-th points) are converted into g'_k as

$$g'_k=C * g_k \tag{9}$$

4. We calculate the RMS value of the differences between g'_k and G_k. If the RMS value is smaller than 2 mgal, we regard the scale factor C as appropriate and calibrate all the IGP data with C. The reliability of the scale factor C depends on how large the difference between g_i and g_j is. If g_i and g_j represent the maximum and minimum values along the entire route, the calculated C would be most reliable, although this is not always the actual case.

5. If more than one survey route intersects at a point and if the measurement was not made there by the Japanese team and therefore more than one calibrated gravity value is available there, we assign to that point the gravity value best calibrated by the Japanese data. Note that the data at these points can be used to check the consistency of our whole data set calibrated by the above method.

Figure 2 shows histograms of the residuals of measured gravity values from the assigned gravity value at each crossover point. Since there are three types of crossover point such that (a)only Worden routes intersect, (b)only LaCoste & Romberg routes intersect, and (c)Worden routes and LaCoste & Romberg routes intersect, we show the corresponding histograms separately. The average of the residuals is small, −0.039182, −0.036711, and 0.081707 mgal for cases (a), (b), and (c), respectively, indicating consistency of calibration among different survey routes. The standard deviation of the residuals is 0.950 mgal for case (a), 0.223 mgal for (b), and 0.852 mgal for (c). The values for cases (a) and (b) yield a measure of the accuracy of the assigned gravity values for the Worden routes and the LaCoste & Romberg routes, respectively. The accuracy for the LaCoste & Romberg routes is remarkably good, on the order of 0.2 mgal, which may be compared to the accuracy of the measurements obtained by the Japanese team estimated from closure errors. The measurements obtained using Worden gravimeters are four to five times less accurate than those of LaCoste & Romberg gravimeters.

The total number of calibrated points is 7,659, among which 876 points were reoccupied by the Japanese group and were used as references. The total number of the measurements on these points is 28,054, including 1,424 measurements obtained by the Japanese group. Appendix lists the gravity values at the 7,659 calibrated points, together with pertinent information. This table also lists the Bouguer anomaly values, which are the subject of the next section.

5. Bouguer Anomaly

We calculate a Bouguer anomaly value BA from a measured gravity value g

using the following formula :

$$BA = g - \gamma + \beta h - BC + TC + AC \tag{10}$$

where γ is the normal gravity based on the Geodetic Reference System 1980 (International Association of Geodesy, 1980), β (=0.3086 mgal/m) is the vertical gradient of normal gravity on the surface of the Earth ellipsoid, and h is the station height relative to the geoid, which we assume to be equal to the benchmark height given in the "**descriptions**." BC and TC represent the Bouguer and terrain corrections, respectively. AC is the atmospheric gravity correction, which is defined as :

$$AC = 0.87 - 0.0965h \tag{11}$$

where AC is given in mgal against h in km. In what follows we describe how to calculate BA.

5.1 Calculation of Bouguer Anomaly

For both the Bouguer and terrain corrections, a terrain density has to be assumed. Recently, Murata (1993) developed a method for a Bayesian estimate of a terrain density from gravity data. Nawa *et al.* (1997) extended his method to obtain a lateral variation of terrain density. However, the gravity data now available in Peru are not spatially dense enough to apply their methods. We adopt in this paper a conventional density value of 2.67 g/cm^3,

Usually, a Bouguer correction is made for an infinite slab of thickness h. The survey routes, however, cover all of Peru with h ranging from 0 to 5,000 m, for which the Earth's sphericity cannot be neglected. We made a Bouguer correction for a spherical cap of thickness h with an arc length of 0.72 deg(~80 km), using the formula given by Hagiwara (1975).

Terrain correction is important to obtain accurate Bouguer anomaly values, because many of the measuring stations are situated in places with rugged topography at heights up to 5,000 m. Fukao *et al.* (1989) discussed extensively the importance and difficulty of terrain correction for gravity data in Peru. A major difficulty is the lack of IGN 1 : 100,000 scale topographic maps in some regions, although such regions are now rapidly decreasing due to the efforts of IGN. The incomplete coverage of these topographic maps makes it difficult to correct gravity values for topography in a uniform way for all the data listed in Appendix. In this paper, therefore, we decided to calculate the Bouguer anomaly (simple Bouguer anomaly) without making a correction for topography. The values of the simple Bouguer anomaly are listed in Appendix.

Terrain correction, in general, makes Bouguer anomaly distribution smoother and less correlated with surface topography. Fukao *et al.* (1989) discussed in detail the effect of neglecting terrain correction for the Peruvian Andes and estimated this effect to be, in general, much smaller than 50 mgal. They, at the same time, cautioned that the short-wavelength variation with a maximum amplitude up to 50 mgal

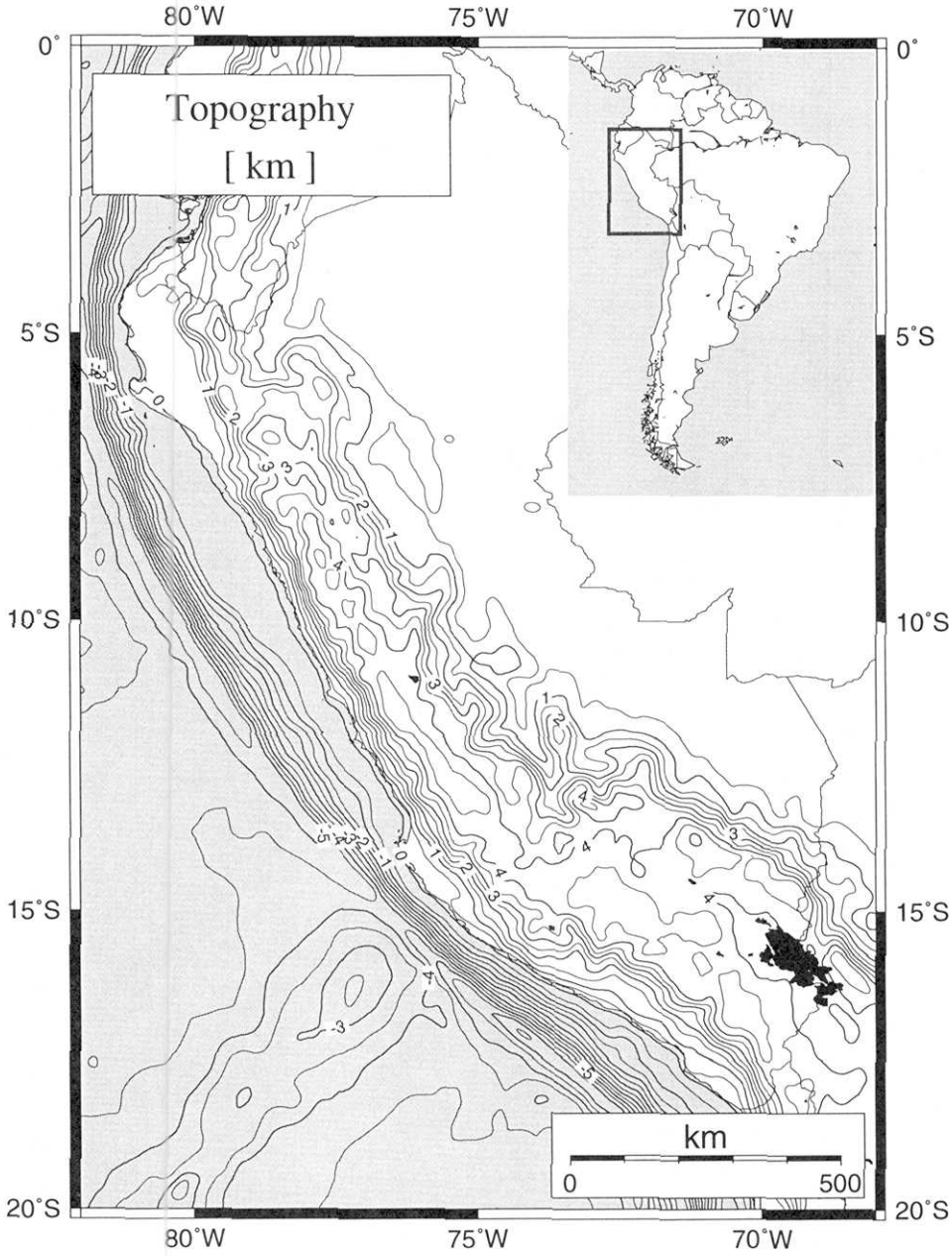

Fig. 3. Topography map in Peru with a contour interval of 500 m, based on the 3′×3′ grid date set (South America DTM3) published by Geophysical Exploration Technology (1995).

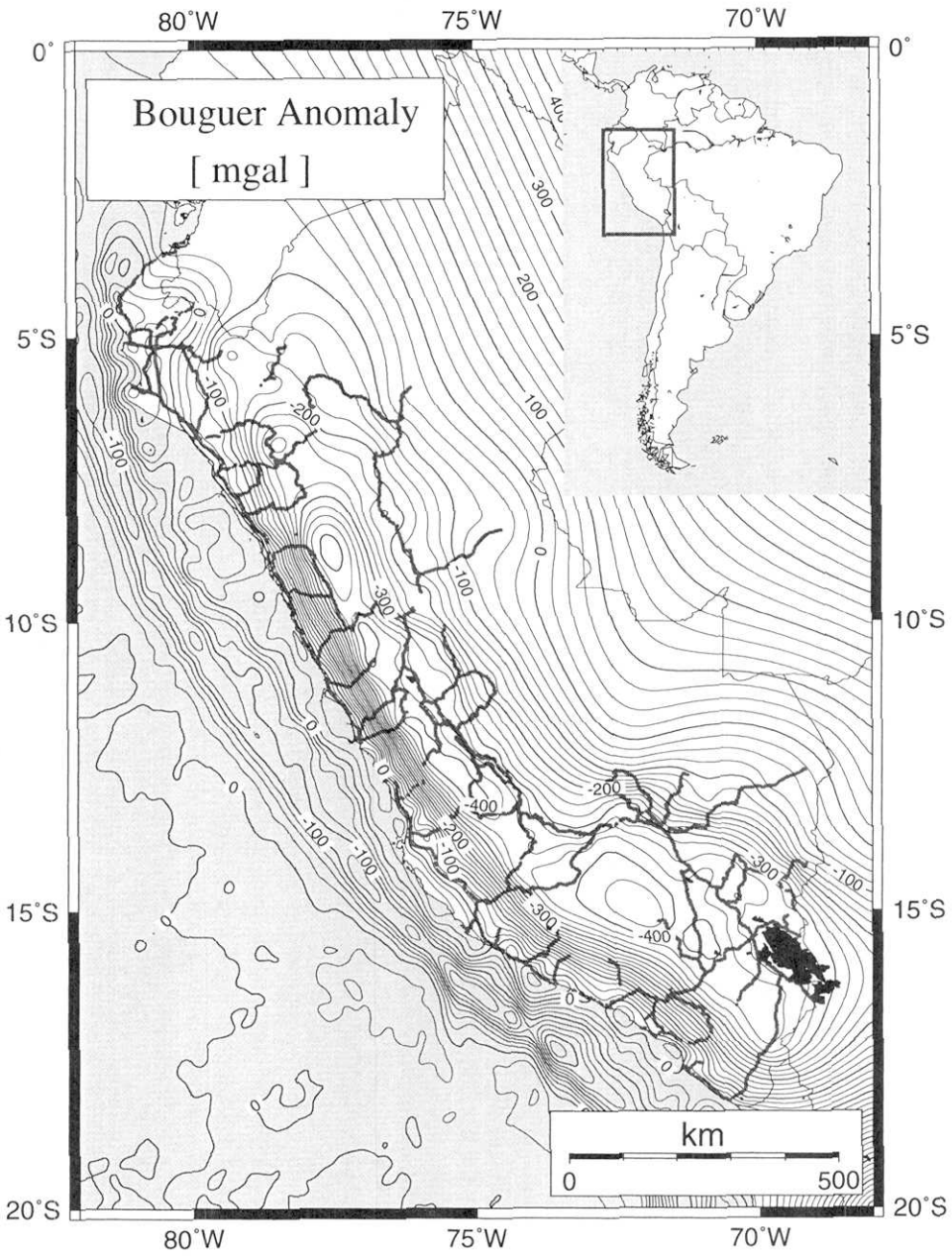

Fig. 4. Simple Bouguer anomaly map in Peru with a contour interval of 25 mgal. The gravity survey routes are also shown. Contours far away from these routes are poorly controlled. Free-air anomaly is contoured at sea, the values of which are taken from the date set of DMAAC (Defense Mapping Agency of Aerospace Center, 1977).

can arise simply from the terrain effect. A systematic terrain correction will be a subject of our forthcoming paper.

Figures 3 and 4 show the topography map (contour interval=500 m) and Bouguer anomaly map (contour interval=25 mgal), respectively. Plates 1 and 2 are colored versions of these figures. The gravity survey routes are indicated on the Bouguer anomaly map. For the topography map, we used the $3' \times 3'$ grid data set (South America DTM3) published by Geophysical Exploration Technology (1995). For the oceanic part of the Bouguer anomaly map we used free-air anomaly (FA), rather than Bouguer anomaly (BA), the values of which were taken from the data set of DMAAC (Defense Mapping Agency of Aerospace Center, 1977). We recommend that readers be careful in interpreting the contours of the Bouguer anomaly far away from the survey routes, which are likely to be spurious.

5.2 Characteristics of Bouguer Anomaly Map

In order to show the main features of the topographic and gravimetric maps, we removed the contours $-3{,}000\,\mathrm{m} < h < -500\,\mathrm{m}$ and $500\,\mathrm{m} < h < 3{,}500\,\mathrm{m}$ from the topography map, but retained a contour of 500 m to the east of the Andes. Similarly, from the gravity map, we removed the contours $-100\,\mathrm{mgal} < FA < 0\,\mathrm{mgal}$ at sea and those $-300\,\mathrm{mgal} < BA < 0\,\mathrm{mgal}$ on land, but retained a contour of -100 mgal to the east of the Andes. Figures 5 and 6 show the resultant topography and gravity maps, which illuminate the characteristics of the topography and gravity of Peru.

Based on these maps we may define the following tectonic divisions.

(1) Ocean basin and Nazca Ridge :
The ocean basin is a flat sea floor defined by a topographic contour of $-4{,}500$ m and a free-air anomaly contour of 0 mgal. The Nazca Ridge is topographically a very pronounced feature with a relative height of $\sim$1,500 m above the ocean basin, but is essentially featureless on the gravity map. Such a contrast between the topographic and gravimetric signatures suggests that the Nazca Ridge is essentially supported by the local Airy isostatic compensation (Sandwell and MacKenzie, 1989).

(2) Trench and outer rise :
The Peru Trench is a topographic low characterized by a contour line of $-4{,}500$ m and a gravity low characterized by a free-air contour line of -100 mgal. The outer rise may be defined as the area of a topographic and gravimetric high outward from the trench, sandwiched by two subparallel contour lines at $-4{,}500$ m and by two subparallel contour lines at 0 mgal, respectively. This pair of gravimetric low and high, corresponding to the trench and the outer rise, has been interpreted in terms of flexure of a lithospheric plate (see e.g. Watts *et al.*, 1980 ; McNutt, 1980).

(3) Coast :
The coastal region in Peru is associated with a pronounced gravity high that may be defined by a contour line of 0 mgal subparallel to the coast (use of a contour line of -100 mgal rather than 0 mgal may be more appropriate for

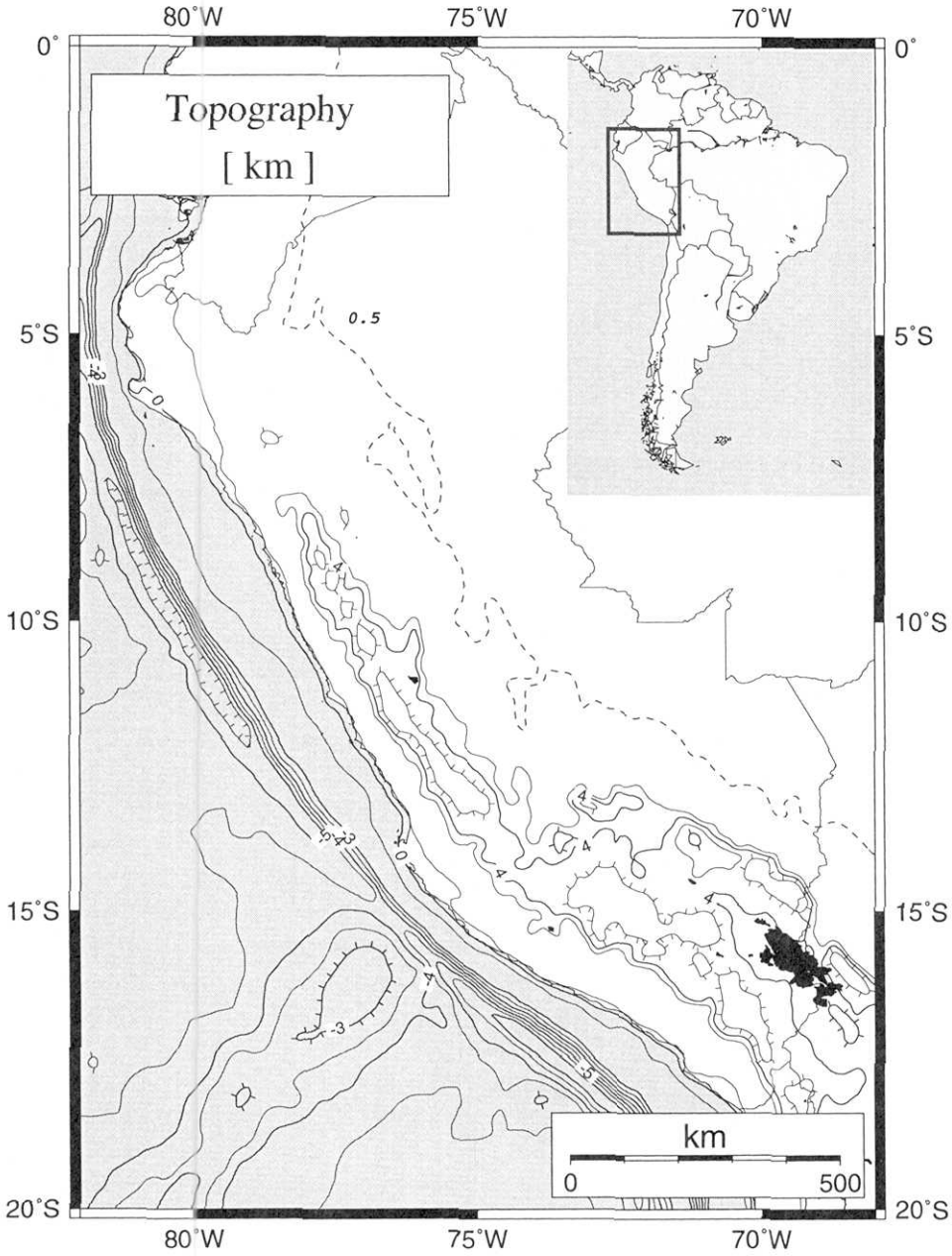

Fig. 5. Topography map in which the contour lunes $-3{,}000\,\mathrm{m} < h < -500\,\mathrm{m}$ and $500\,\mathrm{m} < h < 3{,}500\,\mathrm{m}$ are removed from Fig. 3, in order to highlight the main features of the topography. The contour of 500 m to the east of the Andes is retained.

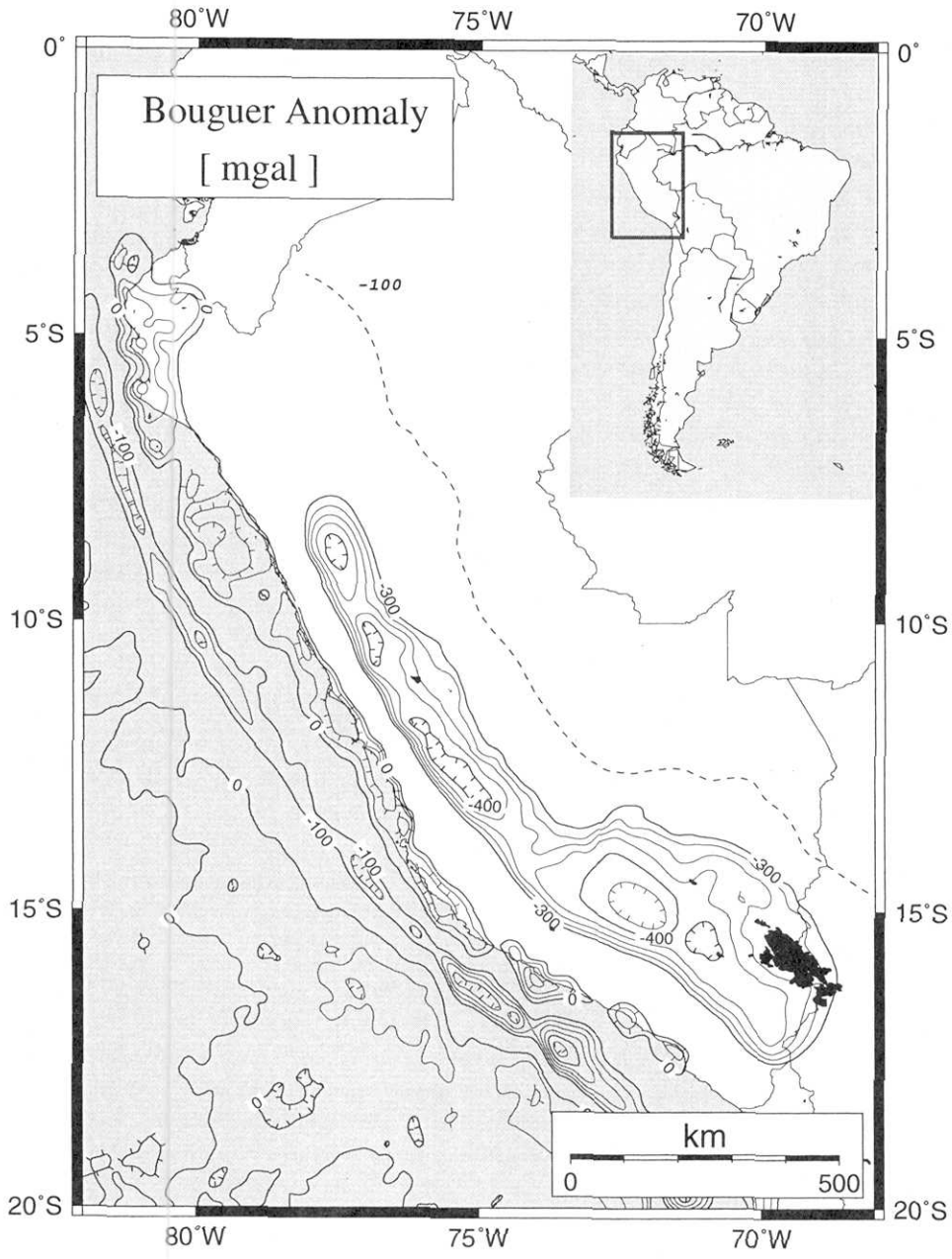

Fig. 6. Simple Bouguer anomaly map in which the contour lines $-100\,\text{mgal} < FA < 0$ mgal at sea and those $-300\,\text{mgal} < BA < 0$ mgal on land are removed from Fig. 4, in order to highlight the main features of the topography. The contour of -100 mgal to the east of the Andes is retained.

southern Peru). In northern and central Peru, this gravity high is well correlated with a coastal terrace defined by two contour lines of −500 m and +500 m. Such a terrace develops poorly in southern Peru, however.

(4) Mountain range :

The Andes is characterized as a topographic high defined by the contour line of 3,500 m and as a Bouguer low defined by the contour line of −300 mgal. This Bouguer low represents the crustal root of the Andes (e.g. Fukao *et al.*, 1989 ; Kono *et al.*, 1989). The axis of the crustal root (the axis of maximum Bouguer low) is more strongly convex against the Nazca ridge than the axis of the flexure of the Nazca plate (the trench axis), suggesting some difference in mechanical strength between the Andean crust and the oceanic plate.

(5) Sub-Andes foreland basin :

The jungle-covered lowland to the east of the Andes is called the sub-Andes foreland basin. This geomorphological unit may be defined as a belt along a topographic contour of 500 m (Fig. 5) and a Bouguer anomaly contour of −100 mgal (Fig. 6). The characteristics of the Bouguer anomaly in this region have been interpreted in terms of flexure of the continental plate of the Brazilian shield (see e.g. Fan *et al.*, 1996 ; Ussami *et al.*, 1999).

5.3 Changes across the Nazca Ridge Extension

In each of the above tectonic divisions there are significant changes in topographic and gravimetric features across the northeastern extension of the Nazca Ridge. We call this extension the Nazca Ridge extension. In what follows we briefly describe changes across the Nazca Ridge extension.

(1) Ocean basin and Nazca Ridge :

On both the topography and gravity maps, the Nazca Ridge is symmetric with respect to its axis, which trends in the NE-SW direction.

(2) Trench and outer rise :

The depth of the trench and the free-air anomaly are different across the Nazca Ridge extension. The SE section of the trench is, in general, of greater depths and of more negative free-air anomalies. The height of the outer rise above the sea floor and the relative free-air anomaly are different across the Nazca Ridge extension. The SE section of the outer rise is, in general, of greater relative heights and of more positive relative free-air anomalies.

(3) Coast :

The topographic and gravimetric features of the coastal region are different across the Nazca Ridge extension. There is a well-developed coastal terrace in the NW section, but not in the SE section. The gravity high of the coastal region is, in general, of higher values and of a greater width in the NW section.

(4) Mountain range :

The widths of the topographic high and Bouguer low corresponding to the Andes and its crustal root, respectively, are vastly different across the Nazca Ridge extension. The widths in the SE section approximately double those in

the NW section. It is remarkable that the Nazca Ridge extension in the mountain range can be recognized not only as a gap in the topographic high between the SE and NW sections, but also a gap in the Bouguer low between the SE and NW sections.

(5) Sub-Andes foreland basin :

The topographic contour representing the sub-Andes foreland basin shows only a slight indication of the bend across the Nazca ridge extension. On the other hand, the corresponding Bouguer anomaly contour still shows a significant bend. This bend is, however, not so sharp as one in the Andes mountains.

6. Conclusions

Gravity measurement in Peru was started in the late 1950's by IGP and the number of benchmarks occupied by the IGP has now amounted nearly to ten thousand. The Japanese team conducted gravity measurement in Peru in 1980, 1984, 1995, 1996, 1997, and 1998 to reoccupy more than 800 benchmarks. We have compiled these two data sets to obtain the first, most comprehensive data set for Peru. A unique feature of this data set is the use of Japanese survey data as references to the IGP data. Another comprehensive IGP data set without such references is now in preparation by Leonidas Ocola of the IGP. The Appendix lists the gravity values and pertinent information on all 7,659 points in our data set. The gravity values are estimated to be accurate to 0.2 mgal for the survey routes with LaCoste & Romberg gravimeters and to 0.9 mgal for those with Worden gravimeters. The accuracy estimated for the survey routes with LaCoste & Romberg gravimeters is comparable to one estmated for the Japanese surveys, indicating the consistency of our procedure.

The procedure we adopted for gravity reduction is somewhat unusual because of the nature of the IGP data set. For this reason we describe the procedure in detail and discuss the uncertainties associated with it. We hope this document will be helpful and self-contained for those who may use our dataset. Finally, we produced the simple Bouguer anomaly map (Fig. 4 and Plate 2) based on our data set and point out its major characteristics. We also enlarged the colored version of the Bouguer anomaly map (Plate 2) to $110 \times 78\,cm^2$ (1 : 2,000,000 scale) to be hung on a wall, which may be viewed by visitors to the institutes. Obviously, the simple Bouguer anomaly map does not accurately carry information about the structure beneath the geoid. In the near future we hope to add the values for terrain correction to the Appendix and to produce a terrain-corrected Bouguer anomaly map.

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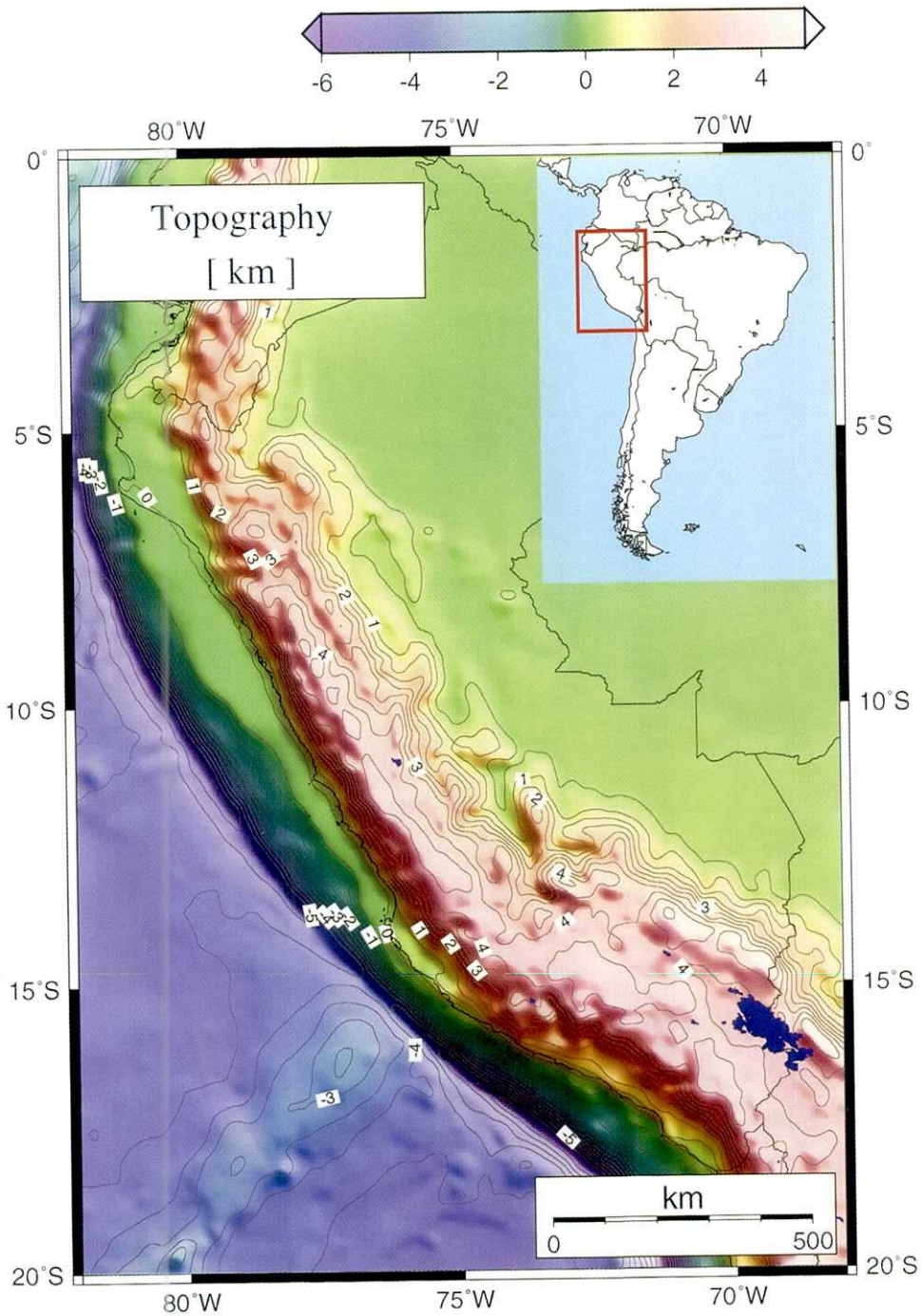

Plate 1. Colored version of the topography map in Peru. See Fig. 3 for further explanations.

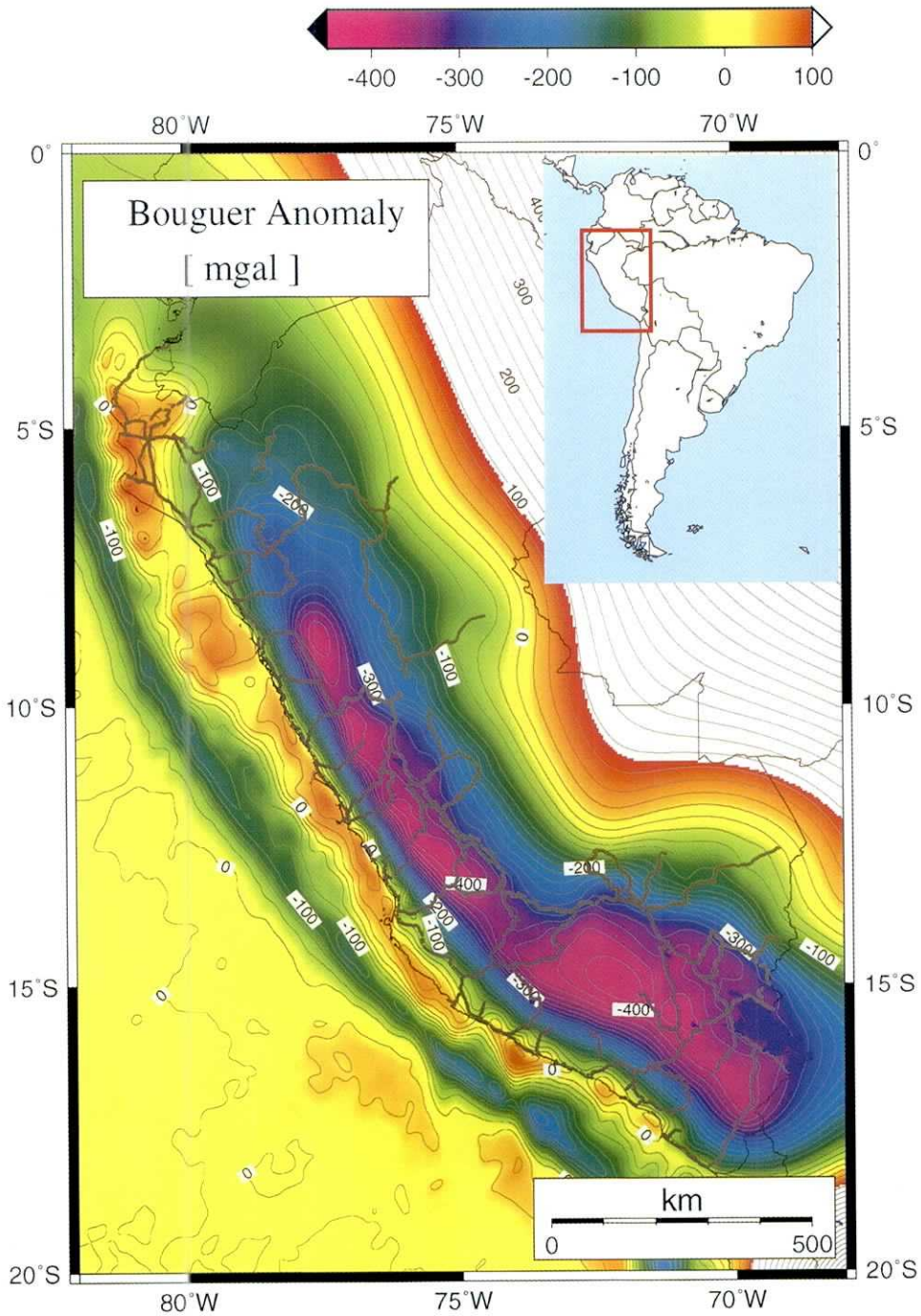

Plate 2. Colored version of the simple Bouguer anomaly map in Peru. See Fig. 4 for further explanations.

APPENDIX

List of Gravity Data and Bouguer Anomaly

by

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Appendix: List of Gravity Data and Bouguer Anomaly.

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1	3	28.65	80	14.65	6.78	977,968.945	− 80.53	
2	3	29.15	80	15.75	7.47	977,968.154	− 81.28	
3	3	29.90	80	16.40	11.53	977,969.613	− 79.16	Zarumilla-Plaza
4	3	30.35	80	18.90	13.54	977,968.659	− 79.81	
5	3	31.60	80	21.85	14.36	977,966.566	− 81.97	
6	3	33.25	80	26.90	5.73	977,971.514	− 79.01	Tumbes-AP
7	3	34.00	80	27.40	5.75	977,976.707	− 73.96	Tumbes
8	3	38.50	80	36.40	8.32	978,071.782	20.77	
9	3	40.00	80	39.30	7.03	978,004.930	− 46.62	
10	3	40.40	80	39.90	4.44	978,005.626	− 46.51	
11	3	41.45	80	41.95	8.77	978,013.338	− 38.15	
12	3	42.25	80	43.10	7.01	978,020.878	− 31.11	
13	3	42.70	80	44.25	13.55	978,013.693	− 37.10	
14	3	43.30	80	45.45	5.17	978,018.020	− 34.53	
15	3	45.30	80	47.35	7.68	978,025.274	− 27.18	
16	3	48.00	80	48.40	6.16	978,029.020	− 24.26	
17	3	49.25	80	48.95	6.32	978,037.975	− 15.52	
18	3	50.60	80	49.45	4.02	978,049.047	− 5.17	
19	3	52.00	80	49.65	5.75	978,054.613	0.45	
20	3	55.55	80	54.60	7.55	978,054.607	0.07	
21	3	57.85	80	56.60	16.57	978,060.639	7.40	
22	3	59.65	80	58.30	20.88	978,064.698	11.92	
23	4	0.75	80	58.35	20.82	978,063.362	10.35	
24	4	2.00	80	57.80	32.03	978,065.519	14.43	
25	4	3.20	80	58.85	13.41	978,064.765	9.78	
26	4	4.25	81	0.00	49.59	978,058.958	10.83	
27	4	4.91	81	1.15	5.23	978,068.262	11.32	
28	4	6.08	81	2.10	7.19	978,071.823	15.01	
29	4	6.25	81	3.05	5.23	978,072.468	15.24	Mancora
30	4	6.50	81	4.15	8.29	978,072.336	15.65	
31	4	10.25	81	7.25	5.16	978,090.196	32.09	
32	4	12.58	81	9.40	18.81	978,095.927	39.98	
33	4	13.42	81	10.05	75.19	978,087.473	42.37	
34	4	14.30	81	10.80	266.41	978,049.030	41.17	
35	4	14.95	81	10.70	270.70	978,052.279	45.11	
36	4	15.80	81	12.70	275.26	978,052.417	45.95	
37	4	16.30	81	12.20	250.74	978,063.128	51.75	
38	4	18.00	81	12.50	247.74	978,061.484	49.14	
39	4	20.05	81	12.80	217.02	978,066.503	47.68	
40	4	21.60	81	13.45	196.46	978,073.522	50.32	
41	4	22.80	81	13.75	180.69	978,079.537	52.97	
42	4	24.00	79	56.25	422.62	977,994.170	14.73	La-Tina
43	4	24.15	81	13.20	162.45	978,088.328	57.88	
44	4	24.25	79	56.10	416.89	977,994.610	13.99	
45	4	25.30	81	12.95	149.21	978,094.921	61.62	
46	4	25.65	79	56.00	480.68	977,981.920	13.48	
47	4	26.60	81	13.60	145.35	978,096.979	62.62	
48	4	26.90	81	13.30	35.93	978,122.635	66.80	
49	4	27.00	79	56.75	472.50	977,986.264	15.91	
50	4	27.85	81	14.30	28.29	978,124.446	66.89	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
51	4	28.00	79	57.90	475.06	977,991.143	21.06	
52	4	28.65	79	59.10	436.19	978,006.373	28.52	
53	4	29.10	81	13.75	27.65	978,126.953	68.98	
54	4	29.95	81	13.20	22.16	978,130.146	70.90	
55	4	30.50	80	2.25	388.11	978,031.066	43.35	
56	4	30.70	80	0.00	398.97	978,019.739	34.10	Suyo-Plaza
57	4	30.85	81	12.70	28.64	978,131.773	73.58	
58	4	31.00	80	1.00	380.68	978,029.480	40.19	
59	4	31.90	81	12.20	32.31	978,131.208	73.49	
60	4	32.40	80	4.10	352.06	978,039.554	44.32	
61	4	32.50	81	12.50	91.28	978,118.088	71.77	
62	4	32.90	80	5.40	402.33	978,031.198	45.70	
63	4	33.00	80	5.20	384.85	978,033.973	45.03	
64	4	33.60	81	12.95	88.12	978,119.047	71.84	
65	4	33.60	80	9.25	396.46	978,039.799	52.98	
66	4	34.10	81	14.15	83.17	978,119.211	70.92	
67	4	34.14	81	12.23	90.50	978,120.072	73.21	
68	4	34.20	81	16.20	15.10	978,131.885	70.25	
69	4	34.50	80	10.75	419.36	978,038.008	55.47	
70	4	34.98	81	10.91	108.52	978,120.063	76.52	
71	4	35.75	80	11.60	348.24	978,052.505	55.73	
72	4	35.88	81	9.64	124.12	978,123.184	82.48	
73	4	36.99	81	8.69	125.23	978,128.213	87.46	
74	4	38.00	80	25.50	150.69	978,086.251	50.24	pueblo-el-desvio
75	4	38.45	81	7.84	136.57	978,127.650	88.77	
76	4	38.50	80	24.25	177.27	978,080.729	49.80	
77	4	38.70	80	18.50	176.09	978,075.934	44.72	
78	4	38.75	80	19.60	159.00	978,082.673	48.10	
79	4	39.00	80	26.30	136.47	978,086.737	47.70	
80	4	39.00	80	17.30	189.30	978,070.468	41.77	
81	4	39.00	80	16.00	237.87	978,060.626	41.44	
82	4	39.25	80	14.50	240.00	978,062.210	43.38	Las-Lomas-Plaza
83	4	39.50	81	6.62	156.81	978,123.526	88.35	
84	4	39.90	80	14.60	218.25	978,065.372	42.13	
85	4	40.20	80	27.00	127.51	978,085.105	44.02	
86	4	40.71	81	5.57	181.71	978,112.998	82.40	
87	4	41.00	80	28.50	108.19	978,089.943	44.88	
88	4	41.98	81	4.73	183.98	978,098.915	68.45	
89	4	42.00	80	15.75	216.44	978,069.008	44.90	
90	4	42.27	80	30.19	84.78	978,095.711	45.76	
91	4	42.65	80	16.10	230.83	978,067.300	45.84	
92	4	43.10	81	3.91	167.03	978,093.896	59.84	
93	4	43.25	80	16.20	236.54	978,067.662	47.18	
94	4	43.42	80	30.85	89.11	978,095.611	46.22	
95	4	44.00	80	16.75	218.50	978,069.661	45.46	
96	4	44.45	80	17.50	214.57	978,069.761	44.68	canal-de-agua
97	4	44.46	80	31.85	82.51	978,096.291	45.35	
98	4	44.63	81	3.38	138.35	978,092.693	52.64	
99	4	45.10	80	17.75	199.13	978,071.534	43.27	
100	4	45.52	80	32.68	78.29	978,098.756	46.73	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
101	4	45.80	80	17.50	190.50	978,068.576	38.45	canal-de-agua
102	4	46.29	81	2.92	124.15	978,091.588	48.35	
103	4	46.55	80	17.15	185.76	978,069.102	37.86	
104	4	46.71	80	33.55	59.09	978,105.320	49.24	
105	4	47.00	80	16.65	180.25	978,068.809	36.37	canal-de-agua
106	4	47.22	81	2.26	112.94	978,094.518	48.85	
107	4	47.40	80	16.30	172.02	978,069.534	35.39	
108	4	47.80	80	16.35	166.70	978,069.865	34.58	
109	4	48.01	80	34.22	68.71	978,107.922	53.40	
110	4	48.33	81	1.80	51.80	978,108.703	50.79	
111	4	48.50	80	16.40	163.20	978,072.881	36.73	
112	4	48.95	80	16.00	156.59	978,073.451	35.89	
113	4	49.31	80	34.88	50.55	978,116.808	58.41	
114	4	49.55	80	15.75	150.33	978,074.655	35.72	
115	4	49.64	81	1.25	29.02	978,113.936	51.24	
116	4	50.20	80	16.20	145.18	978,080.308	40.20	
117	4	50.29	80	48.01	41.82	978,111.729	51.37	
118	4	50.55	80	17.00	107.48	978,082.851	35.28	
119	4	50.60	80	52.50	32.60	978,105.422	43.19	
120	4	50.66	80	50.99	31.88	978,106.895	44.50	
121	4	50.83	80	53.95	31.57	978,105.041	42.54	
122	4	51.04	80	46.95	36.48	978,118.653	57.06	
123	4	51.15	80	43.92	48.82	978,113.259	54.05	
124	4	51.20	81	0.52	16.92	978,117.956	52.50	
125	4	51.35	80	18.70	87.88	978,087.301	35.69	
126	4	51.36	80	56.21	32.83	978,107.961	45.58	
127	4	52.24	80	57.23	21.20	978,106.901	42.02	
128	4	52.63	80	58.62	16.87	978,111.464	45.63	
129	4	52.70	80	19.25	75.16	978,089.786	35.34	
130	4	52.75	80	42.04	41.10	978,113.455	52.34	
131	4	52.77	81	1.78	11.13	978,124.159	57.17	
132	4	52.86	81	0.85	11.54	978,123.247	56.32	
133	4	52.86	80	40.51	49.38	978,112.010	52.48	
134	4	52.87	81	0.88	11.81	978,123.986	57.11	Amotape
135	4	52.90	80	59.98	14.60	978,120.430	54.09	
136	4	52.95	80	22.80	81.41	978,108.844	55.56	
137	4	53.00	81	2.65	7.09	978,125.167	57.33	
138	4	53.09	80	40.86	56.52	978,109.871	51.68	
139	4	53.11	81	1.36	12.25	978,124.594	57.74	Rio-Chira
140	4	53.34	80	41.56	44.48	978,111.594	50.98	Sullana-Pte.
141	4	53.35	80	19.60	72.81	978,090.976	35.91	
142	4	53.39	80	41.24	58.93	978,109.170	51.38	Sullana-Plaza
143	4	53.79	81	3.26	16.35	978,124.433	58.21	Colan-Pueblo-Nuevo
144	4	53.90	80	19.80	69.13	978,092.781	36.85	
145	4	54.00	80	41.69	60.82	978,107.135	49.55	Sullana-Plaza
146	4	54.25	80	20.40	77.26	978,093.760	39.33	
147	4	54.39	81	3.35	6.61	978,126.856	58.57	capilla
148	4	54.50	80	25.70	76.41	978,109.485	54.83	
149	4	54.80	80	26.20	61.84	978,109.606	52.02	
150	4	54.85	80	28.60	55.35	978,116.461	57.59	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
151	4	55.02	80	41.68	74.12	978,103.316	48.08	
152	4	55.25	80	20.20	64.57	978,099.248	42.08	
153	4	55.25	81	3.83	5.22	978,128.088	59.31	
154	4	55.56	80	30.23	63.60	978,121.687	64.25	
155	4	55.75	80	20.40	68.22	978,102.386	45.80	Tambo-Grande
156	4	55.93	80	41.68	93.32	978,101.513	49.80	
157	4	56.00	81	3.70	3.85	978,130.851	61.61	
158	4	56.26	80	31.87	79.50	978,122.804	68.30	
159	4	56.79	80	41.68	107.45	978,101.005	51.83	
160	4	57.26	80	33.14	71.41	978,126.263	69.92	
161	4	57.67	80	41.74	86.19	978,107.151	53.59	
162	4	57.71	81	4.63	1.23	978,138.160	67.97	
163	4	57.78	80	34.85	43.54	978,125.505	63.57	Rio-Piura
164	4	58.37	81	4.21	1.75	978,142.225	71.96	
165	4	58.46	80	34.85	60.55	978,121.336	62.55	
166	4	58.65	80	41.72	74.15	978,108.561	52.39	
167	4	58.91	80	34.75	55.49	978,120.714	60.82	
168	4	59.50	80	34.72	51.94	978,119.228	58.49	
169	4	59.52	81	3.88	1.54	978,143.811	73.21	
170	4	59.66	80	41.85	71.64	978,106.518	49.59	
171	5	0.17	81	3.00	74.79	978,126.375	69.94	
172	5	0.24	81	3.30	10.14	978,141.019	71.91	
173	5	0.68	80	34.96	52.69	978,108.087	47.19	
174	5	1.33	80	41.87	56.23	978,104.490	44.12	
175	5	1.73	80	35.30	45.01	978,101.814	39.14	
176	5	1.82	81	3.05	75.20	978,125.578	68.79	
177	5	2.12	80	41.96	62.65	978,103.178	43.85	
178	5	3.06	80	42.07	55.43	978,100.582	39.59	
179	5	3.19	81	3.41	73.70	978,132.779	75.33	
180	5	3.94	80	35.65	40.62	978,093.217	29.10	
181	5	4.01	81	3.82	74.83	978,140.892	83.45	
182	5	4.16	80	42.28	58.38	978,095.833	35.13	
183	5	4.77	81	4.75	72.90	978,148.599	90.58	
184	5	4.98	81	5.95	67.99	978,156.388	97.35	cementerio
185	5	5.02	81	6.68	2.59	978,173.494	101.65	Paita
186	5	5.06	81	5.60	72.19	978,153.128	94.89	
187	5	5.08	80	42.25	58.77	978,090.676	29.81	
188	5	5.40	80	35.74	39.21	978,084.020	19.24	
189	5	5.64	80	9.53	92.11	978,055.849	1.36	Chuluca-Plaza
190	5	5.73	81	4.39	64.53	978,154.850	94.94	
191	5	5.86	80	9.90	85.18	978,055.091	− 0.81	
192	5	6.08	80	35.99	38.12	978,082.158	16.99	
193	5	6.13	81	3.10	73.56	978,151.873	93.62	
194	5	6.32	81	1.85	81.13	978,147.702	90.88	
195	5	6.48	81	0.71	73.13	978,148.729	90.30	
196	5	6.48	80	42.06	43.07	978,086.061	21.75	
197	5	6.49	80	9.24	88.12	978,054.385	− 1.12	
198	5	6.51	80	10.20	87.55	978,053.493	− 2.12	
199	5	6.59	80	59.93	82.99	978,146.932	90.40	
200	5	6.75	80	58.70	84.70	978,144.109	87.87	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
201	5	6.84	80	57.39	83.64	978,141.625	85.16	
202	5	6.96	80	55.95	75.48	978,141.326	83.23	
203	5	7.07	80	54.48	71.72	978,139.434	80.57	
204	5	7.09	80	53.30	66.94	978,137.490	77.69	
205	5	7.25	80	41.95	36.83	978,083.784	18.05	
206	5	7.28	80	52.13	66.26	978,133.979	73.99	
207	5	7.40	80	36.18	38.50	978,076.604	11.15	
208	5	7.45	80	51.14	77.86	978,125.377	67.61	
209	5	7.93	80	49.48	98.63	978,111.554	57.73	
210	5	7.95	80	19.09	200.36	978,052.739	18.82	
211	5	8.04	80	20.12	217.88	978,052.602	22.09	
212	5	8.11	78	19.86	278.39	977,856.696	− 161.98	
213	5	8.15	80	17.91	184.14	978,052.230	15.08	
214	5	8.17	80	20.94	234.02	978,050.283	22.90	
215	5	8.19	80	36.32	40.18	978,074.788	9.46	
216	5	8.23	80	10.28	91.04	978,047.861	− 7.53	Chuluca
217	5	8.30	80	41.81	36.46	978,080.605	14.52	
218	5	8.39	80	16.95	150.95	978,054.740	11.03	
219	5	8.41	80	48.31	124.61	978,103.260	54.39	
220	5	8.44	80	22.27	235.12	978,051.619	24.38	
221	5	8.47	80	6.40	95.51	978,037.543	− 17.04	
222	5	8.48	80	26.63	200.03	978,057.481	23.36	
223	5	8.56	80	22.83	230.91	978,053.446	25.35	
224	5	8.57	80	25.33	214.59	978,053.806	22.51	
225	5	8.58	80	47.53	107.34	978,104.546	52.25	
226	5	8.61	80	16.02	131.64	978,054.343	6.79	
227	5	8.64	80	23.89	236.02	978,052.761	25.64	
228	5	8.76	80	27.98	173.45	978,064.504	25.10	
229	5	8.90	80	45.98	99.62	978,099.287	45.40	
230	5	8.92	80	15.34	117.62	978,054.159	3.78	
231	5	8.93	78	19.80	287.19	977,857.637	− 159.54	
232	5	9.09	80	5.88	96.07	978,033.245	− 21.39	
233	5	9.10	80	36.59	35.30	978,073.128	6.60	
234	5	9.11	80	29.19	156.40	978,069.186	26.35	
235	5	9.12	80	10.45	102.87	978,035.927	− 17.39	
236	5	9.14	80	45.11	79.52	978,093.188	35.30	
237	5	9.19	80	41.53	31.57	978,078.867	11.58	
238	5	9.34	80	14.53	123.32	978,045.317	− 4.05	
239	5	9.41	78	19.88	291.09	977,861.952	− 154.59	
240	5	9.42	80	13.32	131.43	978,033.911	− 13.90	
241	5	9.47	80	43.87	54.32	978,088.762	25.85	
242	5	9.48	80	30.41	139.40	978,070.814	24.55	
243	5	9.70	80	12.10	120.67	978,033.250	− 16.74	
244	5	9.75	80	31.36	106.68	978,071.947	19.21	
245	5	9.86	80	1.22	106.96	978,022.922	− 29.79	
246	5	9.87	80	11.28	112.23	978,033.838	− 17.85	
247	5	9.92	80	42.53	30.10	978,086.043	18.27	
248	5	9.93	80	11.03	107.70	978,032.839	− 19.75	
249	5	10.00	79	59.70	121.61	978,019.703	− 30.18	
250	5	10.02	80	8.51	107.82	978,035.054	− 17.54	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
251	5	10.05	80	41.17	34.93	978,076.264	9.41	
252	5	10.06	80	10.45	107.70	978,032.688	− 19.94	Chulucanas
253	5	10.08	80	3.19	101.70	978,023.892	− 29.91	
254	5	10.10	80	1.78	103.82	978,023.207	− 30.19	
255	5	10.15	80	3.86	104.25	978,024.995	− 28.33	
256	5	10.18	80	9.33	126.47	978,030.005	− 18.98	
257	5	10.18	80	32.70	65.70	978,068.541	7.66	
258	5	10.30	78	23.86	354.53	977,862.744	− 141.61	
259	5	10.33	80	41.21	33.50	978,078.120	10.91	
260	5	10.42	80	39.99	35.76	978,072.206	5.41	
261	5	10.43	80	2.37	102.44	978,022.990	− 30.76	
262	5	10.46	80	33.85	51.08	978,064.106	0.29	
263	5	10.50	78	22.16	318.27	977,865.128	− 146.38	
264	5	10.50	78	26.83	709.00	977,813.250	− 121.62	
265	5	10.52	80	8.09	99.05	978,033.293	− 21.15	
266	5	10.54	78	22.73	314.41	977,863.858	− 148.42	
267	5	10.57	78	23.32	339.78	977,863.630	− 143.68	
268	5	10.57	78	24.81	460.94	977,849.552	− 134.01	
269	5	10.60	78	20.54	300.51	977,865.326	− 149.69	
270	5	10.64	78	21.32	328.25	977,861.350	− 148.24	
271	5	10.64	78	26.32	643.71	977,825.579	− 122.15	
272	5	10.79	80	39.01	29.53	978,068.305	0.19	
273	5	10.84	78	25.28	510.36	977,848.809	− 125.14	
274	5	10.90	78	22.98	333.79	977,864.120	− 144.46	
275	5	10.92	80	35.23	41.77	978,063.465	− 2.29	
276	5	10.98	79	58.04	130.74	978,015.598	− 32.76	Morropon
277	5	11.11	79	59.01	122.52	978,014.797	− 35.21	
278	5	11.34	80	36.29	29.36	978,065.627	− 2.67	
279	5	11.39	78	27.44	780.00	977,796.802	− 124.37	
280	5	11.60	80	7.47	113.55	978,028.146	− 23.75	
281	5	11.61	80	37.50	28.84	978,066.802	− 1.67	Piura-Plaza
282	5	11.72	80	37.02	31.23	978,065.283	− 2.75	
283	5	11.81	79	59.74	116.80	978,017.194	− 34.12	
284	5	12.00	78	27.46	723.54	977,810.492	− 121.93	
285	5	12.11	80	0.46	109.83	978,017.188	− 35.57	
286	5	12.15	80	36.88	30.97	978,065.612	− 2.59	
287	5	12.64	80	37.28	30.45	978,066.522	− 1.92	
288	5	12.68	78	27.41	658.95	977,820.008	− 125.28	
289	5	12.78	80	36.98	27.57	978,067.369	− 1.67	
290	5	12.83	80	0.39	115.14	978,014.074	− 37.84	
291	5	12.91	80	37.46	30.34	978,068.109	− 0.42	
292	5	12.91	80	7.06	109.26	978,027.105	− 25.98	
293	5	13.17	80	1.30	112.14	978,014.400	− 38.20	cruce
294	5	13.22	78	27.37	616.22	977,828.164	− 125.66	
295	5	13.55	80	37.81	27.46	978,070.819	1.55	
296	5	13.72	80	37.92	28.21	978,071.579	2.41	
297	5	13.88	78	27.31	564.64	977,838.112	− 126.01	
298	5	14.15	79	27.00	1881.27	977,532.194	− 172.80	
299	5	14.18	79	59.15	115.44	978,010.742	− 41.48	
300	5	14.20	79	26.90	1929.22	977,523.961	− 171.57	Huancabamba-Plaza

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
301	5	14.22	80	38.45	26.33	978,074.623	4.95	
302	5	14.40	80	6.64	133.42	978,018.425	− 30.34	
303	5	14.43	80	38.90	24.33	978,079.422	9.30	
304	5	14.51	80	38.09	25.79	978,075.097	5.24	
305	5	14.65	79	27.20	1954.48	977,519.876	− 170.79	
306	5	14.71	80	37.75	25.90	978,076.139	6.25	
307	5	14.73	78	26.83	462.02	977,855.006	− 129.48	
308	5	15.02	79	58.32	113.00	978,008.666	− 44.27	
309	5	15.15	79	27.10	2078.30	977,497.072	− 169.25	
310	5	15.16	80	37.06	32.02	978,078.444	9.63	
311	5	15.21	80	39.67	24.24	978,087.003	16.65	
312	5	15.27	78	26.39	396.96	977,867.827	− 129.56	
313	5	15.45	80	6.30	128.78	978,017.894	− 32.07	
314	5	15.75	79	27.70	2278.34	977,462.908	− 164.00	
315	5	15.77	80	40.40	23.33	978,094.429	23.75	Catacaos
316	5	15.79	80	36.65	29.97	978,084.739	15.35	
317	5	15.85	79	57.96	135.06	978,002.155	− 46.69	Buenos-Aires-Plaza
318	5	16.12	78	25.41	344.56	977,871.893	− 135.99	
319	5	16.38	80	40.70	21.00	978,099.852	28.54	
320	5	16.39	80	5.82	120.53	978,018.107	− 33.73	
321	5	16.50	78	25.17	326.50	977,874.578	− 136.95	Rio-Mirana
322	5	16.69	80	36.66	24.87	978,091.768	21.13	
323	5	17.01	80	5.62	134.79	978,014.100	− 35.12	
324	5	17.06	80	41.46	20.35	978,109.971	38.35	Narihuala
325	5	17.10	79	28.35	2550.58	977,413.603	− 159.74	
326	5	17.22	79	56.61	127.72	977,997.662	− 52.99	
327	5	17.42	80	5.50	155.38	978,008.711	− 36.59	
328	5	17.51	80	36.84	24.30	978,097.492	26.52	
329	5	17.75	79	28.20	2654.68	977,392.803	− 160.07	
330	5	17.76	79	55.88	128.80	977,993.589	− 57.01	
331	5	17.90	80	42.07	19.93	978,118.913	46.98	
332	5	17.94	80	5.26	140.17	978,009.120	− 39.30	
333	5	18.20	79	28.75	2696.59	977,387.201	− 157.49	
334	5	18.37	80	37.06	20.88	978,103.631	31.75	
335	5	18.40	80	5.06	132.47	978,009.589	− 40.46	
336	5	18.77	79	55.56	128.76	977,992.899	− 57.98	
337	5	18.79	79	30.73	3094.26	977,317.102	− 148.77	
338	5	19.00	79	29.00	2902.79	977,344.120	− 159.86	
339	5	19.10	80	4.71	135.44	978,007.483	− 42.18	
340	5	19.15	80	42.41	19.38	978,124.109	51.72	
341	5	19.17	79	30.06	3092.53	977,310.269	− 156.05	
342	5	19.25	79	29.75	3049.66	977,319.075	− 155.79	
343	5	19.26	80	37.14	19.06	978,108.180	35.70	
344	5	19.36	79	54.78	131.30	977,990.221	− 60.33	
345	5	19.44	79	55.63	131.47	977,992.246	− 58.29	
346	5	19.53	79	30.72	3094.89	977,316.126	− 149.82	
347	5	19.56	79	54.19	135.60	977,989.367	− 60.39	
348	5	19.82	79	31.07	3184.84	977,299.407	− 148.74	
349	5	19.91	80	42.65	17.64	978,128.792	55.85	
350	5	19.96	79	53.36	138.90	977,987.691	− 61.54	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
351	5	20.14	80	37.06	16.85	978,113.334	40.17	
352	5	20.29	79	51.34	150.57	977,983.217	− 63.82	
353	5	20.35	79	50.48	154.62	977,979.421	− 66.84	
354	5	20.59	78	26.79	344.62	977,847.661	− 161.45	
355	5	20.76	80	3.93	141.47	978,004.181	− 44.77	
356	5	20.92	80	43.27	16.09	978,131.903	58.38	
357	5	21.02	79	32.22	3074.02	977,323.792	− 146.72	
358	5	21.06	80	37.00	19.09	978,116.109	43.13	
359	5	21.38	79	34.57	1943.94	977,561.225	− 133.38	
360	5	21.40	79	32.90	2995.39	977,333.301	− 152.95	
361	5	21.48	78	26.89	353.04	977,846.236	− 161.47	
362	5	21.54	79	33.47	2764.38	977,382.407	− 149.76	
363	5	21.58	79	33.08	2931.01	977,347.451	− 151.64	
364	5	21.63	80	3.53	153.42	978,000.041	− 46.81	
365	5	21.70	79	34.13	2587.99	977,415.954	− 151.25	
366	5	21.89	80	36.85	18.20	978,118.518	45.13	
367	5	21.94	79	34.62	1831.99	977,583.927	− 132.95	
368	5	22.03	80	43.95	14.63	978,133.810	59.69	
369	5	22.32	79	36.23	1197.95	977,727.298	− 114.70	Cauchaque
370	5	22.41	78	26.81	362.40	977,844.180	− 161.96	
371	5	22.47	80	3.10	159.31	977,997.748	− 48.18	
372	5	22.53	79	36.89	1090.70	977,757.014	− 106.15	
373	5	22.59	79	34.96	1712.18	977,620.994	− 119.72	
374	5	22.74	80	36.79	16.67	978,119.915	45.99	
375	5	22.78	79	36.46	1231.63	977,726.257	− 109.24	
376	5	22.88	79	34.66	2208.11	977,507.732	− 135.05	
377	5	22.90	79	35.77	1630.45	977,639.824	− 117.11	
378	5	23.04	79	48.69	176.09	977,967.098	− 75.71	
379	5	23.12	80	2.82	148.11	978,000.102	− 48.20	
380	5	23.33	79	36.04	1507.22	977,668.086	− 113.27	
381	5	23.38	79	37.22	925.82	977,789.277	− 106.55	
382	5	23.46	78	26.70	355.26	977,847.479	− 160.35	
383	5	23.68	80	44.37	17.22	978,134.618	60.54	La-Union
384	5	23.71	80	36.71	22.86	978,118.982	46.00	
385	5	23.86	79	48.20	183.30	977,963.729	− 77.90	
386	5	23.90	80	2.43	145.51	978,000.189	− 48.85	
387	5	23.94	78	26.63	343.58	977,848.430	− 161.82	
388	5	24.03	79	37.67	831.49	977,803.943	− 110.60	
389	5	24.48	80	36.60	21.38	978,119.353	45.87	
390	5	24.52	79	47.62	187.84	977,959.898	− 81.03	
391	5	24.75	79	39.36	648.98	977,853.233	− 97.36	
392	5	24.88	80	44.81	12.24	978,136.900	61.51	
393	5	24.90	80	1.95	152.65	977,998.945	− 48.97	
394	5	24.99	79	40.28	600.70	977,868.572	− 91.56	
395	5	25.13	79	46.97	193.89	977,958.164	− 81.75	
396	5	25.17	79	40.86	505.11	977,887.965	− 90.97	
397	5	25.24	79	42.00	312.56	977,926.676	− 90.02	
398	5	25.25	79	42.54	264.33	977,938.619	− 87.53	
399	5	25.27	79	41.98	394.74	977,910.814	− 89.79	
400	5	25.45	79	43.39	230.57	977,947.600	− 85.22	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
401	5	25.57	80	36.53	26.46	978,117.088	44.29	
402	5	25.65	78	27.24	361.49	977,828.766	− 178.46	
403	5	25.77	79	46.43	201.13	977,955.991	− 82.68	
404	5	25.87	79	44.49	222.34	977,950.621	− 83.93	
405	5	25.96	80	1.41	160.19	977,996.801	− 49.94	
406	5	26.03	79	45.35	207.47	977,954.800	− 82.70	
407	5	26.12	78	27.85	368.36	977,828.544	− 177.47	
408	5	26.20	80	45.09	12.58	978,138.843	63.15	Bellavista
409	5	26.41	80	36.44	11.57	978,119.563	43.61	
410	5	26.60	78	28.52	353.04	977,828.468	− 180.68	
411	5	26.80	80	0.81	155.02	977,998.015	− 49.98	
412	5	27.26	80	45.55	8.56	978,140.960	64.18	Rinconada
413	5	27.28	78	29.27	366.58	977,818.245	− 188.45	
414	5	27.29	80	36.22	19.63	978,116.175	41.55	
415	5	27.91	80	0.36	163.66	977,996.934	− 49.68	
416	5	27.96	78	30.21	384.28	977,815.407	− 188.01	
417	5	28.14	80	36.05	18.84	978,115.068	40.05	
418	5	28.34	80	46.03	7.98	978,140.800	63.60	
419	5	28.37	78	31.11	388.12	977,808.904	− 193.88	
420	5	28.65	78	32.05	370.23	977,813.141	− 193.22	
421	5	28.80	80	0.00	173.00	977,994.224	− 50.82	
422	5	29.13	80	35.90	21.22	978,112.886	38.05	
423	5	29.31	80	46.43	6.77	978,139.497	61.78	
424	5	29.33	78	32.73	379.22	977,821.929	− 182.87	
425	5	29.95	80	35.71	23.16	978,110.732	36.04	
426	5	30.03	79	59.53	191.77	977,987.818	− 53.90	
427	5	30.20	78	33.01	385.39	977,821.147	− 182.69	
428	5	30.98	78	32.67	381.21	977,819.927	− 184.96	
429	5	30.99	80	47.56	5.52	978,137.120	58.68	
430	5	31.10	80	35.36	24.86	978,108.446	33.75	
431	5	31.16	79	59.08	199.34	977,981.872	− 58.69	
432	5	31.79	79	58.75	202.23	977,979.770	− 60.41	
433	5	31.88	78	32.79	369.40	977,820.294	− 187.16	
434	5	32.04	80	35.00	21.82	978,108.509	32.95	
435	5	32.17	80	48.41	5.07	978,134.335	55.46	
436	5	32.75	78	32.74	364.42	977,820.551	− 188.13	
437	5	32.76	79	58.23	219.88	977,972.248	− 64.75	
438	5	32.85	80	49.10	3.93	978,132.802	53.51	
439	5	32.86	80	34.81	29.59	978,106.962	32.69	
440	5	32.98	80	49.15	2.69	978,131.082	51.51	
441	5	33.27	80	49.16	10.81	978,129.265	51.20	Sechura-Plaza
442	5	33.47	78	32.97	375.31	977,817.617	− 189.14	
443	5	33.65	80	34.66	21.24	978,110.068	33.93	
444	5	33.76	79	58.09	233.25	977,969.941	− 64.73	
445	5	34.34	80	48.60	12.22	978,132.933	54.83	
446	5	34.41	78	33.17	401.16	977,813.115	− 188.85	
447	5	34.70	79	57.96	256.65	977,965.665	− 64.70	
448	5	34.85	80	34.45	14.58	978,112.344	34.56	
449	5	35.15	79	55.01	189.28	977,974.692	− 68.99	
450	5	35.27	79	56.00	210.95	977,970.117	− 69.36	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
451	5	35.30	78	33.06	383.87	977,817.844	− 187.76	
452	5	35.30	79	57.46	281.88	977,959.666	− 65.93	
453	5	35.45	79	56.84	216.63	977,972.004	− 66.41	
454	5	35.61	80	47.98	12.59	978,132.593	54.20	
455	5	35.75	79	54.00	168.93	977,978.581	− 69.27	
456	5	35.76	80	34.32	16.64	978,111.393	33.74	
457	5	35.87	80	47.86	12.73	978,130.088	51.64	
458	5	35.98	78	32.71	390.45	977,817.994	− 186.52	
459	5	36.59	80	34.17	16.26	978,111.576	33.61	
460	5	36.81	78	32.47	386.77	977,819.784	− 185.70	
461	5	36.86	79	53.19	158.87	977,978.455	− 71.68	
462	5	36.91	80	47.31	9.41	978,126.661	47.26	
463	5	37.33	78	33.15	399.37	977,819.285	− 183.88	
464	5	37.56	80	34.03	11.83	978,112.638	33.52	
465	5	37.68	79	52.86	151.53	977,978.767	− 73.05	
466	5	37.96	78	33.31	394.67	977,822.461	− 181.81	
467	5	38.09	78	33.87	423.61	977,820.167	− 178.47	
468	5	38.40	80	46.78	7.78	978,122.427	42.27	
469	5	38.42	80	33.94	18.09	978,110.070	31.93	
470	5	38.43	78	34.45	480.26	977,810.497	− 177.13	
471	5	38.66	79	52.79	149.89	977,977.873	− 74.55	
472	5	38.99	78	34.79	502.38	977,807.651	− 175.80	
473	5	39.15	80	46.08	6.90	978,121.425	40.88	
474	5	39.41	80	33.75	47.66	978,102.273	29.62	
475	5	39.47	79	52.72	142.55	977,978.859	− 75.24	
476	5	39.88	78	34.97	523.32	977,804.471	− 175.14	
477	5	40.10	80	45.26	4.61	978,120.941	39.66	
478	5	40.14	77	45.48	2164.23	977,499.619	− 156.82	
479	5	40.33	80	33.67	52.55	978,100.311	28.34	
480	5	40.39	77	43.69	1988.19	977,532.909	− 158.41	
481	5	40.46	77	40.37	1853.33	977,567.989	− 150.00	
482	5	40.54	77	45.95	2234.10	977,485.291	− 157.44	
483	5	40.56	79	52.26	135.95	977,979.854	− 75.86	
484	5	40.56	77	42.74	1964.19	977,544.952	− 151.16	
485	5	40.72	77	44.28	2029.73	977,523.731	− 159.48	
486	5	40.84	77	38.57	1730.11	977,589.763	− 152.67	
487	5	40.98	77	42.11	1905.61	977,558.830	− 148.99	
488	5	41.08	77	37.62	1671.19	977,601.571	− 152.56	
489	5	41.12	80	44.72	5.44	978,119.651	38.24	
490	5	41.15	77	46.20	2301.14	977,471.426	− 158.21	
491	5	41.25	80	33.49	43.89	978,101.848	27.92	
492	5	41.46	78	36.07	472.62	977,823.542	− 166.48	
493	5	41.64	79	52.64	139.58	977,979.515	− 75.81	
494	5	41.65	77	47.23	2207.48	977,491.176	− 157.15	
495	5	41.72	77	46.58	2276.05	977,476.669	− 158.10	
496	5	41.81	78	36.29	473.12	977,826.166	− 163.86	
497	5	41.89	77	52.96	1935.31	977,546.163	− 156.05	
498	5	41.93	77	35.61	1553.72	977,626.889	− 150.67	
499	5	42.09	77	52.35	1973.50	977,538.616	− 156.11	
500	5	42.10	77	50.60	2030.38	977,526.765	− 156.72	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
501	5	42.27	78	36.59	486.86	977,827.729	− 159.74	Pte.
502	5	42.27	80	44.42	3.07	978,120.486	38.27	
503	5	42.31	78	33.74	580.02	977,802.314	− 166.89	
504	5	42.34	80	33.35	41.98	978,102.798	28.17	
505	5	42.42	78	34.49	544.32	977,810.712	− 165.53	
506	5	42.42	77	34.59	1510.22	977,634.976	− 151.31	
507	5	42.56	78	35.24	507.35	977,820.871	− 162.66	
508	5	42.59	79	53.18	134.08	977,980.985	− 75.69	
509	5	42.64	77	49.35	2082.50	977,513.110	− 160.23	Progreso
510	5	42.66	78	33.10	539.33	977,811.136	− 166.16	
511	5	42.69	78	36.05	520.99	977,822.252	− 158.65	
512	5	42.76	78	32.23	510.63	977,820.448	− 162.50	
513	5	42.77	78	36.85	522.11	977,824.681	− 156.02	Cruce-Chachapoyas
514	5	42.85	78	31.29	475.86	977,823.828	− 165.97	
515	5	42.90	77	33.71	1436.57	977,649.214	− 151.73	
516	5	42.93	78	30.63	434.17	977,831.178	− 166.82	
517	5	43.08	77	53.68	1801.31	977,571.095	− 157.95	
518	5	43.16	80	33.18	30.15	978,105.795	28.61	
519	5	43.28	78	37.54	467.23	977,838.101	− 153.52	
520	5	43.29	77	33.16	1420.02	977,655.612	− 148.71	
521	5	43.34	80	44.12	2.84	978,121.657	39.07	
522	5	43.35	77	31.09	1309.03	977,678.263	− 147.94	
523	5	43.53	77	30.39	1250.70	977,687.860	− 149.89	
524	5	43.53	77	31.73	1313.26	977,675.147	− 150.28	Pte.
525	5	43.67	79	52.89	142.81	977,978.778	− 76.52	
526	5	43.74	78	38.22	449.73	977,843.425	− 151.76	
527	5	43.76	77	53.84	1717.39	977,585.564	− 160.25	
528	5	43.77	77	32.44	1397.40	977,661.882	− 147.04	
529	5	43.92	77	29.98	1199.04	977,695.977	− 152.06	
530	5	44.08	80	33.06	22.35	978,107.804	28.82	
531	5	44.16	78	38.89	423.86	977,851.463	− 148.92	
532	5	44.36	77	28.81	1074.66	977,720.120	− 152.52	
533	5	44.36	80	43.82	3.36	978,122.392	39.60	
534	5	44.46	79	52.21	135.64	977,980.528	− 76.40	
535	5	44.52	78	39.58	417.69	977,854.053	− 147.65	
536	5	44.54	78	40.05	420.51	977,854.861	− 146.29	
537	5	44.60	78	40.98	424.85	977,855.834	− 144.49	
538	5	44.78	77	27.94	1114.08	977,718.195	− 146.82	
539	5	44.94	80	32.86	17.37	978,108.690	28.47	
540	5	45.02	79	51.64	123.25	977,981.949	− 77.58	
541	5	45.07	78	41.28	434.68	977,853.131	− 145.41	Corral-Quemado
542	5	45.10	77	27.54	1041.51	977,730.818	− 148.56	
543	5	45.22	77	53.50	1693.40	977,584.412	− 166.57	Balsa-Pte.
544	5	45.37	77	27.20	966.74	977,746.242	− 147.93	
545	5	45.68	77	26.83	962.63	977,749.019	− 146.05	
546	5	45.73	80	43.45	4.34	978,123.023	40.02	
547	5	45.75	77	54.33	1843.25	977,558.471	− 163.09	
548	5	45.98	77	26.43	938.70	977,751.042	− 148.82	
549	5	46.05	79	50.99	118.87	977,980.697	− 79.99	
550	5	46.06	80	32.72	11.77	978,110.008	28.36	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
551	5	46.30	77	26.02	955.06	977,748.461	− 148.28	Rio-Seco-Pte.
552	5	46.65	77	25.58	1018.67	977,735.385	− 148.96	
553	5	46.83	80	32.64	7.00	978,111.318	28.50	
554	5	46.96	79	50.48	120.36	977,977.976	− 82.70	
555	5	46.98	77	55.23	2054.96	977,521.867	− 158.22	
556	5	47.00	77	25.16	1046.44	977,730.298	− 148.69	
557	5	47.18	80	43.06	3.18	978,124.288	40.62	
558	5	47.26	77	55.65	2121.98	977,506.937	− 159.98	
559	5	47.47	77	24.55	1059.47	977,727.230	− 149.33	
560	5	47.72	77	56.05	2169.61	977,496.213	− 161.42	
561	5	47.82	77	24.11	1010.53	977,734.305	− 151.99	Peoneros
562	5	47.88	80	32.51	7.46	978,111.886	28.84	
563	5	48.10	79	49.82	120.61	977,972.877	− 88.09	
564	5	48.15	77	23.72	949.02	977,742.990	− 155.50	
565	5	48.26	80	42.79	1.36	978,126.221	41.87	
566	5	48.40	77	23.41	976.28	977,735.284	− 157.92	
567	5	48.61	77	56.55	2259.19	977,476.169	− 164.00	Florida
568	5	48.62	77	23.14	954.96	977,739.382	− 158.08	
569	5	48.74	80	32.43	7.94	978,111.887	28.68	
570	5	48.85	77	22.81	941.08	977,741.527	− 158.73	
571	5	49.02	79	49.29	123.35	977,971.157	− 89.55	
572	5	49.09	77	22.52	921.77	977,745.120	− 159.01	
573	5	49.38	80	42.47	1.31	978,127.767	43.07	
574	5	49.60	77	21.85	891.78	977,750.150	− 160.03	Rio-Tumbaro-Pte.
575	5	49.63	81	0.74	8.32	978,188.209	104.81	Bayobar
576	5	49.91	79	48.76	123.80	977,969.493	− 91.40	
577	5	50.00	78	45.01	475.35	977,827.951	− 164.10	Chamaya-Plaza
578	5	50.10	77	57.53	2346.34	977,455.898	− 167.47	Pomacocha-Paso
579	5	50.30	80	59.79	9.61	978,190.424	107.07	
580	5	50.48	80	42.11	1.62	978,128.384	43.41	
581	5	50.64	80	32.21	7.45	978,111.996	28.11	
582	5	50.96	80	58.85	12.34	978,181.720	98.70	
583	5	51.09	77	20.91	880.13	977,755.641	− 157.28	Rio-Naranjillo-Pte.
584	5	51.18	79	48.05	120.22	977,971.721	− 90.26	
585	5	51.36	81	0.75	24.85	978,203.989	123.29	
586	5	51.46	80	32.16	11.62	978,111.939	28.63	
587	5	51.49	77	57.57	2169.40	977,486.043	− 172.78	
588	5	51.55	80	41.91	3.66	978,129.425	44.53	
589	5	51.56	80	57.85	8.50	978,176.764	92.81	
590	5	51.60	81	0.47	32.58	978,204.087	124.83	
591	5	51.82	77	57.60	2110.52	977,499.454	− 171.11	
592	5	51.87	80	56.44	5.10	978,171.134	86.42	
593	5	51.89	77	20.50	871.77	977,757.035	− 157.77	
594	5	51.98	80	59.82	47.53	978,199.220	122.77	
595	5	52.03	79	47.57	119.49	977,972.838	− 89.55	
596	5	52.09	77	57.52	2047.01	977,512.956	− 170.25	
597	5	52.32	80	58.93	45.05	978,185.513	108.48	
598	5	52.37	77	20.25	859.94	977,760.090	− 157.19	La-Fortalesa
599	5	52.39	80	32.09	11.96	978,113.321	29.79	
600	5	52.52	80	58.05	23.92	978,183.130	101.90	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
601	5	52.62	80	55.51	1.30	978,167.316	81.63	
602	5	52.68	80	41.84	1.44	978,132.364	46.69	
603	5	52.75	80	57.27	30.41	978,178.749	98.72	
604	5	52.78	77	57.91	1873.07	977,549.701	− 168.10	
605	5	52.87	77	20.00	850.19	977,765.377	− 153.97	
606	5	53.04	80	56.23	25.48	978,173.830	92.74	
607	5	53.08	77	57.90	1814.53	977,558.956	− 170.50	
608	5	53.12	79	46.96	123.89	977,974.460	− 87.39	
609	5	53.20	76	6.47	149.55	978,013.205	− 43.65	Yrimagus-Plaza
610	5	53.25	80	55.40	23.47	978,167.974	86.43	
611	5	53.32	80	54.65	1.30	978,159.642	73.74	
612	5	53.34	80	32.02	10.22	978,115.119	30.96	
613	5	53.35	77	19.75	836.79	977,768.174	− 153.95	
614	5	53.38	77	57.78	1748.97	977,573.967	− 168.52	
615	5	53.48	80	54.77	19.74	978,164.362	82.02	
616	5	53.71	80	54.02	15.63	978,162.349	79.13	
617	5	53.74	76	6.82	160.14	978,010.386	− 44.56	colegio
618	5	53.75	80	42.00	1.00	978,135.843	49.75	
619	5	53.81	79	46.64	126.31	977,977.026	− 84.56	
620	5	53.84	77	19.50	846.08	977,765.183	− 155.27	
621	5	53.94	80	53.04	11.31	978,162.243	78.11	
622	5	53.97	77	57.27	1568.09	977,608.725	− 169.64	
623	5	54.04	80	53.85	0.20	978,155.056	68.72	
624	5	54.25	80	31.96	7.79	978,117.323	32.41	
625	5	54.27	80	52.03	8.27	978,162.161	77.33	
626	5	54.35	77	19.24	853.43	977,766.372	− 152.79	
627	5	54.48	80	51.30	54.73	978,149.875	74.07	
628	5	54.78	80	50.22	56.04	978,147.243	71.60	
629	5	54.79	77	56.96	1394.52	977,640.246	− 172.59	Suyubamba-Pte.
630	5	54.80	77	19.00	858.15	977,770.112	− 148.26	
631	5	54.83	80	53.04	1.80	978,150.290	64.02	
632	5	55.00	77	59.92	1255.58	977,646.299	− 193.97	
633	5	55.05	79	45.95	154.01	977,975.450	− 81.10	
634	5	55.07	77	59.21	1273.90	977,657.560	− 179.12	
635	5	55.07	80	43.76	3.80	978,135.501	49.55	
636	5	55.10	80	31.85	7.90	978,120.052	34.89	
637	5	55.13	80	49.23	47.52	978,147.211	69.79	
638	5	55.17	76	8.81	155.70	978,009.752	− 46.51	
639	5	55.20	77	58.45	1284.66	977,659.426	− 175.17	Pte.
640	5	55.23	80	42.72	2.10	978,137.255	50.92	
641	5	55.25	80	44.90	4.40	978,135.037	49.15	
642	5	55.28	77	18.77	861.32	977,773.152	− 144.75	
643	5	55.35	80	41.73	1.45	978,136.633	50.13	
644	5	55.47	80	48.13	45.18	978,145.935	67.96	
645	5	55.48	80	52.17	11.70	978,144.122	59.59	
646	5	55.49	77	57.48	1295.07	977,657.151	− 175.49	Rio-Jazan-Perdor-Ruiz
647	5	55.62	76	9.01	153.21	978,010.100	− 46.78	
648	5	55.63	80	45.95	1.30	978,138.427	51.81	
649	5	55.66	79	45.58	142.49	977,978.732	− 80.26	
650	5	55.72	80	47.13	40.10	978,145.240	66.19	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
651	5	55.74	77	58.03	1288.40	977,658.085	− 175.94	Colmada
652	5	55.76	77	18.54	867.57	977,773.158	− 143.66	Nuevo-Cajamarca
653	5	55.78	80	31.84	11.08	978,122.502	37.76	
654	5	56.03	80	46.03	30.86	978,144.035	63.08	
655	5	56.13	77	57.84	1294.03	977,655.083	− 177.96	roca
656	5	56.20	80	51.34	11.60	978,145.034	60.26	
657	5	56.27	80	46.82	1.00	978,142.172	55.30	
658	5	56.30	79	45.42	147.97	977,978.493	− 79.63	
659	5	56.35	80	44.88	33.70	978,139.772	59.27	
660	5	56.54	77	18.13	853.89	977,775.620	− 144.13	
661	5	56.67	80	31.74	14.65	978,125.635	41.31	
662	5	56.67	80	43.75	35.64	978,135.936	55.72	
663	5	56.87	80	47.73	1.70	978,146.261	59.34	
664	5	56.88	77	58.01	1301.83	977,651.968	− 179.77	
665	5	56.91	80	50.41	9.80	978,146.539	61.19	
666	5	56.97	79	45.28	163.07	977,975.228	− 80.14	
667	5	57.02	80	42.67	30.86	978,134.594	53.34	
668	5	57.06	76	9.62	158.46	978,007.541	− 48.76	
669	5	57.28	80	41.68	28.84	978,133.558	51.82	
670	5	57.32	77	17.75	847.21	977,774.743	− 146.56	
671	5	57.42	80	48.56	5.50	978,148.578	62.23	
672	5	57.58	80	49.60	7.90	978,150.222	64.30	
673	5	57.59	80	40.61	31.29	978,132.874	51.52	
674	5	57.67	76	10.07	151.60	978,008.664	− 49.17	
675	5	57.70	79	45.05	170.74	977,975.111	− 78.98	
676	5	57.82	80	31.67	18.71	978,129.250	45.37	
677	5	57.89	80	39.54	1.72	978,140.927	53.70	
678	5	58.15	76	10.67	160.30	978,006.667	− 49.61	
679	5	58.23	80	38.48	1.05	978,141.692	54.23	
680	5	58.32	77	17.23	828.00	977,781.527	− 143.86	
681	5	58.45	80	37.63	1.23	978,142.295	54.80	
682	5	58.48	77	57.34	1345.38	977,648.473	− 175.18	Paro-Seco-Fundo
683	5	58.52	76	11.38	177.85	978,002.029	− 50.93	
684	5	58.60	80	31.61	19.15	978,131.952	47.91	
685	5	58.62	79	44.52	179.75	977,972.682	− 79.93	
686	5	58.62	76	13.05	180.83	978,002.519	− 49.89	
687	5	58.71	80	36.75	1.59	978,143.069	55.56	
688	5	58.99	80	35.89	1.25	978,143.725	56.06	
689	5	59.17	79	44.72	174.43	977,974.831	− 79.00	
690	5	59.19	79	41.90	221.17	977,961.542	− 83.14	Olmos
691	5	59.24	77	57.08	1368.70	977,646.330	− 172.97	
692	5	59.31	79	43.87	184.54	977,972.276	− 79.62	
693	5	59.32	79	43.42	197.84	977,968.625	− 80.67	
694	5	59.39	80	31.57	16.51	978,135.356	50.55	
695	5	59.45	80	34.43	0.49	978,144.088	56.13	
696	5	59.57	77	15.97	825.07	977,780.275	− 146.08	
697	5	59.81	80	33.55	1.29	978,144.239	56.33	
698	5	59.91	79	41.40	282.87	977,949.153	− 83.67	
699	6	0.00	77	56.66	1362.83	977,645.373	− 175.32	
700	6	0.02	77	15.19	817.50	977,777.837	− 150.14	Rio-Romero

