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PRINCIPAL FACTS AND A DISCUSSION OF TERRAIN CORRECTION METHODS FOR THE COMPLETE BOUGUER GRAVITY ANOMALY MAP OF THE CASCADE MOUNTAINS, WASHINGTON

by

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CONTENTS

	Page
Introduction	1
Principal Facts and Data Acquisition	1
Computational Methods	4
Error Analysis	6
Terrain Corrections	7
References Cited	15
Appendix - Listing of Principal Facts	A1

ILLUSTRATIONS

		Page
Figure 1.	Location of 15-minute quadrangles within the Cascade Mountains study area.	3
Figure 2.	Comparison of Hammer Zone Sectors E, F, G, H, and I with rectangular digital terrain blocks.	11
Table 1.	Comparison of Hammer's Method, Computer Method, and Analytical Method of Danes (1982) for computing terrain corrections.	10

Introduction

Since 1974, the Division of Geology and Earth Resources, in conjunction with the U.S. Department of Energy, has supported gravity studies in the Cascade Mountains of Washington State (Danes, 1975, 1979, 1981; Korosec and others, 1981). The purpose of the work has been to gather baseline gravity data for eventual contribution to geothermal resource evaluation. However, it is expected that the Cascade gravity data will prove useful in a number of future endeavors such as fossil fuel and mineral exploration, as the gravity method is a basic tool of the exploration geophysicist. Results of the Cascade gravity project are summarized graphically as a complete Bouguer gravity anomaly map of the Cascade Mountains, Washington (Danes and Phillips, 1983).

This report provides supplementary data and documentation for the complete Bouguer gravity anomaly map. Presented are principal gravity facts, simple Bouguer and Free-air gravity anomalies, computational methods, error analysis and a discussion of terrain corrections. It is hoped that release of this report will encourage analysis of Cascade gravity data beyond the standard treatment (complete Bouguer gravity anomaly at a reduction density of 2.67 g/cm^3) presented in Danes and Phillips, (1983).

Principal Facts and Data Acquisition

Principal facts for the Cascade Mountains, Washington are presented on computer printouts in the appendix to this report. The data are also available on magnetic tape. Persons interested in acquiring the principal fact magnetic tape should contact the Division of Geology and Earth Resources for further information.

The principal facts have been grouped into 78 15-minute quadrangles on the basis of the geographic position of the gravity stations. The latitude and longitude of the southeastern corner of each quadrangle are used as the quadrangle name. Figure 1 is an index map of the Cascade Mountains, Washington showing the location of the 15-minute quadrangles. Principal facts for gravity stations within each quadrangle are listed in the appendix beginning with the page numbers shown in Figure 1. The number of gravity stations within each quadrangle is also indicated in Figure 1.

The following data are provided for each gravity station:

1. Station identification code (Station I.D.). Data collected by Stuart (1965) have the prefix "A", "B", or "FA" included in the station I.D. Stations possessing the prefix "UW" are from Aiken (1970). The remaining stations were collected by the senior author or his students over a 20-year time period. The prefix "L" indicates that LaCoste-Romberg Model G gravimeter No. 209 was used in making the observation. Prefix "W" or integers without a prefix identify stations occupied with Worden gravimeter No. 358.
2. Latitude of the station in degrees, minutes, and hundredths of minutes.
3. Longitude of the station in degrees, minutes, and hundredths of minutes.
4. Elevation in feet of the gravity station.
5. Observed gravity of the station in mgals.
6. Free-air gravity anomaly in mgals.
7. Simple Bouguer gravity anomaly in mgals using a reduction density (p) of 2.67 g/cm^3.

The latitude and longitude of each station were interpolated on the most detailed available topographic maps: 7½-minute sheets, scale 1:24,000, where available; elsewhere, 15-minute sheets, scale 1:62,500.

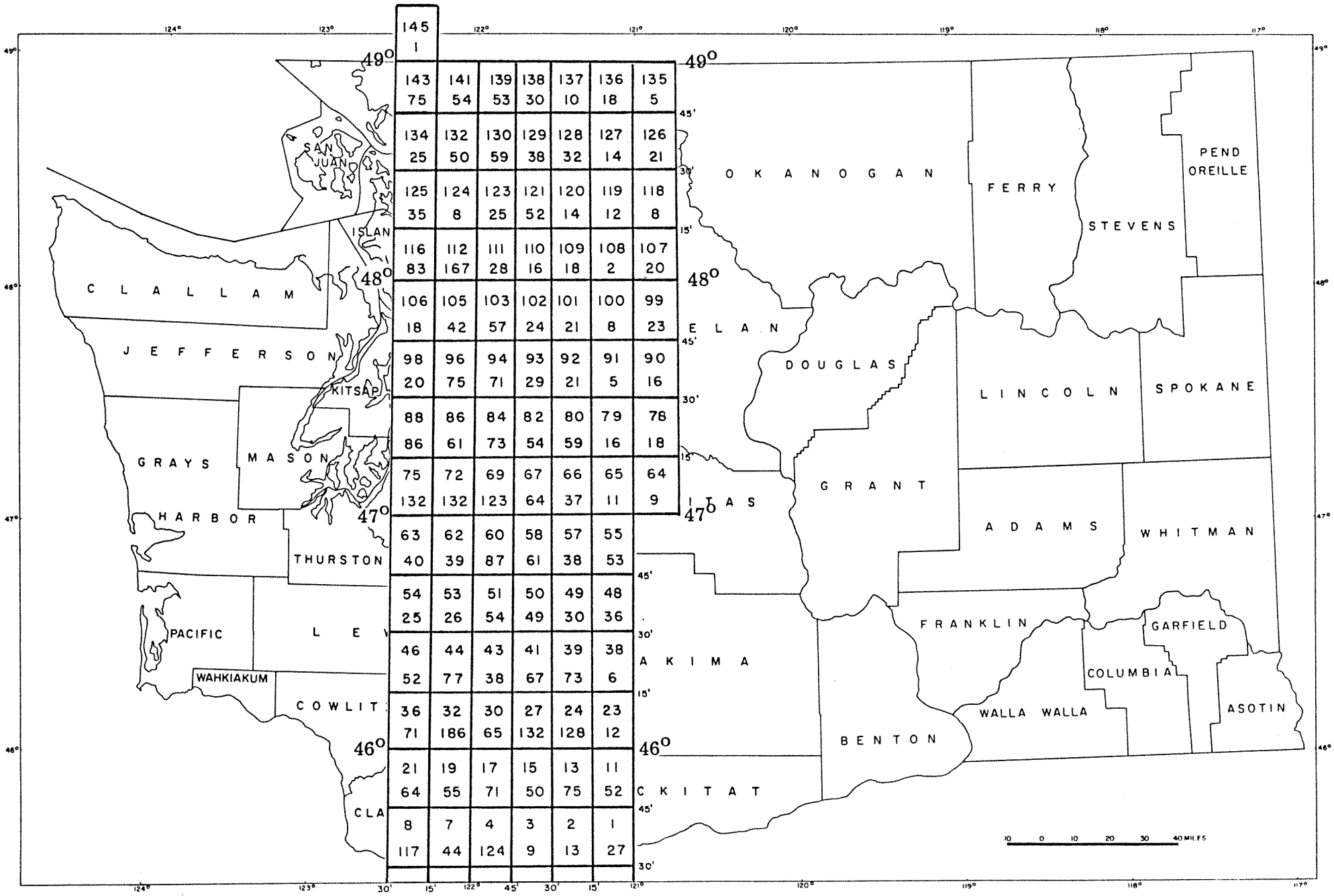

Figure 1--Location of 15-minute quadrangles within the Cascade Mountains study area. Within each quadrangle, upper number refers to page in appendix and lower number refers to number of stations within the quad.

Wherever possible, stations were placed at points where elevations were reported on the topographic maps. Priority was given to bench marks. Second in desirability were road intersections, and third, mountaintops. In areas where no such elevation data are available, station elevations have been determined barometrically and checked against elevation contours. The latter method gave satisfactory results only under favorable weather conditions and within an elevation range with good available control. Stations with clearly erroneous data were discarded and do not appear in the appendix.

Base and subbase stations were occupied at the beginning and end of each loop, that is, within about 6 to 12 hours; that rule has been violated only a few times, for example, at the summit of Mount Adams, where the ascent required an overnight tie. Instrumental drift and tidal effects were eliminated by a linear interpolation between base readings.

Computational Methods

Standard methods (e.g. Telford and others, 1976) were used to compute the Free-air and Simple Bouguer gravity anomalies. All gravity data reductions may be expressed in the form:

$$CBA = OG - POTS - g(\emptyset) + FAC - BSC + TC;$$

where CBA = Complete Bouguer anomaly (mgals);

OG = Observed Gravity (mgals);

$g(\emptyset)$ = Gravity as a function of latitude on the reference spheroid, also called the latitude correction;

POTS = Pottsdam correction = 13.00 mgals;

FAC = Free-air correction;

BSC = Bouguer slab correction;

TC = Terrain correction.