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
701	6	0.04	76	14.69	177.58	978,004.171	− 49.31	
702	6	0.13	76	14.00	184.21	978,002.416	− 49.80	
703	6	0.22	80	32.52	1.76	978,144.299	56.35	
704	6	0.30	77	14.59	828.06	977,778.677	− 147.32	
705	6	0.35	80	31.31	4.03	978,141.136	53.59	
706	6	0.35	79	41.29	321.56	977,941.735	− 83.65	
707	6	0.36	77	56.55	1372.35	977,645.696	− 173.23	
708	6	0.43	76	14.45	179.44	978,003.613	− 49.63	
709	6	0.50	76	14.95	183.91	978,003.249	− 49.14	
710	6	0.80	80	31.59	2.87	978,143.342	55.43	
711	6	0.83	77	56.18	1375.90	977,641.176	− 177.20	
712	6	0.84	77	13.65	829.48	977,781.540	− 144.34	
713	6	1.07	76	14.99	172.75	978,005.959	− 48.79	
714	6	1.16	80	31.04	5.35	978,142.283	54.74	Bayobar-Dv.
715	6	1.24	79	40.82	240.48	977,958.545	− 83.00	
716	6	1.32	77	12.81	832.49	977,777.542	− 147.90	Cruce-Yuracyacu
717	6	1.40	77	55.84	1386.78	977,639.664	− 176.75	Mattinas-Arremache
718	6	1.54	80	30.84	4.91	978,142.308	54.56	
719	6	1.68	76	15.21	164.54	978,009.034	− 47.52	
720	6	1.70	77	6.51	821.79	977,771.759	− 155.90	
721	6	1.73	76	58.57	873.84	977,774.999	− 142.45	Moyobamba-Plaza
722	6	1.74	77	11.97	838.09	977,775.159	− 149.31	
723	6	1.82	77	55.34	1405.42	977,635.601	− 177.27	Pte.fierro
724	6	1.91	77	4.38	833.82	977,775.596	− 149.77	
725	6	1.99	77	8.13	814.76	977,768.703	− 160.43	
726	6	2.01	77	3.55	842.78	977,773.609	− 150.03	
727	6	2.10	77	11.23	843.86	977,773.182	− 150.27	
728	6	2.15	76	58.15	882.90	977,773.346	− 142.45	Rioja-Termale
729	6	2.23	77	3.07	818.03	977,783.600	− 144.97	Pte.
730	6	2.27	80	30.64	5.35	978,142.537	54.65	
731	6	2.30	79	40.44	216.14	977,964.237	− 82.41	
732	6	2.39	76	15.38	158.22	978,011.306	− 46.70	
733	6	2.42	77	0.58	891.72	977,762.412	− 151.74	
734	6	2.50	77	2.27	820.24	977,781.434	− 146.78	
735	6	2.53	77	10.50	840.01	977,774.422	− 149.92	
736	6	2.55	76	57.73	845.62	977,783.709	− 139.54	
737	6	2.55	77	8.79	820.78	977,768.476	− 159.65	Rio-Tonchiman
738	6	2.80	76	58.80	868.93	977,772.055	− 146.69	Moyobambap-AP
739	6	2.88	77	9.66	820.30	977,772.421	− 155.91	
740	6	2.89	77	9.79	822.02	977,774.589	− 153.40	
741	6	2.94	76	56.66	823.20	977,791.806	− 135.97	
742	6	3.05	76	15.38	155.54	978,011.525	− 47.22	
743	6	3.12	79	41.16	180.87	977,972.716	− 81.09	
744	6	3.17	77	54.53	1418.93	977,635.387	− 175.24	Pte.fierro
745	6	3.25	77	9.87	841.86	977,769.482	− 154.73	Rioja-Plaza
746	6	3.35	80	30.32	9.27	978,140.331	52.87	
747	6	3.49	76	55.87	814.82	977,795.136	− 134.46	
748	6	3.67	76	15.33	156.66	978,008.795	− 49.92	
749	6	3.67	77	54.09	1425.95	977,624.233	− 185.17	
750	6	3.92	79	41.56	171.48	977,975.030	− 80.87	

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
751	6	4.07	76	55.16	819.59	977,796.840	− 132.00	Panjazapa-Fundo
752	6	4.12	76	14.86	155.70	978,010.089	− 48.96	Rio-Shanusi-Pte.
753	6	4.31	76	54.04	812.83	977,799.400	− 130.84	
754	6	4.68	80	29.90	7.25	978,138.920	50.64	
755	6	4.85	76	53.24	824.94	977,798.996	− 129.04	
756	6	4.92	76	15.04	156.27	978,009.262	− 49.93	
757	6	4.99	79	41.95	165.01	977,977.597	− 79.91	
758	6	5.27	77	53.25	1449.62	977,615.575	− 189.67	
759	6	5.47	80	29.65	7.88	978,137.253	48.85	
760	6	5.68	76	52.48	812.53	977,801.100	− 129.64	
761	6	5.86	77	52.72	1457.13	977,618.039	− 185.91	Timburbamba
762	6	6.10	76	51.45	775.15	977,802.085	− 136.13	Rio-Gera-Pte.
763	6	6.24	80	29.43	6.82	978,135.821	46.97	
764	6	6.33	76	15.97	163.10	978,004.331	− 53.97	
765	6	6.92	76	16.53	162.61	978,002.512	− 56.07	
766	6	7.03	76	50.80	848.46	977,782.597	− 141.51	
767	6	7.08	80	29.18	7.86	978,134.130	45.21	
768	6	7.20	79	42.71	146.52	977,989.000	− 72.82	
769	6	7.46	77	53.06	1498.48	977,597.788	− 198.52	
770	6	7.67	76	16.29	168.09	978,000.613	− 57.14	
771	6	7.90	79	42.52	135.52	977,993.062	− 71.14	
772	6	8.10	80	28.86	11.09	978,129.938	41.33	
773	6	8.11	76	50.50	873.93	977,792.113	− 127.33	
774	6	8.22	77	53.42	1495.07	977,598.987	− 198.24	
775	6	8.51	76	16.14	171.47	977,999.546	− 57.81	
776	6	8.58	79	42.94	128.64	977,997.459	− 68.31	
777	6	8.90	80	28.45	9.78	978,126.236	37.11	
778	6	8.97	79	42.40	131.49	977,997.889	− 67.44	
779	6	8.99	77	53.61	1521.26	977,602.086	− 190.22	
780	6	9.05	79	42.91	129.63	977,999.366	− 66.35	
781	6	9.14	76	50.42	871.88	977,793.199	− 126.98	
782	6	9.32	76	15.82	172.12	977,999.382	− 58.10	
783	6	9.33	79	41.93	132.18	977,997.416	− 67.89	
784	6	9.55	80	28.02	8.67	978,123.299	33.75	
785	6	9.63	77	53.54	1534.93	977,603.440	− 186.38	
786	6	9.67	79	41.76	125.25	977,999.163	− 67.61	
787	6	10.22	76	49.99	818.74	977,803.310	− 127.66	
788	6	10.36	80	27.40	4.04	978,121.350	30.64	
789	6	10.47	77	53.79	1549.54	977,601.043	− 186.16	
790	6	10.48	79	41.73	120.01	977,999.067	− 68.99	
791	6	10.87	80	26.93	2.86	978,119.716	28.61	
792	6	11.02	76	15.68	172.67	977,997.948	− 59.98	
793	6	11.30	77	53.60	1570.47	977,601.667	− 181.68	roca
794	6	11.50	76	49.97	788.81	977,812.975	− 124.28	
795	6	11.67	80	26.02	2.31	978,117.430	25.96	
796	6	11.68	79	41.87	111.74	978,000.265	− 69.80	
797	6	11.88	77	53.46	1598.43	977,598.123	− 179.89	roca
798	6	12.28	80	25.42	1.51	978,116.155	24.33	
799	6	12.50	77	53.70	1634.46	977,594.094	− 177.01	
800	6	12.61	76	49.46	757.00	977,819.609	− 124.25	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
801	6	12.67	77	50.81	2335.26	977,462.213	− 170.43	Chachapoyas-Plaza
802	6	12.93	79	42.24	106.00	978,000.250	− 71.34	
803	6	12.94	80	24.66	1.80	978,114.753	22.77	
804	6	13.00	77	50.00	2439.21	977,441.969	− 170.19	Chachapoyas-AP
805	6	13.03	77	54.19	1684.66	977,585.457	− 175.91	
806	6	13.13	77	50.84	2359.87	977,457.101	− 170.81	
807	6	13.20	77	53.69	1680.59	977,584.476	− 177.76	
808	6	13.37	77	50.94	2352.46	977,459.194	− 170.26	
809	6	13.52	76	16.54	179.43	977,994.416	− 62.99	
810	6	13.57	80	23.89	3.07	978,113.502	21.56	
811	6	13.58	76	48.93	740.10	977,823.469	− 124.03	
812	6	13.81	77	53.31	1711.17	977,578.282	− 178.11	
813	6	13.86	79	42.84	101.27	978,002.848	− 69.97	
814	6	13.90	77	50.80	2205.36	977,484.199	− 174.55	
815	6	14.19	76	48.24	804.02	977,814.791	− 120.35	
816	6	14.21	77	51.75	2108.58	977,504.472	− 173.53	
817	6	14.24	80	23.12	4.42	978,112.474	20.58	
818	6	14.32	76	16.39	187.96	977,993.346	− 62.65	
819	6	14.34	77	51.93	2054.02	977,515.885	− 172.95	
820	6	14.46	77	52.08	1995.86	977,525.912	− 174.46	
821	6	14.47	77	53.11	1749.37	977,571.433	− 177.63	
822	6	14.81	80	22.45	3.55	978,111.803	19.56	
823	6	14.82	76	47.76	781.83	977,820.993	− 118.71	
824	6	14.90	79	43.38	95.01	978,002.878	− 71.51	
825	6	14.97	77	52.62	1813.54	977,560.854	− 175.71	
826	6	15.03	77	52.83	1774.17	977,567.431	− 176.92	
827	6	15.23	76	47.27	814.31	977,816.887	− 116.57	
828	6	15.38	79	43.75	96.08	978,003.718	− 70.61	
829	6	15.43	80	21.69	3.95	978,110.556	18.18	
830	6	16.00	80	20.94	5.50	978,109.490	17.24	
831	6	16.19	77	53.22	1741.09	977,573.373	− 177.89	
832	6	16.23	76	46.51	837.15	977,816.003	− 113.29	
833	6	16.40	79	44.33	89.10	978,004.004	− 72.03	
834	6	16.42	80	20.09	5.66	978,108.114	15.76	
835	6	16.46	77	53.49	1695.31	977,578.930	− 181.46	Compuerta-Hachamaque
836	6	16.52	76	17.21	184.06	977,995.378	− 62.10	
837	6	16.57	76	46.03	873.64	977,809.645	− 112.59	Caserio-Pacaisapa
838	6	16.67	76	45.69	907.22	977,804.307	− 111.36	
839	6	16.68	76	44.69	1007.26	977,785.463	− 110.54	
840	6	16.84	80	19.16	7.38	978,104.977	12.82	
841	6	17.02	79	44.76	85.51	978,004.738	− 72.19	
842	6	17.09	77	54.13	1710.55	977,575.252	− 182.33	
843	6	17.15	76	16.72	184.00	977,996.873	− 60.82	
844	6	17.15	80	18.35	7.07	978,101.184	8.86	
845	6	17.27	77	54.56	1715.90	977,574.681	− 181.91	
846	6	17.45	77	54.95	1725.43	977,573.029	− 181.74	
847	6	17.49	80	17.62	7.16	978,097.665	5.25	
848	6	17.57	77	56.02	1739.67	977,563.597	− 188.39	
849	6	17.96	79	45.19	80.36	978,005.545	− 72.70	
850	6	17.98	77	55.71	1742.49	977,561.952	− 189.62	Casa-de-Tuestas

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
851	6	18.03	80	16.45	8.38	978,092.673	0.32	
852	6	18.07	76	16.66	205.95	977,992.908	− 60.79	
853	6	18.36	76	43.59	1104.05	977,763.243	− 114.27	Campamento-Lejia
854	6	18.38	77	55.53	1747.44	977,558.253	− 192.47	
855	6	18.40	80	15.54	9.02	978,090.953	− 1.40	
856	6	18.84	76	42.74	1139.18	977,753.791	− 116.97	
857	6	18.95	76	16.81	190.66	977,995.864	− 61.12	Pte.
858	6	18.98	77	54.98	1755.35	977,555.244	− 194.12	
859	6	19.10	76	41.23	941.33	977,795.837	− 113.92	
860	6	19.25	80	14.41	8.76	978,091.529	− 1.15	
861	6	19.39	76	17.23	203.81	977,991.949	− 62.60	
862	6	19.48	79	45.68	77.58	978,008.370	− 70.92	
863	6	19.64	76	40.08	795.64	977,834.283	− 104.28	Condor-Pasa-Jundo
864	6	19.93	79	45.71	77.22	978,009.109	− 70.40	
865	6	20.02	76	17.30	212.60	977,988.813	− 64.22	Caynarachi-Pte.
866	6	20.02	77	54.31	1774.88	977,555.760	− 190.09	
867	6	20.05	76	39.61	738.13	977,845.051	− 104.94	
868	6	20.13	80	13.79	8.30	978,091.266	− 1.79	
869	6	20.30	77	54.05	1781.51	977,552.815	− 191.81	Pashul
870	6	20.55	76	17.60	294.10	977,970.057	− 67.19	
871	6	20.58	76	39.94	675.96	977,854.648	− 107.73	
872	6	20.81	79	46.34	72.25	978,012.084	− 68.69	
873	6	20.87	80	13.26	9.25	978,089.711	− 3.41	
874	6	20.96	76	39.68	605.02	977,869.929	− 106.50	
875	6	21.47	76	39.56	510.30	977,886.147	− 109.03	
876	6	21.49	77	53.88	1813.21	977,541.175	− 197.59	
877	6	21.52	80	12.74	8.42	978,089.093	− 4.40	
878	6	21.88	79	47.23	67.10	978,015.132	− 67.00	
879	6	21.90	76	40.15	575.57	977,884.632	− 97.88	Equador-Pte.
880	6	21.93	76	17.48	351.28	977,948.549	− 77.95	
881	6	22.18	79	47.62	65.77	978,016.210	− 66.28	
882	6	22.21	77	53.56	1826.12	977,534.734	− 201.72	Desengano
883	6	22.32	76	17.02	421.33	977,939.291	− 73.61	
884	6	22.51	80	12.05	8.88	978,089.193	− 4.54	
885	6	22.68	79	48.79	64.23	978,018.325	− 64.64	
886	6	23.10	77	53.17	1844.28	977,525.473	− 207.69	
887	6	23.24	79	49.17	60.34	978,019.373	− 64.53	
888	6	23.24	76	37.77	519.72	977,882.520	− 111.39	
889	6	23.27	80	11.49	8.84	978,090.123	− 3.87	
890	6	23.46	77	52.96	1854.72	977,527.067	− 204.15	
891	6	23.73	77	52.59	1868.11	977,526.079	− 202.58	
892	6	23.92	76	16.13	316.76	977,959.082	− 74.85	
893	6	24.07	79	49.45	57.38	978,020.106	− 64.66	
894	6	24.08	80	10.90	9.44	978,088.074	− 6.07	
895	6	24.11	77	52.11	1877.91	977,523.121	− 203.73	Limashuayco
896	6	24.36	76	18.47	576.10	977,905.316	− 77.91	
897	6	24.45	76	15.71	340.09	977,954.974	− 74.56	
898	6	24.57	76	37.02	441.86	977,895.455	− 114.17	
899	6	24.63	76	18.86	641.54	977,892.212	− 78.26	
900	6	24.70	76	36.04	278.17	977,931.816	− 109.93	Mayo-Bolivia-Pte.

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
901	6	24.76	76	18.05	529.76	977,915.019	− 77.43	
902	6	24.79	80	10.40	9.38	978,085.490	− 8.90	
903	6	24.87	79	49.90	54.76	978,021.180	− 64.36	
904	6	24.95	76	15.44	354.72	977,951.351	− 75.48	
905	6	25.08	76	18.90	712.30	977,875.571	− 81.17	
906	6	25.20	76	35.81	278.09	977,930.414	− 111.52	
907	6	25.21	76	17.55	498.98	977,921.149	− 77.49	
908	6	25.45	76	15.33	382.14	977,942.529	− 79.09	
909	6	25.49	79	50.24	52.98	978,022.895	− 63.20	
910	6	25.49	77	51.56	1933.05	977,508.948	− 207.47	
911	6	25.49	76	17.04	479.76	977,923.526	− 78.98	
912	6	25.51	80	9.85	8.71	978,083.479	− 11.28	
913	6	25.58	76	18.56	816.26	977,851.990	− 84.49	
914	6	25.77	76	35.35	296.68	977,927.496	− 110.98	
915	6	25.84	76	15.96	489.74	977,925.783	− 74.88	
916	6	25.86	77	50.79	1952.87	977,507.219	− 205.41	
917	6	25.90	76	15.43	465.45	977,929.421	− 76.02	
918	6	26.06	76	16.63	555.74	977,908.416	− 79.37	
919	6	26.08	76	16.16	546.51	977,909.837	− 79.77	
920	6	26.10	76	18.32	907.21	977,827.955	− 90.83	
921	6	26.12	79	50.78	51.60	978,023.798	− 62.78	
922	6	26.29	80	9.31	7.49	978,081.155	− 14.11	
923	6	26.49	77	50.37	1971.56	977,503.332	− 205.81	Dos-Cruces
924	6	26.50	76	17.97	977.61	977,812.738	− 92.34	
925	6	26.77	79	0.22	2465.70	977,435.506	− 175.94	
926	6	26.85	77	50.02	1992.99	977,498.958	− 206.07	
927	6	26.86	76	33.45	260.95	977,938.278	− 107.57	
928	6	26.90	78	57.07	2323.29	977,453.169	− 186.53	
929	6	26.96	79	51.15	50.80	978,020.758	− 66.26	
930	6	26.98	78	58.18	2337.25	977,449.844	− 187.11	
931	6	26.98	78	59.01	2376.70	977,446.844	− 182.30	
932	6	27.01	78	57.48	2276.13	977,459.935	− 189.13	Huambos-Plaza
933	6	27.04	80	8.47	8.24	978,077.083	− 18.28	
934	6	27.05	76	17.54	1044.79	977,803.692	− 88.36	
935	6	27.14	78	56.53	2430.66	977,431.210	− 187.30	
936	6	27.23	76	32.80	265.00	977,938.247	− 106.93	San-Antonio-de-Rio-Mayo
937	6	27.30	76	17.59	914.20	977,834.782	− 83.03	
938	6	27.33	77	49.83	2002.22	977,497.977	− 205.38	
939	6	27.38	79	0.71	2537.03	977,412.788	− 184.72	
940	6	27.43	76	17.25	991.84	977,817.737	− 84.86	
941	6	27.47	76	18.37	756.08	977,859.664	− 89.28	
942	6	27.56	78	56.09	2366.50	977,445.089	− 186.27	
943	6	27.69	80	7.42	10.13	978,071.269	− 23.95	
944	6	27.71	79	2.83	2757.56	977,369.437	− 184.44	
945	6	27.75	76	26.35	276.47	977,954.418	− 88.68	Misquiyacu-Fundo
946	6	27.78	76	18.37	805.15	977,854.013	− 85.39	
947	6	27.84	76	25.43	271.25	977,957.343	− 86.81	
948	6	27.92	79	2.22	2721.67	977,376.533	− 184.54	
949	6	27.93	76	19.54	603.58	977,896.895	− 82.14	
950	6	27.95	76	19.10	686.04	977,881.492	− 81.36	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
951	6	27.99	76	18.65	770.35	977,861.792	− 84.52	
952	6	28.00	76	31.95	250.29	977,943.433	− 104.88	
953	6	28.02	78	55.63	2302.14	977,454.595	− 189.66	
954	6	28.10	76	24.76	282.69	977,956.624	− 85.38	Distrito-de-Morales
955	6	28.11	76	27.12	280.58	977,951.996	− 90.42	
956	6	28.17	80	6.76	10.85	978,066.968	− 28.27	
957	6	28.17	77	49.23	2027.88	977,494.646	− 203.93	
958	6	28.23	79	2.63	2819.40	977,357.621	− 184.16	
959	6	28.26	78	53.00	1666.59	977,564.265	− 205.70	Cochabamba-Plaza
960	6	28.29	79	51.16	51.00	978,018.448	− 68.97	
961	6	28.39	76	30.40	310.62	977,937.610	− 99.02	
962	6	28.41	76	27.81	290.26	977,948.677	− 91.94	
963	6	28.41	76	23.85	317.63	977,950.661	− 84.60	el-cruce
964	6	28.46	76	31.36	257.00	977,945.780	− 101.37	Maceda
965	6	28.47	76	19.53	524.65	977,912.866	− 81.83	
966	6	28.48	76	30.00	284.74	977,944.132	− 97.59	
967	6	28.55	78	55.34	2235.58	977,466.233	− 191.38	
968	6	28.60	78	52.69	1704.44	977,555.964	− 206.64	
969	6	28.60	78	53.42	1712.28	977,556.879	− 204.18	
970	6	28.66	79	2.70	2867.69	977,347.469	− 184.86	
971	6	28.66	78	51.99	1713.88	977,551.824	− 208.94	
972	6	28.84	80	5.78	11.27	978,063.167	− 32.21	
973	6	28.88	76	28.59	291.33	977,947.558	− 93.01	Nueva-Luz
974	6	28.90	79	3.04	2852.53	977,352.811	− 182.61	
975	6	28.96	79	51.34	46.62	978,018.736	− 69.77	
976	6	28.97	76	22.14	332.57	977,948.833	− 83.69	Tarapoto-Plaza
977	6	28.99	77	48.68	2058.77	977,491.560	− 201.18	
978	6	29.01	76	19.67	480.03	977,921.385	− 82.24	
979	6	29.04	78	53.78	1895.56	977,523.912	− 201.10	
980	6	29.14	76	20.04	403.86	977,935.445	− 83.16	
981	6	29.16	78	54.46	2013.39	977,504.208	− 197.56	
982	6	29.37	77	48.33	2063.86	977,488.555	− 203.31	
983	6	29.39	76	21.39	305.53	977,954.445	− 83.52	Shilcayo-Pte.
984	6	29.40	76	20.49	347.58	977,946.154	− 83.57	
985	6	29.40	78	55.08	2156.77	977,480.559	− 192.94	
986	6	29.51	78	54.85	2086.23	977,493.649	− 193.83	
987	6	29.52	80	4.79	12.66	978,059.617	− 35.72	
988	6	29.55	79	8.95	1234.28	977,694.799	− 160.81	
989	6	29.56	79	51.34	45.05	978,019.910	− 69.11	
990	6	29.59	78	49.81	1806.05	977,524.472	− 218.41	
991	6	29.60	79	9.30	1093.59	977,720.381	− 162.94	
992	6	29.65	79	8.21	1554.79	977,633.230	− 159.26	
993	6	29.67	79	3.01	2779.64	977,367.277	− 182.88	
994	6	29.95	79	7.58	1830.92	977,575.593	− 162.50	
995	6	29.95	79	3.49	2744.69	977,378.523	− 178.66	
996	6	29.96	79	7.99	1733.93	977,596.417	− 160.83	
997	6	30.01	79	9.48	858.70	977,772.924	− 156.71	
998	6	30.03	80	3.95	13.68	978,057.122	− 38.19	
999	6	30.08	78	48.42	1887.12	977,503.367	− 223.67	
1000	6	30.10	76	21.10	304.42	977,954.102	− 84.32	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1001	6	30.19	79	7.34	1968.46	977,549.534	− 161.47	
1002	6	30.33	79	8.08	1643.78	977,616.458	− 158.71	
1003	6	30.37	79	51.41	42.41	978,021.338	− 68.47	
1004	6	30.45	79	7.60	1903.19	977,563.113	− 160.87	
1005	6	30.46	79	7.01	2029.04	977,536.803	− 162.31	
1006	6	30.52	80	3.22	15.54	978,053.984	− 41.13	
1007	6	30.69	79	7.01	2094.78	977,522.928	− 163.26	Llama-Plaza
1008	6	30.72	76	20.69	300.78	977,954.212	− 85.13	
1009	6	30.76	79	51.56	42.83	978,020.993	− 68.86	
1010	6	30.78	79	11.47	791.96	977,785.988	− 157.02	
1011	6	30.87	79	3.64	2627.73	977,405.014	− 175.69	
1012	6	31.03	80	2.56	17.27	978,050.226	− 44.72	
1013	6	31.12	79	3.91	2597.68	977,410.036	− 176.71	
1014	6	31.15	79	7.57	2137.38	977,513.836	− 164.09	
1015	6	31.27	77	47.82	2203.33	977,459.818	− 205.10	Leymebamba
1016	6	31.43	79	51.74	40.13	978,021.860	− 68.75	
1017	6	31.47	79	11.71	679.97	977,810.069	− 155.16	
1018	6	31.55	79	6.24	2463.25	977,443.895	− 169.64	
1019	6	31.55	76	20.65	277.46	977,957.716	− 86.47	
1020	6	31.65	78	47.52	1984.90	977,481.146	− 227.10	
1021	6	31.70	79	4.66	2513.59	977,421.338	− 182.27	
1022	6	31.75	80	1.57	17.51	978,046.272	− 48.87	
1023	6	31.90	77	47.14	2298.42	977,440.907	− 205.40	
1024	6	32.05	79	6.64	2401.52	977,458.639	− 167.30	
1025	6	32.07	79	11.93	627.86	977,824.364	− 151.30	
1026	6	32.10	79	7.12	2346.43	977,470.278	− 166.59	
1027	6	32.18	78	47.06	2029.21	977,471.117	− 228.55	
1028	6	32.28	80	0.74	16.62	978,045.087	− 50.41	Morrope-Plaza
1029	6	32.34	78	41.93	2267.01	977,406.976	− 245.70	
1030	6	32.37	77	47.38	2396.78	977,426.072	− 200.91	
1031	6	32.47	76	20.83	252.01	977,962.737	− 86.75	Crucero-Fundo
1032	6	32.59	79	12.50	587.00	977,834.912	− 148.94	
1033	6	32.60	79	51.76	35.68	978,024.113	− 67.77	
1034	6	32.87	78	45.79	2058.46	977,453.259	− 240.85	
1035	6	32.90	78	43.49	2164.37	977,420.944	− 252.23	
1036	6	33.02	77	48.12	2543.66	977,395.557	− 202.54	
1037	6	33.06	80	0.26	17.29	978,045.403	− 50.23	
1038	6	33.15	78	38.19	2464.96	977,367.534	− 246.21	
1039	6	33.22	76	20.30	241.47	977,963.648	− 88.16	
1040	6	33.22	78	44.51	2136.21	977,441.979	− 236.88	
1041	6	33.29	78	37.50	2609.21	977,340.296	− 244.90	
1042	6	33.43	77	47.99	2643.67	977,375.683	− 202.72	
1043	6	33.51	78	38.93	2388.38	977,380.279	− 248.76	Chota-Plaza
1044	6	33.51	78	44.04	2134.41	977,438.423	− 240.89	Lajas-Plaza
1045	6	33.70	79	52.11	35.16	978,025.255	− 67.10	
1046	6	33.81	77	47.96	2727.01	977,361.683	− 200.32	
1047	6	33.85	79	13.83	557.43	977,861.424	− 128.66	
1048	6	33.90	79	59.79	17.27	978,045.376	− 50.55	
1049	6	33.90	76	20.10	220.42	977,966.935	− 89.23	
1050	6	34.14	78	37.07	2744.95	977,311.840	− 246.72	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1051	6	34.28	78	36.38	2831.78	977,295.126	− 246.24	
1052	6	34.48	76	19.78	214.68	977,968.098	− 89.39	Pucayacu-Pte.
1053	6	34.58	79	59.32	17.36	978,050.043	− 46.09	
1054	6	34.59	77	47.87	2813.19	977,345.178	− 199.99	
1055	6	34.59	79	14.05	503.41	977,878.431	− 122.51	
1056	6	34.93	79	52.46	30.58	978,028.836	− 64.83	
1057	6	34.96	77	47.84	2913.46	977,324.546	− 200.84	
1058	6	34.97	79	14.34	497.49	977,882.608	− 119.62	
1059	6	35.16	76	19.32	220.95	977,962.338	− 94.15	
1060	6	35.28	79	58.84	16.92	978,050.287	− 46.17	
1061	6	35.30	77	47.78	2991.59	977,308.248	− 201.73	
1062	6	35.31	78	35.51	2989.57	977,261.352	− 249.03	
1063	6	35.34	79	14.41	417.99	977,900.290	− 117.65	
1064	6	35.36	76	18.31	229.09	977,958.521	− 96.44	Rio-Mayo
1065	6	35.40	79	52.55	28.96	978,034.119	− 60.03	
1066	6	35.62	77	47.70	3062.05	977,291.947	− 204.13	
1067	6	35.82	78	35.16	3071.45	977,243.281	− 251.00	
1068	6	35.87	79	14.70	379.74	977,911.010	− 114.61	Cruz-Pte.
1069	6	35.98	77	47.64	3155.26	977,269.504	− 208.17	
1070	6	36.03	79	58.39	16.69	978,049.687	− 47.08	
1071	6	36.18	79	15.41	367.57	977,917.122	− 110.99	
1072	6	36.27	76	18.61	205.46	977,967.367	− 92.53	Colombia-Pte.
1073	6	36.33	77	47.48	3222.28	977,256.345	− 208.12	
1074	6	36.45	78	34.85	3072.69	977,243.161	− 251.09	
1075	6	36.66	79	52.92	25.76	978,038.146	− 57.06	
1076	6	36.70	79	17.09	342.07	977,930.656	− 102.63	
1077	6	36.75	79	57.89	16.83	978,049.160	− 47.82	
1078	6	36.88	79	17.43	343.76	977,931.818	− 101.20	
1079	6	36.89	76	19.20	210.88	977,963.858	− 95.20	
1080	6	36.97	78	34.76	3195.08	977,218.920	− 251.17	
1081	6	37.02	77	47.50	3312.96	977,237.098	− 209.55	
1082	6	37.29	79	18.14	303.48	977,940.044	− 101.01	
1083	6	37.32	79	19.62	276.97	977,955.462	− 90.80	
1084	6	37.48	79	57.47	16.40	978,049.111	− 48.21	
1085	6	37.56	79	20.47	261.42	977,962.792	− 86.59	
1086	6	37.59	76	19.27	206.61	977,961.383	− 98.75	
1087	6	37.63	78	33.68	3075.86	977,240.524	− 253.50	
1088	6	37.74	77	47.47	3444.67	977,211.839	− 208.84	
1089	6	37.76	79	23.86	207.31	977,985.229	− 74.82	
1090	6	37.81	79	24.45	218.71	977,984.710	− 73.13	
1091	6	37.96	79	53.32	22.88	978,040.298	− 55.92	
1092	6	38.07	79	23.39	208.83	977,985.525	− 74.34	escuela
1093	6	38.08	77	47.64	3525.86	977,198.345	− 206.27	
1094	6	38.16	79	57.03	16.86	978,049.464	− 48.00	
1095	6	38.16	78	33.19	3011.01	977,252.114	− 254.99	
1096	6	38.37	79	22.88	208.79	977,986.134	− 73.84	Chongoyape-Plaza
1097	6	38.39	76	19.42	224.51	977,956.109	− 100.79	
1098	6	38.41	79	25.74	173.39	978,000.027	− 66.89	
1099	6	38.46	77	47.91	3583.98	977,181.304	− 211.86	Paso
1100	6	38.49	79	21.81	225.93	977,976.057	− 80.60	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1101	6	38.54	79	22.46	235.17	977,978.586	− 76.28	
1102	6	38.67	79	26.77	166.45	978,004.789	− 63.58	
1103	6	38.67	77	48.20	3519.26	977,194.351	− 211.78	
1104	6	38.89	79	56.54	15.02	978,051.139	− 46.94	
1105	6	38.95	77	48.51	3478.71	977,205.381	− 208.93	
1106	6	39.03	79	27.81	160.89	978,006.601	− 62.98	
1107	6	39.25	76	19.51	224.95	977,954.577	− 102.53	
1108	6	39.34	79	55.97	14.66	978,052.243	− 46.06	
1109	6	39.38	77	49.39	3369.28	977,221.591	− 214.66	
1110	6	39.40	79	53.69	19.51	978,045.597	− 51.78	
1111	6	39.58	78	32.06	2661.05	977,315.321	− 261.75	
1112	6	39.93	79	55.36	16.97	978,051.520	− 46.53	
1113	6	40.15	78	31.55	2527.95	977,334.830	− 268.83	
1114	6	40.43	77	51.17	3114.52	977,270.756	− 216.55	
1115	6	40.45	78	31.63	2612.26	977,318.922	− 268.13	
1116	6	40.54	79	54.67	16.83	978,052.328	− 45.96	
1117	6	40.55	78	31.07	2526.47	977,335.336	− 268.76	Bambamarca-Plaza
1118	6	40.59	79	53.99	16.49	978,052.780	− 45.60	
1119	6	40.68	77	51.47	3051.16	977,277.980	− 222.01	
1120	6	40.70	76	19.04	242.20	977,948.729	− 105.51	
1121	6	40.82	78	31.30	2539.69	977,331.829	− 269.74	
1122	6	40.94	78	31.99	2761.82	977,292.247	− 265.30	
1123	6	41.33	78	32.38	2839.11	977,277.373	− 264.97	
1124	6	41.33	76	18.48	259.50	977,944.811	− 106.26	
1125	6	41.35	77	52.69	2882.46	977,305.106	− 228.63	
1126	6	41.54	79	54.08	17.11	978,054.470	− 44.11	Rio-Lambayeque
1127	6	41.72	76	17.83	282.10	977,940.064	− 106.71	
1128	6	41.82	77	53.37	2772.92	977,317.000	− 238.65	Chanchillo
1129	6	42.03	79	54.26	16.48	978,054.749	− 44.13	
1130	6	42.08	78	32.46	2917.71	977,260.065	− 266.93	
1131	6	42.21	76	17.13	323.37	977,931.394	− 107.47	
1132	6	42.49	77	53.94	2653.39	977,338.392	− 241.21	
1133	6	42.58	78	32.90	2989.67	977,245.932	− 266.94	
1134	6	42.71	79	53.75	15.67	978,054.477	− 44.80	
1135	6	42.94	77	54.07	2592.44	977,349.343	− 242.50	
1136	6	42.95	76	17.32	410.75	977,910.717	− 111.28	
1137	6	43.15	79	53.39	18.46	978,054.561	− 44.32	
1138	6	43.27	77	54.31	2533.06	977,368.652	− 235.08	
1139	6	43.33	78	33.79	3047.82	977,233.960	− 267.62	
1140	6	43.44	79	35.84	107.64	978,018.636	− 62.90	
1141	6	43.51	79	34.18	107.70	978,017.651	− 63.90	
1142	6	43.69	79	36.93	104.40	978,018.604	− 63.65	
1143	6	43.70	79	33.52	113.88	978,015.660	− 64.74	
1144	6	43.80	77	55.39	2313.16	977,411.101	− 236.39	Saullamuro
1145	6	43.82	79	38.92	77.40	978,022.576	− 65.01	
1146	6	43.84	79	32.91	120.19	978,015.185	− 64.03	
1147	6	43.92	79	32.27	125.12	978,015.659	− 62.62	
1148	6	43.92	79	39.65	68.79	978,025.341	− 63.96	
1149	6	44.00	77	56.93	2080.01	977,455.759	− 237.93	
1150	6	44.03	79	37.72	97.73	978,020.991	− 62.69	Rio-Tanamen

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1151	6	44.04	79	52.72	20.48	978,055.377	− 43.42	
1152	6	44.10	79	38.21	88.20	978,022.972	− 62.60	
1153	6	44.15	77	57.22	1997.59	977,465.242	− 244.80	
1154	6	44.17	78	34.72	3132.40	977,211.617	− 273.44	
1155	6	44.25	77	57.61	1925.33	977,478.783	− 245.58	
1156	6	44.29	79	40.49	64.17	978,029.532	− 60.81	
1157	6	44.32	79	30.93	124.47	978,019.679	− 58.87	
1158	6	44.38	79	29.86	125.55	978,019.865	− 58.49	
1159	6	44.42	79	31.55	121.47	978,019.058	− 60.11	
1160	6	44.51	79	41.30	59.69	978,033.403	− 57.89	
1161	6	44.54	79	52.24	21.90	978,055.455	− 43.24	
1162	6	44.55	77	57.91	1812.86	977,497.190	− 249.49	
1163	6	44.55	78	35.28	3139.71	977,211.755	− 271.98	
1164	6	44.70	79	41.35	57.55	978,034.090	− 57.69	
1165	6	44.95	77	58.04	1729.11	977,516.558	− 246.80	
1166	6	44.97	79	43.34	54.45	978,038.810	− 53.67	
1167	6	45.05	78	34.96	3204.42	977,197.774	− 273.27	Minas-Colqo
1168	6	45.11	78	35.30	3469.02	977,141.702	− 276.68	
1169	6	45.20	78	34.81	3301.45	977,179.653	− 272.13	
1170	6	45.24	79	51.64	25.47	978,054.758	− 43.48	
1171	6	45.36	78	34.67	3378.07	977,163.983	− 272.61	
1172	6	45.37	77	58.20	1680.52	977,521.854	− 251.24	
1173	6	45.47	76	17.72	216.44	977,944.241	− 116.70	Sauce-Rio-Huallaga
1174	6	45.64	78	36.40	3502.48	977,142.992	− 268.92	Hualgayoc-Plaza
1175	6	45.71	77	58.23	1616.23	977,531.923	− 253.98	
1176	6	45.94	79	56.72	10.04	978,055.308	− 46.20	
1177	6	45.95	79	54.29	17.02	978,056.129	− 44.02	
1178	6	45.99	79	51.23	25.84	978,055.696	− 42.73	
1179	6	46.00	78	36.38	3545.52	977,135.066	− 268.39	
1180	6	46.06	77	58.32	1560.04	977,541.935	− 255.17	
1181	6	46.10	79	50.53	27.12	978,051.730	− 46.49	
1182	6	46.10	79	50.06	28.61	978,051.117	− 46.81	Chiclayo-Plaza
1183	6	46.19	78	37.95	3940.69	977,058.940	− 265.75	
1184	6	46.23	79	55.67	13.35	978,055.643	− 45.32	
1185	6	46.23	79	53.39	19.73	978,057.954	− 41.76	
1186	6	46.36	78	36.98	3657.99	977,114.332	− 266.83	
1187	6	46.36	79	49.62	32.91	978,049.640	− 47.54	
1188	6	46.37	77	58.17	1502.51	977,560.445	− 248.11	
1189	6	46.40	79	52.11	26.45	978,058.240	− 40.22	
1190	6	46.40	79	49.95	27.90	978,050.396	− 47.78	
1191	6	46.50	78	38.51	3918.50	977,064.741	− 264.49	
1192	6	46.59	78	39.48	3825.60	977,087.770	− 260.04	
1193	6	46.78	78	37.35	3764.14	977,092.975	− 267.17	
1194	6	46.81	77	58.15	1439.87	977,570.913	− 250.15	
1195	6	47.20	77	58.13	1370.31	977,584.613	− 250.29	
1196	6	47.24	78	39.89	3764.47	977,099.053	− 261.18	
1197	6	47.43	77	58.16	1281.73	977,601.378	− 251.06	
1198	6	47.69	78	40.45	3735.09	977,104.463	− 261.79	
1199	6	47.79	79	49.69	28.02	978,049.858	− 48.78	
1200	6	47.89	77	58.18	1194.62	977,614.458	− 255.29	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1201	6	47.99	78	40.33	3710.32	977,107.959	− 263.35	
1202	6	48.22	76	20.10	214.51	977,943.360	− 118.93	Buenos-Aires
1203	6	48.25	77	58.30	1100.64	977,632.442	− 255.93	
1204	6	48.54	77	58.52	1050.59	977,640.394	− 257.93	
1205	6	48.59	78	40.29	3702.03	977,104.393	− 268.78	
1206	6	48.85	77	58.87	993.73	977,649.917	− 259.69	
1207	6	48.95	76	20.45	214.38	977,942.716	− 119.86	
1208	6	49.18	77	59.06	904.91	977,664.773	− 262.42	
1209	6	49.36	79	49.62	25.35	978,050.692	− 49.03	
1210	6	49.37	78	40.26	3682.96	977,108.135	− 269.11	
1211	6	49.57	76	20.38	210.82	977,943.309	− 120.18	
1212	6	49.91	78	40.50	3614.38	977,122.431	− 268.68	Pedernal
1213	6	49.98	79	49.60	24.13	978,051.742	− 48.43	
1214	6	50.25	78	40.10	3551.61	977,133.487	− 270.26	
1215	6	50.83	78	40.18	3578.61	977,126.802	− 271.77	
1216	6	50.99	76	20.58	216.92	977,941.148	− 121.66	Pucacaca
1217	6	51.00	78	1.00	853.77	977,664.984	− 272.90	Balsas-Plaza
1218	6	51.00	78	5.00	1369.96	977,568.674	− 267.65	
1219	6	51.00	78	6.00	1985.77	977,452.893	− 261.90	Casa-de-Damaso-Zegarra
1220	6	51.00	78	7.00	2766.67	977,298.662	− 261.46	
1221	6	51.00	78	7.99	2977.04	977,259.028	− 259.32	Celendin-East
1222	6	51.01	79	49.42	20.32	978,055.049	− 46.24	
1223	6	51.45	78	40.53	3635.08	977,119.189	− 268.34	
1224	6	51.71	79	48.93	21.42	978,057.035	− 44.29	
1225	6	51.78	78	40.53	3638.43	977,118.411	− 268.57	
1226	6	52.00	78	8.99	2619.66	977,325.109	− 264.54	Celendin
1227	6	52.18	76	20.73	221.86	977,939.478	− 122.78	Pobre-Alegre
1228	6	52.34	78	8.96	2626.09	977,324.913	− 263.58	
1229	6	52.39	79	48.87	23.60	978,059.934	− 41.20	
1230	6	52.42	78	40.49	3654.86	977,114.697	− 269.24	
1231	6	52.79	78	8.60	2716.47	977,309.016	− 261.71	
1232	6	52.87	79	48.42	23.58	978,062.027	− 39.29	
1233	6	53.02	78	39.24	3740.12	977,096.203	− 270.94	
1234	6	53.04	78	37.95	3755.27	977,093.373	− 270.76	
1235	6	53.07	78	40.10	3680.88	977,107.414	− 271.56	
1236	6	53.09	78	38.62	3775.77	977,090.767	− 269.29	
1237	6	53.30	78	37.42	3794.31	977,086.008	− 270.43	
1238	6	53.30	78	8.85	2768.44	977,298.763	− 261.83	
1239	6	53.65	79	47.21	52.86	978,055.274	− 40.59	
1240	6	53.83	78	37.89	3871.50	977,066.615	− 274.60	
1241	6	53.90	78	9.79	2744.20	977,304.013	− 261.61	
1242	6	53.93	78	10.19	2776.18	977,296.924	− 262.36	
1243	6	54.03	78	9.20	2770.58	977,298.154	− 262.27	
1244	6	54.13	76	20.10	214.14	977,942.628	− 121.84	
1245	6	54.19	78	9.98	2863.21	977,280.758	− 261.34	
1246	6	54.30	79	46.14	66.87	978,054.993	− 38.36	
1247	6	54.35	78	37.15	3914.53	977,058.970	− 273.84	
1248	6	54.47	78	10.45	2954.19	977,261.781	− 262.35	
1249	6	54.84	78	11.22	3056.72	977,239.647	− 264.24	
1250	6	54.94	78	36.60	3900.87	977,061.337	− 274.42	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1251	6	55.02	79	44.99	59.93	978,058.994	− 35.98	
1252	6	55.13	76	19.83	222.55	977,941.280	− 121.90	Picota
1253	6	55.31	78	11.36	3071.43	977,233.486	− 267.64	
1254	6	55.36	76	21.89	235.67	977,933.291	− 127.40	
1255	6	55.73	78	10.90	3091.75	977,232.643	− 264.60	
1256	6	55.75	79	43.81	66.09	978,060.601	− 33.43	
1257	6	55.84	78	36.43	3844.62	977,071.618	− 275.69	
1258	6	56.27	76	24.57	233.14	977,928.742	− 132.78	Ramal-a-Florida
1259	6	56.29	78	11.40	3156.00	977,216.016	− 268.65	Yerba-Buena
1260	6	56.39	78	35.69	3753.91	977,084.910	− 280.69	
1261	6	56.46	79	42.64	75.88	978,064.420	− 27.95	
1262	6	56.75	78	35.08	3678.38	977,095.951	− 284.85	
1263	6	56.99	78	11.23	3201.41	977,211.852	− 264.04	
1264	6	57.05	78	34.70	3617.80	977,110.973	− 282.01	
1265	6	57.16	79	41.55	68.72	978,072.416	− 21.61	
1266	6	57.38	78	10.78	3250.31	977,202.006	− 264.29	
1267	6	57.67	78	34.52	3523.19	977,127.396	− 284.67	
1268	6	57.82	78	33.97	3457.75	977,143.423	− 281.74	
1269	6	58.06	79	40.42	64.92	978,070.662	− 24.43	
1270	6	58.06	78	11.15	3292.13	977,195.106	− 263.12	
1271	6	58.42	79	39.62	59.07	978,068.217	− 28.15	
1272	6	58.52	79	38.57	40.84	978,066.268	− 33.70	
1273	6	58.52	78	34.02	3466.99	977,141.165	− 282.41	
1274	6	58.83	78	33.32	3470.17	977,140.065	− 282.98	
1275	6	58.93	76	25.27	227.22	977,927.459	− 136.18	
1276	6	58.93	79	37.65	37.60	978,060.336	− 40.42	
1277	6	59.00	78	12.00	3278.19	977,197.780	− 263.56	
1278	6	59.24	78	11.98	3296.95	977,193.074	− 264.62	
1279	6	59.52	78	33.28	3531.64	977,130.289	− 280.76	
1280	6	59.83	79	36.82	30.01	978,062.706	− 39.86	
1281	6	59.84	78	11.73	3305.61	977,190.968	− 265.22	
1282	6	59.99	76	26.68	231.61	977,914.349	− 148.81	Sisa-Pte.
1283	7	0.12	78	33.81	3582.99	977,126.679	− 274.36	
1284	7	0.22	78	11.98	3316.68	977,188.584	− 265.53	
1285	7	0.49	76	36.16	285.89	977,882.934	− 169.78	Bellavista-AP
1286	7	0.62	76	27.53	232.98	977,909.824	− 153.30	
1287	7	0.65	78	12.49	3371.23	977,175.593	− 267.82	
1288	7	0.70	78	34.13	3595.32	977,128.008	− 270.78	
1289	7	0.72	78	12.11	3317.00	977,181.801	− 272.43	
1290	7	0.82	78	12.59	3425.70	977,164.707	− 267.92	
1291	7	1.25	78	12.21	3317.21	977,186.438	− 267.95	
1292	7	1.48	76	43.39	285.79	977,858.112	− 194.98	
1293	7	1.50	78	34.66	3635.24	977,122.629	− 268.49	
1294	7	1.51	76	27.98	234.21	977,903.995	− 159.21	
1295	7	1.73	79	35.42	48.35	978,063.039	− 36.63	
1296	7	1.84	78	14.59	3611.69	977,129.832	− 266.11	
1297	7	1.84	78	13.71	3534.77	977,144.277	− 267.00	
1298	7	1.91	78	13.31	3513.94	977,148.444	− 267.01	
1299	7	1.94	78	14.10	3570.75	977,137.861	− 266.28	
1300	7	2.00	78	13.00	3465.47	977,156.664	− 268.48	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1301	7	2.01	78	35.13	3667.67	977,118.368	− 266.47	
1302	7	2.02	78	14.94	3713.39	977,108.733	− 267.00	
1303	7	2.07	76	29.13	236.86	977,902.319	− 160.57	
1304	7	2.20	78	14.80	3669.24	977,117.925	− 266.68	
1305	7	2.29	79	34.93	52.13	978,063.260	− 35.87	
1306	7	2.44	78	16.06	3696.82	977,112.863	− 266.33	
1307	7	2.46	78	15.63	3728.03	977,106.626	− 266.34	Cumbre
1308	7	2.63	78	35.52	3606.97	977,135.018	− 262.15	
1309	7	2.67	76	31.15	240.42	977,897.495	− 164.92	
1310	7	2.87	78	16.40	3641.23	977,123.973	− 266.46	
1311	7	2.90	76	31.84	242.75	977,895.509	− 166.53	Caseri-Limon
1312	7	2.98	78	19.55	3412.10	977,168.015	− 268.11	
1313	7	3.11	78	18.56	3465.11	977,160.418	− 265.20	
1314	7	3.12	78	35.81	3585.02	977,139.133	− 262.59	
1315	7	3.12	79	34.22	60.11	978,063.380	− 34.49	
1316	7	3.26	76	34.34	246.82	977,892.543	− 168.83	
1317	7	3.30	76	32.96	244.57	977,893.810	− 168.02	
1318	7	3.46	78	16.98	3593.45	977,133.306	− 266.87	
1319	7	3.47	78	18.00	3507.78	977,150.743	− 266.51	
1320	7	3.50	78	17.20	3551.23	977,141.593	− 267.01	
1321	7	3.57	78	19.88	3359.53	977,179.464	− 267.35	
1322	7	3.64	76	35.04	285.90	977,883.902	− 169.96	
1323	7	3.82	76	36.93	252.92	977,889.179	− 171.21	
1324	7	3.94	76	35.21	248.60	977,892.244	− 169.03	Bella-Vista-Plaza
1325	7	3.95	79	33.52	62.60	978,061.238	− 36.45	
1326	7	3.99	76	36.08	256.97	977,888.544	− 171.11	
1327	7	4.00	78	36.04	3517.89	977,157.954	− 257.48	
1328	7	4.09	78	19.84	3326.18	977,186.278	− 267.36	
1329	7	4.12	78	35.61	3454.19	977,167.412	− 260.75	
1330	7	4.15	76	43.13	306.57	977,847.275	− 202.72	Plaza
1331	7	4.16	78	20.10	3144.76	977,220.339	− 269.42	
1332	7	4.24	76	42.86	307.29	977,851.911	− 197.98	
1333	7	4.38	76	43.06	272.15	977,855.314	− 201.51	
1334	7	4.43	78	35.57	3376.46	977,183.258	− 260.50	
1335	7	4.49	76	42.43	292.34	977,850.399	− 202.51	Sacanche
1336	7	4.63	76	44.07	291.20	977,849.589	− 203.59	
1337	7	4.71	78	19.92	3251.60	977,201.148	− 267.56	
1338	7	4.72	79	32.33	69.02	978,056.306	− 40.41	
1339	7	4.73	76	39.60	269.72	977,873.704	− 183.73	
1340	7	4.79	78	35.18	3312.47	977,196.375	− 260.25	
1341	7	4.81	76	40.41	273.10	977,865.767	− 191.03	
1342	7	4.88	78	20.51	3097.42	977,231.107	− 268.33	
1343	7	4.97	78	34.92	3245.79	977,210.032	− 259.93	
1344	7	4.99	78	20.10	3198.61	977,212.204	− 267.15	
1345	7	5.07	76	44.81	301.02	977,845.946	− 205.48	
1346	7	5.17	76	38.92	258.03	977,879.412	− 180.47	Rio-Saposoa
1347	7	5.18	78	34.52	3176.43	977,223.448	− 260.39	Porcon
1348	7	5.27	78	20.67	3056.69	977,238.883	− 268.80	
1349	7	5.48	78	34.08	3056.39	977,246.800	− 261.02	
1350	7	5.53	78	34.33	3125.25	977,233.500	− 260.65	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1351	7	5.55	79	31.02	74.86	978,053.013	− 42.87	
1352	7	5.66	78	33.98	2986.87	977,260.868	− 260.83	
1353	7	5.85	78	33.18	2911.16	977,274.882	− 261.93	
1354	7	6.20	79	29.99	88.22	978,048.200	− 45.30	
1355	7	6.32	76	45.72	379.90	977,828.670	− 207.76	
1356	7	6.53	78	31.78	2796.85	977,297.328	− 262.43	
1357	7	6.56	78	20.60	2977.56	977,254.502	− 269.38	
1358	7	6.93	78	21.84	3028.99	977,247.872	− 265.93	
1359	7	7.02	79	29.01	99.25	978,047.852	− 43.80	
1360	7	7.30	78	20.50	2983.44	977,256.111	− 266.88	La-Torre
1361	7	7.33	78	31.30	2765.40	977,303.935	− 262.37	
1362	7	7.64	78	21.52	3083.33	977,239.126	− 264.13	
1363	7	7.97	79	27.91	101.53	978,044.140	− 47.41	
1364	7	7.99	76	43.99	273.53	977,852.547	− 205.34	
1365	7	8.16	78	29.28	2675.61	977,314.013	− 270.41	Cajamarca-AP
1366	7	8.20	78	29.29	2675.61	977,313.996	− 270.44	
1367	7	8.20	78	22.00	3086.00	977,238.625	− 264.31	
1368	7	8.23	78	23.23	3097.52	977,237.425	− 263.23	
1369	7	8.24	76	45.57	410.23	977,821.854	− 209.34	
1370	7	8.35	78	29.18	2676.41	977,313.858	− 270.48	
1371	7	8.39	76	44.73	362.76	977,831.430	− 209.12	
1372	7	8.46	78	24.50	3100.69	977,238.150	− 261.96	
1373	7	8.46	78	29.25	2674.87	977,313.467	− 271.21	
1374	7	8.60	78	23.70	3124.41	977,233.688	− 261.76	
1375	7	8.63	78	30.00	2693.05	977,313.081	− 268.05	
1376	7	8.67	78	26.92	2779.22	977,302.085	− 261.97	
1377	7	8.68	79	27.10	109.35	978,042.560	− 47.73	
1378	7	8.87	76	43.96	308.98	977,842.425	− 208.84	
1379	7	8.91	78	27.14	2717.15	977,313.047	− 263.41	
1380	7	8.96	78	31.27	2735.51	977,311.870	− 260.96	
1381	7	8.97	78	26.33	2853.26	977,287.141	− 262.32	
1382	7	8.99	78	24.73	3106.91	977,236.145	− 262.92	
1383	7	9.10	78	25.60	3019.82	977,253.250	− 263.17	
1384	7	9.19	78	31.00	2720.24	977,313.842	− 262.11	Cajamarca-Plaza
1385	7	9.23	78	25.78	2947.27	977,267.346	− 263.54	
1386	7	9.60	78	30.52	2708.37	977,318.448	− 260.01	Cajamarca
1387	7	9.70	78	28.56	2655.80	977,324.058	− 264.86	
1388	7	9.70	78	27.80	2654.73	977,324.718	− 264.42	Los-Banos-del-Inca
1389	7	9.71	78	29.30	2631.38	977,319.902	− 273.87	
1390	7	9.73	78	30.20	2699.31	977,318.257	− 262.04	
1391	7	10.35	78	29.67	2695.24	977,322.132	− 259.21	
1392	7	10.39	78	30.59	2741.72	977,313.796	− 258.34	
1393	7	10.43	79	0.80	593.30	977,858.231	− 137.87	
1394	7	10.61	78	28.92	2676.66	977,324.222	− 260.90	
1395	7	10.75	79	25.84	118.09	978,044.518	− 44.83	
1396	7	10.75	76	43.76	286.07	977,849.606	− 206.85	Juanjui-Hospital
1397	7	10.86	79	0.07	624.13	977,849.185	− 141.02	
1398	7	10.90	79	1.30	581.79	977,867.802	− 130.73	
1399	7	10.90	78	30.70	2801.65	977,303.852	− 256.57	Chinchinmarca
1400	7	10.99	78	21.35	2927.03	977,270.231	− 265.33	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1401	7	11.01	78	21.78	2970.22	977,262.161	− 264.83	
1402	7	11.02	78	28.35	2649.21	977,331.419	− 259.30	
1403	7	11.26	79	2.01	590.64	977,871.506	− 125.42	
1404	7	11.34	78	20.93	2847.36	977,285.724	− 265.79	
1405	7	11.38	78	25.49	2606.56	977,336.932	− 262.38	Ilacanora
1406	7	11.40	78	57.80	666.58	977,832.177	− 149.90	Yube-East
1407	7	11.41	78	58.55	638.31	977,843.185	− 144.45	
1408	7	11.55	78	27.63	2635.09	977,334.618	− 259.10	
1409	7	11.60	78	25.41	2606.06	977,336.179	− 263.31	
1410	7	11.68	78	20.11	2777.62	977,298.540	− 266.95	
1411	7	11.86	78	25.64	2630.41	977,329.802	− 264.96	
1412	7	11.87	78	22.43	2971.37	977,265.638	− 261.44	
1413	7	11.95	78	19.40	2733.37	977,305.876	− 268.49	Namora
1414	7	12.06	78	26.84	2623.88	977,336.968	− 259.16	
1415	7	12.10	78	24.70	2685.08	977,321.000	− 263.01	
1416	7	12.15	76	44.13	301.20	977,851.422	− 202.59	
1417	7	12.18	78	23.22	2901.50	977,279.848	− 261.23	
1418	7	12.22	78	18.75	2772.98	977,299.517	− 267.09	
1419	7	12.23	79	25.47	120.12	978,045.410	− 44.09	
1420	7	12.28	78	24.08	2760.17	977,308.077	− 261.10	
1421	7	12.30	78	55.70	732.80	977,816.063	− 153.35	Salitre
1422	7	12.33	78	23.54	2821.17	977,296.351	− 260.74	
1423	7	12.48	78	18.00	2779.85	977,298.653	− 266.69	
1424	7	12.69	78	17.25	2788.06	977,296.837	− 266.96	
1425	7	12.74	78	47.10	920.40	977,712.558	− 220.17	
1426	7	12.86	76	44.32	282.86	977,857.355	− 200.51	
1427	7	12.89	78	16.64	2747.76	977,303.658	− 268.21	
1428	7	12.90	78	30.10	3053.50	977,257.414	− 253.73	
1429	7	13.00	78	44.60	991.10	977,690.096	− 228.83	Chetilla-Pte.
1430	7	13.08	79	26.00	113.61	978,047.803	− 43.29	
1431	7	13.20	79	3.10	531.88	977,883.226	− 125.96	
1432	7	13.20	78	47.80	901.98	977,722.354	− 214.16	
1433	7	13.25	78	52.11	820.51	977,769.645	− 182.90	
1434	7	13.26	78	43.29	1141.53	977,667.743	− 221.69	
1435	7	13.38	78	54.09	771.05	977,793.328	− 168.98	
1436	7	13.40	78	52.69	830.54	977,771.052	− 179.58	
1437	7	13.43	78	50.20	940.49	977,740.026	− 189.01	
1438	7	13.49	76	44.53	297.71	977,855.072	− 200.12	
1439	7	13.55	78	16.14	2715.22	977,310.272	− 268.30	
1440	7	13.56	79	12.41	324.11	977,975.104	− 74.95	
1441	7	13.72	79	26.93	105.19	978,050.257	− 42.72	
1442	7	14.19	78	15.59	2754.26	977,302.111	− 268.95	
1443	7	14.23	79	27.60	98.74	978,052.153	− 42.28	
1444	7	14.25	78	50.14	1049.43	977,722.281	− 185.64	
1445	7	14.33	79	3.45	487.67	977,897.284	− 120.99	
1446	7	14.36	76	44.81	298.61	977,857.030	− 198.32	
1447	7	14.40	79	28.06	96.04	978,053.955	− 41.07	
1448	7	14.49	79	28.28	93.02	978,055.557	− 40.09	
1449	7	14.69	78	15.43	2815.64	977,292.336	− 266.73	
1450	7	14.70	79	13.09	314.58	977,981.013	− 71.33	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1451	7	14.70	78	40.20	1349.06	977,616.701	− 232.41	Amillas
1452	7	14.80	78	39.40	1388.98	977,606.447	− 234.83	Magdalena
1453	7	14.86	78	28.08	3064.45	977,251.249	− 258.45	
1454	7	15.00	79	7.90	419.87	977,943.327	− 88.50	Tembladera
1455	7	15.13	79	5.86	442.96	977,924.817	− 102.53	
1456	7	15.14	78	29.13	2876.72	977,289.675	− 257.43	
1457	7	15.15	78	15.53	2819.10	977,291.761	− 266.80	Matara
1458	7	15.20	79	4.60	469.59	977,910.155	− 112.00	Pampa-Larga
1459	7	15.20	78	50.20	847.51	977,756.823	− 191.15	Chilete-Plaza
1460	7	15.20	78	28.60	2991.66	977,266.888	− 257.41	
1461	7	15.20	78	49.84	1148.75	977,703.837	− 184.90	
1462	7	15.21	79	28.05	92.27	978,062.047	− 34.02	
1463	7	15.35	76	44.37	284.08	977,861.839	− 196.73	
1464	7	15.48	78	15.20	2845.65	977,286.893	− 266.51	
1465	7	15.49	78	30.60	2639.65	977,338.081	− 256.21	Opuesta-de-Tuco-Loma
1466	7	15.82	78	49.66	1186.25	977,695.888	− 185.70	
1467	7	15.95	79	28.69	97.79	978,058.173	− 37.09	
1468	7	16.00	78	37.50	1520.59	977,576.793	− 239.00	Casa-de-El-Mirme
1469	7	16.02	78	49.67	1285.39	977,677.196	− 184.95	
1470	7	16.18	76	44.04	282.41	977,861.797	− 197.41	Rio-Huallabamba
1471	7	16.20	79	15.90	249.73	978,005.957	− 59.66	Ventanillas
1472	7	16.29	78	49.38	1397.76	977,658.742	− 181.37	
1473	7	16.34	78	14.54	2923.66	977,271.308	− 266.93	
1474	7	16.49	78	36.20	1634.78	977,555.008	− 238.44	
1475	7	16.61	78	13.80	2843.07	977,287.966	− 266.38	
1476	7	16.63	78	49.27	1474.25	977,644.452	− 180.72	
1477	7	16.64	78	14.29	2895.45	977,277.260	− 266.69	Condormarca
1478	7	16.78	78	12.91	2848.49	977,285.707	− 267.63	Coch-Dv.
1479	7	16.86	78	30.02	2419.02	977,379.456	− 259.09	
1480	7	16.93	78	48.87	1609.31	977,619.973	− 178.67	
1481	7	16.93	78	12.50	2821.30	977,289.872	− 268.92	
1482	7	16.93	79	28.27	105.75	978,055.210	− 38.87	
1483	7	16.99	78	49.10	1562.05	977,626.493	− 181.50	
1484	7	17.20	78	33.40	1798.38	977,521.694	− 239.74	Casa-de-El-Tingo
1485	7	17.25	78	48.55	1683.36	977,602.570	− 181.58	
1486	7	17.30	79	19.30	193.61	978,025.344	− 51.67	Cooperativa-Huabal
1487	7	17.30	78	29.80	2311.37	977,402.273	− 257.76	San-Juan
1488	7	17.54	78	12.25	2750.00	977,304.028	− 269.14	
1489	7	17.69	79	25.09	119.43	978,049.827	− 41.86	Limon-Carro
1490	7	17.87	79	24.41	127.93	978,049.824	− 40.27	
1491	7	17.87	79	19.62	92.94	978,031.422	− 65.52	
1492	7	17.90	76	42.91	295.44	977,862.825	− 194.48	
1493	7	17.99	78	48.03	1850.99	977,574.410	− 176.93	
1494	7	18.01	79	28.52	89.11	978,057.331	− 40.41	
1495	7	18.05	78	11.90	2632.04	977,326.452	− 270.31	
1496	7	18.07	79	27.75	93.09	978,057.712	− 39.27	
1497	7	18.10	79	28.50	89.11	978,057.139	− 40.64	El-Cruce
1498	7	18.10	79	26.97	96.90	978,056.314	− 39.94	
1499	7	18.13	79	26.00	109.95	978,052.590	− 41.12	
1500	7	18.21	79	23.67	135.11	978,049.274	− 39.54	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1501	7	18.38	78	47.80	1934.13	977,555.908	− 179.15	
1502	7	18.42	79	20.50	164.94	978,037.923	− 45.13	
1503	7	18.61	78	47.90	2003.02	977,545.004	− 176.53	
1504	7	18.62	78	11.31	2465.87	977,357.501	− 272.43	
1505	7	18.65	78	11.66	2597.49	977,332.561	− 271.29	
1506	7	18.76	78	10.87	2371.74	977,374.036	− 274.59	
1507	7	19.00	78	11.27	2540.20	977,343.980	− 271.36	
1508	7	19.09	78	47.88	2082.94	977,531.714	− 174.20	
1509	7	19.10	79	21.79	143.84	978,048.090	− 39.35	
1510	7	19.23	78	10.23	2277.06	977,392.275	− 275.28	San-Marcos
1511	7	19.31	79	28.69	67.28	978,061.827	− 40.68	
1512	7	19.50	78	48.50	2800.60	977,394.560	− 169.31	
1513	7	19.65	78	47.59	2165.90	977,513.528	− 176.19	
1514	7	19.90	78	48.33	2674.89	977,417.079	− 171.89	
1515	7	19.92	78	47.39	2323.05	977,478.584	− 180.13	
1516	7	19.93	78	10.14	2250.79	977,398.172	− 274.85	San-Marcos
1517	7	19.94	79	29.36	73.67	978,061.981	− 39.52	
1518	7	20.00	78	9.40	2298.53	977,392.272	− 271.32	
1519	7	20.04	78	47.59	2529.10	977,443.111	− 174.82	
1520	7	20.12	78	47.11	2398.43	977,465.919	− 177.94	
1521	7	20.18	78	48.04	2606.34	977,431.558	− 171.12	
1522	7	20.23	78	9.00	2304.02	977,387.499	− 275.10	
1523	7	20.34	78	48.58	2839.06	977,388.346	− 168.21	
1524	7	20.41	76	41.21	296.57	977,865.911	− 192.12	
1525	7	20.59	78	8.65	2336.81	977,380.827	− 275.42	
1526	7	20.77	79	30.63	61.33	978,069.273	− 34.96	
1527	7	20.99	78	8.24	2438.66	977,361.149	− 275.07	
1528	7	21.02	78	8.03	2486.32	977,351.942	− 274.85	
1529	7	21.17	78	48.37	2760.34	977,404.373	− 168.12	
1530	7	21.31	78	7.77	2548.72	977,342.285	− 272.24	
1531	7	21.39	76	40.65	291.76	977,867.672	− 191.68	
1532	7	21.45	78	47.84	2695.22	977,414.607	− 170.92	
1533	7	21.51	79	31.36	57.91	978,071.710	− 33.47	
1534	7	21.75	78	48.19	2674.06	977,423.442	− 166.40	Contumaza-Plaza
1535	7	21.91	78	7.69	2596.07	977,339.295	− 266.07	Ichocan
1536	7	22.11	78	47.94	2701.79	977,414.040	− 170.44	
1537	7	22.29	78	48.16	2778.96	977,402.663	− 166.57	
1538	7	22.33	78	7.58	2675.11	977,328.127	− 261.73	
1539	7	22.37	76	40.14	297.62	977,868.215	− 190.36	
1540	7	22.52	78	47.92	2854.56	977,385.421	− 168.89	
1541	7	23.19	79	33.02	3.74	978,082.025	− 34.39	
1542	7	23.33	78	7.30	2642.21	977,335.148	− 261.61	
1543	7	23.77	78	47.78	2846.98	977,381.441	− 174.85	
1544	7	23.81	79	34.08	7.70	978,080.101	− 35.78	
1545	7	24.11	78	47.84	2625.26	977,425.342	− 175.08	
1546	7	24.13	78	7.03	2535.39	977,357.604	− 260.64	
1547	7	24.16	78	48.13	2773.60	977,390.929	− 180.08	
1548	7	24.16	79	33.40	25.94	978,076.443	− 36.01	
1549	7	24.24	76	39.75	329.71	977,864.255	− 188.75	
1550	7	24.35	78	46.95	2536.99	977,442.390	− 175.63	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1551	7	24.43	78	7.11	2440.48	977,375.796	− 261.38	
1552	7	24.56	78	47.55	2467.18	977,458.791	− 173.14	
1553	7	24.66	78	48.05	2716.13	977,403.780	− 178.83	
1554	7	24.76	78	47.24	2377.18	977,474.242	− 175.60	
1555	7	24.95	79	32.52	25.65	978,073.654	− 39.16	
1556	7	24.96	76	40.02	362.46	977,866.951	− 179.91	
1557	7	25.12	78	7.12	2314.20	977,398.466	− 263.99	
1558	7	25.14	78	47.65	2296.55	977,490.905	− 175.05	
1559	7	25.17	79	30.05	45.56	978,067.252	− 41.75	
1560	7	25.21	78	47.05	2147.33	977,517.763	− 177.75	
1561	7	25.31	78	46.92	2072.00	977,527.146	− 183.31	
1562	7	25.44	78	46.92	2006.03	977,538.505	− 185.04	
1563	7	25.71	78	47.12	1916.45	977,557.047	− 184.31	
1564	7	25.73	79	30.10	42.71	978,067.515	− 42.26	
1565	7	25.76	78	6.75	2195.42	977,424.173	− 262.04	
1566	7	26.19	78	47.72	1644.56	977,605.716	− 189.51	
1567	7	26.37	78	6.86	2098.56	977,443.152	− 262.46	
1568	7	26.42	78	47.91	1733.31	977,594.349	− 183.45	
1569	7	26.69	78	6.72	1987.12	977,467.128	− 260.64	Rio-Crisnejas
1570	7	26.69	78	6.71	2059.17	977,451.706	− 261.81	
1571	7	26.78	78	48.10	1581.43	977,619.995	− 187.91	
1572	7	27.04	79	28.99	54.19	978,066.324	− 41.70	
1573	7	27.20	78	48.34	1482.21	977,642.493	− 185.14	
1574	7	27.24	79	27.74	69.59	978,064.206	− 40.89	
1575	7	27.50	76	40.38	312.15	977,859.869	− 197.83	
1576	7	27.55	79	26.67	86.89	978,065.479	− 36.35	
1577	7	27.74	78	48.54	1385.25	977,677.402	− 169.55	
1578	7	28.29	78	6.97	2012.18	977,462.891	− 260.54	
1579	7	28.53	78	48.99	1273.65	977,713.043	− 156.20	
1580	7	28.60	76	39.62	308.58	977,860.472	− 198.36	
1581	7	28.90	78	7.53	2044.72	977,453.770	− 263.46	
1582	7	28.90	78	48.97	1224.52	977,722.307	− 156.75	
1583	7	29.89	78	7.97	2026.21	977,454.629	− 266.65	
1584	7	29.99	79	24.39	119.09	978,062.724	− 33.75	
1585	7	30.32	78	8.43	2044.52	977,451.348	− 266.48	
1586	7	30.52	78	48.99	942.85	977,778.806	− 156.29	
1587	7	30.93	78	8.42	2071.11	977,445.544	− 267.26	
1588	7	31.03	78	48.62	847.06	977,793.476	− 160.65	
1589	7	31.79	78	8.84	2054.18	977,446.054	− 270.43	
1590	7	32.08	76	39.54	357.36	977,844.784	− 205.84	
1591	7	32.39	76	39.92	319.48	977,853.061	− 205.11	Punta-Arena-Pte.
1592	7	32.39	79	23.06	113.04	978,062.902	− 35.69	
1593	7	32.51	76	39.83	318.88	977,852.358	− 205.97	
1594	7	32.73	78	8.64	2077.72	977,441.867	− 270.33	
1595	7	32.74	78	48.50	644.77	977,831.306	− 163.21	
1596	7	33.07	76	38.14	501.10	977,815.160	− 207.67	
1597	7	33.65	78	8.32	2077.11	977,441.027	− 271.65	
1598	7	33.72	78	48.19	580.66	977,843.355	− 164.12	el-cruce
1599	7	34.16	78	49.25	514.39	977,869.113	− 151.54	
1600	7	34.31	79	22.04	105.75	978,061.627	− 39.14	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1601	7	34.40	78	8.10	2108.94	977,433.677	− 273.00	
1602	7	34.94	78	7.87	2100.76	977,433.835	− 274.68	
1603	7	35.03	78	50.29	495.03	977,880.484	− 144.31	
1604	7	35.11	78	51.14	481.34	977,890.247	− 137.26	
1605	7	35.13	78	52.49	450.68	977,905.009	− 128.52	
1606	7	35.46	79	22.11	101.73	978,063.905	− 38.10	
1607	7	35.65	78	53.32	441.86	977,912.747	− 122.71	
1608	7	35.80	78	7.42	2177.81	977,417.701	− 275.90	
1609	7	35.85	78	53.83	425.31	977,917.777	− 121.00	
1610	7	35.85	78	5.56	2342.74	977,388.861	− 272.12	
1611	7	36.03	78	5.10	2429.64	977,370.569	− 273.26	
1612	7	36.12	78	6.55	2281.87	977,400.888	− 272.25	
1613	7	36.37	78	3.90	2619.49	977,336.805	− 269.53	
1614	7	36.40	76	39.42	410.98	977,834.543	− 207.27	Pte.
1615	7	36.50	78	4.79	2565.50	977,341.500	− 275.59	
1616	7	36.65	78	2.83	2640.44	977,331.058	− 271.23	
1617	7	36.92	78	55.93	383.25	977,941.755	− 105.70	
1618	7	37.23	78	2.59	2654.10	977,328.111	− 271.70	Cajabamba
1619	7	37.64	78	2.47	2637.14	977,329.361	− 273.98	
1620	7	37.72	76	39.60	509.51	977,814.557	− 208.45	
1621	7	38.12	78	2.19	2684.94	977,319.722	− 274.32	
1622	7	38.27	78	2.14	2714.15	977,314.148	− 274.16	
1623	7	38.46	79	20.80	93.29	978,068.925	− 35.92	
1624	7	38.90	78	2.79	2748.07	977,310.025	− 271.80	
1625	7	38.95	76	39.95	550.80	977,804.460	− 210.94	
1626	7	39.23	78	56.99	346.29	977,955.976	− 99.63	
1627	7	39.25	78	3.14	2830.85	977,293.485	− 272.05	
1628	7	39.43	79	19.90	87.64	978,068.420	− 37.91	
1629	7	39.57	76	39.72	612.61	977,791.113	− 212.40	
1630	7	39.66	78	2.81	2868.66	977,287.006	− 271.18	
1631	7	39.80	78	57.67	336.20	977,959.751	− 98.06	
1632	7	40.02	78	2.01	2974.91	977,265.779	− 271.45	
1633	7	40.51	79	19.33	62.54	978,070.629	− 41.05	
1634	7	40.64	78	1.21	2989.70	977,261.820	− 272.71	
1635	7	40.82	76	39.63	755.61	977,759.575	− 216.37	
1636	7	41.16	78	1.58	3036.98	977,252.190	− 273.16	
1637	7	41.29	78	1.01	3033.40	977,251.992	− 274.12	
1638	7	41.38	78	58.36	312.97	977,968.928	− 94.06	
1639	7	41.62	78	1.00	3052.12	977,247.896	− 274.62	
1640	7	42.13	76	39.83	941.19	977,721.775	− 218.23	
1641	7	42.28	78	1.07	3054.33	977,247.002	− 275.34	
1642	7	42.52	78	59.17	289.36	977,978.310	− 89.76	
1643	7	42.68	78	0.87	3061.28	977,244.708	− 276.42	
1644	7	42.79	78	0.48	3066.20	977,243.347	− 276.84	
1645	7	43.32	77	59.77	3135.49	977,229.272	− 277.35	
1646	7	43.41	79	1.37	258.44	977,993.668	− 80.81	
1647	7	43.46	79	2.73	237.57	978,002.008	− 76.58	
1648	7	43.46	79	18.20	83.29	978,068.782	− 40.01	
1649	7	43.53	79	0.35	279.44	977,985.307	− 85.11	Sausal
1650	7	43.71	79	3.52	224.16	978,007.100	− 74.22	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1651	7	43.91	77	58.97	3199.44	977,215.676	− 278.46	
1652	7	44.06	76	39.42	836.68	977,738.113	− 223.20	
1653	7	44.27	77	58.77	3308.94	977,193.648	− 278.85	
1654	7	44.31	77	58.38	3213.03	977,212.147	− 279.45	
1655	7	44.54	79	17.07	86.30	978,068.446	− 40.19	
1656	7	44.56	77	59.30	3326.66	977,189.359	− 279.72	
1657	7	44.79	79	5.96	192.00	978,022.378	− 65.67	
1658	7	45.05	79	10.64	142.80	978,037.979	− 59.80	
1659	7	45.30	77	58.93	3347.80	977,184.194	− 280.98	
1660	7	45.31	79	11.19	136.49	978,040.196	− 58.93	
1661	7	45.35	79	15.91	79.62	978,069.318	− 40.95	
1662	7	45.45	79	10.12	149.34	978,036.805	− 59.86	
1663	7	45.45	79	6.74	181.20	978,025.212	− 65.22	
1664	7	45.49	79	9.09	158.50	978,033.237	− 61.65	
1665	7	45.57	79	12.07	126.58	978,046.001	− 55.16	
1666	7	45.86	79	8.37	166.02	978,032.184	− 61.38	
1667	7	46.01	77	59.54	3293.78	977,194.425	− 281.79	Hualtipampa
1668	7	46.13	79	15.13	87.46	978,067.090	− 41.96	
1669	7	46.14	79	7.51	167.36	978,030.083	− 63.33	
1670	7	46.30	76	39.53	597.22	977,781.958	− 227.27	
1671	7	46.53	79	12.76	114.51	978,056.358	− 47.56	
1672	7	46.64	77	59.85	3196.98	977,214.778	− 280.95	
1673	7	46.87	79	14.43	94.45	978,065.877	− 42.10	
1674	7	47.33	77	59.10	3165.10	977,218.718	− 283.63	
1675	7	47.34	79	13.25	103.77	978,061.751	− 44.59	Chocope-Hospital
1676	7	47.36	79	12.91	106.59	978,060.417	− 45.38	
1677	7	47.65	79	12.08	112.21	978,058.564	− 46.25	
1678	7	47.66	77	58.63	3166.56	977,218.164	− 284.02	
1679	7	47.77	77	59.24	3159.69	977,220.066	− 283.53	
1680	7	48.57	77	59.58	3111.39	977,227.600	− 285.93	
1681	7	48.60	76	40.39	682.51	977,752.161	− 241.25	
1682	7	48.69	78	0.39	3140.22	977,223.705	− 284.14	
1683	7	48.78	78	2.82	3168.78	977,223.194	− 279.00	Huamachuco
1684	7	48.90	79	10.21	115.88	978,054.005	− 50.60	
1685	7	48.92	78	0.93	3103.48	977,231.282	− 283.96	
1686	7	49.02	78	2.04	3194.93	977,216.148	− 280.94	Huamachuco
1687	7	49.29	78	1.36	3211.15	977,211.079	− 282.90	Chiracmaca
1688	7	49.32	78	3.44	3261.11	977,206.092	− 277.96	
1689	7	49.83	78	4.50	3215.67	977,216.669	− 276.63	
1690	7	49.85	78	5.04	3205.82	977,219.086	− 276.18	
1691	7	49.93	78	3.83	3233.56	977,210.474	− 279.31	
1692	7	49.94	76	40.75	564.16	977,793.338	− 223.85	Balsayaco-Pte.
1693	7	50.18	78	5.33	3170.87	977,224.314	− 278.04	
1694	7	50.35	79	8.71	125.47	978,046.866	− 56.45	
1695	7	50.74	78	6.02	3157.35	977,224.906	− 280.36	
1696	7	51.47	76	40.65	685.97	977,768.474	− 225.43	
1697	7	51.51	78	6.32	3240.36	977,208.269	− 280.80	
1698	7	52.13	78	6.71	3282.21	977,200.006	− 280.99	
1699	7	52.23	76	40.52	781.75	977,749.303	− 226.10	
1700	7	52.32	79	7.75	146.29	978,043.246	− 56.80	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1701	7	52.94	78	7.10	3343.70	977,188.414	− 280.67	
1702	7	53.18	76	39.45	681.87	977,773.785	− 221.62	
1703	7	53.45	78	7.68	3340.73	977,190.750	− 279.13	
1704	7	53.87	76	39.67	613.74	977,789.372	− 219.68	
1705	7	53.96	78	33.70	2640.82	977,417.033	− 192.14	Otuzco
1706	7	54.31	78	7.86	3465.58	977,164.763	− 280.61	
1707	7	54.35	79	6.78	194.63	978,035.128	− 56.28	
1708	7	54.44	78	33.80	2594.66	977,425.897	− 192.62	
1709	7	54.53	78	8.21	3514.61	977,155.221	− 280.47	
1710	7	54.60	78	8.71	3597.59	977,137.377	− 281.81	
1711	7	54.61	76	39.93	547.13	977,802.633	− 219.79	Pte.
1712	7	54.79	78	9.95	3897.82	977,075.297	− 284.07	
1713	7	54.88	78	9.04	3706.89	977,112.701	− 284.81	
1714	7	55.01	78	9.21	3806.77	977,091.519	− 286.12	
1715	7	55.02	78	34.20	2564.77	977,432.802	− 191.88	
1716	7	55.25	78	10.32	3951.66	977,064.877	− 283.93	
1717	7	55.49	78	34.70	2540.33	977,443.340	− 186.38	
1718	7	55.57	78	35.18	2502.27	977,450.606	− 186.69	
1719	7	56.02	78	33.79	2588.48	977,431.524	− 188.87	
1720	7	56.02	78	10.80	4039.85	977,048.061	− 283.45	
1721	7	56.12	78	35.58	2379.69	977,472.275	− 189.54	
1722	7	56.48	78	36.27	2351.10	977,483.174	− 184.45	
1723	7	56.51	78	11.27	4034.28	977,054.617	− 278.20	
1724	7	56.54	79	5.53	217.49	978,036.337	− 51.49	
1725	7	56.90	78	33.23	2706.54	977,411.771	− 185.56	
1726	7	56.98	78	36.91	2351.78	977,492.120	− 175.58	
1727	7	57.10	78	32.83	2815.29	977,388.437	− 187.40	
1728	7	57.35	78	37.55	2188.42	977,529.555	− 170.63	
1729	7	57.47	78	38.09	2006.95	977,566.657	− 169.47	
1730	7	57.49	76	40.35	456.61	977,834.443	− 206.92	Pte.
1731	7	57.50	78	11.68	4101.27	977,043.008	− 276.84	
1732	7	57.55	78	32.90	2863.49	977,380.640	− 185.81	
1733	7	57.87	78	12.04	4110.98	977,042.685	− 275.37	
1734	7	57.91	78	38.31	1880.54	977,597.027	− 164.26	Casmiche
1735	7	58.19	78	13.45	4123.24	977,048.705	− 267.03	
1736	7	58.24	78	32.69	2963.57	977,362.168	− 184.69	
1737	7	58.25	78	12.71	4097.09	977,047.379	− 273.61	
1738	7	58.47	78	32.69	3056.52	977,341.493	− 186.99	
1739	7	58.52	78	13.76	4142.52	977,047.169	− 264.85	
1740	7	58.62	79	4.62	167.65	978,048.100	− 50.34	
1741	7	58.67	78	39.04	1697.45	977,636.913	− 160.84	
1742	7	58.77	78	15.51	4155.24	977,050.402	− 259.18	
1743	7	58.86	78	14.23	4087.56	977,061.220	− 261.92	
1744	7	58.86	78	15.06	4081.16	977,064.715	− 259.71	
1745	7	58.89	78	16.15	4182.83	977,046.825	− 257.29	
1746	7	59.03	78	22.03	3524.02	977,193.343	− 242.33	
1747	7	59.08	78	21.46	3529.28	977,192.666	− 241.98	
1748	7	59.08	78	39.52	1519.65	977,676.175	− 156.82	
1749	7	59.12	78	14.84	4001.78	977,079.593	− 260.80	
1750	7	59.12	78	40.22	1409.58	977,704.071	− 150.64	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1751	7	59.15	78	31.88	3030.24	977,345.111	− 188.87	
1752	7	59.18	78	23.50	3578.83	977,187.704	− 237.10	
1753	7	59.30	78	40.51	1393.27	977,710.463	− 147.54	Samne
1754	7	59.36	78	17.46	4142.67	977,064.340	− 248.00	
1755	7	59.41	78	18.21	4101.66	977,076.515	− 244.04	
1756	7	59.43	78	26.98	3446.01	977,234.778	− 216.60	La-Cotera-Dv.
1757	7	59.45	78	31.59	2942.57	977,362.375	− 189.16	
1758	7	59.47	78	31.16	2919.25	977,365.007	− 191.16	Yamobamba
1759	7	59.48	78	29.87	2941.46	977,353.417	− 198.35	
1760	7	59.49	78	30.80	2870.71	977,369.935	− 195.88	
1761	7	59.50	78	22.83	3543.99	977,192.650	− 239.24	
1762	7	59.60	78	40.93	1296.20	977,728.157	− 149.09	
1763	7	59.61	79	4.24	150.98	978,051.752	− 50.37	
1764	7	59.67	78	41.43	1200.96	977,751.030	− 145.00	
1765	7	59.69	78	25.69	3504.57	977,219.859	− 219.96	
1766	7	59.71	78	18.30	4007.54	977,096.697	− 242.79	
1767	7	59.72	78	30.31	2837.63	977,373.564	− 198.92	
1768	7	59.72	78	24.31	3617.61	977,189.643	− 227.66	
1769	7	59.74	78	29.28	3203.22	977,295.699	− 204.13	
1770	7	59.77	78	28.92	3311.57	977,271.795	− 206.49	
1771	7	59.78	78	25.11	3543.84	977,204.185	− 227.85	
1772	7	59.78	78	20.73	3570.12	977,184.639	− 242.16	
1773	7	59.88	78	29.38	3067.27	977,325.629	− 201.29	
1774	7	59.91	78	28.16	3393.45	977,251.423	− 210.62	
1775	7	59.94	78	46.42	564.28	977,908.488	− 112.77	
1776	7	59.98	78	18.95	3921.63	977,116.095	− 240.66	
1777	8	0.24	78	18.89	3831.02	977,131.177	− 243.77	
1778	8	0.25	78	44.15	789.66	977,838.757	− 138.39	Fonfon
1779	8	0.35	78	41.99	1036.68	977,781.407	− 147.23	
1780	8	0.38	78	18.52	3744.05	977,146.360	− 246.00	Shorey
1781	8	0.38	78	44.87	707.06	977,863.701	− 129.72	Shiran
1782	8	0.40	78	47.16	475.88	977,932.688	− 106.10	
1783	8	0.42	79	3.97	131.28	978,056.059	− 50.25	
1784	8	0.42	78	18.73	3752.99	977,146.671	− 243.92	
1785	8	0.47	78	45.91	626.51	977,895.141	− 114.13	Poroto
1786	8	0.54	78	19.05	3765.22	977,145.063	− 243.14	
1787	8	0.62	78	19.99	3702.09	977,157.153	− 243.68	
1788	8	0.70	76	38.99	454.39	977,842.230	− 200.90	Pizana-Pte.
1789	8	0.76	78	18.99	3774.95	977,144.435	− 241.92	Shorey
1790	8	0.77	78	42.97	908.31	977,812.706	− 141.34	
1791	8	1.02	76	39.59	459.19	977,845.220	− 197.10	Pte.
1792	8	1.12	78	47.62	453.95	977,941.657	− 101.73	
1793	8	1.33	76	38.98	461.07	977,844.126	− 197.95	Pte.
1794	8	2.20	78	47.60	548.97	977,926.164	− 99.04	
1795	8	3.28	78	47.79	556.98	977,926.275	− 97.80	
1796	8	3.65	78	51.41	208.53	977,998.853	− 93.67	
1797	8	3.90	78	49.09	420.27	977,952.991	− 98.16	
1798	8	4.18	78	50.13	305.96	977,978.182	− 95.48	
1799	8	4.19	76	37.26	493.23	977,845.445	− 191.52	Pte.
1800	8	4.32	78	51.99	163.49	978,008.127	− 93.50	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1801	8	4.58	79	2.59	77.14	978,068.172	− 50.46	
1802	8	4.59	78	53.16	163.17	978,019.903	− 81.90	
1803	8	4.64	78	55.22	128.06	978,032.691	− 76.00	
1804	8	4.76	78	54.29	136.64	978,028.907	− 78.16	
1805	8	4.87	79	6.38	23.13	978,090.778	− 38.55	
1806	8	4.88	78	55.90	116.40	978,039.465	− 71.61	
1807	8	4.89	78	59.23	74.96	978,063.279	− 55.91	
1808	8	4.92	79	6.30	23.13	978,090.874	− 38.47	Trujillo-AP
1809	8	4.94	79	5.88	28.29	978,087.926	− 40.41	
1810	8	5.00	76	37.60	513.98	977,845.507	− 187.72	
1811	8	5.03	79	0.15	72.76	978,066.348	− 53.33	
1812	8	5.14	78	58.58	78.11	978,057.191	− 61.49	
1813	8	5.22	79	5.00	40.00	978,083.140	− 43.03	
1814	8	5.27	78	57.06	106.51	978,045.632	− 67.54	
1815	8	5.28	78	57.47	89.06	978,051.067	− 65.53	Laredo
1816	8	5.37	78	57.74	83.46	978,053.608	− 64.12	
1817	8	5.38	79	2.21	46.67	978,073.946	− 50.98	
1818	8	5.42	79	4.37	40.97	978,080.726	− 45.34	
1819	8	5.65	76	37.74	494.54	977,848.229	− 189.09	
1820	8	5.73	79	3.89	36.21	978,080.657	− 46.47	Rruinas-de-Chancha
1821	8	5.86	79	2.93	38.35	978,077.304	− 49.45	El-Cortijo
1822	8	6.03	79	2.01	33.24	978,076.534	− 51.29	
1823	8	6.18	79	1.01	41.13	978,072.322	− 54.03	
1824	8	6.42	76	37.75	477.91	977,847.495	− 193.40	Pte.
1825	8	6.56	79	1.45	33.87	978,074.732	− 53.20	Trujillo-Plaza
1826	8	7.13	79	1.24	28.22	978,075.354	− 53.92	
1827	8	7.69	76	35.95	491.92	977,844.913	− 193.77	
1828	8	7.75	79	1.12	22.18	978,077.628	− 53.09	
1829	8	8.34	79	0.65	15.94	978,078.579	− 53.60	
1830	8	9.65	76	33.33	567.59	977,834.418	− 190.25	
1831	8	9.69	79	0.47	9.67	978,081.814	− 52.16	
1832	8	10.26	76	31.97	574.39	977,836.032	− 187.56	
1833	8	10.27	76	32.24	571.69	977,838.316	− 185.81	Pte.
1834	8	10.49	76	31.64	545.65	977,835.751	− 193.57	
1835	8	10.65	76	31.39	524.97	977,833.527	− 199.92	
1836	8	10.77	76	31.14	514.52	977,831.180	− 204.37	
1837	8	10.94	78	58.85	78.30	978,066.217	− 54.87	
1838	8	11.02	76	30.50	476.16	977,828.956	− 214.22	Tocache-Pte.
1839	8	11.08	76	30.69	496.76	977,827.022	− 212.14	Tocache-Plaza
1840	8	12.19	76	30.07	493.73	977,826.949	− 213.28	
1841	8	13.52	76	29.46	484.72	977,827.338	− 215.22	
1842	8	13.63	78	56.52	229.11	978,038.153	− 54.55	
1843	8	14.31	76	28.19	510.78	977,823.041	− 214.75	
1844	8	14.35	78	56.30	153.65	978,053.444	− 54.34	
1845	8	14.71	76	27.02	524.18	977,819.744	− 215.59	
1846	8	14.92	76	26.35	529.91	977,817.724	− 216.57	
1847	8	15.17	78	55.95	111.84	978,064.595	− 51.72	
1848	8	15.97	76	25.25	506.28	977,824.839	− 214.54	
1849	8	16.48	78	55.22	104.71	978,068.740	− 49.53	
1850	8	17.26	78	54.59	164.11	978,055.891	− 51.09	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1851	8	18.20	78	54.19	144.73	978,063.198	− 47.98	
1852	8	18.70	76	22.67	518.10	977,825.911	− 212.32	
1853	8	19.05	78	53.82	118.76	978,070.151	− 46.47	
1854	8	19.16	76	21.81	520.39	977,825.636	− 212.34	Pte.
1855	8	20.91	78	52.59	84.26	978,084.208	− 39.97	
1856	8	21.71	76	22.23	504.56	977,833.192	− 208.99	Huayave-Pte.
1857	8	21.71	78	52.06	81.29	978,086.890	− 38.22	
1858	8	22.84	74	32.25	156.76	978,041.392	− 69.43	
1859	8	23.01	74	31.66	154.15	978,041.960	− 69.44	San-Martin-Plaza
1860	8	23.09	74	32.87	152.60	978,042.045	− 69.70	
1861	8	23.10	76	22.25	503.26	977,837.291	− 205.75	Pte.
1862	8	23.21	74	34.14	155.93	978,040.342	− 70.80	Pucallpa-Cementario
1863	8	23.26	74	33.58	154.77	978,041.221	− 70.17	
1864	8	23.45	78	50.63	61.01	978,093.365	− 36.46	
1865	8	23.55	76	21.88	503.04	977,838.941	− 204.34	
1866	8	23.71	74	35.42	155.88	978,040.369	− 71.00	
1867	8	23.99	74	36.57	156.21	978,040.112	− 71.32	
1868	8	24.05	78	49.83	54.36	978,093.399	− 37.99	
1869	8	24.25	74	37.69	154.54	978,040.582	− 71.29	
1870	8	24.41	78	48.31	52.00	978,089.947	− 42.06	
1871	8	24.49	74	38.63	153.64	978,040.274	− 71.87	
1872	8	24.79	74	39.68	152.43	978,041.361	− 71.15	
1873	8	24.84	76	21.36	512.71	977,842.488	− 199.46	
1874	8	25.10	78	46.89	51.45	978,091.075	− 41.34	
1875	8	25.17	74	40.45	146.30	978,043.007	− 70.87	
1876	8	25.29	76	21.05	517.88	977,842.896	− 198.23	Uchiza-Pte.
1877	8	25.30	74	41.22	146.64	978,043.541	− 70.33	
1878	8	25.70	74	43.42	149.40	978,044.104	− 69.40	
1879	8	26.03	74	44.59	155.37	978,043.218	− 69.26	
1880	8	26.30	76	20.12	509.52	977,847.222	− 195.98	Pte.
1881	8	26.57	74	45.53	157.82	978,043.267	− 68.97	
1882	8	26.74	78	43.96	85.36	978,082.168	− 44.32	
1883	8	27.51	78	9.05	1118.21	977,659.302	− 264.86	Galgada
1884	8	27.56	76	19.87	504.68	977,853.889	− 190.81	
1885	8	27.75	74	47.42	176.25	978,042.550	− 66.59	
1886	8	27.79	74	47.47	160.96	978,043.571	− 68.58	
1887	8	27.99	78	42.66	102.30	978,076.340	− 47.38	
1888	8	28.34	76	19.51	501.06	977,856.235	− 189.52	
1889	8	28.46	74	48.27	186.25	978,041.782	− 65.71	
1890	8	28.85	74	48.97	187.27	978,042.186	− 65.28	
1891	8	29.63	74	49.94	204.23	978,039.497	− 64.99	
1892	8	30.41	74	50.82	202.13	978,040.981	− 64.26	
1893	8	30.41	76	18.93	512.55	977,859.875	− 184.53	Pte.
1894	8	30.88	76	18.59	503.68	977,864.944	− 181.41	
1895	8	31.17	74	51.67	189.46	978,045.217	− 62.84	
1896	8	31.39	76	18.44	540.08	977,859.689	− 179.75	
1897	8	32.05	78	40.55	79.69	978,074.341	− 55.59	
1898	8	32.08	74	52.30	207.39	978,044.336	− 60.61	
1899	8	32.76	76	17.93	539.31	977,859.483	− 180.71	
1900	8	33.16	74	53.16	215.06	978,045.258	− 58.66	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1901	8	33.28	78	40.29	61.57	978,080.680	− 53.34	
1902	8	33.39	76	17.68	510.01	977,863.073	− 183.15	
1903	8	34.00	76	17.43	514.73	977,865.093	− 180.47	Pte.
1904	8	34.16	74	54.06	195.09	978,049.169	− 59.11	Concreto-Pte.
1905	8	34.69	76	17.09	519.13	977,865.485	− 179.52	
1906	8	34.73	74	54.53	197.12	978,049.742	− 58.39	
1907	8	35.27	78	39.94	84.92	978,076.041	− 54.29	
1908	8	35.48	76	16.95	510.78	977,866.296	− 180.70	
1909	8	35.54	74	54.97	185.08	978,052.537	− 58.31	
1910	8	35.98	74	55.84	192.35	978,050.260	− 59.36	
1911	8	36.28	76	16.61	517.10	977,868.143	− 177.97	
1912	8	36.57	74	56.25	194.22	978,049.777	− 59.74	
1913	8	37.09	76	16.24	518.57	977,868.030	− 178.15	
1914	8	37.46	74	56.41	198.32	978,049.429	− 59.68	
1915	8	37.94	76	16.13	533.95	977,867.051	− 176.49	
1916	8	38.35	74	56.96	202.61	978,048.092	− 60.57	
1917	8	38.64	74	57.59	188.35	978,050.120	− 61.46	Pte.
1918	8	38.82	74	58.21	204.00	978,046.015	− 62.59	
1919	8	38.83	76	15.89	527.80	977,870.691	− 174.46	
1920	8	39.07	78	14.06	502.86	977,847.732	− 202.42	Chuquicara
1921	8	39.27	78	16.07	462.85	977,873.520	− 184.56	
1922	8	39.34	74	58.49	204.93	978,045.442	− 63.21	
1923	8	39.36	78	14.88	478.67	977,855.829	− 199.19	
1924	8	39.44	78	5.01	756.10	977,700.432	− 300.18	
1925	8	39.46	78	12.21	531.14	977,816.926	− 227.85	
1926	8	39.47	78	3.76	790.79	977,687.374	− 306.44	
1927	8	39.47	78	6.20	730.79	977,720.840	− 284.76	
1928	8	39.54	78	13.16	524.39	977,831.275	− 214.86	
1929	8	39.56	76	15.74	523.69	977,876.616	− 169.66	
1930	8	39.63	78	17.16	446.16	977,887.174	− 174.34	
1931	8	39.68	78	2.65	817.88	977,677.761	− 310.82	
1932	8	39.71	78	17.98	430.18	977,900.681	− 164.00	
1933	8	39.78	78	6.98	728.98	977,741.536	− 264.55	mirador
1934	8	39.88	78	19.31	384.18	977,926.813	− 146.96	
1935	8	39.88	78	0.42	888.16	977,621.944	− 352.92	
1936	8	40.06	78	11.80	546.17	977,800.943	− 241.15	
1937	8	40.11	76	15.50	539.89	977,876.201	− 167.15	
1938	8	40.15	78	9.02	673.71	977,769.555	− 247.55	
1939	8	40.18	78	1.41	863.85	977,651.080	− 328.70	
1940	8	40.23	78	8.18	702.88	977,765.142	− 246.27	
1941	8	40.31	78	21.15	355.71	977,957.408	− 122.14	
1942	8	40.40	78	20.43	376.14	977,946.525	− 129.06	
1943	8	40.71	76	15.29	528.71	977,877.985	− 167.83	
1944	8	40.77	77	59.36	909.22	977,603.024	− 368.10	
1945	8	40.82	74	59.07	210.24	978,044.855	− 63.42	
1946	8	41.19	78	22.23	321.11	977,969.454	− 117.27	
1947	8	41.25	78	9.38	637.76	977,782.689	− 241.97	
1948	8	41.29	78	11.14	585.46	977,801.431	− 233.51	
1949	8	41.30	77	58.26	948.85	977,601.014	− 362.56	
1950	8	41.37	78	10.20	617.08	977,786.137	− 242.63	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
1951	8	41.42	76	15.30	526.25	977,879.106	− 167.51	
1952	8	41.67	74	59.62	209.99	978,044.685	− 64.02	
1953	8	41.82	78	22.67	311.63	977,975.005	− 113.86	Tablones
1954	8	41.90	77	57.26	971.14	977,593.525	− 365.94	
1955	8	42.07	76	15.10	525.44	977,880.674	− 166.39	
1956	8	42.55	78	24.31	281.32	977,993.399	− 101.73	
1957	8	42.62	77	56.67	988.05	977,585.734	− 370.73	
1958	8	42.64	76	14.91	529.09	977,883.701	− 162.90	
1959	8	42.85	74	60.00	214.48	978,044.226	− 64.13	
1960	8	43.09	78	25.05	272.01	978,001.094	− 96.10	
1961	8	43.51	76	14.86	533.95	977,879.235	− 166.81	
1962	8	43.79	78	25.62	264.46	978,008.231	− 90.76	
1963	8	43.82	77	56.01	1044.60	977,575.600	− 370.28	
1964	8	44.01	75	0.59	221.83	978,042.657	− 64.78	
1965	8	44.16	78	26.74	245.39	978,025.520	− 77.37	
1966	8	44.25	76	14.46	544.44	977,874.364	− 169.95	
1967	8	44.57	77	55.20	1100.64	977,565.647	− 369.55	
1968	8	44.75	76	8.66	543.42	977,868.844	− 175.90	
1969	8	44.77	76	9.51	545.33	977,870.027	− 174.35	
1970	8	44.96	76	13.99	546.33	977,875.976	− 168.29	
1971	8	44.97	76	7.76	559.86	977,871.875	− 169.74	Pucoy-Pte.
1972	8	44.99	76	12.45	540.49	977,875.900	− 169.53	
1973	8	45.00	75	0.81	224.20	978,042.532	− 64.89	
1974	8	45.03	76	10.37	542.08	977,871.784	− 173.35	
1975	8	45.07	78	29.35	203.47	978,041.712	− 69.80	
1976	8	45.29	76	13.18	547.23	977,875.998	− 168.24	
1977	8	45.32	77	53.44	1316.76	977,538.819	− 354.17	
1978	8	45.32	76	11.64	540.61	977,872.216	− 173.34	
1979	8	45.46	76	10.87	542.92	977,870.505	− 174.66	Pte.
1980	8	45.49	78	37.91	155.02	978,104.349	− 16.84	
1981	8	45.58	76	7.92	556.48	977,869.267	− 173.29	
1982	8	45.69	77	53.24	1375.43	977,537.082	− 344.52	Yungaypampa
1983	8	46.16	75	0.76	206.22	978,047.771	− 63.70	
1984	8	46.35	76	7.76	552.51	977,869.902	− 173.78	
1985	8	46.62	78	32.58	155.84	978,072.858	− 48.68	
1986	8	46.76	75	0.99	205.56	978,047.465	− 64.40	
1987	8	47.02	78	38.25	100.11	978,115.769	− 16.86	
1988	8	47.03	76	8.12	550.36	977,873.065	− 171.35	
1989	8	47.55	75	1.61	225.71	978,042.443	− 65.84	
1990	8	47.59	77	52.95	1294.61	977,522.339	− 376.04	
1991	8	47.78	76	8.00	548.86	977,874.546	− 170.50	
1992	8	47.93	78	32.88	173.25	978,070.854	− 47.87	Vinzos-Had.
1993	8	48.18	75	1.85	226.03	978,042.015	− 66.49	
1994	8	48.28	76	7.71	553.63	977,874.204	− 170.13	
1995	8	48.44	75	2.30	231.04	978,040.719	− 66.92	
1996	8	48.46	77	52.63	1287.38	977,516.138	− 384.06	
1997	8	48.61	78	33.34	197.28	978,071.928	− 42.40	
1998	8	48.65	77	51.13	1462.72	977,486.885	− 378.85	
1999	8	48.88	76	7.50	559.71	977,872.522	− 170.90	
2000	8	48.89	77	50.11	1643.64	977,438.819	− 391.35	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2001	8	48.89	77	50.88	1554.36	977,469.844	− 377.93	
2002	8	48.95	77	51.66	1377.03	977,501.078	− 381.68	Huallanca
2003	8	49.26	78	33.15	183.89	978,078.574	− 38.67	
2004	8	49.43	76	7.26	565.41	977,870.119	− 172.43	
2005	8	49.44	75	3.66	227.54	978,041.097	− 67.69	
2006	8	49.51	75	3.10	223.53	978,042.221	− 67.38	
2007	8	49.54	75	4.68	261.71	978,036.215	− 65.92	
2008	8	49.62	75	13.65	259.10	978,023.822	− 78.86	
2009	8	49.70	77	49.67	1698.74	977,418.006	− 401.66	
2010	8	49.84	75	12.76	212.66	978,034.947	− 76.93	San-Alejandro-Pte.
2011	8	49.94	75	14.18	259.59	978,021.684	− 81.05	
2012	8	50.07	75	11.92	248.13	978,029.559	− 75.47	
2013	8	50.29	78	39.05	10.66	978,138.319	− 13.29	
2014	8	50.29	75	15.03	259.28	978,019.989	− 82.96	
2015	8	50.30	75	5.18	285.52	978,032.927	− 64.89	
2016	8	50.38	76	7.01	564.83	977,868.735	− 174.36	
2017	8	50.47	75	11.32	287.75	978,022.886	− 74.57	
2018	8	50.72	75	16.02	256.48	978,019.472	− 84.22	
2019	8	50.77	78	33.40	143.17	978,091.727	− 34.18	
2020	8	50.83	75	6.26	241.16	978,043.115	− 63.63	
2021	8	50.88	75	5.46	295.47	978,031.795	− 64.34	
2022	8	50.92	77	49.23	1753.74	977,387.875	− 421.49	
2023	8	50.93	75	9.93	327.39	978,017.735	− 72.17	
2024	8	50.97	75	6.92	291.07	978,031.396	− 65.64	
2025	8	51.08	75	10.83	274.92	978,027.184	− 73.06	
2026	8	51.08	76	6.83	557.02	977,870.444	− 174.50	
2027	8	51.13	75	9.33	313.38	978,022.420	− 70.32	
2028	8	51.14	75	17.00	264.16	978,016.123	− 86.26	
2029	8	51.58	75	8.52	320.32	978,022.976	− 68.61	
2030	8	51.66	75	7.55	294.37	978,030.522	− 66.18	
2031	8	51.73	75	17.74	270.00	978,013.061	− 88.45	
2032	8	51.85	76	6.57	571.17	977,866.238	− 176.29	
2033	8	52.01	78	33.48	106.85	978,098.407	− 35.18	
2034	8	52.17	77	49.72	1862.52	977,407.131	− 381.32	
2035	8	52.40	75	18.26	264.93	978,013.445	− 89.36	
2036	8	52.61	76	6.24	569.57	977,867.311	− 175.88	
2037	8	52.80	77	49.91	1868.39	977,416.345	− 371.24	
2038	8	52.97	78	38.51	0.00	978,147.580	− 7.35	
2039	8	53.02	75	18.93	267.39	978,011.707	− 90.91	
2040	8	53.06	75	19.10	265.01	978,010.739	− 92.36	
2041	8	53.34	76	6.11	573.13	977,867.052	− 175.77	
2042	8	53.45	78	33.89	81.43	978,109.667	− 29.55	Rincona
2043	8	53.47	75	19.52	277.38	978,005.845	− 95.02	
2044	8	53.70	77	50.61	1898.94	977,428.440	− 353.52	
2045	8	54.01	78	38.31	3.47	978,149.795	− 4.93	
2046	8	54.02	75	20.28	272.29	978,004.641	− 97.47	
2047	8	54.12	76	5.89	577.56	977,868.093	− 174.22	
2048	8	54.50	75	21.09	280.55	978,000.022	− 100.69	
2049	8	54.76	77	50.77	1984.19	977,422.766	− 342.83	
2050	8	54.89	76	5.68	579.45	977,868.667	− 173.63	Pte.