While complete Bouguer anomalies (CBA) were contoured on the gravity maps (Danes and Phillips, 1983), terrain corrections are not given here. The reasons for this are outlined below in the discussion of terrain corrections.

Observed gravity (OG) is the gravity measurement made at the gravity station, drift corrected, and expressed in terms of the Washington gravity base station network (Nilsen, 1967).

The reference spheroid ($g(\emptyset)$) used is that adopted by the International Association of Geodesy in 1967:

$$g(\emptyset) = g_0 \ (1 + \alpha \sin^2 \emptyset - \beta \sin^2 2\emptyset),$$

where g_0 = equatorial gravity = 978031.8 mgals;

$\emptyset$ = latitude;

$\alpha = 0.0053024$;

$\beta = 0.0000058$;

The Free-air correction (FAC) is approximated here by:

$$FAC = 0.09406(H),$$

where H = station elevation in feet.

The Bouguer slab correction (BSC) is:

$$BSC = 0.01277(p)(H)$$

where p = slab density and H = station elevation in feet.

The slab density used here is 2.67 g/cm^3.

The Free-air anomaly (FAA) is then:

$$FAA = OG - g(\emptyset) + FAC.$$

The simple Bouguer anomaly (SBA) is then:

$$SBA = OG - g(\emptyset) + FAC - BSC.$$

Using a slab density (p) of 2.67 gm/cc allows the FAC and BSC to be combined:

$$FAC + BSC = 0.06(H),$$

where H = station elevation in feet. This approximation was used to calculate the complete Bouguer anomalies (CBA) which were posted on the gravity maps and contoured. However, the Simple Bouguer Anomalies (SBA) given in the appendix to this report were calculated using independent computation of FAC and BSC.

There is another term, the Curvature Correction, which is sometimes included in reduction of gravity data (e.g. Pitts, 1979). This correction, when applied to the BSC, reduces the effect of the infinite slab to that of a plateau or spherical cap with radius 166.7 km and thickness H, the elevation of observation. The Curvature Correction typically has a value of 0.01 mgal in the range of 0-30,000 feet (Pitts, 1979, p. 54) and is therefore omitted here.

Error Analysis

The probable error due to various factors is estimated as follows:

Instrumental reading	± 0.1 mgal
Drift and tides	± 0.3 mgal
Elevation bench mark	± 0.1 mgal
Elevation road intersection	± 0.5 mgal
Elevation mountain top	± 0.5 mgal
Elevation barometric	± 2.0 mgal

Latitude	± 0.02 mgal
Terrain near	± 0.3 mgal
Terrain distant	± 5 to 10 percent correction[1/]

Obviously, the worst offenders are barometric elevations and distant terrain corrections. The maximum uncertainty in gravity measurements is estimated to be 5 mgals. Thus, with a 5 mgal contour interval, the inaccuracies should be barely on the threshold of being noticeable.

Terrain Corrections

The most significant problem confronted in constructing a complete Bouguer gravity anomaly map of the Washington Cascade Mountains has been associated with the calculation of terrain corrections. Terrain corrections are estimates of the gravitational attraction of mass (or lack of mass) ignored in the Bouguer slab correction. In mountainous country such as the Cascades, terrain corrections are a vital part of gravity data reduction, often contributing from 15 to 20 mgals or more to the complete Bouguer station value. Without terrain corrections, a fictitious correlation between topography and gravity may occur.

[1/] That is, if terrain corrections amount to, say, 10 mgal, probable error is 0.5 to 1.0 mgal.

In terms of mathematics, terrain corrections offer no special difficulties in computing. A standard method due to Hammer (1939) has long been available. Problems are logistical in nature, as terrain corrections are among the most tedious and cumbersome reductions in all of geophysics. If a gravity survey consists of many hundreds of stations, (the Cascades survey area contains over 4,000 stations), and topography dictates carrying the terrain correction out to at least 4 miles (Hammer Zone J), hand calculation of the corrections will require weeks to months of work. Although the process is speeded up somewhat with the use of programmable calculators, and various areal averaging techniques (e.g. Bickel, 1948), the time required to select an average elevation for each Hammer Zone sector remains constant.

Plouff (1977) has written a series of computer programs that calculate terrain corrections using digital topographic files. The programs are widely used by the U.S. Geological Survey. An enhanced version of the Plouff programs, developed by S. Pitts at Oregon State University, has been acquired by the senior author and modified to run on the University of Puget Sound computer system. In theory, the terrain correction programs offer a rapid and accurate means of eliminating the gravity reduction bottleneck. However, experience in the Cascade Mountains study area has shown the utility of the programs to be largely limited to distant terrain corrections.

In areas of considerable relief, the computer terrain correction algorithm may underestimate the effect of near-station topography as compared to standard Hammer's method calculations. This effect is most pronounced in the area 3,000 feet or less (Hammer Zone F) from the station.

The magnitude of the problem is shown in Table 1 where computer calculated and hand-calculated terrain corrections for the same stations are presented. (The analytical method values are discussed later in this report).

Examination of the program documentation (Plouff, 1977; Pitts, 1979, p. 54) and discussions with Plouff (personal communication, 1982), revealed the low terrain corrections to be a consequence of using ½-minute (approx. 2,000 by 3,000 feet) blocks for constructing digital topographic models in the interval zero to 7,500 feet from the station. The topographic model produced by Hammer's method uses pie-shaped blocks that vary in size as a function of the distance from the station (see Figure 2). At distances greater than about 3,000 feet from the station, the ½-minute blocks are approximately the same size or smaller than the sectors of the corresponding Hammer Zone (Zone G). At distances less than 3,000 feet from the station, the ½-minute blocks are much larger than the sectors in Hammer Zone A through F. As the terrain corrections for Zones A through D are usually estimated at the time of the survey, the major source of discrepancy in results comes from underestimating the gravitational effect of relief in Hammer Zone E and F.

Another factor that can cause difficulties in machine calculation of terrain corrections is the accuracy of elevation information. The Plouff programs use elevation data digitized from 1:250,000 scale topographic maps. The contour interval on maps of this scale is 100 to 200 feet. It is the practice of most geophysicists to calculate terrain corrections from a 1:62,500 to 1:24,000 topographic map base. Contour intervals on these maps range from 80 to 20 feet.

Table 1. — Comparison of Hammer's Method, Computer Method, and Analytical Method of Danes (1982) for Computing Terrain Corrections.

	TERRAIN CORRECTION (mgals)		
Station No.	Hammer's Method to Zone J	Computer	Analytical Method of Danes (1982)
A1924	9.56	6.68	17.64
A1925	8.64	4.92	11.49
A1926	6.99	4.18	9.78
A1927	7.26	3.81	9.89
7126	6.62	6.72	10.99

Source: Unpublished Gravity Data from Morton 15' Quadrangle, Z. F. Danes, 1982.