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2051	8	55.41	75	22.31	294.31	977,993.887	− 104.55	
2052	8	55.51	76	6.06	574.89	977,870.352	− 173.12	
2053	8	55.64	77	50.59	2023.96	977,414.760	− 343.38	
2054	8	55.81	75	22.82	298.92	977,989.349	− 108.37	
2055	8	55.82	78	37.92	15.41	978,157.921	4.70	
2056	8	55.91	78	34.31	52.77	978,125.442	− 20.51	
2057	8	56.03	76	6.73	570.93	977,870.706	− 173.79	Pte.
2058	8	56.57	75	23.28	262.00	977,995.337	− 109.96	San-Pedro-de-Chio-Pte.
2059	8	56.75	76	6.26	608.52	977,863.783	− 173.66	
2060	8	56.77	78	33.89	67.81	978,120.658	− 22.75	
2061	8	56.90	77	50.13	2044.42	977,408.094	− 346.58	
2062	8	56.96	75	23.54	288.81	977,988.504	− 111.73	
2063	8	57.38	75	24.12	304.51	977,982.610	− 114.74	
2064	8	57.48	76	5.96	612.67	977,862.434	− 174.54	
2065	8	57.75	75	24.59	324.07	977,976.683	− 117.00	
2066	8	57.97	77	50.32	2080.76	977,406.606	− 341.38	
2067	8	58.16	75	25.37	342.83	977,970.252	− 119.95	
2068	8	58.19	76	5.54	618.55	977,861.065	− 175.08	
2069	8	58.57	75	25.85	349.26	977,967.784	− 121.35	
2070	8	58.60	75	26.64	300.16	977,976.998	− 121.77	
2071	8	58.83	76	5.19	596.28	977,865.982	− 174.83	Pte.
2072	8	59.31	77	49.13	2089.54	977,400.423	− 346.45	Coquechanca-Pte.
2073	8	59.37	75	27.10	348.11	977,965.659	− 124.06	
2074	8	59.55	76	4.74	608.78	977,863.677	− 175.01	Angashaco
2075	8	59.83	75	27.99	333.50	977,967.098	− 125.70	
2076	9	0.14	75	28.77	285.19	977,975.669	− 126.74	
2077	9	0.34	77	48.87	2180.12	977,385.895	− 343.54	
2078	9	0.51	76	4.34	602.32	977,865.238	− 175.17	
2079	9	0.62	78	32.96	64.17	978,126.810	− 19.09	
2080	9	0.62	75	29.24	331.86	977,964.751	− 128.74	
2081	9	1.25	76	4.02	598.92	977,867.157	− 174.26	Pte.
2082	9	1.31	77	49.07	2240.75	977,384.857	− 333.02	
2083	9	1.38	75	29.23	349.17	977,960.838	− 129.61	
2084	9	1.99	75	29.20	354.32	977,959.649	− 130.08	
2085	9	2.04	76	4.04	591.20	977,866.159	− 177.14	
2086	9	2.27	75	30.36	292.53	977,971.970	− 129.99	Aguaytia-Pte.
2087	9	2.44	75	30.29	287.03	977,973.463	− 129.66	
2088	9	2.49	77	48.87	2262.24	977,380.886	− 333.29	Yanachaca
2089	9	2.61	76	4.57	583.26	977,866.708	− 178.42	
2090	9	2.77	78	34.21	25.62	978,148.190	− 6.26	
2091	9	2.83	77	48.37	2255.68	977,380.332	− 335.30	Caraz
2092	9	3.00	75	30.53	345.73	977,960.251	− 131.63	
2093	9	3.11	77	47.93	2227.92	977,382.045	− 339.21	
2094	9	3.24	76	4.60	582.99	977,866.969	− 178.50	
2095	9	3.33	75	34.38	392.82	977,943.827	− 138.98	
2096	9	3.35	75	31.05	348.58	977,959.089	− 132.40	
2097	9	3.35	75	33.83	375.89	977,948.698	− 137.44	
2098	9	3.37	75	34.96	361.87	977,950.090	− 138.80	
2099	9	3.42	75	33.29	368.20	977,951.864	− 135.81	
2100	9	3.42	75	35.48	428.57	977,937.757	− 138.08	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2101	9	3.43	75	31.61	351.39	977,957.960	− 133.01	
2102	9	3.43	75	36.04	413.32	977,939.206	− 139.63	
2103	9	3.48	75	36.57	412.54	977,926.772	− 152.24	
2104	9	3.51	75	37.13	450.97	977,922.350	− 149.14	
2105	9	3.53	75	32.75	361.99	977,953.929	− 135.01	
2106	9	3.56	75	32.13	353.15	977,956.796	− 133.89	
2107	9	3.57	75	37.65	471.92	977,924.903	− 142.51	
2108	9	3.65	75	39.76	604.23	977,880.118	− 161.38	
2109	9	3.69	75	38.16	482.02	977,922.445	− 143.04	
2110	9	3.69	77	47.18	2244.24	977,373.640	− 344.66	
2111	9	3.75	76	4.49	587.92	977,865.839	− 178.90	
2112	9	3.80	75	38.72	508.70	977,915.052	− 145.25	
2113	9	3.84	75	39.23	550.54	977,896.220	− 155.90	
2114	9	3.92	75	40.17	669.13	977,870.501	− 158.38	
2115	9	4.25	75	40.61	744.62	977,857.469	− 156.75	
2116	9	4.32	76	4.03	590.54	977,866.923	− 177.57	
2117	9	4.43	78	35.30	4.10	978,163.919	4.49	
2118	9	4.46	75	41.68	949.46	977,821.122	− 152.95	
2119	9	4.48	75	41.12	837.79	977,843.985	− 152.04	
2120	9	4.84	75	42.09	1050.79	977,800.673	− 153.65	
2121	9	4.90	76	3.76	590.90	977,866.627	− 178.07	
2122	9	4.95	75	43.51	1248.67	977,761.192	− 154.24	
2123	9	4.97	75	42.79	1150.75	977,780.864	− 153.85	
2124	9	5.21	75	44.13	1302.21	977,749.563	− 155.45	
2125	9	5.42	77	46.40	2275.98	977,370.353	− 342.48	
2126	9	5.49	75	44.72	1375.51	977,735.820	− 154.88	
2127	9	5.61	75	45.40	1452.02	977,717.487	− 158.19	
2128	9	5.79	75	46.00	1559.66	977,692.705	− 161.84	
2129	9	6.09	75	46.61	1559.66	977,691.729	− 162.95	
2130	9	6.24	77	46.09	2298.34	977,364.535	− 344.25	
2131	9	6.36	76	3.16	595.82	977,865.619	− 178.79	
2132	9	6.38	75	47.74	1446.97	977,713.768	− 163.27	
2133	9	6.47	75	47.08	1499.66	977,704.132	− 162.56	
2134	9	6.58	75	48.19	1419.93	977,717.924	− 164.54	
2135	9	6.80	75	48.86	1388.49	977,723.216	− 165.54	
2136	9	7.04	75	49.58	1362.64	977,728.122	− 165.84	
2137	9	7.06	76	2.81	600.63	977,864.693	− 179.11	
2138	9	7.22	75	50.18	1325.64	977,733.915	− 167.42	
2139	9	7.27	77	45.53	2421.78	977,344.881	− 339.94	
2140	9	7.45	75	50.85	1325.46	977,734.251	− 167.23	
2141	9	7.51	76	2.86	602.72	977,863.829	− 179.77	
2142	9	7.59	78	31.64	15.05	978,151.679	− 7.10	
2143	9	7.69	75	51.44	1332.35	977,731.532	− 168.70	
2144	9	7.93	76	2.75	605.68	977,865.762	− 177.46	
2145	9	7.97	77	44.94	2494.70	977,332.900	− 337.80	Pampaca
2146	9	8.01	75	52.06	1286.42	977,740.605	− 168.83	
2147	9	8.27	76	1.90	613.43	977,864.172	− 177.69	
2148	9	8.30	76	2.48	608.98	977,863.931	− 178.81	
2149	9	8.31	75	52.65	1225.83	977,752.011	− 169.50	
2150	9	8.44	76	1.41	617.63	977,862.244	− 178.87	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2151	9	8.47	78	30.73	24.64	978,145.139	− 12.17	
2152	9	8.49	75	53.28	1153.38	977,769.387	− 166.46	
2153	9	8.57	77	43.84	2537.09	977,322.550	− 340.03	Yungay
2154	9	8.71	75	54.00	1060.99	977,785.146	− 168.99	
2155	9	8.95	76	0.32	635.04	977,858.861	− 179.08	
2156	9	8.96	75	54.68	958.67	977,802.303	− 172.07	
2157	9	9.07	75	59.70	636.08	977,859.056	− 178.73	
2158	9	9.13	75	58.99	655.69	977,858.410	− 175.56	
2159	9	9.18	75	58.63	645.63	977,860.443	− 175.52	Tulumayo-Pte.
2160	9	9.21	75	55.27	978.08	977,795.585	− 175.09	
2161	9	9.49	75	55.79	888.81	977,812.349	− 176.00	
2162	9	9.71	77	43.63	2520.49	977,325.565	− 340.84	
2163	9	9.79	75	56.28	814.52	977,826.426	− 176.67	
2164	9	10.17	78	28.79	9.95	978,146.666	− 14.32	
2165	9	10.31	75	56.91	738.66	977,841.193	− 177.04	
2166	9	10.78	75	57.26	652.46	977,858.555	− 176.83	
2167	9	10.93	78	28.09	18.33	978,141.457	− 18.25	
2168	9	11.24	77	42.69	2507.28	977,325.499	− 344.25	
2169	9	11.41	75	57.72	643.18	977,858.127	− 179.38	Pumahuasi-Pte.
2170	9	11.73	77	42.00	2486.64	977,328.190	− 345.88	
2171	9	11.96	75	58.19	645.37	977,858.873	− 178.46	
2172	9	11.98	78	27.32	74.75	978,131.138	− 18.03	
2173	9	12.33	75	58.86	626.27	977,863.312	− 177.94	
2174	9	12.55	77	41.15	2466.64	977,326.574	− 351.85	
2175	9	12.55	75	59.52	633.69	977,861.510	− 178.40	
2176	9	13.33	78	26.85	60.02	978,138.348	− 14.34	
2177	9	13.35	75	59.76	648.10	977,857.953	− 179.50	
2178	9	13.56	77	40.92	2492.05	977,320.380	− 353.49	
2179	9	14.11	76	0.02	636.31	977,859.357	− 180.78	
2180	9	14.51	77	40.52	2508.39	977,315.644	− 355.44	
2181	9	14.68	78	26.38	25.20	978,159.368	− 0.78	
2182	9	14.97	76	0.09	631.09	977,859.667	− 181.90	
2183	9	15.41	77	40.63	2568.12	977,312.305	− 347.37	
2184	9	15.71	78	25.36	15.02	978,171.236	8.61	
2185	9	15.71	75	59.69	634.40	977,860.802	− 180.47	
2186	9	16.09	77	39.98	2582.05	977,307.509	− 349.73	La-Toma
2187	9	16.18	77	38.99	2602.81	977,297.336	− 355.82	
2188	9	16.43	78	24.90	10.88	978,175.417	11.63	
2189	9	16.66	75	59.64	639.61	977,859.039	− 181.66	
2190	9	16.83	77	38.65	2633.16	977,292.569	− 354.88	Carhuaz
2191	9	16.97	78	24.76	47.00	978,168.873	11.90	
2192	9	17.41	76	0.02	646.17	977,855.027	− 184.75	
2193	9	17.45	77	37.65	2649.24	977,285.167	− 359.39	
2194	9	17.65	76	0.27	649.05	977,851.374	− 187.95	Tingo-Maria-AP
2195	9	17.86	78	24.50	91.65	978,153.170	4.51	
2196	9	18.05	77	36.80	2677.29	977,276.956	− 362.33	
2197	9	18.15	76	0.48	652.45	977,850.403	− 188.49	Tingo-Maria-Plaza
2198	9	18.35	76	0.31	649.73	977,852.093	− 187.43	Evangelina-Iglesia
2199	9	19.18	75	59.95	661.09	977,849.056	− 188.64	
2200	9	19.25	77	36.03	2726.50	977,270.265	− 359.83	Marcara

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2201	9	19.48	78	24.12	148.82	978,137.898	− 0.35	
2202	9	19.92	75	59.64	665.89	977,845.929	− 191.18	
2203	9	20.25	77	35.52	2726.88	977,267.572	− 362.93	
2204	9	20.60	75	59.17	672.56	977,838.790	− 197.33	
2205	9	21.33	75	58.86	675.79	977,836.539	− 199.30	
2206	9	21.74	77	34.99	2757.70	977,265.703	− 359.40	
2207	9	21.93	75	58.26	682.15	977,831.922	− 202.96	
2208	9	22.57	78	23.00	10.08	978,155.128	− 11.76	
2209	9	22.62	75	57.91	699.43	977,826.473	− 205.35	
2210	9	22.86	77	34.68	2761.86	977,263.173	− 361.65	
2211	9	23.41	75	57.79	693.67	977,825.477	− 207.86	
2212	9	23.62	77	34.28	2803.56	977,258.905	− 358.00	
2213	9	23.92	78	22.34	3.56	978,153.344	− 15.47	
2214	9	24.25	75	57.70	700.32	977,822.891	− 209.54	
2215	9	24.65	77	33.71	2882.87	977,242.842	− 358.82	Paltay
2216	9	25.03	75	57.73	712.48	977,818.343	− 212.08	Gambillo-chico
2217	9	25.30	77	32.96	2856.99	977,241.326	− 365.79	
2218	9	25.74	78	21.47	6.26	978,154.691	− 14.48	
2219	9	25.78	75	57.81	718.60	977,816.023	− 213.56	
2220	9	25.88	78	10.76	277.93	978,039.278	− 76.78	
2221	9	26.12	77	32.74	2881.91	977,233.467	− 369.10	
2222	9	26.20	78	9.50	321.15	978,017.583	− 90.17	
2223	9	26.21	78	11.71	232.34	978,059.480	− 65.67	
2224	9	26.53	75	57.61	727.44	977,810.578	− 217.64	
2225	9	26.61	78	12.97	178.43	978,079.017	− 56.88	
2226	9	26.78	78	20.73	11.25	978,150.386	− 18.31	
2227	9	26.97	78	13.46	131.57	978,092.195	− 53.05	
2228	9	27.24	75	57.26	735.83	977,805.786	− 221.13	
2229	9	27.28	77	32.17	2917.82	977,226.524	− 369.47	
2230	9	27.38	78	14.02	108.90	978,103.280	− 46.60	
2231	9	27.51	78	8.66	400.66	977,995.227	− 97.58	
2232	9	27.52	78	19.38	20.33	978,145.155	− 22.13	
2233	9	27.84	78	15.03	69.19	978,120.179	− 37.70	
2234	9	27.95	75	56.90	742.80	977,806.265	− 219.63	
2235	9	28.24	78	17.77	47.23	978,131.765	− 30.61	
2236	9	28.30	77	32.11	2935.71	977,225.220	− 367.72	Monterrey
2237	9	28.34	78	18.18	38.85	978,137.083	− 26.98	Casma
2238	9	28.58	78	17.48	49.50	978,131.895	− 30.20	
2239	9	28.66	75	56.46	774.24	977,798.397	− 221.67	Cayumba-Pte.
2240	9	28.73	78	6.95	520.45	977,971.749	− 98.16	
2241	9	28.80	78	16.77	58.64	978,127.427	− 32.98	
2242	9	29.00	78	16.30	61.93	978,123.386	− 36.48	Carrizales-Pte.
2243	9	29.25	78	5.76	607.27	977,946.110	− 107.02	
2244	9	29.41	75	56.10	774.24	977,798.477	− 221.95	
2245	9	29.65	77	32.04	2995.66	977,222.812	− 358.88	Vichay
2246	9	29.76	78	4.84	715.30	977,916.958	− 115.22	
2247	9	30.07	78	4.05	630.15	977,926.487	− 122.56	
2248	9	30.50	77	59.70	730.73	977,851.439	− 178.07	Yautan-Plaza
2249	9	30.63	78	3.40	560.82	977,937.134	− 125.79	
2250	9	30.69	78	1.29	648.71	977,902.840	− 142.86	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2251	9	30.70	77	31.83	3028.81	977,216.175	− 359.44	
2252	9	30.73	78	0.76	700.30	977,887.022	− 148.57	
2253	9	30.76	78	2.25	569.72	977,926.027	− 135.21	
2254	9	31.04	77	59.13	711.70	977,867.950	− 165.56	
2255	9	31.40	77	32.00	3023.52	977,221.815	− 355.19	Rio-Santa-Huaraz
2256	9	31.50	77	32.58	3153.64	977,199.127	− 352.06	Cochac
2257	9	31.54	77	31.71	3051.66	977,213.267	− 358.22	
2258	9	31.73	77	58.96	660.27	977,875.312	− 168.63	
2259	9	31.74	78	16.46	159.98	978,117.998	− 24.02	
2260	9	31.78	77	46.25	2293.14	977,431.825	− 290.25	
2261	9	31.80	77	33.16	3233.33	977,189.176	− 346.31	
2262	9	31.83	77	57.21	797.82	977,831.204	− 185.78	
2263	9	31.91	77	56.05	890.37	977,798.674	− 200.16	
2264	9	31.99	77	32.68	3304.64	977,174.272	− 347.11	
2265	9	32.08	77	46.23	2404.92	977,418.658	− 281.43	
2266	9	32.29	77	54.87	984.02	977,774.706	− 205.91	
2267	9	32.29	77	45.94	2519.12	977,401.145	− 276.41	
2268	9	32.30	77	43.78	2894.31	977,308.778	− 294.34	
2269	9	32.31	77	33.14	3450.27	977,157.371	− 335.18	
2270	9	32.32	77	46.54	2163.49	977,461.552	− 286.45	Chacchan
2271	9	32.50	77	50.93	1501.11	977,630.264	− 248.65	
2272	9	32.59	77	37.10	4217.28	977,035.985	− 303.62	Punta-Callan
2273	9	32.61	77	37.35	4085.92	977,068.706	− 297.17	
2274	9	32.63	77	44.56	2699.49	977,365.713	− 276.24	
2275	9	32.64	77	37.05	4179.32	977,046.386	− 300.83	
2276	9	32.66	77	52.10	1362.34	977,672.418	− 233.92	
2277	9	32.69	77	49.52	1763.07	977,561.834	− 265.49	
2278	9	32.75	77	47.35	2015.95	977,498.002	− 279.39	Rurashca
2279	9	32.81	77	48.34	1919.57	977,534.394	− 262.07	
2280	9	32.83	77	53.95	1065.69	977,757.654	− 207.17	
2281	9	32.83	77	50.20	1611.98	977,599.998	− 257.21	
2282	9	32.84	77	38.08	3911.89	977,104.449	− 296.30	
2283	9	32.85	77	37.71	4017.82	977,082.971	− 296.63	
2284	9	32.88	77	44.20	2801.12	977,341.428	− 280.48	Llanca
2285	9	32.88	77	34.14	3601.32	977,130.436	− 332.29	
2286	9	32.91	77	45.11	2618.28	977,384.535	− 273.67	
2287	9	32.91	77	40.36	3493.43	977,181.785	− 302.46	
2288	9	32.92	77	34.88	3687.76	977,120.281	− 325.23	
2289	9	32.94	77	33.64	3505.11	977,145.482	− 336.45	
2290	9	33.02	77	35.47	3746.77	977,106.151	− 327.64	
2291	9	33.02	77	38.50	3826.37	977,124.726	− 293.18	
2292	9	33.08	77	52.64	1281.52	977,707.531	− 214.93	
2293	9	33.13	77	43.37	2999.75	977,297.984	− 284.60	
2294	9	33.14	77	39.71	3565.56	977,162.281	− 307.70	
2295	9	33.15	77	39.08	3733.84	977,146.205	− 290.23	
2296	9	33.20	77	41.20	3414.73	977,211.062	− 289.00	Yupash
2297	9	33.21	77	36.56	4125.32	977,050.128	− 308.16	
2298	9	33.23	77	42.88	3079.01	977,273.061	− 293.81	
2299	9	33.26	77	41.76	3330.06	977,225.699	− 291.25	
2300	9	33.28	78	15.61	190.83	978,112.924	− 23.81	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2301	9	33.32	77	42.47	3215.84	977,251.226	− 288.48	
2302	9	33.37	77	33.86	3559.85	977,134.653	− 336.58	Carhuasirca
2303	9	33.37	77	35.57	3841.06	977,098.515	− 316.63	
2304	9	33.37	77	35.78	3943.21	977,079.072	− 315.68	
2305	9	33.42	77	53.31	1239.30	977,728.529	− 202.42	Pariacoto
2306	9	33.59	77	36.23	4040.66	977,061.882	− 313.51	
2307	9	33.81	77	53.68	1168.34	977,745.473	− 199.63	
2308	9	34.15	77	31.77	3099.97	977,214.744	− 348.42	Tocla
2309	9	34.69	78	15.12	233.37	978,107.729	− 21.37	
2310	9	34.81	77	31.18	3118.47	977,210.566	− 349.24	
2311	9	35.51	77	30.67	3139.87	977,205.154	− 350.74	Sihuipampa
2312	9	36.15	78	15.29	228.13	978,117.466	− 13.38	
2313	9	36.26	77	30.38	3169.19	977,199.675	− 350.76	
2314	9	37.36	77	29.79	3227.23	977,185.404	− 354.04	
2315	9	37.50	78	15.29	193.16	978,135.716	− 2.64	
2316	9	38.73	77	29.04	3259.51	977,177.220	− 356.47	
2317	9	38.73	76	43.09	2958.73	977,269.320	− 324.18	Tingo-chico-Pte.
2318	9	38.91	78	15.56	161.67	978,156.888	11.67	
2319	9	39.01	76	43.57	3017.15	977,257.972	− 324.06	
2320	9	39.20	76	42.95	2962.48	977,268.628	− 324.36	Tingo-chico-Pte.
2321	9	39.45	76	44.03	3087.71	977,244.424	− 323.80	
2322	9	39.82	76	42.94	2967.65	977,265.081	− 327.19	
2323	9	39.84	77	28.67	3292.64	977,171.279	− 356.37	
2324	9	39.95	76	44.01	3136.79	977,236.943	− 321.77	
2325	9	40.34	78	16.27	130.46	978,183.650	31.61	
2326	9	40.54	76	42.68	2970.62	977,266.179	− 325.85	
2327	9	40.64	76	44.13	3200.07	977,226.018	− 320.45	
2328	9	41.05	78	16.70	58.88	978,204.894	38.49	
2329	9	41.10	76	44.34	3270.68	977,213.135	− 319.51	
2330	9	41.21	76	42.08	2977.05	977,262.929	− 328.16	
2331	9	41.32	77	27.72	3348.15	977,161.522	− 355.82	
2332	9	41.39	76	45.00	3322.23	977,199.950	− 322.59	
2333	9	41.61	76	45.84	3415.22	977,183.150	− 320.98	
2334	9	41.78	76	41.44	2981.51	977,260.370	− 330.12	
2335	9	42.02	77	27.48	3392.52	977,156.777	− 352.08	
2336	9	42.17	76	40.62	2986.07	977,260.121	− 329.65	
2337	9	42.22	76	46.22	3444.83	977,176.520	− 322.02	Pachas-Plaza
2338	9	42.54	76	46.25	3429.69	977,179.647	− 322.06	
2339	9	42.54	76	39.82	3000.85	977,258.424	− 328.60	
2340	9	43.06	77	27.22	3393.92	977,155.867	− 353.23	
2341	9	43.15	76	46.22	3357.08	977,192.300	− 324.17	
2342	9	43.15	76	39.39	3023.14	977,254.639	− 328.26	Hualhuas
2343	9	43.33	78	15.89	76.38	978,199.544	35.42	
2344	9	43.72	76	46.16	3296.84	977,202.102	− 326.65	
2345	9	43.77	78	15.28	122.00	978,187.559	32.15	
2346	9	43.89	76	39.20	3047.92	977,251.976	− 326.37	
2347	9	43.97	76	46.56	3237.96	977,210.002	− 330.59	
2348	9	43.97	77	26.84	3416.74	977,149.663	− 355.34	
2349	9	44.48	76	46.89	3180.11	977,218.591	− 333.77	
2350	9	44.53	76	39.19	3041.34	977,251.396	− 328.58	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2351	9	45.06	76	39.16	3032.90	977,251.453	− 330.46	
2352	9	45.21	76	47.34	3111.88	977,227.216	− 339.07	
2353	9	45.24	77	26.53	3455.66	977,145.023	− 352.87	Ticapampa
2354	9	45.58	76	47.99	3123.34	977,216.054	− 348.14	Cupashuaro
2355	9	45.66	76	39.38	3043.96	977,247.578	− 332.44	
2356	9	45.74	76	5.31	2334.14	977,511.822	− 209.06	
2357	9	45.79	78	14.15	62.70	978,197.363	29.33	
2358	9	45.89	76	48.09	3127.59	977,209.728	− 353.78	
2359	9	46.12	76	39.59	3051.62	977,249.731	− 329.00	
2360	9	46.33	78	13.13	49.64	978,189.137	18.28	
2361	9	46.34	76	5.43	2251.00	977,527.874	− 209.77	
2362	9	46.46	77	26.28	3487.11	977,141.547	− 350.69	Cayac
2363	9	46.79	76	39.32	3058.97	977,246.697	− 330.91	
2364	9	46.88	76	48.24	3142.62	977,206.867	− 354.15	
2365	9	47.28	76	4.82	2138.75	977,548.499	− 211.83	
2366	9	47.40	76	38.90	3126.12	977,238.417	− 326.14	
2367	9	47.41	77	26.07	3517.24	977,137.713	− 349.00	
2368	9	47.63	76	48.24	3165.43	977,198.908	− 357.95	
2369	9	47.85	76	4.16	2110.10	977,552.417	− 213.87	Acomayo
2370	9	47.90	78	10.71	79.33	978,171.346	5.51	
2371	9	47.98	76	38.66	3188.85	977,228.159	− 324.22	
2372	9	48.39	77	25.48	3565.91	977,128.839	− 348.67	Catac
2373	9	48.41	76	3.66	2114.29	977,553.612	− 212.13	
2374	9	48.42	76	47.86	3194.69	977,196.278	− 355.16	Quishvar
2375	9	48.66	76	38.68	3219.74	977,223.794	− 322.78	
2376	9	48.81	76	3.69	1997.98	977,572.871	− 216.07	
2377	9	49.06	77	25.03	3585.92	977,125.168	− 348.69	
2378	9	49.09	76	38.49	3277.11	977,210.609	− 324.77	
2379	9	49.31	76	4.47	1905.20	977,589.091	− 218.43	
2380	9	49.36	76	47.98	3199.55	977,195.495	− 355.45	Pte.
2381	9	49.39	76	4.78	1853.80	977,593.934	− 223.79	
2382	9	49.42	78	10.91	191.31	978,160.037	15.35	
2383	9	49.57	76	47.95	3203.82	977,195.289	− 354.91	La-Union-Plaza
2384	9	49.63	76	5.49	1787.57	977,599.415	− 231.51	
2385	9	49.71	76	38.00	3340.21	977,202.808	− 320.32	
2386	9	49.83	77	24.61	3657.10	977,114.661	− 345.39	
2387	9	49.99	76	6.39	1810.75	977,590.634	− 235.89	
2388	9	50.11	76	35.70	3369.31	977,202.622	− 314.92	
2389	9	50.12	76	7.94	1816.69	977,592.336	− 233.08	
2390	9	50.15	76	7.26	1809.41	977,590.316	− 236.56	
2391	9	50.16	76	37.71	3376.99	977,199.666	− 316.37	
2392	9	50.23	76	48.38	3220.60	977,186.761	− 360.43	
2393	9	50.29	76	37.10	3420.32	977,191.139	− 316.33	
2394	9	50.32	77	3.19	4251.01	976,970.777	− 370.92	
2395	9	50.36	76	35.86	3363.98	977,202.239	− 316.49	
2396	9	50.39	76	8.45	1855.34	977,585.967	− 231.96	Taulligan
2397	9	50.48	77	3.63	4303.07	976,963.220	− 368.14	
2398	9	50.49	77	4.04	4353.04	976,956.613	− 364.75	
2399	9	50.51	76	36.17	3428.25	977,192.437	− 313.57	
2400	9	50.52	77	4.20	4405.05	976,946.551	− 364.42	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2401	9	50.59	77	2.47	4168.41	976,986.559	− 371.79	
2402	9	50.70	76	49.02	3255.60	977,180.144	− 360.32	
2403	9	50.85	77	4.80	4609.53	976,907.871	− 362.32	
2404	9	50.86	76	36.70	3461.39	977,184.505	− 315.07	
2405	9	50.86	77	4.02	4458.98	976,934.542	− 365.81	
2406	9	50.91	77	24.03	3707.10	977,103.684	− 346.95	
2407	9	50.99	77	4.36	4524.08	976,924.715	− 362.66	
2408	9	51.00	78	10.75	216.83	978,162.134	21.65	
2409	9	51.01	77	4.72	4661.45	976,896.022	− 363.84	
2410	9	51.10	77	1.69	4108.98	977,000.079	− 370.41	
2411	9	51.10	76	9.02	1841.38	977,585.276	− 235.76	
2412	9	51.15	77	24.16	3746.95	977,100.552	− 342.25	
2413	9	51.15	76	50.21	3262.97	977,172.051	− 367.18	
2414	9	51.27	76	52.72	3344.31	977,152.321	− 370.78	
2415	9	51.30	77	5.38	4437.68	976,937.955	− 366.88	
2416	9	51.32	77	5.38	4404.06	976,945.287	− 366.29	
2417	9	51.32	76	36.43	3471.03	977,182.865	− 315.03	Chivinillo
2418	9	51.35	77	4.57	4677.95	976,892.591	− 364.14	
2419	9	51.37	76	51.08	3288.18	977,168.845	− 365.48	Torna-Pampa
2420	9	51.45	76	52.00	3317.02	977,160.134	− 368.49	Charan
2421	9	51.49	76	52.23	3331.95	977,155.907	− 369.77	
2422	9	51.51	77	4.78	4567.11	976,915.192	− 363.83	
2423	9	51.55	76	32.02	3963.95	977,101.589	− 298.10	
2424	9	51.55	76	53.08	3363.08	977,146.391	− 373.12	
2425	9	51.60	76	10.06	1916.40	977,573.323	− 233.15	
2426	9	51.62	77	1.09	4076.83	977,005.994	− 371.18	
2427	9	51.64	77	5.10	4481.55	976,929.891	− 366.33	
2428	9	51.64	76	32.80	3892.15	977,111.945	− 302.13	Ayapituq
2429	9	51.67	77	4.51	4638.05	976,900.471	− 364.42	
2430	9	51.76	76	31.26	3973.27	977,101.755	− 296.18	
2431	9	51.78	77	4.60	4606.47	976,905.935	− 365.33	
2432	9	51.79	77	4.73	4509.59	976,926.079	− 364.61	
2433	9	51.81	76	54.06	3388.24	977,138.809	− 375.82	
2434	9	51.84	76	30.71	3912.39	977,116.702	− 293.43	
2435	9	51.88	78	12.18	120.79	978,192.112	32.38	
2436	9	51.88	76	36.16	3518.57	977,172.773	− 315.93	
2437	9	51.95	76	58.37	3785.18	977,048.564	− 387.01	
2438	9	51.97	76	58.90	3873.78	977,038.934	− 378.97	
2439	9	51.97	76	33.07	3830.90	977,123.956	− 302.51	
2440	9	52.08	76	30.42	3871.09	977,125.268	− 293.24	
2441	9	52.12	76	59.45	3921.43	977,031.370	− 377.10	
2442	9	52.14	76	57.66	3694.74	977,069.084	− 384.64	
2443	9	52.15	77	0.95	4029.03	977,014.599	− 372.40	
2444	9	52.16	77	24.16	3805.78	977,093.720	− 337.86	
2445	9	52.19	76	10.66	1920.14	977,569.442	− 236.59	
2446	9	52.19	77	0.10	3999.85	977,018.894	− 373.95	Minas-huanzal
2447	9	52.24	77	5.05	4310.77	976,960.508	− 370.20	
2448	9	52.31	76	30.15	3819.49	977,133.805	− 295.11	
2449	9	52.39	76	35.79	3540.97	977,169.812	− 314.69	
2450	9	52.44	76	33.36	3765.87	977,135.411	− 304.27	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2451	9	52.48	76	54.72	3435.68	977,126.573	− 378.95	
2452	9	52.50	76	12.38	1851.53	977,578.803	− 240.94	
2453	9	52.50	76	35.54	3586.12	977,164.606	− 310.95	Puca-puca
2454	9	52.52	76	12.36	1851.53	977,578.762	− 240.99	Huanuco-AP
2455	9	52.53	76	34.96	3628.18	977,157.763	− 309.43	Cormauy
2456	9	52.54	76	12.35	1900.20	977,552.752	− 257.40	Patrocinio-Iglesia
2457	9	52.62	77	4.80	4258.36	976,971.180	− 370.21	
2458	9	52.62	76	33.97	3732.04	977,141.997	− 304.53	
2459	9	52.63	76	28.10	3217.69	977,249.973	− 299.02	
2460	9	52.66	76	12.99	1867.22	977,569.082	− 247.65	
2461	9	52.67	76	11.37	1910.86	977,567.431	− 240.68	
2462	9	52.70	76	34.39	3672.82	977,150.779	− 307.60	Iicllitambo
2463	9	52.73	76	30.04	3760.87	977,139.676	− 301.15	
2464	9	52.81	76	29.80	3614.79	977,170.361	− 299.64	
2465	9	52.81	76	57.16	3667.95	977,079.127	− 380.27	
2466	9	52.85	76	28.31	3260.40	977,240.150	− 300.46	
2467	9	52.93	76	30.00	3709.24	977,150.634	− 300.60	
2468	9	52.95	76	28.03	3196.83	977,254.097	− 299.20	
2469	9	52.96	76	26.20	2972.60	977,299.849	− 298.04	
2470	9	53.04	76	29.72	3576.69	977,176.586	− 301.13	Chasqoi
2471	9	53.06	77	24.09	3857.02	977,086.806	− 335.00	
2472	9	53.06	76	12.22	1883.08	977,570.612	− 243.19	Chalhuacqcha
2473	9	53.08	76	55.25	3465.76	977,115.202	− 384.64	
2474	9	53.11	76	25.82	2918.58	977,320.301	− 288.39	Mitocucho
2475	9	53.21	76	25.53	2866.40	977,332.160	− 286.95	
2476	9	53.22	76	57.00	3616.28	977,087.470	− 382.44	
2477	9	53.25	76	29.75	3659.80	977,159.030	− 302.22	
2478	9	53.27	76	28.64	3315.67	977,223.834	− 305.99	
2479	9	53.30	78	12.41	98.95	978,204.326	39.60	
2480	9	53.32	76	27.56	3175.50	977,258.918	− 298.81	
2481	9	53.34	76	28.94	3549.20	977,179.279	− 304.06	
2482	9	53.35	76	27.11	3133.64	977,265.847	− 300.23	
2483	9	53.39	77	4.36	4217.17	976,973.279	− 376.74	
2484	9	53.42	76	13.64	1868.28	977,562.039	− 254.86	Colpa
2485	9	53.42	76	25.94	3007.42	977,300.763	− 290.44	
2486	9	53.44	76	26.58	3072.12	977,284.765	− 293.59	
2487	9	53.59	76	25.37	2793.75	977,345.785	− 287.94	
2488	9	53.64	76	56.04	3493.40	977,109.049	− 385.56	
2489	9	53.64	76	28.43	3488.22	977,195.152	− 300.50	
2490	9	53.65	76	13.06	1918.22	977,558.970	− 248.18	
2491	9	53.65	76	24.73	2706.39	977,362.203	− 288.89	
2492	9	53.72	76	56.38	3538.01	977,103.767	− 382.00	Huayanca
2493	9	53.73	76	24.43	2618.20	977,377.841	− 290.79	
2494	9	53.75	76	28.32	3417.40	977,208.259	− 301.55	
2495	9	53.79	76	24.24	2541.80	977,391.679	− 292.13	
2496	9	53.91	76	24.03	2466.46	977,402.561	− 296.24	
2497	9	53.99	77	3.86	4159.60	976,981.683	− 380.15	
2498	9	54.03	76	23.69	2408.39	977,415.423	− 294.94	Huancapa
2499	9	54.19	76	13.48	1875.38	977,561.272	− 254.62	
2500	9	54.23	76	22.94	2308.60	977,438.155	− 292.08	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2501	9	54.32	77	23.23	3909.04	977,072.006	− 340.06	
2502	9	54.37	76	13.98	1877.32	977,558.532	− 257.07	
2503	9	54.55	76	22.31	2218.31	977,454.242	− 294.03	
2504	9	54.65	76	21.92	2153.62	977,467.870	− 293.25	
2505	9	54.65	77	4.17	4091.29	976,993.803	− 382.03	
2506	9	55.02	76	18.57	2005.74	977,508.616	− 281.94	
2507	9	55.08	76	17.81	1977.65	977,516.829	− 279.31	Chanchan
2508	9	55.09	76	21.42	2081.13	977,485.051	− 290.63	Huacalli
2509	9	55.12	77	23.04	3868.73	977,083.094	− 337.43	
2510	9	55.14	76	19.53	2014.16	977,502.569	− 286.38	
2511	9	55.15	76	13.83	1885.42	977,554.701	− 259.70	
2512	9	55.22	76	20.39	2048.27	977,490.439	− 291.81	
2513	9	55.23	76	17.26	1964.87	977,522.779	− 275.96	
2514	9	55.39	77	4.74	4071.73	976,997.975	− 382.14	
2515	9	55.51	76	14.24	1893.70	977,552.191	− 260.75	Huanuco-Plaza
2516	9	55.51	76	16.62	1944.11	977,525.356	− 277.63	
2517	9	55.88	76	15.98	1928.89	977,528.865	− 277.32	
2518	9	56.03	76	15.41	1917.90	977,539.357	− 269.07	
2519	9	56.09	77	5.16	4002.63	977,011.942	− 382.34	
2520	9	56.14	77	22.77	3866.94	977,084.298	− 337.10	
2521	9	56.17	76	14.79	1899.47	977,547.202	− 264.94	Pte.
2522	9	56.59	77	5.64	3935.99	977,022.132	− 385.71	
2523	9	57.05	77	22.41	3892.45	977,084.412	− 332.35	
2524	9	57.38	76	14.70	1932.75	977,535.107	− 271.08	
2525	9	57.39	77	21.78	3939.56	977,068.247	− 339.29	
2526	9	57.51	77	5.82	3893.95	977,024.820	− 391.88	Pachapaque-Iglesia
2527	9	57.92	77	21.25	3901.74	977,076.259	− 339.10	
2528	9	57.96	77	5.80	3880.40	977,020.821	− 398.82	
2529	9	58.13	76	14.49	1936.77	977,531.992	− 273.78	
2530	9	58.70	77	6.12	3830.18	977,026.609	− 403.43	
2531	9	58.82	78	11.62	118.79	978,199.666	36.00	
2532	9	58.88	76	14.57	1938.52	977,526.470	− 279.34	
2533	9	59.04	77	20.41	3914.19	977,076.755	− 336.69	
2534	9	59.15	77	6.65	3780.69	977,034.027	− 406.12	
2535	9	59.77	77	7.68	3715.08	977,044.933	− 408.62	
2536	9	59.95	76	14.23	1956.51	977,519.859	− 282.95	
2537	10	0.28	78	10.64	54.57	978,212.207	35.23	
2538	10	0.36	77	19.83	3946.93	977,075.351	− 332.24	
2539	10	0.83	77	7.84	3663.03	977,060.912	− 403.57	
2540	10	1.26	76	13.85	1983.44	977,511.691	− 286.47	Vichaycoto
2541	10	1.27	77	19.51	3958.01	977,073.711	− 332.13	
2542	10	1.50	78	9.99	33.24	978,213.112	31.33	
2543	10	1.64	77	8.01	3535.22	977,089.573	− 400.80	
2544	10	2.06	77	19.41	3981.39	977,074.845	− 326.74	
2545	10	2.12	76	13.72	1987.03	977,507.428	− 290.47	
2546	10	2.45	77	7.73	3496.41	977,095.318	− 403.21	
2547	10	2.73	76	13.39	1989.31	977,503.432	− 294.33	
2548	10	3.11	77	7.90	3483.39	977,103.134	− 398.33	
2549	10	3.44	76	13.14	2023.74	977,495.517	− 295.80	
2550	10	3.58	77	18.93	3989.05	977,077.353	− 323.48	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2551	10	3.70	77	8.18	3416.44	977,117.186	− 397.92	
2552	10	3.98	77	8.42	3361.94	977,129.038	− 397.06	
2553	10	4.00	75	32.90	823.34	977,824.767	− 203.41	Pozuzo
2554	10	4.05	77	18.66	4001.32	977,077.518	− 321.11	Conococha
2555	10	4.23	77	8.50	3336.58	977,133.632	− 397.64	Aquia-Iglesia
2556	10	4.41	76	13.04	2035.41	977,486.109	− 303.40	
2557	10	4.67	77	12.84	4198.19	977,007.108	− 352.49	
2558	10	4.67	77	18.04	4031.52	977,068.619	− 324.30	
2559	10	4.79	77	13.50	4151.70	977,021.022	− 347.94	
2560	10	4.87	77	12.24	4229.59	976,998.677	− 354.75	
2561	10	4.87	78	8.72	7.45	978,220.053	31.48	
2562	10	4.96	77	11.49	4241.99	976,991.243	− 359.75	
2563	10	5.11	77	8.93	3316.66	977,143.888	− 391.81	
2564	10	5.23	77	13.89	4113.93	977,030.813	− 345.92	
2565	10	5.29	76	12.84	2049.20	977,478.420	− 308.82	
2566	10	5.53	77	10.98	4168.19	977,003.885	− 362.16	
2567	10	5.56	77	9.16	3271.33	977,154.586	− 390.37	
2568	10	5.66	77	14.42	4082.68	977,038.361	− 344.84	
2569	10	5.73	77	9.33	3204.08	977,162.531	− 395.89	
2570	10	5.93	77	11.00	4120.17	977,013.561	− 362.29	Pte.
2571	10	6.06	77	17.28	4050.60	977,059.280	− 330.54	
2572	10	6.09	76	12.49	2049.30	977,479.134	− 308.50	
2573	10	6.23	77	15.00	4050.80	977,049.251	− 340.62	
2574	10	6.28	78	8.03	14.46	978,222.574	34.65	
2575	10	6.28	77	9.48	3164.16	977,176.888	− 389.76	
2576	10	6.33	77	11.02	4070.82	977,024.962	− 360.96	
2577	10	6.58	77	15.79	4028.19	977,056.666	− 337.90	
2578	10	6.74	77	16.31	4016.26	977,066.799	− 330.24	
2579	10	6.81	77	11.38	3972.28	977,047.453	− 358.40	
2580	10	6.86	77	10.93	4001.20	977,037.126	− 362.98	
2581	10	6.87	77	9.55	3096.74	977,192.712	− 387.65	
2582	10	6.94	77	16.85	4012.24	977,075.235	− 322.71	
2583	10	7.03	77	11.11	3899.74	977,057.797	− 362.66	
2584	10	7.08	76	12.29	2059.82	977,473.938	− 312.13	Coyococha
2585	10	7.18	77	17.45	4090.29	977,064.580	− 317.89	Conococha
2586	10	7.32	77	9.31	3060.09	977,196.795	− 391.09	Ayen-Pte.
2587	10	7.45	76	12.14	2064.48	977,473.051	− 312.29	Ambo-Plaza
2588	10	7.49	77	10.66	3827.09	977,072.456	− 362.74	
2589	10	7.50	75	32.06	946.50	977,802.984	− 202.81	
2590	10	7.77	77	9.36	3070.37	977,198.521	− 387.55	
2591	10	7.84	77	10.16	3604.26	977,107.222	− 372.60	
2592	10	7.84	77	10.38	3700.42	977,093.826	− 366.83	
2593	10	7.86	77	10.58	3766.46	977,083.325	− 364.17	
2594	10	7.89	77	24.01	2778.68	977,358.817	− 285.25	
2595	10	7.99	76	11.75	2079.39	977,468.436	− 314.23	
2596	10	7.99	77	9.31	3114.01	977,192.985	− 384.52	
2597	10	8.09	77	17.91	4086.70	977,070.323	− 313.34	
2598	10	8.13	77	24.56	2650.11	977,378.086	− 291.62	
2599	10	8.13	77	9.55	3317.91	977,158.299	− 378.72	
2600	10	8.16	77	9.30	3179.59	977,182.980	− 381.57	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2601	10	8.22	77	9.97	3544.19	977,119.194	− 372.80	
2602	10	8.23	75	32.36	968.93	977,792.035	− 209.73	
2603	10	8.27	77	9.37	3254.85	977,169.731	− 379.91	
2604	10	8.42	77	25.08	2587.19	977,404.307	− 278.03	
2605	10	8.50	77	22.86	2913.49	977,321.218	− 296.41	
2606	10	8.50	77	21.59	3260.78	977,241.360	− 307.22	
2607	10	8.55	77	21.72	3159.86	977,259.174	− 309.51	
2608	10	8.56	77	9.56	3463.62	977,135.597	− 372.63	
2609	10	8.59	77	9.37	3368.46	977,153.580	− 373.62	
2610	10	8.64	77	21.09	3379.78	977,224.363	− 300.60	
2611	10	8.69	77	22.32	3011.32	977,296.675	− 301.61	
2612	10	8.77	77	26.47	2473.97	977,443.546	− 261.42	Cajatay
2613	10	8.87	78	5.94	139.06	978,193.645	28.75	
2614	10	8.87	77	18.78	3917.40	977,109.978	− 307.91	
2615	10	8.92	77	9.25	3374.48	977,153.987	− 372.18	Chiquian
2616	10	8.93	76	11.32	2125.86	977,458.776	− 315.20	
2617	10	9.00	77	28.89	2000.28	977,555.004	− 243.84	
2618	10	9.02	77	26.94	2260.38	977,471.989	− 275.41	
2619	10	9.04	77	28.38	2056.97	977,539.014	− 248.64	Pardo-Pte.
2620	10	9.09	77	18.86	4010.19	977,090.460	− 309.01	
2621	10	9.18	77	20.18	3503.93	977,194.565	− 305.95	
2622	10	9.26	77	19.35	3813.72	977,130.921	− 307.87	
2623	10	9.26	77	27.64	2188.34	977,512.359	− 249.42	Colca
2624	10	9.32	77	27.08	2248.32	977,492.488	− 257.45	
2625	10	9.38	77	31.42	1596.61	977,665.318	− 213.43	
2626	10	9.54	77	19.94	3713.05	977,150.367	− 308.65	
2627	10	9.57	77	20.17	3599.15	977,170.993	− 310.75	
2628	10	9.98	78	4.81	210.95	978,177.150	25.75	
2629	10	10.04	76	11.26	2169.38	977,446.296	− 319.64	
2630	10	10.31	77	32.44	1455.64	977,710.804	− 196.23	
2631	10	10.73	76	10.62	2204.76	977,438.483	− 320.82	
2632	10	10.89	75	34.40	1183.72	977,733.858	− 227.04	
2633	10	11.02	77	33.18	1326.00	977,742.376	− 190.57	Chaucayan
2634	10	11.14	78	3.61	199.71	978,177.264	23.06	
2635	10	11.29	76	9.82	2262.07	977,431.247	− 317.00	
2636	10	11.96	76	9.65	2323.34	977,416.219	− 320.25	
2637	10	12.04	75	35.14	1183.98	977,700.800	− 260.65	
2638	10	12.57	78	2.72	111.60	978,194.949	22.75	
2639	10	12.62	76	9.35	2355.46	977,405.691	− 324.76	
2640	10	13.51	76	9.32	2409.07	977,394.576	− 325.73	
2641	10	14.32	76	9.18	2477.59	977,377.864	− 329.29	
2642	10	14.40	75	33.94	1282.57	977,676.834	− 266.44	
2643	10	14.91	77	34.37	1078.51	977,813.170	− 170.54	
2644	10	15.14	76	8.91	2531.43	977,366.740	− 330.17	
2645	10	15.93	75	33.14	1387.90	977,657.917	− 265.41	
2646	10	16.01	76	9.21	2570.05	977,355.587	− 334.13	
2647	10	16.05	77	34.78	908.41	977,863.628	− 154.13	
2648	10	16.57	75	32.33	1436.39	977,669.870	− 244.24	Rio-Tunki
2649	10	16.83	76	9.44	2606.75	977,349.878	− 332.99	
2650	10	17.25	77	35.61	818.79	977,891.473	− 144.52	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2651	10	17.72	78	2.69	10.23	978,219.067	24.32	
2652	10	17.93	76	9.70	2621.20	977,345.692	− 334.89	
2653	10	17.99	77	36.05	762.28	977,911.050	− 136.44	
2654	10	18.53	76	10.46	2645.53	977,340.150	− 335.93	
2655	10	18.93	75	32.32	1548.40	977,640.036	− 253.24	
2656	10	18.96	77	37.18	745.02	977,925.508	− 125.88	Chasquitambo
2657	10	19.24	77	37.59	707.34	977,934.832	− 124.11	
2658	10	19.57	76	10.50	2714.34	977,325.676	− 337.30	
2659	10	19.72	77	37.42	629.23	977,952.519	− 122.01	
2660	10	20.09	76	10.87	2693.81	977,325.553	− 341.77	San-Rafael-Plaza
2661	10	20.21	77	37.57	574.02	977,966.496	− 119.12	
2662	10	20.32	76	10.86	2694.44	977,323.377	− 343.95	
2663	10	20.46	78	2.42	50.33	978,211.866	23.52	
2664	10	20.65	75	32.57	1593.66	977,618.310	− 266.95	
2665	10	21.09	76	10.76	2722.56	977,312.671	− 349.48	
2666	10	21.14	78	1.10	48.57	978,212.087	23.03	
2667	10	21.15	77	38.77	484.40	978,000.097	− 103.60	
2668	10	22.01	75	32.84	1657.35	977,602.763	− 270.66	
2669	10	22.01	76	11.76	2731.17	977,299.504	− 361.43	
2670	10	22.30	78	3.39	27.93	978,217.744	24.03	
2671	10	22.50	75	32.89	1680.24	977,598.384	− 270.78	Tingo
2672	10	22.75	77	40.59	415.87	978,027.733	− 90.25	
2673	10	23.13	76	12.36	2787.35	977,285.462	− 364.91	
2674	10	23.44	77	59.08	6.63	978,221.767	23.28	
2675	10	23.53	77	41.56	357.53	978,051.274	− 78.56	
2676	10	23.68	76	13.46	2884.86	977,261.211	− 370.10	
2677	10	23.73	75	32.25	1701.32	977,597.532	− 268.13	
2678	10	24.21	77	42.06	351.00	978,061.034	− 70.44	Chaura
2679	10	24.26	77	57.85	74.68	978,208.583	22.97	
2680	10	24.65	76	13.77	3022.23	977,235.465	− 369.07	
2681	10	24.84	75	31.62	1707.12	977,595.598	− 269.51	
2682	10	25.11	77	56.73	205.23	978,181.967	21.46	
2683	10	25.15	77	42.78	293.75	978,080.621	− 62.58	
2684	10	25.27	77	55.34	246.69	978,169.908	17.43	
2685	10	25.28	75	31.32	1752.17	977,590.977	− 265.47	Escuela-Huancabamba
2686	10	25.73	76	14.00	3143.25	977,208.992	− 372.06	
2687	10	26.24	75	30.46	1749.81	977,591.949	− 265.48	
2688	10	26.54	77	43.71	233.17	978,105.628	− 50.18	
2689	10	26.70	76	13.57	3269.18	977,188.436	− 368.08	
2690	10	26.89	75	30.10	1745.88	977,596.040	− 262.51	
2691	10	27.36	76	12.94	3373.76	977,177.610	− 358.45	Huichispin
2692	10	27.43	75	29.47	1743.60	977,599.866	− 259.42	
2693	10	27.58	77	43.93	215.30	978,110.047	− 49.81	
2694	10	27.93	75	29.06	1750.34	977,600.415	− 257.81	
2695	10	27.94	76	12.93	3415.48	977,172.538	− 355.52	Junipalca
2696	10	28.48	75	28.57	1789.32	977,595.470	− 255.36	
2697	10	28.48	77	44.36	193.27	978,117.721	− 46.94	
2698	10	28.82	76	12.97	3448.43	977,167.829	− 354.14	Chauyer
2699	10	29.10	75	27.92	1776.33	977,598.306	− 255.42	
2700	10	29.15	77	44.82	194.40	978,122.186	− 42.61	Huaricanca