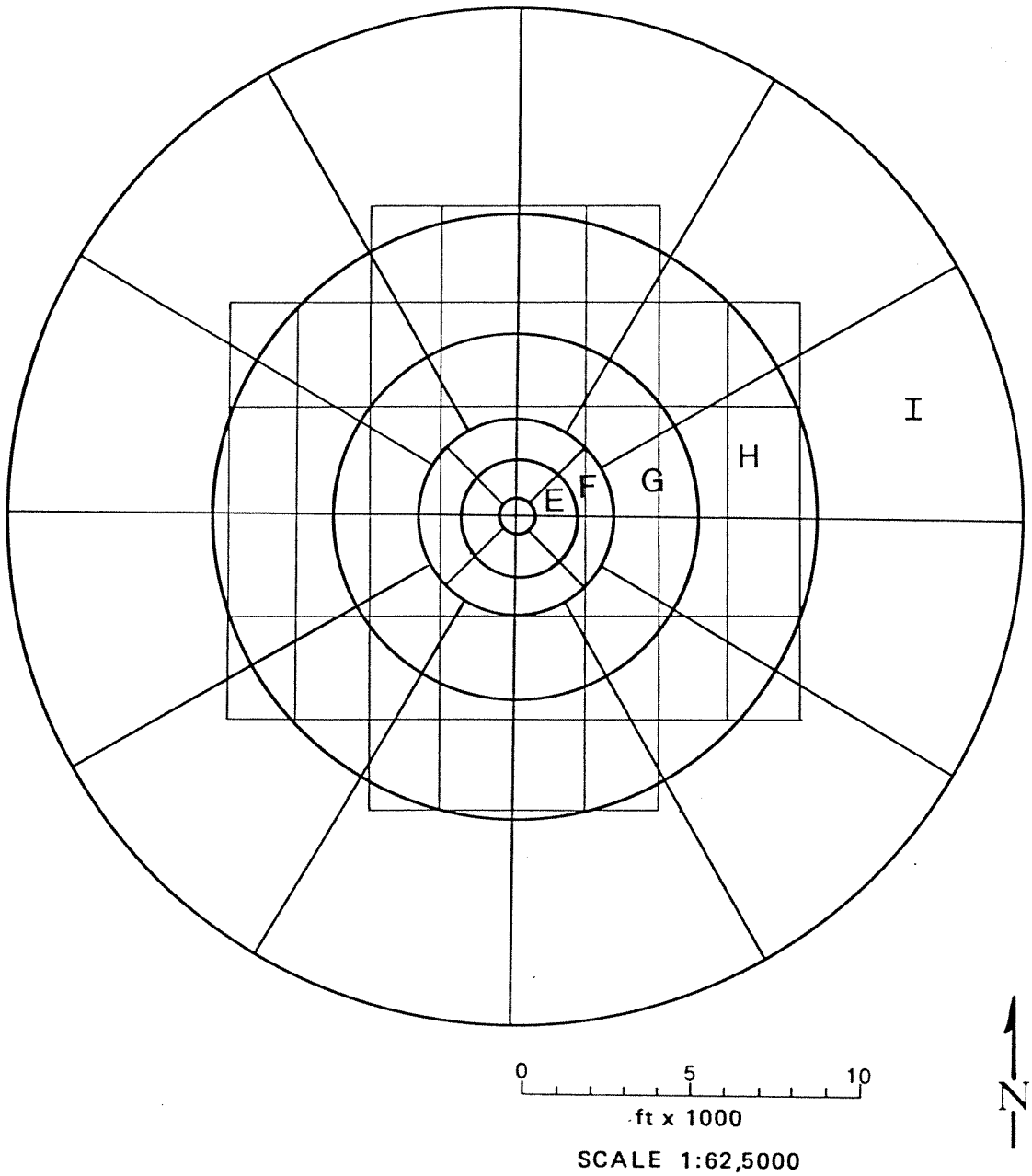

Figure 2 -- Comparison of Hammer Zone sectors E, F, G, H, and I with rectangular digital terrain blocks.

The programs do possess the option of combining near-station terrain corrections calculated via Hammer's method or some other conventional technique, with distant terrain effects found using the digital files. In practice, this requires manually performing Hammer Zone computations out to at least Zone F. Other users of the Plouff programs (e.g. Pitts, 1979, p. 54) have elected to monitor machine calculation of terrain corrections within the inner (½-minute) digital terrain blocks. Terrain corrections for stations having calculated terrain effects greater than some arbitrary value are recalculated by hand within inner zones using conventional techniques.

For the complete Bouguer gravity anomaly map of the Washington Cascades, two terrain correction methods were used. Stations south of 47°N. latitude (Danes and Phillips, 1983, Sheet 1), use terrain corrections generated by the Plouff programs outside of Hammer Zones A-D. Within Hammer Zones A-D, terrain corrections were determined in the field via use of graphs based on the geometry of simple landforms (e.g. conical peak, slope, ridge, valley, etc.). The graphs plot the terrain effect due to the landforms as a function of net relief of the landforms.

For stations north of 47°N. latitude (Danes and Phillips, 1983, Sheet 2), the analytical terrain correction method of Danes (1982) was used. Terrain effects in Hammer Zones A-D were computed via the graphs described above.

Near-zone (Hammer Zone E-J) terrain corrections were computed using a modified version of the analytical method described below. Distant terrain effects are estimated by assuming the presence of a horizontal slab of variable density, reaching from the base of valley floors to the tops of mountains.

Below the valley floors, the density is assumed to be constant and equal to the Bouguer reduction density (typically 2.67 gm/cc). Within the interval from the valley floors to the mountain tops, slab density decreases toward zero. Above the level of the mountaintops, the density is zero.

By constructing a series of topographic profiles throughout the study area, "average" valley floor and mountaintop elevations may be estimated. Given this information, the effect of the variable density horizontal slab may be determined by integrating from some inner radius (usually Hammer Zone I or J; 14,662 or 21,826 feet from the gravity station, respectively) to infinity in a manner directly analogous to the Bouguer infinite plane correction. Results consistent with or somewhat higher than standard Hammer's method are obtained if care is exercised in choosing the valley floor and mountaintop elevation parameters (Table 1). The variable density method may produce higher terrain corrections because it does not end at an arbitrary outer boundary as do the Plouff computer programs or Hammer's methods, and because the range of elevations between mountaintops and valley floors is used rather than mean elevations per sector.

The analytical terrain method was adopted because of computer-related problems stemming from operation of the Plouff programs, and because of the above-stated considerations. While the result is unfortunate -- complete Bouguer anomaly contour lines are not continuous across 47° N. latitude, adoption of the analytical terrain correction method greatly speeded up production of the gravity maps.

Terrain corrections are not included on the principal fact list in the appendix because of the presence of two distinctly different computational methods. Persons interested in obtaining the available terrain corrections should contact the Division of Geology and Earth Resources for further information. As soon as the entire Washington Cascade gravity data base has terrain corrections calculated using a single computational method, the terrain corrections will be released as a supplement or revision to this report.

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PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10431	4540.45	12113.13	99	980616.10	-67.69	-71.06
10432	4538.93	12109.35	414	980600.75	-51.12	-65.22
10433	4539.50	12104.32	249	980609.94	-58.31	-66.79
10434	4539.70	12106.85	1024	980566.93	-28.72	-63.60
10435	4540.87	12104.92	1273	980553.27	-20.73	-64.09
10436	4540.91	12102.35	1873	980513.50	-4.12	-67.92
10437	4541.63	12101.19	2298	980491.06	12.33	-65.94
10443	4543.01	12101.29	1572	980538.93	-10.17	-63.71
10444	4543.14	12103.26	1610	980538.21	-7.51	-62.35
10447	4542.82	12106.00	3221	980429.64	35.93	-73.78
10448	4542.22	12107.72	2802	980460.48	28.26	-67.17
10449	4541.82	12109.92	3014	980440.77	29.10	-73.56
10450	4541.44	12112.72	1848	980515.25	-5.52	-68.47
10451	4533.31	12109.50	1215	980552.05	-16.00	-57.38
10452	4542.62	12111.68	1497	980542.40	-13.17	-64.16
10453	4543.76	12109.06	1738	980529.92	-4.70	-63.89
2830	4544.27	12101.87	1722	980531.16	-5.73	-64.38
2831	4539.73	12102.33	162	980612.86	-63.92	-69.44
2832	4538.31	12106.17	161	980617.51	-57.22	-62.70
2833	4537.16	12108.00	168	980616.41	-55.93	-61.65
2836	4536.49	12110.58	86	980619.40	-59.64	-62.57
2837	4537.71	12111.51	101	980619.36	-60.11	-63.55
2838	4539.22	12111.78	114	980618.94	-61.58	-65.47
2839	4540.44	12113.14	99	980616.05	-67.73	-71.10
2840	4543.41	12114.67	242	980613.81	-60.99	-69.24
2841	4544.35	12113.61	250	980612.98	-62.49	-71.00
2842	4544.88	12113.33	275	980609.99	-63.55	-73.05

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
2854	4542.41	12121.59	106	980626.98	-59.11	-62.72
2855	4542.34	12119.52	82	980625.63	-62.61	-65.40
2856	4541.80	12117.46	101	980624.78	-60.86	-64.30
2857	4541.40	12116.74	103	980622.32	-62.53	-66.04
2858	4541.03	12115.51	82	980619.26	-67.00	-69.80
2861	4542.90	12115.51	253	980613.70	-59.30	-67.52
2862	4542.62	12117.71	513	980602.71	-45.41	-62.85
2863	4542.92	12117.46	537	980601.47	-44.85	-63.14
2864	4543.82	12118.31	1038	980574.50	-26.05	-61.40
2865	4541.82	12123.70	83	980625.03	-62.33	-65.16
2866	4541.97	12125.56	80	980621.48	-66.39	-69.11
2867	4543.36	12129.38	79	980622.19	-67.87	-70.56
3473	4544.63	12118.36	1296	980560.22	-17.29	-61.43

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
2808	4543.77	12131.38	105	980617.13	-71.10	-74.68
2827	4544.64	12138.67	945	980562.25	-48.29	-80.47
2846	4541.94	12143.57	79	980601.23	-86.65	-89.38
2847	4542.60	12140.24	79	980601.24	-87.67	-90.37
2848	4542.68	12138.82	79	980606.26	-82.78	-85.47
2849	4542.78	12137.13	79	980607.49	-81.70	-84.39
2850	4543.19	12134.58	90	980606.94	-81.83	-84.85
2851	4543.68	12132.46	95	980615.61	-73.43	-76.66
2917	4543.07	12136.67	104	980606.36	-80.91	-84.45