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2701	10	29.71	76	12.92	3469.34	977,162.561	− 355.73	Racha
2702	10	29.99	77	54.29	110.55	978,188.118	6.46	
2703	10	30.16	77	45.14	146.25	978,134.351	− 40.41	
2704	10	30.33	76	13.56	3488.61	977,155.214	− 359.57	
2705	10	31.00	75	26.51	1777.64	977,600.453	− 254.04	
2706	10	31.28	77	45.40	126.24	978,146.381	− 32.90	
2707	10	31.28	77	53.47	87.54	978,189.687	2.83	
2708	10	31.32	76	14.04	3537.60	977,142.774	− 362.78	Pachacrhuay
2709	10	31.57	75	26.21	1805.19	977,595.851	− 253.51	
2710	10	31.97	77	45.32	114.62	978,148.255	− 33.68	
2711	10	32.22	76	14.21	3590.48	977,132.158	− 363.34	
2712	10	32.56	77	45.37	90.75	978,159.312	− 27.61	
2713	10	32.59	76	14.89	3642.95	977,120.439	− 364.80	
2714	10	32.89	77	52.91	70.20	978,197.573	6.45	
2715	10	32.97	75	25.54	1802.18	977,596.249	− 254.46	
2716	10	33.38	76	16.03	3743.93	977,094.977	− 370.55	
2717	10	33.50	75	24.85	1806.57	977,597.865	− 252.26	
2718	10	33.67	77	45.40	92.10	978,160.739	− 26.52	
2719	10	33.85	76	16.24	3808.22	977,090.581	− 362.37	
2720	10	34.11	77	52.16	95.98	978,191.164	4.43	
2721	10	34.26	75	24.43	1808.96	977,598.459	− 251.61	
2722	10	34.62	76	16.22	3851.06	977,084.206	− 360.61	Palca
2723	10	34.70	75	24.20	1813.54	977,596.928	− 252.47	Oxapampa-Plaza
2724	10	34.95	75	23.62	1832.98	977,594.505	− 251.19	
2725	10	35.07	77	45.47	64.22	978,165.968	− 27.50	
2726	10	35.47	76	15.71	3893.87	977,074.900	− 361.84	
2727	10	35.66	77	52.14	70.65	978,205.559	13.02	
2728	10	36.40	77	45.91	50.19	978,171.784	− 25.16	
2729	10	36.55	76	15.89	3942.78	977,066.848	− 360.71	
2730	10	36.75	75	22.82	1835.72	977,590.229	− 255.90	
2731	10	37.20	77	46.36	39.32	978,183.183	− 16.32	
2732	10	37.25	77	51.67	33.27	978,215.846	15.13	
2733	10	37.35	76	15.92	3991.99	977,058.159	− 360.01	
2734	10	37.37	75	23.05	1840.86	977,580.324	− 265.13	
2735	10	37.90	77	47.15	31.16	978,196.438	− 5.04	
2736	10	38.01	76	15.77	4058.96	977,045.814	− 359.33	
2737	10	38.04	75	23.25	1845.67	977,584.690	− 260.18	
2738	10	38.51	77	47.73	25.74	978,204.970	2.10	
2739	10	38.66	76	15.70	4148.99	977,029.198	− 358.31	
2740	10	38.69	76	46.48	3523.72	977,107.723	− 404.59	
2741	10	38.92	75	23.27	1771.71	977,598.239	− 261.72	
2742	10	39.34	77	47.64	26.77	978,208.454	5.33	
2743	10	39.46	76	15.61	4238.01	977,013.101	− 357.04	
2744	10	39.50	76	46.61	3593.80	977,097.789	− 401.00	
2745	10	39.51	76	46.81	3431.30	977,122.107	− 409.07	
2746	10	39.90	77	47.56	37.82	978,208.530	7.26	
2747	10	39.95	76	46.24	3619.59	977,097.360	− 396.54	Oyon
2748	10	39.96	76	15.82	4297.01	977,005.152	− 353.46	
2749	10	39.99	75	23.20	1694.23	977,611.928	− 263.91	
2750	10	40.10	77	47.49	33.28	978,209.872	7.61	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2751	10	40.28	76	46.80	3332.38	977,139.113	− 412.18	
2752	10	40.50	77	49.79	6.01	978,220.368	12.55	Paramonga-AP-Z4B
2753	10	40.79	76	15.21	4337.98	976,998.810	− 352.06	
2754	10	40.86	76	46.75	3293.67	977,139.724	− 419.59	
2755	10	40.90	76	47.62	3271.02	977,151.850	− 412.00	Viroc
2756	10	40.95	76	48.08	3180.27	977,162.034	− 419.89	
2757	10	41.03	75	22.98	1619.34	977,624.434	− 266.75	
2758	10	41.19	76	15.41	4316.28	977,001.316	− 354.12	
2759	10	41.54	77	46.64	80.70	978,205.195	11.42	Pativilca-Plaza
2760	10	41.58	76	49.33	3009.00	977,191.866	− 424.46	
2761	10	41.82	76	49.61	2962.19	977,202.353	− 423.40	
2762	10	41.84	75	22.62	1531.43	977,640.059	− 268.91	
2763	10	41.90	76	15.34	4345.30	976,994.838	− 355.18	
2764	10	42.33	76	15.50	4354.01	976,991.930	− 356.57	
2765	10	42.54	75	22.06	1519.43	977,645.324	− 266.39	
2766	10	42.70	76	50.23	2873.54	977,224.657	− 419.19	
2767	10	43.12	76	15.20	4362.33	976,990.011	− 357.26	
2768	10	43.72	76	50.62	2831.88	977,235.668	− 417.01	
2769	10	43.82	76	15.04	4329.04	976,994.603	− 359.72	
2770	10	43.82	75	21.57	1387.90	977,668.962	− 269.38	
2771	10	44.09	77	46.11	59.13	978,213.185	13.79	
2772	10	44.23	75	21.03	1316.95	977,683.366	− 269.18	
2773	10	44.25	76	15.51	4285.68	977,003.145	− 360.09	
2774	10	44.35	76	51.30	2717.57	977,256.423	− 419.29	
2775	10	44.61	75	21.49	1270.22	977,691.298	− 270.66	
2776	10	44.85	76	15.76	4285.71	977,014.867	− 348.69	Colquijirca
2777	10	44.87	77	45.46	49.39	978,216.003	14.27	
2778	10	44.90	76	51.67	2604.15	977,273.338	− 425.18	
2779	10	45.21	75	21.81	1104.73	977,719.386	− 275.48	
2780	10	45.63	76	15.56	4185.30	977,024.856	− 359.21	Tinyahuarca
2781	10	45.73	77	44.89	38.44	978,219.958	15.61	
2782	10	46.09	76	51.52	2495.78	977,297.503	− 423.15	
2783	10	46.43	75	21.56	919.08	977,746.480	− 285.56	Churumasu
2784	10	46.45	75	21.55	987.62	977,735.975	− 282.61	
2785	10	46.53	76	15.42	4145.24	977,026.273	− 366.30	
2786	10	46.61	76	14.64	4188.16	977,022.778	− 361.26	
2787	10	46.67	76	51.96	2418.42	977,318.445	− 417.86	
2788	10	47.00	75	21.26	894.97	977,751.536	− 285.56	
2789	10	47.17	76	15.50	4145.24	977,031.615	− 361.31	
2790	10	47.38	76	14.21	4154.31	977,029.473	− 361.76	
2791	10	47.64	75	20.52	929.51	977,753.490	− 277.17	
2792	10	47.85	76	13.88	4126.51	977,037.923	− 359.13	
2793	10	47.97	76	52.51	2326.89	977,360.523	− 394.63	
2794	10	48.00	76	15.89	4124.44	977,034.264	− 363.28	
2795	10	48.07	76	16.53	4129.38	977,032.403	− 364.19	
2796	10	48.28	75	20.02	890.99	977,762.362	− 276.23	
2797	10	48.39	76	13.13	4134.99	977,035.538	− 360.11	
2798	10	48.60	76	52.40	2264.63	977,366.668	− 401.16	Churin
2799	10	48.70	76	12.47	4131.60	977,038.947	− 357.55	
2800	10	48.99	75	19.57	839.03	977,771.086	− 278.11	Sogormo

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2801	10	49.02	76	16.78	4139.06	977,026.420	− 368.77	
2802	10	49.20	76	52.85	2218.17	977,378.718	− 398.63	
2803	10	49.42	75	18.88	897.18	977,763.155	− 274.85	
2804	10	49.60	76	11.61	4107.69	977,045.940	− 355.84	
2805	10	49.86	76	53.16	2175.48	977,394.088	− 392.08	
2806	10	50.17	76	17.16	4139.21	977,024.722	− 371.07	
2807	10	50.21	76	10.34	4127.85	977,044.665	− 353.42	
2808	10	50.38	75	17.68	786.19	977,789.051	− 271.29	
2809	10	50.49	76	53.57	2112.14	977,419.432	− 379.62	
2810	10	50.78	76	9.20	4071.50	977,050.329	− 359.34	
2811	10	50.98	76	54.28	2055.62	977,433.515	− 376.99	
2812	10	51.14	76	55.15	1976.78	977,444.922	− 381.25	
2813	10	51.27	76	7.92	4095.85	977,052.025	− 353.05	
2814	10	51.30	76	56.22	1912.89	977,464.432	− 374.46	
2815	10	51.39	75	16.39	762.76	977,799.308	− 266.19	
2816	10	51.52	76	57.00	1824.06	977,491.221	− 365.34	
2817	10	51.75	76	58.02	1753.82	977,519.455	− 351.10	
2818	10	51.75	76	17.62	4130.36	977,023.612	− 374.83	
2819	10	51.87	75	0.41	547.69	977,901.186	− 206.80	
2820	10	51.94	76	6.65	4127.35	977,051.164	− 347.98	
2821	10	52.08	75	1.15	544.00	977,897.492	− 211.33	
2822	10	52.33	75	2.86	558.57	977,891.351	− 214.75	
2823	10	52.35	75	3.66	556.15	977,896.772	− 209.82	
2824	10	52.37	74	59.59	546.63	977,907.333	− 201.14	
2825	10	52.45	75	16.64	742.91	977,802.571	− 267.42	Capello-Pte.
2826	10	52.58	76	5.76	4121.82	977,047.714	− 352.89	
2827	10	52.60	75	2.03	551.74	977,891.287	− 216.31	
2828	10	52.76	76	58.34	1667.38	977,541.615	− 346.56	Mirahuay
2829	10	52.82	76	17.75	4118.39	977,026.025	− 375.40	
2830	10	52.95	75	16.92	734.00	977,801.592	− 270.43	
2831	10	53.05	76	5.17	4119.40	977,051.460	− 349.89	
2832	10	53.25	74	57.95	530.37	977,912.304	− 199.84	
2833	10	53.27	75	17.27	721.50	977,805.410	− 269.24	San-Luis
2834	10	53.42	76	58.73	1630.97	977,562.532	− 333.20	
2835	10	53.52	75	6.22	579.78	977,882.094	− 220.51	
2836	10	53.62	74	56.37	525.20	977,916.672	− 196.70	
2837	10	53.64	74	56.33	528.06	977,911.509	− 201.31	
2838	10	53.79	76	17.83	4116.67	977,025.298	− 377.01	
2839	10	53.85	76	4.27	4106.40	977,058.947	− 345.45	
2840	10	53.88	76	59.15	1563.36	977,573.170	− 336.16	
2841	10	54.02	75	6.95	588.81	977,875.995	− 225.12	
2842	10	54.19	76	17.98	4114.79	977,022.237	− 380.67	
2843	10	54.24	74	54.05	521.16	977,920.775	− 193.74	
2844	10	54.51	75	17.07	725.90	977,800.775	− 273.71	
2845	10	54.54	76	3.81	4104.65	977,061.523	− 343.61	
2846	10	54.55	77	39.65	30.61	978,246.578	35.80	
2847	10	54.62	77	0.13	1505.62	977,596.860	− 324.26	
2848	10	54.76	75	7.30	584.18	977,868.909	− 233.52	
2849	10	54.92	74	53.26	528.17	977,919.782	− 193.73	
2850	10	55.08	77	0.74	1460.72	977,632.262	− 297.97	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2851	10	55.17	76	3.32	4124.76	977,059.889	− 341.58	
2852	10	55.29	75	17.20	703.99	977,802.595	− 276.62	
2853	10	55.64	76	3.20	4115.05	977,061.472	− 342.20	
2854	10	55.66	77	1.39	1387.83	977,659.102	− 285.82	
2855	10	55.67	75	7.63	590.09	977,862.476	− 239.31	
2856	10	55.84	75	9.71	597.89	977,858.924	− 241.43	
2857	10	55.95	75	8.48	591.89	977,864.313	− 237.27	Puerto-Victor
2858	10	56.09	76	18.42	4097.42	977,028.516	− 378.93	
2859	10	56.21	75	17.24	682.42	977,809.022	− 274.95	
2860	10	56.23	74	51.90	497.04	977,928.014	− 192.34	
2861	10	56.28	75	12.11	617.60	977,845.453	− 251.27	Marankyari
2862	10	56.34	76	2.74	4098.54	977,065.910	− 341.45	
2863	10	56.75	74	51.25	508.69	977,925.391	− 192.97	
2864	10	56.76	75	16.06	659.91	977,817.798	− 270.90	
2865	10	56.97	74	50.44	498.11	977,929.119	− 191.44	
2866	10	56.99	75	14.72	813.62	977,796.503	− 262.14	
2867	10	57.01	77	2.16	1282.60	977,714.346	− 252.06	
2868	10	57.03	76	18.76	4118.84	977,026.555	− 377.13	
2869	10	57.10	75	13.45	626.63	977,834.979	− 260.43	Santa-Ana
2870	10	57.12	76	2.31	4100.25	977,067.204	− 340.25	
2871	10	57.13	75	13.46	686.20	977,820.169	− 263.57	
2872	10	57.26	75	17.21	697.46	977,807.096	− 274.51	
2873	10	57.35	75	17.66	695.87	977,801.328	− 280.63	
2874	10	57.49	74	48.66	503.54	977,928.892	− 190.89	
2875	10	57.81	74	47.95	485.52	977,932.132	− 191.36	
2876	10	57.88	76	19.27	4139.47	977,023.772	− 376.27	
2877	10	57.93	76	2.02	4095.49	977,063.390	− 345.48	
2878	10	58.04	75	17.86	691.25	977,795.063	− 288.20	
2879	10	58.18	77	2.86	1227.67	977,734.314	− 243.56	
2880	10	58.32	76	19.77	4152.20	977,021.905	− 375.84	
2881	10	58.47	74	47.22	485.31	977,931.044	− 192.86	
2882	10	58.75	76	20.35	4212.16	977,008.167	− 377.83	
2883	10	58.81	76	2.26	4099.40	977,059.945	− 348.63	
2884	10	59.08	75	18.67	723.31	977,786.827	− 290.72	La-Merced
2885	10	59.14	76	1.58	4093.96	977,066.554	− 343.29	
2886	10	59.14	77	38.20	23.42	978,259.995	45.24	
2887	10	59.22	77	3.54	1205.15	977,749.358	− 233.54	
2888	10	59.48	76	21.23	4248.90	976,999.284	− 379.78	
2889	10	59.93	74	45.33	479.38	977,934.581	− 191.31	Ipoki
2890	10	59.94	75	18.86	721.44	977,787.972	− 290.43	
2891	11	0.00	76	21.77	4310.11	976,986.516	− 380.59	Huayllay
2892	11	0.15	76	21.71	4325.59	976,981.630	− 382.47	
2893	11	0.24	77	4.43	1145.10	977,777.271	− 218.01	
2894	11	0.48	76	22.20	4387.39	976,969.213	− 382.70	
2895	11	0.77	76	0.28	4105.44	977,068.303	− 340.17	
2896	11	0.81	75	18.99	719.37	977,787.916	− 291.38	
2897	11	1.06	74	44.90	483.79	977,930.494	− 195.17	Rio-Ipoki
2898	11	1.09	76	22.69	4488.13	976,950.103	− 381.98	
2899	11	1.21	77	36.19	63.39	978,250.935	42.84	
2900	11	1.29	77	5.17	1047.69	977,814.410	− 200.63	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2901	11	1.96	75	19.00	726.82	977,786.215	− 292.27	
2902	11	1.97	77	5.72	988.40	977,831.063	− 196.02	
2903	11	2.02	76	23.45	4631.37	976,924.267	− 379.65	
2904	11	2.32	75	19.36	731.97	977,785.322	− 292.35	
2905	11	2.33	75	59.71	4091.25	977,072.131	− 340.06	
2906	11	2.34	77	6.75	948.15	977,849.621	− 185.59	
2907	11	2.40	76	23.84	4595.19	976,929.756	− 381.63	
2908	11	2.72	74	44.49	517.66	977,929.608	− 190.35	
2909	11	2.86	77	7.63	915.34	977,871.107	− 170.85	
2910	11	3.07	76	23.39	4595.19	976,933.437	− 378.33	
2911	11	3.22	75	19.39	749.80	977,782.334	− 292.35	San-Carlos
2912	11	3.23	74	43.94	529.30	977,928.435	− 189.53	
2913	11	3.43	77	33.53	111.37	978,236.751	36.79	
2914	11	3.51	75	19.87	751.19	977,777.918	− 296.65	La-Merced
2915	11	3.53	77	34.60	90.18	978,242.755	38.59	Rontoy
2916	11	3.57	75	59.95	4095.59	977,068.309	− 343.71	
2917	11	3.64	77	32.44	137.85	978,229.822	34.92	
2918	11	3.70	77	8.24	916.13	977,881.477	− 160.80	
2919	11	3.74	76	23.20	4603.60	976,931.767	− 378.68	
2920	11	3.87	75	20.19	759.81	977,772.581	− 300.50	
2921	11	3.93	77	31.48	147.60	978,228.575	35.42	
2922	11	3.93	77	35.84	66.56	978,249.022	40.01	Huaura-Plaza
2923	11	3.97	77	9.21	827.86	977,904.261	− 155.51	
2924	11	4.31	77	29.93	171.71	978,215.902	27.26	
2925	11	4.40	74	42.82	585.17	977,918.806	− 188.85	
2926	11	4.41	75	20.35	768.46	977,772.546	− 299.14	San-Ramon
2927	11	4.55	75	59.72	4088.51	977,066.897	− 347.09	
2928	11	4.57	76	23.52	4609.33	976,930.351	− 379.43	
2929	11	4.61	77	28.94	202.16	978,196.235	13.38	
2930	11	4.66	77	9.67	810.36	977,915.673	− 147.93	
2931	11	5.02	76	23.15	4594.55	976,931.213	− 381.78	
2932	11	5.08	77	9.68	798.44	977,925.651	− 140.53	
2933	11	5.27	77	27.24	235.38	978,177.880	1.15	
2934	11	5.42	76	23.11	4568.00	976,938.309	− 380.23	
2935	11	5.56	75	59.71	4108.46	977,061.256	− 349.32	
2936	11	5.56	77	26.43	261.72	978,165.961	− 5.77	
2937	11	5.75	77	24.46	318.90	978,137.121	− 23.51	
2938	11	5.76	77	25.03	296.67	978,148.401	− 16.60	
2939	11	5.76	77	10.15	732.23	977,949.917	− 129.65	
2940	11	5.87	76	22.94	4512.64	976,949.699	− 380.18	
2941	11	6.05	77	22.77	346.02	978,121.764	− 33.73	
2942	11	6.14	77	21.72	384.46	978,108.778	− 39.23	
2943	11	6.17	74	41.43	634.02	977,910.879	− 188.20	
2944	11	6.26	77	36.42	29.97	978,256.596	39.10	
2945	11	6.44	77	20.61	419.96	978,096.537	− 44.68	
2946	11	6.48	75	20.30	796.79	977,762.314	− 304.98	
2947	11	6.64	76	22.63	4478.53	976,956.228	− 380.92	
2948	11	6.70	77	19.88	439.82	978,089.516	− 47.96	Los-Angeles
2949	11	6.72	77	10.80	698.74	977,964.495	− 122.19	
2950	11	6.73	76	23.29	4540.75	976,938.993	− 385.75	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
2951	11	6.76	75	59.46	4097.31	977,063.087	− 350.40	
2952	11	6.91	74	40.82	691.57	977,902.689	− 185.52	
2953	11	7.11	77	18.67	456.15	978,082.055	− 52.45	
2954	11	7.23	75	20.83	811.68	977,756.377	− 308.42	
2955	11	7.23	76	24.00	4604.06	976,918.713	− 393.63	
2956	11	7.32	77	36.48	46.29	978,255.203	40.30	
2957	11	7.32	75	21.19	820.53	977,752.227	− 310.88	San-Ramon
2958	11	7.51	74	40.36	733.12	977,894.346	− 186.04	
2959	11	7.53	75	21.61	866.17	977,738.876	− 315.39	
2960	11	7.65	77	17.35	495.72	978,064.858	− 62.20	
2961	11	7.72	76	24.25	4592.56	976,920.505	− 394.42	
2962	11	7.87	75	59.36	4093.70	977,063.130	− 351.71	
2963	11	7.88	77	11.71	647.37	977,989.214	− 108.22	
2964	11	7.89	76	24.88	4523.58	976,934.745	− 394.09	
2965	11	7.99	75	22.90	906.33	977,723.370	− 323.26	
2966	11	8.03	77	16.34	526.74	978,052.695	− 68.49	
2967	11	8.10	77	36.18	26.21	978,261.076	41.80	
2968	11	8.16	77	12.02	638.72	977,997.588	− 101.70	
2969	11	8.17	77	14.59	572.55	978,030.323	− 81.96	Sayan
2970	11	8.20	77	15.35	553.92	978,038.839	− 77.11	
2971	11	8.22	77	13.35	607.20	978,014.795	− 90.72	
2972	11	8.36	76	25.25	4445.21	976,951.791	− 393.01	
2973	11	8.56	75	23.66	971.40	977,699.871	− 334.30	Naranjal
2974	11	8.73	75	59.51	4109.01	977,056.975	− 355.29	
2975	11	8.75	76	25.83	4425.58	976,956.009	− 392.94	
2976	11	9.01	75	24.76	1063.05	977,670.807	− 345.59	
2977	11	9.02	77	35.56	50.40	978,257.503	42.44	
2978	11	9.12	76	25.77	4433.32	976,956.777	− 390.84	
2979	11	9.13	74	39.66	789.27	977,891.255	− 179.03	
2980	11	9.38	75	59.44	4107.10	977,056.914	− 356.10	
2981	11	9.64	75	25.39	1097.37	977,655.765	− 354.25	
2982	11	9.68	76	25.97	4478.51	976,951.771	− 387.12	
2983	11	9.93	75	59.38	4106.52	977,056.014	− 357.44	
2984	11	10.01	75	25.98	1176.83	977,630.900	− 363.68	
2985	11	10.19	77	34.87	44.67	978,260.971	44.12	
2986	11	10.23	76	26.54	4551.77	976,941.009	− 383.52	
2987	11	10.49	76	20.54	4234.64	976,999.675	− 388.48	
2988	11	10.56	74	39.24	712.21	977,909.843	− 176.39	
2989	11	10.63	75	27.14	1334.10	977,595.480	− 368.49	
2990	11	10.68	76	26.59	4610.03	976,928.876	− 384.24	
2991	11	10.76	76	21.47	4274.86	976,991.510	− 388.75	
2992	11	10.79	76	19.58	4220.44	977,010.380	− 380.78	
2993	11	11.18	76	18.83	4194.92	977,019.238	− 377.25	
2994	11	11.19	75	58.23	4127.84	977,056.329	− 353.58	
2995	11	11.20	76	26.65	4672.38	976,919.502	− 381.41	
2996	11	11.27	74	39.66	640.81	977,921.004	− 179.65	
2997	11	11.46	76	22.49	4297.27	976,985.221	− 390.96	
2998	11	11.47	77	33.99	59.52	978,259.727	45.05	
2999	11	11.68	75	57.54	4141.00	977,055.236	− 352.32	
3000	11	11.78	76	17.79	4137.51	977,032.151	− 376.16	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3001	11	11.89	76	26.58	4688.64	976,917.685	− 380.36	La-viuda
3002	11	11.91	76	15.81	4108.04	977,035.278	− 379.00	
3003	11	11.95	76	17.08	4126.08	977,034.483	− 376.21	Carhuacayan
3004	11	11.96	74	39.72	650.85	977,919.930	− 179.15	
3005	11	11.99	76	23.45	4334.39	976,978.598	− 390.46	
3006	11	12.37	76	25.73	4582.15	976,934.276	− 385.39	
3007	11	12.42	75	29.16	1655.82	977,544.311	− 357.26	
3008	11	12.54	76	15.06	4070.30	977,042.835	− 379.35	
3009	11	12.57	76	25.15	4596.32	976,932.689	− 384.25	
3010	11	12.63	75	58.14	4156.18	977,052.573	− 352.50	
3011	11	12.70	77	33.09	54.24	978,260.770	44.35	
3012	11	12.78	75	57.81	4184.52	977,046.114	− 353.38	
3013	11	12.91	75	29.65	1713.55	977,527.218	− 363.24	
3014	11	13.00	76	26.22	4649.27	976,929.503	− 377.07	
3015	11	13.06	75	56.83	4180.53	977,047.420	− 353.03	
3016	11	13.30	74	38.69	629.36	977,924.983	− 179.08	
3017	11	13.36	76	14.30	4045.10	977,050.497	− 377.19	
3018	11	13.50	75	56.39	4185.25	977,046.766	− 352.99	
3019	11	13.71	76	13.16	4016.99	977,056.769	− 376.73	Conocancha
3020	11	13.72	77	32.33	72.59	978,253.872	40.46	
3021	11	13.83	76	26.40	4596.86	976,943.821	− 373.73	
3022	11	13.92	76	12.37	4024.03	977,054.368	− 377.85	
3023	11	14.04	75	30.99	1922.46	977,490.341	− 359.51	
3024	11	14.10	76	11.47	3983.65	977,065.009	− 375.38	
3025	11	14.24	74	37.95	617.07	977,929.319	− 177.70	
3026	11	14.25	74	37.94	625.96	977,926.216	− 179.06	Satipo
3027	11	14.29	76	27.10	4558.65	976,953.267	− 372.21	
3028	11	14.51	76	11.63	4071.75	977,042.954	− 380.06	
3029	11	14.53	75	31.55	2027.11	977,471.614	− 357.83	
3030	11	14.64	75	55.79	4190.32	977,046.444	− 352.95	
3031	11	14.68	75	32.24	2126.77	977,456.219	− 353.60	
3032	11	14.73	77	31.61	81.76	978,250.316	38.12	
3033	11	14.84	76	27.24	4551.64	976,954.342	− 372.85	
3034	11	14.88	76	12.56	4185.81	977,017.718	− 382.72	
3035	11	14.88	75	32.85	2212.67	977,447.036	− 345.91	
3036	11	15.23	76	26.73	4626.54	976,938.196	− 374.21	
3037	11	15.23	76	26.73	4667.50	976,939.802	− 364.40	
3038	11	15.36	75	33.08	2297.73	977,428.816	− 347.56	
3039	11	15.58	74	38.87	645.16	977,919.959	− 182.31	
3040	11	15.58	75	55.24	4192.50	977,046.390	− 353.11	
3041	11	15.61	74	38.91	664.08	977,917.576	− 181.00	Satipo-AP-J370
3042	11	15.65	75	33.05	2355.27	977,430.185	− 334.97	Carcapata
3043	11	15.73	76	26.50	4675.55	976,927.609	− 375.27	
3044	11	16.03	74	39.85	682.39	977,909.317	− 185.91	
3045	11	16.32	76	12.78	4251.14	977,004.839	− 383.36	
3046	11	16.38	77	30.44	111.64	978,243.650	36.35	
3047	11	16.39	76	26.51	4643.93	976,935.831	− 373.76	
3048	11	16.54	75	33.73	2471.10	977,396.955	− 345.76	
3049	11	16.58	75	55.25	4208.16	977,042.649	− 354.29	
3050	11	16.64	76	26.78	4587.80	976,948.584	− 372.40	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3051	11	16.64	76	26.78	4590.21	976,946.501	− 374.00	
3052	11	16.70	74	40.84	716.22	977,901.664	− 187.30	
3053	11	17.09	77	29.86	129.89	978,247.334	43.20	
3054	11	17.18	74	41.91	754.74	977,890.504	− 191.18	
3055	11	17.20	76	26.51	4568.99	976,952.870	− 372.21	
3056	11	17.23	75	33.55	2509.29	977,390.434	− 345.11	
3057	11	17.40	75	54.72	4193.34	977,046.531	− 353.85	
3058	11	17.44	76	13.35	4286.93	976,995.055	− 386.63	
3059	11	17.82	74	41.75	757.25	977,892.088	− 189.47	Uanacaure-Pte.
3060	11	17.83	75	33.42	2588.94	977,376.593	− 343.51	
3061	11	18.11	75	54.69	4161.83	977,051.898	− 355.19	
3062	11	18.18	76	26.37	4568.63	976,954.534	− 371.18	
3063	11	18.31	74	42.32	814.83	977,876.584	− 193.94	
3064	11	18.61	76	13.90	4367.42	976,982.623	− 383.63	
3065	11	18.66	75	53.82	4129.81	977,058.933	− 354.88	
3066	11	18.73	75	33.10	2656.77	977,362.902	− 344.27	
3067	11	18.79	77	28.64	136.84	978,249.150	45.39	
3068	11	18.91	74	42.68	873.68	977,862.542	− 196.78	
3069	11	19.15	76	25.60	4593.81	976,950.350	− 370.88	
3070	11	19.44	76	14.65	4397.47	976,976.554	− 384.16	
3071	11	19.46	75	53.38	4097.50	977,065.441	− 355.29	
3072	11	19.96	75	33.25	2708.93	977,356.470	− 341.06	
3073	11	20.01	76	14.73	4312.75	976,993.663	− 384.34	
3074	11	20.05	76	25.47	4675.68	976,936.651	− 368.69	
3075	11	20.06	74	43.94	928.75	977,849.843	− 199.32	
3076	11	20.16	76	25.96	4674.71	976,938.964	− 366.64	
3077	11	20.40	76	26.08	4629.19	976,948.507	− 366.36	
3078	11	20.49	74	43.89	968.66	977,840.709	− 200.85	
3079	11	20.54	77	27.38	261.04	978,222.784	42.34	
3080	11	20.55	75	34.05	2738.81	977,351.706	− 340.24	Palca
3081	11	20.72	76	14.28	4220.35	977,012.354	− 384.54	
3082	11	20.73	75	34.61	2759.18	977,348.448	− 339.56	
3083	11	20.81	75	52.96	4065.37	977,068.516	− 359.41	
3084	11	20.81	75	35.32	2794.28	977,344.665	− 336.42	
3085	11	20.89	76	26.22	4553.04	976,962.284	− 368.12	
3086	11	20.99	75	35.97	2840.99	977,336.463	− 335.46	
3087	11	21.02	75	39.38	2944.70	977,310.637	− 340.70	Acobamba
3088	11	21.13	76	14.76	4146.99	977,026.758	− 385.04	
3089	11	21.13	76	13.88	4149.16	977,024.809	− 386.56	
3090	11	21.15	75	38.29	2912.75	977,316.905	− 340.86	
3091	11	21.17	75	37.03	2889.68	977,325.256	− 337.10	
3092	11	21.18	74	43.79	989.18	977,837.001	− 200.92	
3093	11	21.33	75	39.98	2960.45	977,303.401	− 344.99	
3094	11	21.47	76	26.35	4504.48	976,973.254	− 367.21	
3095	11	21.51	76	13.09	4168.71	977,021.916	− 385.77	
3096	11	21.66	76	15.91	4169.46	977,023.442	− 384.18	
3097	11	21.73	75	53.02	4051.28	977,069.705	− 361.57	
3098	11	21.90	75	40.65	2995.97	977,297.265	− 344.39	Ucallabamba
3099	11	22.01	74	44.00	1063.69	977,819.326	− 204.43	Santa-Ana
3100	11	22.05	76	16.85	4177.11	977,021.722	− 384.60	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3101	11	22.13	76	26.78	4350.96	977,000.859	− 370.73	
3102	11	22.16	76	26.05	4441.50	976,980.643	− 372.83	
3103	11	22.25	74	44.51	1131.92	977,803.310	− 207.16	
3104	11	22.29	76	27.31	4250.07	977,020.434	− 371.43	
3105	11	22.41	76	26.27	4393.58	976,993.174	− 370.05	
3106	11	22.42	77	25.97	272.47	978,224.341	45.03	
3107	11	22.44	76	27.59	4134.78	977,044.912	− 370.10	
3108	11	22.51	76	27.22	4176.55	977,032.218	− 374.48	
3109	11	22.87	76	27.76	4075.47	977,054.870	− 372.24	
3110	11	22.94	75	41.19	3010.60	977,293.601	− 345.75	Pomachaca
3111	11	22.95	74	44.77	1217.82	977,782.416	− 211.55	
3112	11	22.97	76	17.24	4223.99	977,014.165	− 383.31	
3113	11	23.03	76	28.34	4001.00	977,070.093	− 371.99	
3114	11	23.19	76	29.63	3902.00	977,090.281	− 371.66	
3115	11	23.21	76	29.60	3828.59	977,103.828	− 372.78	
3116	11	23.25	75	53.05	3980.98	977,075.331	− 370.87	
3117	11	23.29	76	28.99	3902.03	977,089.070	− 372.93	
3118	11	23.33	74	44.94	1205.86	977,787.588	− 208.96	
3119	11	23.55	75	48.99	4097.19	977,068.567	− 354.60	
3120	11	23.55	75	52.78	4004.46	977,071.424	− 370.27	
3121	11	23.58	77	24.41	180.46	978,248.727	50.73	
3122	11	23.63	77	23.50	73.39	978,270.247	51.27	
3123	11	23.64	75	52.19	4049.20	977,064.829	− 367.98	
3124	11	23.71	76	30.37	3763.73	977,113.235	− 376.61	
3125	11	23.85	75	41.00	3027.12	977,289.489	− 347.11	
3126	11	23.92	76	17.50	4265.53	977,006.705	− 383.02	
3127	11	23.94	76	31.55	3627.62	977,145.746	− 371.38	Cullahay
3128	11	24.02	75	51.21	4109.33	977,055.912	− 365.10	
3129	11	24.02	76	30.88	3699.61	977,127.801	− 375.02	
3130	11	24.04	75	52.82	3968.22	977,076.747	− 372.47	
3131	11	24.05	74	45.02	1227.77	977,779.149	− 213.50	Mariposa
3132	11	24.05	75	49.51	4192.20	977,046.549	− 357.91	
3133	11	24.08	75	50.51	4150.16	977,048.837	− 364.05	
3134	11	24.22	76	32.47	3518.56	977,169.906	− 369.12	
3135	11	24.32	76	32.91	3441.72	977,188.106	− 366.28	
3136	11	24.34	75	53.65	3945.29	977,079.810	− 374.16	
3137	11	24.50	75	48.46	4011.20	977,082.958	− 357.94	
3138	11	24.53	75	47.69	3857.78	977,115.759	− 355.79	
3139	11	24.56	76	33.96	3350.43	977,215.375	− 357.33	
3140	11	24.61	74	45.50	1292.15	977,765.533	− 214.77	Tunquimayo-Pte.
3141	11	24.72	75	40.95	3038.43	977,288.022	− 346.84	
3142	11	24.72	76	17.67	4283.00	977,003.337	− 383.36	
3143	11	24.73	75	54.45	3927.71	977,083.854	− 373.86	
3144	11	24.76	76	35.12	3329.13	977,232.823	− 344.24	
3145	11	24.79	75	47.88	3954.88	977,095.870	− 356.45	
3146	11	24.83	75	44.00	3250.00	977,231.468	− 361.38	
3147	11	24.85	75	46.92	3756.19	977,136.556	− 355.46	
3148	11	24.86	75	44.72	3320.85	977,215.075	− 363.70	
3149	11	24.94	74	45.78	1326.93	977,756.945	− 216.70	
3150	11	24.95	75	42.47	3138.07	977,262.677	− 352.51	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3151	11	24.95	75	45.04	3474.71	977,191.098	− 357.09	
3152	11	24.97	75	41.10	3064.54	977,279.205	− 350.61	Hospital
3153	11	24.97	75	41.12	3051.27	977,285.678	− 346.78	Tarma-Plaza
3154	11	24.99	75	41.53	3069.49	977,279.710	− 349.14	
3155	11	25.09	75	43.18	3201.41	977,246.863	− 355.81	
3156	11	25.23	75	46.45	3650.65	977,153.739	− 359.55	
3157	11	25.47	75	55.33	3898.63	977,088.062	− 375.88	
3158	11	25.47	76	35.54	3316.05	977,246.154	− 333.93	
3159	11	25.49	75	45.52	3569.10	977,169.521	− 360.17	
3160	11	25.65	75	45.18	3399.69	977,198.032	− 365.50	
3161	11	25.91	74	46.24	1415.97	977,732.990	− 223.68	
3162	11	25.94	75	55.89	3872.36	977,089.989	− 379.48	
3163	11	25.99	76	17.91	4280.80	977,005.611	− 382.26	
3164	11	26.00	75	41.45	3103.61	977,267.907	− 354.75	
3165	11	26.54	75	56.58	3848.57	977,098.179	− 376.38	
3166	11	26.54	77	20.74	119.95	978,252.684	41.12	
3167	11	26.58	75	41.20	3165.02	977,257.316	− 353.46	
3168	11	26.60	76	35.67	3299.61	977,257.549	− 326.47	
3169	11	26.64	75	41.34	3249.71	977,242.196	− 351.77	
3170	11	26.65	75	41.33	3300.78	977,230.968	− 352.84	
3171	11	26.71	74	46.05	1490.29	977,713.087	− 229.40	Pampay-Pte.
3172	11	26.96	77	19.73	87.22	978,258.590	40.37	
3173	11	27.01	76	17.95	4293.00	977,003.555	− 382.48	
3174	11	27.03	76	35.81	3260.78	977,268.139	− 323.85	
3175	11	27.10	75	56.98	3821.11	977,105.337	− 375.04	
3176	11	27.19	74	47.38	1582.32	977,690.675	− 233.94	
3177	11	27.33	76	35.99	3197.25	977,281.391	− 323.41	
3178	11	27.47	77	18.62	106.55	978,250.742	36.01	
3179	11	27.58	76	36.41	3109.36	977,304.035	− 318.40	
3180	11	27.78	76	37.29	2818.89	977,365.609	− 314.65	Canta
3181	11	27.78	76	37.78	2600.49	977,401.526	− 322.07	
3182	11	27.78	76	37.10	2860.21	977,356.959	− 315.10	
3183	11	27.82	76	37.66	2665.99	977,393.732	− 316.89	
3184	11	27.83	76	18.17	4355.34	976,994.636	− 379.40	
3185	11	28.01	74	47.33	1693.11	977,661.148	− 242.09	
3186	11	28.02	76	37.88	2540.20	977,412.583	− 323.11	
3187	11	28.12	76	36.99	3026.67	977,327.083	− 312.11	
3188	11	28.21	76	37.39	2748.70	977,380.075	− 314.37	
3189	11	28.36	75	57.36	3748.06	977,115.158	− 380.53	Paccha
3190	11	28.53	75	40.41	3554.35	977,184.402	− 350.00	
3191	11	28.54	76	38.09	2463.43	977,430.403	− 320.80	
3192	11	28.60	76	37.21	2934.60	977,347.829	− 309.94	
3193	11	28.82	76	38.47	2402.27	977,439.756	− 323.74	
3194	11	28.94	75	56.70	3736.95	977,117.875	− 380.37	
3195	11	28.95	74	47.59	1805.12	977,634.661	− 247.01	
3196	11	28.95	76	18.01	4429.64	976,980.619	− 379.20	
3197	11	28.98	74	52.92	2907.84	977,413.988	− 249.31	
3198	11	29.02	75	39.89	3625.45	977,172.538	− 347.99	
3199	11	29.09	74	53.42	3030.68	977,392.375	− 246.58	
3200	11	29.20	74	47.98	1853.17	977,620.039	− 252.29	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3201	11	29.33	74	52.14	2787.60	977,430.953	− 256.43	
3202	11	29.38	75	56.36	3719.39	977,118.539	− 383.46	
3203	11	29.46	76	39.03	2297.75	977,468.899	− 315.66	
3204	11	29.59	74	54.15	3144.18	977,371.387	− 245.30	
3205	11	29.77	76	39.19	2240.87	977,479.075	− 316.93	
3206	11	29.79	75	39.25	3683.93	977,160.848	− 348.46	
3207	11	29.95	74	48.33	1971.96	977,594.744	− 254.55	
3208	11	30.11	74	48.76	2035.42	977,579.058	− 257.79	
3209	11	30.12	74	48.75	2400.89	977,507.404	− 257.12	
3210	11	30.13	74	48.74	2271.57	977,540.944	− 249.20	
3211	11	30.16	74	51.63	2540.75	977,474.178	− 262.66	
3212	11	30.28	74	55.67	3365.05	977,332.716	− 240.42	
3213	11	30.29	75	38.88	3715.43	977,159.216	− 344.11	
3214	11	30.29	76	40.21	2132.27	977,508.547	− 309.25	
3215	11	30.33	74	49.54	2178.96	977,557.652	− 250.94	
3216	11	30.60	74	56.08	3483.31	977,312.453	− 237.33	Carrizal
3217	11	30.84	75	38.70	3776.23	977,147.253	− 344.27	
3218	11	30.87	76	16.99	4506.40	976,965.618	− 379.95	
3219	11	30.89	75	55.29	3713.97	977,118.843	− 385.13	
3220	11	31.09	76	41.11	2001.62	977,544.110	− 300.00	
3221	11	31.10	77	17.40	52.47	978,273.035	45.59	
3222	11	31.16	75	54.48	3717.04	977,122.103	− 381.41	La-Oroya
3223	11	31.19	75	38.43	3852.48	977,132.346	− 344.16	
3224	11	31.34	75	53.51	3703.98	977,122.027	− 384.20	
3225	11	31.37	74	56.39	3634.37	977,271.576	− 248.55	
3226	11	31.68	75	37.68	4016.99	977,104.563	− 339.38	
3227	11	31.77	74	56.60	3665.57	977,262.403	− 251.74	
3228	11	32.07	76	16.66	4585.07	976,951.493	− 379.02	
3229	11	32.10	75	37.49	4104.13	977,086.502	− 340.28	
3230	11	32.11	76	41.99	1886.62	977,580.503	− 286.93	
3231	11	32.22	75	53.47	3699.46	977,126.161	− 381.49	
3232	11	32.29	77	16.71	50.21	978,273.078	44.49	
3233	11	32.39	74	56.83	3885.26	977,214.488	− 256.18	
3234	11	32.42	76	42.53	1797.71	977,609.834	− 275.34	
3235	11	32.76	75	37.48	4141.38	977,077.936	− 341.79	
3236	11	32.83	74	56.99	3974.14	977,196.633	− 256.55	
3237	11	32.91	76	42.76	1744.49	977,626.230	− 269.74	
3238	11	33.33	76	16.42	4690.49	976,932.170	− 377.97	
3239	11	33.38	74	57.16	4063.23	977,179.092	− 256.62	
3240	11	33.49	76	43.09	1674.30	977,645.405	− 264.76	
3241	11	33.58	77	16.10	42.59	978,273.016	42.18	
3242	11	33.62	75	37.63	4133.01	977,077.104	− 344.80	
3243	11	33.79	75	52.24	3674.28	977,132.556	− 381.03	
3244	11	33.85	76	43.45	1608.11	977,684.930	− 238.51	
3245	11	33.94	76	15.98	4860.04	976,897.824	− 378.67	
3246	11	34.02	74	57.37	4168.67	977,161.190	− 253.82	
3247	11	34.04	75	51.43	3661.04	977,131.916	− 384.46	
3248	11	34.50	75	37.92	4161.06	977,069.086	− 347.73	
3249	11	34.55	76	44.28	1562.88	977,712.271	− 220.51	Yaso
3250	11	34.64	76	16.03	4788.94	976,911.639	− 379.53	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3251	11	34.67	75	50.82	3650.66	977,134.214	− 384.61	
3252	11	34.67	74	57.49	4245.26	977,146.748	− 253.33	
3253	11	34.77	76	15.57	4716.90	976,924.665	− 381.02	
3254	11	34.91	77	16.01	23.08	978,279.129	43.69	
3255	11	35.16	75	38.07	4125.31	977,073.801	− 350.55	
3256	11	35.30	76	11.40	4840.00	976,897.737	− 383.58	Ticlio
3257	11	35.30	76	11.40	4840.00	976,897.633	− 383.68	
3258	11	35.30	76	11.40	4840.00	976,897.532	− 383.78	
3259	11	35.36	74	57.50	4294.66	977,135.471	− 255.13	
3260	11	35.44	76	15.06	4597.72	976,942.887	− 387.09	
3261	11	35.46	76	45.09	1471.93	977,746.267	− 204.98	
3262	11	35.51	75	50.45	3643.84	977,135.982	− 384.69	
3263	11	35.60	77	15.12	20.98	978,277.209	40.95	
3264	11	35.60	76	14.71	4480.00	976,962.429	− 391.22	
3265	11	35.97	75	38.21	4100.41	977,077.612	− 352.20	
3266	11	36.07	74	57.35	4276.65	977,138.089	− 256.54	
3267	11	36.26	76	45.70	1387.38	977,769.376	− 199.01	
3268	11	36.34	76	14.28	4384.60	976,978.002	− 395.19	
3269	11	36.63	75	50.51	3640.52	977,139.127	− 382.87	
3270	11	36.72	75	37.82	4040.80	977,089.103	− 353.06	
3271	11	36.74	74	57.42	4175.18	977,156.917	− 258.40	
3272	11	36.76	76	46.21	1349.41	977,783.664	− 192.49	
3273	11	36.78	76	14.05	4330.48	976,986.864	− 397.42	
3274	11	37.05	77	13.12	33.05	978,272.328	37.57	
3275	11	37.13	75	37.26	4029.68	977,091.279	− 353.35	
3276	11	37.21	75	49.95	3627.59	977,143.359	− 381.56	
3277	11	37.23	75	0.74	3534.77	977,270.529	− 272.91	
3278	11	37.26	75	36.83	4007.15	977,096.524	− 352.68	
3279	11	37.40	75	49.78	3629.68	977,143.500	− 381.12	
3280	11	37.44	75	1.56	3610.86	977,243.763	− 284.63	
3281	11	37.44	74	57.07	4071.26	977,178.214	− 258.29	
3282	11	37.52	74	60.00	3610.22	977,258.166	− 270.41	
3283	11	37.56	76	46.37	1282.89	977,796.582	− 193.16	
3284	11	37.58	75	2.64	3686.21	977,239.314	− 274.14	
3285	11	37.66	75	35.45	3885.73	977,121.580	− 352.12	
3286	11	37.75	75	48.79	3616.40	977,144.497	− 382.98	
3287	11	37.82	75	36.17	3961.67	977,106.453	− 352.17	
3288	11	38.04	74	57.12	3997.35	977,191.456	− 260.17	
3289	11	38.15	75	3.42	3767.51	977,217.601	− 279.98	
3290	11	38.18	75	35.54	3766.14	977,144.581	− 353.29	
3291	11	38.26	75	48.51	3613.33	977,147.000	− 381.39	
3292	11	38.31	76	46.48	1192.29	977,818.632	− 189.39	
3293	11	38.47	74	57.81	3808.02	977,228.056	− 261.62	
3294	11	38.48	75	2.81	3871.23	977,196.275	− 280.80	
3295	11	38.54	74	57.28	3900.86	977,210.374	− 260.82	
3296	11	38.54	74	57.82	3700.00	977,245.836	− 265.44	Puntatullo-Pampa
3297	11	38.67	75	47.90	3606.91	977,144.158	− 385.76	
3298	11	38.81	75	35.27	3665.40	977,163.497	− 354.84	
3299	11	38.91	76	14.03	4136.38	977,025.202	− 399.16	Casaparca
3300	11	38.99	75	3.03	3861.13	977,204.318	− 275.08	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3301	11	39.04	75	34.84	3594.55	977,178.029	− 354.57	
3302	11	39.32	75	47.23	3602.78	977,143.890	− 387.23	
3303	11	39.46	75	2.48	3855.95	977,192.918	− 287.79	
3304	11	39.74	76	47.22	1156.60	977,841.566	− 174.33	
3305	11	39.80	76	15.03	4015.91	977,046.949	− 402.02	
3306	11	39.82	75	34.47	3538.38	977,187.891	− 356.37	
3307	11	39.85	75	3.69	3501.87	977,265.276	− 286.27	
3308	11	39.88	75	1.43	3729.53	977,221.279	− 284.90	
3309	11	40.09	75	46.71	3587.62	977,146.393	− 388.21	
3310	11	40.16	75	3.39	3448.91	977,260.781	− 301.50	
3311	11	40.23	75	2.01	3651.52	977,248.478	− 273.47	
3312	11	40.24	76	47.68	1138.57	977,850.696	− 169.05	
3313	11	40.37	75	4.21	3393.09	977,270.899	− 302.63	
3314	11	40.55	76	15.29	3908.33	977,064.384	− 406.52	
3315	11	40.63	76	53.91	741.77	978,019.857	− 78.12	
3316	11	40.66	76	54.74	710.55	978,036.383	− 67.74	
3317	11	40.68	75	2.77	3525.45	977,259.129	− 288.21	
3318	11	40.78	75	46.24	3576.47	977,150.605	− 386.63	
3319	11	40.86	75	1.98	3696.54	977,235.009	− 278.34	Aracancha
3320	11	40.89	76	48.30	1063.16	977,873.196	− 161.77	
3321	11	41.14	76	52.90	777.90	978,005.392	− 85.79	
3322	11	41.39	76	55.66	670.43	978,057.821	− 54.61	
3323	11	41.41	76	48.86	1048.43	977,892.148	− 146.02	
3324	11	41.46	75	2.26	3529.26	977,260.372	− 286.68	Canchapaca
3325	11	41.46	76	50.15	951.68	977,927.690	− 129.54	
3326	11	41.54	76	50.59	919.00	977,948.503	− 115.19	
3327	11	41.61	76	51.93	839.69	977,988.856	− 90.47	
3328	11	41.70	76	51.55	877.04	977,975.006	− 97.03	
3329	11	41.78	76	56.14	634.51	978,072.568	− 47.15	
3330	11	41.81	75	45.03	3563.44	977,150.390	− 390.06	
3331	11	41.82	75	1.74	3643.58	977,244.049	− 280.43	
3332	11	41.85	75	4.50	3285.88	977,290.702	− 305.05	
3333	11	41.87	75	1.92	3573.76	977,256.147	− 282.28	
3334	11	42.28	76	15.91	3688.25	977,112.717	− 403.13	
3335	11	42.42	76	56.48	599.51	978,084.605	− 42.36	Huachipuquio
3336	11	42.54	75	45.01	3552.06	977,151.547	− 391.60	
3337	11	42.77	75	4.33	3216.81	977,299.885	− 310.16	
3338	11	42.89	75	4.80	3283.67	977,291.926	− 304.88	Comas-Guardia-Civil
3339	11	42.96	75	33.12	3474.06	977,199.339	− 359.60	
3340	11	42.98	76	57.00	567.18	978,101.508	− 32.14	
3341	11	43.03	75	5.49	3334.64	977,274.115	− 312.63	
3342	11	43.14	75	6.37	3377.43	977,264.687	− 313.61	
3343	11	43.38	76	57.89	537.69	978,115.995	− 23.67	
3344	11	43.65	75	44.70	3550.88	977,154.058	− 389.99	
3345	11	43.65	75	32.68	3467.29	977,200.088	− 360.62	Ocolla
3346	11	43.70	75	4.21	3201.18	977,299.608	− 314.10	
3347	11	43.70	76	15.92	3442.22	977,159.817	− 405.91	Anche
3348	11	43.70	75	28.28	3395.79	977,228.001	− 346.98	
3349	11	43.89	76	15.26	3507.51	977,144.146	− 408.69	
3350	11	43.96	75	32.50	3466.66	977,201.306	− 359.71	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3351	11	44.02	75	7.40	3459.63	977,243.839	− 318.62	
3352	11	44.03	76	16.22	3361.19	977,170.364	− 411.70	
3353	11	44.09	76	58.01	516.81	978,125.332	− 18.86	
3354	11	44.16	75	28.72	3383.50	977,231.780	− 345.92	
3355	11	44.16	75	44.29	3541.42	977,155.664	− 390.58	
3356	11	44.21	76	16.72	3313.63	977,171.207	− 420.43	
3357	11	44.34	75	28.08	3385.49	977,230.552	− 346.86	
3358	11	44.39	75	26.90	3411.13	977,229.344	− 342.99	
3359	11	44.45	77	9.79	22.38	978,280.082	38.83	
3360	11	44.57	75	7.56	3568.96	977,224.777	− 316.22	
3361	11	44.70	76	17.31	3205.19	977,202.017	− 411.49	
3362	11	44.72	75	43.76	3534.81	977,159.527	− 388.36	
3363	11	44.84	75	32.07	3462.78	977,202.924	− 359.39	Pachascucho
3364	11	44.88	75	29.13	3383.95	977,221.562	− 356.48	
3365	11	45.07	75	43.12	3527.67	977,163.613	− 385.91	Pachacayo
3366	11	45.12	76	58.10	506.94	978,127.676	− 19.06	
3367	11	45.18	75	26.36	3429.10	977,224.973	− 344.25	
3368	11	45.28	75	8.18	3697.22	977,202.211	− 313.64	
3369	11	45.44	76	17.93	3148.69	977,225.456	− 399.74	San-Mateo
3370	11	45.57	75	42.64	3518.92	977,166.471	− 385.10	
3371	11	45.74	75	13.26	4357.50	977,066.852	− 317.36	
3372	11	45.81	75	29.44	3368.96	977,225.090	− 356.49	
3373	11	45.83	75	10.43	4109.99	977,114.307	− 319.46	
3374	11	45.87	75	26.02	3446.78	977,222.232	− 343.89	
3375	11	45.91	75	42.36	3521.35	977,165.714	− 385.58	
3376	11	45.96	75	8.83	3837.67	977,168.118	− 320.12	
3377	11	46.05	76	18.29	3082.20	977,245.363	− 393.41	
3378	11	46.26	75	42.77	3540.94	977,162.588	− 385.00	
3379	11	46.28	75	13.85	4439.99	977,047.797	− 320.23	
3380	11	46.30	75	30.04	3388.73	977,221.035	− 356.90	
3381	11	46.32	75	29.93	3390.56	977,220.415	− 357.17	Jauja-Plaza
3382	11	46.34	75	11.83	4259.33	977,088.610	− 315.61	Pacocancha
3383	11	46.37	75	29.78	3381.47	977,221.647	− 357.78	
3384	11	46.39	75	11.07	4217.59	977,095.867	− 316.73	
3385	11	46.40	77	9.68	32.85	978,280.880	40.51	
3386	11	46.42	76	58.75	413.89	978,162.405	− 3.36	
3387	11	46.60	75	25.67	3477.56	977,217.541	− 342.88	
3388	11	46.60	75	41.48	3513.25	977,169.360	− 383.95	
3389	11	46.63	75	14.93	4461.73	977,037.627	− 326.26	
3390	11	46.70	76	18.30	2987.53	977,256.421	− 401.56	Tamboraque3-Pte.
3391	11	46.79	76	18.33	2929.21	977,271.211	− 398.41	Tamboraque
3392	11	46.80	76	19.49	2802.31	977,292.777	− 402.05	
3393	11	46.89	75	34.01	3426.85	977,200.027	− 370.68	
3394	11	46.96	75	29.11	3363.27	977,229.558	− 353.85	
3395	11	46.98	75	42.93	3571.68	977,159.203	− 382.70	Pachacayo
3396	11	47.00	75	28.41	3359.46	977,232.443	− 351.74	
3397	11	47.04	75	29.27	3372.69	977,224.881	− 356.69	
3398	11	47.04	75	28.43	3359.80	977,232.437	− 351.71	
3399	11	47.05	75	15.26	4416.05	977,042.198	− 331.08	
3400	11	47.06	76	19.97	2705.05	977,315.409	− 398.88	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3401	11	47.08	76	18.75	2859.64	977,276.062	− 407.55	
3402	11	47.27	77	8.80	85.04	978,270.763	40.08	
3403	11	47.31	75	27.66	3353.52	977,235.787	− 349.77	
3404	11	47.32	75	28.67	3363.06	977,230.615	− 353.05	
3405	11	47.39	75	15.49	4340.65	977,057.005	− 331.57	
3406	11	47.43	76	58.84	399.98	978,168.716	− 0.39	Caballero
3407	11	47.53	75	39.57	3485.18	977,175.181	− 384.29	
3408	11	47.58	75	26.72	3337.31	977,243.282	− 345.66	Pte.
3409	11	47.70	75	35.53	3440.63	977,196.154	− 372.29	Matachico
3410	11	47.77	75	32.32	3403.29	977,208.694	− 367.23	
3411	11	47.89	75	26.27	3344.00	977,243.196	− 344.60	Atanva-Plaza
3412	11	47.89	75	31.31	3394.16	977,213.152	− 364.66	
3413	11	47.93	75	42.91	3608.90	977,151.151	− 383.90	Canchayllo
3414	11	47.99	75	15.62	4231.09	977,073.732	− 337.12	
3415	11	48.02	75	38.58	3479.95	977,177.725	− 383.08	
3416	11	48.04	77	8.07	131.87	978,260.424	38.44	
3417	11	48.15	76	20.37	2601.80	977,349.121	− 386.30	
3418	11	48.25	75	28.19	3353.80	977,230.468	− 355.59	
3419	11	48.26	75	29.43	3358.42	977,228.728	− 356.42	
3420	11	48.35	76	59.13	380.05	978,175.353	1.79	
3421	11	48.39	75	25.56	3333.68	977,244.708	− 345.45	
3422	11	48.45	76	20.99	2528.80	977,366.403	− 383.67	
3423	11	48.46	75	16.92	4126.47	977,091.103	− 340.95	
3424	11	48.53	75	42.51	3634.97	977,146.589	− 383.63	
3425	11	48.57	75	35.88	3448.28	977,192.860	− 374.58	
3426	11	48.57	75	36.53	3454.53	977,189.610	− 376.59	
3427	11	48.59	75	27.12	3341.54	977,238.676	− 350.04	
3428	11	48.68	75	37.04	3454.93	977,188.091	− 378.09	
3429	11	48.69	75	30.70	3385.75	977,215.875	− 364.09	
3430	11	48.78	75	17.35	3992.68	977,117.078	− 341.90	
3431	11	48.93	75	24.92	3327.74	977,246.324	− 345.34	
3432	11	48.96	76	21.47	2455.96	977,388.819	− 376.00	
3433	11	49.02	76	59.45	345.16	978,186.735	5.94	
3434	11	49.03	75	30.27	3398.63	977,216.797	− 360.81	
3435	11	49.06	75	26.60	3332.13	977,241.257	− 349.61	
3436	11	49.17	75	17.74	3911.41	977,135.117	− 340.33	Chicche
3437	11	49.32	75	42.26	3745.80	977,125.031	− 383.56	
3438	11	49.53	75	24.11	3319.35	977,249.503	− 344.19	
3439	11	49.77	75	25.93	3322.41	977,242.957	− 350.27	
3440	11	49.83	75	23.66	3315.19	977,250.432	− 344.27	
3441	11	49.94	75	17.34	3791.19	977,157.704	− 342.20	
3442	11	50.06	76	22.43	2415.33	977,417.872	− 355.66	Matucana-Alta
3443	11	50.12	76	59.85	328.94	978,194.907	10.27	
3444	11	50.31	75	25.69	3315.45	977,242.819	− 352.12	
3445	11	50.37	75	42.33	3853.57	977,105.941	− 381.77	
3446	11	50.38	77	6.00	191.86	978,247.512	35.87	
3447	11	50.40	76	59.84	293.51	978,204.223	12.47	
3448	11	50.43	75	23.18	3310.10	977,249.851	− 346.23	
3449	11	50.45	76	23.07	2377.94	977,433.077	− 348.10	
3450	11	50.76	75	18.05	3678.76	977,178.898	− 343.93	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3451	11	50.81	75	22.87	3306.72	977,249.289	− 347.69	
3452	11	51.01	75	17.64	3597.47	977,192.301	− 346.88	
3453	11	51.06	76	23.94	2305.86	977,454.867	− 340.95	
3454	11	51.19	76	24.48	2222.68	977,472.657	− 339.71	
3455	11	51.21	75	22.52	3300.51	977,252.463	− 345.99	
3456	11	51.28	77	0.10	274.04	978,212.767	16.67	
3457	11	51.36	75	42.15	3946.12	977,088.561	− 381.28	
3458	11	51.37	75	24.77	3304.27	977,246.139	− 351.67	
3459	11	51.56	75	17.06	3451.36	977,215.571	− 353.06	
3460	11	51.67	77	0.45	250.12	978,219.369	18.35	
3461	11	51.75	75	22.28	3294.89	977,255.995	− 343.91	
3462	11	51.80	77	4.51	183.55	978,248.271	34.14	
3463	11	51.91	76	25.35	2083.70	977,512.991	− 327.30	
3464	11	52.22	75	17.60	3372.85	977,233.022	− 351.65	Santa-Rosa-de-Ocope
3465	11	52.26	75	19.10	3325.39	977,246.104	− 348.03	Huanchar-Iglesia
3466	11	52.28	75	24.09	3292.96	977,249.695	− 350.91	
3467	11	52.35	75	21.62	3286.47	977,257.402	− 344.54	
3468	11	52.39	75	42.65	4020.83	977,076.922	− 378.61	
3469	11	52.41	76	25.63	2041.07	977,532.490	− 316.54	
3470	11	52.65	77	1.04	224.77	978,231.030	24.45	
3471	11	52.71	75	21.23	3281.32	977,255.350	− 347.83	
3472	11	52.73	75	19.73	3304.90	977,248.018	− 350.48	
3473	11	52.77	76	28.37	1748.49	977,611.610	− 295.44	
3474	11	52.78	76	26.31	2017.73	977,546.186	− 307.68	Surco
3475	11	52.87	76	29.33	1644.75	977,639.663	− 287.92	Berruga-Pte
3476	11	52.93	76	27.27	1877.82	977,577.674	− 303.93	
3477	11	52.95	75	20.84	3279.89	977,253.079	− 350.53	
3478	11	53.21	75	42.75	4060.16	977,069.671	− 378.50	
3479	11	53.27	75	23.14	3300.36	977,247.810	− 351.93	
3480	11	53.43	77	3.92	174.10	978,253.146	36.18	
3481	11	53.47	77	1.55	206.64	978,239.678	29.06	
3482	11	53.49	75	20.25	3280.83	977,251.301	− 352.45	Matahuasi
3483	11	53.52	75	20.25	3280.82	977,250.692	− 353.08	Matahuasi
3484	11	53.60	75	22.47	3279.01	977,253.055	− 351.12	
3485	11	53.95	75	42.70	4161.87	977,049.321	− 378.97	
3486	11	54.02	76	30.79	1497.65	977,714.421	− 242.87	
3487	11	54.37	76	34.26	1277.54	977,801.063	− 199.81	
3488	11	54.40	75	21.50	3277.73	977,250.489	− 354.43	
3489	11	54.44	75	19.58	3293.24	977,252.864	− 349.00	
3490	11	54.45	76	35.13	1128.58	977,851.295	− 178.95	
3491	11	54.49	77	2.09	181.02	978,250.757	34.50	
3492	11	54.50	76	34.91	1223.65	977,819.626	− 191.94	
3493	11	54.52	76	32.26	1405.61	977,757.174	− 218.56	Cocachacra
3494	11	54.62	75	42.42	4259.97	977,030.238	− 378.84	
3495	11	54.63	76	36.53	1104.15	977,861.416	− 173.75	
3496	11	54.71	75	19.34	3301.53	977,255.761	− 344.61	
3497	11	54.92	76	33.33	1348.44	977,778.926	− 208.32	
3498	11	55.02	76	40.01	920.12	977,933.624	− 137.97	
3499	11	55.08	75	19.03	3282.90	977,260.107	− 344.20	Consepcion-Plaza
3500	11	55.14	76	37.49	1076.71	977,872.446	− 168.42	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3501	11	55.17	76	39.39	967.41	977,916.489	− 145.89	
3502	11	55.19	77	2.34	148.49	978,258.925	35.88	
3503	11	55.22	76	40.92	877.22	977,949.164	− 130.98	
3504	11	55.29	76	38.51	1018.22	977,895.539	− 156.93	
3505	11	55.67	75	42.47	4199.42	977,042.934	− 378.90	
3506	11	55.78	77	4.02	107.21	978,268.275	36.79	
3507	11	55.81	77	2.60	124.20	978,264.959	36.78	
3508	11	55.90	76	41.70	861.01	977,957.864	− 125.88	Chosica
3509	11	55.91	75	18.69	3296.78	977,259.626	− 342.42	
3510	11	56.07	75	19.92	3251.90	977,262.935	− 348.14	
3511	11	56.10	76	41.73	847.62	977,966.602	− 119.89	Chosica
3512	11	56.17	75	18.21	3263.37	977,266.448	− 342.41	
3513	11	56.33	75	17.76	3254.59	977,266.549	− 344.15	
3514	11	56.51	75	42.51	4178.99	977,047.716	− 378.71	
3515	11	56.53	76	42.46	819.26	977,981.100	− 111.23	
3516	11	56.60	77	3.87	95.11	978,272.055	37.70	Infantas
3517	11	56.76	76	43.21	771.29	978,003.445	− 98.44	
3518	11	56.81	75	17.04	3250.15	977,267.390	− 344.48	
3519	11	56.88	75	19.03	3244.42	977,268.035	− 345.02	
3520	11	57.17	77	3.04	97.82	978,273.453	39.28	
3521	11	57.31	75	42.03	4153.45	977,052.967	− 379.05	
3522	11	57.43	75	16.34	3248.04	977,267.353	− 345.32	
3523	11	57.59	77	3.63	76.69	978,277.217	38.66	
3524	11	57.80	77	3.29	77.66	978,279.423	40.92	
3525	11	57.81	75	18.29	3239.63	977,267.827	− 346.75	
3526	11	58.10	75	15.96	3233.96	977,271.182	− 344.70	
3527	11	58.35	77	3.42	70.78	978,282.183	42.00	
3528	11	58.37	76	46.25	647.00	978,052.086	− 75.18	
3529	11	58.46	75	41.91	4181.48	977,046.400	− 380.72	
3530	11	58.53	76	46.94	615.15	978,064.725	− 68.89	
3531	11	58.53	75	17.70	3232.56	977,269.056	− 347.37	
3532	11	58.67	75	15.64	3237.82	977,273.397	− 342.06	
3533	11	58.76	76	48.01	571.86	978,083.323	− 58.93	
3534	11	59.16	76	48.98	528.83	978,107.814	− 43.12	
3535	11	59.41	75	42.49	4187.47	977,042.149	− 384.35	
3536	11	59.53	75	15.17	3237.33	977,272.240	− 343.84	
3537	11	59.61	76	49.98	454.82	978,126.355	− 39.38	
3538	11	59.62	77	3.19	65.82	978,284.196	42.27	
3539	12	0.14	76	51.04	481.27	978,133.508	− 27.36	
3540	12	0.17	75	14.83	3245.22	977,270.196	− 344.71	
3541	12	0.33	76	52.03	447.01	978,150.367	− 17.33	
3542	12	0.34	75	42.38	4326.13	977,014.332	− 385.00	
3543	12	0.43	77	3.06	81.19	978,281.097	41.69	
3544	12	0.70	76	53.14	400.75	978,168.070	− 8.93	SantaClara
3545	12	0.96	76	53.89	370.67	978,179.880	− 3.17	
3546	12	1.00	77	6.40	32.00	978,292.380	42.99	Jorge-Chavez-AP
3547	12	1.16	75	20.78	3369.11	977,236.206	− 354.65	
3548	12	1.21	75	41.15	4432.18	976,994.558	− 384.08	
3549	12	1.27	77	2.80	112.83	978,276.490	42.76	
3550	12	1.32	76	54.95	345.84	978,194.798	6.66	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3551	12	1.50	75	19.91	3337.51	977,243.069	− 354.28	
3552	12	1.74	76	55.45	305.58	978,212.088	15.81	
3553	12	1.89	75	15.57	3215.86	977,268.674	− 353.13	
3554	12	1.92	77	2.47	132.50	978,270.132	39.85	
3555	12	2.00	75	40.65	4510.02	976,977.656	− 385.88	
3556	12	2.28	75	18.94	3313.00	977,249.084	− 353.62	Huancayo-Observatorio
3557	12	2.30	75	19.40	3313.00	977,249.000	− 353.72	Magnetic-Room
3558	12	2.37	75	40.60	4594.74	976,961.454	− 385.34	
3559	12	2.43	75	15.06	3207.74	977,270.434	− 353.31	
3560	12	2.47	77	2.95	125.84	978,271.385	39.46	
3561	12	2.51	77	3.45	99.83	978,277.333	40.29	
3562	12	2.56	76	56.54	288.42	978,218.836	18.69	
3563	12	2.59	75	18.46	3299.60	977,250.210	− 355.35	
3564	12	2.70	77	5.65	41.78	978,288.925	40.41	
3565	12	2.79	77	6.83	9.84	978,296.916	42.10	
3566	12	2.88	77	8.34	4.96	978,298.852	43.02	
3567	12	2.90	75	17.48	3258.56	977,258.103	− 355.81	Casa-Sr.Yauri
3568	12	2.90	77	7.92	6.13	978,297.843	42.23	
3569	12	2.98	75	14.65	3205.87	977,269.529	− 354.92	Pilcomayo
3570	12	2.99	75	40.69	4451.19	976,988.776	− 387.15	
3571	12	2.99	75	13.88	3243.65	977,266.730	− 350.21	
3572	12	3.03	75	16.85	3240.76	977,259.709	− 357.83	
3573	12	3.08	75	21.08	3305.34	977,242.611	− 362.11	
3574	12	3.08	75	19.56	3300.80	977,249.708	− 355.92	
3575	12	3.11	76	57.76	251.96	978,233.262	25.64	
3576	12	3.12	75	13.01	3258.88	977,265.540	− 348.45	
3577	12	3.14	75	20.69	3301.34	977,246.617	− 358.94	
3578	12	3.20	75	15.92	3220.09	977,263.419	− 358.34	
3579	12	3.20	75	17.55	3285.44	977,251.125	− 357.63	
3580	12	3.40	75	18.27	3291.16	977,250.298	− 357.44	
3581	12	3.43	75	17.21	3261.76	977,254.342	− 359.27	Chupaca
3582	12	3.47	75	41.23	4398.41	976,999.305	− 387.48	
3583	12	3.52	75	40.76	4454.10	976,987.282	− 388.39	
3584	12	3.64	75	40.18	4444.89	976,990.107	− 387.47	
3585	12	3.92	77	1.87	132.93	978,266.368	34.94	Estadio-nacional
3586	12	3.92	77	0.23	168.61	978,257.775	33.33	
3587	12	3.92	75	12.52	3249.00	977,267.590	− 348.86	
3588	12	3.92	75	12.51	3249.22	977,268.346	− 348.06	
3589	12	4.00	77	1.50	140.21	978,264.806	34.76	
3590	12	4.05	77	2.00	129.00	978,268.278	36.00	
3591	12	4.28	75	39.78	4557.86	976,968.095	− 387.25	
3592	12	4.30	77	1.23	140.13	978,264.754	34.51	
3593	12	4.62	75	12.07	3243.57	977,271.045	− 346.91	Sapallanga
3594	12	4.87	75	19.08	3308.63	977,242.146	− 363.02	
3595	12	4.94	75	19.20	3376.86	977,229.611	− 362.02	Nahuinpuquio
3596	12	5.01	77	2.03	129.00	978,271.786	38.92	
3597	12	5.01	75	18.54	3264.77	977,252.422	− 361.56	
3598	12	5.06	75	39.21	4548.22	976,968.165	− 389.60	
3599	12	5.10	75	11.75	3234.39	977,275.074	− 345.01	
3600	12	5.16	75	12.66	3220.24	977,271.405	− 351.53	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3601	12	5.28	77	0.92	126.00	978,264.372	30.75	
3602	12	5.29	75	11.67	3235.16	977,274.269	− 345.78	
3603	12	5.59	75	17.85	3261.09	977,251.941	− 363.13	
3604	12	5.62	75	38.29	4543.19	976,967.595	− 391.52	
3605	12	5.71	75	11.41	3236.72	977,275.360	− 344.63	
3606	12	5.92	75	12.97	3204.30	977,276.316	− 350.26	
3607	12	6.00	77	0.90	126.00	978,265.608	31.55	Lima-GEOGR
3608	12	6.09	75	37.90	4467.73	976,984.434	− 390.08	
3609	12	6.49	75	17.02	3236.43	977,257.076	− 363.46	
3610	12	6.57	75	12.85	3214.78	977,274.361	− 350.53	
3611	12	6.60	75	10.84	3269.57	977,271.998	− 342.01	
3612	12	6.85	75	12.93	3188.93	977,279.784	− 350.42	
3613	12	7.08	75	37.40	4524.40	976,973.764	− 390.01	Minas-jatunhusi
3614	12	7.41	75	10.32	3278.31	977,271.060	− 341.70	
3615	12	7.52	75	13.11	3206.65	977,275.331	− 351.76	
3616	12	7.83	75	15.96	3269.24	977,253.282	− 361.55	
3617	12	7.83	75	36.48	4556.71	976,968.532	− 389.24	
3618	12	7.89	75	9.98	3285.50	977,270.505	− 341.13	Sapallanga-Escuela
3619	12	7.93	75	37.03	4596.06	976,959.412	− 390.54	
3620	12	8.00	75	13.26	3200.89	977,276.391	− 352.14	Huayucachi
3621	12	8.14	75	9.79	3280.31	977,270.681	− 342.14	
3622	12	8.33	75	9.64	3284.95	977,269.301	− 342.71	
3623	12	8.34	75	9.65	3283.88	977,269.759	− 342.47	
3624	12	8.44	75	37.03	4633.41	976,952.093	− 390.69	
3625	12	8.69	75	37.94	4563.83	976,965.105	− 391.77	
3626	12	8.69	75	15.00	3225.41	977,260.233	− 363.85	
3627	12	8.86	75	13.02	3224.15	977,271.097	− 353.34	
3628	12	9.04	75	14.51	3166.85	977,274.052	− 361.90	
3629	12	9.08	75	9.13	3291.18	977,271.481	− 339.76	
3630	12	9.29	75	13.95	3181.29	977,273.652	− 359.58	
3631	12	9.44	75	37.54	4581.66	976,961.772	− 391.99	
3632	12	9.68	75	12.61	3226.85	977,270.980	− 353.43	
3633	12	10.07	75	8.59	3358.17	977,257.946	− 340.57	Pucara-Plaza
3634	12	10.10	75	12.28	3232.48	977,268.921	− 354.63	
3635	12	10.11	75	37.51	4595.19	976,959.220	− 392.25	Incacocha-Lag.
3636	12	10.50	75	8.47	3460.42	977,238.651	− 339.76	
3637	12	10.70	75	37.90	4605.40	976,957.351	− 392.43	
3638	12	11.08	75	8.06	3590.59	977,211.926	− 340.91	
3639	12	11.31	75	38.25	4532.76	976,972.328	− 392.39	
3640	12	11.35	75	8.02	3675.31	977,195.180	− 340.93	
3641	12	11.73	75	10.83	3417.49	977,236.836	− 350.89	
3642	12	11.87	75	7.63	3761.87	977,180.406	− 338.77	
3643	12	12.09	75	37.80	4558.13	976,968.164	− 391.95	
3644	12	12.40	75	10.27	3507.60	977,219.850	− 350.35	
3645	12	12.56	75	38.15	4535.69	976,972.967	− 391.94	
3646	12	13.06	75	9.84	3525.60	977,216.195	− 350.83	
3647	12	13.14	75	6.67	3914.73	977,156.749	− 332.70	Moreoballe
3648	12	13.58	75	5.99	3902.53	977,159.061	− 333.10	
3649	12	13.72	75	37.92	4618.47	976,956.255	− 392.79	
3650	12	13.82	75	38.39	4725.68	976,934.088	− 393.53	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3651	12	13.95	75	44.05	3583.47	977,126.524	− 429.52	
3652	12	14.05	75	44.61	3539.60	977,135.558	− 429.29	Tomas
3653	12	14.22	75	5.54	3978.07	977,158.180	− 319.30	
3654	12	14.40	75	43.47	3635.57	977,120.227	− 425.71	Siria
3655	12	14.52	75	8.58	3681.17	977,187.714	− 349.20	Pavahuarco
3656	12	14.57	75	44.87	3471.48	977,129.523	− 449.22	
3657	12	14.86	75	43.02	3713.65	977,111.408	− 419.24	Huancachi
3658	12	15.04	75	8.44	3714.22	977,180.393	− 350.26	
3659	12	15.25	75	45.39	3435.30	977,133.879	− 452.50	
3660	12	15.28	75	4.09	3793.38	977,182.859	− 332.15	Pazos-Banco-Nacional
3661	12	15.31	75	42.61	3752.88	977,103.887	− 419.22	
3662	12	15.52	75	38.27	4458.55	976,985.754	− 396.44	
3663	12	15.76	75	3.42	3765.31	977,187.957	− 332.95	
3664	12	15.83	75	46.20	3338.04	977,164.988	− 441.12	
3665	12	15.84	75	41.99	3831.21	977,091.453	− 416.35	
3666	12	16.03	75	38.64	4360.58	977,003.237	− 398.89	
3667	12	16.04	75	7.21	3816.79	977,162.566	− 348.24	
3668	12	16.17	75	3.30	3839.34	977,172.357	− 334.03	
3669	12	16.51	75	39.76	4197.94	977,029.936	− 405.03	
3670	12	16.52	75	2.66	3932.95	977,156.817	− 331.10	
3671	12	16.57	75	47.06	3233.02	977,201.696	− 425.77	Alis
3672	12	16.68	75	40.59	4099.87	977,048.061	− 406.61	
3673	12	16.90	75	6.30	3885.81	977,147.574	− 349.99	
3674	12	17.01	75	41.27	4003.18	977,069.171	− 405.03	Tinco
3675	12	17.20	75	2.17	3912.23	977,160.708	− 331.78	
3676	12	17.36	75	48.30	3072.82	977,241.482	− 418.33	
3677	12	17.57	75	5.36	3837.63	977,160.319	− 347.29	
3678	12	17.60	75	2.69	3935.05	977,154.041	− 334.14	
3679	12	17.85	75	1.85	3866.86	977,168.918	− 333.03	
3680	12	18.03	75	48.64	3022.46	977,254.939	− 415.30	
3681	12	18.47	75	2.29	4069.73	977,126.045	− 335.77	
3682	12	18.52	75	48.96	2990.27	977,258.515	− 418.44	
3683	12	18.53	75	4.69	3745.76	977,177.858	− 348.68	
3684	12	19.17	75	49.37	2937.42	977,274.004	− 413.85	
3685	12	19.34	75	4.41	3689.63	977,185.818	− 352.42	
3686	12	19.66	74	57.82	4280.17	977,095.994	− 324.49	
3687	12	19.68	75	4.04	3630.19	977,197.267	− 353.04	
3688	12	19.72	74	58.57	4264.46	977,098.091	− 325.58	
3689	12	19.75	74	59.17	4240.00	977,100.970	− 327.61	
3690	12	19.76	75	1.81	4187.29	977,099.313	− 339.81	
3691	12	19.76	74	48.96	3368.43	977,276.310	− 326.19	
3692	12	19.87	75	0.51	4235.90	977,092.166	− 337.31	
3693	12	19.91	75	49.33	2897.38	977,283.575	− 412.70	
3694	12	19.94	74	59.81	4264.14	977,088.604	− 335.27	
3695	12	20.05	74	48.46	3405.09	977,273.167	− 322.23	
3696	12	20.16	75	1.10	4194.83	977,099.981	− 337.89	
3697	12	20.17	74	56.36	4212.70	977,111.939	− 322.36	
3698	12	20.29	74	49.37	3322.53	977,288.185	− 323.79	
3699	12	20.33	75	3.65	3608.12	977,202.006	− 353.11	
3700	12	20.58	75	49.42	2869.89	977,284.173	− 417.98	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3701	12	20.73	74	55.96	4113.54	977,134.102	− 320.38	
3702	12	20.78	74	48.32	3470.29	977,259.949	− 322.91	
3703	12	20.80	74	49.69	3274.11	977,296.933	− 325.00	
3704	12	21.12	75	49.83	2833.86	977,289.878	− 419.77	
3705	12	21.20	74	55.63	4034.56	977,149.134	− 321.42	
3706	12	21.23	74	50.23	3213.18	977,308.733	− 325.59	
3707	12	21.60	74	55.18	3829.28	977,188.052	− 323.75	
3708	12	21.61	74	48.34	3531.72	977,246.510	− 324.63	
3709	12	21.61	75	3.07	3598.74	977,203.997	− 353.79	
3710	12	21.73	74	46.73	3880.35	977,174.671	− 327.01	
3711	12	21.74	74	47.60	3731.21	977,206.182	− 325.27	
3712	12	21.79	74	46.21	3819.08	977,188.267	− 325.69	
3713	12	21.88	75	49.87	2795.24	977,295.761	− 422.03	
3714	12	21.89	74	50.63	3199.68	977,309.944	− 327.49	
3715	12	21.93	75	2.41	3529.07	977,216.860	− 355.01	
3716	12	22.12	74	54.87	3695.76	977,214.236	− 324.52	
3717	12	22.20	75	50.28	2777.91	977,294.025	− 427.41	
3718	12	22.28	74	48.01	3569.39	977,240.832	− 323.23	
3719	12	22.45	74	54.34	3606.30	977,230.560	− 326.25	
3720	12	22.48	75	50.59	2770.53	977,296.215	− 426.86	
3721	12	22.52	75	2.90	3366.37	977,244.205	− 360.45	
3722	12	22.60	74	51.10	3233.24	977,304.680	− 326.52	
3723	12	22.69	75	2.87	3449.53	977,230.841	− 357.36	
3724	12	22.71	75	50.65	2763.34	977,296.867	− 427.78	
3725	12	22.84	74	54.18	3505.57	977,250.324	− 326.81	
3726	12	22.92	74	43.88	3812.25	977,187.574	− 328.45	
3727	12	22.95	75	3.24	3280.52	977,259.159	− 362.85	
3728	12	22.95	74	47.78	3660.51	977,225.007	− 321.31	
3729	12	22.96	74	41.87	3309.15	977,284.640	− 331.68	
3730	12	23.08	75	3.28	3211.29	977,272.261	− 363.61	
3731	12	23.14	74	42.12	3532.94	977,237.941	− 333.93	
3732	12	23.19	74	43.27	3736.83	977,198.428	− 332.82	
3733	12	23.20	74	40.95	3146.06	977,316.365	− 332.55	
3734	12	23.23	74	52.12	3233.25	977,303.335	− 328.25	Rio-Pampas-Pte.
3735	12	23.29	74	41.63	3243.42	977,295.708	− 333.90	
3736	12	23.36	74	53.75	3409.02	977,267.231	− 329.46	
3737	12	23.40	74	51.53	3249.54	977,302.112	− 326.35	Pampas-Capilla
3738	12	23.48	74	41.64	3378.50	977,270.358	− 332.48	
3739	12	23.51	74	41.79	3465.81	977,250.602	− 334.87	
3740	12	23.59	74	45.49	3814.79	977,199.203	− 316.74	
3741	12	23.67	74	52.02	3255.72	977,301.283	− 326.12	
3742	12	23.74	74	41.45	3074.29	977,333.470	− 330.06	
3743	12	23.82	75	50.82	2720.35	977,320.492	− 413.38	
3744	12	23.98	75	2.60	3053.56	977,299.855	− 367.94	
3745	12	24.02	74	40.91	3002.97	977,348.159	− 329.72	
3746	12	24.04	75	50.86	2695.14	977,325.705	− 413.31	
3747	12	24.06	74	40.24	3000.50	977,347.885	− 330.51	
3748	12	24.19	74	39.66	3040.86	977,337.416	− 333.04	
3749	12	24.48	74	40.80	2958.72	977,355.442	− 331.52	Colcabamba-Plaza
3750	12	24.57	75	51.19	2654.53	977,335.760	− 411.64	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3751	12	24.89	75	2.06	2983.59	977,308.400	− 373.88	
3752	12	24.98	74	39.53	3021.62	977,338.803	− 335.98	
3753	12	25.70	75	1.40	2943.11	977,317.873	− 372.96	
3754	12	26.41	74	39.17	2998.83	977,350.366	− 329.84	Tocas-Iglesia
3755	12	26.53	75	1.11	2911.50	977,322.307	− 375.33	
3756	12	27.54	74	46.95	2664.80	977,394.148	− 353.10	
3757	12	27.55	75	53.62	2376.72	977,417.775	− 386.58	
3758	12	27.58	75	0.59	2929.06	977,317.864	− 376.95	
3759	12	27.66	74	47.81	2704.08	977,387.178	− 352.35	
3760	12	27.83	74	46.22	2664.87	977,399.910	− 347.51	
3761	12	27.91	75	53.89	2606.41	977,392.374	− 366.69	Yauyos
3762	12	27.97	75	53.65	2386.41	977,423.468	− 379.24	
3763	12	28.11	74	48.68	2721.76	977,389.271	− 347.04	
3764	12	28.15	75	53.90	2370.36	977,430.244	− 375.75	
3765	12	28.33	74	45.70	2647.45	977,403.017	− 348.17	
3766	12	28.45	75	54.04	2301.19	977,440.506	− 379.38	
3767	12	28.58	75	0.36	2897.42	977,321.613	− 380.12	
3768	12	28.65	74	44.98	2637.01	977,408.137	− 345.32	
3769	12	28.77	74	49.27	2708.20	977,389.422	− 349.99	
3770	12	28.77	74	44.22	2624.09	977,407.229	− 348.87	
3771	12	29.31	75	54.57	2270.81	977,456.664	− 369.78	
3772	12	29.47	74	49.31	2768.98	977,383.562	− 344.24	
3773	12	29.50	75	54.65	2294.29	977,454.956	− 366.96	
3774	12	29.59	74	50.24	2737.90	977,386.085	− 347.96	
3775	12	29.82	74	43.00	2607.17	977,417.118	− 343.00	
3776	12	29.96	74	59.33	2894.91	977,328.941	− 374.16	Izcuchaca
3777	12	30.16	74	58.48	2883.06	977,336.099	− 369.49	
3778	12	30.19	74	42.36	2622.28	977,418.824	− 338.54	
3779	12	30.29	76	44.24	22.92	978,309.935	40.51	
3780	12	30.31	74	59.24	2914.08	977,332.058	− 367.46	
3781	12	30.37	74	57.04	2858.57	977,340.232	− 370.35	
3782	12	30.37	74	50.82	2753.83	977,373.029	− 358.35	
3783	12	30.47	74	36.90	4149.66	977,143.499	− 309.91	Milpo
3784	12	30.73	74	53.23	2805.84	977,361.059	− 360.22	
3785	12	30.80	74	51.31	2794.67	977,363.336	− 360.21	
3786	12	30.82	74	57.80	3076.18	977,304.376	− 363.26	
3787	12	30.82	76	43.82	19.85	978,310.711	40.34	
3788	12	31.04	74	52.84	2789.15	977,361.795	− 363.00	
3789	12	31.15	74	56.71	2870.24	977,340.466	− 368.29	
3790	12	31.21	74	41.33	2581.53	977,416.450	− 349.64	
3791	12	31.23	74	54.40	2803.69	977,350.509	− 371.52	
3792	12	31.29	74	52.12	2784.27	977,366.150	− 359.77	
3793	12	31.44	74	57.15	3231.18	977,277.523	− 359.68	
3794	12	31.60	74	36.18	4078.16	977,158.319	− 310.10	
3795	12	31.66	74	35.57	4152.60	977,140.458	− 313.12	
3796	12	31.77	74	56.42	2827.59	977,348.109	− 369.51	
3797	12	31.85	74	55.72	2821.72	977,350.489	− 368.35	
3798	12	32.07	74	56.82	3316.16	977,266.027	− 354.66	
3799	12	32.30	76	43.13	2.79	978,312.926	38.28	
3800	12	32.60	74	57.12	3403.82	977,250.984	− 352.59	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3801	12	32.67	74	41.70	2548.07	977,415.874	− 357.78	
3802	12	32.72	74	35.20	4279.53	977,114.951	− 313.92	
3803	12	33.40	74	57.12	3501.45	977,231.351	− 353.29	
3804	12	33.41	74	34.72	4253.14	977,120.767	− 313.82	
3805	12	33.74	76	41.96	4.29	978,312.008	36.74	
3806	12	33.82	74	34.16	4233.00	977,126.003	− 312.88	
3807	12	33.86	74	41.45	2546.72	977,429.685	− 344.99	
3808	12	34.45	74	34.05	4189.82	977,137.425	− 310.49	
3809	12	34.61	74	57.16	3696.53	977,185.135	− 361.39	
3810	12	34.62	74	33.48	4238.18	977,125.800	− 312.55	
3811	12	34.69	74	41.53	2536.38	977,428.360	− 348.90	
3812	12	34.71	74	32.81	4267.61	977,116.751	− 315.77	
3813	12	34.79	76	40.24	53.80	978,301.016	34.76	
3814	12	34.91	74	56.52	3726.32	977,178.445	− 362.33	
3815	12	35.02	74	32.15	4240.00	977,125.801	− 312.44	
3816	12	35.07	74	31.35	4127.35	977,149.730	− 311.07	
3817	12	35.18	74	40.76	2526.37	977,436.920	− 342.63	
3818	12	35.20	69	11.53	197.70	978,208.836	− 29.51	
3819	12	35.33	74	56.04	3783.51	977,162.319	− 367.31	
3820	12	35.44	69	12.32	197.77	978,209.150	− 29.34	28-de-Julio
3821	12	35.51	69	13.16	195.02	978,208.943	− 30.13	
3822	12	35.60	69	10.56	196.33	978,209.808	− 29.07	Puerot-Maldonado-Plaza
3823	12	35.82	74	40.10	2521.65	977,436.970	− 343.93	
3824	12	35.94	69	13.83	190.08	978,209.482	− 30.83	La-Joya
3825	12	35.96	74	56.75	3741.78	977,171.804	− 366.56	
3826	12	36.12	74	30.67	4020.14	977,168.469	− 314.42	
3827	12	36.29	74	57.08	3687.51	977,182.316	− 367.08	
3828	12	36.38	74	30.01	4023.42	977,166.363	− 316.04	
3829	12	36.58	72	31.78	834.29	978,011.274	− 103.10	
3830	12	36.58	76	39.94	99.60	978,292.567	34.13	
3831	12	36.64	72	31.24	822.28	978,015.522	− 101.25	
3832	12	36.65	69	14.36	195.02	978,206.883	− 32.92	
3833	12	36.73	72	30.55	788.96	978,021.320	− 102.06	
3834	12	36.79	74	39.18	2494.33	977,441.974	− 344.96	
3835	12	36.81	72	26.28	845.40	978,009.599	− 102.74	Santiago
3836	12	36.81	74	29.43	3997.15	977,174.413	− 313.52	Chonta
3837	12	36.86	72	25.98	924.63	977,994.071	− 102.73	
3838	12	36.93	72	29.85	814.77	978,017.978	− 100.46	
3839	12	37.04	72	25.33	917.17	977,998.068	− 100.32	
3840	12	37.05	74	56.79	3640.83	977,186.092	− 373.10	
3841	12	37.06	72	29.41	836.29	978,014.412	− 99.88	
3842	12	37.11	74	29.08	3988.75	977,176.220	− 313.58	
3843	12	37.11	72	32.18	772.84	978,022.566	− 104.22	
3844	12	37.18	72	24.43	971.68	977,990.063	− 97.69	
3845	12	37.22	72	23.62	895.71	978,000.421	− 102.29	
3846	12	37.29	72	27.08	837.73	978,011.818	− 102.33	
3847	12	37.31	69	14.70	207.95	978,203.237	− 34.46	
3848	12	37.32	74	28.65	4079.45	977,159.273	− 312.54	
3849	12	37.35	72	28.43	828.14	978,012.891	− 103.19	
3850	12	37.48	74	28.17	4195.12	977,135.593	− 313.20	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3851	12	37.51	72	22.86	899.23	978,002.618	− 99.59	Chanchamayo-Pte.
3852	12	37.55	74	55.90	3813.77	977,152.002	− 373.02	
3853	12	37.66	74	38.71	2496.75	977,440.310	− 346.70	
3854	12	37.66	74	27.10	4144.67	977,153.096	− 305.90	
3855	12	37.75	74	56.31	3712.28	977,174.319	− 371.07	
3856	12	37.78	72	33.01	758.74	978,025.019	− 104.96	
3857	12	37.78	74	27.51	4275.15	977,123.171	− 309.81	
3858	12	37.88	74	57.01	3568.56	977,199.816	− 374.31	
3859	12	37.97	72	27.72	829.92	978,010.540	− 105.58	
3860	12	37.98	69	15.40	210.40	978,201.375	− 36.27	
3861	12	38.06	74	55.43	3883.42	977,137.173	− 374.26	
3862	12	38.06	74	26.49	4045.52	977,172.922	− 306.15	
3863	12	38.07	72	22.37	903.26	978,001.199	− 100.58	
3864	12	38.14	74	56.64	3628.49	977,187.232	− 375.12	
3865	12	38.29	72	33.42	753.72	978,024.631	− 106.66	Quellouno
3866	12	38.30	74	56.90	3542.26	977,203.578	− 376.06	
3867	12	38.30	76	38.86	43.32	978,302.605	32.05	
3868	12	38.31	74	55.01	3900.18	977,132.681	− 375.57	
3869	12	38.36	74	25.90	3973.62	977,187.809	− 305.81	
3870	12	38.47	69	16.10	211.59	978,200.272	− 37.45	
3871	12	38.50	72	21.73	914.22	978,000.306	− 99.59	Muyupay
3872	12	38.52	74	54.43	3963.00	977,122.204	− 373.64	
3873	12	38.55	72	32.69	943.04	977,993.795	− 100.47	
3874	12	38.60	74	57.37	3510.28	977,204.240	− 381.97	
3875	12	38.72	72	32.12	902.55	978,001.480	− 100.85	
3876	12	38.75	69	16.92	211.38	978,199.640	− 38.30	
3877	12	38.82	72	33.36	1012.79	977,980.588	− 100.14	
3878	12	38.91	72	34.05	920.19	977,996.562	− 102.43	
3879	12	39.03	69	17.73	208.54	978,199.427	− 39.26	Escuela-Mixta-KM-11
3880	12	39.20	72	21.16	934.21	977,991.526	− 104.89	Tirichuay-Pte.
3881	12	39.21	74	25.99	3871.12	977,204.783	− 309.85	
3882	12	39.29	72	20.36	952.19	977,988.295	− 104.65	
3883	12	39.31	71	19.54	432.82	978,083.932	− 110.99	
3884	12	39.35	69	18.60	201.48	978,200.072	− 40.20	
3885	12	39.36	74	53.77	4013.65	977,112.313	− 373.95	
3886	12	39.41	74	37.14	2459.06	977,443.242	− 352.36	
3887	12	39.44	72	31.77	828.09	978,013.821	− 103.60	
3888	12	39.57	76	37.84	40.91	978,298.087	26.25	
3889	12	39.63	69	19.37	214.89	978,196.240	− 41.58	Paramonga
3890	12	39.79	72	19.55	968.27	977,982.863	− 107.24	
3891	12	39.92	69	20.14	212.12	978,194.950	− 43.60	
3892	12	40.01	74	54.10	4063.37	977,100.960	− 375.79	
3893	12	40.06	74	36.60	2437.68	977,448.344	− 351.91	
3894	12	40.08	72	18.81	974.44	977,982.266	− 106.81	
3895	12	40.09	71	17.37	439.12	978,088.213	− 105.97	
3896	12	40.11	72	31.61	770.89	978,019.573	− 109.52	
3897	12	40.13	76	37.67	9.11	978,302.522	24.10	
3898	12	40.21	69	21.05	214.49	978,192.715	− 45.56	
3899	12	40.23	74	35.81	2407.04	977,449.688	− 356.75	
3900	12	40.43	72	18.10	997.75	977,974.368	− 110.35	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3901	12	40.43	69	21.85	215.57	978,190.183	− 48.02	
3902	12	40.62	72	17.32	1024.07	977,968.945	− 110.72	
3903	12	40.65	71	20.72	488.34	978,066.190	− 118.70	
3904	12	40.71	69	22.58	226.26	978,185.017	− 51.27	Fatima
3905	12	40.72	72	31.23	779.65	978,013.321	− 114.44	
3906	12	40.80	74	54.62	4095.90	977,093.644	− 377.12	
3907	12	40.95	72	16.50	1123.80	977,951.808	− 108.45	
3908	12	40.96	69	23.33	215.91	978,187.058	− 51.42	
3909	12	40.96	71	15.10	418.55	978,091.190	− 107.59	Shintuya
3910	12	40.97	74	35.28	2411.91	977,458.584	− 347.36	
3911	12	41.11	74	25.84	3698.39	977,232.254	− 318.07	
3912	12	41.14	72	15.77	1141.52	977,945.234	− 111.66	
3913	12	41.25	72	31.11	788.40	978,008.072	− 118.32	
3914	12	41.39	69	24.22	220.13	978,184.200	− 53.73	Leticia
3915	12	41.41	74	25.55	3691.51	977,234.075	− 317.81	
3916	12	41.41	74	54.70	4083.70	977,097.276	− 376.32	
3917	12	41.46	74	34.64	2405.44	977,457.688	− 349.86	
3918	12	41.58	72	15.11	1162.72	977,939.716	− 113.29	
3919	12	41.62	69	25.07	223.00	978,181.871	− 55.64	
3920	12	41.64	74	54.50	4091.73	977,096.670	− 375.46	
3921	12	41.93	69	25.90	221.62	978,181.636	− 56.35	Escuela-Mixta-KM-27
3922	12	42.07	72	31.39	801.53	978,006.564	− 117.78	
3923	12	42.19	74	33.57	2396.48	977,464.381	− 345.41	
3924	12	42.20	72	14.33	1137.50	977,940.341	− 118.02	
3925	12	42.26	74	54.37	4073.91	977,100.698	− 375.39	
3926	12	42.26	69	26.72	233.37	978,178.714	− 57.18	
3927	12	42.52	69	27.41	234.38	978,177.566	− 58.30	Zona-KM-31
3928	12	42.57	72	13.54	1152.81	977,933.425	− 122.17	
3929	12	42.64	74	24.72	3506.90	977,268.371	− 321.11	
3930	12	42.72	74	53.90	4023.19	977,109.826	− 376.70	
3931	12	42.81	69	28.27	229.27	978,178.094	− 58.96	escuela
3932	12	42.87	74	32.69	2399.56	977,459.923	− 349.69	
3933	12	42.91	72	31.60	803.57	978,000.205	− 124.28	
3934	12	42.97	74	54.73	4055.91	977,102.191	− 377.96	
3935	12	43.01	74	24.42	3424.77	977,285.615	− 320.46	
3936	12	43.05	69	29.06	232.46	978,176.829	− 59.76	San-Fransico
3937	12	43.27	74	23.96	3403.08	977,288.941	− 321.62	
3938	12	43.27	72	12.62	1202.45	977,921.640	− 124.64	
3939	12	43.39	69	29.84	233.04	978,176.246	− 60.45	
3940	12	43.53	71	22.07	464.41	978,064.639	− 126.80	
3941	12	43.55	74	54.24	4133.21	977,089.296	− 375.78	
3942	12	43.57	72	32.10	888.93	977,980.654	− 127.48	
3943	12	43.59	72	12.29	1198.36	977,919.103	− 128.18	Huachibamba
3944	12	43.60	72	33.53	833.25	977,990.838	− 128.26	
3945	12	43.65	74	23.51	3413.14	977,287.960	− 320.85	
3946	12	43.67	72	32.75	893.30	977,981.555	− 125.78	
3947	12	43.76	74	32.30	2347.84	977,467.203	− 353.24	
3948	12	43.80	69	30.69	233.89	978,175.395	− 61.39	
3949	12	43.96	72	11.75	1209.58	977,912.091	− 133.22	
3950	12	44.01	74	23.34	3329.28	977,304.292	− 321.45	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
3951	12	44.05	69	31.37	236.20	978,174.052	− 62.45	
3952	12	44.09	72	34.06	899.97	977,975.957	− 130.34	
3953	12	44.22	74	23.13	3274.16	977,315.749	− 321.09	Churcampa
3954	12	44.30	74	54.25	4070.88	977,102.869	− 375.15	
3955	12	44.40	74	23.10	3226.06	977,323.924	− 322.61	
3956	12	44.41	69	32.03	237.13	978,172.932	− 63.62	
3957	12	44.52	74	32.21	2345.12	977,473.249	− 348.22	
3958	12	44.63	72	11.20	1226.60	977,901.818	− 140.58	
3959	12	44.67	76	36.46	3.47	978,308.066	25.62	
3960	12	44.74	74	22.26	2951.11	977,379.941	− 321.47	
3961	12	44.83	69	32.70	236.78	978,172.349	− 64.54	
3962	12	44.84	74	22.98	3034.41	977,359.998	− 324.93	
3963	12	44.91	72	34.07	879.17	977,973.434	− 137.48	
3964	12	44.98	74	54.92	3861.33	977,141.780	− 378.53	
3965	12	45.07	74	54.29	4018.06	977,111.979	− 377.09	
3966	12	45.10	72	10.92	1269.78	977,894.356	− 139.84	
3967	12	45.10	74	22.13	2863.50	977,399.247	− 319.80	
3968	12	45.24	74	54.44	3945.90	977,127.544	− 376.05	
3969	12	45.24	69	33.21	239.63	978,171.347	− 65.25	
3970	12	45.26	72	34.57	916.53	977,965.462	− 138.34	
3971	12	45.48	74	22.13	2781.66	977,416.768	− 318.77	
3972	12	45.50	74	31.22	2336.06	977,478.298	− 345.60	
3973	12	45.56	72	10.31	1295.67	977,884.137	− 145.26	
3974	12	45.61	76	33.55	64.35	978,282.812	11.66	
3975	12	45.66	74	55.19	3704.55	977,168.827	− 383.20	
3976	12	45.67	76	35.27	26.66	978,297.725	19.17	
3977	12	45.67	72	35.15	893.63	977,962.615	− 145.95	
3978	12	45.70	69	33.96	235.47	978,172.214	− 65.49	
3979	12	45.72	71	22.19	537.53	978,045.147	− 133.37	
3980	12	45.78	74	22.19	2713.81	977,427.805	− 321.40	
3981	12	45.85	74	30.29	2334.67	977,483.074	− 341.32	
3982	12	45.88	74	54.74	3768.14	977,159.447	− 380.04	
3983	12	46.15	69	34.63	236.82	978,171.737	− 66.00	Mira-Flores
3984	12	46.18	72	38.42	969.95	977,947.274	− 146.62	
3985	12	46.22	72	37.71	957.63	977,950.381	− 145.96	
3986	12	46.24	71	22.64	472.49	978,057.043	− 134.57	Rio-Mancillo
3987	12	46.25	72	10.14	1348.17	977,875.699	− 143.81	
3988	12	46.27	74	29.89	2313.54	977,482.819	− 346.04	
3989	12	46.28	75	0.71	3719.82	977,141.428	− 407.96	
3990	12	46.35	74	22.33	2665.12	977,433.696	− 325.53	
3991	12	46.35	72	35.44	908.54	977,962.765	− 143.31	
3992	12	46.36	74	22.76	2585.78	977,447.635	− 327.34	
3993	12	46.40	75	55.29	1269.70	977,769.746	− 265.31	
3994	12	46.42	74	55.84	3635.26	977,179.556	− 386.78	
3995	12	46.46	72	36.24	949.63	977,954.731	− 143.34	
3996	12	46.48	72	36.96	927.22	977,957.467	− 145.03	
3997	12	46.51	74	59.74	3687.37	977,151.403	− 404.60	
3998	12	46.52	72	39.26	946.69	977,950.481	− 148.21	
3999	12	46.57	75	1.57	3770.84	977,129.848	− 409.55	
4000	12	46.59	69	35.47	240.07	978,171.902	− 65.48	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4001	12	46.74	74	57.12	3656.16	977,168.048	− 394.33	
4002	12	46.78	72	39.96	1021.72	977,935.595	− 148.51	
4003	12	46.85	74	23.09	2449.38	977,471.926	− 330.40	
4004	12	46.89	74	59.23	3687.40	977,154.955	− 401.29	
4005	12	46.90	74	56.55	3598.46	977,180.639	− 393.35	
4006	12	46.92	72	9.78	1354.98	977,869.511	− 149.08	
4007	12	47.01	74	29.72	2346.40	977,479.920	− 342.91	
4008	12	47.02	74	58.35	3675.95	977,159.206	− 399.41	Huancav-Catedral
4009	12	47.03	69	36.19	237.13	978,172.920	− 65.32	La-Florida
4010	12	47.09	74	23.14	2378.68	977,483.696	− 332.80	
4011	12	47.11	72	40.29	1066.55	977,923.213	− 152.29	
4012	12	47.30	74	28.74	2319.10	977,483.173	− 345.25	
4013	12	47.37	75	2.20	3773.60	977,128.763	− 410.60	
4014	12	47.41	69	36.93	240.62	978,172.461	− 65.35	
4015	12	47.51	74	23.32	2283.06	977,502.585	− 333.11	
4016	12	47.72	74	26.32	2232.24	977,500.685	− 345.21	
4017	12	47.74	72	40.76	975.14	977,929.978	− 163.91	
4018	12	47.74	72	40.75	971.80	977,932.649	− 161.90	
4019	12	47.75	72	40.70	1037.01	977,925.587	− 156.14	
4020	12	47.76	69	37.60	238.19	978,173.401	− 65.11	
4021	12	47.78	76	25.60	609.27	978,180.120	14.34	
4022	12	47.87	72	9.28	1388.74	977,851.471	− 161.09	
4023	12	47.87	71	22.96	462.07	978,057.178	− 137.53	
4024	12	47.94	74	27.22	2239.36	977,496.870	− 347.75	
4025	12	47.98	74	25.28	2218.76	977,500.642	− 348.08	
4026	12	48.03	74	27.83	2262.61	977,487.119	− 352.96	
4027	12	48.07	74	23.29	2224.57	977,513.752	− 333.88	Mayoc-Iglesia
4028	12	48.12	69	38.24	233.24	978,174.477	− 65.24	
4029	12	48.12	74	23.52	2200.65	977,516.969	− 335.43	
4030	12	48.13	76	24.22	648.50	978,158.810	0.50	
4031	12	48.24	75	2.83	3787.58	977,123.326	− 413.81	
4032	12	48.39	74	24.36	2205.18	977,509.432	− 342.25	
4033	12	48.51	74	22.97	2182.31	977,524.165	− 332.12	
4034	12	48.52	69	38.86	236.48	978,174.162	− 65.18	Virgen-del-Sol
4035	12	48.79	72	9.28	1443.54	977,837.919	− 164.44	Paucarbamba
4036	12	48.97	75	54.74	1039.59	977,817.863	− 264.15	
4037	12	48.99	75	3.79	3842.42	977,113.715	− 412.96	
4038	12	49.10	71	22.61	491.11	978,050.087	− 139.73	
4039	12	49.11	76	23.21	557.26	978,179.124	2.28	
4040	12	49.32	74	22.25	2170.48	977,530.004	− 329.15	
4041	12	49.40	72	8.85	1485.46	977,821.740	− 172.75	Quinuahayarcca
4042	12	49.47	72	41.67	973.00	977,929.763	− 165.67	
4043	12	49.61	75	4.53	3929.31	977,094.554	− 415.18	
4044	12	49.61	69	39.93	233.55	978,174.702	− 65.92	Solitario
4045	12	49.74	74	21.80	2167.14	977,532.659	− 327.43	Mayocc
4046	12	49.83	71	22.81	470.00	978,055.228	− 139.20	
4047	12	50.06	74	20.90	2159.23	977,538.653	− 323.21	
4048	12	50.10	75	5.19	4008.81	977,076.674	− 417.50	
4049	12	50.20	69	40.31	228.82	978,175.328	− 66.60	
4050	12	50.29	72	42.07	987.69	977,923.753	− 169.32	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4051	12	50.30	72	8.32	1538.58	977,804.806	− 179.80	
4052	12	50.43	74	19.74	2152.84	977,544.538	− 318.83	
4053	12	50.48	76	22.56	448.48	978,198.492	− 0.58	
4054	12	50.51	75	5.56	4083.60	977,063.908	− 415.59	
4055	12	50.70	69	40.70	216.12	978,176.572	− 68.17	Triunfo
4056	12	50.75	75	5.49	4254.97	977,034.445	− 410.95	
4057	12	50.82	72	8.10	1582.76	977,797.856	− 178.38	Colca
4058	12	50.90	75	5.72	4240.67	977,035.601	− 412.76	
4059	12	51.09	75	5.79	4133.52	977,057.502	− 412.40	
4060	12	51.12	71	22.44	518.32	978,041.130	− 144.66	
4061	12	51.15	74	19.70	2174.19	977,537.908	− 321.70	
4062	12	51.15	72	7.73	1622.73	977,780.833	− 187.73	
4063	12	51.23	72	42.03	997.26	977,920.643	− 171.16	
4064	12	51.33	69	41.20	224.09	978,176.175	− 67.42	
4065	12	51.37	76	1.62	773.30	977,964.940	− 170.97	
4066	12	51.52	75	5.76	4306.31	977,022.511	− 413.12	
4067	12	51.59	71	21.95	527.81	978,038.062	− 146.18	
4068	12	51.59	72	41.44	1046.87	977,908.094	− 174.19	Quillababma-Convension
4069	12	51.74	69	41.65	222.99	978,177.093	− 66.98	Santa-Maria
4070	12	51.83	72	7.64	1646.47	977,772.775	− 191.55	Huy-huy
4071	12	51.95	71	21.69	546.99	978,032.953	− 147.76	Salvacion
4072	12	52.11	76	22.12	363.82	978,219.708	2.98	
4073	12	52.24	74	19.20	2190.29	977,533.456	− 323.68	
4074	12	52.31	71	21.40	535.85	978,035.620	− 147.51	
4075	12	52.32	72	8.05	1687.41	977,760.075	− 196.49	
4076	12	52.32	75	5.82	4349.11	977,016.243	− 411.35	
4077	12	52.42	69	43.03	224.67	978,176.229	− 67.96	
4078	12	52.46	69	47.99	231.04	978,173.510	− 69.46	
4079	12	52.52	69	48.99	231.61	978,173.004	− 69.89	Zona-KM-84
4080	12	52.55	72	41.08	1019.50	977,903.304	− 184.99	
4081	12	52.58	69	43.88	226.37	978,175.829	− 68.13	
4082	12	52.67	69	44.60	226.45	978,175.720	− 68.29	
4083	12	52.67	71	21.16	506.46	978,042.452	− 146.68	
4084	12	52.72	69	47.17	232.00	978,173.271	− 69.68	Campameto-Caminos
4085	12	52.77	70	1.88	238.41	978,148.596	− 93.13	
4086	12	52.78	69	45.51	224.27	978,176.024	− 68.48	
4087	12	52.85	69	46.39	233.15	978,173.556	− 69.25	
4088	12	52.88	70	2.59	240.09	978,145.569	− 95.90	
4089	12	52.99	72	7.92	1747.18	977,742.115	− 203.09	
4090	12	53.06	69	49.86	232.77	978,171.419	− 71.60	
4091	12	53.08	71	21.42	520.07	978,038.125	− 148.60	
4092	12	53.13	70	1.11	235.83	978,150.885	− 91.58	
4093	12	53.15	75	6.27	4374.89	977,012.080	− 410.89	
4094	12	53.16	72	40.65	1009.19	977,898.502	− 192.22	
4095	12	53.18	72	7.43	1814.68	977,729.498	− 202.50	
4096	12	53.21	74	18.69	2219.03	977,525.649	− 326.43	
4097	12	53.21	69	52.28	231.78	978,168.523	− 74.79	Zona-KM-91
4098	12	53.29	69	59.27	237.16	978,154.126	− 88.19	
4099	12	53.31	76	22.97	292.15	978,233.516	1.96	
4100	12	53.34	69	53.25	231.38	978,167.028	− 76.45	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4101	12	53.34	69	51.39	232.91	978,169.183	− 74.00	
4102	12	53.43	71	23.32	586.05	978,027.393	− 146.62	
4103	12	53.44	70	0.21	236.41	978,152.769	− 89.79	
4104	12	53.46	70	3.18	242.62	978,142.840	− 98.52	
4105	12	53.47	71	21.53	502.23	978,041.263	− 149.22	
4106	12	53.52	69	50.44	232.75	978,170.240	− 73.09	
4107	12	53.55	76	4.99	613.72	978,032.905	− 135.75	
4108	12	53.56	70	4.01	244.99	978,138.188	− 102.77	Primavela
4109	12	53.60	69	58.46	231.64	978,157.383	− 86.22	
4110	12	53.67	69	57.49	232.81	978,158.542	− 84.87	
4111	12	53.71	72	7.13	1877.79	977,718.459	− 201.42	
4112	12	53.74	71	23.77	517.45	978,040.961	− 146.71	
4113	12	53.76	71	21.91	500.20	978,040.785	− 150.28	
4114	12	53.76	71	23.06	653.29	978,009.424	− 151.61	
4115	12	53.94	71	22.72	581.73	978,024.038	− 151.16	
4116	12	53.94	72	40.43	1035.54	977,888.443	− 197.61	
4117	12	53.95	70	5.59	250.75	978,133.816	− 106.27	Apuri
4118	12	53.95	74	18.96	2252.94	977,515.771	− 330.08	
4119	12	53.96	69	53.98	233.86	978,165.252	− 78.15	
4120	12	54.04	71	22.27	497.14	978,041.940	− 149.91	Atalaya
4121	12	54.07	70	4.76	247.25	978,136.912	− 103.94	
4122	12	54.07	75	6.25	4421.52	977,004.125	− 410.12	
4123	12	54.09	69	56.46	235.58	978,159.996	− 83.15	
4124	12	54.12	72	7.19	1937.33	977,710.546	− 197.84	
4125	12	54.34	69	54.77	235.68	978,163.557	− 79.73	
4126	12	54.36	70	6.05	253.28	978,131.888	− 107.97	Caserio-Primavela
4127	12	54.39	74	18.27	2336.49	977,500.898	− 328.70	
4128	12	54.48	72	6.88	1974.69	977,695.650	− 205.59	
4129	12	54.56	70	14.36	289.32	978,112.453	− 120.47	
4130	12	54.62	74	17.85	2360.82	977,497.340	− 327.59	
4131	12	54.63	74	17.45	2409.51	977,489.893	− 325.40	
4132	12	54.64	69	55.60	232.51	978,161.797	− 82.31	
4133	12	54.64	70	6.67	256.42	978,129.994	− 109.43	
4134	12	54.64	74	17.01	2442.27	977,485.186	− 323.62	
4135	12	54.71	72	39.75	1088.14	977,873.724	− 202.48	
4136	12	54.71	70	7.48	261.23	978,127.002	− 111.53	
4137	12	54.72	70	8.28	263.48	978,125.442	− 112.65	Santa-Rita-Baja
4138	12	54.72	70	9.13	266.92	978,122.682	− 114.74	
4139	12	54.72	70	9.99	269.96	978,120.943	− 115.88	
4140	12	54.77	70	10.95	272.96	978,118.923	− 117.35	
4141	12	54.81	70	13.36	287.58	978,113.067	− 120.36	Las-Palmeras
4142	12	54.84	70	12.45	281.68	978,114.931	− 119.68	
4143	12	54.85	74	16.13	2491.68	977,479.428	− 319.73	
4144	12	54.86	70	11.80	277.72	978,116.807	− 118.59	Caserio-Santa-Rita
4145	12	54.94	70	14.95	293.51	978,112.004	− 120.35	
4146	12	55.03	75	6.04	4440.16	977,000.192	− 410.94	
4147	12	55.04	72	7.02	1955.33	977,688.583	− 216.84	
4148	12	55.13	76	22.99	226.42	978,248.848	3.23	
4149	12	55.33	70	18.07	399.81	978,088.577	− 123.20	
4150	12	55.38	71	23.38	527.64	978,050.475	− 136.27	Rio-Pilcopata

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4151	12	55.43	70	15.74	297.17	978,111.122	− 120.84	
4152	12	55.47	72	6.44	1922.12	977,690.341	− 221.93	
4153	12	55.49	70	17.33	307.16	978,108.203	− 121.84	Santa-Rosa
4154	12	55.67	72	39.61	1038.80	977,876.290	− 210.25	
4155	12	55.68	74	15.38	2572.58	977,464.241	− 319.42	
4156	12	55.89	71	23.58	531.77	978,049.971	− 136.30	
4157	12	55.91	75	5.84	4478.48	976,992.615	− 411.42	
4158	12	55.93	70	18.85	389.48	978,092.702	− 121.50	
4159	12	55.97	72	5.94	1989.90	977,669.606	− 229.60	
4160	12	55.97	70	16.57	304.72	978,109.660	− 121.17	Santiago
4161	12	56.04	74	15.03	2627.18	977,453.675	− 319.40	
4162	12	56.14	74	14.25	2627.23	977,454.856	− 318.27	
4163	12	56.15	74	14.82	2628.34	977,454.365	− 318.55	Huanta-Plaza
4164	12	56.38	71	23.95	543.95	978,045.358	− 138.85	
4165	12	56.41	72	39.67	1064.84	977,867.840	− 214.06	
4166	12	56.47	72	5.57	2041.64	977,653.752	− 235.56	
4167	12	56.53	70	19.06	386.81	978,092.514	− 122.60	
4168	12	56.80	75	5.72	4495.78	976,989.074	− 412.08	
4169	12	56.89	76	22.80	154.24	978,260.851	− 0.05	Quilmana
4170	12	56.91	72	5.17	2097.27	977,632.519	− 246.07	
4171	12	56.94	74	13.61	2555.89	977,465.963	− 321.83	
4172	12	57.10	71	24.09	580.24	978,036.783	− 140.77	
4173	12	57.13	72	39.78	1084.42	977,859.642	− 218.88	
4174	12	57.14	70	19.45	436.51	978,079.965	− 125.81	
4175	12	57.30	76	8.36	472.71	978,097.564	− 101.21	
4176	12	57.33	72	4.90	2175.86	977,608.235	− 255.08	
4177	12	57.40	74	13.41	2512.41	977,467.192	− 329.52	
4178	12	57.70	70	20.04	478.44	978,068.362	− 129.56	
4179	12	57.77	71	24.22	617.25	978,029.885	− 140.85	
4180	12	57.88	72	40.05	1119.90	977,846.752	− 225.29	Manura
4181	12	57.89	72	4.56	2273.72	977,584.626	− 259.69	
4182	12	57.94	75	5.45	4515.99	976,984.641	− 413.22	
4183	12	57.97	72	4.06	2437.54	977,560.597	− 251.34	
4184	12	58.13	76	22.87	121.18	978,264.210	− 3.98	
4185	12	58.15	74	12.89	2443.93	977,477.704	− 333.07	
4186	12	58.19	72	3.69	2562.87	977,541.871	− 245.36	
4187	12	58.29	72	4.22	2353.60	977,574.140	− 254.63	
4188	12	58.41	70	20.49	472.65	978,069.537	− 129.98	
4189	12	58.44	72	3.25	2639.57	977,530.249	− 241.94	
4190	12	58.51	72	39.66	1134.69	977,842.488	− 227.05	
4191	12	58.54	71	24.12	636.00	978,028.685	− 138.88	
4192	12	58.64	72	2.73	2689.19	977,526.244	− 236.23	
4193	12	58.77	75	5.29	4520.93	976,983.434	− 413.98	
4194	12	58.86	74	12.63	2386.68	977,488.432	− 334.15	
4195	12	58.99	72	2.40	2765.59	977,513.373	− 234.17	
4196	12	59.13	71	24.33	658.79	978,025.531	− 137.94	Aatria-AP
4197	12	59.22	70	20.47	427.02	978,079.102	− 129.90	
4198	12	59.24	72	39.29	1114.04	977,833.945	− 240.14	
4199	12	59.28	72	2.20	2827.93	977,504.860	− 230.50	
4200	12	59.35	74	13.14	2339.23	977,495.636	− 336.68	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4201	12	59.44	76	22.84	103.52	978,263.051	− 9.46	
4202	12	59.53	72	2.07	2916.36	977,485.841	− 232.13	
4203	12	59.57	71	24.76	677.02	978,022.477	− 137.71	
4204	12	59.68	72	2.05	2964.16	977,476.071	− 232.50	
4205	12	59.68	75	5.20	4522.91	976,984.071	− 413.55	
4206	12	59.97	72	39.09	1106.42	977,826.765	− 249.30	
4207	13	0.01	70	20.43	376.96	978,089.633	− 129.70	
4208	13	0.10	72	1.43	3026.41	977,465.920	− 230.56	
4209	13	0.19	72	37.77	1167.57	977,811.902	− 252.27	Santa-Maria-Station
4210	13	0.22	72	34.69	1457.26	977,760.970	− 246.17	
4211	13	0.32	74	12.83	2335.43	977,492.359	− 341.34	
4212	13	0.37	72	39.03	1136.54	977,817.485	− 252.92	Chaullay
4213	13	0.45	71	25.83	747.84	978,005.818	− 141.04	
4214	13	0.52	70	20.73	358.35	978,093.911	− 129.40	
4215	13	0.54	72	36.49	1243.49	977,796.148	− 253.31	
4216	13	0.55	72	0.73	3084.68	977,455.817	− 229.37	
4217	13	0.58	72	38.46	1163.58	977,809.110	− 256.11	
4218	13	0.60	72	29.97	1786.77	977,692.916	− 249.46	Iglesia
4219	13	0.70	75	5.17	4553.67	976,979.660	− 412.46	
4220	13	0.71	72	35.92	1310.83	977,785.415	− 250.90	
4221	13	0.72	71	26.52	786.65	977,998.860	− 140.56	
4222	13	0.75	74	12.62	2353.90	977,486.358	− 343.97	
4223	13	0.80	72	0.03	3103.94	977,451.547	− 229.98	
4224	13	0.91	71	27.12	834.04	977,988.098	− 142.14	
4225	13	0.92	72	35.27	1377.42	977,775.641	− 247.69	
4226	13	0.96	70	20.93	354.39	978,094.667	− 129.72	
4227	13	1.04	76	22.22	110.14	978,261.270	− 11.00	
4228	13	1.10	72	37.17	1218.81	977,803.955	− 250.73	
4229	13	1.11	72	29.73	1849.82	977,680.392	− 249.87	
4230	13	1.17	72	30.91	1753.62	977,709.216	− 240.09	
4231	13	1.18	71	59.49	3154.93	977,442.010	− 229.62	
4232	13	1.21	72	30.37	1778.71	977,701.883	− 242.49	
4233	13	1.21	76	10.60	355.80	978,139.969	− 84.30	
4234	13	1.25	72	33.84	1479.53	977,757.905	− 245.52	
4235	13	1.27	71	27.67	887.25	977,977.626	− 142.39	
4236	13	1.27	72	33.14	1556.09	977,744.667	− 243.68	
4237	13	1.30	71	28.77	968.40	977,959.855	− 144.23	
4238	13	1.32	74	12.67	2368.89	977,482.654	− 345.08	Huayco
4239	13	1.38	72	31.39	1717.38	977,717.423	− 239.17	
4240	13	1.38	72	29.43	1873.88	977,674.060	− 251.63	
4241	13	1.50	71	29.76	1089.54	977,928.563	− 151.83	
4242	13	1.51	76	11.56	309.10	978,159.472	− 74.15	
4243	13	1.52	72	32.50	1584.20	977,739.587	− 243.38	
4244	13	1.53	72	31.95	1663.63	977,728.120	− 239.18	
4245	13	1.55	70	20.95	299.62	978,105.949	− 129.55	
4246	13	1.61	71	58.80	3227.21	977,426.057	− 231.49	
4247	13	1.75	72	28.75	1903.85	977,661.154	− 258.86	
4248	13	1.77	71	58.04	3319.15	977,413.037	− 226.31	
4249	13	1.77	75	5.46	4581.90	976,977.906	− 409.27	
4250	13	1.78	74	13.13	2399.42	977,478.294	− 343.70	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4251	13	1.86	71	30.03	1113.71	977,923.315	− 152.56	
4252	13	2.01	71	30.99	1374.49	977,858.497	− 166.13	
4253	13	2.10	71	57.26	3375.91	977,403.863	− 224.41	
4254	13	2.12	72	28.00	1973.54	977,640.507	− 265.98	
4255	13	2.14	70	20.92	304.22	978,104.326	− 130.66	
4256	13	2.26	71	29.90	1169.04	977,911.104	− 154.15	
4257	13	2.26	71	29.89	1252.39	977,893.041	− 155.80	
4258	13	2.29	75	4.83	4582.67	976,977.466	− 409.90	
4259	13	2.47	74	13.40	2408.38	977,478.679	− 341.99	
4260	13	2.62	72	27.48	2036.61	977,626.914	− 267.43	
4261	13	2.68	76	21.35	99.11	978,263.555	− 11.95	
4262	13	2.72	70	20.83	305.38	978,102.942	− 132.21	Villa-Santiago-School
4263	13	2.72	71	31.78	1491.77	977,819.263	− 182.72	
4264	13	2.80	71	56.76	3383.78	977,399.435	− 227.73	
4265	13	2.81	75	4.02	4633.80	976,968.110	− 409.36	
4266	13	2.87	72	26.96	2075.00	977,617.494	− 269.43	
4267	13	2.99	71	32.40	1580.23	977,791.962	− 192.76	
4268	13	3.06	72	26.36	2148.58	977,597.710	− 274.78	
4269	13	3.11	74	13.76	2420.80	977,477.234	− 341.40	
4270	13	3.27	71	32.29	1681.56	977,787.796	− 177.12	
4271	13	3.34	71	32.79	1598.33	977,793.382	− 188.00	
4272	13	3.50	72	25.38	2323.29	977,568.800	− 269.40	
4273	13	3.52	71	56.76	3378.81	977,399.644	− 228.99	Amparaes
4274	13	3.67	72	24.73	2393.40	977,552.736	− 271.70	
4275	13	3.72	75	3.20	4713.28	976,953.124	− 409.01	
4276	13	3.73	72	24.17	2640.02	977,508.109	− 267.48	
4277	13	3.73	72	24.22	2433.75	977,541.589	− 274.89	
4278	13	3.78	70	21.30	324.45	978,097.347	− 134.76	
4279	13	3.91	74	13.12	2432.90	977,470.923	− 345.84	
4280	13	3.97	72	23.81	2841.79	977,467.697	− 268.01	
4281	13	4.00	76	20.33	87.97	978,263.058	− 15.51	
4282	13	4.05	71	56.89	3423.24	977,385.574	− 234.56	
4283	13	4.10	72	23.40	2897.46	977,457.867	− 266.87	
4284	13	4.11	72	23.85	2693.77	977,493.773	− 271.40	
4285	13	4.15	71	33.10	1835.42	977,743.684	− 191.43	
4286	13	4.21	75	2.99	4793.49	976,937.631	− 408.74	
4287	13	4.23	76	22.06	60.48	978,267.420	− 16.67	
4288	13	4.29	76	19.34	117.83	978,255.013	− 17.90	
4289	13	4.32	72	23.90	2569.32	977,513.937	− 276.06	
4290	13	4.33	70	21.55	337.43	978,093.804	− 136.13	
4291	13	4.37	71	56.69	3492.58	977,367.569	− 238.96	
4292	13	4.38	72	24.03	2502.89	977,525.338	− 277.87	
4293	13	4.54	76	23.11	38.58	978,265.660	− 22.93	Canete-Plaza
4294	13	4.57	76	18.31	170.38	978,244.738	− 18.07	
4295	13	4.57	72	23.61	2750.66	977,482.248	− 271.95	
4296	13	4.65	75	2.83	4861.92	976,926.710	− 406.23	
4297	13	4.66	71	56.38	3559.07	977,353.874	− 239.60	
4298	13	4.70	72	23.20	2975.04	977,443.862	− 265.86	
4299	13	4.72	72	23.07	3778.23	977,257.262	− 292.55	
4300	13	4.82	72	22.57	3038.67	977,429.910	− 267.25	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4301	13	4.85	70	21.69	342.01	978,091.928	− 137.45	
4302	13	4.91	76	17.03	250.37	978,226.290	− 21.08	
4303	13	4.91	74	13.51	2451.79	977,470.269	− 343.42	
4304	13	4.93	75	3.39	4779.49	976,943.827	− 405.83	
4305	13	4.97	71	56.07	3617.05	977,345.134	− 236.99	
4306	13	5.05	72	22.12	3117.68	977,415.063	− 266.54	
4307	13	5.14	72	22.92	3219.84	977,387.755	− 273.59	
4308	13	5.31	76	16.06	335.01	978,207.354	− 23.70	
4309	13	5.33	71	55.83	3685.22	977,332.871	− 235.90	
4310	13	5.34	72	23.34	3255.08	977,385.859	− 268.60	
4311	13	5.41	75	3.27	4723.68	976,953.883	− 407.28	
4312	13	5.44	70	21.78	369.36	978,087.331	− 137.08	San-Isidro
4313	13	5.64	71	55.52	3747.40	977,321.652	− 234.92	
4314	13	5.64	74	12.35	2458.75	977,471.535	− 341.25	
4315	13	5.76	72	22.74	3357.26	977,362.087	− 272.32	
4316	13	5.78	71	33.72	2008.77	977,701.699	− 200.24	Pte.
4317	13	5.96	70	22.01	345.84	978,091.450	− 137.91	
4318	13	6.06	71	55.31	3811.99	977,309.562	− 234.40	
4319	13	6.16	75	3.71	4703.35	976,959.123	− 406.62	
4320	13	6.21	74	11.93	2488.81	977,468.650	− 338.56	
4321	13	6.22	71	33.95	2130.44	977,681.374	− 196.80	
4322	13	6.22	72	22.40	3424.35	977,348.177	− 273.18	
4323	13	6.44	72	21.55	3543.98	977,324.907	− 272.76	
4324	13	6.45	71	55.02	3892.95	977,295.018	− 233.04	
4325	13	6.47	70	22.20	344.63	978,091.041	− 138.90	Dos-de-Mayo
4326	13	6.59	72	21.99	3488.77	977,337.164	− 271.60	
4327	13	6.61	75	3.90	4695.25	976,960.289	− 407.38	
4328	13	6.77	72	21.14	3610.01	977,313.414	− 271.31	
4329	13	6.81	70	22.66	345.62	978,090.313	− 139.66	
4330	13	6.83	71	54.77	3943.65	977,283.904	− 234.29	
4331	13	6.89	72	20.67	3659.56	977,301.014	− 273.91	
4332	13	6.90	76	21.66	48.26	978,266.228	− 22.02	
4333	13	7.02	74	11.33	2545.09	977,456.186	− 340.41	
4334	13	7.08	70	23.04	353.67	978,087.805	− 140.77	Mazuco
4335	13	7.08	72	20.17	3717.37	977,289.126	− 274.40	
4336	13	7.20	75	4.15	4687.91	976,961.605	− 407.92	
4337	13	7.26	72	20.35	3866.11	977,260.234	− 273.72	
4338	13	7.27	71	34.22	2268.89	977,650.233	− 201.24	Pte.
4339	13	7.28	72	19.74	3804.82	977,273.352	− 272.86	
4340	13	7.32	71	54.61	3990.63	977,272.508	− 236.63	
4341	13	7.38	72	20.08	3948.13	977,246.265	− 271.40	
4342	13	7.49	72	19.94	4011.94	977,233.227	− 271.76	
4343	13	7.60	72	17.36	4022.09	977,229.049	− 273.99	
4344	13	7.71	72	19.44	4102.08	977,211.786	− 275.34	
4345	13	7.72	75	4.74	4625.99	976,973.346	− 408.94	
4346	13	7.73	71	34.58	2308.57	977,645.997	− 197.93	
4347	13	7.73	71	54.61	4029.20	977,264.839	− 236.87	
4348	13	7.76	70	23.10	359.68	978,086.639	− 141.21	
4349	13	7.96	72	18.59	4275.39	977,179.848	− 272.79	
4350	13	7.96	74	11.28	2545.09	977,446.534	− 350.68	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4351	13	7.96	72	18.59	4319.00	977,172.913	− 271.00	
4352	13	7.99	72	18.87	4184.62	977,197.225	− 273.59	
4353	13	8.04	74	12.48	2607.64	977,435.537	− 349.33	
4354	13	8.05	72	18.55	4252.43	977,185.086	− 272.20	
4355	13	8.12	72	17.08	3961.13	977,236.547	− 279.01	
4356	13	8.16	71	54.64	4099.42	977,253.554	− 234.40	
4357	13	8.21	71	34.97	2371.71	977,629.719	− 202.02	
4358	13	8.28	70	23.30	340.31	978,090.256	− 141.73	Palmera
4359	13	8.30	72	17.31	4061.43	977,225.104	− 270.54	
4360	13	8.40	72	17.40	4136.25	977,205.462	− 275.30	
4361	13	8.44	72	16.69	3905.72	977,237.255	− 289.58	
4362	13	8.45	72	17.36	4179.77	977,200.353	− 271.74	
4363	13	8.46	74	11.94	2744.33	977,406.521	− 351.51	Ayacucho-AP
4364	13	8.52	72	17.47	4228.42	977,189.669	− 272.74	
4365	13	8.52	74	13.73	2819.68	977,388.177	− 354.94	
4366	13	8.52	75	4.51	4574.78	976,984.724	− 408.35	
4367	13	8.54	71	54.41	4136.02	977,246.787	− 234.11	
4368	13	8.59	72	16.90	4093.29	977,216.219	− 273.25	
4369	13	8.63	70	23.69	350.95	978,089.883	− 140.25	
4370	13	8.76	74	12.54	2703.68	977,413.211	− 353.08	
4371	13	8.83	74	13.25	2764.80	977,400.210	− 354.00	
4372	13	8.86	71	35.15	2554.52	977,603.588	− 192.36	
4373	13	8.88	71	54.26	4201.76	977,234.093	− 233.88	
4374	13	9.02	72	16.61	3837.50	977,250.638	− 290.20	
4375	13	9.02	74	13.95	2862.89	977,378.348	− 356.52	
4376	13	9.15	70	23.66	382.40	978,085.025	− 139.30	
4377	13	9.21	71	53.92	4261.91	977,223.681	− 232.49	
4378	13	9.21	75	4.10	4515.96	976,998.542	− 406.77	
4379	13	9.30	72	16.88	3729.71	977,263.526	− 299.01	
4380	13	9.30	71	35.70	2701.61	977,569.576	− 197.49	
4381	13	9.41	71	35.32	2619.72	977,591.157	− 192.23	
4382	13	9.42	74	13.43	2741.91	977,406.550	− 352.60	
4383	13	9.42	74	14.09	2927.04	977,364.884	− 357.51	
4384	13	9.43	70	23.23	339.59	978,095.539	− 137.36	
4385	13	9.43	71	35.69	2857.29	977,545.220	− 191.03	
4386	13	9.44	74	13.14	2746.24	977,404.225	− 354.08	Ayacucho-Plaza
4387	13	9.46	71	36.16	2779.97	977,551.092	− 200.53	Pte.
4388	13	9.56	72	16.88	3662.79	977,263.412	− 312.64	
4389	13	9.61	76	21.81	163.42	978,233.639	− 33.88	
4390	13	9.61	74	13.25	2711.45	977,411.595	− 353.73	
4391	13	9.64	71	53.89	4346.17	977,204.523	− 235.07	
4392	13	9.68	74	14.40	3000.75	977,352.495	− 355.43	
4393	13	9.68	74	14.80	3086.52	977,337.034	− 353.84	
4394	13	9.70	71	35.76	2939.23	977,530.697	− 189.46	
4395	13	9.77	75	4.72	4508.72	977,002.821	− 404.32	
4396	13	9.87	71	54.29	4405.02	977,193.298	− 234.68	
4397	13	9.90	70	22.94	355.53	978,092.367	− 137.72	
4398	13	10.04	74	15.00	3185.82	977,319.260	− 352.11	
4399	13	10.16	74	12.34	2744.34	977,407.358	− 351.80	
4400	13	10.16	71	36.19	3014.87	977,515.972	− 189.46	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4401	13	10.22	72	17.18	3528.40	977,287.788	− 315.49	
4402	13	10.22	72	17.28	3587.66	977,279.277	− 312.20	
4403	13	10.24	71	54.17	4476.75	977,178.568	− 235.29	
4404	13	10.33	71	35.43	3165.66	977,483.318	− 192.25	
4405	13	10.38	70	22.93	346.97	978,092.546	− 139.54	
4406	13	10.39	71	34.97	3236.73	977,471.349	− 190.12	
4407	13	10.40	70	29.50	399.54	978,075.185	− 146.61	
4408	13	10.43	70	27.61	389.47	978,077.397	− 146.39	
4409	13	10.48	70	28.08	390.29	978,075.601	− 148.06	
4410	13	10.48	70	28.55	393.90	978,076.298	− 146.66	Garabun-Grande
4411	13	10.50	70	29.05	422.25	978,069.189	− 148.22	
4412	13	10.50	71	36.49	3093.02	977,499.872	− 190.26	
4413	13	10.52	71	53.94	4541.26	977,163.375	− 237.75	
4414	13	10.54	71	35.56	3377.76	977,441.395	− 192.11	
4415	13	10.55	74	11.69	2793.79	977,400.303	− 349.30	
4416	13	10.59	76	21.27	144.87	978,231.648	− 40.15	
4417	13	10.59	71	35.14	3309.84	977,451.501	− 195.56	
4418	13	10.70	70	27.14	394.22	978,078.117	− 144.92	
4419	13	10.71	75	5.38	4518.52	977,003.581	− 402.22	
4420	13	10.74	72	17.44	3470.87	977,298.009	− 317.08	
4421	13	10.75	74	15.27	3248.39	977,309.920	− 349.47	
4422	13	10.77	71	36.13	3439.13	977,426.897	− 194.54	
4423	13	10.84	70	26.61	390.28	978,079.916	− 143.99	Penalchaywoc
4424	13	10.87	70	36.10	483.77	978,052.581	− 153.01	
4425	13	10.90	70	25.71	379.53	978,083.328	− 142.72	
4426	13	10.90	70	26.16	387.01	978,079.738	− 144.84	
4427	13	10.90	70	26.16	401.92	978,079.542	− 142.12	
4428	13	10.93	72	17.38	3393.13	977,311.283	− 319.42	
4429	13	10.94	71	54.06	4453.12	977,181.925	− 237.13	
4430	13	10.95	70	22.94	357.23	978,090.308	− 140.14	
4431	13	10.96	70	25.29	378.62	978,084.822	− 141.44	
4432	13	10.99	70	35.37	463.75	978,057.318	− 152.28	
4433	13	11.02	74	12.23	2876.31	977,386.481	− 347.05	
4434	13	11.02	71	35.90	3477.64	977,421.493	− 192.44	
4435	13	11.05	71	36.06	3495.15	977,416.366	− 194.10	
4436	13	11.05	70	37.30	489.30	978,051.016	− 153.61	
4437	13	11.10	70	38.02	506.56	978,047.015	− 154.26	Huajiumbre
4438	13	11.13	70	24.81	392.40	978,081.198	− 142.48	
4439	13	11.18	70	34.77	471.15	978,055.511	− 152.77	
4440	13	11.19	70	30.79	428.57	978,068.586	− 148.04	
4441	13	11.22	70	23.58	352.81	978,093.478	− 138.02	Rio-Loroma-Pte.
4442	13	11.24	70	23.98	371.98	978,086.841	− 140.91	Rio-Inambari-Pte.
4443	13	11.25	72	17.59	3328.40	977,321.228	− 322.58	
4444	13	11.31	70	34.09	445.13	978,063.323	− 150.14	Rio-Siniscato-Pte.
4445	13	11.36	70	24.39	401.64	978,080.814	− 141.21	
4446	13	11.37	71	54.18	4379.09	977,196.783	− 237.38	
4447	13	11.40	72	17.55	3269.36	977,329.009	− 326.64	
4448	13	11.40	70	23.13	346.27	978,093.999	− 138.90	
4449	13	11.40	75	5.63	4531.40	977,004.970	− 398.72	
4450	13	11.42	70	33.34	441.46	978,063.110	− 151.14	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4451	13	11.42	71	35.99	3468.65	977,422.405	− 193.58	
4452	13	11.44	70	38.75	523.51	978,041.972	− 156.21	
4453	13	11.50	70	36.56	470.34	978,055.638	− 153.01	
4454	13	11.58	74	12.05	2973.13	977,373.725	− 340.95	
4455	13	11.61	70	37.09	472.41	978,054.675	− 153.64	Fierro-Pte.
4456	13	11.65	71	37.43	3346.59	977,440.657	− 199.79	
4457	13	11.67	70	31.57	479.13	978,059.801	− 147.23	
4458	13	11.68	70	39.53	541.26	978,037.793	− 157.06	Santa-Martha
4459	13	11.73	74	15.72	3352.47	977,291.391	− 347.94	
4460	13	11.74	71	38.19	3451.44	977,424.968	− 194.66	
4461	13	11.81	71	38.40	3236.08	977,457.925	− 204.63	
4462	13	11.82	71	54.36	4302.23	977,210.467	− 239.38	
4463	13	11.84	72	17.82	3183.67	977,341.828	− 331.17	
4464	13	11.88	72	17.71	3115.80	977,352.261	− 334.26	
4465	13	11.91	71	37.82	3295.36	977,445.582	− 205.24	
4466	13	11.92	70	40.22	558.40	978,034.360	− 157.29	
4467	13	11.92	71	38.33	3402.62	977,432.199	− 197.28	
4468	13	12.08	74	12.03	3062.79	977,351.313	− 345.88	
4469	13	12.09	70	40.98	570.22	978,032.014	− 157.44	Palcamayo-Pte.
4470	13	12.14	71	54.60	4203.08	977,223.931	− 245.96	
4471	13	12.17	70	41.56	520.30	978,023.836	− 175.46	
4472	13	12.17	70	33.04	441.47	978,064.762	− 149.99	
4473	13	12.21	72	17.89	3037.69	977,361.525	− 340.74	
4474	13	12.24	74	16.24	3452.85	977,274.031	− 345.65	
4475	13	12.27	70	32.12	424.42	978,068.995	− 149.17	
4476	13	12.31	74	13.38	3140.28	977,335.608	− 346.33	
4477	13	12.38	71	38.16	3168.87	977,471.548	− 204.75	
4478	13	12.40	70	42.19	698.52	978,009.691	− 154.79	
4479	13	12.44	75	5.42	4596.49	976,993.614	− 397.72	
4480	13	12.49	71	54.57	4126.74	977,237.726	− 247.66	
4481	13	12.59	72	17.97	2957.08	977,382.090	− 336.45	
4482	13	12.64	70	42.80	667.98	978,018.559	− 152.08	
4483	13	12.65	72	17.99	2896.42	977,394.854	− 335.77	
4484	13	12.81	74	16.00	3507.34	977,263.404	− 345.81	
4485	13	12.84	71	54.43	4088.82	977,243.725	− 249.47	
4486	13	12.87	74	13.58	3228.84	977,319.816	− 344.88	
4487	13	12.93	75	5.34	4626.38	976,996.092	− 389.59	
4488	13	12.94	71	37.92	3128.66	977,472.981	− 211.69	
4489	13	12.96	75	6.10	4607.92	977,001.822	− 387.57	Santa-Ines
4490	13	13.01	70	43.41	610.42	978,034.357	− 147.82	
4491	13	13.08	70	44.09	622.85	978,034.662	− 145.12	Santo-Domingo
4492	13	13.16	75	9.37	4628.50	976,995.274	− 390.13	
4493	13	13.17	75	6.78	4619.90	976,992.472	− 394.66	
4494	13	13.26	74	16.71	3607.99	977,241.460	− 347.99	
4495	13	13.32	71	54.29	4088.73	977,245.683	− 247.85	
4496	13	13.33	75	15.74	4467.16	977,057.413	− 360.43	
4497	13	13.35	75	16.13	4441.03	977,064.735	− 358.35	
4498	13	13.36	75	7.78	4628.40	976,990.832	− 394.73	
4499	13	13.41	75	8.69	4630.91	976,992.829	− 392.26	
4500	13	13.41	72	17.97	2832.74	977,410.046	− 333.74	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4501	13	13.42	70	44.53	634.59	978,035.623	− 142.09	airport-entrance
4502	13	13.50	74	13.46	3304.08	977,302.414	− 347.73	
4503	13	13.51	71	37.68	3070.38	977,487.660	− 208.98	
4504	13	13.64	75	5.32	4579.39	977,007.094	− 388.47	
4505	13	13.66	71	54.20	4039.22	977,253.366	− 250.29	
4506	13	13.66	75	10.11	4665.50	976,988.702	− 389.62	
4507	13	13.73	74	17.09	3627.71	977,226.172	− 359.66	
4508	13	13.77	70	45.10	642.93	978,035.242	− 141.07	Quince-Mil-Plaza
4509	13	13.79	74	13.97	3334.12	977,294.172	− 350.19	
4510	13	13.86	71	53.87	3953.71	977,271.534	− 249.34	
4511	13	13.88	71	53.52	3895.26	977,283.076	− 249.48	
4512	13	13.92	75	16.68	4401.09	977,077.794	− 353.67	
4513	13	13.95	70	46.01	670.07	978,031.667	− 139.43	
4514	13	14.03	72	17.77	2780.31	977,419.749	− 334.86	
4515	13	14.03	71	37.45	3008.76	977,496.132	− 213.10	
4516	13	14.06	74	17.65	3743.86	977,213.892	− 349.00	
4517	13	14.12	71	53.44	3859.30	977,290.687	− 249.21	
4518	13	14.13	75	11.64	4665.20	976,997.221	− 381.48	
4519	13	14.19	75	15.43	4496.94	977,054.273	− 358.18	
4520	13	14.22	71	53.88	3775.99	977,301.544	− 255.04	
4521	13	14.24	75	5.33	4555.56	977,013.617	− 387.12	
4522	13	14.28	75	10.78	4669.85	976,993.583	− 384.29	
4523	13	14.31	74	14.37	3295.92	977,298.962	− 353.35	
4524	13	14.33	75	17.08	4349.90	977,091.531	− 350.45	
4525	13	14.34	75	14.46	4533.36	977,045.238	− 360.02	
4526	13	14.38	71	37.07	2939.50	977,507.319	− 215.91	
4527	13	14.40	71	54.19	3721.64	977,306.382	− 261.17	
4528	13	14.48	70	46.50	715.49	978,024.970	− 137.57	
4529	13	14.55	75	13.95	4553.40	977,038.325	− 363.06	
4530	13	14.58	74	18.04	3816.98	977,199.334	− 349.32	
4531	13	14.62	75	12.48	4678.09	977,001.422	− 375.92	
4532	13	14.71	74	18.77	3895.45	977,185.806	− 347.27	
4533	13	14.74	71	54.45	3657.74	977,315.762	− 264.76	Totora-Dv.
4534	13	14.77	76	16.93	140.60	978,223.858	− 51.58	
4535	13	14.77	72	17.46	2788.97	977,425.080	− 328.31	
4536	13	14.78	75	13.28	4611.02	977,022.863	− 367.13	
4537	13	14.88	75	17.30	4302.43	977,102.844	− 349.00	
4538	13	14.90	75	5.17	4517.60	977,022.724	− 386.07	
4539	13	14.92	74	13.83	3338.18	977,293.994	− 350.32	
4540	13	14.94	71	37.12	2939.50	977,511.841	− 211.77	
4541	13	15.03	72	16.69	2827.96	977,420.373	− 325.44	
4542	13	15.28	74	13.81	3475.24	977,264.002	− 353.26	
4543	13	15.30	71	54.87	3529.49	977,328.797	− 277.67	
4544	13	15.33	75	17.58	4229.97	977,121.801	− 344.85	
4545	13	15.36	70	46.52	690.59	978,034.480	− 133.54	
4546	13	15.40	72	16.14	2836.95	977,422.836	− 321.44	
4547	13	15.40	75	5.08	4500.84	977,027.203	− 385.28	
4548	13	15.42	72	15.95	2846.01	977,422.758	− 319.74	Ollantaytambo-Plaza
4549	13	15.61	71	55.08	3459.07	977,342.682	− 278.02	
4550	13	15.73	72	14.88	2808.44	977,424.096	− 326.07	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4551	13	15.75	72	15.50	2803.12	977,423.583	− 327.65	
4552	13	15.77	75	18.31	4150.03	977,144.065	− 338.86	
4553	13	15.83	71	55.28	3413.47	977,347.237	− 282.69	
4554	13	15.84	74	18.33	3836.71	977,198.479	− 347.08	
4555	13	16.04	72	13.98	2814.93	977,423.922	− 325.16	
4556	13	16.07	70	46.84	704.30	978,032.329	− 133.47	Cruzpata
4557	13	16.07	75	18.66	4088.42	977,160.851	− 334.59	
4558	13	16.18	75	4.45	4437.04	977,041.074	− 384.70	
4559	13	16.18	71	55.43	3320.04	977,367.999	− 280.77	
4560	13	16.19	72	13.09	2816.99	977,425.486	− 323.29	Pachar-Station
4561	13	16.25	74	13.59	3558.85	977,244.694	− 356.56	
4562	13	16.29	75	18.79	3997.74	977,183.174	− 330.54	
4563	13	16.32	74	18.16	3789.29	977,208.412	− 346.93	
4564	13	16.45	71	55.66	3251.73	977,382.402	− 280.14	
4565	13	16.47	75	18.90	3955.64	977,194.172	− 328.07	
4566	13	16.49	72	10.28	2853.12	977,425.857	− 315.94	
4567	13	16.49	72	10.24	2836.78	977,426.634	− 318.41	Yanahura
4568	13	16.50	76	16.25	141.57	978,222.362	− 54.05	
4569	13	16.68	72	12.78	2817.46	977,428.823	− 320.19	
4570	13	16.70	74	18.52	3722.64	977,222.178	− 346.72	
4571	13	16.79	70	47.23	722.48	978,027.633	− 135.08	
4572	13	16.81	74	13.68	3644.89	977,226.841	− 357.63	
4573	13	16.82	71	55.83	3190.45	977,393.111	− 281.88	
4574	13	16.88	72	11.20	2824.40	977,437.474	− 310.30	
4575	13	16.91	74	19.30	3585.25	977,255.172	− 341.26	
4576	13	16.98	75	3.59	4395.47	977,049.697	− 384.94	
4577	13	17.03	72	12.04	2819.64	977,436.707	− 312.11	
4578	13	17.10	74	18.65	3642.81	977,243.181	− 341.90	
4579	13	17.13	71	35.84	2895.40	977,515.031	− 218.81	
4580	13	17.15	74	19.76	3509.71	977,267.852	− 343.80	
4581	13	17.19	71	56.04	3131.77	977,401.559	− 285.35	
4582	13	17.36	72	8.81	2859.36	977,429.851	− 311.30	
4583	13	17.51	75	2.97	4338.31	977,061.924	− 384.51	
4584	13	17.54	74	19.35	3461.08	977,277.162	− 344.44	
4585	13	17.58	70	47.53	753.45	978,013.176	− 143.99	Rio-Manire-Pte.
4586	13	17.61	71	56.28	3069.93	977,410.277	− 289.21	
4587	13	17.64	74	13.52	3733.77	977,209.953	− 357.35	
4588	13	17.75	76	15.20	97.57	978,229.857	− 56.00	
4589	13	17.87	71	56.55	3008.19	977,421.293	− 290.64	
4590	13	17.90	72	8.08	2863.89	977,431.350	− 309.27	
4591	13	17.92	75	2.28	4295.30	977,071.598	− 383.72	
4592	13	18.08	71	35.67	2928.65	977,501.766	− 226.10	
4593	13	18.09	74	19.77	3416.36	977,284.410	− 346.46	
4594	13	18.12	75	19.23	3795.57	977,232.885	− 322.41	
4595	13	18.13	72	6.85	2871.06	977,435.226	− 304.12	Urbamba-Plaza
4596	13	18.24	72	7.27	2851.40	977,436.218	− 307.10	
4597	13	18.26	70	48.26	761.50	978,011.191	− 144.85	
4598	13	18.34	74	13.42	3857.22	977,188.018	− 355.13	
4599	13	18.36	72	6.76	2858.45	977,436.733	− 305.27	Urubamba-Banco
4600	13	18.39	75	2.12	4226.91	977,081.491	− 387.82	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4601	13	18.41	70	48.86	809.51	978,004.461	− 142.25	
4602	13	18.50	72	6.55	2857.00	977,436.108	− 306.28	Urubamba-Pte.
4603	13	18.54	71	59.62	2906.66	977,433.392	− 299.16	
4604	13	18.59	74	19.82	3340.13	977,296.492	− 349.90	
4605	13	18.60	70	49.48	822.78	978,003.132	− 141.10	Bitobamba
4606	13	18.61	71	57.01	2947.43	977,437.087	− 287.41	
4607	13	18.75	72	7.18	2920.86	977,423.071	− 306.80	
4608	13	18.82	75	1.63	4205.63	977,091.301	− 382.56	
4609	13	18.82	75	19.25	3711.19	977,253.036	− 319.57	
4610	13	18.85	74	20.26	3260.65	977,310.476	− 351.91	
4611	13	18.87	71	35.62	2906.04	977,503.288	− 229.60	Paucartambo
4612	13	18.90	72	6.76	3003.05	977,409.798	− 303.84	
4613	13	18.97	74	21.07	3275.77	977,308.311	− 351.14	
4614	13	18.98	70	49.97	849.07	977,997.270	− 142.05	Chuntapunco
4615	13	18.98	71	59.44	2910.01	977,437.191	− 294.99	
4616	13	19.03	75	0.12	4112.51	977,106.872	− 385.75	
4617	13	19.04	75	1.28	4172.88	977,097.319	− 383.24	
4618	13	19.09	72	6.64	3097.90	977,393.522	− 301.39	
4619	13	19.15	71	57.18	2927.59	977,441.088	− 287.71	Calca-Plaza
4620	13	19.18	72	6.91	3145.82	977,385.109	− 300.34	
4621	13	19.27	75	0.70	4139.92	977,103.720	− 383.58	
4622	13	19.32	74	13.01	3917.26	977,179.778	− 352.04	
4623	13	19.34	75	18.98	3630.57	977,270.784	− 318.25	
4624	13	19.36	71	57.90	2914.72	977,442.736	− 288.76	
4625	13	19.41	70	50.36	844.90	977,996.866	− 143.57	
4626	13	19.43	74	21.01	3290.04	977,303.919	− 353.01	
4627	13	19.46	71	35.54	3247.50	977,441.177	− 224.24	
4628	13	19.47	71	57.14	2917.29	977,443.597	− 287.47	
4629	13	19.48	71	35.11	3036.30	977,475.634	− 231.79	
4630	13	19.51	72	7.22	3232.79	977,372.093	− 296.27	
4631	13	19.61	74	58.54	4057.63	977,119.325	− 384.65	
4632	13	19.62	74	59.33	4088.72	977,112.856	− 384.92	
4633	13	19.67	74	29.80	3670.22	977,224.717	− 356.63	
4634	13	19.77	74	30.63	3727.84	977,206.760	− 363.16	
4635	13	19.81	74	13.01	3985.82	977,168.440	− 350.02	
4636	13	19.83	74	36.32	4017.37	977,129.254	− 382.91	
4637	13	19.83	74	57.87	4027.29	977,125.673	− 384.52	
4638	13	19.83	74	35.49	3980.15	977,139.023	− 380.58	
4639	13	19.93	72	7.69	3278.24	977,365.356	− 294.25	
4640	13	20.00	75	19.31	3568.06	977,288.263	− 313.68	
4641	13	20.00	74	12.39	4108.18	977,143.988	− 350.15	
4642	13	20.01	70	50.65	859.10	977,981.975	− 156.07	Sausepata
4643	13	20.02	76	13.88	5.42	978,253.473	− 51.94	
4644	13	20.05	74	37.18	4088.01	977,113.025	− 385.18	
4645	13	20.08	74	21.54	3314.11	977,299.926	− 352.65	
4646	13	20.08	74	34.83	3937.88	977,146.789	− 381.42	
4647	13	20.12	71	56.95	2921.05	977,441.221	− 289.54	
4648	13	20.15	71	34.91	3204.16	977,450.670	− 223.83	
4649	13	20.16	72	3.25	3339.57	977,354.095	− 293.46	Tiojbamba-Iglesia
4650	13	20.19	74	22.33	3344.12	977,288.039	− 358.63	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4651	13	20.20	74	34.08	3899.72	977,155.317	− 380.60	
4652	13	20.26	71	35.50	3312.06	977,428.293	− 224.81	
4653	13	20.29	74	10.28	4174.48	977,137.828	− 343.25	
4654	13	20.30	74	23.20	3368.85	977,279.344	− 362.48	
4655	13	20.31	74	7.69	4175.79	977,142.932	− 337.90	
4656	13	20.32	70	51.28	897.58	977,973.789	− 156.91	Cadena
4657	13	20.32	74	13.07	4063.88	977,155.815	− 347.39	
4658	13	20.34	74	31.17	3769.40	977,190.634	− 371.38	
4659	13	20.35	74	32.47	3833.91	977,170.059	− 379.10	
4660	13	20.39	74	37.77	4108.95	977,105.038	− 389.21	
4661	13	20.39	74	31.97	3807.43	977,179.413	− 375.05	
4662	13	20.40	74	33.40	3866.43	977,162.083	− 380.61	
4663	13	20.44	74	28.98	3617.45	977,232.644	− 359.75	
4664	13	20.47	74	8.29	4172.48	977,140.624	− 340.98	
4665	13	20.50	74	57.38	4000.88	977,133.021	− 382.89	
4666	13	20.50	74	9.06	4192.68	977,136.445	− 341.14	
4667	13	20.53	71	56.35	2924.75	977,436.202	− 294.10	
4668	13	20.56	75	19.91	3484.27	977,314.705	− 304.31	
4669	13	20.57	71	34.39	3104.84	977,466.623	− 227.91	
4670	13	20.61	74	25.69	3471.63	977,262.431	− 359.13	
4671	13	20.63	71	34.44	3154.61	977,457.281	− 227.40	
4672	13	20.64	70	51.74	920.29	977,966.114	− 160.33	
4673	13	20.72	74	11.86	4162.62	977,137.208	− 346.53	
4674	13	20.73	75	20.11	3421.21	977,329.719	− 301.97	
4675	13	20.75	74	38.46	4156.97	977,094.308	− 390.58	
4676	13	20.77	74	27.60	3542.39	977,248.190	− 359.38	
4677	13	20.81	70	52.40	949.34	977,962.305	− 158.55	
4678	13	20.82	74	28.32	3575.97	977,242.716	− 358.20	
4679	13	20.85	74	6.78	4123.19	977,147.628	− 344.08	
4680	13	20.86	74	41.45	4418.02	977,043.174	− 389.56	
4681	13	20.87	74	11.18	4176.15	977,135.110	− 346.03	
4682	13	20.95	74	23.79	3400.26	977,274.334	− 361.67	
4683	13	20.95	74	5.38	4206.72	977,152.264	− 322.81	
4684	13	20.96	74	47.21	4581.84	977,015.348	− 384.65	
4685	13	20.96	74	6.27	4180.08	977,154.802	− 325.61	
4686	13	21.01	72	6.83	3427.24	977,336.961	− 293.71	
4687	13	21.02	74	39.40	4223.63	977,080.198	− 391.54	
4688	13	21.02	74	40.99	4372.94	977,050.765	− 391.11	
4689	13	21.02	74	45.87	4693.11	976,991.253	− 386.49	
4690	13	21.03	74	46.54	4637.95	977,003.363	− 385.44	
4691	13	21.03	74	40.14	4296.79	977,067.613	− 389.51	
4692	13	21.04	71	35.60	3364.83	977,415.555	− 227.57	
4693	13	21.05	74	43.29	4615.22	977,006.627	− 386.75	
4694	13	21.06	70	52.82	969.07	977,957.876	− 159.27	Huaynapata
4695	13	21.10	75	20.19	3358.17	977,344.406	− 300.08	Jatunuhayco
4696	13	21.10	74	43.67	4640.27	977,001.892	− 386.50	
4697	13	21.13	71	55.90	2928.99	977,435.788	− 294.07	
4698	13	21.19	74	47.98	4547.00	977,023.316	− 383.82	
4699	13	21.20	74	24.76	3431.00	977,267.201	− 362.85	
4700	13	21.21	74	50.65	4327.26	977,069.460	− 381.68	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4701	13	21.22	74	49.09	4447.48	977,045.925	− 381.16	
4702	13	21.22	74	56.94	3975.79	977,143.862	− 377.55	
4703	13	21.23	74	45.15	4745.90	976,980.961	− 386.33	
4704	13	21.24	74	51.04	4280.45	977,078.714	− 381.81	
4705	13	21.25	74	49.60	4397.07	977,057.224	− 379.97	
4706	13	21.26	74	50.15	4354.82	977,065.601	− 380.06	
4707	13	21.30	74	48.49	4481.25	977,038.086	− 382.29	
4708	13	21.30	70	53.31	998.22	977,951.041	− 160.53	
4709	13	21.30	74	44.29	4695.75	976,991.110	− 386.29	
4710	13	21.31	75	20.32	3295.38	977,358.512	− 298.62	
4711	13	21.41	74	4.74	4233.75	977,147.523	− 322.46	
4712	13	21.42	74	41.84	4480.26	977,030.789	− 389.87	
4713	13	21.43	74	51.32	4219.77	977,090.580	− 382.21	
4714	13	21.45	74	42.70	4556.19	977,018.985	− 386.48	
4715	13	21.50	74	51.86	4181.54	977,099.075	− 381.41	
4716	13	21.56	75	20.58	3213.52	977,383.552	− 290.04	
4717	13	21.59	74	11.22	4114.42	977,153.170	− 340.79	
4718	13	21.62	73	56.68	3763.83	977,241.983	− 322.01	
4719	13	21.73	71	55.08	2940.52	977,439.371	− 288.60	
4720	13	21.75	71	35.95	3420.12	977,399.530	− 233.06	
4721	13	21.78	72	7.43	3488.31	977,327.000	− 292.03	
4722	13	21.79	70	53.80	1047.02	977,926.206	− 176.10	
4723	13	21.82	74	56.50	3950.72	977,151.355	− 375.47	
4724	13	21.89	75	20.66	3148.57	977,397.077	− 289.65	
4725	13	21.96	74	11.12	4026.71	977,172.537	− 339.20	
4726	13	22.18	74	52.44	4122.69	977,111.941	− 380.77	
4727	13	22.23	73	57.01	3832.29	977,224.837	− 325.91	
4728	13	22.28	74	4.60	4274.66	977,138.517	− 323.87	
4729	13	22.34	73	56.75	3670.73	977,259.750	− 323.30	
4730	13	22.39	73	56.52	3590.84	977,277.230	− 321.78	
4731	13	22.39	75	21.05	3076.19	977,418.345	− 283.11	
4732	13	22.42	70	53.89	1099.15	977,904.050	− 188.43	
4733	13	22.43	71	36.20	3459.08	977,391.857	− 233.44	
4734	13	22.51	71	54.82	2934.53	977,438.594	− 291.10	
4735	13	22.57	74	3.53	4193.87	977,156.480	− 322.26	
4736	13	22.66	74	53.11	4068.69	977,125.119	− 378.70	
4737	13	22.73	74	11.22	3954.06	977,185.284	− 341.49	
4738	13	22.75	76	12.17	6.28	978,259.559	− 47.53	
4739	13	22.75	73	56.37	3519.36	977,292.026	− 321.48	
4740	13	22.78	75	25.80	2174.34	977,620.826	− 259.76	
4741	13	22.80	71	54.22	2942.08	977,436.578	− 291.81	
4742	13	22.82	74	56.20	3924.17	977,159.946	− 372.86	
4743	13	22.82	73	56.17	3442.29	977,307.526	− 321.38	
4744	13	22.89	73	55.99	3352.11	977,324.583	− 322.32	
4745	13	22.89	74	4.19	4189.48	977,156.961	− 322.88	
4746	13	22.95	75	21.71	2998.05	977,441.786	− 275.58	
4747	13	22.98	71	53.82	2950.52	977,437.349	− 289.49	Coya
4748	13	23.00	73	57.21	3906.20	977,207.386	− 329.13	
4749	13	23.10	75	25.76	2250.31	977,605.627	− 260.14	
4750	13	23.11	73	57.40	4064.28	977,172.247	− 332.77	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4751	13	23.13	71	35.91	3513.31	977,382.025	− 232.94	
4752	13	23.17	74	53.53	3945.98	977,150.986	− 377.70	
4753	13	23.21	70	54.00	1161.39	977,888.987	− 191.78	Rio-Araza-Pte.
4754	13	23.21	74	53.39	3998.87	977,143.803	− 374.35	
4755	13	23.22	75	26.15	2079.53	977,641.906	− 257.73	
4756	13	23.25	73	55.57	3252.80	977,344.235	− 322.68	
4757	13	23.29	72	7.21	3541.88	977,316.848	− 292.53	
4758	13	23.32	73	57.53	4109.31	977,163.939	− 332.21	
4759	13	23.32	71	37.25	3676.19	977,348.298	− 234.32	
4760	13	23.36	71	37.01	3629.54	977,356.463	− 235.49	
4761	13	23.45	75	22.04	2934.99	977,455.151	− 275.09	
4762	13	23.45	73	54.82	3166.11	977,369.147	− 315.15	
4763	13	23.49	71	36.71	3562.56	977,369.501	− 235.89	
4764	13	23.57	74	3.47	4202.37	977,153.899	− 323.82	
4765	13	23.58	74	55.31	4004.32	977,153.088	− 364.22	
4766	13	23.59	75	25.03	2565.39	977,556.062	− 247.62	
4767	13	23.63	73	54.14	3074.28	977,386.456	− 316.23	
4768	13	23.69	74	55.83	3945.41	977,161.196	− 367.95	
4769	13	23.70	75	26.44	1983.70	977,661.091	− 257.82	
4770	13	23.74	75	25.08	2503.21	977,571.223	− 244.88	
4771	13	23.75	73	56.73	3994.89	977,186.196	− 333.11	
4772	13	23.76	71	35.72	3528.90	977,375.554	− 236.73	
4773	13	23.81	74	53.75	3989.55	977,148.368	− 372.04	
4774	13	23.81	71	36.86	3768.91	977,339.303	− 225.16	
4775	13	23.81	72	7.85	3519.43	977,321.170	− 293.04	
4776	13	23.84	70	53.85	1223.85	977,872.354	− 196.54	
4777	13	23.89	75	23.46	2750.54	977,507.189	− 259.97	
4778	13	23.90	75	25.90	2331.61	977,597.482	− 252.73	
4779	13	23.93	73	53.59	3013.15	977,398.355	− 316.68	
4780	13	23.98	71	53.59	2946.93	977,437.251	− 290.97	
4781	13	23.98	75	25.55	2421.68	977,582.308	− 250.12	
4782	13	24.02	75	24.08	2675.48	977,528.107	− 254.04	
4783	13	24.05	75	22.37	2883.43	977,472.096	− 268.79	
4784	13	24.15	74	11.98	3805.50	977,209.459	− 347.93	
4785	13	24.18	72	8.53	3520.86	977,319.584	− 294.58	
4786	13	24.26	73	57.30	4120.19	977,162.597	− 332.02	
4787	13	24.26	74	55.41	4050.89	977,146.233	− 362.23	
4788	13	24.27	75	22.72	2859.58	977,483.748	− 262.02	
4789	13	24.31	71	38.41	3723.28	977,336.842	− 237.06	
4790	13	24.31	73	53.23	2997.50	977,402.883	− 315.52	
4791	13	24.32	75	27.02	1894.62	977,685.083	− 251.85	
4792	13	24.35	74	2.26	4140.52	977,168.047	− 322.57	
4793	13	24.35	76	9.98	72.79	978,253.269	− 41.90	
4794	13	24.36	71	37.17	3717.48	977,339.452	− 235.64	
4795	13	24.38	74	3.03	4158.44	977,163.226	− 323.83	
4796	13	24.39	71	36.67	3734.69	977,336.418	− 235.26	
4797	13	24.47	71	37.68	3708.46	977,340.572	− 236.39	
4798	13	24.52	70	54.00	1279.33	977,848.331	− 210.10	Capiri
4799	13	24.53	74	53.61	4052.79	977,137.341	− 370.93	
4800	13	24.56	71	38.77	3757.97	977,326.761	− 240.39	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4801	13	24.64	74	0.43	4130.88	977,167.163	− 325.57	
4802	13	24.70	71	52.67	2960.68	977,434.554	− 291.43	
4803	13	24.77	73	53.70	2960.13	977,411.520	− 314.62	
4804	13	24.81	74	54.89	4104.69	977,135.962	− 362.12	
4805	13	24.89	74	54.27	4086.70	977,137.260	− 364.48	
4806	13	24.90	76	7.88	97.00	978,256.273	− 34.52	chincha-Plaza
4807	13	24.91	73	58.00	4145.15	977,157.524	− 332.55	
4808	13	24.95	74	1.43	4033.39	977,189.774	− 322.65	
4809	13	24.99	75	27.41	1788.17	977,709.736	− 248.67	
4810	13	24.99	71	51.81	2959.28	977,436.327	− 290.13	
4811	13	25.01	73	59.78	4174.35	977,156.924	− 327.37	
4812	13	25.01	72	8.26	3513.73	977,317.840	− 298.31	
4813	13	25.02	71	38.17	3736.43	977,332.958	− 238.80	
4814	13	25.06	71	51.31	2962.07	977,437.181	− 288.77	
4815	13	25.07	71	50.95	2971.17	977,435.626	− 288.52	Pisac-Plaza
4816	13	25.07	74	2.42	4100.65	977,175.771	− 323.30	
4817	13	25.09	73	51.28	2168.96	977,572.486	− 310.73	
4818	13	25.16	70	54.06	1370.57	977,822.853	− 218.04	
4819	13	25.17	74	0.77	4084.07	977,178.611	− 323.84	
4820	13	25.20	74	2.02	4071.77	977,181.270	− 323.66	
4821	13	25.23	73	51.15	2113.72	977,581.091	− 313.15	
4822	13	25.25	71	50.98	2965.85	977,436.195	− 289.13	Pisac-Pte.
4823	13	25.31	73	52.00	2281.46	977,549.926	− 311.18	
4824	13	25.33	74	12.12	3726.41	977,219.991	− 353.98	
4825	13	25.37	73	53.74	2905.59	977,420.751	− 316.63	
4826	13	25.44	73	54.37	2818.08	977,438.007	− 316.79	
4827	13	25.48	73	52.36	2364.87	977,533.199	− 311.50	
4828	13	25.51	73	58.92	4161.94	977,155.089	− 332.03	
4829	13	25.56	71	50.64	3075.15	977,417.063	− 286.75	
4830	13	25.64	73	53.85	2732.40	977,457.178	− 314.76	
4831	13	25.65	72	7.81	3496.19	977,317.864	− 302.22	
4832	13	25.70	73	52.66	2459.97	977,511.728	− 314.28	
4833	13	25.78	70	54.18	1406.26	977,810.465	− 223.82	
4834	13	25.78	71	38.98	3830.13	977,310.307	− 243.27	
4835	13	25.84	75	27.77	1737.40	977,726.051	− 242.96	
4836	13	25.84	73	49.53	1938.11	977,609.615	− 319.76	
4837	13	25.87	73	52.93	2545.93	977,493.465	− 315.62	
4838	13	25.87	73	53.48	2640.48	977,474.946	− 315.39	
4839	13	25.88	71	50.30	2978.13	977,431.420	− 291.89	
4840	13	25.96	73	49.94	2012.31	977,597.921	− 316.87	
4841	13	26.09	74	11.55	3628.85	977,240.265	− 353.68	
4842	13	26.21	71	39.09	3877.16	977,297.878	− 246.61	
4843	13	26.21	71	52.05	3298.92	977,372.032	− 287.71	
4844	13	26.27	75	27.96	1737.46	977,729.760	− 239.54	
4845	13	26.31	72	7.90	3493.47	977,315.934	− 305.14	
4846	13	26.36	70	53.99	1479.55	977,791.071	− 229.16	
4847	13	26.40	73	49.43	1981.90	977,600.807	− 320.29	
4848	13	26.48	72	21.17	3603.88	977,296.046	− 303.14	Ayllumayo
4849	13	26.49	74	11.49	3569.52	977,253.759	− 352.28	
4850	13	26.56	72	21.98	3714.17	977,274.030	− 303.22	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4851	13	26.62	72	20.31	3518.10	977,312.220	− 304.15	
4852	13	26.64	71	49.79	2977.65	977,429.196	− 294.73	
4853	13	26.66	72	8.59	3348.00	977,340.715	− 309.57	
4854	13	26.68	72	24.05	3427.05	977,327.298	− 307.25	Motoipata
4855	13	26.70	72	19.43	3462.39	977,322.288	− 305.24	Ancahuasi
4856	13	26.71	72	7.97	3414.06	977,329.359	− 307.80	
4857	13	26.78	72	22.55	3650.38	977,283.110	− 307.01	
4858	13	26.79	72	23.30	3586.49	977,295.123	− 307.74	
4859	13	26.81	71	52.32	3354.55	977,362.741	− 286.33	
4860	13	26.87	75	28.08	1694.12	977,733.148	− 245.10	
4861	13	26.88	71	39.09	3907.80	977,289.538	− 249.29	
4862	13	26.92	73	49.78	1963.53	977,605.736	− 319.35	
4863	13	26.97	70	53.97	1547.08	977,772.116	− 235.22	Chaupichaca
4864	13	26.98	72	23.72	3486.54	977,317.304	− 305.61	
4865	13	27.13	72	24.26	3227.55	977,365.217	− 309.35	
4866	13	27.14	72	24.03	3333.57	977,345.985	− 307.49	
4867	13	27.18	74	12.24	3597.26	977,249.353	− 351.63	
4868	13	27.24	72	18.48	3431.15	977,330.317	− 303.80	
4869	13	27.28	71	49.31	2981.58	977,424.950	− 298.63	
4870	13	27.35	72	24.75	3022.47	977,400.915	− 314.58	
4871	13	27.38	76	8.08	58.20	978,264.285	− 35.79	
4872	13	27.42	72	24.47	3149.19	977,378.138	− 312.22	
4873	13	27.47	72	25.37	2736.10	977,451.951	− 320.50	Mollemarca
4874	13	27.47	71	39.21	3894.96	977,290.924	− 250.86	
4875	13	27.52	70	53.77	1599.91	977,756.428	− 240.86	
4876	13	27.54	72	24.96	2874.53	977,427.641	− 317.38	Challabamba
4877	13	27.56	72	23.47	3543.58	977,306.051	− 305.88	
4878	13	27.57	73	49.64	2030.81	977,593.906	− 318.31	
4879	13	27.71	72	8.96	3337.19	977,340.570	− 312.58	
4880	13	27.72	72	17.34	3382.69	977,341.278	− 302.81	
4881	13	27.78	71	53.42	3517.55	977,333.233	− 284.04	
4882	13	27.83	75	28.15	1635.24	977,744.592	− 245.93	
4883	13	27.98	72	25.93	2638.61	977,470.958	− 321.19	
4884	13	28.06	71	39.26	3924.84	977,275.076	− 261.15	
4885	13	28.09	71	55.10	3580.82	977,319.996	− 284.88	
4886	13	28.09	71	48.71	2985.38	977,427.480	− 295.89	
4887	13	28.17	70	53.50	1685.22	977,741.600	− 239.30	
4888	13	28.23	73	49.52	2021.99	977,593.987	− 320.43	
4889	13	28.26	72	8.96	3335.80	977,342.735	− 311.06	Anta
4890	13	28.35	72	7.90	3350.13	977,341.218	− 309.79	
4891	13	28.42	74	12.25	3640.42	977,247.093	− 346.12	
4892	13	28.55	75	28.01	1617.39	977,757.595	− 236.94	
4893	13	28.57	72	26.47	2553.69	977,482.096	− 327.28	Limatambo
4894	13	28.58	71	39.41	3898.43	977,286.346	− 255.50	
4895	13	28.60	70	53.16	1753.61	977,731.109	− 236.58	
4896	13	28.61	72	4.35	3429.25	977,325.470	− 309.96	Cachimayo
4897	13	28.64	72	16.51	3347.50	977,349.206	− 302.52	
4898	13	28.65	72	9.65	3334.33	977,337.577	− 316.78	
4899	13	28.67	71	47.96	2988.17	977,426.963	− 296.25	
4900	13	28.72	71	57.47	3753.16	977,276.671	− 294.27	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4901	13	28.83	72	5.17	3381.79	977,334.352	− 310.68	
4902	13	28.87	73	49.06	2028.81	977,591.835	− 321.67	
4903	13	28.88	72	6.59	3362.87	977,338.051	− 310.78	
4904	13	28.89	71	47.47	2998.18	977,424.427	− 296.95	
4905	13	28.93	74	11.81	3557.81	977,269.505	− 340.53	Viscachayoj
4906	13	29.00	70	53.60	1792.24	977,719.529	− 240.81	Mancara
4907	13	29.05	71	56.04	3787.45	977,274.098	− 290.22	
4908	13	29.07	76	8.27	51.98	978,266.905	− 35.53	
4909	13	29.08	72	15.25	3335.19	977,348.989	− 305.49	Gramal
4910	13	29.16	72	3.58	3441.75	977,323.134	− 310.18	
4911	13	29.22	71	38.74	3884.40	977,287.931	− 257.16	
4912	13	29.23	71	57.80	3765.91	977,266.979	− 301.76	
4913	13	29.25	71	46.72	3001.50	977,418.873	− 302.09	
4914	13	29.27	75	28.38	1589.59	977,775.438	− 225.07	
4915	13	29.27	72	4.02	3415.48	977,328.533	− 310.09	
4916	13	29.28	73	48.59	2035.13	977,590.209	− 322.32	
4917	13	29.45	72	14.12	3328.57	977,347.600	− 308.45	
4918	13	29.52	72	10.50	3324.71	977,339.918	− 316.95	
4919	13	29.59	70	53.75	1855.20	977,707.375	− 240.93	
4920	13	29.63	72	2.80	3501.72	977,312.251	− 309.44	
4921	13	29.68	71	46.41	3011.20	977,416.326	− 303.00	
4922	13	29.78	72	12.86	3324.07	977,341.148	− 316.02	Marquesbabma
4923	13	29.81	73	48.34	2027.51	977,592.451	− 321.95	
4924	13	29.92	72	11.62	3328.18	977,343.197	− 313.25	
4925	13	29.95	72	1.36	3581.94	977,295.475	− 310.45	
4926	13	29.96	72	1.99	3516.60	977,307.889	− 311.06	
4927	13	30.06	71	39.05	3845.87	977,294.818	− 258.53	Huancarane
4928	13	30.08	72	0.74	3679.38	977,274.177	− 312.40	Arpunc
4929	13	30.09	70	53.64	1939.90	977,697.187	− 234.72	Thio-Pte.
4930	13	30.12	71	39.37	3791.12	977,302.907	− 261.41	
4931	13	30.18	71	40.43	3745.30	977,309.024	− 264.48	Chacabamba
4932	13	30.20	71	45.82	3011.62	977,411.240	− 308.36	
4933	13	30.21	71	58.42	3573.98	977,295.900	− 311.78	
4934	13	30.24	72	0.08	3613.11	977,288.204	− 311.70	
4935	13	30.27	74	11.84	3610.50	977,261.374	− 339.07	
4936	13	30.39	73	48.29	2024.30	977,589.686	− 325.74	
4937	13	30.43	71	59.38	3534.88	977,302.510	− 313.11	
4938	13	30.44	71	40.67	3695.55	977,315.963	− 267.64	
4939	13	30.65	72	2.15	3583.95	977,294.727	− 311.27	Huampar
4940	13	30.67	73	42.42	2927.86	977,430.993	− 305.57	
4941	13	30.70	71	59.35	3454.06	977,319.115	− 312.80	Avenida-Apurimac
4942	13	30.72	73	42.91	2842.23	977,445.032	− 308.57	
4943	13	30.75	73	43.24	2800.72	977,452.718	− 309.14	
4944	13	30.77	71	58.57	3398.79	977,330.087	− 312.88	Cuzoco-Plaza
4945	13	30.78	71	40.93	3683.04	977,310.729	− 275.60	
4946	13	30.78	75	29.07	1469.76	977,814.984	− 210.19	
4947	13	30.84	70	53.82	2048.22	977,676.173	− 234.84	
4948	13	30.87	73	45.20	2621.02	977,485.379	− 312.22	
4949	13	30.87	73	44.15	2699.21	977,470.111	− 311.98	
4950	13	30.89	71	45.16	3023.75	977,408.087	− 309.57	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
4951	13	30.91	71	40.34	3647.65	977,320.810	− 272.66	
4952	13	30.96	73	41.87	3020.16	977,414.563	− 303.86	
4953	13	31.04	71	41.40	3665.36	977,311.041	− 278.99	
4954	13	31.09	73	48.10	2046.94	977,586.172	− 325.26	
4955	13	31.11	71	44.70	3028.14	977,409.619	− 307.32	
4956	13	31.21	73	44.77	2516.55	977,504.694	− 313.85	
4957	13	31.28	71	41.93	3618.27	977,315.015	− 284.57	Huasas
4958	13	31.29	71	59.37	3412.22	977,327.181	− 313.47	San-Francisco-Plaza
4959	13	31.29	73	45.67	2446.80	977,515.316	− 317.11	
4960	13	31.30	71	58.00	3345.99	977,342.171	− 311.67	Cuzco-Univ.
4961	13	31.30	73	47.22	2151.42	977,563.856	− 327.06	
4962	13	31.31	71	56.91	3322.28	977,347.332	− 311.24	
4963	13	31.35	74	11.67	3487.61	977,285.188	− 340.48	
4964	13	31.35	70	53.45	2145.80	977,655.352	− 236.71	Chile-Chile
4965	13	31.37	73	46.64	2251.09	977,547.619	− 323.62	
4966	13	31.45	71	44.20	3028.68	977,412.031	− 305.03	
4967	13	31.52	75	30.11	1472.22	977,824.378	− 200.82	
4968	13	31.54	74	11.27	3470.00	977,288.307	− 341.00	
4969	13	31.56	71	56.13	3299.19	977,352.727	− 310.61	Iglesia-San-Sebastian
4970	13	31.59	72	30.37	2272.34	977,524.906	− 342.27	Rio-Blanco-Pte.
4971	13	31.66	71	54.73	3250.29	977,365.368	− 307.76	
4972	13	31.70	71	55.36	3272.04	977,359.549	− 309.29	
4973	13	31.78	75	30.58	1430.02	977,837.092	− 196.59	
4974	13	31.78	70	53.16	2200.94	977,644.489	− 236.95	
4975	13	31.78	73	40.53	3204.12	977,379.620	− 302.78	Uripa-Plaza
4976	13	31.82	71	42.14	3593.81	977,314.378	− 290.45	
4977	13	31.90	72	45.98	3505.26	977,310.792	− 311.74	
4978	13	31.90	73	41.04	3131.99	977,391.763	− 305.07	
4979	13	31.92	73	40.28	3252.43	977,369.337	− 303.55	
4980	13	31.98	71	54.22	3242.70	977,366.111	− 308.75	
4981	13	31.98	71	56.58	3185.00	977,354.802	− 331.54	
4982	13	31.99	71	44.38	3035.64	977,411.063	− 304.98	
4983	13	31.99	72	45.58	3428.28	977,324.103	− 313.82	
4984	13	32.06	72	44.99	3221.31	977,365.702	− 313.47	
4985	13	32.08	72	47.20	3613.54	977,292.000	− 309.07	Saihuite
4986	13	32.11	72	41.80	2656.88	977,470.738	− 320.60	
4987	13	32.14	72	48.00	3712.51	977,274.099	− 307.29	
4988	13	32.16	73	40.55	3326.91	977,353.516	− 304.71	
4989	13	32.18	71	41.94	3538.39	977,322.666	− 293.46	
4990	13	32.18	72	41.48	2666.09	977,468.718	− 320.84	Rio-Paocha-Pte.
4991	13	32.19	72	39.64	2230.30	977,540.107	− 335.81	
4992	13	32.21	72	45.34	3310.45	977,346.443	− 315.09	
4993	13	32.23	73	39.86	3387.46	977,343.242	− 302.98	
4994	13	32.25	72	41.62	2688.21	977,464.984	− 320.23	Curahuasi-Plaza
4995	13	32.27	72	42.82	2637.47	977,472.698	− 322.59	
4996	13	32.29	72	44.89	3123.50	977,384.230	− 314.56	
4997	13	32.30	72	40.86	2579.85	977,481.538	− 325.20	
4998	13	32.31	72	39.96	2379.31	977,512.995	− 333.49	
4999	13	32.33	73	38.15	3730.00	977,278.786	− 299.24	
5000	13	32.34	72	36.62	2039.77	977,563.459	− 350.25	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5001	13	32.36	75	31.07	1373.62	977,853.010	− 192.19	
5002	13	32.38	73	39.24	3531.20	977,316.953	− 300.74	
5003	13	32.41	73	39.86	3454.14	977,329.033	− 304.03	
5004	13	32.42	72	38.64	2110.74	977,558.580	− 341.14	
5005	13	32.42	70	53.13	2238.67	977,635.399	− 239.01	
5006	13	32.47	71	52.92	3242.93	977,369.726	− 305.43	San-Geronimo
5007	13	32.52	71	44.07	3034.32	977,411.449	− 305.22	
5008	13	32.55	72	44.98	3077.97	977,391.933	− 316.08	
5009	13	32.60	72	43.51	2673.08	977,464.245	− 324.21	
5010	13	32.60	72	39.94	2478.08	977,494.649	− 332.47	
5011	13	32.61	73	38.85	3635.35	977,293.851	− 303.24	
5012	13	32.70	72	39.47	2093.92	977,555.226	− 348.02	Quebrada-Capilla
5013	13	32.73	73	37.39	3789.16	977,265.537	− 300.95	
5014	13	32.74	71	42.04	3490.38	977,324.657	− 301.41	
5015	13	32.77	74	10.85	3371.27	977,306.741	− 343.07	Manzanayoc
5016	13	32.77	71	52.04	3180.38	977,384.387	− 303.42	Condorpata
5017	13	32.78	72	48.77	3826.12	977,249.605	− 309.55	
5018	13	32.79	72	31.28	2080.37	977,556.661	− 349.32	Rio-Calora-Pte.
5019	13	32.82	71	52.31	3206.73	977,379.019	− 303.58	
5020	13	32.84	72	45.53	3007.55	977,405.816	− 316.39	
5021	13	32.86	71	43.57	3046.79	977,408.971	− 305.45	
5022	13	32.88	73	37.55	3883.18	977,244.508	− 303.32	
5023	13	32.88	73	37.96	3972.12	977,223.824	− 306.25	
5024	13	33.01	70	53.32	2312.34	977,611.645	− 248.59	
5025	13	33.02	75	31.30	1332.05	977,870.619	− 183.22	
5026	13	33.03	71	7.47	4300.10	977,202.328	− 262.29	
5027	13	33.07	72	45.40	2966.07	977,410.733	− 319.88	
5028	13	33.09	72	44.21	2765.50	977,448.415	− 322.04	
5029	13	33.15	70	54.23	2451.87	977,565.948	− 266.74	
5030	13	33.24	72	44.48	2818.26	977,439.961	− 320.12	
5031	13	33.28	70	53.71	2370.67	977,593.904	− 254.96	Ococha
5032	13	33.28	73	37.80	4017.00	977,212.671	− 308.71	
5033	13	33.30	71	7.16	4235.77	977,224.096	− 253.57	
5034	13	33.39	75	31.52	1306.54	977,886.809	− 172.31	
5035	13	33.45	71	50.61	3160.49	977,385.640	− 306.58	
5036	13	33.45	70	54.68	2525.31	977,545.770	− 272.57	Yunkahual-South
5037	13	33.47	72	45.21	2910.92	977,423.829	− 318.01	
5038	13	33.48	71	43.03	3043.85	977,408.873	− 306.56	
5039	13	33.49	76	7.86	46.98	978,276.559	− 29.88	
5040	13	33.54	71	4.34	3917.20	977,286.287	− 255.20	
5041	13	33.55	71	42.39	3420.48	977,338.583	− 301.96	
5042	13	33.59	73	37.57	4034.63	977,209.976	− 308.09	
5043	13	33.61	72	48.77	3911.41	977,234.395	− 308.30	
5044	13	33.67	74	10.05	3248.69	977,333.340	− 341.49	
5045	13	33.70	75	31.96	1269.11	977,901.358	− 165.35	
5046	13	33.74	71	4.26	3861.00	977,290.323	− 262.52	
5047	13	33.80	70	54.99	2576.67	977,536.754	− 271.64	Yunkahual
5048	13	33.85	71	49.77	3146.89	977,389.124	− 306.08	Savila
5049	13	33.85	71	6.90	4187.97	977,228.359	− 259.24	
5050	13	33.85	71	3.86	3785.73	977,305.298	− 262.65	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5051	13	33.90	71	4.97	3966.91	977,271.510	− 260.30	
5052	13	33.94	71	42.82	3375.43	977,348.358	− 301.43	
5053	13	33.97	71	3.31	3743.46	977,311.885	− 264.57	Umaparco
5054	13	33.99	71	6.34	4078.86	977,243.284	− 266.22	
5055	13	33.99	71	7.26	4311.18	977,200.371	− 262.68	
5056	13	34.00	71	9.47	4397.98	977,187.288	− 258.40	Patahuasi
5057	13	34.01	71	5.81	4027.13	977,256.132	− 263.73	Chacona
5058	13	34.01	71	5.66	4007.33	977,260.909	− 262.91	
5059	13	34.10	73	37.88	4090.98	977,199.974	− 307.19	
5060	13	34.10	71	1.29	3501.47	977,365.070	− 259.72	
5061	13	34.11	71	6.36	4137.85	977,231.796	− 266.00	
5062	13	34.12	71	42.42	3311.92	977,360.104	− 302.45	
5063	13	34.15	75	32.33	1242.47	977,908.029	− 164.22	
5064	13	34.16	70	55.39	2659.39	977,523.031	− 269.21	Amacho
5065	13	34.16	71	42.07	3251.08	977,371.500	− 303.19	
5066	13	34.17	71	2.56	3672.76	977,325.724	− 264.98	
5067	13	34.18	71	7.26	4373.41	977,189.753	− 260.98	
5068	13	34.20	71	8.39	4735.14	977,125.285	− 252.99	Abra-Huallahualla
5069	13	34.20	71	42.22	3194.80	977,381.126	− 304.79	
5070	13	34.21	71	2.08	3599.24	977,344.394	− 260.99	
5071	13	34.23	71	43.35	3055.78	977,406.400	− 307.18	
5072	13	34.24	71	48.91	3128.94	977,391.793	− 307.24	
5073	13	34.26	71	1.48	3554.36	977,348.516	− 265.85	
5074	13	34.28	71	9.38	4449.89	977,177.295	− 258.19	
5075	13	34.30	71	7.40	4418.13	977,182.744	− 259.12	
5076	13	34.34	71	8.43	4713.47	977,127.079	− 255.64	
5077	13	34.35	71	42.46	3136.04	977,393.332	− 304.37	
5078	13	34.35	71	0.90	3448.89	977,377.176	− 258.26	
5079	13	34.35	72	50.11	3765.79	977,260.540	− 311.73	
5080	13	34.36	71	0.73	3383.33	977,386.144	− 262.36	Tuturane
5081	13	34.42	71	42.73	3169.16	977,389.762	− 301.40	
5082	13	34.46	71	7.58	4527.98	977,162.405	− 257.57	
5083	13	34.47	72	49.09	3980.99	977,220.722	− 308.67	
5084	13	34.49	71	7.34	4477.42	977,172.896	− 257.22	
5085	13	34.50	71	9.51	4485.02	977,166.741	− 261.87	
5086	13	34.52	70	55.79	2720.86	977,508.391	− 271.90	
5087	13	34.53	72	36.13	1841.85	977,598.502	− 355.82	Cunyac-Pte.
5088	13	34.56	71	6.98	4579.34	977,150.422	− 259.33	
5089	13	34.57	71	48.21	3113.76	977,392.353	− 309.93	
5090	13	34.59	74	9.88	3138.55	977,349.862	− 347.51	
5091	13	34.60	71	8.89	4677.72	977,134.534	− 255.53	
5092	13	34.61	71	42.72	3059.24	977,411.704	− 301.45	Huacarpay
5093	13	34.63	72	49.37	3858.53	977,243.989	− 309.96	
5094	13	34.64	71	9.89	4353.35	977,189.688	− 265.37	
5095	13	34.65	71	9.25	4624.21	977,142.763	− 258.06	
5096	13	34.66	71	0.27	3332.06	977,394.589	− 264.33	Huaylloc
5097	13	34.67	72	50.21	3673.13	977,279.444	− 311.53	
5098	13	34.73	70	59.86	3290.90	977,404.515	− 262.64	
5099	13	34.74	70	59.40	3226.48	977,415.239	− 264.74	
5100	13	34.78	73	37.51	4158.51	977,185.986	− 308.14	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5101	13	34.78	71	42.81	3062.81	977,410.832	− 301.73	Huambutio
5102	13	34.82	71	9.88	4587.14	977,141.655	− 266.71	
5103	13	34.85	71	42.35	3067.38	977,407.261	− 304.44	
5104	13	34.88	70	58.96	3142.00	977,427.993	− 268.89	Rio-Araza-Pte.
5105	13	34.91	74	9.58	3234.81	977,328.335	− 350.11	
5106	13	34.92	75	32.88	1208.92	977,922.028	− 157.36	
5107	13	34.97	76	8.22	76.60	978,267.928	− 33.74	
5108	13	34.99	70	58.54	3103.45	977,435.266	− 269.36	
5109	13	35.01	72	49.10	3940.03	977,228.438	− 309.50	
5110	13	35.01	72	50.80	3246.16	977,356.700	− 319.55	
5111	13	35.04	70	56.07	2783.41	977,501.064	− 267.17	
5112	13	35.04	71	7.74	4680.73	977,132.252	− 257.51	
5113	13	35.04	71	7.13	4635.40	977,139.370	− 259.48	
5114	13	35.05	71	47.15	3097.14	977,395.452	− 310.47	
5115	13	35.10	71	10.16	4542.59	977,150.320	− 267.17	
5116	13	35.12	70	57.53	2965.25	977,470.566	− 261.61	
5117	13	35.13	71	10.52	4301.76	977,193.522	− 272.20	Ampalune-Lag.
5118	13	35.19	70	58.16	3038.46	977,454.524	− 263.15	Marcapata
5119	13	35.23	73	36.92	4162.76	977,185.056	− 308.53	
5120	13	35.24	70	56.53	2839.92	977,494.911	− 262.24	
5121	13	35.25	70	56.99	2910.19	977,480.572	− 262.63	
5122	13	35.25	72	50.57	3317.14	977,344.681	− 317.61	
5123	13	35.26	71	43.11	3080.02	977,409.468	− 300.00	
5124	13	35.28	72	50.58	3384.23	977,330.494	− 318.46	
5125	13	35.36	72	50.19	3560.11	977,298.902	− 315.07	
5126	13	35.47	74	9.48	3172.66	977,335.178	− 356.01	
5127	13	35.49	75	35.01	1056.37	977,973.834	− 135.96	
5128	13	35.50	74	9.30	3059.98	977,359.564	− 354.05	
5129	13	35.52	73	36.22	4179.50	977,180.277	− 310.16	
5130	13	35.54	71	46.59	3095.80	977,398.285	− 308.24	
5131	13	35.59	72	50.23	3459.79	977,317.647	− 316.47	
5132	13	35.62	75	33.24	1168.34	977,937.847	− 150.01	
5133	13	35.63	71	46.00	3090.90	977,399.969	− 307.59	Oropesa
5134	13	35.65	72	50.72	3184.43	977,370.850	− 318.12	
5135	13	35.66	71	45.81	3090.90	977,401.767	− 305.81	Oropesa
5136	13	35.67	75	36.03	1016.18	977,983.346	− 134.48	Pte.
5137	13	35.78	75	36.96	1018.66	977,995.575	− 121.84	
5138	13	35.79	75	34.21	1098.35	977,960.410	− 141.33	
5139	13	35.81	71	11.18	4248.02	977,200.095	− 276.84	
5140	13	35.83	71	45.54	3090.72	977,402.524	− 305.21	
5141	13	35.87	71	12.83	4090.38	977,228.284	− 280.21	
5142	13	35.89	71	43.51	3078.72	977,409.417	− 300.74	
5143	13	35.90	73	35.62	4213.47	977,174.797	− 309.11	
5144	13	35.90	73	34.39	4204.39	977,178.472	− 307.25	
5145	13	35.91	72	50.92	3071.82	977,389.986	− 321.55	
5146	13	35.93	72	50.54	3143.22	977,376.667	− 320.69	
5147	13	35.96	71	13.55	4066.08	977,231.164	− 282.25	Mahuallane
5148	13	35.98	73	34.41	4242.39	977,167.968	− 310.21	
5149	13	35.99	71	11.88	4213.52	977,206.587	− 277.37	
5150	13	36.03	75	37.80	1003.54	978,006.650	− 113.91	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5151	13	36.06	72	50.98	2992.50	977,405.277	− 322.13	Wilcoypata
5152	13	36.11	71	12.27	4131.64	977,220.667	− 279.75	Mallama
5153	13	36.20	75	33.51	1135.56	977,947.092	− 147.61	
5154	13	36.22	71	44.43	3087.68	977,406.128	− 302.47	Tongo-Bamba
5155	13	36.23	72	51.43	2744.68	977,450.339	− 326.40	
5156	13	36.26	75	38.32	940.43	978,023.143	− 109.98	
5157	13	36.33	76	8.86	80.30	978,264.123	− 37.75	
5158	13	36.36	74	9.13	2830.84	977,405.212	− 354.51	Mollebamba
5159	13	36.38	71	43.90	3078.67	977,407.339	− 303.16	
5160	13	36.45	72	51.77	2670.54	977,465.352	− 326.25	Avenida-San-Antonio
5161	13	36.50	71	11.82	4181.77	977,207.431	− 283.23	
5162	13	36.53	75	38.86	894.51	978,043.479	− 98.86	
5163	13	36.56	74	8.77	2710.58	977,429.724	− 354.01	
5164	13	36.56	72	51.37	2772.54	977,445.528	− 325.91	Ccollcaqui
5165	13	36.60	71	43.25	3128.43	977,398.169	− 302.59	
5166	13	36.60	71	14.75	4014.58	977,237.787	− 286.36	
5167	13	36.64	71	32.93	3655.39	977,319.877	− 275.98	Rio-Kazca-Pte.
5168	13	36.68	73	34.33	4182.60	977,180.240	− 310.37	
5169	13	36.77	71	24.02	3487.47	977,341.585	− 287.83	Tacna-Mayo-Pte.
5170	13	36.79	72	51.04	2901.77	977,422.226	− 323.71	
5171	13	36.81	72	52.06	2595.21	977,480.657	− 326.13	
5172	13	36.83	75	39.52	871.91	978,056.019	− 90.96	
5173	13	36.85	71	33.87	3757.25	977,299.186	− 276.50	
5174	13	36.90	71	15.38	3982.33	977,242.498	− 288.29	Huanacuyo
5175	13	36.93	71	35.12	4074.02	977,239.957	− 272.53	
5176	13	36.98	71	34.19	3894.88	977,273.712	− 274.60	
5177	13	37.00	71	34.77	4017.15	977,251.381	− 272.52	
5178	13	37.13	71	24.07	3515.21	977,334.419	− 289.71	
5179	13	37.14	71	42.32	3191.11	977,385.159	− 303.51	Portada-Incaica
5180	13	37.23	74	8.50	2596.97	977,448.354	− 358.37	
5181	13	37.23	71	32.37	3632.52	977,319.413	− 281.41	
5182	13	37.24	71	35.27	4132.13	977,227.194	− 273.90	
5183	13	37.24	71	33.87	3822.85	977,287.840	− 275.03	
5184	13	37.25	71	23.36	3515.20	977,333.984	− 290.23	
5185	13	37.35	71	34.37	3956.86	977,262.668	− 273.51	
5186	13	37.35	71	23.18	3535.03	977,329.682	− 290.65	Ocongate-Plaza
5187	13	37.37	75	40.26	822.99	978,075.239	− 81.73	
5188	13	37.47	73	34.50	4136.20	977,187.490	− 312.95	
5189	13	37.54	71	16.12	3943.41	977,245.816	− 293.19	Canchapampa
5190	13	37.58	74	8.50	2556.44	977,454.751	− 360.25	Cangallo-plaza
5191	13	37.62	71	41.72	3116.80	977,396.321	− 307.45	
5192	13	37.65	72	52.62	2466.78	977,505.923	− 326.90	
5193	13	37.71	71	16.52	3919.94	977,249.305	− 294.50	Palancoyoc
5194	13	37.73	75	41.09	797.63	978,088.700	− 73.50	
5195	13	37.78	72	53.03	2393.49	977,517.415	− 330.02	Abancay-Station
5196	13	37.84	71	24.78	3567.13	977,323.922	− 290.36	
5197	13	37.87	71	31.47	3616.25	977,318.075	− 286.43	Ccauri
5198	13	37.89	71	35.23	4190.23	977,212.691	− 277.23	
5199	13	37.93	72	52.65	2377.84	977,521.257	− 329.38	Abancay-Plaza
5200	13	37.98	75	41.77	768.56	978,101.040	− 67.04	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5201	13	38.02	71	24.88	3614.80	977,316.936	− 287.96	
5202	13	38.03	73	20.88	3095.54	977,400.769	− 307.51	
5203	13	38.06	73	33.95	4071.65	977,200.695	− 313.05	
5204	13	38.11	71	35.36	4186.96	977,211.570	− 279.16	
5205	13	38.12	74	7.98	2542.59	977,455.373	− 362.75	
5206	13	38.13	71	24.89	3656.72	977,309.457	− 287.16	
5207	13	38.13	75	43.52	696.21	978,134.409	− 47.98	
5208	13	38.15	71	30.88	3605.22	977,321.168	− 285.73	Pamap-Camara
5209	13	38.15	71	22.56	3573.30	977,320.608	− 292.65	
5210	13	38.19	71	27.99	3591.71	977,325.253	− 284.37	
5211	13	38.21	71	29.05	3634.48	977,317.940	− 283.16	
5212	13	38.21	71	28.70	3625.79	977,318.923	− 283.91	
5213	13	38.21	73	34.05	3991.14	977,216.443	− 313.49	
5214	13	38.22	75	42.64	752.04	978,111.098	− 60.39	
5215	13	38.33	73	20.13	3228.71	977,376.477	− 305.53	
5216	13	38.35	73	33.59	3924.43	977,231.141	− 312.21	
5217	13	38.37	71	17.07	3885.96	977,254.390	− 296.66	
5218	13	38.39	75	43.24	774.07	978,111.913	− 55.37	
5219	13	38.44	71	29.69	3630.22	977,317.249	− 284.87	
5220	13	38.45	71	30.20	3588.72	977,326.374	− 284.02	
5221	13	38.51	73	21.66	3001.85	977,417.983	− 309.25	
5222	13	38.54	74	7.38	2558.82	977,455.211	− 359.98	
5223	13	38.58	73	28.27	3186.75	977,374.640	− 315.88	
5224	13	38.59	71	35.50	4186.20	977,207.375	− 283.84	
5225	13	38.65	71	27.58	3651.39	977,309.530	− 288.51	
5226	13	38.65	71	17.85	3846.74	977,261.284	− 297.78	Chupapata
5227	13	38.65	73	33.47	3793.22	977,256.945	− 312.80	
5228	13	38.66	73	34.05	3869.34	977,239.525	− 315.04	
5229	13	38.70	71	25.22	3722.44	977,295.652	− 288.25	
5230	13	38.71	72	53.91	2307.74	977,530.856	− 334.20	
5231	13	38.75	71	22.27	3607.75	977,311.899	− 294.91	Rumi-Rumi
5232	13	38.77	73	19.42	3352.42	977,352.335	− 305.35	
5233	13	38.77	73	30.94	3435.14	977,327.353	− 313.86	
5234	13	38.78	73	30.94	3498.48	977,315.637	− 312.97	
5235	13	38.79	71	27.25	3720.62	977,297.317	− 287.01	
5236	13	38.80	73	32.14	3574.96	977,300.292	− 313.08	
5237	13	38.80	73	17.78	3452.76	977,332.013	− 305.71	
5238	13	38.81	75	44.00	665.89	978,152.534	− 36.27	
5239	13	38.83	73	32.12	3642.05	977,287.567	− 312.46	
5240	13	38.83	71	25.77	3782.07	977,284.290	− 287.81	Julicunca
5241	13	38.85	73	21.77	2944.42	977,431.005	− 307.88	
5242	13	38.88	73	32.63	3713.79	977,272.670	− 313.08	
5243	13	38.90	73	30.67	3365.69	977,340.776	− 314.36	
5244	13	38.93	73	26.78	2876.78	977,437.329	− 315.04	
5245	13	38.96	74	6.62	2526.95	977,461.517	− 360.29	
5246	13	38.99	71	34.99	4122.34	977,221.408	− 282.84	
5247	13	39.00	73	25.57	2820.49	977,449.927	− 313.67	
5248	13	39.01	73	30.48	3288.04	977,353.271	− 317.39	
5249	13	39.02	73	27.54	3115.93	977,389.669	− 315.24	
5250	13	39.05	73	28.25	3200.14	977,373.168	− 315.02	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5251	13	39.05	73	17.36	3498.76	977,325.601	− 303.13	
5252	13	39.07	71	25.56	3806.83	977,278.937	− 288.39	
5253	13	39.08	73	18.45	3429.58	977,337.682	− 304.86	
5254	13	39.10	73	26.78	2935.04	977,427.115	− 313.80	
5255	13	39.11	72	53.92	2216.90	977,547.506	− 335.81	
5256	13	39.13	71	26.85	3778.78	977,283.333	− 289.63	
5257	13	39.13	73	23.20	2899.55	977,438.583	− 309.40	Andahuaylas-Plaza
5258	13	39.17	71	18.56	3815.98	977,265.809	− 299.75	Checaspampa
5259	13	39.18	71	35.35	4187.81	977,203.581	− 287.71	
5260	13	39.22	71	21.88	3641.25	977,303.619	− 296.83	
5261	13	39.22	73	22.48	2905.55	977,437.785	− 309.07	
5262	13	39.24	73	26.92	3023.53	977,410.449	− 312.98	
5263	13	39.29	73	24.79	2843.65	977,447.361	− 311.84	
5264	13	39.29	73	29.61	3276.16	977,357.922	− 315.30	
5265	13	39.31	73	23.91	2861.56	977,444.524	− 311.13	
5266	13	39.34	71	25.21	3883.50	977,261.933	− 290.27	
5267	13	39.35	73	25.84	2803.28	977,453.956	− 313.30	
5268	13	39.37	71	40.90	3091.94	977,399.948	− 309.97	
5269	13	39.39	71	36.01	3853.54	977,268.459	− 289.76	
5270	13	39.39	71	26.63	3849.21	977,269.223	− 289.86	Quelcata
5271	13	39.39	71	35.49	4068.67	977,228.380	− 286.88	
5272	13	39.41	72	54.25	2160.10	977,558.132	− 336.63	
5273	13	39.43	73	26.48	2821.21	977,448.342	− 315.41	
5274	13	39.43	73	16.92	3555.92	977,314.699	− 302.91	
5275	13	39.45	71	26.01	3905.09	977,257.019	− 290.95	
5276	13	39.45	73	16.03	3578.59	977,305.670	− 307.43	
5277	13	39.49	71	40.89	3100.06	977,398.861	− 309.53	Anadahuaylillas
5278	13	39.50	76	8.87	83.05	978,260.484	− 43.03	
5279	13	39.51	75	45.99	639.14	978,160.128	− 34.41	
5280	13	39.52	71	20.93	3692.58	977,290.809	− 299.62	Puicabamba
5281	13	39.55	71	36.97	3521.05	977,334.655	− 289.98	
5282	13	39.56	71	19.87	3733.03	977,280.547	− 301.84	
5283	13	39.58	71	37.18	3462.95	977,345.442	− 290.79	Ceunucunca
5284	13	39.58	73	10.45	4084.01	977,198.454	− 313.87	
5285	13	39.60	71	35.67	4033.67	977,232.212	− 290.18	
5286	13	39.67	74	6.10	2524.30	977,463.075	− 359.74	
5287	13	39.67	71	35.98	3893.88	977,261.433	− 288.93	
5288	13	39.68	71	35.62	3992.58	977,242.683	− 287.97	
5289	13	39.69	73	13.85	3949.23	977,230.209	− 309.11	
5290	13	39.69	72	54.48	2083.03	977,571.097	− 339.10	
5291	13	39.70	71	19.18	3774.37	977,270.662	− 303.57	Lauramarca
5292	13	39.75	71	36.56	3633.89	977,313.509	− 288.77	Kanencunka
5293	13	39.77	71	35.93	3798.39	977,278.227	− 291.26	
5294	13	39.78	72	56.15	1770.01	977,620.438	− 351.68	
5295	13	39.81	71	36.95	3581.28	977,320.624	− 292.19	
5296	13	39.84	73	11.23	4134.07	977,190.059	− 312.44	
5297	13	39.87	73	12.72	4082.92	977,206.601	− 306.14	
5298	13	39.91	71	35.98	3694.82	977,298.682	− 291.56	
5299	13	39.93	71	35.61	3936.30	977,249.559	− 292.51	
5300	13	39.94	73	13.16	4014.11	977,222.594	− 303.94	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5301	13	39.95	72	56.36	2017.07	977,584.595	− 338.83	
5302	13	39.98	73	15.68	3580.35	977,305.495	− 307.62	
5303	13	40.07	72	55.43	1743.33	977,628.965	− 348.62	
5304	13	40.10	72	56.15	1889.87	977,601.657	− 347.01	
5305	13	40.13	72	56.58	2120.89	977,569.640	− 333.38	
5306	13	40.13	73	11.89	4126.58	977,201.713	− 302.48	
5307	13	40.13	71	37.20	3411.22	977,350.099	− 296.82	
5308	13	40.16	73	15.54	3662.82	977,287.749	− 309.05	
5309	13	40.17	75	46.68	603.66	978,176.164	− 25.79	
5310	13	40.25	71	35.65	3739.58	977,289.002	− 292.55	
5311	13	40.26	73	14.26	3867.47	977,250.703	− 305.34	
5312	13	40.27	72	57.47	2433.60	977,510.630	− 330.57	
5313	13	40.34	71	36.88	3357.10	977,362.028	− 295.81	
5314	13	40.34	73	5.56	3907.85	977,235.614	− 312.42	
5315	13	40.35	72	58.21	2529.07	977,493.876	− 328.46	
5316	13	40.40	72	56.94	2218.76	977,551.347	− 332.49	
5317	13	40.41	72	57.97	2722.30	977,457.874	− 326.19	
5318	13	40.41	74	4.91	2517.53	977,467.631	− 357.04	
5319	13	40.46	72	58.23	2635.20	977,473.383	− 327.99	
5320	13	40.50	72	55.15	1776.70	977,622.395	− 348.90	
5321	13	40.52	76	7.95	93.04	978,258.483	− 43.78	
5322	13	40.54	71	39.64	3096.95	977,397.578	− 312.16	
5323	13	40.60	76	8.55	83.23	978,259.046	− 45.19	
5324	13	40.62	76	7.10	106.38	978,257.752	− 41.97	
5325	13	40.63	72	58.17	2813.00	977,438.542	− 327.66	
5326	13	40.63	76	4.16	150.23	978,253.784	− 37.36	
5327	13	40.64	73	15.07	3743.10	977,275.693	− 305.43	
5328	13	40.66	71	39.24	3107.27	977,393.753	− 314.01	
5329	13	40.68	76	5.21	132.77	978,256.651	− 37.94	
5330	13	40.70	75	47.36	599.72	978,183.102	− 20.00	
5331	13	40.71	73	7.91	3693.80	977,278.497	− 312.50	
5332	13	40.72	72	57.33	2327.72	977,530.663	− 331.82	
5333	13	40.73	76	6.12	118.02	978,257.015	− 40.50	
5334	13	40.73	73	14.48	3788.37	977,267.364	− 304.79	
5335	13	40.75	71	37.06	3117.12	977,398.920	− 306.95	Rio-Vilcanota
5336	13	40.77	76	3.57	161.95	978,250.969	− 37.98	
5337	13	40.78	73	6.18	3873.15	977,241.150	− 314.12	
5338	13	40.78	72	57.97	2895.08	977,425.047	− 324.97	
5339	13	40.79	71	36.22	3300.58	977,372.882	− 296.52	
5340	13	40.86	71	36.67	3127.77	977,398.780	− 305.04	
5341	13	40.86	72	58.82	2980.03	977,406.847	− 326.35	
5342	13	40.90	76	2.67	181.88	978,246.845	− 38.29	
5343	13	40.94	72	54.90	1975.78	977,588.794	− 343.48	
5344	13	40.95	73	5.15	3855.25	977,246.250	− 312.70	
5345	13	40.95	75	48.07	579.68	978,192.524	− 14.68	
5346	13	40.99	72	58.92	3019.93	977,399.218	− 326.13	
5347	13	41.01	72	54.91	1782.92	977,617.400	− 353.02	
5348	13	41.01	71	35.81	3238.82	977,383.208	− 298.64	
5349	13	41.02	76	9.39	56.30	978,265.798	− 44.00	Huamani-Pte.
5350	13	41.05	71	38.73	3157.48	977,385.353	− 312.69	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5351	13	41.05	73	4.29	3810.14	977,256.225	− 311.80	
5352	13	41.06	71	36.37	3185.47	977,391.326	− 301.17	
5353	13	41.10	71	37.40	3148.97	977,391.822	− 307.95	Urcos-Plaza
5354	13	41.11	76	1.82	200.32	978,243.492	− 38.18	
5355	13	41.23	71	38.36	3170.37	977,380.772	− 314.83	
5356	13	41.30	73	3.68	3790.24	977,256.859	− 315.31	
5357	13	41.32	71	36.35	3128.83	977,398.411	− 305.52	
5358	13	41.34	73	2.77	3739.90	977,267.114	− 315.13	
5359	13	41.34	73	10.11	3956.01	977,233.724	− 305.38	
5360	13	41.45	76	0.86	227.69	978,239.778	− 36.77	
5361	13	41.48	73	7.34	3755.37	977,263.551	− 315.70	
5362	13	41.51	73	6.20	3853.03	977,246.140	− 313.64	
5363	13	41.52	74	4.74	2588.03	977,447.577	− 363.88	
5364	13	41.52	75	48.64	552.20	978,202.376	− 10.61	
5365	13	41.59	72	58.52	3558.49	977,296.965	− 321.62	
5366	13	41.59	72	57.76	3157.24	977,370.831	− 327.64	
5367	13	41.64	73	1.37	3664.20	977,278.676	− 318.87	
5368	13	41.65	73	7.03	3816.12	977,253.022	− 314.23	
5369	13	41.67	72	57.05	3247.43	977,354.096	− 326.49	
5370	13	41.70	73	2.60	3722.57	977,269.714	− 316.23	
5371	13	41.82	72	57.18	3331.68	977,337.391	− 326.53	
5372	13	41.85	72	54.86	1788.12	977,607.442	− 362.53	Saguentuyo-Pte.
5373	13	41.87	72	59.32	3532.30	977,304.582	− 319.41	
5374	13	41.89	72	57.18	3390.53	977,325.937	− 326.32	
5375	13	41.93	75	49.23	517.71	978,211.860	− 8.18	
5376	13	41.94	73	2.18	3687.06	977,277.312	− 315.88	
5377	13	41.94	72	57.68	3457.20	977,312.920	− 326.09	
5378	13	41.97	71	35.95	3138.72	977,393.707	− 308.71	
5379	13	41.97	75	59.83	254.93	978,237.698	− 33.87	
5380	13	41.99	72	54.78	1782.92	977,617.305	− 353.79	Cosinchihua
5381	13	42.06	73	0.89	3630.40	977,282.444	− 322.13	
5382	13	42.16	73	10.16	3895.95	977,246.186	− 305.48	
5383	13	42.18	73	6.18	3867.97	977,243.465	− 313.80	
5384	13	42.24	72	59.94	3589.00	977,291.431	− 321.52	
5385	13	42.25	75	49.99	483.42	978,221.611	− 5.38	
5386	13	42.36	73	9.25	3785.78	977,265.684	− 308.11	
5387	13	42.37	73	9.61	3809.94	977,261.473	− 307.51	
5388	13	42.41	75	58.91	272.98	978,239.320	− 29.02	
5389	13	42.60	75	51.48	460.43	978,224.129	− 7.61	
5390	13	42.66	75	50.91	476.95	978,222.892	− 5.64	
5391	13	42.66	75	58.13	278.03	978,242.689	− 24.83	
5392	13	42.78	74	4.97	2704.10	977,422.293	− 367.01	
5393	13	42.88	73	10.14	3812.43	977,261.549	− 307.29	
5394	13	42.90	71	35.99	3136.85	977,392.613	− 310.82	Pampa-Chulla
5395	13	43.01	75	57.53	301.73	978,239.424	− 23.70	
5396	13	43.08	75	52.96	398.74	978,235.189	− 8.97	Humay
5397	13	43.09	71	35.87	3141.12	977,385.441	− 317.28	
5398	13	43.17	75	53.74	386.91	978,239.132	− 7.41	
5399	13	43.27	75	56.87	331.79	978,237.330	− 20.08	
5400	13	43.30	74	4.77	2809.45	977,405.811	− 362.95	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5401	13	43.39	72	55.35	1824.64	977,605.313	− 358.51	
5402	13	43.45	75	54.49	362.77	978,239.254	− 12.21	
5403	13	43.49	75	55.92	356.01	978,237.900	− 14.92	
5404	13	43.66	74	4.85	2938.36	977,382.004	− 361.41	
5405	13	43.74	75	55.47	335.23	978,245.387	− 11.67	
5406	13	44.27	71	35.52	3149.88	977,382.901	− 318.89	
5407	13	44.34	72	55.32	1863.13	977,596.979	− 359.90	
5408	13	44.46	76	13.14	5.35	978,292.115	− 30.03	Pisco-AP
5409	13	44.70	76	9.58	66.72	978,281.579	− 28.72	
5410	13	44.91	74	3.88	3091.99	977,353.061	− 360.68	Huancapi-plaza
5411	13	44.99	71	34.86	3161.86	977,380.357	− 319.55	
5412	13	45.01	72	55.39	1889.63	977,582.947	− 369.16	
5413	13	45.76	74	1.62	3677.34	977,243.907	− 353.87	
5414	13	45.76	71	34.43	3173.81	977,376.393	− 321.67	Ttio
5415	13	45.98	74	2.09	3671.77	977,246.332	− 352.71	
5416	13	46.01	74	1.48	3672.93	977,244.430	− 354.40	
5417	13	46.45	72	56.12	1927.20	977,585.281	− 360.40	Chontay
5418	13	46.51	76	10.02	71.94	978,280.028	− 30.51	
5419	13	46.57	71	34.15	3175.55	977,373.991	− 324.29	
5420	13	47.03	72	56.77	1933.76	977,580.599	− 364.19	Pte.
5421	13	47.31	71	33.33	3178.01	977,367.107	− 331.20	
5422	13	47.51	73	59.26	3184.03	977,344.981	− 352.26	Cayara
5423	13	47.63	76	9.39	80.10	978,275.755	− 33.97	
5424	13	47.86	72	57.55	1957.03	977,582.401	− 358.37	
5425	13	47.89	71	32.70	3193.71	977,365.835	− 329.75	
5426	13	48.38	71	32.66	3193.58	977,368.215	− 327.74	
5427	13	48.66	76	8.76	93.99	978,272.876	− 34.85	
5428	13	48.85	71	32.80	3202.45	977,364.633	− 329.88	
5429	13	48.93	72	57.59	1960.99	977,569.996	− 370.74	
5430	13	49.06	71	32.49	3209.70	977,364.303	− 328.92	Quiquijaha-Plaza
5431	13	49.69	73	56.95	3341.55	977,320.308	− 347.11	
5432	13	49.85	76	8.22	105.04	978,271.323	− 35.07	
5433	13	49.89	72	58.10	1968.53	977,569.726	− 370.18	
5434	13	50.13	73	58.87	3969.68	977,195.574	− 346.91	
5435	13	50.14	73	58.89	3812.69	977,228.537	− 345.29	
5436	13	50.30	71	32.18	3237.70	977,355.802	− 332.71	
5437	13	50.30	73	57.06	3377.97	977,313.612	− 346.99	
5438	13	50.37	73	58.20	3515.31	977,285.032	− 348.26	
5439	13	50.54	73	57.31	3404.75	977,310.129	− 345.30	Huaya-plaza
5440	13	50.76	73	59.31	4152.31	977,165.238	− 341.19	
5441	13	50.91	72	58.71	1995.78	977,577.882	− 357.36	Rio-Silcon-Pte.
5442	13	51.19	71	31.30	3245.96	977,352.206	− 335.29	
5443	13	51.36	73	59.41	4328.09	977,132.216	− 339.47	
5444	13	51.61	72	59.69	2000.62	977,578.446	− 356.32	
5445	13	51.77	73	1.36	2034.75	977,574.274	− 353.86	
5446	13	51.91	76	7.48	110.20	978,274.511	− 32.31	
5447	13	52.00	73	59.67	4343.78	977,130.453	− 338.54	
5448	13	52.17	71	30.54	3265.08	977,351.911	− 332.46	
5449	13	52.20	74	0.37	4215.65	977,156.319	− 338.45	
5450	13	52.25	73	1.60	2042.82	977,574.521	− 352.35	Casinchihua-Pte.