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
2815	4538.84	12156.53	86	980594.43	-88.15	-91.08
2816	4539.18	12155.08	105	980591.94	-89.37	-92.99
2818	4542.02	12151.80	102	980604.83	-81.05	-84.52
2819	4542.77	12149.82	104	980606.57	-80.25	-83.79
2820	4544.86	12149.49	563	980591.06	-55.74	-74.91
2821	4542.95	12147.51	102	980607.44	-79.84	-83.31
2825	4543.68	12153.92	1225	980541.24	-41.51	-85.23
2826	4543.56	12148.57	507	980586.20	-63.90	-81.17
2845	4544.86	12145.24	1489	980534.93	-24.77	-75.48
8440	4544.86	12149.75	570	980590.87	-55.27	-74.68
8441	4544.05	12149.15	497	980590.68	-61.10	-78.03
8443	4542.93	12149.68	280	980598.39	-72.12	-81.65
8763	4544.86	12158.94	780	980569.28	-57.11	-83.67
8764	4541.70	12154.45	320	980588.48	-76.41	-87.31
8765	4540.35	12155.13	100	980595.80	-87.75	-91.15
8766	4540.62	12155.95	470	980575.01	-74.14	-90.15
8816	4538.29	12158.45	40	980596.82	-89.26	-90.62
8818	4541.55	12152.86	103	980601.04	-84.03	-87.54
8819	4540.96	12154.01	112	980598.97	-84.37	-88.18
8820	4540.69	12154.52	92	980598.08	-86.73	-89.86
8821	4540.57	12154.71	102	980596.24	-87.45	-90.92
8822	4540.69	12155.31	412	980579.69	-75.02	-89.05
8823	4540.82	12155.22	412	980580.80	-74.11	-88.14
8824	4540.74	12155.43	427	980581.23	-72.15	-86.69
8826	4539.79	12154.23	170	980588.23	-87.89	-93.68
8830	4541.41	12153.15	103	980600.50	-84.36	-87.87
8831	4541.28	12153.37	103	980599.67	-85.00	-88.50
8832	4541.06	12153.80	130	980599.19	-82.60	-87.03
8834	4540.89	12154.17	103	980598.08	-86.00	-89.51
8835	4540.77	12154.33	103	980597.14	-86.76	-90.27
8836	4540.15	12154.38	103	980595.82	-87.14	-90.65
8837	4539.81	12154.18	101	980592.70	-89.94	-93.38
8839	4538.83	12157.33	72	980595.80	-88.09	-90.54
8840	4538.49	12158.61	77	980596.01	-86.89	-89.52
8841	4539.69	12154.33	182	980588.85	-85.99	-92.19
8842	4540.25	12153.51	104	980594.18	-88.84	-92.38
8843	4540.77	12151.63	105	980595.20	-88.51	-92.09
8844	4541.33	12150.29	105	980600.70	-83.85	-87.43
8845	4541.45	12150.79	105	980601.45	-83.28	-86.86
8846	4539.74	12153.75	175	980585.05	-90.52	-96.48
8847	4539.50	12153.98	100	980588.85	-93.41	-96.82
8848	4538.12	12156.83	88	980590.78	-90.53	-93.53
8849	4537.46	12155.65	92	980586.87	-93.07	-96.20
8852	4540.01	12154.52	226	980586.34	-84.84	-92.54
8853	4539.99	12154.77	227	980586.82	-84.24	-91.97
8854	4539.94	12154.95	272	980584.74	-82.01	-91.27
8855	4541.65	12153.57	92	980602.20	-84.06	-87.19
8856	4541.50	12153.82	92	980601.37	-84.66	-87.80
8857	4541.79	12154.52	320	980588.30	-76.72	-87.62

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8858	4542.18	12154.81	432	980582.13	-72.95	-87.66
8859	4543.07	12155.43	530	980582.48	-64.72	-80.77
8860	4543.48	12156.03	480	980584.22	-68.30	-84.65
8861	4544.92	12158.85	770	980568.24	-59.18	-85.40
8862	4544.10	12157.45	690	980574.60	-59.11	-82.61
8863	4543.17	12156.25	1290	980532.94	-42.93	-86.86
8864	4543.29	12157.02	1560	980515.74	-34.91	-88.05
8865	4543.53	12158.46	1780	980502.29	-28.03	-88.66
8866	4542.18	12153.94	370	980588.75	-72.16	-84.76
8867	4540.35	12155.14	100	980594.71	-88.84	-92.24
8868	4540.64	12155.87	465	980575.91	-73.74	-89.58
8869	4540.67	12156.30	471	980575.28	-73.85	-89.89
8870	4539.30	12157.31	51	980599.73	-86.84	-88.58
8873	4538.63	12159.08	45	980595.72	-90.40	-91.94
8874	4538.54	12159.01	79	980597.00	-85.79	-88.48
8875	4538.73	12159.06	79	980595.72	-87.36	-90.05
8876	4539.20	12159.25	200	980587.57	-84.84	-91.65
8877	4538.60	12159.47	289	980582.97	-80.16	-90.00
8880	4538.42	12158.40	45	980596.68	-89.13	-90.66
8881	4538.26	12158.58	43	980596.39	-89.36	-90.83
8882	4538.18	12158.73	40	980596.39	-89.53	-90.85
8883	4538.21	12158.89	39	980596.58	-89.48	-90.80
8884	4538.16	12159.03	41	980596.38	-89.41	-90.81
8885	4538.16	12159.19	41	980596.70	-89.09	-90.45
8886	4538.04	12159.15	45	980595.88	-89.35	-90.89
8887	4538.03	12159.06	40	980595.91	-89.78	-91.14
8888	4538.14	12158.55	40	980596.38	-89.48	-90.84
8889	4538.37	12158.82	46	980597.16	-88.48	-90.05
8890	4538.11	12158.67	41	980595.80	-89.92	-91.31
8891	4538.17	12158.53	45	980595.60	-89.83	-91.36
8892	4538.16	12158.38	40	980595.63	-90.26	-91.62
8893	4538.04	12158.26	42	980594.53	-90.99	-92.42
8894	4538.24	12158.32	42	980595.92	-89.90	-91.33
8895	4538.31	12158.14	42	980595.92	-90.00	-91.43
8896	4538.31	12158.02	43	980596.07	-89.76	-91.22
8897	4538.17	12158.27	41	980588.98	-96.83	-98.22
8898	4538.34	12158.28	43	980596.40	-89.48	-90.54
8899	4538.38	12158.01	43	980596.27	-89.67	-91.13
8900	4538.43	12158.17	43	980596.65	-89.36	-90.83
8904	4539.20	12155.09	91	980592.18	-90.48	-93.58
8905	4539.28	12154.72	91	980591.72	-91.06	-94.16
8906	4539.14	12155.38	91	980592.53	-90.04	-93.14
8907	4539.09	12155.77	91	980592.55	-89.94	-93.04
8908	4538.90	12157.31	40	980599.41	-87.55	-88.95
8909	4539.10	12157.52	40	980599.88	-87.42	-88.79
8910	4539.01	12157.71	40	980600.17	-87.00	-88.36
8911	4538.88	12157.86	40	980599.61	-87.36	-88.72
8913	4538.72	12158.37	40	980598.94	-87.79	-89.15
8914	4538.57	12158.53	40	980598.53	-87.97	-89.34
8915	4538.87	12158.27	50	980598.59	-87.43	-89.13

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8916	4538.99	12157.07	78	980597.81	-85.75	-88.41
8917	4538.78	12157.72	88	980596.93	-85.38	-88.37
8920	4539.39	12154.50	91	980591.60	-91.34	-94.44
8921	4538.47	12158.00	43	980596.32	-89.75	-91.22
8922	4538.65	12157.36	61	980596.85	-87.80	-89.88
8923	4538.29	12157.64	28	980596.85	-90.36	-91.31
8924	4537.63	12158.70	29	980594.53	-91.59	-92.58
8927	4539.11	12156.63	60	980596.98	-88.46	-90.50
8928	4537.91	12159.01	30	980597.22	-89.23	-90.25
8929	4537.73	12159.61	30	980597.71	-88.47	-89.49
8931	4538.03	12159.71	42	980598.67	-86.83	-88.26
8932	4540.77	12157.00	780	980554.28	-65.94	-92.50
8933	4541.18	12157.93	1352	980521.69	-45.34	-91.39
8934	4541.25	12157.21	1250	980529.61	-47.12	-89.70
8935	4541.67	12157.02	1458	980524.07	-33.73	-83.39
8937	4542.15	12157.55	1822	980514.12	-10.17	-72.23
8938	4541.53	12156.44	1400	980529.38	-33.67	-81.35
8940	4539.86	12156.78	104	980597.35	-85.08	-88.62
8941	4539.60	12158.46	612	980566.95	-67.31	-88.15
8946	4537.29	12159.76	30	980588.41	-97.10	-98.13
8947	4537.49	12159.21	30	980587.37	-98.45	-99.47
8948	4537.97	12157.55	30	980587.80	-98.74	-99.76
8949	4537.46	12158.65	30	980591.56	-94.21	-95.23
8950	4537.15	12159.47	30	980590.96	-94.34	-95.37
8951	4537.00	12159.81	30	980593.15	-91.93	-92.95

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
A1842	4539.00	12214.90	1153	980577.95	-4.51	-43.79
8168	4532.69	12214.90	10	980627.81	-52.65	-52.99
8742	4534.01	12213.03	640	980582.07	-41.12	-62.92
8743	4535.58	12214.25	980	980566.25	-27.33	-60.71
8744	4536.84	12213.32	420	980607.38	-40.77	-55.08
8745	4538.18	12213.61	1150	980568.09	-13.42	-52.59
8748	4540.78	12214.04	1260	980575.59	0.51	-42.41
8749	4540.57	12214.88	1680	980546.11	10.85	-46.37
8751	4543.40	12212.24	1920	980518.53	1.57	-63.82
8752	4542.01	12213.25	1740	980542.73	10.94	-48.33
8753	4543.06	12210.82	2380	980516.32	43.14	-37.92
8754	4540.37	12210.82	1445	980557.67	0.60	-48.61
8755	4540.44	12209.33	760	980590.05	-31.55	-57.44
8757	4541.22	12207.74	770	980584.12	-37.72	-63.94
8758	4542.89	12206.97	890	980578.48	-34.59	-64.90
8759	4544.90	12204.95	1660	980537.72	-5.95	-62.49
8760	4544.35	12207.60	1240	980565.06	-17.29	-59.52
8761	4544.95	12202.60	2400	980494.59	20.44	-61.30
8768	4538.47	12202.12	760	980560.31	-58.32	-84.21
8769	4539.81	12202.60	1720	980513.46	-16.89	-75.48
8770	4540.19	12203.46	2245	980479.68	-1.87	-78.33
8775	4538.16	12205.10	962	980556.82	-42.34	-75.11
8776	4538.44	12203.46	880	980556.57	-50.73	-80.70
8777	4535.80	12210.77	760	980572.32	-42.28	-68.17
8778	4537.26	12209.23	1480	980527.35	-21.73	-72.14
8779	4539.49	12205.69	2380	980473.86	6.07	-74.55
8780	4540.14	12206.25	2590	980453.06	4.04	-84.17
8781	4539.47	12209.76	1050	980528.36	-64.50	-100.26
8783	4543.06	12204.42	1520	980520.92	-33.15	-84.52
8787	4539.05	12212.21	1100	980573.84	-13.68	-51.15
8788	4538.15	12211.08	1270	980554.22	-15.96	-59.21
8789	4536.39	12211.59	945	980565.47	-32.62	-64.81
8790	4536.56	12207.04	640	980573.95	-53.09	-74.89
8808	4543.38	12214.81	1960	980526.35	13.19	-53.57
8811	4537.65	12201.39	630	980589.15	-40.47	-61.93
8813	4536.43	12204.70	60	980600.02	-81.38	-83.42
8878	4538.08	12200.10	90	980594.44	-86.62	-89.69
8879	4537.73	12201.01	240	980588.17	-78.26	-86.43
8930	4537.61	12200.00	30	980598.27	-87.73	-88.75
8944	4537.14	12200.58	30	980599.31	-85.98	-87.00
8945	4537.24	12200.58	30	980591.99	-93.45	-94.47
8952	4537.20	12201.10	30	980600.14	-85.24	-86.26
8953	4537.53	12201.05	30	980600.17	-85.71	-86.73
8954	4537.63	12201.16	700	980537.69	-85.32	-109.16

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1819	4543.61	12225.06	1051	980589.09	-9.92	-45.72
A1820	4542.53	12229.08	284	980629.46	-40.07	-49.74
A1825	4541.22	12226.19	379	980623.48	-35.14	-48.04
A1826	4538.61	12225.42	429	980617.94	-32.04	-46.65
A1827	4538.74	12221.22	369	980629.12	-26.70	-39.26
A1828	4541.46	12221.08	1252	980581.50	4.64	-38.01
A1829	4538.16	12229.66	288	980623.72	-38.84	-48.65
A1839	4536.00	12225.56	699	980601.54	-19.10	-42.91
A1840	4534.66	12221.51	35	980642.57	-38.51	-39.70
A1841	4534.49	12216.74	503	980608.74	-28.06	-45.19
8082	4538.33	12227.35	185	980636.23	-36.27	-42.57
8087	4538.55	12227.06	215	980632.23	-37.78	-45.11
8088	4538.61	12226.00	352	980623.06	-34.16	-46.19
8089	4539.05	12225.42	477	980617.31	-28.81	-45.06
8090	4539.01	12224.78	389	980625.78	-28.56	-41.81
8091	4539.25	12224.21	459	980624.27	-23.85	-39.48
8092	4539.05	12226.00	550	980610.46	-28.80	-47.53
8093	4539.69	12225.71	387	980626.58	-28.97	-42.16
8094	4539.80	12224.15	626	980614.23	-19.01	-40.33
8095	4539.63	12222.26	857	980602.65	-8.57	-37.76
8096	4540.34	12222.57	1427	980565.33	6.62	-41.99
8097	4541.07	12221.80	1676	980552.87	16.48	-40.61
8098	4540.77	12221.99	1948	980531.13	20.77	-45.57
8099	4539.90	12226.00	363	980627.60	-30.53	-42.89
8100	4539.90	12227.25	335	980624.48	-36.28	-47.69
8103	4537.94	12227.85	248	980632.37	-33.62	-42.07
8104	4538.16	12228.79	281	980627.36	-35.86	-45.43
8105	4538.61	12229.12	242	980627.43	-40.13	-48.38
8106	4538.16	12229.67	288	980624.52	-38.04	-47.85
8107	4537.31	12229.68	292	980623.50	-37.40	-47.35
8108	4537.31	12228.48	281	980625.45	-36.49	-46.06
8109	4536.63	12228.48	275	980625.35	-36.12	-45.49
8110	4536.43	12227.01	286	980629.69	-30.45	-40.19
8111	4535.83	12227.01	400	980621.11	-27.40	-41.02
8112	4535.44	12227.11	523	980610.66	-25.69	-43.51
8113	4535.58	12227.93	445	980614.75	-29.15	-44.31
8114	4535.58	12226.00	713	980600.63	-18.06	-42.35
8115	4536.00	12225.56	700	980601.78	-18.77	-42.61
8116	4535.24	12226.00	706	980599.86	-18.98	-43.02
8117	4536.43	12226.33	348	980623.93	-30.38	-42.23
8118	4536.80	12225.71	355	980624.38	-29.83	-41.92
8119	4537.31	12227.85	248	980629.32	-35.72	-44.17
8122	4539.29	12227.35	804	980588.76	-36.37	-54.35
8124	4533.95	12220.28	10	980643.07	-39.29	-39.63
8125	4533.62	12221.10	10	980640.79	-41.07	-41.41
8126	4533.57	12221.58	12	980640.66	-40.94	-41.35
8127	4533.03	12220.84	10	980639.84	-41.13	-41.47
8128	4533.10	12220.35	10	980640.07	-41.01	-41.35
8131	4537.74	12226.24	181	980638.35	-33.64	-39.80

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8132	4537.31	12225.66	180	980638.59	-32.85	-38.98
8133	4536.45	12224.36	202	980637.80	-30.27	-37.15
8134	4536.01	12224.36	202	980637.80	-29.61	-36.49
8135	4535.07	12223.80	50	980646.58	-33.70	-35.41
8136	4534.66	12223.46	10	980647.79	-35.64	-35.98
8137	4534.95	12222.43	50	980645.06	-35.04	-36.75
8138	4534.91	12224.41	10	980648.26	-35.55	-35.89
8139	4534.69	12225.80	50	980643.13	-36.58	-38.28
8140	4535.19	12229.57	10	980640.55	-43.68	-44.02
8141	4534.98	12227.55	52	980638.47	-41.49	-43.26
8142	4534.27	12224.65	10	980646.87	-35.97	-36.31
8145	4539.90	12228.05	280	980625.32	-40.62	-50.15
8146	4540.36	12225.37	374	980628.71	-29.08	-41.82
8147	4540.78	12225.20	347	980630.62	-30.34	-42.16
8148	4540.78	12223.97	1452	980561.25	4.22	-45.23
8149	4540.94	12226.89	335	980626.08	-36.25	-47.66
8150	4541.02	12227.85	287	980629.51	-37.46	-47.23
8151	4542.11	12226.62	389	980629.70	-29.32	-42.57
8152	4542.11	12226.00	444	980625.10	-28.74	-43.87
8153	4542.11	12227.23	458	980622.40	-30.13	-45.73
8156	4531.38	12221.68	378	980608.79	-35.08	-47.95
8157	4532.02	12221.68	555	980599.17	-29.01	-47.92
8158	4532.02	12221.08	611	980594.83	-28.09	-48.90
8159	4531.38	12221.08	492	980600.31	-32.83	-49.59
8160	4531.16	12219.97	274	980609.14	-44.18	-53.51
8161	4530.48	12219.24	438	980595.03	-41.84	-56.75
8162	4531.16	12218.95	468	980596.57	-38.50	-54.44
8163	4530.51	12217.07	465	980594.90	-39.47	-55.31
8164	4531.12	12216.76	567	980591.21	-34.49	-53.80
8165	4531.90	12215.24	893	980570.40	-25.81	-55.23
8166	4531.79	12216.50	783	980580.42	-25.97	-52.64
8167	4532.14	12217.75	464	980602.41	-34.51	-50.32
8169	4532.57	12216.47	10	980634.44	-45.84	-46.18
8170	4532.55	12217.44	15	980633.83	-45.95	-46.46
8171	4533.30	12222.77	11	980641.00	-40.28	-40.66
8172	4533.98	12223.68	12	980643.79	-38.42	-38.83
8174	4533.01	12223.87	36	980635.19	-43.30	-44.53
8175	4533.91	12224.61	10	980645.88	-36.42	-36.76
8176	4532.57	12225.95	80	980633.88	-39.81	-42.54
8177	4533.49	12227.68	80	980639.78	-35.30	-38.02
8180	4533.57	12219.39	12	980639.95	-41.65	-42.06
8181	4533.57	12217.97	30	980638.42	-41.48	-42.51
8182	4534.32	12220.76	10	980642.53	-40.39	-40.73
8183	4534.68	12219.85	48	980641.39	-38.49	-40.13
8184	4535.61	12220.79	291	980630.41	-28.02	-37.93
8185	4536.05	12221.03	478	980619.83	-21.68	-37.96
8186	4536.31	12221.66	481	980620.14	-21.48	-37.86
8187	4536.60	12222.96	369	980629.30	-23.29	-35.86
8188	4537.04	12223.27	409	980624.51	-24.98	-38.91
8189	4537.45	12224.78	287	980632.72	-28.86	-38.64