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5451	13	52.70	71	30.52	3279.83	977,348.830	− 332.98	
5452	13	52.74	73	1.77	2075.74	977,568.450	− 352.26	Reparticion-Pichiruhua
5453	13	52.86	76	6.50	127.82	978,271.803	− 32.23	
5454	13	53.22	74	0.56	4158.73	977,168.351	− 338.51	
5455	13	53.26	71	30.45	3288.62	977,348.721	− 331.73	Cusipata
5456	13	53.29	73	2.44	2067.88	977,566.143	− 356.50	
5457	13	53.81	76	4.24	184.75	978,263.035	− 30.52	
5458	13	53.87	74	0.67	4296.64	977,144.351	− 335.38	
5459	13	54.11	76	2.54	242.08	978,251.065	− 31.47	
5460	13	54.33	71	29.90	3299.15	977,346.498	− 332.61	
5461	13	54.35	73	3.00	2080.60	977,555.396	− 365.48	
5462	13	54.42	76	0.82	280.43	978,243.150	− 32.09	
5463	13	54.44	74	0.71	4427.10	977,116.286	− 337.74	
5464	13	54.76	71	29.99	3303.50	977,338.191	− 340.35	
5465	13	55.13	73	3.79	2093.06	977,546.877	− 372.08	
5466	13	55.17	75	59.58	301.38	978,245.521	− 26.15	
5467	13	55.21	74	0.99	4459.84	977,110.696	− 337.32	
5468	13	55.29	71	30.21	3330.37	977,334.439	− 339.13	
5469	13	55.39	73	4.02	2111.11	977,548.662	− 366.91	
5470	13	55.51	75	58.01	321.99	978,244.378	− 23.49	
5471	13	55.60	75	56.51	334.49	978,239.907	− 25.57	
5472	13	55.68	75	54.77	352.67	978,223.775	− 38.20	
5473	13	55.74	74	1.09	4390.43	977,125.324	− 336.96	
5474	13	55.76	73	4.81	2123.01	977,550.309	− 363.17	Moraschayo
5475	13	55.80	73	5.02	2128.26	977,543.363	− 369.10	
5476	13	55.80	75	53.07	372.84	978,218.861	− 39.24	
5477	13	55.84	75	51.52	391.39	978,216.148	− 38.35	
5478	13	55.99	75	49.80	413.73	978,216.252	− 33.97	
5479	13	56.18	73	6.11	2142.58	977,546.906	− 362.99	Antarume-Pte.
5480	13	56.32	74	0.95	4460.05	977,108.804	− 339.95	
5481	13	56.38	73	7.69	2179.23	977,539.699	− 363.09	
5482	13	56.47	75	48.19	433.12	978,214.180	− 32.58	
5483	13	56.57	73	6.63	2160.09	977,545.438	− 361.27	
5484	13	56.72	73	8.31	2204.65	977,531.446	− 366.55	
5485	13	56.89	71	29.89	3371.82	977,324.546	− 341.89	
5486	13	56.93	74	0.86	4374.89	977,128.796	− 337.44	
5487	13	57.16	73	8.95	2210.98	977,534.342	− 362.71	
5488	13	57.38	74	0.58	4325.60	977,138.269	− 338.14	
5489	13	57.56	74	1.35	4317.48	977,137.986	− 340.17	
5490	13	57.82	73	9.08	2221.58	977,530.688	− 364.73	
5491	13	57.96	71	29.52	3378.82	977,323.830	− 341.97	
5492	13	58.24	74	2.06	4371.40	977,127.079	− 340.77	
5493	13	58.60	71	29.21	3373.70	977,326.839	− 340.43	
5494	13	58.83	75	46.20	424.64	978,218.341	− 31.74	
5495	13	58.94	73	9.58	2243.52	977,517.534	− 374.33	
5496	13	59.12	74	2.72	4433.16	977,112.558	− 343.55	
5497	13	59.18	73	10.44	2254.08	977,513.821	− 376.12	Rio-Santa-Rosa-Pte.
5498	13	59.37	71	28.50	3401.88	977,326.262	− 335.94	
5499	13	59.46	71	27.59	3394.57	977,331.208	− 332.51	Llocllora
5500	13	59.91	74	2.81	4354.82	977,126.266	− 346.08	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5501	14	0.04	74	4.10	4396.22	977,117.930	− 346.22	
5502	14	0.07	74	3.12	4348.58	977,130.593	− 343.12	Challuamayo
5503	14	0.27	73	10.82	2272.07	977,508.680	− 378.47	
5504	14	0.33	74	4.74	4419.14	977,106.247	− 353.52	
5505	14	0.38	71	27.40	3419.17	977,325.484	− 333.98	
5506	14	0.42	74	5.43	4377.22	977,111.708	− 356.52	
5507	14	0.53	73	11.31	2287.39	977,492.403	− 391.90	
5508	14	1.14	74	6.92	4491.09	977,089.218	− 356.72	
5509	14	1.16	73	12.60	2304.05	977,488.367	− 393.08	
5510	14	1.25	74	6.10	4462.44	977,095.710	− 356.04	
5511	14	1.31	71	27.06	3435.39	977,324.051	− 332.84	
5512	14	1.37	74	7.88	4347.15	977,119.127	− 355.78	
5513	14	1.56	75	45.37	414.89	978,220.892	− 33.03	
5514	14	1.89	73	13.17	2326.25	977,495.474	− 382.10	
5515	14	1.98	71	26.99	3423.92	977,322.115	− 337.53	
5516	14	2.20	73	13.82	2342.50	977,484.907	− 389.67	
5517	14	2.28	74	8.24	4384.34	977,108.433	− 359.67	
5518	14	2.80	75	44.70	409.37	978,221.230	− 34.65	
5519	14	2.91	73	14.14	2371.50	977,477.333	− 392.00	tunnel
5520	14	3.03	71	26.76	3434.86	977,318.185	− 340.03	
5521	14	3.28	74	8.96	4345.95	977,117.890	− 358.61	
5522	14	3.61	75	43.61	405.70	978,223.081	− 34.09	Ica-Plaza
5523	14	3.64	71	26.54	3440.84	977,316.685	− 340.77	
5524	14	3.83	70	25.76	4315.00	977,151.929	− 331.15	Macusani
5525	14	4.00	70	25.35	4346.08	977,144.192	− 332.79	
5526	14	4.04	75	43.39	402.88	978,223.577	− 34.45	Luren
5527	14	4.08	73	15.18	2411.42	977,476.560	− 385.69	
5528	14	4.21	70	25.62	4317.14	977,151.130	− 331.79	
5529	14	4.39	74	9.58	4333.26	977,116.107	− 363.72	
5530	14	4.41	70	24.28	4352.00	977,146.497	− 329.60	
5531	14	4.43	71	26.21	3439.39	977,318.203	− 340.10	
5532	14	4.52	70	25.90	4357.20	977,142.861	− 332.27	
5533	14	4.61	73	16.04	2444.83	977,472.348	− 383.66	Peisti
5534	14	5.03	70	23.58	4373.98	977,141.103	− 331.03	
5535	14	5.12	70	26.10	4401.75	977,131.740	− 334.90	
5536	14	5.31	74	10.37	4337.28	977,111.548	− 368.13	
5537	14	5.63	70	22.70	4407.95	977,135.207	− 330.55	
5538	14	5.63	71	26.15	3447.88	977,315.634	− 341.83	Combapata
5539	14	5.73	73	16.79	2514.22	977,462.633	− 380.42	
5540	14	5.86	73	16.84	2472.60	977,464.860	− 386.53	
5541	14	5.88	71	25.61	3474.55	977,312.291	− 340.04	
5542	14	5.92	74	10.98	4299.68	977,111.393	− 376.24	
5543	14	6.13	70	26.36	4437.18	977,122.422	− 337.84	
5544	14	6.15	70	21.69	4465.36	977,122.688	− 331.94	
5545	14	6.30	75	42.97	400.89	978,224.485	− 35.54	
5546	14	6.47	74	11.60	4143.63	977,140.040	− 379.19	
5547	14	6.56	71	24.96	3467.94	977,313.175	− 340.95	
5548	14	6.77	70	21.35	4548.06	977,104.723	− 333.79	
5549	14	6.78	74	11.79	4086.14	977,152.441	− 378.50	Putaccasa
5550	14	6.99	70	26.60	4455.97	977,116.870	− 340.24	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5551	14	7.43	73	17.77	2565.12	977,456.338	− 377.83	
5552	14	7.54	71	24.48	3474.94	977,310.721	− 342.71	Uchu-Pampa
5553	14	7.60	70	20.85	4579.07	977,096.187	− 336.70	
5554	14	8.03	73	17.99	2596.18	977,449.802	− 378.64	Chaca-Pte.
5555	14	8.10	70	26.76	4487.23	977,107.005	− 344.63	
5556	14	8.34	71	24.03	3464.25	977,310.435	− 345.69	
5557	14	8.59	70	20.46	4637.12	977,080.345	− 341.61	
5558	14	9.03	70	27.14	4531.25	977,094.113	− 349.37	
5559	14	9.06	71	23.28	3466.10	977,307.163	− 349.11	
5560	14	9.34	73	19.12	2622.97	977,445.932	− 378.13	
5561	14	9.47	69	18.42	1453.77	977,908.810	− 146.51	
5562	14	9.50	69	18.79	1463.67	977,907.279	− 146.11	
5563	14	9.53	69	24.09	1632.91	977,852.499	− 167.54	
5564	14	9.56	70	20.24	4711.94	977,065.080	− 342.57	
5565	14	9.65	69	21.68	1548.37	977,879.802	− 157.00	
5566	14	9.87	69	19.52	1460.65	977,903.599	− 150.65	
5567	14	9.92	71	22.78	3482.31	977,301.681	− 351.98	
5568	14	9.93	70	27.52	4557.95	977,085.525	− 353.25	
5569	14	10.06	70	19.92	4810.30	977,046.686	− 341.60	
5570	14	10.09	69	21.00	1504.32	977,885.932	− 159.87	
5571	14	10.23	73	19.39	2654.17	977,438.286	− 380.22	
5572	14	10.37	70	19.02	4759.87	977,056.114	− 342.50	
5573	14	10.42	70	19.71	4873.08	977,033.183	− 342.76	Abra
5574	14	10.54	70	18.33	4662.47	977,074.257	− 344.01	
5575	14	10.56	70	28.24	4593.99	977,074.644	− 357.36	
5576	14	10.78	71	21.89	3474.01	977,301.668	− 354.25	
5577	14	10.78	69	24.84	1636.46	977,844.229	− 176.00	
5578	14	10.83	71	20.77	3484.47	977,301.066	− 352.81	
5579	14	10.87	70	17.37	4575.60	977,092.527	− 343.39	
5580	14	10.92	71	20.58	3483.96	977,301.563	− 352.48	San-Pedro-Plaza
5581	14	10.97	69	18.24	1626.71	977,887.881	− 134.41	
5582	14	11.05	71	20.32	3478.32	977,300.104	− 355.15	
5583	14	11.13	75	42.76	384.96	978,222.595	− 43.99	
5584	14	11.29	74	12.23	4079.05	977,155.043	− 380.53	
5585	14	11.44	73	19.07	2682.61	977,432.470	− 381.26	
5586	14	11.45	70	16.89	4492.15	977,108.452	− 344.59	
5587	14	11.53	69	16.74	1725.96	977,864.621	− 138.48	
5588	14	11.54	71	19.42	3480.13	977,299.644	− 355.61	
5589	14	11.80	69	25.21	1692.26	977,821.743	− 188.20	
5590	14	11.81	70	28.73	4643.30	977,061.755	− 361.27	
5591	14	11.82	69	15.96	1797.10	977,853.263	− 136.00	
5592	14	12.06	70	16.11	4393.34	977,132.270	− 340.99	
5593	14	12.06	73	19.61	2706.02	977,428.692	− 380.83	Pacaica
5594	14	12.13	71	19.01	3481.35	977,298.907	− 356.52	
5595	14	12.17	69	15.18	1892.53	977,838.224	− 132.44	
5596	14	12.34	74	12.23	4101.88	977,166.889	− 364.87	
5597	14	12.37	75	42.68	372.14	978,217.748	− 52.24	
5598	14	12.41	69	14.40	1964.38	977,824.551	− 132.09	
5599	14	12.54	73	18.91	2717.28	977,428.306	− 379.32	Pte.
5600	14	12.54	70	28.64	4710.07	977,050.173	− 359.99	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5601	14	12.60	69	10.00	1319.96	977,949.256	− 134.67	
5602	14	12.67	71	18.22	3485.17	977,298.147	− 356.90	
5603	14	12.76	69	25.38	1757.13	977,794.105	− 203.72	
5604	14	12.78	70	15.26	4304.46	977,153.851	− 337.71	
5605	14	12.87	70	28.66	4763.06	977,039.734	− 360.03	
5606	14	12.92	71	17.78	3490.37	977,298.708	− 355.49	Soltera
5607	14	13.15	69	14.52	2043.47	977,813.286	− 128.25	
5608	14	13.28	73	19.25	2739.63	977,420.365	− 383.36	
5609	14	13.32	69	25.46	1808.47	977,781.912	− 206.18	
5610	14	13.34	69	10.38	1318.69	977,949.098	− 135.60	
5611	14	13.46	74	13.01	4151.97	977,156.841	− 365.71	
5612	14	13.64	70	28.45	4713.68	977,048.128	− 362.09	
5613	14	13.65	70	14.54	4241.11	977,168.843	− 336.01	
5614	14	13.70	75	41.82	366.97	978,218.341	− 53.61	
5615	14	13.81	71	16.41	3499.51	977,295.095	− 357.91	
5616	14	13.86	69	25.29	1844.18	977,773.296	− 208.13	
5617	14	13.93	69	14.31	2097.54	977,803.986	− 127.41	
5618	14	14.09	69	10.67	1248.49	977,957.017	− 142.05	
5619	14	14.16	73	18.66	2763.35	977,421.166	− 378.48	
5620	14	14.27	69	13.85	2023.45	977,816.232	− 130.06	
5621	14	14.28	74	13.41	4162.86	977,157.231	− 363.72	
5622	14	14.44	69	25.32	1944.80	977,737.158	− 224.81	
5623	14	14.46	71	15.46	3514.90	977,296.490	− 353.92	
5624	14	14.59	70	27.91	4651.92	977,065.569	− 357.71	
5625	14	14.65	69	13.52	1928.51	977,833.405	− 131.93	
5626	14	14.72	71	14.02	3585.95	977,291.044	− 345.40	
5627	14	14.89	69	10.80	1299.94	977,948.275	− 141.23	
5628	14	14.91	74	14.02	4189.92	977,154.103	− 361.90	Turpococha-Lag.
5629	14	14.93	70	14.67	4197.71	977,176.201	− 338.25	
5630	14	14.95	69	25.52	2032.74	977,713.257	− 231.69	
5631	14	14.96	73	18.05	2791.83	977,415.784	− 378.79	
5632	14	15.21	71	13.58	3531.29	977,289.036	− 358.64	
5633	14	15.42	69	25.92	2131.42	977,690.824	− 234.94	
5634	14	15.52	70	27.52	4579.59	977,084.021	− 354.42	
5635	14	15.61	69	13.11	1718.41	977,875.134	− 132.38	
5636	14	15.72	71	13.48	3538.43	977,286.744	− 359.88	
5637	14	15.84	69	11.96	1547.04	977,905.248	− 136.24	
5638	14	15.94	73	17.26	2816.54	977,410.418	− 379.95	
5639	14	15.94	70	14.52	4170.85	977,182.553	− 337.99	
5640	14	16.01	69	26.45	2178.04	977,676.709	− 240.26	Sandia
5641	14	16.11	71	13.63	3548.07	977,286.675	− 358.31	Sicuani-Plaza
5642	14	16.18	71	13.66	3543.73	977,286.933	− 358.97	
5643	14	16.22	74	15.27	4247.42	977,143.598	− 361.84	
5644	14	16.25	70	27.53	4524.48	977,097.492	− 352.51	
5645	14	16.34	69	11.71	1419.96	977,926.995	− 139.91	
5646	14	16.37	70	28.02	4462.09	977,107.716	− 354.87	
5647	14	16.64	73	16.05	2852.38	977,408.578	− 375.17	
5648	14	16.89	71	13.38	3555.53	977,283.777	− 360.28	
5649	14	16.91	70	14.22	4147.98	977,188.433	− 337.39	
5650	14	17.06	73	15.40	2866.27	977,407.519	− 373.78	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5651	14	17.15	70	28.53	4405.45	977,117.147	− 357.34	
5652	14	17.22	69	27.10	2268.98	977,632.148	− 267.69	
5653	14	17.32	73	14.94	2888.15	977,400.872	− 376.27	Chalhuanca-Plaza
5654	14	17.41	71	13.10	3564.82	977,281.419	− 361.17	
5655	14	17.50	70	29.31	4372.45	977,121.423	− 359.92	
5656	14	17.53	74	15.38	4312.49	977,125.910	− 367.45	
5657	14	17.57	73	14.42	2895.41	977,400.759	− 375.12	
5658	14	17.89	74	16.93	4243.24	977,139.217	− 368.25	
5659	14	17.90	70	29.89	4329.22	977,127.814	− 362.46	
5660	14	17.90	73	13.54	2928.21	977,389.920	− 379.68	
5661	14	17.98	70	14.04	4120.92	977,193.721	− 338.27	
5662	14	18.18	74	15.95	4250.52	977,137.158	− 369.07	
5663	14	18.29	74	17.62	4261.44	977,138.387	− 365.74	
5664	14	18.30	71	14.00	3584.60	977,276.169	− 363.11	
5665	14	18.32	73	12.66	2948.97	977,383.725	− 382.05	
5666	14	18.34	75	40.52	336.18	978,236.327	− 44.99	
5667	14	18.36	71	12.19	3585.66	977,275.798	− 363.31	
5668	14	18.44	70	30.41	4294.85	977,133.077	− 364.47	
5669	14	18.44	69	27.94	2437.17	977,614.975	− 252.43	
5670	14	18.56	70	10.89	4090.16	977,206.361	− 332.20	
5671	14	18.64	71	14.71	3588.20	977,277.183	− 361.62	
5672	14	18.71	70	10.07	4084.25	977,206.097	− 333.75	
5673	14	18.76	73	11.77	2982.99	977,374.384	− 384.95	
5674	14	18.79	70	14.12	4098.81	977,198.355	− 338.64	
5675	14	18.82	71	12.03	3605.45	977,271.173	− 364.32	
5676	14	19.02	71	15.17	3615.00	977,271.353	− 362.38	
5677	14	19.11	74	18.38	4282.65	977,134.925	− 365.55	
5678	14	19.19	69	28.33	2584.55	977,592.867	− 245.87	
5679	14	19.25	70	9.30	4085.46	977,207.275	− 332.73	
5680	14	19.27	73	11.07	3024.87	977,359.763	− 391.62	
5681	14	19.29	70	12.61	4078.20	977,205.993	− 335.48	
5682	14	19.36	70	31.06	4269.87	977,135.807	− 367.40	
5683	14	19.43	74	19.19	4275.12	977,142.385	− 359.82	
5684	14	19.62	71	11.58	3623.55	977,266.801	− 365.66	Chacutuyo
5685	14	19.64	75	39.89	336.31	978,249.468	− 32.76	
5686	14	19.69	70	13.59	4074.89	977,205.595	− 336.83	
5687	14	19.70	71	16.04	3643.10	977,262.839	− 365.78	
5688	14	19.78	70	14.22	4081.90	977,202.138	− 338.95	
5689	14	19.84	74	19.65	4281.48	977,148.614	− 352.62	
5690	14	19.84	70	8.25	4089.44	977,205.537	− 334.09	
5691	14	19.90	74	20.49	4278.38	977,149.285	− 352.61	
5692	14	19.94	70	15.03	4070.17	977,201.224	− 342.33	
5693	14	19.98	70	14.40	4075.24	977,202.011	− 340.56	Rosario
5694	14	20.05	70	31.62	4243.87	977,140.215	− 368.69	
5695	14	20.20	70	7.48	4092.98	977,204.286	− 334.90	
5696	14	20.24	73	9.79	3067.39	977,349.157	− 394.47	Caraybamba
5697	14	20.31	75	39.14	327.00	978,255.412	− 29.12	
5698	14	20.31	71	16.94	3716.70	977,246.912	− 367.48	
5699	14	20.37	71	22.12	4201.20	977,160.161	− 357.50	
5700	14	20.38	74	21.01	4289.69	977,154.839	− 345.14	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5701	14	20.47	71	10.73	3653.67	977,259.565	− 367.51	
5702	14	20.52	70	15.80	4061.86	977,199.751	− 345.88	
5703	14	20.56	70	6.35	4097.55	977,202.505	− 336.02	
5704	14	20.67	71	17.48	3770.40	977,235.111	− 368.82	
5705	14	20.69	71	22.56	4271.80	977,144.851	− 358.93	
5706	14	20.78	73	9.70	3092.61	977,343.898	− 395.11	
5707	14	20.82	70	5.21	4107.78	977,199.525	− 337.14	
5708	14	20.82	74	21.63	4290.31	977,162.307	− 337.87	
5709	14	20.96	71	21.62	4129.30	977,175.354	− 357.11	
5710	14	21.07	70	4.21	4113.35	977,199.937	− 335.80	
5711	14	21.16	70	3.49	4119.56	977,198.628	− 335.94	
5712	14	21.20	71	20.76	4064.00	977,188.271	− 357.42	
5713	14	21.21	71	9.96	3695.14	977,250.039	− 369.29	
5714	14	21.28	70	2.31	4124.65	977,198.983	− 334.64	
5715	14	21.31	71	17.98	3854.80	977,220.907	− 366.65	
5716	14	21.45	70	1.31	4123.61	977,199.856	− 334.11	Crucero
5717	14	21.46	69	29.27	2884.50	977,529.645	− 251.20	
5718	14	21.49	71	20.16	4010.00	977,198.153	− 358.54	
5719	14	21.57	71	19.07	3932.00	977,209.286	− 363.04	
5720	14	21.58	70	16.24	4054.72	977,199.265	− 348.55	
5721	14	21.62	71	9.40	3704.78	977,243.504	− 374.20	
5722	14	21.64	69	58.72	4147.38	977,198.786	− 330.56	
5723	14	21.66	70	0.60	4134.41	977,199.303	− 332.65	
5724	14	21.69	70	32.70	4154.99	977,156.267	− 371.59	
5725	14	21.71	74	22.25	4274.75	977,172.667	− 331.26	
5726	14	21.72	71	22.10	4319.80	977,134.882	− 360.04	
5727	14	21.72	69	59.84	4138.02	977,198.403	− 332.87	
5728	14	21.80	75	37.55	328.97	978,257.962	− 27.26	
5729	14	21.82	73	10.06	3112.66	977,347.024	− 388.74	Aparaya
5730	14	21.87	69	57.85	4157.05	977,197.901	− 329.68	
5731	14	22.20	69	57.12	4170.79	977,197.055	− 328.01	
5732	14	22.26	69	29.10	2970.48	977,508.669	− 255.68	
5733	14	22.46	71	21.62	4340.10	977,130.224	− 361.17	
5734	14	22.48	70	33.48	4134.47	977,160.312	− 372.22	
5735	14	22.50	71	8.51	3736.33	977,237.944	− 374.11	Chosicani
5736	14	22.64	70	16.06	4046.82	977,197.442	− 352.72	
5737	14	22.74	74	23.16	4253.48	977,183.779	− 325.14	
5738	14	22.82	69	56.52	4164.53	977,198.729	− 328.04	
5739	14	22.97	73	10.75	3148.52	977,338.357	− 391.11	
5740	14	23.09	69	29.14	3045.97	977,489.843	− 260.10	
5741	14	23.26	71	21.45	4358.70	977,125.988	− 362.26	
5742	14	23.27	70	34.30	4112.32	977,167.819	− 369.71	
5743	14	23.37	75	35.23	449.22	978,230.989	− 31.80	
5744	14	23.44	69	55.95	4171.81	977,198.276	− 327.48	
5745	14	23.49	71	20.81	4352.80	977,128.594	− 361.00	
5746	14	23.64	74	23.66	4274.65	977,181.325	− 324.01	
5747	14	23.64	70	16.30	4049.69	977,190.608	− 359.71	
5748	14	23.77	71	7.79	3769.41	977,231.239	− 375.13	
5749	14	23.91	69	29.43	3135.16	977,469.386	− 263.42	
5750	14	23.92	69	54.98	4183.72	977,195.854	− 327.88	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5751	14	24.08	73	11.51	3213.86	977,326.650	− 390.62	
5752	14	24.15	71	20.50	4311.50	977,136.823	− 361.52	
5753	14	24.22	70	33.89	4096.98	977,171.487	− 369.80	
5754	14	24.30	71	7.34	3826.47	977,222.408	− 372.96	
5755	14	24.31	70	16.16	4041.39	977,190.224	− 362.23	
5756	14	24.35	74	24.06	4303.97	977,176.532	− 323.45	Pedrugal
5757	14	24.38	69	54.08	4187.50	977,190.897	− 332.41	
5758	14	24.59	69	29.90	3062.92	977,462.201	− 285.46	
5759	14	24.64	71	6.90	3846.34	977,218.802	− 372.84	
5760	14	24.64	75	32.54	441.68	978,224.907	− 40.27	
5761	14	24.64	69	52.22	4300.50	977,172.011	− 328.88	
5762	14	24.67	69	53.21	4241.94	977,180.564	− 332.06	
5763	14	24.71	73	12.07	3240.17	977,321.292	− 391.21	Cotaruse
5764	14	24.96	74	25.09	4203.88	977,203.468	− 316.99	
5765	14	24.99	70	15.62	4033.72	977,192.548	− 361.93	
5766	14	24.99	69	51.12	4342.40	977,166.720	− 326.04	
5767	14	25.04	71	20.38	4264.70	977,145.494	− 362.85	
5768	14	25.06	69	48.95	4367.14	977,172.323	− 315.54	
5769	14	25.06	70	33.74	4078.90	977,176.532	− 368.98	
5770	14	25.14	69	47.93	4370.44	977,174.863	− 312.39	
5771	14	25.19	71	6.39	3888.40	977,209.058	− 374.59	Ocobamba
5772	14	25.31	69	50.04	4356.38	977,168.470	− 321.73	
5773	14	25.31	75	31.01	438.53	978,227.285	− 39.00	
5774	14	25.36	69	29.99	3181.88	977,451.375	− 273.19	
5775	14	25.42	73	12.65	3276.91	977,309.362	− 396.34	
5776	14	25.50	69	47.05	4325.81	977,191.747	− 304.71	
5777	14	25.64	69	31.03	3261.10	977,421.913	− 287.09	
5778	14	25.66	74	25.77	4153.22	977,225.544	− 305.54	
5779	14	25.71	70	15.31	4028.85	977,192.657	− 363.32	
5780	14	25.79	74	25.90	4237.75	977,219.900	− 294.38	
5781	14	25.84	69	35.62	3848.67	977,305.949	− 286.10	
5782	14	25.84	70	33.87	4064.08	977,182.280	− 366.76	
5783	14	25.91	75	29.54	439.01	978,223.626	− 43.00	
5784	14	25.95	69	46.34	4326.62	977,193.302	− 303.31	
5785	14	26.04	69	36.17	3932.06	977,290.253	− 285.30	
5786	14	26.14	71	19.81	4281.20	977,142.623	− 363.22	
5787	14	26.26	71	5.29	3994.85	977,182.523	− 380.65	Rio-Canta
5788	14	26.33	69	32.53	3739.04	977,335.159	− 279.13	
5789	14	26.38	69	34.71	3798.12	977,314.475	− 288.06	
5790	14	26.39	74	26.56	4246.91	977,228.497	− 284.38	
5791	14	26.47	71	19.92	4233.40	977,154.444	− 361.20	
5792	14	26.49	69	37.04	4038.37	977,265.636	− 289.01	
5793	14	26.51	70	15.49	4032.35	977,189.513	− 366.34	
5794	14	26.54	73	13.27	3356.54	977,287.009	− 403.65	
5795	14	26.60	75	28.04	434.39	978,227.787	− 40.25	
5796	14	26.67	70	33.99	4034.93	977,191.543	− 363.92	
5797	14	26.76	69	32.32	3662.85	977,340.974	− 288.81	
5798	14	26.87	71	4.35	4051.16	977,164.851	− 387.51	
5799	14	26.90	69	45.94	4314.92	977,192.334	− 307.31	
5800	14	27.06	75	26.39	434.06	978,230.397	− 38.03	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5801	14	27.09	69	37.57	4111.04	977,249.328	− 291.23	
5802	14	27.14	69	31.99	3385.91	977,386.434	− 298.82	
5803	14	27.23	70	15.63	4027.65	977,189.779	− 367.54	
5804	14	27.33	74	27.09	4224.84	977,242.995	− 274.98	
5805	14	27.38	71	19.47	4227.70	977,154.871	− 362.57	
5806	14	27.42	75	24.86	439.92	978,229.143	− 38.41	
5807	14	27.45	70	34.31	4020.77	977,192.718	− 366.14	
5808	14	27.46	71	3.79	4070.53	977,155.111	− 393.81	
5809	14	27.59	69	32.25	3573.53	977,352.086	− 296.12	
5810	14	27.63	69	32.13	3472.93	977,367.371	− 300.91	
5811	14	27.69	69	38.07	4377.98	977,197.923	− 289.68	
5812	14	27.70	73	14.23	3416.05	977,280.649	− 399.01	
5813	14	27.86	75	23.18	467.59	978,224.009	− 38.43	
5814	14	27.89	69	38.54	4476.32	977,182.762	− 285.30	
5815	14	27.92	71	2.52	4134.00	977,138.706	− 397.86	
5816	14	27.99	69	32.10	3401.70	977,373.069	− 309.66	Cuyocuyo
5817	14	28.01	69	45.47	4331.05	977,185.688	− 311.54	
5818	14	28.05	70	15.02	4015.29	977,193.542	− 366.84	
5819	14	28.11	71	18.87	4225.50	977,155.470	− 362.94	
5820	14	28.14	70	34.89	4097.25	977,178.214	− 365.86	
5821	14	28.20	70	35.72	4120.07	977,174.732	− 364.83	
5822	14	28.28	75	21.59	494.55	978,223.082	− 34.38	
5823	14	28.33	69	39.22	4425.65	977,186.782	− 291.74	
5824	14	28.36	70	37.46	4006.00	977,196.282	− 366.19	
5825	14	28.41	70	38.07	4016.14	977,192.974	− 367.50	
5826	14	28.42	71	0.78	4252.62	977,113.508	− 399.71	Atin-Huiscachane
5827	14	28.42	71	1.26	4199.92	977,126.258	− 397.50	
5828	14	28.45	69	44.54	4346.90	977,182.285	− 312.09	
5829	14	28.47	70	36.23	4043.29	977,190.329	− 364.77	
5830	14	28.52	74	27.16	4236.38	977,246.206	− 270.33	
5831	14	28.56	70	34.31	4024.94	977,194.029	− 364.80	
5832	14	28.56	70	35.28	4158.42	977,165.873	− 366.28	
5833	14	28.67	70	59.79	4296.63	977,103.552	− 401.04	
5834	14	28.70	75	20.00	513.09	978,218.895	− 35.23	
5835	14	28.72	71	18.82	4215.30	977,155.962	− 364.93	
5836	14	28.80	70	59.20	4328.55	977,098.225	− 400.07	
5837	14	28.84	70	15.39	4018.51	977,193.180	− 367.14	
5838	14	28.93	69	39.86	4398.05	977,189.792	− 294.69	
5839	14	29.06	69	43.82	4357.44	977,180.954	− 311.76	
5840	14	29.12	75	18.37	539.97	978,216.201	− 32.96	
5841	14	29.19	70	58.33	4290.97	977,105.186	− 400.92	
5842	14	29.32	70	37.38	3997.65	977,197.817	− 367.01	
5843	14	29.42	73	15.09	3496.94	977,269.627	− 395.17	
5844	14	29.48	70	57.15	4216.06	977,127.265	− 394.03	
5845	14	29.58	70	56.33	4173.23	977,139.808	− 390.13	Machu-Huasi
5846	14	29.59	73	15.54	3702.47	977,232.929	− 391.02	Uscurumi
5847	14	29.70	69	40.33	4397.11	977,187.916	− 297.32	
5848	14	29.70	70	15.32	4002.69	977,194.421	− 369.68	
5849	14	29.70	74	26.65	4175.92	977,265.169	− 264.32	
5850	14	29.74	73	15.40	3608.59	977,251.549	− 391.23	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5851	14	29.93	73	15.80	4004.50	977,174.460	− 389.45	
5852	14	29.96	71	18.85	4149.10	977,159.112	− 375.92	
5853	14	30.00	69	43.53	4337.16	977,182.672	− 314.78	
5854	14	30.07	75	15.24	550.51	978,215.909	− 31.88	
5855	14	30.16	73	15.80	3892.08	977,197.394	− 389.13	
5856	14	30.21	70	55.36	4136.24	977,153.604	− 384.19	
5857	14	30.23	69	42.86	4344.75	977,182.873	− 313.23	
5858	14	30.35	70	37.35	3976.14	977,203.007	− 366.88	
5859	14	30.44	73	16.01	4155.74	977,144.068	− 389.99	
5860	14	30.46	69	41.12	4380.00	977,180.396	− 308.82	
5861	14	30.49	69	41.92	4364.74	977,183.469	− 308.82	
5862	14	30.57	69	41.15	4371.36	977,180.678	− 310.34	Pacharia
5863	14	30.72	74	26.31	4175.50	977,267.404	− 262.91	
5864	14	30.81	73	15.77	3842.73	977,208.100	− 388.75	
5865	14	30.83	70	54.60	4103.93	977,163.329	− 381.37	
5866	14	30.84	69	40.64	4378.53	977,182.668	− 307.11	
5867	14	30.92	71	18.56	4072.50	977,173.200	− 377.85	
5868	14	30.97	75	11.93	353.78	978,245.100	− 41.92	Rio-grande
5869	14	31.03	70	16.10	3999.98	977,198.528	− 367.08	
5870	14	31.25	73	16.90	4172.28	977,146.127	− 385.21	
5871	14	31.27	69	40.10	4372.91	977,182.121	− 309.10	
5872	14	31.41	71	18.14	3940.40	977,200.076	− 377.72	
5873	14	31.47	70	53.54	4062.92	977,175.139	− 378.22	
5874	14	31.63	70	37.07	3958.27	977,209.250	− 365.13	
5875	14	31.69	71	18.86	3999.40	977,187.836	− 378.38	
5876	14	31.70	70	16.97	3983.35	977,203.281	− 366.14	
5877	14	31.75	75	11.25	347.06	978,247.312	− 41.59	
5878	14	31.86	74	25.56	4174.97	977,268.904	− 262.35	
5879	14	31.92	73	17.84	4106.31	977,157.514	− 387.50	
5880	14	32.16	73	20.28	4150.31	977,144.182	− 392.21	
5881	14	32.21	70	52.75	4047.38	977,182.086	− 374.92	
5882	14	32.24	69	39.46	4385.21	977,173.101	− 316.37	
5883	14	32.32	73	18.87	4124.61	977,149.181	− 392.47	
5884	14	32.39	71	17.92	3936.80	977,199.930	− 379.30	
5885	14	32.51	70	37.65	3954.32	977,212.978	− 362.84	
5886	14	32.57	73	30.54	4520.44	977,065.276	− 397.36	
5887	14	32.66	75	11.22	337.29	978,251.080	− 40.40	
5888	14	32.73	73	22.33	4130.39	977,149.465	− 391.33	
5889	14	32.75	73	21.33	4205.74	977,133.979	− 391.77	
5890	14	32.78	70	52.67	4021.38	977,190.002	− 372.61	Queque-Norte
5891	14	32.79	73	22.72	4158.45	977,142.267	− 392.97	
5892	14	32.81	71	17.24	3959.30	977,196.661	− 378.38	
5893	14	32.91	73	32.71	4319.87	977,107.381	− 395.65	
5894	14	32.96	73	31.89	4440.36	977,086.536	− 392.42	
5895	14	33.01	73	29.04	4421.18	977,082.128	− 400.70	
5896	14	33.08	70	17.71	3969.33	977,211.621	− 361.61	
5897	14	33.37	73	27.60	4342.04	977,097.189	− 401.75	Pampahuasi
5898	14	33.42	70	38.03	3953.64	977,214.705	− 361.91	
5899	14	33.48	73	23.50	4122.32	977,142.851	− 400.11	
5900	14	33.57	74	24.64	4154.33	977,278.160	− 258.47	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5901	14	33.71	69	38.17	4419.97	977,163.903	− 319.68	
5902	14	33.81	73	33.12	4231.99	977,122.829	− 398.45	
5903	14	33.83	73	25.36	4241.54	977,120.980	− 398.40	
5904	14	33.90	73	33.65	4184.08	977,134.675	− 396.24	
5905	14	33.91	73	26.25	4274.07	977,112.573	− 400.35	
5906	14	33.94	70	52.30	4004.84	977,196.621	− 370.15	Kunoruna
5907	14	33.97	70	17.67	3961.67	977,215.939	− 359.48	
5908	14	34.09	70	38.29	3967.08	977,212.967	− 361.45	
5909	14	34.10	73	24.01	4194.75	977,128.831	− 400.10	
5910	14	34.14	71	17.36	3885.60	977,189.891	− 400.84	
5911	14	34.33	74	24.45	4136.82	977,287.221	− 253.46	
5912	14	34.62	70	19.65	3945.28	977,225.141	− 354.02	
5913	14	34.62	69	37.54	4432.15	977,160.721	− 321.09	
5914	14	34.65	70	17.97	3954.73	977,217.982	− 359.31	
5915	14	34.77	73	34.00	4244.42	977,120.504	− 398.98	
5916	14	34.84	70	18.70	3947.50	977,223.653	− 355.23	
5917	14	34.86	75	12.10	330.26	978,259.458	− 35.01	
5918	14	34.88	73	34.85	4341.94	977,102.082	− 397.98	
5919	14	35.06	70	51.67	3991.06	977,201.132	− 369.21	
5920	14	35.07	70	38.74	3996.21	977,207.353	− 361.97	
5921	14	35.16	71	17.18	4033.00	977,180.304	− 381.73	
5922	14	35.27	73	34.59	4481.46	977,068.749	− 403.67	
5923	14	35.33	70	50.96	3984.01	977,203.958	− 367.99	
5924	14	35.43	70	19.95	3938.79	977,227.521	− 353.53	
5925	14	35.56	74	24.76	4067.22	977,307.990	− 247.50	
5926	14	35.57	70	50.39	3978.91	977,207.359	− 365.78	
5927	14	35.62	70	50.30	3978.24	977,206.874	− 366.44	Telg
5928	14	35.75	70	39.11	4086.36	977,190.837	− 360.97	
5929	14	35.81	70	49.35	3974.72	977,210.578	− 363.58	
5930	14	35.95	73	36.01	4507.51	977,067.627	− 400.07	
5931	14	35.96	70	48.52	3992.00	977,207.985	− 362.83	
5932	14	35.99	74	16.72	3368.21	977,398.480	− 296.75	
5933	14	36.00	70	44.68	3999.08	977,210.148	− 359.28	
5934	14	36.03	74	16.19	3243.24	977,418.274	− 301.87	
5935	14	36.05	73	34.92	4540.57	977,061.073	− 400.07	
5936	14	36.08	75	11.60	323.00	978,262.602	− 34.18	
5937	14	36.08	73	59.73	4264.10	977,162.282	− 354.23	
5938	14	36.10	70	20.56	3932.00	977,229.575	− 353.33	
5939	14	36.14	71	17.10	4045.80	977,176.533	− 383.67	
5940	14	36.19	70	47.15	3992.06	977,210.313	− 360.66	Santa-Rosa-Plaza
5941	14	36.20	73	37.52	4466.63	977,076.161	− 399.91	
5942	14	36.27	73	38.58	4437.73	977,084.039	− 397.87	Condorcocha-Lag.
5943	14	36.32	70	43.86	4037.02	977,203.517	− 358.56	
5944	14	36.33	73	38.61	4443.00	977,084.926	− 395.97	
5945	14	36.46	70	45.19	3974.32	977,212.768	− 361.94	
5946	14	36.53	70	39.10	4155.20	977,180.494	− 358.13	
5947	14	36.56	74	15.96	3164.23	977,434.278	− 301.96	
5948	14	36.60	70	46.27	3958.16	977,216.598	− 361.44	
5949	14	36.61	74	25.84	4021.85	977,325.003	− 240.32	
5950	14	36.61	74	16.56	3482.50	977,379.537	− 293.39	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
5951	14	36.64	70	40.81	4095.28	977,193.857	− 356.82	
5952	14	36.67	74	15.61	3096.61	977,444.974	− 304.80	
5953	14	36.67	74	14.40	3290.74	977,403.810	− 307.34	
5954	14	36.73	70	42.76	4044.86	977,203.730	− 357.09	
5955	14	36.74	74	0.43	4210.79	977,177.563	− 350.09	
5956	14	36.80	69	36.75	4455.38	977,155.213	− 323.55	
5957	14	36.82	74	15.66	3104.93	977,443.579	− 304.64	
5958	14	36.82	73	39.95	4456.74	977,086.772	− 391.73	
5959	14	36.84	74	14.92	3202.28	977,423.365	− 305.52	
5960	14	36.85	73	58.97	4253.89	977,162.378	− 356.74	
5961	14	36.88	70	41.90	4060.17	977,201.374	− 356.50	
5962	14	36.90	74	13.88	3348.76	977,393.019	− 306.75	Lucanas
5963	14	36.92	73	53.96	4400.24	977,108.847	− 381.04	
5964	14	36.95	74	25.02	3920.43	977,347.626	− 238.21	
5965	14	36.98	74	16.52	3606.85	977,357.882	− 290.54	
5966	14	36.99	70	21.20	3926.21	977,229.593	− 355.11	
5967	14	36.99	74	17.36	3717.71	977,343.439	− 282.88	
5968	14	37.00	73	59.68	4311.87	977,155.517	− 352.12	
5969	14	37.04	73	55.38	4446.85	977,102.026	− 378.61	
5970	14	37.12	73	52.91	4433.01	977,101.083	− 382.39	
5971	14	37.14	70	39.96	4190.23	977,175.186	− 356.88	
5972	14	37.16	74	13.19	3304.45	977,401.403	− 307.38	
5973	14	37.18	74	1.12	4205.22	977,179.595	− 349.50	
5974	14	37.24	70	45.82	3939.85	977,220.189	− 361.98	Lida-Panca
5975	14	37.25	70	40.45	4127.01	977,189.123	− 355.66	
5976	14	37.33	75	11.22	326.67	978,259.478	− 37.51	
5977	14	37.36	73	51.60	4451.95	977,093.717	− 386.14	
5978	14	37.49	71	16.86	4044.60	977,175.305	− 386.13	
5979	14	37.53	74	1.61	4143.65	977,191.658	− 350.00	
5980	14	37.54	73	56.27	4418.95	977,117.649	− 368.94	
5981	14	37.55	74	12.44	3359.93	977,389.185	− 308.84	
5982	14	37.55	73	47.94	4524.76	977,083.130	− 382.29	
5983	14	37.60	73	49.26	4518.36	977,078.526	− 388.21	
5984	14	37.66	70	21.96	3917.86	977,236.219	− 350.65	
5985	14	37.71	74	24.58	4019.58	977,329.375	− 237.21	
5986	14	37.74	73	42.04	4530.74	977,078.234	− 386.12	
5987	14	37.80	73	57.20	4386.34	977,132.561	− 360.76	
5988	14	37.80	74	17.70	3891.37	977,316.087	− 276.18	
5989	14	37.82	73	57.27	4390.00	977,132.418	− 360.18	Yaurihuiri-Lag.
5990	14	37.85	74	12.28	3429.05	977,373.848	− 310.64	
5991	14	37.87	73	44.53	4448.99	977,090.797	− 390.03	
5992	14	37.90	74	17.02	3740.42	977,342.026	− 280.43	Ccollpapampa
5993	14	37.90	74	2.35	4095.72	977,207.785	− 343.73	
5994	14	37.92	74	13.29	3279.49	977,403.383	− 310.92	
5995	14	37.92	73	50.25	4471.13	977,093.315	− 383.11	
5996	14	37.94	73	58.33	4369.70	977,143.756	− 352.99	
5997	14	37.98	73	45.21	4483.31	977,090.431	− 383.60	
5998	14	38.02	71	16.42	4035.00	977,177.568	− 386.17	
5999	14	38.07	73	58.71	4322.63	977,156.177	− 350.08	
6000	14	38.15	70	44.95	3957.40	977,219.660	− 359.67	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6001	14	38.21	74	25.26	4021.34	977,334.107	− 232.50	
6002	14	38.31	73	43.01	4494.26	977,084.092	− 388.00	
6003	14	38.31	73	46.41	4521.70	977,085.958	− 380.63	
6004	14	38.39	74	2.71	4075.18	977,214.114	− 341.86	
6005	14	38.46	73	47.42	4471.77	977,100.152	− 376.54	
6006	14	38.55	73	45.60	4443.61	977,097.630	− 384.77	Negro-Mayo
6007	14	38.64	74	11.52	3490.16	977,356.299	− 316.59	
6008	14	38.73	71	16.19	4065.30	977,170.336	− 387.86	
6009	14	38.82	74	18.73	4039.93	977,301.797	− 261.54	
6010	14	38.85	74	3.23	4017.33	977,227.347	− 340.53	
6011	14	38.95	70	22.04	3910.51	977,240.555	− 348.73	
6012	14	38.95	74	25.90	3997.93	977,348.174	− 223.65	
6013	14	39.10	74	21.76	4002.93	977,336.950	− 233.99	
6014	14	39.12	74	21.03	4068.54	977,312.500	− 245.34	
6015	14	39.41	74	18.92	4146.58	977,287.502	− 254.96	
6016	14	39.50	71	15.85	4001.90	977,182.141	− 389.29	
6017	14	39.54	74	25.71	3933.48	977,365.292	− 219.84	
6018	14	39.68	74	5.94	3396.33	977,354.551	− 337.79	
6019	14	39.70	70	44.60	3940.67	977,222.979	− 360.83	
6020	14	39.75	74	26.93	3974.46	977,364.579	− 212.52	
6021	14	39.79	74	24.17	3942.92	977,360.672	− 222.76	Cupitai-Pte.
6022	14	39.98	70	21.96	3906.37	977,243.313	− 347.55	
6023	14	40.00	74	10.38	3523.96	977,347.682	− 319.48	
6024	14	40.00	71	16.82	3986.40	977,182.814	− 392.09	
6025	14	40.01	74	3.24	3935.52	977,244.684	− 340.38	
6026	14	40.03	74	6.26	3330.22	977,371.862	− 333.90	
6027	14	40.06	74	28.05	3870.64	977,392.476	− 205.58	
6028	14	40.17	74	10.20	3471.68	977,361.004	− 316.69	
6029	14	40.30	74	5.36	3481.59	977,339.594	− 336.23	
6030	14	40.43	74	6.53	3281.08	977,383.090	− 332.75	
6031	14	40.45	69	29.00	4802.69	977,097.496	− 314.34	
6032	14	40.45	69	27.95	4804.75	977,099.458	− 311.97	
6033	14	40.53	69	31.85	4659.80	977,125.121	− 315.43	Ananea
6034	14	40.58	75	8.24	443.86	978,236.537	− 39.87	
6035	14	40.77	70	44.52	3930.16	977,227.256	− 359.44	
6036	14	40.79	74	4.92	3584.47	977,320.186	− 335.50	
6037	14	40.80	69	27.20	4827.35	977,101.382	− 305.77	
6038	14	40.86	74	29.50	3732.43	977,434.613	− 191.62	
6039	14	40.86	74	8.68	3471.75	977,358.356	− 319.84	
6040	14	40.90	74	4.77	3670.39	977,302.834	− 335.80	
6041	14	40.94	74	8.71	3355.98	977,381.299	− 320.01	Huarijarap
6042	14	40.94	70	21.45	3901.07	977,244.518	− 348.12	
6043	14	40.99	71	16.48	3983.50	977,182.896	− 393.31	
6044	14	40.99	74	7.19	3194.71	977,405.904	− 327.53	Puquio-Hospital
6045	14	41.00	69	29.85	4788.85	977,094.735	− 320.29	
6046	14	41.32	74	3.54	3768.28	977,285.213	− 334.20	
6047	14	41.35	74	30.98	3578.99	977,474.789	− 182.40	
6048	14	41.44	74	7.35	3220.00	977,404.353	− 324.39	
6049	14	41.50	74	3.06	3692.55	977,297.993	− 336.66	
6050	14	41.51	74	7.56	3213.95	977,404.606	− 325.39	Puquio-Plaza