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4530

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8190	4538.20	12223.87	459	980619.58	-26.96	-42.59
8191	4537.89	12223.22	436	980622.98	-25.25	-40.10
8192	4538.62	12222.52	384	980628.80	-25.42	-38.50
8193	4540.61	12220.14	834	980605.75	-9.15	-37.55
8196	4537.55	12218.35	185	980636.65	-34.68	-40.58
8197	4537.55	12217.03	228	980630.36	-36.92	-44.69
8198	4536.43	12217.03	920	980580.41	-20.09	-51.43
8199	4536.12	12217.99	665	980599.95	-24.07	-46.72
8200	4536.43	12218.62	656	980603.46	-21.88	-44.22
8201	4536.43	12219.24	557	980612.36	-22.29	-41.26
8202	4535.82	12219.32	559	980611.11	-22.43	-41.47
8203	4535.61	12220.06	267	980631.83	-28.86	-37.95
8204	4537.76	12221.13	467	980625.04	-20.08	-35.99
8653	4543.40	12227.23	455	980625.36	-29.39	-44.85
8654	4543.81	12222.50	1654	980558.14	15.55	-40.75
8655	4543.03	12217.68	3496	980437.34	69.18	-49.85
8656	4541.67	12221.10	1700	980556.72	21.68	-36.22
8747	4540.49	12216.16	1520	980546.71	-3.48	-55.25

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10446	4545.24	12106.75	2205	980502.98	10.06	-66.05
2935	4547.10	12112.33	357	980608.29	-61.26	-73.42
2936	4547.71	12111.99	383	980606.78	-61.25	-74.29
2937	4549.00	12109.08	447	980604.09	-59.86	-75.09
2938	4545.34	12112.43	308	980609.10	-62.41	-72.90
2941	4549.14	12108.25	469	980601.68	-60.41	-73.39
2942	4549.00	12107.09	528	980598.30	-58.03	-76.02
2943	4549.75	12105.44	531	980600.58	-56.60	-74.69
2944	4550.29	12104.56	553	980598.72	-57.21	-76.04
2945	4550.87	12102.48	695	980590.58	-52.87	-76.54
2946	4550.70	12100.29	1457	980551.69	-19.83	-69.45
2947	4545.14	12103.83	2016	980513.02	2.47	-66.20
2948	4545.07	12101.99	2011	980513.85	2.93	-65.56
2949	4545.98	12101.99	2051	980511.98	3.45	-66.40
2950	4547.48	12101.89	1722	980532.99	-8.74	-67.39
2951	4548.16	12101.89	1512	980546.33	-16.18	-67.68
2952	4549.24	12105.24	1588	980541.24	-15.75	-69.84
2955	4546.90	12114.27	1995	980519.40	4.22	-63.73
2956	4548.70	12114.90	2305	980513.02	24.28	-54.22
2984	4546.93	12111.36	2115	980502.19	-1.75	-73.75
2985	4545.20	12110.39	2015	980515.55	4.81	-63.82
2986	4545.24	12109.20	2110	980508.67	6.81	-65.06
2987	4546.05	12109.20	2139	980507.56	7.21	-65.65
2988	4545.24	12108.01	2194	980503.68	9.72	-65.01
2989	4545.85	12108.01	2215	980502.78	9.88	-65.57
2990	4546.55	12108.11	2214	980502.15	8.10	-67.31
2991	4545.24	12106.75	2205	980502.69	9.77	-65.34
2994	4550.84	12103.98	577	980596.83	-57.67	-77.32
2995	4553.18	12106.84	686	980589.70	-58.08	-81.44
2996	4555.35	12105.39	754	980589.06	-55.59	-81.27
2997	4556.44	12108.06	977	980577.89	-47.43	-80.71
2998	4558.37	12106.80	1380	980554.52	-35.80	-82.81
2999	4558.54	12107.62	1442	980550.40	-34.35	-83.46
3000	4559.08	12108.25	1543	980544.67	-31.39	-83.95
3541	4555.25	12113.69	2316	980507.08	9.50	-69.38
3542	4553.76	12109.32	2290	980505.60	7.82	-70.18
3544	4551.21	12106.84	1810	980531.92	-7.16	-68.81
3545	4550.50	12105.52	1555	980545.64	-16.36	-69.32
3548	4549.79	12113.11	2055	980519.41	5.51	-64.48
3558	4554.47	12102.86	1934	980525.47	-6.86	-72.74
3559	4552.60	12103.88	1819	980533.49	-6.84	-68.80
3560	4554.77	12103.45	1940	980527.25	-4.97	-71.05
3561	4555.05	12103.93	1954	980523.92	-7.41	-73.96
3612	4551.63	12113.25	2226	980509.06	8.47	-67.34
3614	4551.96	12107.86	2096	980513.71	0.40	-70.99
3615	4555.62	12108.59	2075	980515.60	-5.21	-75.88
4009	4557.83	12107.28	2309	980498.25	-3.88	-82.52
4010	4558.34	12108.30	2529	980486.47	4.27	-81.87
4011	4558.54	12108.64	2649	980477.61	6.39	-83.83

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QLAD: 12100/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
4019	4555.76	12100.19	2232	980509.11	2.86	-73.16
4020	4556.98	12101.04	2388	980501.73	8.31	-73.02
4021	4557.69	12101.60	2519	980493.02	10.86	-74.94

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4545

STATION I.D.	LATITUDE (D.M.M/100)	LONGITUDE (D.M.M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10454	4545.66	12125.47	1952	980521.74	4.38	-62.10
10455	4548.07	12124.51	1918	980527.59	3.40	-61.92
2957	4559.63	12117.78	1837	980529.49	-19.75	-82.32
2958	4559.17	12118.07	1828	980528.94	-20.45	-82.71
2959	4559.17	12119.38	1823	980529.79	-20.07	-82.16
2960	4559.63	12119.38	1828	980529.90	-20.19	-82.45
2961	4559.63	12120.71	1844	980531.30	-17.28	-80.09
2962	4558.63	12121.39	1893	980530.38	-12.08	-76.56
2963	4558.24	12121.34	1894	980530.01	-11.77	-76.28
2969	4554.72	12129.93	1354	980567.61	-19.66	-65.77
2970	4555.67	12129.66	1432	980562.85	-18.51	-67.25
2971	4556.52	12129.44	1502	980556.96	-19.10	-70.26
2972	4557.01	12129.40	1587	980553.15	-15.65	-69.71
2973	4557.43	12129.27	1639	980551.22	-13.33	-69.15
2974	4557.87	12129.37	1724	980546.06	-11.15	-69.87
2975	4557.02	12128.38	1681	980548.83	-11.15	-68.40
2976	4558.26	12128.04	1707	980547.54	-11.86	-70.00
2977	4558.82	12128.06	1725	980546.33	-12.22	-70.98
2978	4559.59	12128.45	1788	980542.88	-10.91	-71.81
3475	4545.52	12118.35	1806	980529.76	-1.12	-62.63
3476	4546.12	12119.00	2086	980512.21	6.77	-64.28
3477	4546.74	12119.22	2331	980500.66	17.32	-62.07
3478	4547.00	12119.41	2426	980494.77	19.98	-62.65
3479	4546.98	12120.50	2406	980497.10	20.46	-61.49
3480	4546.10	12120.43	2248	980504.85	14.67	-61.85
3481	4545.59	12119.82	1956	980520.58	3.71	-62.91
3482	4545.14	12118.93	1638	980539.21	-6.90	-62.69
3489	4547.98	12120.11	2471	980492.50	20.46	-63.70
3490	4549.26	12120.43	2319	980504.17	15.91	-63.08
3491	4549.97	12121.15	2330	980505.99	17.69	-61.67
3492	4550.68	12119.33	2134	980516.45	8.64	-64.04
3493	4551.32	12118.92	2141	980516.96	8.85	-64.08
3494	4551.32	12117.84	2448	980498.11	18.87	-64.51
3495	4551.38	12116.81	2351	980503.75	15.30	-64.78
3496	4548.72	12116.18	2308	980503.44	14.96	-63.65
3497	4548.72	12118.18	2490	980502.89	31.52	-53.28
3498	4547.86	12116.16	2297	980502.95	14.73	-63.51
3499	4546.81	12116.13	2095	980513.85	8.21	-63.14
3506	4552.03	12116.19	2232	980511.94	11.32	-64.71
3507	4552.60	12116.09	2257	980510.49	11.36	-65.52
3508	4553.03	12116.84	2105	980520.35	6.27	-65.42
3509	4553.93	12116.69	2185	980515.77	7.86	-66.56
3510	4554.69	12116.35	2140	980518.17	4.88	-68.01
3511	4555.45	12116.06	2267	980510.98	8.49	-68.72
3512	4556.43	12115.53	2259	980507.85	3.13	-73.81
3513	4557.92	12115.58	1885	980527.09	-15.06	-79.26
3514	4559.29	12115.31	1834	980529.43	-19.58	-82.04
3515	4557.53	12117.13	1918	980528.28	-10.17	-75.50
3516	4556.53	12119.02	1879	980531.31	-9.30	-73.30

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3517	4556.53	12119.60	1823	980534.50	-11.38	-73.47
3518	4556.53	12121.77	1849	980536.32	-7.12	-70.09
3519	4556.62	12122.72	1884	980535.16	-5.12	-69.29
3520	4553.08	12125.16	2016	980525.22	2.69	-65.97
3521	4552.63	12125.16	2114	980517.70	5.07	-66.93
3522	4552.69	12127.63	1417	980558.89	-19.39	-67.65
3526	4549.38	12129.28	548	980606.45	-48.58	-67.24
3527	4548.60	12129.37	497	980605.58	-53.07	-69.99
3528	4547.81	12129.06	387	980610.87	-56.93	-70.11
3531	4545.47	12128.29	1200	980561.20	-26.60	-67.47
3533	4545.98	12128.50	1328	980553.09	-23.44	-68.67
3534	4545.66	12125.47	1952	980530.90	13.54	-52.94
3536	4548.72	12123.68	2012	980532.80	16.47	-52.05
3537	4549.04	12123.61	2030	980530.96	15.84	-53.30
3538	4549.06	12121.73	2345	980505.02	19.50	-60.37
3539	4548.52	12121.99	2392	980499.64	19.36	-62.11
3540	4559.21	12116.23	1870	980529.25	-16.25	-79.94
3579	4556.52	12128.81	1553	980554.71	-16.55	-69.45
3581	4556.65	12127.29	2365	980504.80	9.72	-70.83
3582	4556.09	12125.02	2068	980525.42	3.25	-67.19
3583	4557.16	12124.80	1966	980531.60	-1.78	-68.74
3584	4557.67	12125.94	2255	980514.09	7.12	-69.68
3585	4558.07	12124.99	2155	980521.37	4.39	-69.00
3586	4550.28	12123.90	2317	980509.80	19.81	-59.11
3587	4558.99	12126.47	2565	980494.39	14.59	-72.77
3588	4559.17	12122.50	2140	980518.82	-1.23	-74.11

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10869	4557.87	12144.80	3692	980421.35	49.25	-76.50
10875	4546.30	12144.55	1891	980514.54	-9.52	-73.93
10877	4553.17	12138.93	1779	980547.84	2.89	-57.71
10878	4554.59	12139.29	2076	980526.56	7.40	-63.31
10879	4554.13	12135.51	2237	980514.79	11.47	-64.72
10880	4550.39	12136.28	3215	980432.53	26.84	-82.66
2929	4547.44	12138.06	1346	980551.82	-25.22	-71.06
2930	4549.27	12138.90	1460	980556.81	-12.27	-61.99
2931	4550.54	12139.82	1495	980562.61	-5.09	-56.01
2932	4551.94	12138.32	1615	980555.97	-2.55	-57.56
2966	4552.65	12131.11	964	980586.76	-34.07	-66.90
2967	4553.31	12131.11	1078	980580.89	-30.21	-66.53
2968	4553.96	12130.58	1257	980571.30	-23.94	-66.76
2979	4559.68	12131.38	1881	980541.29	-3.89	-67.95
2980	4559.44	12131.09	1871	980542.13	-3.62	-67.35
2981	4558.59	12130.15	1807	980542.76	-7.73	-69.28
3452	4545.95	12131.65	495	980595.85	-58.99	-75.85
3453	4546.57	12130.80	505	980597.12	-57.71	-74.91
3455	4545.64	12137.77	1068	980559.03	-41.44	-77.82
3457	4547.30	12141.20	1785	980529.68	-5.86	-66.65
3458	4547.59	12143.54	2150	980510.66	9.02	-64.21
3463	4548.55	12144.42	3603	980410.79	44.37	-78.35
3524	4551.04	12130.53	717	980598.42	-43.21	-67.63
3525	4550.81	12130.36	680	980600.82	-43.95	-67.11
3658	4550.38	12131.86	1400	980552.01	-24.38	-72.07
3660	4549.88	12131.58	2420	980479.86	0.16	-82.26
3662	4549.84	12131.51	2525	980476.28	6.89	-79.24
3663	4548.01	12137.16	2240	980490.59	-3.22	-79.51
3671	4552.26	12143.21	2870	980481.75	40.79	-56.96
3674	4559.19	12142.28	3612	980429.25	47.63	-75.35
3676	4559.26	12141.29	3985	980401.98	55.34	-80.35
3687	4550.99	12143.04	2610	980498.79	35.29	-53.61
3691	4559.83	12139.56	3831	980408.71	46.73	-83.76
3692	4555.84	12134.20	4063	980397.77	63.62	-74.76
4028	4549.03	12134.31	3088	980434.27	18.68	-86.49
4029	4548.54	12134.21	2151	980499.76	-3.22	-76.48
4030	4547.83	12131.69	542	980596.60	-56.65	-75.11
4031	4548.18	12137.38	2924	980442.87	13.14	-86.45
4035	4556.66	12144.08	3234	980452.57	39.21	-70.94
4036	4555.92	12143.45	3042	980464.96	34.66	-68.95
4037	4555.28	12142.86	3004	980467.78	34.87	-67.45
4038	4555.62	12141.89	3055	980464.10	35.47	-68.58
4039	4556.50	12141.55	3140	980456.72	34.76	-72.19
4040	4556.70	12139.81	3117	980456.70	32.28	-73.89
4041	4556.53	12136.33	2699	980490.69	27.21	-64.72
4042	4557.56	12135.10	2485	980502.74	17.57	-67.07
4045	4558.19	12139.64	2986	980465.74	26.75	-74.56
4046	4557.85	12137.79	2847	980476.34	24.79	-72.18
4047	4557.75	12136.67	2683	980489.87	23.04	-68.34

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
4048	4559.07	12134.42	2249	980519.41	9.77	-66.83