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6051	14	41.55	74	7.86	3170.22	977,415.585	− 323.14	Puquio-Pte.
6052	14	41.69	74	8.31	3235.50	977,405.641	− 320.20	
6053	14	41.72	74	2.72	3738.30	977,290.038	− 335.65	
6054	14	41.78	70	21.50	3895.39	977,243.737	− 350.64	
6055	14	41.79	70	44.88	3926.39	977,230.188	− 358.02	Pamap-Ventille
6056	14	41.88	74	1.80	3724.06	977,292.532	− 336.11	
6057	14	41.94	74	2.27	3753.80	977,286.578	− 336.18	
6058	14	42.18	71	16.32	4007.20	977,177.379	− 394.98	
6059	14	42.20	69	26.30	4809.10	977,106.829	− 305.01	
6060	14	42.43	75	5.69	497.82	978,230.802	− 36.38	
6061	14	42.54	74	32.48	3561.37	977,479.955	− 181.62	
6062	14	42.65	74	1.50	3802.80	977,279.620	− 333.89	
6063	14	42.71	70	21.57	3890.50	977,244.433	− 351.61	
6064	14	42.86	70	44.87	3923.37	977,233.029	− 356.56	
6065	14	43.14	74	1.22	3640.71	977,312.170	− 334.04	
6066	14	43.34	71	15.91	3970.20	977,187.355	− 393.24	
6067	14	43.59	75	4.53	554.01	978,215.991	− 41.03	
6068	14	43.72	74	33.34	3531.15	977,494.070	− 174.40	
6069	14	43.74	74	0.98	3751.44	977,293.488	− 331.07	
6070	14	43.91	74	34.19	3465.25	977,522.044	− 159.69	
6071	14	44.28	70	21.52	3887.34	977,249.404	− 348.44	
6072	14	44.30	71	15.12	4030.10	977,177.543	− 391.80	
6073	14	44.30	74	1.14	3709.86	977,303.335	− 329.94	
6074	14	44.41	70	44.56	3915.80	977,236.203	− 356.05	
6075	14	44.45	69	24.85	4596.58	977,151.145	− 304.97	
6076	14	44.48	74	34.91	3372.51	977,547.896	− 152.73	
6077	14	44.78	75	3.36	573.57	978,219.638	− 34.43	
6078	14	45.04	74	1.28	3802.07	977,287.335	− 328.09	
6079	14	45.05	70	20.68	3890.12	977,250.296	− 347.56	
6080	14	45.11	74	36.30	3272.12	977,574.777	− 146.30	
6081	14	45.25	69	24.70	4572.50	977,153.695	− 307.83	Trapiche
6082	14	45.35	70	43.97	3912.63	977,235.038	− 358.54	
6083	14	45.55	71	14.96	4013.90	977,184.270	− 389.24	
6084	14	45.56	74	36.78	3186.47	977,597.549	− 140.90	
6085	14	45.60	69	24.30	4548.67	977,164.345	− 302.22	
6086	14	45.65	74	0.94	3838.65	977,283.463	− 325.11	
6087	14	45.97	75	2.29	541.61	978,225.073	− 36.14	
6088	14	46.08	74	0.32	3921.71	977,267.130	− 325.18	
6089	14	46.13	70	20.15	3876.40	977,252.147	− 349.25	
6090	14	46.25	69	23.70	4601.10	977,153.731	− 302.81	
6091	14	46.35	70	43.34	3910.79	977,235.057	− 359.63	Jatunpata
6092	14	46.47	70	43.19	3912.87	977,237.035	− 357.33	
6093	14	46.51	71	14.97	3995.90	977,191.429	− 386.38	
6094	14	46.52	74	37.78	3051.39	977,632.655	− 133.37	
6095	14	46.66	74	0.01	3940.19	977,266.182	− 322.87	
6096	14	46.74	70	20.62	3874.36	977,254.799	− 347.45	
6097	14	46.89	75	1.42	555.14	978,229.231	− 30.01	
6098	14	46.95	73	59.72	3981.07	977,258.868	− 322.23	
6099	14	47.01	70	21.19	3901.35	977,250.327	− 346.73	Asillo
6100	14	47.20	69	23.50	4587.25	977,161.451	− 298.57	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6101	14	47.20	70	43.39	3909.81	977,236.658	− 358.86	
6102	14	47.21	74	38.52	2929.62	977,665.587	− 125.14	
6103	14	47.30	71	14.83	3968.30	977,200.822	− 383.08	
6104	14	47.44	73	58.84	3911.46	977,271.805	− 323.56	
6105	14	47.85	70	42.59	3907.43	977,232.047	− 364.42	
6106	14	47.86	75	0.13	535.56	978,231.360	− 32.44	
6107	14	47.88	74	39.49	2807.62	977,701.878	− 113.58	Villatambo
6108	14	47.95	70	21.66	3878.24	977,252.427	− 349.95	
6109	14	48.10	69	23.25	4553.05	977,168.647	− 298.89	
6110	14	48.12	73	58.94	3895.98	977,277.847	− 321.11	
6111	14	48.49	74	59.26	522.23	978,234.527	− 32.36	
6112	14	48.52	70	41.63	3906.87	977,232.351	− 364.73	
6113	14	48.56	71	14.47	3949.10	977,209.798	− 378.88	
6114	14	48.69	74	39.78	2712.33	977,725.186	− 109.78	
6115	14	48.69	73	58.71	3859.79	977,288.756	− 317.85	
6116	14	48.83	70	21.88	3884.34	977,252.641	− 349.17	
6117	14	48.97	74	50.00	901.25	978,139.782	− 53.04	
6118	14	49.07	70	40.80	3909.55	977,232.564	− 364.39	
6119	14	49.09	71	14.41	3952.90	977,210.420	− 377.90	
6120	14	49.15	69	23.60	4552.46	977,171.196	− 297.24	
6121	14	49.18	74	41.08	2606.93	977,756.702	− 99.54	
6122	14	49.35	74	51.61	796.99	978,167.897	− 45.70	Sausar
6123	14	49.36	74	48.85	1020.67	978,115.632	− 54.00	
6124	14	49.49	74	56.11	510.00	978,217.259	− 52.77	Nazca-Plaza
6125	14	49.49	74	52.87	718.13	978,189.460	− 39.72	
6126	14	49.54	74	41.70	2463.20	977,794.763	− 90.24	
6127	14	49.54	70	23.23	3926.10	977,245.850	− 348.15	
6128	14	49.58	73	58.19	3886.40	977,285.424	− 316.53	
6129	14	49.59	70	22.26	3931.79	977,244.982	− 347.92	
6130	14	49.62	70	40.02	3910.25	977,232.774	− 364.45	Pampa-San-Antonito
6131	14	49.62	71	13.82	3998.10	977,200.918	− 378.76	
6132	14	49.75	74	54.00	685.08	978,200.795	− 35.07	
6133	14	49.80	69	24.45	4522.35	977,174.542	− 300.41	
6134	14	49.91	74	42.97	2336.15	977,826.456	− 83.99	
6135	14	49.92	71	12.88	3994.90	977,203.253	− 377.29	
6136	14	49.93	74	55.43	620.52	978,214.687	− 33.98	
6137	14	50.07	74	48.22	1140.25	978,094.331	− 52.31	
6138	14	50.17	73	57.56	3944.17	977,276.884	− 313.97	
6139	14	50.17	74	43.72	2172.99	977,867.046	− 75.89	
6140	14	50.32	74	56.45	575.28	978,223.443	− 34.40	
6141	14	50.35	70	38.95	3908.42	977,235.044	− 363.09	
6142	14	50.40	70	23.95	3957.92	977,240.411	− 347.87	
6143	14	50.43	73	56.80	4042.00	977,255.274	− 316.24	
6144	14	50.54	70	38.60	3907.97	977,234.324	− 364.04	
6145	14	50.58	74	44.08	1940.33	977,925.405	− 63.84	
6146	14	50.66	74	44.29	2050.51	977,899.727	− 67.80	
6147	14	50.77	74	47.68	1303.37	978,063.493	− 51.55	
6148	14	50.82	73	56.00	4133.43	977,233.411	− 320.12	
6149	14	51.00	69	24.75	4485.19	977,180.243	− 303.04	
6150	14	51.02	71	12.75	3986.20	977,209.517	− 373.58	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6151	14	51.08	70	24.79	3982.36	977,235.408	− 348.50	
6152	14	51.10	74	57.76	542.95	978,234.071	− 30.69	
6153	14	51.24	70	37.64	3907.05	977,237.230	− 361.84	
6154	14	51.28	74	45.18	1783.36	977,964.099	− 56.67	
6155	14	51.58	70	37.29	3900.98	977,237.828	− 362.71	Tunichupa
6156	14	51.59	73	55.81	4201.78	977,221.515	− 318.92	
6157	14	51.72	74	46.91	1532.37	978,018.945	− 51.68	
6158	14	51.80	70	24.79	3952.55	977,241.886	− 348.52	
6159	14	51.84	74	46.18	1661.69	977,993.103	− 52.10	
6160	14	51.90	74	59.03	506.22	978,242.332	− 30.23	
6161	14	51.93	74	59.04	507.05	978,242.506	− 29.92	
6162	14	51.96	71	12.43	3966.70	977,215.406	− 372.29	
6163	14	51.97	70	26.64	4013.71	977,229.679	− 348.63	
6164	14	52.10	70	33.19	3891.38	977,241.509	− 361.33	
6165	14	52.13	70	32.37	3905.45	977,242.634	− 357.42	
6166	14	52.14	70	27.83	3955.82	977,242.651	− 347.35	
6167	14	52.17	73	55.14	4154.04	977,229.687	− 320.73	
6168	14	52.20	69	24.90	4452.52	977,188.227	− 302.50	
6169	14	52.28	70	31.43	3931.65	977,241.837	− 353.09	
6170	14	52.28	70	36.18	3909.25	977,236.272	− 363.13	
6171	14	52.37	70	29.25	3933.75	977,245.333	− 349.25	
6172	14	52.38	71	12.77	3956.10	977,220.516	− 369.61	
6173	14	52.38	70	30.38	3922.98	977,246.759	− 349.98	
6174	14	52.60	70	35.71	3910.17	977,235.849	− 363.61	
6175	14	52.66	70	35.26	3906.88	977,237.114	− 363.05	Ayaviri
6176	14	52.68	70	34.27	3893.23	977,240.182	− 362.72	
6177	14	52.75	70	24.59	3930.64	977,246.386	− 349.10	
6178	14	52.78	70	25.70	3928.77	977,245.653	− 350.23	
6179	14	53.13	73	55.01	4071.56	977,252.859	− 314.76	
6180	14	53.24	71	12.55	3996.50	977,209.549	− 373.15	
6181	14	53.30	70	35.11	3887.86	977,240.249	− 364.19	Ayaviri
6182	14	53.30	69	24.70	4421.08	977,195.190	− 302.65	
6183	14	53.33	74	59.35	498.49	978,244.125	− 31.02	
6184	14	53.81	73	54.37	4108.96	977,244.497	− 316.15	
6185	14	53.90	70	35.02	3896.60	977,240.166	− 362.97	
6186	14	54.00	69	24.75	4399.70	977,196.322	− 306.32	
6187	14	54.02	71	11.87	3979.50	977,214.115	− 372.56	
6188	14	54.46	73	53.80	4117.30	977,240.774	− 318.69	
6189	14	54.59	70	34.21	3898.65	977,240.099	− 363.15	
6190	14	54.66	73	52.76	3979.08	977,264.875	− 322.36	
6191	14	54.77	74	59.04	509.17	978,241.268	− 32.85	
6192	14	54.90	69	24.60	4389.38	977,195.286	− 310.09	
6193	14	55.01	71	11.45	4010.30	977,206.785	− 374.47	
6194	14	55.20	70	33.25	3902.25	977,240.129	− 362.86	
6195	14	55.64	71	11.03	3984.50	977,212.049	− 374.84	
6196	14	55.69	73	52.60	3896.24	977,278.849	− 325.70	
6197	14	55.75	69	24.50	4372.86	977,197.639	− 311.68	
6198	14	55.76	70	32.42	3906.16	977,240.502	− 362.12	
6199	14	56.02	73	52.47	3850.01	977,290.532	− 323.49	
6200	14	56.39	74	59.07	505.67	978,241.902	− 34.12	

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6201	14	56.40	73	52.05	3767.61	977,304.733	− 326.02	
6202	14	56.55	73	51.35	3751.59	977,306.468	− 327.59	
6203	14	56.72	70	31.07	3915.34	977,240.771	− 360.74	
6204	14	56.90	71	10.26	3995.30	977,204.049	− 381.62	
6205	14	57.00	69	23.85	4360.57	977,199.521	− 313.19	
6206	14	57.17	73	51.42	3672.87	977,323.312	− 326.91	
6207	14	57.41	73	51.05	3627.99	977,338.553	− 320.80	
6208	14	57.68	70	29.91	3885.73	977,246.027	− 362.11	
6209	14	57.75	71	10.04	4005.10	977,202.931	− 381.42	
6210	14	57.90	69	23.65	4345.02	977,198.266	− 318.24	
6211	14	57.92	73	51.05	3536.23	977,354.355	− 323.67	
6212	14	57.97	70	28.64	3891.12	977,244.396	− 362.88	
6213	14	58.12	73	50.46	3425.36	977,373.104	− 327.16	
6214	14	58.25	70	27.22	3890.68	977,242.599	− 364.98	
6215	14	58.28	73	49.33	3281.00	977,401.491	− 327.63	
6216	14	58.31	73	49.83	3314.10	977,397.098	− 325.46	
6217	14	58.40	73	48.00	3049.19	977,438.176	− 337.14	
6218	14	58.43	74	59.22	505.99	978,248.985	− 28.50	Poroma
6219	14	58.48	70	26.04	3889.91	977,243.228	− 364.68	
6220	14	58.49	73	48.64	3022.20	977,446.145	− 334.60	
6221	14	58.57	73	50.15	3314.59	977,402.109	− 320.55	Chavina-Plaza
6222	14	58.62	73	49.07	3152.16	977,428.291	− 326.72	
6223	14	58.72	70	24.94	3879.01	977,250.015	− 360.24	
6224	14	58.81	71	9.75	4016.80	977,200.380	− 382.43	
6225	14	58.83	73	47.76	3056.59	977,438.705	− 335.46	Aycara-Plaza
6226	14	59.30	69	22.85	4332.56	977,194.097	− 325.95	
6227	14	59.34	74	59.72	513.99	978,255.962	− 20.64	
6228	14	59.35	71	9.61	4021.10	977,199.392	− 382.96	
6229	14	59.41	70	24.11	3875.62	977,253.011	− 358.44	CO.Collquejahua
6230	14	59.50	73	47.16	3034.26	977,445.746	− 333.37	
6231	14	59.90	69	22.10	4334.13	977,189.903	− 330.28	
6232	15	0.30	71	9.19	4087.50	977,185.360	− 384.44	
6233	15	0.44	73	46.65	3143.90	977,431.889	− 326.13	
6234	15	0.45	70	23.13	3883.55	977,252.936	− 357.72	
6235	15	0.49	75	0.19	530.55	978,258.134	− 16.08	
6236	15	0.70	69	21.80	4344.81	977,189.891	− 328.76	Cojata-Plaza
6237	15	0.77	73	46.76	3174.84	977,427.634	− 324.48	Coracora-Plaza
6238	15	0.89	75	0.32	534.04	978,258.725	− 15.11	
6239	15	0.95	73	46.89	3204.06	977,421.844	− 324.60	
6240	15	1.34	73	46.47	3285.41	977,406.039	− 324.50	
6241	15	1.41	75	0.33	562.22	978,252.082	− 16.61	
6242	15	1.42	71	8.62	4073.61	977,189.426	− 384.00	
6243	15	1.60	70	22.27	3885.73	977,257.102	− 353.98	
6244	15	1.86	73	45.68	3361.25	977,393.268	− 322.57	
6245	15	1.96	71	8.29	4076.77	977,189.245	− 383.95	
6246	15	2.24	73	45.11	3289.53	977,409.886	− 320.52	
6247	15	2.31	75	0.28	555.70	978,259.357	− 11.30	
6248	15	2.42	73	45.80	3276.71	977,412.788	− 320.30	
6249	15	2.56	75	0.24	554.39	978,259.636	− 11.46	
6250	15	2.57	70	21.80	3860.70	977,259.319	− 357.49	

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6251	15	2.84	73	44.64	3217.82	977,426.795	− 318.33	
6252	15	2.97	71	7.64	4096.53	977,184.344	− 385.66	
6253	15	3.15	75	0.28	566.70	978,260.022	− 9.11	
6254	15	3.19	70	21.58	3867.42	977,251.434	− 364.50	Pucara
6255	15	3.25	73	44.06	3250.00	977,421.822	− 317.20	
6256	15	3.72	71	7.24	4118.31	977,179.536	− 386.68	
6257	15	4.16	73	44.15	3242.73	977,425.332	− 315.83	
6258	15	4.22	70	21.01	3860.08	977,256.628	− 361.55	
6259	15	4.24	75	0.41	586.28	978,257.603	− 8.51	
6260	15	4.57	75	0.46	596.37	978,257.412	− 6.97	
6261	15	4.72	71	6.98	4142.62	977,173.531	− 388.58	
6262	15	4.87	73	44.36	3188.73	977,438.042	− 314.40	
6263	15	5.41	70	21.19	3851.17	977,260.313	− 360.54	
6264	15	5.44	73	44.73	3201.15	977,436.745	− 313.66	Chumpi-Plaza
6265	15	5.59	69	30.05	4202.75	977,208.045	− 342.71	
6266	15	5.69	73	44.65	3285.81	977,417.665	− 316.08	
6267	15	5.75	75	0.02	567.80	978,261.617	− 9.26	
6268	15	5.99	73	44.36	3364.28	977,403.342	− 315.01	
6269	15	6.10	71	6.72	4171.76	977,167.276	− 390.06	
6270	15	6.30	69	30.61	4132.10	977,223.683	− 341.73	
6271	15	6.32	74	59.73	601.58	978,256.052	− 8.63	
6272	15	6.39	69	31.26	4054.13	977,238.223	− 342.84	
6273	15	6.67	70	21.63	3845.43	977,256.508	− 366.44	
6274	15	6.68	71	6.55	4187.89	977,162.859	− 391.68	
6275	15	6.70	73	44.17	3403.65	977,397.128	− 313.92	
6276	15	6.79	69	31.32	3952.84	977,259.484	− 342.11	
6277	15	6.98	69	32.55	3937.60	977,262.004	− 342.78	
6278	15	7.10	69	33.37	3915.74	977,267.417	− 341.83	
6279	15	7.11	74	59.40	621.54	978,254.265	− 7.09	Panamericana
6280	15	7.55	73	44.52	3404.27	977,402.993	− 308.58	
6281	15	7.58	71	6.56	4217.06	977,155.776	− 393.62	
6282	15	7.71	73	44.61	3489.42	977,387.076	− 307.65	
6283	15	7.90	70	21.76	3844.74	977,259.315	− 364.70	Rio-Colgue
6284	15	8.14	73	44.41	3501.07	977,391.917	− 300.82	
6285	15	8.30	71	7.21	4262.05	977,146.393	− 394.55	
6286	15	8.34	73	44.28	3450.79	977,402.725	− 300.18	Cahuanilla
6287	15	8.36	69	33.65	3890.53	977,278.091	− 337.14	
6288	15	8.47	74	58.72	641.99	978,250.647	− 7.73	panamericana-cruce
6289	15	8.82	74	59.59	595.47	978,267.622	− 0.15	
6290	15	8.96	71	7.97	4309.98	977,138.245	− 393.61	
6291	15	9.12	73	44.54	3498.34	977,403.145	− 290.88	
6292	15	9.25	75	0.47	574.02	978,281.421	9.11	
6293	15	9.29	69	33.91	3882.36	977,275.849	− 341.71	
6294	15	9.32	75	0.69	573.33	978,281.415	8.92	
6295	15	9.44	70	21.46	3852.84	977,264.174	− 359.39	
6296	15	9.52	71	8.54	4333.00	977,134.131	− 393.54	
6297	15	9.67	75	1.60	581.31	978,279.763	8.57	
6298	15	9.85	71	8.74	4414.46	977,117.340	− 394.28	
6299	15	9.89	74	58.03	620.96	978,259.120	− 4.46	
6300	15	10.05	73	44.26	3464.89	977,414.516	− 286.88	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6301	15	10.08	70	21.36	3852.32	977,270.538	− 353.62	
6302	15	10.18	69	34.25	3869.62	977,277.372	− 343.41	
6303	15	10.19	71	8.56	4372.34	977,125.120	− 395.19	
6304	15	10.21	75	2.59	654.81	978,271.458	14.28	
6305	15	10.45	71	41.39	4197.15	977,126.059	− 429.49	
6306	15	10.54	71	42.51	4214.18	977,118.314	− 433.90	
6307	15	10.55	71	40.13	4176.59	977,135.586	− 424.15	
6308	15	10.71	73	44.61	3438.04	977,427.633	− 279.61	
6309	15	10.80	69	33.94	3870.32	977,272.923	− 348.19	
6310	15	10.81	71	39.19	4154.36	977,150.469	− 413.91	
6311	15	10.82	70	21.20	3853.08	977,276.338	− 348.23	
6312	15	10.85	71	43.77	4241.58	977,109.440	− 437.53	
6313	15	11.02	71	46.18	4332.08	977,097.421	− 431.57	Cailloma
6314	15	11.04	75	3.23	733.63	978,260.532	18.20	
6315	15	11.07	75	3.23	733.35	978,260.548	18.14	
6316	15	11.12	71	8.81	4445.51	977,110.849	− 395.52	
6317	15	11.13	71	45.95	4310.01	977,100.314	− 433.18	
6318	15	11.22	71	45.07	4261.46	977,105.530	− 437.75	
6319	15	11.57	74	57.47	632.88	978,261.767	− 0.75	
6320	15	11.72	73	44.01	3418.04	977,435.908	− 276.08	
6321	15	11.86	69	33.42	3872.92	977,271.373	− 350.02	
6322	15	11.91	70	21.10	3846.69	977,277.002	− 349.67	
6323	15	11.95	71	39.17	4242.33	977,118.129	− 429.52	
6324	15	11.95	69	45.54	3841.42	977,288.751	− 339.01	Huancane-Plaz
6325	15	11.96	75	3.84	758.47	978,258.917	20.76	
6326	15	12.25	71	8.75	4534.61	977,092.062	− 397.32	
6327	15	12.26	69	46.58	3820.15	977,293.095	− 339.15	
6328	15	12.32	73	44.09	3401.37	977,445.010	− 270.76	
6329	15	12.36	69	45.01	3825.49	977,291.517	− 339.73	
6330	15	12.62	70	21.04	3845.65	977,279.621	− 347.80	Rio-CaraCara
6331	15	12.64	69	33.11	3868.69	977,270.654	− 352.19	
6332	15	12.69	69	47.35	3813.93	977,292.970	− 340.83	
6333	15	12.80	75	4.30	772.93	978,253.150	17.19	
6334	15	12.85	75	4.32	774.12	978,253.097	17.34	
6335	15	12.90	69	44.05	3858.30	977,289.593	− 335.51	
6336	15	12.93	71	39.17	4267.26	977,113.317	− 430.09	
6337	15	13.14	74	56.64	615.66	978,267.832	0.74	
6338	15	13.15	70	20.35	3843.20	977,284.721	− 343.59	
6339	15	13.22	73	44.30	3365.30	977,459.593	− 264.04	
6340	15	13.26	69	32.47	3869.45	977,271.255	− 351.91	
6341	15	13.35	71	9.07	4629.10	977,074.453	− 396.84	
6342	15	13.42	69	48.67	3812.55	977,295.378	− 339.26	
6343	15	13.56	71	38.02	4217.36	977,129.091	− 424.78	
6344	15	13.58	69	43.55	3864.99	977,288.275	− 336.02	
6345	15	13.58	71	38.87	4202.10	977,129.508	− 427.44	
6346	15	13.75	69	42.34	3814.37	977,294.862	− 339.66	
6347	15	13.86	69	31.52	3872.28	977,272.669	− 350.38	Rosaspata
6348	15	13.91	71	9.04	4700.80	977,059.211	− 398.13	
6349	15	13.93	69	41.42	3812.39	977,296.455	− 338.60	
6350	15	14.00	73	44.15	3299.35	977,475.708	− 261.65	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6351	15	14.03	69	49.84	3811.34	977,299.695	− 335.65	
6352	15	14.16	70	19.27	3846.63	977,291.084	− 337.31	
6353	15	14.16	71	37.66	4231.30	977,137.100	− 414.44	
6354	15	14.22	73	34.62	3293.03	977,432.287	− 306.49	
6355	15	14.32	73	43.06	3285.83	977,467.041	− 273.25	
6356	15	14.34	69	40.79	3824.16	977,294.072	− 338.95	
6357	15	14.37	73	42.00	3288.38	977,459.161	− 280.66	
6358	15	14.39	73	35.82	3298.19	977,433.499	− 304.38	
6359	15	14.60	73	33.98	3289.50	977,432.424	− 307.35	Incuyo-Plaza
6360	15	14.65	74	56.02	595.53	978,275.696	3.51	
6361	15	14.67	71	8.94	4740.38	977,044.292	− 405.69	
6362	15	14.69	69	30.67	3875.82	977,272.579	− 350.40	
6363	15	14.77	73	41.31	3284.24	977,457.719	− 283.24	
6364	15	14.79	69	40.24	3811.62	977,296.237	− 339.63	
6365	15	15.01	69	51.07	3812.29	977,297.606	− 338.30	
6366	15	15.02	69	52.23	3812.74	977,295.314	− 340.50	Rio-Ramis
6367	15	15.05	73	40.52	3290.94	977,454.318	− 285.51	
6368	15	15.14	75	4.84	746.14	978,263.267	20.27	
6369	15	15.14	73	37.20	3306.08	977,441.084	− 295.81	
6370	15	15.18	73	34.06	3298.24	977,433.407	− 305.07	
6371	15	15.18	73	38.53	3293.58	977,448.934	− 290.47	
6372	15	15.25	73	39.53	3287.82	977,448.689	− 291.92	
6373	15	15.27	70	18.68	3833.61	977,294.485	− 337.36	
6374	15	15.34	71	37.65	4303.89	977,127.083	− 410.84	
6375	15	15.36	69	39.62	3811.36	977,296.087	− 340.27	
6376	15	15.37	73	37.83	3301.15	977,451.739	− 286.31	
6377	15	15.44	69	30.81	3882.62	977,268.789	− 353.40	
6378	15	15.60	75	13.10	47.07	978,397.609	17.24	
6379	15	15.66	69	52.87	3811.86	977,294.075	− 342.41	
6380	15	15.69	71	8.50	4699.26	977,045.461	− 413.54	
6381	15	15.88	70	18.12	3841.91	977,296.183	− 334.47	
6382	15	16.09	69	53.76	3812.79	977,293.632	− 342.99	
6383	15	16.15	75	4.76	653.56	978,283.699	21.75	
6384	15	16.19	69	38.90	3812.50	977,295.471	− 341.29	
6385	15	16.21	73	34.12	3314.59	977,434.011	− 302.00	
6386	15	16.30	70	17.47	3835.53	977,297.047	− 335.20	
6387	15	16.32	71	8.40	4668.74	977,051.338	− 414.27	
6388	15	16.42	71	37.82	4278.31	977,133.870	− 410.00	
6389	15	16.50	70	17.02	3832.28	977,299.821	− 333.23	Salsapata
6390	15	16.59	70	15.32	3830.88	977,299.472	− 333.92	
6391	15	16.60	69	30.92	3899.39	977,268.893	− 350.83	
6392	15	16.73	69	55.61	3812.73	977,295.883	− 341.25	
6393	15	16.80	75	4.69	569.44	978,300.747	21.79	
6394	15	16.83	69	38.14	3810.91	977,295.528	− 342.04	
6395	15	16.84	75	4.91	570.89	978,300.652	21.96	
6396	15	16.92	70	14.68	3831.81	977,300.255	− 333.20	
6397	15	17.07	75	6.01	534.13	978,307.340	21.26	
6398	15	17.12	69	56.72	3814.26	977,295.154	− 341.97	
6399	15	17.24	71	8.27	4630.83	977,064.605	− 409.31	
6400	15	17.32	71	37.44	4297.19	977,137.640	− 403.13	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6401	15	17.35	69	37.37	3826.38	977,291.953	− 342.93	
6402	15	17.42	69	57.60	3814.88	977,297.458	− 339.77	
6403	15	17.45	75	7.73	363.52	978,335.529	15.71	
6404	15	17.45	73	34.23	3342.08	977,434.751	− 296.73	
6405	15	17.48	70	14.35	3831.41	977,300.291	− 333.68	
6406	15	17.53	69	31.32	3993.02	977,252.757	− 348.99	
6407	15	17.55	75	6.70	464.86	978,318.453	18.42	
6408	15	17.56	75	7.89	362.70	978,335.844	15.78	
6409	15	17.56	75	6.71	464.05	978,318.761	18.56	
6410	15	17.64	69	58.56	3818.79	977,297.993	− 338.62	Taraco-Plaza
6411	15	17.68	69	59.98	3817.58	977,295.729	− 341.15	
6412	15	17.74	75	10.68	94.61	978,387.644	14.94	
6413	15	17.79	70	1.27	3821.36	977,296.596	− 339.62	
6414	15	17.84	74	54.68	515.68	978,291.208	0.92	
6415	15	17.91	69	36.44	3878.72	977,281.896	− 342.96	
6416	15	17.92	71	8.12	4649.53	977,061.655	− 409.02	
6417	15	17.96	75	7.51	301.47	978,347.940	15.57	
6418	15	18.14	69	35.74	3929.20	977,272.277	− 342.68	
6419	15	18.26	70	13.83	3828.82	977,300.268	− 334.82	Calapuja
6420	15	18.29	71	36.71	4364.60	977,131.620	− 396.41	
6421	15	18.30	73	33.86	3396.68	977,428.289	− 292.98	
6422	15	18.37	75	8.22	210.45	978,367.062	16.55	
6423	15	18.40	69	34.82	4003.78	977,256.323	− 343.94	
6424	15	18.45	75	7.71	223.65	978,362.285	14.29	
6425	15	18.54	69	32.61	4084.71	977,238.686	− 345.51	
6426	15	18.56	69	31.77	4109.67	977,231.824	− 347.40	
6427	15	18.58	70	13.09	3833.13	977,298.220	− 336.25	
6428	15	18.69	70	12.07	3828.84	977,291.947	− 343.46	
6429	15	18.69	70	1.83	3820.46	977,299.300	− 337.78	
6430	15	18.73	75	8.33	167.30	978,376.853	17.62	
6431	15	18.76	69	33.89	4080.73	977,241.371	− 343.79	
6432	15	18.80	74	34.80	355.70	978,279.720	− 42.67	Minas-Cobre-Acar
6433	15	19.00	71	7.37	4693.79	977,050.020	− 412.61	
6434	15	19.25	71	36.10	4458.61	977,114.568	− 395.37	
6435	15	19.34	73	33.88	3438.67	977,428.196	− 285.50	
6436	15	19.39	69	30.60	4054.33	977,242.882	− 348.03	
6437	15	19.40	75	8.32	101.72	978,392.507	19.92	
6438	15	19.40	70	11.34	3831.00	977,293.859	− 341.66	
6439	15	19.41	75	8.30	117.90	978,392.542	23.11	
6440	15	19.60	70	2.23	3821.31	977,288.216	− 349.39	
6441	15	19.62	74	53.97	465.59	978,300.946	− 0.53	
6442	15	19.64	74	35.14	322.45	978,285.843	− 43.70	
6443	15	19.87	69	30.61	3990.95	977,257.001	− 346.95	
6444	15	19.92	71	35.43	4513.10	977,104.995	− 394.55	
6445	15	20.17	71	7.01	4700.23	977,045.400	− 416.84	
6446	15	20.38	75	8.16	37.25	978,401.208	15.25	
6447	15	20.41	70	2.60	3821.79	977,283.862	− 354.27	
6448	15	20.45	73	33.96	3458.80	977,441.582	− 268.96	
6449	15	20.46	70	10.75	3829.35	977,297.236	− 339.43	
6450	15	20.51	75	8.33	41.03	978,401.220	15.91	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6451	15	20.61	74	35.23	279.30	978,297.749	− 41.00	
6452	15	20.72	69	30.05	3939.23	977,268.925	− 346.00	
6453	15	20.82	75	8.12	36.24	978,403.221	16.73	
6454	15	20.82	75	8.49	29.76	978,402.753	14.99	
6455	15	20.89	71	34.83	4634.09	977,083.439	− 392.61	
6456	15	20.94	71	5.98	4690.46	977,047.203	− 417.58	
6457	15	21.28	74	53.34	420.80	978,305.726	− 5.80	
6458	15	21.28	75	9.33	28.72	978,412.669	24.36	
6459	15	21.33	71	34.37	4687.24	977,073.184	− 392.55	
6460	15	21.44	70	3.02	3822.72	977,281.976	− 356.76	
6461	15	21.45	69	29.95	3881.61	977,283.064	− 343.93	Moho-Plaza
6462	15	21.46	73	33.89	3482.50	977,449.705	− 256.89	
6463	15	21.52	74	35.54	291.13	978,304.112	− 33.01	
6464	15	21.56	70	10.22	3828.99	977,300.133	− 337.45	Cerro-Sara
6465	15	21.57	71	5.08	4653.66	977,055.951	− 416.70	
6466	15	21.60	69	29.40	3830.63	977,292.911	− 344.37	
6467	15	21.79	71	33.86	4624.49	977,086.052	− 392.61	
6468	15	21.95	69	28.45	3839.39	977,291.610	− 344.19	
6469	15	22.31	74	53.12	405.17	978,305.512	− 9.88	
6470	15	22.33	73	33.71	3492.29	977,454.033	− 251.28	
6471	15	22.35	69	27.50	3929.59	977,275.868	− 342.24	
6472	15	22.41	70	3.33	3822.47	977,278.398	− 361.14	
6473	15	22.55	71	4.58	4646.66	977,057.802	− 417.00	
6474	15	22.68	70	9.60	3828.23	977,302.151	− 336.44	
6475	15	22.70	69	26.45	4040.51	977,254.569	− 341.65	
6476	15	23.00	74	35.97	252.60	978,312.103	− 33.71	
6477	15	23.08	73	33.44	3510.55	977,456.189	− 246.06	
6478	15	23.26	71	33.07	4600.66	977,091.087	− 393.48	
6479	15	23.30	69	25.00	4176.10	977,229.482	− 340.10	
6480	15	23.38	70	3.60	3823.04	977,280.984	− 359.18	
6481	15	23.43	70	9.22	3827.29	977,305.355	− 334.00	
6482	15	23.43	74	53.10	399.69	978,308.203	− 9.12	
6483	15	23.62	71	4.44	4621.81	977,061.135	− 419.47	
6484	15	23.74	71	32.74	4545.19	977,103.005	− 393.04	
6485	15	24.00	69	24.00	4097.69	977,247.503	− 338.29	
6486	15	24.09	73	33.25	3521.93	977,458.635	− 242.12	
6487	15	24.20	70	8.86	3824.84	977,302.930	− 337.51	
6488	15	24.23	74	36.82	225.45	978,318.833	− 33.24	
6489	15	24.24	71	32.04	4540.28	977,104.157	− 393.26	
6490	15	24.35	69	23.10	4010.55	977,266.116	− 337.36	
6491	15	24.45	69	22.15	3975.33	977,276.370	− 334.21	
6492	15	24.46	70	3.91	3823.11	977,284.660	− 356.32	
6493	15	24.54	74	53.18	318.88	978,304.263	− 29.75	
6494	15	24.63	71	4.42	4599.73	977,065.405	− 420.40	
6495	15	24.79	71	31.27	4486.43	977,116.230	− 392.40	
6496	15	25.09	74	37.32	214.05	978,323.370	− 31.60	
6497	15	25.16	73	33.32	3497.04	977,472.387	− 234.16	
6498	15	25.22	70	8.47	3823.01	977,305.239	− 336.35	
6499	15	25.26	70	4.24	3827.12	977,288.277	− 352.52	
6500	15	25.32	71	4.03	4584.66	977,068.749	− 420.61	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6501	15	25.36	71	30.97	4455.79	977,123.723	− 391.48	
6502	15	25.45	74	36.71	163.15	978,338.743	− 26.47	
6503	15	25.45	69	21.20	3906.97	977,290.799	− 334.21	
6504	15	25.81	70	4.75	3822.99	977,291.714	− 350.33	
6505	15	25.92	70	8.27	3821.81	977,307.466	− 334.90	Maravillas-Pte.
6506	15	26.00	69	20.40	3886.86	977,293.207	− 336.24	
6507	15	26.04	71	4.23	4606.59	977,063.463	− 422.06	
6508	15	26.09	73	33.30	3475.10	977,481.789	− 229.84	
6509	15	26.25	70	5.11	3821.69	977,292.396	− 350.25	
6510	15	26.27	74	37.02	153.87	978,342.072	− 25.59	
6511	15	26.33	74	52.11	336.06	978,316.796	− 15.22	
6512	15	26.49	71	30.72	4395.30	977,136.757	− 391.43	
6513	15	26.58	74	37.94	184.26	978,330.943	− 31.01	
6514	15	26.75	69	19.15	3867.41	977,302.202	− 331.70	
6515	15	26.75	69	19.80	3895.45	977,297.105	− 331.20	Ninantaya-Iglesia
6516	15	26.84	71	4.05	4581.71	977,071.911	− 419.21	
6517	15	26.87	73	33.01	3401.35	977,491.646	− 235.28	
6518	15	27.00	69	18.60	3856.83	977,308.273	− 327.94	
6519	15	27.00	71	29.96	4370.78	977,141.569	− 391.92	
6520	15	27.23	70	8.27	3823.25	977,306.679	− 336.41	
6521	15	27.30	69	18.10	3855.50	977,308.743	− 327.96	Boundary
6522	15	27.48	74	37.28	140.90	978,345.936	− 25.20	
6523	15	27.64	70	6.27	3820.72	977,301.474	− 342.43	
6524	15	27.64	71	28.89	4336.94	977,152.036	− 388.72	
6525	15	27.90	70	9.36	3823.64	977,302.747	− 340.78	Juliaca-AP
6526	15	27.93	71	3.72	4529.56	977,089.441	− 412.97	
6527	15	27.95	73	32.83	3401.35	977,504.860	− 222.89	
6528	15	28.18	74	37.47	125.25	978,352.936	− 21.80	
6529	15	28.24	70	8.07	3822.96	977,306.810	− 337.12	
6530	15	28.30	71	28.51	4262.85	977,167.142	− 388.94	
6531	15	28.58	74	51.50	115.02	978,358.623	− 18.42	
6532	15	28.73	73	33.12	3378.96	977,513.780	− 219.03	
6533	15	28.75	71	27.50	3908.58	977,236.224	− 391.01	
6534	15	28.75	71	28.25	4163.82	977,183.975	− 392.26	
6535	15	28.83	71	27.74	4029.46	977,211.874	− 391.27	
6536	15	28.99	70	8.02	3823.04	977,311.692	− 332.80	
6537	15	29.11	71	3.48	4511.36	977,101.060	− 405.91	
6538	15	29.14	74	37.74	117.18	978,355.669	− 21.39	
6539	15	29.33	73	33.90	3394.31	977,519.140	− 211.08	
6540	15	29.54	74	50.83	117.34	978,366.882	− 10.45	
6541	15	29.56	70	8.47	3823.60	977,311.753	− 333.07	cementario
6542	15	29.61	70	7.72	3823.78	977,311.505	− 333.32	Juliaca-Plaza
6543	15	29.65	71	27.33	3801.98	977,256.705	− 392.50	
6544	15	29.77	74	38.83	175.54	978,347.923	− 18.20	
6545	15	29.97	71	3.49	4510.92	977,105.413	− 402.31	
6546	15	29.98	70	7.55	3823.11	977,311.046	− 334.20	
6547	15	30.03	70	9.63	3825.44	977,310.001	− 334.82	Juliaca-Miraflores
6548	15	30.04	71	26.36	3833.27	977,249.323	− 393.94	
6549	15	30.10	74	38.11	143.09	978,354.362	− 18.37	
6550	15	30.12	71	25.26	3861.92	977,242.029	− 395.58	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6551	15	30.24	73	34.11	3354.02	977,534.209	− 204.74	
6552	15	30.47	74	50.17	89.28	978,374.298	− 9.25	
6553	15	30.66	74	39.23	175.35	978,347.633	− 19.22	
6554	15	30.76	73	35.16	3316.17	977,551.064	− 195.82	
6555	15	30.79	71	24.53	3881.91	977,238.381	− 395.75	
6556	15	30.87	70	10.51	3827.36	977,304.587	− 340.50	
6557	15	30.88	71	3.51	4442.91	977,119.445	− 402.60	
6558	15	30.89	70	7.23	3821.07	977,306.697	− 339.66	
6559	15	30.93	74	49.37	62.26	978,384.724	− 4.46	
6560	15	31.09	73	36.27	3323.18	977,558.447	− 187.30	
6561	15	31.17	74	48.33	101.27	978,381.551	− 0.19	
6562	15	31.54	74	39.58	175.21	978,348.816	− 18.74	
6563	15	31.62	74	47.29	126.57	978,377.091	− 0.05	
6564	15	31.64	73	37.37	3317.84	977,565.155	− 182.08	
6565	15	31.69	70	11.44	3829.79	977,293.932	− 351.30	
6566	15	31.79	71	24.36	3900.65	977,232.022	− 399.14	
6567	15	32.01	71	2.88	4445.14	977,119.365	− 403.11	
6568	15	32.23	70	12.52	3836.64	977,286.111	− 358.18	
6569	15	32.37	73	37.73	3284.86	977,576.475	− 177.89	
6570	15	32.63	74	39.73	170.24	978,352.516	− 16.86	
6571	15	32.73	71	24.18	3925.45	977,228.961	− 397.98	
6572	15	32.76	74	45.33	92.46	978,382.922	− 1.78	
6573	15	32.85	70	6.39	3820.48	977,305.879	− 342.11	
6574	15	32.88	71	2.94	4427.44	977,120.224	− 406.47	
6575	15	32.89	73	38.39	3292.43	977,587.483	− 165.78	
6576	15	33.00	70	13.67	3838.82	977,278.215	− 366.23	
6577	15	33.11	74	44.35	49.45	978,390.910	− 2.48	
6578	15	33.23	73	39.24	3298.84	977,588.195	− 164.05	
6579	15	33.37	71	24.28	3940.76	977,227.165	− 397.22	
6580	15	33.46	70	14.40	3841.90	977,275.713	− 368.48	Collachupa
6581	15	33.77	70	6.04	3819.45	977,309.678	− 339.23	Caracoto
6582	15	33.77	74	39.55	168.12	978,358.576	− 12.10	
6583	15	34.12	73	39.65	3298.32	977,599.928	− 153.12	
6584	15	34.14	70	15.21	3846.47	977,276.383	− 367.43	
6585	15	34.37	71	24.62	3954.35	977,227.150	− 395.30	
6586	15	34.45	74	42.88	61.33	978,395.377	3.27	
6587	15	34.47	71	2.96	4413.27	977,121.792	− 408.98	
6588	15	34.63	70	15.87	3848.65	977,279.390	− 364.37	
6589	15	34.76	74	39.18	163.10	978,365.513	− 6.92	
6590	15	34.85	73	39.71	3319.42	977,606.316	− 143.10	
6591	15	35.07	70	5.79	3817.19	977,306.542	− 343.83	
6592	15	35.23	74	42.09	47.29	978,400.588	5.13	
6593	15	35.24	70	16.71	3852.76	977,282.155	− 361.25	
6594	15	35.26	73	40.20	3319.13	977,617.734	− 132.05	
6595	15	35.52	73	40.98	3400.55	977,603.354	− 130.43	
6596	15	35.53	71	24.72	3981.90	977,224.789	− 393.06	
6597	15	35.61	74	39.05	153.75	978,382.534	7.61	
6598	15	35.77	74	41.08	103.45	978,395.670	10.78	
6599	15	35.83	71	3.02	4415.54	977,123.712	− 407.66	
6600	15	35.93	70	5.55	3815.79	977,307.200	− 344.12	Collana-Chillora

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6601	15	36.08	73	41.78	3347.00	977,615.661	− 129.22	
6602	15	36.13	74	40.02	122.27	978,394.028	12.54	
6603	15	36.25	74	39.56	123.77	978,393.214	11.93	Panam-Dv.
6604	15	36.26	70	5.47	3815.63	977,305.581	− 346.03	
6605	15	36.48	73	42.39	3276.82	977,639.593	− 119.57	
6606	15	36.59	74	39.01	121.51	978,393.711	11.71	
6607	15	36.63	71	25.11	4019.05	977,218.860	− 392.42	
6608	15	36.92	70	19.22	3864.30	977,290.213	− 352.20	
6609	15	36.93	71	3.14	4419.16	977,128.758	− 402.75	
6610	15	37.09	73	43.32	3215.27	977,661.437	− 110.45	
6611	15	37.26	70	5.19	3813.84	977,304.514	− 348.24	
6612	15	37.28	74	38.36	78.77	978,402.485	11.59	
6613	15	37.66	71	25.30	4082.96	977,211.722	− 387.60	
6614	15	37.87	73	43.48	3151.25	977,682.891	− 102.33	
6615	15	37.90	74	37.61	41.03	978,410.766	12.01	
6616	15	38.01	71	3.12	4419.26	977,130.464	− 401.86	
6617	15	38.33	70	20.83	3876.14	977,285.143	− 356.00	
6618	15	38.36	70	4.86	3812.88	977,305.731	− 348.07	
6619	15	38.38	74	36.62	61.20	978,408.081	12.89	
6620	15	38.75	71	25.14	4142.30	977,199.800	− 388.51	
6621	15	38.81	74	35.60	62.14	978,412.147	16.80	
6622	15	38.91	73	43.52	3056.73	977,714.612	− 90.22	
6623	15	38.98	70	21.36	3882.31	977,282.183	− 358.24	
6624	15	39.11	71	25.93	4219.78	977,184.895	− 388.20	
6625	15	39.13	71	3.13	4415.31	977,132.296	− 401.69	
6626	15	39.18	74	34.57	61.58	978,410.550	14.81	
6627	15	39.29	70	4.61	3813.62	977,312.203	− 342.18	
6628	15	39.50	71	25.35	4323.10	977,165.562	− 387.17	
6629	15	39.53	70	28.30	3940.50	977,259.773	− 369.46	
6630	15	39.53	74	33.58	61.48	978,408.160	12.12	
6631	15	39.69	70	21.87	3888.12	977,280.684	− 359.13	Lizasta
6632	15	39.85	73	43.61	2976.72	977,742.468	− 79.00	
6633	15	39.91	74	32.51	63.28	978,408.951	12.97	
6634	15	39.98	71	24.73	4385.94	977,151.574	− 388.96	
6635	15	40.07	70	33.23	4004.07	977,226.076	− 390.88	
6636	15	40.07	70	27.08	3923.15	977,264.858	− 368.26	Totorane
6637	15	40.08	70	29.20	3944.64	977,253.958	− 374.88	
6638	15	40.18	71	2.94	4406.64	977,134.859	− 401.68	
6639	15	40.24	70	4.36	3813.96	977,310.788	− 344.27	
6640	15	40.33	71	24.34	4381.88	977,153.617	− 388.00	
6641	15	40.35	70	23.23	3896.87	977,274.989	− 363.60	
6642	15	40.49	74	31.19	41.89	978,413.593	12.97	
6643	15	40.50	70	24.48	3910.98	977,270.923	− 364.96	Cupe
6644	15	40.52	70	35.21	4020.41	977,223.904	− 390.14	
6645	15	40.56	70	25.65	3913.56	977,268.919	− 366.50	
6646	15	40.65	70	30.77	3958.94	977,242.864	− 383.56	Maravilla-Pte.
6647	15	40.66	70	31.41	3982.15	977,234.353	− 387.44	
6648	15	40.71	70	34.13	4007.48	977,227.328	− 389.45	
6649	15	40.78	71	23.88	4373.32	977,154.274	− 389.41	
6650	15	40.92	73	43.84	2924.90	977,762.335	− 70.26	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6651	15	41.04	70	35.92	4030.10	977,222.187	− 390.33	Punta-de-Rieles
6652	15	41.04	71	3.21	4413.39	977,134.186	− 401.68	
6653	15	41.16	70	4.16	3813.66	977,310.799	− 345.03	Tampa-Picona
6654	15	41.37	71	23.84	4353.36	977,157.812	− 390.33	
6655	15	41.41	74	30.88	31.62	978,419.855	16.51	
6656	15	41.73	71	3.52	4421.05	977,134.049	− 400.82	
6657	15	41.79	70	36.48	4036.98	977,212.800	− 398.93	Santa-Lucia-Station
6658	15	42.04	73	44.31	2865.49	977,784.133	− 61.14	
6659	15	42.19	70	3.81	3813.76	977,317.685	− 338.93	
6660	15	42.24	71	23.67	4335.59	977,162.715	− 389.67	
6661	15	42.87	71	3.80	4434.04	977,129.324	− 403.84	
6662	15	42.91	73	49.56	1366.94	978,085.601	− 56.77	
6663	15	43.00	73	50.29	1213.97	978,111.164	− 61.40	
6664	15	43.08	70	36.34	4083.50	977,204.473	− 398.97	
6665	15	43.17	73	44.32	2815.71	977,806.108	− 49.93	
6666	15	43.20	73	48.99	1564.95	978,049.887	− 53.67	
6667	15	43.32	70	3.47	3812.16	977,320.865	− 336.96	
6668	15	43.53	71	23.53	4325.59	977,168.113	− 387.27	
6669	15	43.60	73	50.89	1153.69	978,124.366	− 60.53	
6670	15	43.63	73	49.12	1971.17	977,978.061	− 45.63	
6671	15	43.67	73	48.73	1795.48	978,008.794	− 49.64	
6672	15	43.99	74	27.19	37.05	978,446.734	42.43	
6673	15	44.16	71	3.59	4431.32	977,134.682	− 400.04	
6674	15	44.16	70	37.07	4127.26	977,198.959	− 396.59	
6675	15	44.18	73	44.74	2751.74	977,827.293	− 42.24	
6676	15	44.21	73	51.70	1070.31	978,147.549	− 54.23	
6677	15	44.45	70	3.18	3829.97	977,322.774	− 332.38	
6678	15	44.46	73	49.04	2074.33	977,963.881	− 40.07	
6679	15	44.62	73	48.53	2299.11	977,918.821	− 40.77	
6680	15	44.63	74	26.86	122.82	978,433.463	45.44	
6681	15	44.65	71	23.32	4320.63	977,173.769	− 383.49	
6682	15	44.76	71	3.07	4437.39	977,137.574	− 396.40	
6683	15	44.81	73	52.48	1005.44	978,167.424	− 47.59	
6684	15	45.15	73	45.05	2689.91	977,847.346	− 35.21	
6685	15	45.27	73	54.23	884.92	978,195.467	− 43.60	
6686	15	45.39	74	26.15	223.25	978,414.316	45.36	
6687	15	45.42	73	53.20	999.83	978,174.894	− 41.69	
6688	15	45.46	73	45.37	2625.73	977,865.230	− 30.30	
6689	15	45.53	70	2.84	3812.94	977,324.902	− 334.50	
6690	15	45.61	73	48.62	2497.15	977,887.255	− 33.89	
6691	15	45.65	71	3.14	4436.30	977,139.846	− 395.05	
6692	15	45.69	71	23.07	4317.71	977,175.968	− 382.69	
6693	15	45.82	73	55.16	789.91	978,213.234	− 44.93	
6694	15	45.98	71	20.50	4305.09	977,173.767	− 387.64	
6695	15	46.00	73	46.10	2551.46	977,886.519	− 24.17	
6696	15	46.07	73	21.68	1766.38	977,935.352	− 130.71	Caraveli-Plaza
6697	15	46.11	73	47.62	2500.95	977,896.026	− 24.76	
6698	15	46.23	74	25.49	234.96	978,413.676	46.35	
6699	15	46.27	71	21.73	4304.68	977,176.933	− 384.79	
6700	15	46.37	73	55.88	749.79	978,223.611	− 42.86	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6701	15	46.43	70	2.59	3832.54	977,321.745	− 334.45	
6702	15	46.44	73	22.40	1845.74	977,929.541	− 121.14	
6703	15	46.53	71	19.84	4294.77	977,174.729	− 389.18	
6704	15	46.59	71	18.61	4317.53	977,161.255	− 398.15	
6705	15	46.68	73	46.59	2467.61	977,911.664	− 16.17	
6706	15	46.68	71	17.63	4307.67	977,156.196	− 405.25	
6707	15	46.82	71	22.87	4309.37	977,178.675	− 382.55	
6708	15	46.90	73	47.44	2520.68	977,897.376	− 20.12	
6709	15	46.98	70	37.07	4163.74	977,199.256	− 391.21	
6710	15	47.04	71	3.42	4434.45	977,143.431	− 392.93	
6711	15	47.04	74	24.75	233.11	978,417.317	48.99	
6712	15	47.06	70	2.45	3832.67	977,318.389	− 338.28	Corro-More
6713	15	47.08	71	16.47	4340.54	977,150.615	− 404.57	
6714	15	47.13	73	23.30	1991.70	977,915.608	− 106.78	
6715	15	47.24	73	56.26	684.07	978,250.896	− 29.17	
6716	15	47.30	70	2.18	3983.78	977,289.906	− 336.78	
6717	15	47.40	71	15.79	4341.84	977,156.723	− 398.45	
6718	15	47.65	70	36.93	4218.90	977,188.752	− 391.22	
6719	15	47.71	73	23.88	2137.59	977,896.977	− 97.02	
6720	15	47.82	73	57.15	631.77	978,267.522	− 23.26	
6721	15	47.83	70	2.28	4006.75	977,283.997	− 338.52	
6722	15	47.85	74	24.13	248.35	978,415.497	49.52	
6723	15	47.91	71	15.11	4343.31	977,160.281	− 395.00	
6724	15	48.06	74	21.77	263.87	978,412.636	49.53	
6725	15	48.11	73	57.88	584.59	978,279.696	− 20.57	Achanizo
6726	15	48.30	73	24.64	2297.94	977,870.584	− 92.13	
6727	15	48.30	71	4.18	4438.49	977,143.685	− 392.86	
6728	15	48.31	73	58.85	534.59	978,293.402	− 16.83	
6729	15	48.37	74	21.11	229.48	978,416.881	46.80	
6730	15	48.37	71	14.37	4342.81	977,164.894	− 390.86	
6731	15	48.51	74	23.16	242.90	978,417.709	50.15	
6732	15	48.52	73	25.28	2450.70	977,844.949	− 87.69	
6733	15	48.55	71	4.98	4437.88	977,147.124	− 389.74	
6734	15	48.62	70	37.10	4217.43	977,189.750	− 391.27	Cangalle
6735	15	48.69	74	22.35	241.88	978,417.613	49.71	
6736	15	48.69	71	13.54	4347.49	977,166.073	− 388.99	
6737	15	48.70	73	59.86	486.57	978,308.498	− 11.47	
6738	15	48.72	74	18.69	211.16	978,418.702	44.76	
6739	15	48.74	70	37.08	4146.44	977,205.006	− 390.31	
6740	15	48.78	71	12.84	4353.34	977,164.793	− 389.17	
6741	15	48.86	73	25.73	2354.77	977,865.847	− 86.06	
6742	15	48.96	70	2.55	4012.50	977,279.598	− 342.65	
6743	15	49.02	74	19.47	271.47	978,408.550	46.18	
6744	15	49.02	73	26.20	2233.67	977,896.034	− 79.98	
6745	15	49.07	74	17.93	182.19	978,422.018	42.12	
6746	15	49.09	71	8.44	4445.45	977,150.558	− 385.21	
6747	15	49.16	71	11.62	4365.67	977,162.884	− 388.92	
6748	15	49.18	74	20.41	226.28	978,419.466	48.12	
6749	15	49.22	71	7.15	4440.43	977,152.281	− 384.60	
6750	15	49.26	71	9.96	4447.05	977,150.046	− 385.54	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6751	15	49.34	70	36.57	4186.97	977,196.789	− 390.89	
6752	15	49.40	70	2.06	3957.78	977,291.597	− 341.93	
6753	15	49.40	73	26.93	2120.68	977,925.120	− 73.55	
6754	15	49.46	74	1.08	436.32	978,326.897	− 3.51	
6755	15	49.52	71	6.27	4433.66	977,152.004	− 386.46	
6756	15	49.69	71	10.58	4381.38	977,161.351	− 387.72	
6757	15	49.78	71	5.11	4437.55	977,147.194	− 390.70	Imata
6758	15	49.79	74	17.65	140.32	978,427.580	38.92	
6759	15	49.81	70	37.33	4239.73	977,186.243	− 391.26	
6760	15	49.86	73	27.26	2004.46	977,956.209	− 65.81	
6761	15	49.90	70	41.38	4378.60	977,159.621	− 390.17	
6762	15	49.91	70	40.74	4378.01	977,159.761	− 390.15	
6763	15	49.92	74	17.26	17.81	978,447.607	34.87	
6764	15	50.01	71	5.21	4438.45	977,146.356	− 391.54	
6765	15	50.06	74	2.03	389.41	978,337.842	− 2.24	
6766	15	50.10	72	39.06	2909.94	977,626.854	− 215.93	Chuquibamba-Plaza
6767	15	50.15	70	1.65	3828.83	977,317.784	− 342.08	Puno-Plaza
6768	15	50.18	70	38.88	4368.86	977,161.879	− 390.08	
6769	15	50.22	70	1.54	3826.71	977,317.497	− 342.85	Parque-de-Pino
6770	15	50.27	74	16.06	23.99	978,427.003	15.20	
6771	15	50.33	70	39.81	4374.91	977,160.852	− 390.01	
6772	15	50.44	70	37.90	4319.10	977,171.826	− 390.30	
6773	15	50.48	70	37.56	4297.16	977,176.028	− 390.52	Reparticion-de-Puno
6774	15	50.56	73	28.16	1831.49	977,997.215	− 59.53	
6775	15	50.57	74	2.77	337.24	978,351.227	0.52	
6776	15	50.68	72	38.34	2750.00	977,654.116	− 220.88	
6777	15	50.73	70	41.69	4427.45	977,149.050	− 391.62	
6778	15	50.79	74	15.14	25.77	978,431.782	19.92	
6779	15	50.87	73	28.82	1725.30	978,023.379	− 54.57	
6780	15	50.87	70	0.96	3818.65	977,320.088	− 342.38	
6781	15	50.91	71	4.72	4442.50	977,143.729	− 394.06	
6782	15	50.94	73	31.21	1535.70	978,060.784	− 54.64	
6783	15	50.97	73	32.39	1435.66	978,082.110	− 53.05	
6784	15	51.03	69	57.61	3810.40	977,322.211	− 342.02	
6785	15	51.06	73	30.00	1628.47	978,044.483	− 52.73	
6786	15	51.06	70	0.96	3825.05	977,319.929	− 341.41	
6787	15	51.10	74	3.65	306.87	978,363.404	6.33	
6788	15	51.15	72	38.11	2472.76	977,705.836	− 224.50	
6789	15	51.20	70	42.07	4392.48	977,155.130	− 392.91	Calacruz-East
6790	15	51.20	70	47.50	4212.39	977,183.274	− 400.80	
6791	15	51.20	70	0.13	3813.50	977,322.550	− 341.21	
6792	15	51.21	70	43.65	4319.03	977,165.979	− 396.77	
6793	15	51.33	70	44.55	4231.27	977,185.150	− 395.24	
6794	15	51.34	72	38.82	2720.62	977,662.396	− 218.95	
6795	15	51.38	69	58.77	3811.08	977,323.087	− 341.29	
6796	15	51.40	70	45.16	4151.99	977,200.329	− 395.97	Tincopalca
6797	15	51.44	74	4.61	264.29	978,376.602	10.91	
6798	15	51.56	72	38.22	2574.85	977,689.100	− 221.33	
6799	15	51.58	72	37.82	2404.86	977,722.021	− 222.11	
6800	15	51.59	72	38.52	2676.87	977,670.634	− 219.58	

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6801	15	51.60	74	12.32	171.08	978,405.658	21.59	
6802	15	51.68	69	59.57	3809.14	977,320.500	− 344.50	
6803	15	51.73	72	36.78	2201.08	977,762.694	− 221.91	
6804	15	51.76	74	14.69	17.92	978,435.190	21.02	
6805	15	51.77	69	56.36	3814.61	977,325.695	− 338.29	
6806	15	51.78	74	13.47	145.42	978,410.309	21.08	
6807	15	51.88	72	37.21	2316.85	977,739.475	− 222.33	
6808	15	51.91	72	36.31	2124.44	977,778.842	− 221.06	
6809	15	51.95	74	9.41	232.72	978,392.228	19.96	
6810	15	51.95	74	5.41	209.07	978,390.078	13.17	
6811	15	51.98	71	4.20	4447.30	977,135.874	− 401.81	
6812	15	52.08	72	35.92	2038.29	977,793.797	− 223.28	
6813	15	52.18	74	8.56	260.25	978,386.447	19.38	
6814	15	52.19	74	7.61	284.26	978,381.102	18.73	
6815	15	52.38	74	10.23	178.93	978,404.215	21.07	
6816	15	52.40	70	48.02	4253.10	977,184.923	− 391.95	Sibuar-Cancha
6817	15	52.43	72	35.67	1962.23	977,805.917	− 226.47	
6818	15	52.43	69	55.41	3812.77	977,325.098	− 339.78	
6819	15	52.52	74	6.10	174.76	978,399.745	15.67	
6820	15	52.53	70	0.46	3964.29	977,287.954	− 346.75	
6821	15	52.56	74	6.81	251.68	978,387.882	18.84	
6822	15	52.75	72	34.96	1805.48	977,834.888	− 228.72	
6823	15	52.76	69	54.30	3815.03	977,328.587	− 336.10	
6824	15	52.79	69	53.53	3822.69	977,328.107	− 335.07	
6825	15	52.93	73	33.69	1235.86	978,132.470	− 43.60	
6826	15	53.01	71	3.62	4459.93	977,133.637	− 402.33	
6827	15	53.04	74	9.85	130.85	978,412.731	19.65	
6828	15	53.27	72	34.27	1740.41	977,858.148	− 218.72	Pacaicha
6829	15	53.46	69	53.35	3871.02	977,319.038	− 335.02	Chuquita-Plaza
6830	15	53.60	70	48.00	4301.42	977,179.024	− 389.14	
6831	15	53.71	74	9.82	31.73	978,419.766	6.76	
6832	15	53.76	73	33.92	1199.81	978,145.736	− 38.08	
6833	15	53.78	70	1.48	4061.95	977,270.001	− 346.18	
6834	15	53.79	71	3.21	4469.75	977,137.017	− 397.60	
6835	15	53.93	72	33.56	1609.40	977,890.472	− 212.77	
6836	15	54.20	74	8.86	6.70	978,427.738	9.44	
6837	15	54.32	69	53.09	3842.74	977,328.138	− 332.25	
6838	15	54.55	71	2.37	4485.29	977,138.433	− 393.67	
6839	15	54.56	72	32.72	1496.82	977,915.744	− 210.20	
6840	15	54.67	70	48.19	4369.66	977,167.204	− 388.15	
6841	15	54.67	74	7.83	6.99	978,432.364	13.76	
6842	15	54.72	73	34.01	1142.62	978,158.115	− 37.73	
6843	15	54.73	72	32.92	1375.22	977,936.323	− 213.73	
6844	15	54.96	69	52.84	3828.44	977,331.554	− 332.19	
6845	15	55.01	72	32.13	1387.52	977,940.931	− 206.91	
6846	15	55.04	70	1.92	4048.62	977,263.672	− 356.18	
6847	15	55.15	74	6.86	10.44	978,435.729	17.42	
6848	15	55.40	71	2.31	4494.05	977,138.315	− 392.71	
6849	15	55.49	70	47.87	4410.25	977,160.683	− 387.19	
6850	15	55.60	74	5.79	6.15	978,436.676	17.16	

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6851	15	55.72	69	52.33	3817.22	977,330.809	− 335.78	
6852	15	55.77	72	31.91	1268.24	977,971.445	− 200.50	
6853	15	55.90	70	1.62	4035.53	977,265.402	− 357.74	
6854	15	56.04	71	2.45	4505.65	977,138.508	− 390.70	
6855	15	56.08	72	31.14	1139.42	977,998.619	− 198.93	
6856	15	56.18	70	48.24	4515.32	977,133.652	− 393.74	
6857	15	56.19	73	34.76	1041.02	978,194.275	− 22.72	
6858	15	56.35	69	51.19	3819.05	977,328.262	− 338.46	
6859	15	56.39	70	1.28	4033.08	977,265.071	− 358.95	
6860	15	56.55	74	3.74	66.05	978,424.230	15.69	
6861	15	56.66	69	50.00	3811.91	977,335.438	− 332.96	Plateria
6862	15	56.89	70	48.44	4606.80	977,115.040	− 394.58	
6863	15	56.99	73	35.05	993.71	978,207.610	− 19.32	
6864	15	57.04	72	30.58	1046.04	978,027.293	− 189.39	Chuqui-Aplao-Capilla
6865	15	57.17	74	2.75	31.83	978,433.284	17.56	
6866	15	57.24	69	49.17	3817.40	977,333.846	− 333.91	
6867	15	57.28	71	2.18	4536.89	977,135.351	− 388.59	
6868	15	57.43	70	48.67	4601.95	977,117.285	− 393.74	
6869	15	57.85	73	35.27	957.95	978,213.981	− 20.67	
6870	15	58.12	72	30.33	934.01	978,057.542	− 182.03	
6871	15	58.13	70	1.26	3901.15	977,292.858	− 358.89	
6872	15	58.26	69	47.72	3822.39	977,334.704	− 332.87	
6873	15	58.30	71	1.83	4554.05	977,131.129	− 390.19	
6874	15	58.56	70	1.14	3898.62	977,291.213	− 361.39	
6875	15	58.73	73	35.65	907.01	978,225.519	− 19.84	
6876	15	58.88	70	49.50	4721.18	977,095.479	− 392.79	
6877	15	58.92	69	46.93	3817.97	977,333.043	− 335.94	
6878	15	59.03	71	0.94	4546.79	977,131.079	− 392.26	
6879	15	59.09	72	30.00	851.63	978,083.678	− 172.85	
6880	15	59.48	73	35.72	833.62	978,234.530	− 25.85	
6881	15	59.58	69	46.15	3821.31	977,332.768	− 336.07	
6882	15	59.60	70	49.91	4718.94	977,099.755	− 389.55	
6883	15	59.62	71	0.01	4547.12	977,129.977	− 393.77	
6884	15	59.78	70	0.92	3900.42	977,284.986	− 368.22	
6885	16	0.22	69	45.22	3823.83	977,331.294	− 337.55	
6886	16	0.33	74	1.30	68.07	978,440.257	29.10	
6887	16	0.34	72	29.28	795.95	978,100.639	− 167.83	
6888	16	0.50	70	59.20	4532.68	977,133.375	− 393.97	
6889	16	0.74	70	0.68	3907.05	977,279.874	− 372.78	
6890	16	0.74	73	36.23	762.70	978,249.339	− 25.98	
6891	16	1.08	70	58.85	4535.71	977,134.016	− 393.18	
6892	16	1.13	69	44.28	3826.39	977,328.357	− 340.71	
6893	16	1.20	70	51.08	4643.21	977,119.313	− 386.44	
6894	16	1.65	73	59.97	16.62	978,452.252	29.98	
6895	16	1.75	73	36.30	721.13	978,258.479	− 25.80	
6896	16	1.84	70	51.96	4623.39	977,121.406	− 388.83	
6897	16	1.92	69	43.30	3824.40	977,329.432	− 340.65	
6898	16	1.99	70	52.97	4610.12	977,122.779	− 390.24	
6899	16	2.18	70	0.43	3918.01	977,274.900	− 376.71	
6900	16	2.44	70	53.98	4621.56	977,120.108	− 390.98	

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6901	16	2.66	73	36.78	669.00	978,276.016	− 19.23	
6902	16	2.68	70	55.04	4622.50	977,124.804	− 386.28	Pampa-Celloycopata
6903	16	2.70	70	58.15	4587.83	977,123.527	− 394.52	
6904	16	2.77	70	56.09	4603.19	977,124.351	− 390.68	
6905	16	2.77	70	57.22	4609.36	977,117.131	− 396.66	
6906	16	2.78	72	29.21	682.71	978,138.910	− 153.73	
6907	16	2.86	73	58.28	22.07	978,454.103	31.93	
6908	16	2.99	70	0.38	3910.81	977,275.980	− 377.72	
6909	16	3.23	70	57.97	4597.23	977,120.567	− 396.02	Pampa-Vilasombraya
6910	16	3.42	72	29.37	647.94	978,153.321	− 146.66	Aplao
6911	16	3.52	73	57.29	36.20	978,452.934	33.00	
6912	16	3.55	69	41.32	3843.45	977,328.271	− 339.32	
6913	16	3.61	70	0.41	3914.66	977,275.838	− 377.58	
6914	16	3.74	73	36.94	596.36	978,295.646	− 14.71	
6915	16	3.89	70	56.92	4462.07	977,153.859	− 390.33	
6916	16	4.36	72	29.46	616.78	978,167.630	− 139.22	Aplao-Plaza
6917	16	4.38	73	56.64	44.63	978,451.079	32.10	
6918	16	4.41	69	39.62	3833.06	977,326.445	− 343.90	
6919	16	4.42	70	0.62	3912.09	977,278.362	− 376.22	
6920	16	4.49	70	57.50	4381.54	977,173.644	− 387.15	
6921	16	4.52	69	39.28	3828.93	977,328.268	− 342.99	
6922	16	4.68	73	37.02	533.06	978,312.415	− 11.12	
6923	16	4.98	69	38.13	3846.74	977,321.371	− 346.70	Ilave-Plaza
6924	16	4.99	70	57.92	4308.35	977,193.188	− 382.65	
6925	16	5.17	72	29.39	599.83	978,179.610	− 131.22	
6926	16	5.24	70	0.92	3975.56	977,267.541	− 375.02	
6927	16	5.42	69	37.77	3833.81	977,322.697	− 348.31	Tacna-Dv.
6928	16	5.53	70	58.24	4266.36	977,204.946	− 379.72	
6929	16	5.67	70	58.96	4205.71	977,218.958	− 377.95	
6930	16	5.68	73	37.15	469.38	978,328.551	− 8.27	
6931	16	6.05	73	53.66	27.10	978,449.540	25.80	
6932	16	6.07	72	29.37	612.14	978,183.621	− 125.51	
6933	16	6.46	70	1.64	3915.93	977,283.885	− 371.56	
6934	16	6.47	73	37.60	430.63	978,342.936	− 2.11	
6935	16	6.51	69	38.50	3843.89	977,323.043	− 346.83	
6936	16	6.56	70	59.80	4184.53	977,214.896	− 386.96	
6937	16	6.63	69	35.82	3824.43	977,325.904	− 347.94	
6938	16	6.65	73	52.78	34.31	978,451.611	28.80	
6939	16	7.13	69	38.24	3858.76	977,323.257	− 344.14	
6940	16	7.25	72	29.44	576.00	978,197.219	− 119.95	
6941	16	7.38	73	37.78	361.15	978,360.734	1.34	
6942	16	7.53	73	52.09	32.52	978,456.176	32.31	
6943	16	7.62	71	0.60	4172.93	977,209.235	− 395.79	
6944	16	7.63	69	38.42	3882.13	977,318.600	− 344.53	
6945	16	7.69	70	2.36	3915.81	977,285.829	− 370.63	
6946	16	8.02	72	29.19	550.48	978,209.238	− 113.55	
6947	16	8.07	69	34.37	3824.17	977,328.026	− 347.03	
6948	16	8.22	70	3.03	3926.97	977,285.248	− 369.41	
6949	16	8.23	73	51.23	24.83	978,458.262	32.34	
6950	16	8.36	73	37.86	315.67	978,377.426	8.33	

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
6951	16	8.41	71	0.86	4182.43	977,210.559	− 393.20	Putucancha
6952	16	8.59	69	33.55	3821.08	977,333.441	− 342.65	
6953	16	8.76	69	38.67	3843.03	977,328.075	− 343.77	
6954	16	8.79	70	3.73	3942.24	977,281.925	− 370.14	
6955	16	8.92	72	29.38	537.68	978,214.227	− 111.80	
6956	16	8.95	71	1.26	4244.02	977,198.552	− 393.33	
6957	16	9.22	73	37.79	256.14	978,391.807	10.36	
6958	16	9.27	73	49.23	33.54	978,450.939	25.88	
6959	16	9.30	69	32.72	3819.69	977,335.214	− 341.73	
6960	16	9.69	71	1.40	4213.68	977,207.567	− 390.97	
6961	16	9.71	70	4.83	3970.22	977,270.732	− 376.48	
6962	16	9.74	69	38.85	3844.30	977,324.600	− 347.78	
6963	16	9.82	72	28.92	510.15	978,224.816	− 107.33	Oveulpa-granda
6964	16	9.99	73	47.21	22.75	978,456.292	28.54	
6965	16	10.06	73	37.66	221.78	978,400.981	12.13	Capilla
6966	16	10.21	73	46.14	55.30	978,449.674	28.12	
6967	16	10.25	69	31.95	3810.40	977,336.405	− 343.15	
6968	16	10.25	70	5.29	3983.96	977,269.017	− 375.88	
6969	16	10.38	71	1.72	4196.40	977,212.439	− 390.11	
6970	16	10.46	72	28.18	512.00	978,228.549	− 103.75	
6971	16	10.59	69	39.24	3842.06	977,319.328	− 354.18	
6972	16	10.62	73	45.09	18.89	978,457.071	28.05	
6973	16	10.85	73	37.58	170.64	978,412.030	12.53	
6974	16	10.88	70	5.67	3999.31	977,267.086	− 375.26	
6975	16	11.08	69	31.63	3810.30	977,335.788	− 344.46	
6976	16	11.12	71	1.88	4170.27	977,220.184	− 388.19	Rio-Blanco
6977	16	11.20	73	44.16	15.14	978,455.973	25.76	
6978	16	11.28	70	6.25	4031.93	977,260.945	− 375.20	
6979	16	11.47	72	27.77	465.39	978,246.887	− 95.37	Olvedo
6980	16	11.62	69	39.88	3852.82	977,307.250	− 364.94	
6981	16	11.71	70	7.11	4040.17	977,257.894	− 376.96	
6982	16	11.87	71	2.16	4214.15	977,215.971	− 384.23	
6983	16	11.97	69	25.33	3950.66	977,294.031	− 358.91	
6984	16	12.08	69	24.36	3822.31	977,319.128	− 359.52	
6985	16	12.23	73	37.17	83.36	978,429.824	12.13	
6986	16	12.38	69	26.45	3945.14	977,299.471	− 354.89	
6987	16	12.48	69	40.29	3860.14	977,296.370	− 375.05	
6988	16	12.55	72	27.95	447.58	978,258.478	− 88.13	
6989	16	12.56	70	7.19	4067.68	977,252.559	− 377.48	
6990	16	12.63	69	27.42	3868.98	977,319.715	− 350.06	July-Plaza
6991	16	12.80	69	29.27	3812.91	977,330.672	− 350.44	Rio-Salado
6992	16	12.80	73	36.90	63.20	978,435.891	13.79	
6993	16	12.91	71	2.37	4218.40	977,224.926	− 375.26	
6994	16	13.03	70	7.26	4071.99	977,251.977	− 377.58	
6995	16	13.03	69	23.29	3814.92	977,319.208	− 361.69	escuela
6996	16	13.16	72	28.14	432.78	978,266.761	− 83.24	Corire-Iglesia
6997	16	13.18	69	40.53	3882.93	977,287.687	− 379.75	
6998	16	13.23	73	41.67	30.28	978,453.809	24.93	
6999	16	13.49	73	36.75	22.36	978,445.277	14.63	
7000	16	13.50	73	37.10	15.10	978,447.298	15.22	Atico-Puente

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7001	16	13.76	70	7.89	4092.76	977,248.512	− 377.48	
7002	16	13.85	71	2.84	4258.53	977,227.908	− 365.01	Rio-Oco
7003	16	14.07	69	40.71	3898.26	977,282.913	− 382.18	
7004	16	14.08	69	22.41	3810.12	977,320.917	− 361.78	
7005	16	14.14	73	34.67	30.58	978,442.687	13.13	
7006	16	14.28	72	28.10	413.90	978,280.966	− 73.65	Torete
7007	16	14.73	71	3.25	4324.21	977,221.901	− 358.59	
7008	16	15.00	71	3.51	4399.99	977,206.130	− 359.42	
7009	16	15.01	69	20.54	3810.35	977,319.226	− 364.17	
7010	16	15.06	69	17.98	3825.30	977,316.071	− 364.38	
7011	16	15.08	69	40.85	3883.99	977,294.005	− 374.75	
7012	16	15.37	72	28.01	395.42	978,290.109	− 69.01	
7013	16	15.52	71	4.31	4373.45	977,215.708	− 355.57	
7014	16	15.75	70	8.18	4171.40	977,230.846	− 381.03	
7015	16	15.85	70	9.26	4246.43	977,215.157	− 381.80	
7016	16	15.95	72	27.72	418.17	978,291.142	− 63.98	
7017	16	16.05	69	41.24	3891.22	977,300.672	− 367.43	
7018	16	16.18	69	17.47	3862.54	977,312.854	− 361.08	Pomata-Plaza
7019	16	16.21	70	10.96	4402.68	977,184.321	− 381.66	
7020	16	16.21	71	4.85	4346.39	977,222.266	− 354.98	
7021	16	16.24	72	27.10	380.87	978,295.819	− 66.85	Colorada-Pte.
7022	16	16.31	70	11.40	4492.66	977,167.540	− 380.51	
7023	16	16.82	70	11.61	4449.79	977,173.837	− 383.21	
7024	16	16.84	69	40.84	3875.45	977,302.428	− 369.46	
7025	16	16.91	71	5.14	4335.80	977,227.894	− 352.04	Atiniani
7026	16	16.99	69	16.92	3812.69	977,319.997	− 364.54	
7027	16	17.47	71	5.53	4318.09	977,231.279	− 352.65	
7028	16	17.54	70	11.86	4412.39	977,178.484	− 386.63	
7029	16	17.58	69	40.30	3880.39	977,297.011	− 374.49	
7030	16	17.73	71	6.31	4312.13	977,231.482	− 353.85	
7031	16	17.91	70	12.81	4404.22	977,173.294	− 393.75	
7032	16	17.92	69	16.25	3814.19	977,318.088	− 366.90	
7033	16	18.09	71	7.36	4316.24	977,227.467	− 357.34	
7034	16	18.41	71	8.49	4318.89	977,233.748	− 350.78	
7035	16	18.46	69	39.55	3879.16	977,295.642	− 376.81	
7036	16	18.70	69	38.75	3883.98	977,295.371	− 376.32	
7037	16	18.74	71	8.91	4319.97	977,241.156	− 343.43	
7038	16	18.87	69	15.50	3811.38	977,317.274	− 369.04	
7039	16	18.95	69	37.87	3890.74	977,295.063	− 375.48	
7040	16	19.09	70	13.70	4454.70	977,159.407	− 398.49	
7041	16	19.31	70	14.92	4408.08	977,169.565	− 397.85	
7042	16	19.52	71	8.99	4320.66	977,246.665	− 338.41	
7043	16	19.53	69	37.64	3897.55	977,292.744	− 376.91	
7044	16	20.25	69	14.50	3835.95	977,316.023	− 366.51	
7045	16	20.25	71	8.45	4312.20	977,249.987	− 337.38	La-Huito-Cementerio
7046	16	20.25	70	15.42	4424.30	977,164.470	− 400.46	
7047	16	20.46	71	9.66	4313.12	977,252.877	− 334.47	
7048	16	20.58	69	37.81	3933.33	977,282.765	− 380.59	
7049	16	20.59	72	8.08	1377.15	978,060.158	− 110.25	
7050	16	20.70	71	10.75	4311.55	977,261.008	− 326.85	Salinas-Lag.

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7051	16	20.74	71	8.65	4306.88	977,256.144	− 332.68	
7052	16	20.97	73	16.76	51.67	978,435.833	4.87	
7053	16	21.00	71	34.00	2564.20	977,701.730	− 234.39	Arequipa-AP
7054	16	21.02	71	11.72	4316.43	977,264.289	− 322.85	
7055	16	21.05	72	8.75	1424.34	978,057.085	− 104.40	
7056	16	21.09	72	8.95	1346.56	978,066.101	− 110.74	Rio-Sihaus
7057	16	21.14	69	38.28	3947.05	977,278.726	− 382.35	
7058	16	21.16	72	7.58	1310.56	978,069.363	− 114.63	
7059	16	21.20	70	15.82	4463.53	977,156.502	− 401.34	
7060	16	21.26	71	12.87	4286.66	977,271.846	− 321.45	
7061	16	21.46	72	9.14	1436.94	978,051.939	− 107.39	Sihuas
7062	16	21.65	71	17.21	4249.91	977,290.210	− 310.75	
7063	16	21.71	71	13.88	4318.58	977,264.841	− 322.43	
7064	16	21.73	69	13.66	3826.20	977,324.078	− 361.60	
7065	16	21.77	72	9.59	1383.12	978,074.073	− 96.12	
7066	16	21.88	71	16.15	4306.35	977,276.108	− 313.75	
7067	16	21.91	70	16.86	4466.77	977,157.932	− 399.84	
7068	16	21.95	69	38.70	3912.41	977,285.915	− 382.73	Sorapa
7069	16	21.98	71	15.05	4360.93	977,260.644	− 318.37	
7070	16	22.14	72	8.21	1437.76	978,051.514	− 108.21	Santa-Rita-de-Sihaus
7071	16	22.21	71	19.04	3833.18	977,385.182	− 299.50	
7072	16	22.33	72	10.52	1354.74	978,085.806	− 90.43	
7073	16	22.53	71	19.44	3722.36	977,410.908	− 296.14	
7074	16	22.56	69	12.89	3837.58	977,322.708	− 361.38	
7075	16	22.60	71	18.34	4258.12	977,288.020	− 312.07	Qda.Tiengo
7076	16	22.65	72	7.12	1443.24	978,049.904	− 109.16	
7077	16	22.66	71	18.76	4184.17	977,305.391	− 309.54	
7078	16	22.67	69	38.76	3921.36	977,284.571	− 382.88	
7079	16	22.92	71	19.13	3956.28	977,356.452	− 304.23	
7080	16	22.93	73	14.96	55.17	978,436.914	5.04	
7081	16	23.01	71	20.69	3450.72	977,473.423	− 288.16	
7082	16	23.09	71	18.90	4080.73	977,330.487	− 305.47	Pte.
7083	16	23.12	71	19.86	3629.25	977,432.531	− 293.57	
7084	16	23.12	72	6.09	1451.52	978,047.632	− 110.18	
7085	16	23.16	71	21.06	3357.09	977,492.728	− 287.62	
7086	16	23.28	71	20.43	3542.65	977,452.236	− 291.25	
7087	16	23.32	69	12.22	3837.27	977,325.392	− 359.37	
7088	16	23.36	71	21.56	3272.24	977,514.321	− 283.08	
7089	16	23.40	70	18.95	4503.74	977,151.493	− 400.08	
7090	16	23.46	72	12.53	1324.87	978,097.425	− 85.62	Pampa-Espiritu
7091	16	23.52	72	12.48	1293.40	978,110.189	− 79.10	
7092	16	23.58	72	5.07	1449.92	978,046.945	− 111.55	
7093	16	23.62	69	39.13	3912.94	977,286.983	− 382.92	
7094	16	23.72	72	4.70	1447.77	978,045.775	− 113.26	Pampas-de-Sinhaus
7095	16	23.76	71	26.45	2858.72	977,623.920	− 256.01	La-Calera
7096	16	23.77	71	32.16	2359.34	977,746.539	− 232.43	Goyoneche-Hostipal
7097	16	23.89	73	8.36	482.23	978,360.959	11.96	
7098	16	23.89	73	8.02	436.19	978,366.953	8.92	
7099	16	23.93	73	8.90	420.94	978,372.936	11.88	
7100	16	23.97	73	7.73	340.84	978,384.078	7.29	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7101	16	23.98	71	30.87	2386.11	977,738.994	− 234.84	
7102	16	24.04	73	7.49	235.69	978,404.825	7.38	
7103	16	24.06	71	25.52	2792.81	977,635.219	− 258.04	
7104	16	24.08	71	22.12	3131.88	977,545.605	− 280.30	
7105	16	24.11	69	11.47	3859.58	977,324.171	− 356.78	
7106	16	24.12	72	13.48	1263.76	978,123.119	− 72.50	
7107	16	24.20	71	23.21	3002.79	977,576.514	− 275.16	Chihuata
7108	16	24.40	73	10.45	183.53	978,416.386	8.44	
7109	16	24.48	72	3.03	1443.04	978,043.877	− 116.71	
7110	16	24.50	69	39.46	3901.82	977,290.415	− 382.42	
7111	16	24.52	71	30.65	2392.50	977,741.167	− 231.85	
7112	16	24.62	71	23.67	2937.80	977,594.673	− 270.25	
7113	16	24.64	71	26.97	2851.33	977,628.159	− 253.96	
7114	16	24.65	71	32.32	2304.11	977,762.165	− 228.46	
7115	16	24.65	71	27.77	2763.16	977,650.838	− 248.79	
7116	16	24.66	71	23.09	2976.74	977,583.718	− 273.50	
7117	16	24.74	72	14.46	1241.74	978,133.777	− 66.68	
7118	16	24.75	71	31.90	2317.72	977,761.603	− 226.41	Hospital-Regional
7119	16	24.76	71	28.82	2584.88	977,692.363	− 242.72	
7120	16	24.81	71	30.22	2432.98	977,732.200	− 233.03	
7121	16	24.88	73	7.18	149.33	978,420.602	5.57	
7122	16	24.90	69	10.65	3892.90	977,320.827	− 354.12	
7123	16	24.94	72	1.97	1431.48	978,043.180	− 120.06	
7124	16	25.05	72	1.66	1427.69	978,041.667	− 122.41	Qda.Molles
7125	16	25.15	71	29.47	2492.73	977,717.946	− 235.72	
7126	16	25.34	69	39.42	3895.14	977,294.009	− 380.85	
7127	16	25.35	72	15.46	1221.46	978,150.445	− 54.50	
7128	16	25.37	71	33.35	2234.68	977,791.280	− 213.68	
7129	16	25.54	72	18.31	1130.60	978,176.535	− 46.45	Pampa-de-Morro
7130	16	25.60	71	31.87	2312.85	977,770.680	− 218.99	
7131	16	25.64	70	20.03	4401.79	977,182.004	− 391.81	
7132	16	25.69	69	9.77	3873.30	977,328.044	− 351.46	
7133	16	25.76	72	18.58	1092.96	978,191.208	− 39.36	
7134	16	25.83	71	59.96	1420.63	978,041.262	− 124.84	
7135	16	25.85	72	16.48	1173.99	978,163.937	− 50.76	
7136	16	26.03	71	34.14	2191.23	977,808.449	− 205.64	
7137	16	26.17	69	38.93	3895.75	977,294.880	− 380.53	
7138	16	26.28	71	58.92	1419.97	978,040.849	− 125.75	
7139	16	26.37	71	31.62	2327.22	977,769.827	− 217.62	
7140	16	26.38	72	19.44	1059.59	978,202.477	− 35.16	
7141	16	26.40	69	9.25	3857.20	977,333.698	− 349.60	
7142	16	26.61	71	58.22	1416.86	978,042.430	− 125.06	Qda.-Impertinent
7143	16	26.77	71	35.08	2172.07	977,814.199	− 204.29	
7144	16	26.85	69	38.64	3904.50	977,294.160	− 380.06	
7145	16	26.99	69	8.76	3813.02	977,346.598	− 346.00	
7146	16	27.00	71	36.37	2103.21	977,830.816	− 201.48	
7147	16	27.05	72	20.42	1017.92	978,215.523	− 30.86	
7148	16	27.05	71	37.08	2196.65	977,816.524	− 197.33	
7149	16	27.15	71	31.64	2279.58	977,782.491	− 215.03	
7150	16	27.20	71	57.13	1404.11	978,044.030	− 126.45	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7151	16	27.24	72	20.75	1030.18	978,215.467	− 28.66	Morro-Sihuas
7152	16	27.55	69	7.96	3811.93	977,348.386	− 344.88	
7153	16	27.64	69	38.49	3907.02	977,294.853	− 379.51	
7154	16	27.68	72	21.31	999.22	978,225.207	− 25.36	
7155	16	27.72	71	29.49	2447.34	977,738.294	− 226.47	IGP-arequipa
7156	16	27.72	73	3.75	143.77	978,420.765	2.33	
7157	16	27.80	71	37.31	2247.79	977,811.361	− 192.98	
7158	16	27.82	71	31.61	2309.97	977,774.052	− 218.00	Socabaya
7159	16	27.97	73	2.67	202.81	978,408.043	0.96	
7160	16	28.18	71	56.92	1280.12	978,074.450	− 121.25	
7161	16	28.18	71	31.59	2305.58	977,774.708	− 218.50	
7162	16	28.21	70	20.58	4357.35	977,196.024	− 388.79	
7163	16	28.23	69	38.93	3907.34	977,295.664	− 379.12	
7164	16	28.55	69	6.98	3811.54	977,353.746	− 340.42	
7165	16	28.64	71	54.39	1256.84	978,075.029	− 125.64	Luis
7166	16	28.65	71	53.85	1303.57	978,062.481	− 128.99	
7167	16	28.75	72	59.54	264.37	978,397.184	1.52	
7168	16	28.81	71	36.63	2332.04	977,797.905	− 190.58	
7169	16	28.85	71	31.41	2352.66	977,764.082	− 220.36	
7170	16	28.88	69	39.07	3915.38	977,296.521	− 377.19	
7171	16	28.91	72	58.30	290.82	978,388.151	− 2.46	
7172	16	29.04	71	30.05	2389.96	977,754.440	− 222.76	
7173	16	29.11	71	52.80	1398.25	978,043.208	− 129.98	
7174	16	29.20	72	23.52	940.29	978,247.784	− 15.62	Pampa-Lagunillas
7175	16	29.20	71	29.16	2441.66	977,741.358	− 225.74	
7176	16	29.28	71	51.79	1467.36	978,025.373	− 134.34	
7177	16	29.53	71	50.22	1536.66	978,006.836	− 139.42	
7178	16	29.53	71	28.50	2477.20	977,731.811	− 228.51	
7179	16	29.58	69	6.15	3813.87	977,361.858	− 332.68	Zepita-Plaz
7180	16	29.58	70	20.73	4360.82	977,195.360	− 389.88	
7181	16	29.67	69	38.92	3925.40	977,294.491	− 377.86	
7182	16	29.74	71	36.32	2423.27	977,781.853	− 189.32	
7183	16	29.76	71	27.23	2735.30	977,676.112	− 233.21	
7184	16	29.90	71	26.60	2809.68	977,658.190	− 236.49	
7185	16	29.99	71	28.27	2636.70	977,699.602	− 229.47	
7186	16	30.33	72	24.96	945.58	978,248.988	− 14.29	
7187	16	30.34	71	36.08	2563.92	977,753.796	− 190.00	
7188	16	30.35	69	5.40	3813.99	977,362.909	− 332.24	
7189	16	30.38	72	24.96	946.57	978,249.886	− 13.25	Pampa-Meadero-Chico
7190	16	30.48	71	48.50	1590.58	977,998.846	− 137.55	
7191	16	30.49	71	25.99	2917.72	977,639.615	− 234.09	
7192	16	30.72	72	55.03	72.71	978,429.559	− 5.24	
7193	16	30.75	70	21.07	4345.60	977,200.461	− 388.77	
7194	16	30.75	71	47.92	1641.29	977,990.885	− 135.73	CO.Vendoito
7195	16	30.78	72	25.89	949.21	978,251.404	− 11.54	
7196	16	30.81	71	23.11	3043.24	977,601.840	− 247.19	Pocsi-Plaza
7197	16	30.84	69	39.03	3924.93	977,294.484	− 378.92	
7198	16	30.91	72	26.99	964.37	978,249.696	− 10.37	
7199	16	30.92	71	23.55	3027.72	977,607.941	− 244.26	
7200	16	30.99	71	22.64	3116.57	977,586.503	− 248.09	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7201	16	31.00	71	25.44	3008.23	977,620.472	− 235.67	
7202	16	31.05	71	47.54	1632.22	977,991.309	− 137.34	
7203	16	31.05	69	4.75	3814.42	977,366.318	− 329.32	
7204	16	31.14	71	24.47	3027.42	977,614.436	− 238.01	
7205	16	31.16	71	36.35	2660.01	977,737.872	− 187.54	
7206	16	31.28	72	28.08	1002.04	978,244.653	− 8.31	
7207	16	31.33	69	39.57	3934.85	977,294.355	− 377.47	
7208	16	31.44	71	45.89	1763.90	977,964.686	− 138.29	Co.Chascoso
7209	16	31.44	71	21.84	3172.84	977,572.975	− 250.81	
7210	16	31.50	71	46.82	1709.45	977,978.291	− 135.49	Reparticion
7211	16	31.53	71	45.75	1768.64	977,962.657	− 139.46	
7212	16	31.55	71	37.26	2560.30	977,765.476	− 180.03	
7213	16	31.66	72	29.18	984.67	978,250.666	− 6.03	
7214	16	31.75	69	39.84	3937.03	977,294.607	− 377.12	Chillihua
7215	16	31.76	70	21.91	4343.75	977,203.893	− 386.54	
7216	16	31.80	69	4.00	3810.41	977,366.804	− 330.25	
7217	16	31.86	71	21.26	3164.60	977,576.367	− 249.40	
7218	16	31.98	72	30.25	973.33	978,254.026	− 5.15	
7219	16	31.99	71	43.71	1883.70	977,939.601	− 140.17	
7220	16	32.09	72	31.49	1000.17	978,249.653	− 4.34	
7221	16	32.14	71	48.18	1619.54	977,999.743	− 132.30	
7222	16	32.30	69	3.30	3810.70	977,368.440	− 328.96	
7223	16	32.30	71	42.58	1965.18	977,917.507	− 146.42	
7224	16	32.34	71	41.65	2046.52	977,893.858	− 154.02	
7225	16	32.38	71	37.58	2696.29	977,743.048	− 176.16	
7226	16	32.40	72	34.88	827.13	978,281.193	− 7.07	
7227	16	32.44	72	33.73	964.56	978,256.880	− 4.41	
7228	16	32.47	72	32.57	983.22	978,253.628	− 4.01	
7229	16	32.48	70	22.75	4342.31	977,206.686	− 384.63	
7230	16	32.53	69	39.92	3941.93	977,294.107	− 377.29	
7231	16	32.59	71	40.94	2145.35	977,872.024	− 156.51	CO.de-San-Jose
7232	16	32.63	72	36.11	695.34	978,303.097	− 11.23	
7233	16	32.66	71	20.93	3158.89	977,582.319	− 245.23	
7234	16	32.73	71	38.05	2611.68	977,764.193	− 172.09	
7235	16	32.98	71	20.83	3174.56	977,580.837	− 243.86	
7236	16	33.00	69	2.50	3812.72	977,372.932	− 324.64	Desaguadero
7237	16	33.00	71	48.92	1561.55	978,017.310	− 126.88	
7238	16	33.15	71	38.72	2433.98	977,808.074	− 163.78	Las-Cruces
7239	16	33.30	72	50.18	30.71	978,429.103	− 16.03	
7240	16	33.31	72	37.14	734.80	978,298.624	− 8.52	Co.Posto-Ruiz
7241	16	33.33	69	39.90	3939.25	977,297.311	− 375.28	
7242	16	33.46	71	20.24	3230.97	977,570.693	− 243.17	
7243	16	33.46	71	19.68	3290.15	977,558.863	− 243.23	
7244	16	33.63	69	2.09	3809.13	977,371.492	− 327.32	Boundary-Bolivia
7245	16	33.65	69	2.35	3809.37	977,371.241	− 327.53	Desaguadero-Plaza
7246	16	33.83	71	19.18	3289.93	977,560.872	− 241.57	
7247	16	33.83	71	49.60	1498.60	978,033.623	− 123.66	
7248	16	34.00	69	40.35	3939.41	977,295.257	− 377.85	
7249	16	34.20	71	18.49	3306.77	977,556.668	− 242.72	
7250	16	34.50	72	48.22	28.48	978,425.217	− 21.33	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7251	16	34.55	72	37.66	490.56	978,335.609	− 20.47	
7252	16	34.55	71	17.67	3346.62	977,546.756	− 244.99	
7253	16	34.64	69	40.83	3938.43	977,287.686	− 386.14	
7254	16	34.84	71	15.87	3439.27	977,523.055	− 250.48	Tacmolle
7255	16	34.92	71	13.77	3468.19	977,510.622	− 257.22	
7256	16	34.95	71	14.15	3383.75	977,531.288	− 253.40	
7257	16	34.99	71	14.94	3360.18	977,539.916	− 249.50	
7258	16	35.06	71	50.61	1450.25	978,056.229	− 111.60	
7259	16	35.19	72	37.74	401.61	978,351.524	− 22.53	Pampa-Vari-Pampa
7260	16	35.55	72	37.84	350.18	978,357.863	− 26.57	
7261	16	35.62	71	12.90	3538.43	977,498.639	− 255.78	
7262	16	35.64	69	41.49	3946.67	977,286.305	− 386.70	
7263	16	35.70	72	42.00	64.00	978,433.162	− 7.43	Camana-AP
7264	16	35.71	71	12.58	3466.64	977,514.511	− 254.29	
7265	16	35.80	72	46.44	32.21	978,425.778	− 21.11	
7266	16	36.39	69	42.03	3949.09	977,288.179	− 384.95	
7267	16	36.44	71	12.20	3351.26	977,544.440	− 247.94	
7268	16	36.51	71	11.32	3173.57	977,576.575	− 251.22	
7269	16	36.68	70	24.30	4283.83	977,231.740	− 374.73	
7270	16	36.74	71	10.34	3134.86	977,576.619	− 259.07	
7271	16	36.87	71	11.03	3161.52	977,577.177	− 253.32	
7272	16	37.09	69	42.50	3950.16	977,290.111	− 383.39	
7273	16	37.14	71	4.27	2793.29	977,616.136	− 287.75	
7274	16	37.24	72	42.51	12.48	978,439.539	− 12.40	Camana-Plaza
7275	16	37.39	71	10.12	3210.31	977,563.659	− 257.55	
7276	16	37.46	71	3.76	2686.98	977,641.845	− 283.39	
7277	16	37.86	71	9.79	3248.21	977,557.774	− 256.29	
7278	16	38.12	71	52.19	1339.94	978,107.984	− 84.10	
7279	16	38.12	71	8.60	3142.27	977,575.467	− 259.88	
7280	16	38.13	71	9.09	3212.44	977,564.431	− 256.97	
7281	16	38.14	71	2.91	2489.16	977,679.667	− 285.36	
7282	16	38.24	71	3.15	2587.97	977,663.411	− 282.11	
7283	16	38.32	71	2.54	2390.13	977,697.468	− 287.32	
7284	16	38.34	71	3.79	3001.30	977,581.647	− 281.91	
7285	16	38.41	71	1.48	2308.87	977,709.358	− 291.60	
7286	16	38.54	71	5.79	3352.65	977,523.825	− 270.01	
7287	16	38.59	71	1.93	2318.90	977,711.987	− 287.14	
7288	16	38.64	69	42.70	3949.37	977,292.246	− 382.69	
7289	16	38.67	71	5.40	3360.25	977,522.559	− 269.87	
7290	16	38.73	71	1.12	2299.40	977,714.388	− 288.72	Coalaque-Plaza
7291	16	38.75	71	6.35	3258.88	977,546.957	− 265.71	
7292	16	38.81	71	0.43	2382.39	977,695.896	− 290.83	
7293	16	38.82	72	37.46	106.27	978,405.528	− 29.36	
7294	16	38.89	72	37.56	98.88	978,408.392	− 28.00	Pampa-de-Morrengo
7295	16	38.95	71	4.63	3211.88	977,553.336	− 268.85	
7296	16	38.99	71	8.57	3160.95	977,577.828	− 254.53	
7297	16	39.03	71	8.11	3091.09	977,589.598	− 256.68	
7298	16	39.05	71	6.61	3240.70	977,552.593	− 263.94	
7299	16	39.07	71	4.40	3148.18	977,561.555	− 273.40	
7300	16	39.09	70	59.98	2464.13	977,681.968	− 288.80	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7301	16	39.18	71	7.55	3130.41	977,579.997	− 258.59	
7302	16	39.19	69	42.57	3950.08	977,292.240	− 383.00	
7303	16	39.19	71	52.18	1316.24	978,118.340	− 79.29	
7304	16	39.27	71	7.13	3153.70	977,574.214	− 259.81	
7305	16	39.38	70	59.61	2346.06	977,707.945	− 286.45	
7306	16	39.70	70	59.18	2225.32	977,729.011	− 289.55	
7307	16	40.01	70	58.60	2197.03	977,733.421	− 291.00	
7308	16	40.24	69	42.46	3947.02	977,294.441	− 382.28	
7309	16	40.24	70	59.00	2097.03	977,756.843	− 287.55	
7310	16	40.25	70	58.17	2169.12	977,738.084	− 292.06	Omate-Plaza
7311	16	40.28	71	52.15	1292.01	978,127.728	− 75.58	
7312	16	40.71	70	59.12	2016.65	977,776.600	− 284.07	
7313	16	40.80	69	42.62	3948.45	977,296.932	− 379.97	
7314	16	41.38	71	52.13	1273.16	978,134.719	− 73.21	
7315	16	41.61	70	59.48	1940.67	977,802.041	− 274.40	
7316	16	41.69	69	42.45	3959.14	977,296.366	− 379.14	
7317	16	42.41	70	59.70	1764.22	977,843.508	− 268.44	
7318	16	42.62	71	52.12	1256.15	978,143.822	− 68.48	
7319	16	42.74	70	59.72	1709.06	977,855.700	− 267.42	
7320	16	42.76	69	42.58	3963.88	977,295.223	− 380.22	
7321	16	43.53	69	42.69	3966.75	977,296.477	− 379.03	
7322	16	43.54	71	51.66	1218.98	978,161.413	− 58.97	
7323	16	43.55	71	0.02	1591.98	977,884.748	− 262.14	
7324	16	43.86	71	52.10	1235.77	978,154.834	− 62.51	
7325	16	43.94	71	0.09	1527.10	977,898.091	− 261.91	
7326	16	44.10	71	52.32	1202.45	978,169.706	− 54.40	
7327	16	44.38	69	42.93	3968.42	977,296.152	− 379.73	
7328	16	44.64	71	0.01	1458.35	977,912.877	− 261.26	
7329	16	45.17	70	59.64	1387.92	977,926.331	− 262.13	
7330	16	45.52	71	54.00	1172.94	978,190.417	− 40.67	
7331	16	45.90	69	43.44	3969.82	977,294.446	− 382.42	
7332	16	45.96	70	58.26	1354.90	977,923.066	− 272.55	
7333	16	46.07	70	56.36	1431.14	977,895.495	− 285.19	
7334	16	46.22	70	55.38	1456.10	977,891.695	− 284.20	
7335	16	46.23	71	54.83	1155.64	978,201.466	− 33.62	
7336	16	46.38	70	57.33	1406.86	977,909.323	− 276.41	
7337	16	46.41	70	54.86	1465.90	977,890.159	− 283.96	
7338	16	46.62	69	43.61	3970.02	977,291.374	− 386.05	
7339	16	46.73	70	54.47	1571.51	977,875.334	− 278.23	
7340	16	47.00	71	55.71	1148.12	978,209.926	− 27.27	
7341	16	47.32	70	54.15	1649.59	977,865.598	− 273.05	
7342	16	47.39	71	51.99	1199.13	978,180.916	− 46.57	
7343	16	47.68	69	43.57	3982.49	977,289.503	− 386.31	
7344	16	47.72	71	56.57	1142.31	978,216.919	− 22.02	
7345	16	47.97	70	54.14	1651.98	977,864.083	− 274.64	
7346	16	48.30	71	51.78	1180.22	978,189.489	− 42.48	
7347	16	48.45	71	57.41	1141.90	978,222.870	− 16.76	
7348	16	48.45	70	53.30	1688.59	977,857.085	− 274.81	
7349	16	48.45	69	43.73	3980.69	977,289.533	− 387.28	
7350	16	48.85	70	53.50	1782.06	977,836.273	− 277.50	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7351	16	49.15	71	58.29	1154.38	978,226.314	− 11.45	
7352	16	49.23	71	51.57	1151.14	978,199.694	− 38.77	
7353	16	49.24	70	53.65	1878.69	977,817.752	− 277.26	
7354	16	49.67	70	53.65	1961.70	977,801.811	− 277.16	
7355	16	49.70	69	43.52	3983.67	977,291.146	− 386.11	
7356	16	49.89	71	59.10	1166.15	978,228.999	− 7.06	
7357	16	50.14	71	51.34	1130.74	978,206.171	− 37.06	
7358	16	50.67	71	59.97	1160.33	978,231.066	− 6.79	
7359	16	51.01	70	54.04	2330.86	977,746.135	− 260.92	
7360	16	51.11	69	43.23	3990.85	977,290.131	− 386.87	
7361	16	51.13	71	51.09	1111.17	978,213.025	− 34.88	
7362	16	51.40	70	54.39	2385.41	977,741.070	− 255.51	
7363	16	51.72	69	43.20	4001.04	977,289.075	− 386.39	
7364	16	51.95	70	54.67	2425.92	977,739.493	− 249.52	
7365	16	51.98	71	50.93	1087.84	978,220.411	− 32.79	
7366	16	52.32	70	54.77	2370.41	977,754.145	− 246.17	
7367	16	52.77	70	54.87	2399.51	977,751.674	− 243.25	
7368	16	52.79	71	50.76	1077.58	978,225.731	− 30.17	
7369	16	53.10	69	42.45	4004.54	977,290.134	− 385.79	Challapaita
7370	16	53.28	70	54.81	2462.95	977,740.844	− 241.94	
7371	16	53.52	71	50.47	1075.34	978,228.350	− 28.61	
7372	16	53.85	70	54.66	2519.89	977,731.178	− 240.80	
7373	16	54.18	69	42.31	4008.27	977,291.081	− 385.00	
7374	16	54.27	71	50.14	1092.31	978,227.465	− 26.77	
7375	16	54.43	70	54.47	2604.74	977,714.245	− 241.39	
7376	16	54.79	70	54.12	2702.60	977,695.711	− 240.82	
7377	16	54.92	70	53.58	2790.30	977,679.003	− 240.23	
7378	16	54.99	71	49.70	1069.71	978,232.671	− 26.62	
7379	16	55.31	69	42.35	4014.07	977,294.490	− 381.38	
7380	16	55.60	71	49.22	1020.69	978,243.759	− 25.68	
7381	16	55.74	70	53.24	2968.65	977,646.055	− 238.45	
7382	16	56.25	70	53.10	3035.82	977,628.773	− 242.81	
7383	16	56.27	71	48.67	991.83	978,252.703	− 22.98	
7384	16	56.35	69	42.31	4024.22	977,291.628	− 383.08	
7385	16	56.67	70	52.88	3099.48	977,616.182	− 243.09	
7386	16	56.88	71	48.16	975.09	978,259.584	− 19.90	
7387	16	57.08	70	51.94	3197.71	977,597.399	− 242.69	
7388	16	57.23	69	41.84	4040.43	977,288.973	− 383.24	
7389	16	57.51	71	47.64	975.07	978,262.949	− 17.07	
7390	16	57.54	70	50.61	2976.12	977,646.296	− 238.23	
7391	16	57.54	70	51.01	3068.63	977,622.847	− 243.29	
7392	16	57.82	70	50.42	2893.60	977,662.246	− 238.91	
7393	16	58.15	70	50.61	2837.33	977,675.717	− 236.89	
7394	16	58.16	69	41.71	4062.07	977,286.852	− 381.81	
7395	16	58.17	71	47.07	997.56	978,260.476	− 15.67	
7396	16	58.63	71	46.38	1000.43	978,260.160	− 15.81	
7397	16	58.64	70	50.80	2755.20	977,697.644	− 231.67	
7398	16	58.81	71	45.96	930.35	978,271.725	− 18.17	
7399	16	58.86	71	44.98	726.48	978,308.427	− 21.56	
7400	16	59.03	71	46.05	841.31	978,289.868	− 17.71	

Appendix. (continued)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7401	16	59.10	70	51.13	2700.59	977,710.143	− 230.40	
7402	16	59.33	71	44.13	636.49	978,324.016	− 24.04	
7403	16	59.46	69	41.99	4090.26	977,281.289	− 382.83	
7404	16	59.58	71	43.23	559.48	978,337.794	− 25.58	
7405	16	59.59	70	51.12	2628.79	977,719.764	− 235.43	
7406	16	59.88	72	5.77	61.52	978,468.711	7.53	
7407	16	59.91	72	5.31	91.88	978,464.063	8.79	
7408	16	59.92	70	50.87	2555.12	977,732.105	− 237.97	
7409	17	0.05	72	3.96	162.35	978,450.503	8.91	
7410	17	0.10	72	2.69	128.48	978,455.074	6.81	
7411	17	0.12	71	42.50	462.47	978,355.051	− 27.80	
7412	17	0.30	69	42.00	4141.74	977,273.272	− 381.26	
7413	17	0.31	72	1.44	125.00	978,455.569	6.45	
7414	17	0.47	70	50.90	2628.16	977,721.038	− 235.02	
7415	17	0.48	71	42.52	374.79	978,372.709	− 27.63	
7416	17	0.81	70	51.10	2692.66	977,711.634	− 231.92	
7417	17	0.88	72	0.68	89.90	978,464.614	8.15	
7418	17	1.06	71	42.61	304.03	978,386.503	− 28.19	
7419	17	1.12	70	51.05	2723.12	977,705.294	− 232.47	
7420	17	1.20	69	41.95	4155.22	977,270.430	− 382.17	
7421	17	1.28	71	42.67	235.09	978,400.395	− 27.99	
7422	17	1.45	70	50.82	2652.76	977,719.281	− 232.72	
7423	17	1.75	71	42.23	165.78	978,415.466	− 26.88	
7424	17	1.86	70	51.17	2572.41	977,734.619	− 233.67	
7425	17	2.21	70	50.97	2480.76	977,755.044	− 231.71	
7426	17	2.25	69	41.90	4186.60	977,264.232	− 382.98	
7427	17	2.73	70	51.24	2483.02	977,759.799	− 226.94	
7428	17	2.98	70	51.52	2513.88	977,757.312	− 223.52	
7429	17	3.46	70	51.62	2457.96	977,770.780	− 221.54	
7430	17	3.72	71	56.61	4.23	978,481.996	6.38	
7431	17	3.75	69	41.95	4203.64	977,260.545	− 384.52	
7432	17	3.75	71	42.94	115.21	978,425.869	− 28.07	
7433	17	3.90	70	50.83	2275.04	977,807.417	− 221.50	
7434	17	4.17	70	50.32	2189.91	977,820.113	− 225.88	
7435	17	4.18	71	41.71	252.15	978,400.480	− 27.01	
7436	17	4.36	70	50.52	2187.57	977,823.198	− 223.41	Torata-Plaza
7437	17	4.42	71	45.37	156.01	978,426.579	− 19.94	
7438	17	4.44	71	33.51	856.45	978,273.409	− 35.75	
7439	17	4.55	71	41.00	443.97	978,363.703	− 26.51	
7440	17	4.58	71	55.26	3.85	978,481.732	5.31	
7441	17	4.72	71	34.63	772.26	978,294.941	− 30.99	
7442	17	4.90	69	41.70	4235.49	977,256.393	− 383.27	
7443	17	5.12	71	41.37	624.20	978,334.058	− 21.28	
7444	17	5.17	71	35.92	732.42	978,305.718	− 28.42	
7445	17	5.28	71	45.73	73.04	978,450.100	− 13.38	Cocachacra-Plaz
7446	17	5.32	71	40.94	702.76	978,318.746	− 21.34	
7447	17	5.52	71	37.86	787.28	978,296.698	− 26.96	
7448	17	5.74	71	40.84	762.18	978,305.517	− 23.25	
7449	17	5.75	69	42.20	4287.70	977,242.242	− 387.70	
7450	17	5.90	71	31.81	817.54	978,285.917	− 32.11	

Appendix. (*continued*)

No.	Latitude °	Latitude ′	Longitude °	Longitude ′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7451	17	5.91	71	54.37	6.58	978,476.220	− 0.80	
7452	17	6.40	69	42.40	4357.43	977,228.464	− 388.07	
7453	17	7.00	71	30.51	829.20	978,276.993	− 39.68	
7454	17	7.22	71	52.98	2.32	978,470.573	− 8.38	
7455	17	7.25	69	43.05	4399.65	977,223.389	− 385.42	
7456	17	7.78	71	51.16	4.97	978,478.836	− 0.07	
7457	17	8.14	71	50.29	10.50	978,477.346	− 0.78	
7458	17	8.15	69	43.60	4417.23	977,221.556	− 384.49	
7459	17	8.32	71	29.00	843.34	978,271.548	− 43.46	
7460	17	8.37	70	53.21	1946.65	977,888.291	− 209.36	
7461	17	8.44	71	49.20	17.10	978,471.763	− 5.33	
7462	17	9.25	69	43.50	4416.47	977,226.062	− 381.07	
7463	17	9.84	71	27.90	857.07	978,268.600	− 45.00	
7464	17	10.00	69	44.25	4373.60	977,241.204	− 375.14	
7465	17	10.54	71	26.18	873.25	978,263.531	− 47.48	
7466	17	10.62	70	55.63	1447.76	978,025.501	− 172.52	Moquegua-AP
7467	17	11.00	69	45.05	4361.93	977,248.028	− 371.50	
7468	17	11.44	71	1.03	1403.24	978,080.263	− 127.22	
7469	17	11.65	69	45.50	4342.09	977,250.690	− 373.37	
7470	17	12.18	71	23.00	1089.67	978,221.765	− 48.09	
7471	17	12.30	70	58.96	1262.45	978,094.711	− 141.24	
7472	17	12.35	71	3.10	1248.05	978,122.151	− 116.68	
7473	17	12.45	69	46.05	4322.47	977,255.147	− 373.51	
7474	17	12.50	71	5.03	1322.99	978,112.280	− 111.92	
7475	17	12.51	70	57.97	1244.81	978,090.840	− 148.76	
7476	17	12.57	71	4.02	1237.41	978,128.765	− 112.35	
7477	17	12.59	71	6.52	1450.12	978,092.958	− 106.27	
7478	17	12.65	71	1.52	1326.13	978,101.700	− 122.01	
7479	17	13.25	69	46.75	4305.65	977,257.341	− 375.36	
7480	17	13.75	69	47.70	4245.63	977,265.550	− 379.59	
7481	17	14.28	71	7.35	1362.69	978,116.257	− 101.63	
7482	17	14.50	69	47.80	4274.60	977,256.738	− 383.24	
7483	17	14.69	71	14.95	1359.81	978,133.053	− 85.76	
7484	17	14.94	71	9.09	1281.63	978,144.744	− 89.67	
7485	17	15.22	71	13.20	1394.71	978,125.423	− 86.96	
7486	17	15.30	69	48.25	4275.52	977,258.650	− 381.83	
7487	17	16.03	71	9.98	1395.56	978,130.714	− 82.19	
7488	17	16.30	69	49.20	4341.39	977,246.854	− 381.30	
7489	17	17.50	69	50.30	4470.04	977,223.691	− 379.73	
7490	17	18.00	69	50.45	4522.61	977,214.884	− 378.44	
7491	17	18.45	69	50.60	4603.37	977,199.755	− 377.77	
7492	17	18.70	69	50.35	4655.06	977,188.208	− 379.17	
7493	17	18.85	69	51.35	4723.01	977,175.636	− 378.25	
7494	17	19.50	69	52.45	4777.14	977,163.054	− 380.53	
7495	17	19.60	69	51.65	4783.05	977,160.191	− 382.30	
7496	17	20.15	69	52.75	4740.38	977,172.899	− 378.61	
7497	17	20.90	69	52.90	4677.99	977,189.850	− 374.81	
7498	17	21.75	69	52.85	4609.91	977,207.268	− 371.77	
7499	17	22.45	69	53.75	4565.04	977,219.883	− 368.74	
7500	17	22.80	69	54.35	4655.99	977,202.559	− 368.14	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7501	17	23.30	69	55.45	4702.48	977,198.040	− 363.77	
7502	17	23.70	69	55.50	4617.57	977,216.978	− 362.19	
7503	17	23.85	69	54.65	4553.11	977,226.135	− 366.08	
7504	17	23.90	69	54.65	4543.41	977,234.410	− 359.79	
7505	17	24.35	69	55.30	4498.28	977,246.765	− 356.86	
7506	17	25.00	69	55.30	4513.94	977,244.938	− 356.11	
7507	17	25.30	69	56.00	4523.17	977,251.375	− 348.08	
7508	17	25.50	69	57.70	4235.76	977,315.219	− 341.93	
7509	17	25.50	69	57.40	4378.79	977,286.057	− 342.48	
7510	17	25.75	69	57.90	4163.54	977,330.828	− 340.98	
7511	17	25.75	69	56.65	4479.99	977,264.521	− 343.97	
7512	17	25.95	69	58.20	4063.21	977,354.590	− 337.44	
7513	17	26.10	69	57.15	4304.62	977,303.215	− 340.68	
7514	17	26.25	69	58.95	3789.30	977,417.852	− 329.13	
7515	17	26.25	69	58.25	3980.60	977,374.085	− 334.71	
7516	17	26.35	69	59.30	3712.58	977,434.902	− 327.48	
7517	17	26.45	69	59.95	3620.83	977,452.939	− 327.82	
7518	17	26.50	69	58.70	3878.64	977,397.334	− 332.04	
7519	17	26.66	70	0.27	3523.44	977,474.854	− 325.50	
7520	17	26.85	70	0.67	3463.77	977,487.711	− 324.69	
7521	17	27.18	70	1.18	3367.34	977,507.780	− 324.11	
7522	17	27.33	70	1.82	3295.71	977,524.005	− 322.27	
7523	17	27.61	70	1.90	3207.29	977,544.160	− 319.95	
7524	17	27.78	70	1.98	3102.74	977,567.517	− 317.54	
7525	17	27.81	70	1.30	3037.01	977,573.378	− 324.76	
7526	17	28.29	70	1.84	3067.85	977,575.156	− 317.27	
7527	17	28.51	70	1.94	3052.93	977,579.515	− 316.07	
7528	17	29.20	70	2.02	3035.87	977,587.926	− 311.64	
7529	17	30.16	70	1.84	3089.88	977,580.937	− 308.72	
7530	17	30.65	70	2.06	3114.84	977,584.052	− 301.06	
7531	17	31.24	70	1.90	3040.14	977,601.173	− 299.30	
7532	17	31.60	70	1.92	2970.55	977,614.541	− 300.07	
7533	17	31.84	70	1.92	2966.45	977,616.763	− 298.88	
7534	17	32.27	70	1.56	3007.67	977,612.899	− 294.92	
7535	17	32.48	70	1.51	3092.63	977,598.679	− 292.43	
7536	17	33.02	70	1.59	3297.09	977,564.960	− 285.95	
7537	17	33.21	70	1.68	3381.44	977,547.641	− 286.64	
7538	17	33.90	70	1.79	3502.93	977,532.106	− 278.57	
7539	17	34.42	71	6.16	905.31	978,276.024	− 49.15	
7540	17	34.44	71	5.31	933.06	978,269.776	− 49.96	
7541	17	34.49	71	4.36	963.36	978,264.590	− 49.23	
7542	17	34.53	70	1.84	3404.63	977,554.783	− 276.02	
7543	17	34.54	71	3.39	1003.33	978,256.360	− 49.64	
7544	17	34.56	71	2.55	1031.57	978,250.720	− 49.76	
7545	17	34.87	71	7.57	834.09	978,290.487	− 49.07	
7546	17	34.93	71	1.73	1010.76	978,252.636	− 52.25	
7547	17	35.07	70	2.27	3275.15	977,584.602	− 272.44	Palquilla
7548	17	35.24	71	8.36	768.14	978,300.921	− 51.91	
7549	17	35.86	71	9.03	709.35	978,310.331	− 54.58	
7550	17	35.99	70	3.44	3134.15	977,619.235	− 266.66	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7551	17	36.45	71	9.49	668.46	978,315.787	− 57.66	
7552	17	36.81	71	9.86	647.68	978,316.971	− 60.88	
7553	17	36.82	70	3.51	3048.42	977,638.537	− 265.12	
7554	17	37.16	71	10.68	603.70	978,322.116	− 64.66	
7555	17	37.49	70	3.64	3000.57	977,651.282	− 262.47	
7556	17	37.55	71	11.39	598.18	978,324.542	− 63.66	
7557	17	37.74	71	11.87	598.04	978,324.608	− 63.78	
7558	17	38.04	70	4.07	2915.75	977,676.673	− 254.40	
7559	17	38.39	71	20.60	5.31	978,469.895	− 35.18	
7560	17	38.76	71	20.28	74.47	978,453.250	− 38.62	Pozo-de-agua
7561	17	39.01	71	12.90	601.41	978,323.781	− 65.05	
7562	17	39.16	70	4.60	2741.43	977,721.020	− 245.64	
7563	17	39.35	71	20.40	148.50	978,441.184	− 36.71	
7564	17	39.39	71	19.62	167.37	978,432.917	− 41.32	
7565	17	39.48	71	18.61	165.44	978,426.056	− 48.63	
7566	17	39.49	71	17.77	196.08	978,417.275	− 51.43	
7567	17	39.62	71	13.20	577.61	978,327.620	− 66.41	
7568	17	39.89	71	17.49	229.54	978,409.089	− 53.40	
7569	17	40.21	70	4.79	2683.14	977,740.641	− 238.50	
7570	17	40.33	71	13.59	584.45	978,325.150	− 68.16	
7571	17	40.63	71	17.35	271.84	978,400.446	− 54.41	
7572	17	40.86	71	14.08	574.04	978,328.040	− 67.77	
7573	17	41.04	71	16.81	342.25	978,386.746	− 54.67	
7574	17	41.30	70	5.63	2488.84	977,781.890	− 236.72	
7575	17	41.80	71	18.14	22.96	978,460.950	− 43.64	
7576	17	42.16	70	6.95	2357.92	977,811.439	− 233.86	
7577	17	42.76	70	8.00	2211.58	977,845.868	− 228.93	
7578	17	42.78	71	17.63	25.03	978,455.146	− 49.89	
7579	17	43.39	71	16.91	51.47	978,448.828	− 51.57	
7580	17	43.42	70	8.47	2109.32	977,871.316	− 224.29	
7581	17	43.82	71	16.06	45.78	978,446.197	− 55.69	
7582	17	44.35	70	9.01	2156.67	977,869.835	− 217.21	
7583	17	44.38	71	15.01	20.50	978,446.837	− 60.48	
7584	17	44.73	70	9.54	2080.54	977,889.115	− 213.32	
7585	17	45.36	70	10.27	1969.83	977,914.524	− 210.35	
7586	17	45.76	70	10.88	1835.88	977,946.120	− 205.56	
7587	17	46.68	71	10.28	49.99	978,436.081	− 67.48	
7588	17	47.06	70	11.81	1621.11	977,992.285	− 202.94	
7589	17	47.64	70	12.29	1670.06	977,984.159	− 201.91	
7590	17	48.74	70	12.84	1515.86	978,021.632	− 195.81	
7591	17	49.50	70	13.14	1406.86	978,048.480	− 191.12	
7592	17	49.64	71	6.80	26.73	978,465.672	− 45.03	
7593	17	50.58	70	13.45	1312.06	978,071.121	− 188.10	
7594	17	50.73	71	5.32	52.33	978,465.882	− 40.77	
7595	17	51.25	71	4.55	93.30	978,462.218	− 36.87	
7596	17	51.37	70	13.99	1205.91	978,098.784	− 182.03	
7597	17	52.05	70	59.95	32.63	978,460.790	− 50.87	
7598	17	52.50	71	1.37	29.24	978,470.334	− 42.38	
7599	17	52.57	70	14.57	1176.18	978,107.456	− 180.27	
7600	17	52.63	70	59.26	26.47	978,459.659	− 53.72	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7601	17	52.96	70	58.90	35.74	978,457.110	− 54.74	
7602	17	53.16	70	14.94	1115.90	978,125.400	− 174.71	
7603	17	53.49	70	58.26	48.07	978,457.086	− 52.82	
7604	17	54.11	70	57.45	40.52	978,459.530	− 52.40	
7605	17	54.24	70	15.16	1062.14	978,142.004	− 169.63	
7606	17	54.76	70	56.13	27.11	978,462.603	− 52.52	
7607	17	54.96	70	15.19	1027.85	978,152.357	− 166.65	
7608	17	55.39	70	55.29	14.27	978,468.302	− 49.89	
7609	17	55.87	70	15.32	986.36	978,165.805	− 162.16	
7610	17	55.97	70	54.56	18.50	978,470.108	− 47.77	
7611	17	56.57	70	54.19	48.30	978,466.616	− 45.96	
7612	17	56.85	70	15.08	910.22	978,186.120	− 157.68	
7613	17	57.52	70	53.52	18.89	978,474.093	− 45.07	
7614	17	58.14	70	15.19	843.21	978,204.896	− 153.21	
7615	17	58.22	70	53.18	56.82	978,469.758	− 42.60	
7616	17	58.96	70	14.80	640.08	978,250.931	− 147.79	
7617	17	59.33	70	52.80	19.31	978,481.009	− 39.67	
7618	17	59.99	70	15.17	564.31	978,276.426	− 138.06	Tacna-Dv.
7619	18	0.42	70	52.74	104.52	978,464.585	− 40.38	
7620	18	0.50	70	15.00	552.67	978,284.381	− 132.85	Tacna-2-de-Mayo-Plaza
7621	18	0.82	70	51.85	121.96	978,457.916	− 43.99	
7622	18	1.25	70	51.10	75.18	978,469.953	− 41.49	
7623	18	1.45	70	50.24	52.33	978,477.710	− 38.38	
7624	18	1.78	70	49.29	74.96	978,474.031	− 37.92	
7625	18	2.13	70	48.47	77.13	978,477.143	− 34.69	
7626	18	2.79	70	47.75	49.25	978,488.332	− 29.55	
7627	18	2.97	70	16.58	447.10	978,319.219	− 120.89	Tacna-AP
7628	18	3.34	70	46.93	56.15	978,487.317	− 29.70	
7629	18	3.95	70	46.34	54.14	978,490.196	− 27.75	
7630	18	4.70	70	45.24	21.35	978,499.892	− 25.14	
7631	18	4.70	70	19.20	322.26	978,360.646	− 105.47	
7632	18	5.00	70	18.50	327.81	978,358.915	− 106.38	
7633	18	5.18	70	44.65	19.53	978,500.974	− 24.84	
7634	18	5.54	70	44.05	19.21	978,502.539	− 23.66	
7635	18	5.60	70	20.00	284.42	978,373.814	− 100.52	
7636	18	6.25	70	20.80	250.48	978,386.254	− 95.30	
7637	18	6.31	70	43.33	15.27	978,504.878	− 22.77	
7638	18	7.00	70	21.80	218.55	978,397.602	− 90.87	
7639	18	7.50	70	22.75	186.52	978,409.005	− 86.19	
7640	18	7.80	70	23.85	157.56	978,420.020	− 81.11	
7641	18	7.86	70	41.67	10.54	978,505.912	− 24.04	
7642	18	8.25	70	24.95	140.07	978,427.357	− 77.59	
7643	18	8.63	70	40.93	17.58	978,504.466	− 24.79	
7644	18	8.90	70	25.90	123.31	978,435.089	− 73.72	
7645	18	9.25	70	40.60	19.08	978,504.720	− 24.80	
7646	18	9.44	70	40.12	8.50	978,504.669	− 27.08	
7647	18	9.50	70	26.80	101.52	978,446.797	− 66.81	
7648	18	9.74	70	39.10	20.50	978,505.930	− 23.74	
7649	18	10.31	70	38.22	17.97	978,509.350	− 21.33	
7650	18	10.67	70	37.55	14.46	978,513.727	− 17.96	

Appendix. (continued)

No.	Latitude °	′	Longitude °	′	Height, m	Observed Gravity, mgal	Bouguer Anomaly, mgal	Remarks
7651	18	10.85	70	28.70	72.51	978,467.510	− 52.98	
7652	18	11.02	70	36.73	13.91	978,515.951	− 16.16	
7653	18	11.49	70	35.75	13.90	978,519.596	− 12.93	
7654	18	11.55	70	19.55	146.54	978,385.554	− 121.07	Pte.
7655	18	11.96	70	34.73	9.82	978,519.260	− 14.48	
7656	18	12.46	70	33.70	16.92	978,515.958	− 16.84	
7657	18	12.48	70	31.04	46.29	978,485.305	− 41.77	
7658	18	13.02	70	32.75	23.83	978,511.005	− 20.94	
7659	18	13.15	70	31.95	34.33	978,499.595	− 30.41	

A density of 2.67 g/cm^3 is assumed. Gravity stations are numbered in the increasing order of latitude.