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10862	4549.71	12149.99	2798	980469.60	25.71	-69.55
10863	4549.99	12148.17	3214	980442.78	37.60	-71.87
10864	4550.87	12146.58	4202	980379.78	66.20	-76.92
10866	4550.77	12149.02	2392	980500.19	16.51	-64.96
10867	4551.78	12148.30	2778	980476.45	27.56	-67.06
10868	4552.86	12147.02	3231	980451.42	43.51	-66.54
10870	4558.82	12145.39	4074	980393.55	55.94	-82.82
10871	4556.52	12145.10	3123	980458.51	34.92	-71.45
10873	4547.08	12148.32	703	980590.16	-46.82	-70.76
10874	4546.25	12146.57	1888	980512.92	-11.34	-75.65
2871	4545.71	12150.47	624	980589.63	-52.71	-73.97
2872	4547.00	12152.04	802	980584.65	-42.90	-70.21
2873	4547.54	12152.94	918	980576.49	-40.96	-72.23
2874	4548.01	12154.29	985	980573.24	-38.62	-72.16
2875	4548.05	12155.91	1109	980564.99	-35.26	-73.03
2876	4547.66	12158.31	2608	980465.80	7.13	-81.70
2877	4547.74	12159.66	3012	980440.85	20.06	-82.53
2878	4547.61	12159.95	2985	980442.73	19.60	-82.07
2880	4546.07	12150.06	529	980591.33	-60.49	-78.51
2888	4549.27	12154.73	1015	980572.92	-38.01	-72.58
2889	4549.10	12154.48	993	980574.40	-38.35	-72.17
2890	4549.71	12155.21	1021	980574.26	-36.77	-71.55
2891	4550.10	12155.98	1001	980576.17	-37.33	-71.43
2892	4550.52	12156.39	1026	980575.01	-36.77	-71.72
2893	4550.93	12156.97	1024	980574.97	-37.62	-72.50
2894	4551.60	12157.72	1059	980573.81	-36.50	-72.57
2895	4552.11	12158.30	1085	980573.41	-35.22	-72.18
2896	4553.30	12157.89	1191	980569.08	-31.38	-71.54
2897	4553.99	12157.70	1261	980566.80	-28.11	-71.06
2898	4559.12	12155.39	2790	980474.42	15.59	-79.44
2902	4554.24	12156.80	1323	980562.57	-26.89	-71.95
2903	4551.16	12156.53	1813	980524.37	-14.35	-76.10
2904	4547.78	12151.90	832	980584.94	-40.96	-69.30
2905	4549.18	12152.74	938	980578.18	-39.86	-71.81
2906	4550.15	12152.20	995	980576.85	-37.29	-71.18
2907	4556.07	12149.17	4968	980314.65	65.28	-103.93
2910	4555.45	12151.43	2807	980471.30	19.60	-76.00
2911	4554.09	12150.23	2798	980473.90	23.41	-71.89
2912	4553.43	12152.61	2615	980483.37	16.66	-72.41
2913	4553.18	12153.00	2503	980489.72	12.85	-72.40
2914	4553.18	12153.84	2585	980483.54	14.76	-73.42
2915	4554.19	12149.10	3134	980451.65	32.61	-74.13
2916	4554.48	12147.21	3527	980425.10	42.59	-77.54
3462	4548.91	12145.27	3649	980412.50	49.86	-74.42
4034	4556.50	12145.22	3123	980458.22	34.66	-71.71
8436	4556.95	12156.18	1520	980565.42	-9.59	-61.37
8437	4548.13	12155.89	1100	980567.16	-34.06	-71.53
8439	4545.51	12150.15	400	980591.67	-71.44	-85.06
8444	4551.21	12159.59	1900	980525.27	-5.35	-70.06

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QLAC: 12145/4545

STATION I.C.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8485	4549.37	12159.03	1660	980533.48	-16.94	-73.48
8491	4548.49	12156.78	1130	980562.02	-36.92	-75.41
8496	4551.98	12149.60	1800	980535.73	-5.45	-66.76
8497	4552.89	12149.26	2300	980509.77	14.24	-64.05
8499	4552.69	12151.45	2680	980480.46	20.98	-70.30
8500	4552.38	12154.54	2460	980489.52	9.81	-73.97
8501	4550.91	12154.79	1695	980535.19	-14.26	-71.99
8502	4551.16	12152.95	2300	980503.53	10.61	-67.72
8503	4549.94	12153.77	2410	980491.07	10.34	-71.74
8504	4554.57	12152.08	2405	980495.78	7.60	-74.32
8505	4556.04	12151.89	2650	980481.01	13.66	-76.60
8506	4557.99	12152.56	3200	980449.24	30.68	-78.31
8507	4555.87	12153.06	2560	980489.22	13.66	-73.54
8508	4555.11	12154.47	2400	980498.89	9.42	-72.32
8509	4556.28	12154.61	2480	980496.61	12.90	-71.57
8510	4556.78	12151.29	3080	980452.15	24.13	-80.78
8511	4558.66	12151.00	3740	980411.69	42.91	-84.47
8512	4559.93	12150.73	4080	980390.67	51.96	-87.01
8514	4559.92	12156.75	3280	980448.85	34.90	-76.81
8516	4559.75	12158.64	3200	980459.49	38.27	-70.72
8534	4556.21	12158.37	1800	980538.87	-8.69	-70.00
8535	4555.23	12158.64	1470	980544.36	-32.76	-82.83

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1967	4548.44	12214.27	1454	980573.69	5.30	-44.22
A1968	4547.34	12213.25	1651	980553.03	4.83	-51.40
A1969	4547.41	12211.56	2366	980503.76	22.71	-57.88
A1970	4547.44	12210.50	3275	980449.08	53.48	-58.06
A1971	4546.83	12209.96	3548	980426.72	57.72	-63.12
A1972	4547.44	12208.08	2949	980465.90	39.64	-60.80
A1973	4548.15	12206.76	3437	980434.01	52.58	-64.48
A1974	4548.46	12205.83	3698	980415.96	58.61	-67.34
A1975	4547.85	12203.61	3342	980431.74	41.83	-72.00
A1976	4547.69	12201.43	3176	980433.87	28.58	-79.59
8445	4552.29	12201.45	2820	980469.01	23.30	-72.75
8446	4552.79	12204.58	3680	980433.07	67.50	-57.84
8448	4554.62	12204.84	3850	980423.43	71.09	-60.04
8449	4554.58	12207.48	3280	980460.98	55.08	-56.63
8450	4555.33	12205.47	3530	980447.22	63.71	-56.52
8451	4555.97	12211.00	2620	980504.55	34.48	-54.76
8452	4546.07	12213.16	1580	980550.12	-2.84	-56.66
8453	4555.97	12214.71	1280	980586.53	-9.58	-53.18
8461	4555.14	12212.67	1060	980553.13	-22.42	-58.53
8462	4555.45	12213.83	1120	980566.79	-43.59	-81.73
8463	4554.63	12213.79	1600	980560.93	-3.06	-57.56
8464	4553.54	12212.60	1830	980555.52	14.81	-47.52
8465	4553.97	12212.07	2170	980537.07	27.69	-46.22
8466	4552.21	12211.61	3200	980474.06	64.21	-44.78
8467	4552.45	12213.77	3000	980475.78	46.76	-55.42
8468	4551.87	12214.90	1983	980542.09	18.29	-49.26
8469	4551.00	12214.50	2064	980540.50	25.63	-44.67
8470	4549.67	12213.35	1120	980571.19	-30.47	-68.62
8471	4549.52	12211.75	1409	980571.19	-3.06	-51.05
8472	4549.40	12209.77	1580	980558.36	0.37	-53.44
8473	4550.65	12208.44	3050	980467.12	45.52	-58.37
8474	4552.92	12208.47	2440	980500.86	18.46	-64.65
8475	4551.37	12210.21	3448	980450.16	64.91	-52.53
8476	4551.19	12206.57	3770	980417.10	62.41	-66.00
8477	4550.95	12203.52	2807	980450.66	5.75	-89.86
8480	4555.24	12201.43	4207	980379.25	59.55	-83.74
8481	4554.23	12200.15	2160	980519.16	8.45	-65.12
8482	4553.19	12200.24	1360	980568.99	-15.40	-61.73
8486	4549.34	12200.52	1830	980527.77	-6.61	-68.94
8487	4549.00	12202.55	1960	980522.47	0.83	-65.93
8488	4550.60	12202.06	1910	980529.14	0.38	-64.67
8489	4550.06	12203.85	2470	980492.80	17.53	-66.60
8524	4555.47	12206.52	3110	980470.03	46.80	-59.12
8525	4556.22	12206.59	3100	980467.88	42.58	-63.00
8526	4555.91	12203.52	3000	980445.37	11.13	-91.05
8527	4557.09	12202.37	3440	980437.83	43.20	-73.97
8528	4557.74	12203.53	3840	980423.10	65.11	-65.68
8529	4558.68	12206.19	2653	980495.34	24.29	-66.07
8530	4559.53	12207.74	4169	980394.99	65.25	-76.75

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8531	4558.92	12203.97	3080	980466.18	34.93	-69.98
8532	4558.24	12201.94	2770	980486.96	27.57	-66.77
8533	4558.24	12200.34	2960	980475.35	33.84	-66.98
8762	4545.36	12200.55	1030	980557.91	-45.72	-80.80
8806	4547.67	12214.95	1760	980555.76	17.31	-42.63
8807	4546.30	12214.59	3173	980461.72	58.25	-49.82

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1812	4558.00	12222.26	406	980656.27	-25.11	-38.94
A1813	4555.20	12225.18	434	980646.70	-27.83	-42.61
A1814	4551.70	12224.20	690	980623.15	-22.02	-45.52
A1815	4549.10	12221.27	656	980620.50	-23.94	-46.29
A1816	4549.30	12216.07	962	980601.97	-13.99	-46.76
A1817	4546.40	12220.28	958	980603.59	-8.38	-41.01
A1818	4546.00	12226.04	412	980628.98	-33.74	-47.77
8307	4558.88	12218.20	520	980646.74	-25.25	-42.96
8308	4557.67	12219.20	500	980646.99	-25.05	-42.08
8454	4557.09	12217.86	711	980630.08	-21.24	-45.46
8455	4556.32	12220.61	616	980636.70	-22.40	-43.38
8456	4555.68	12222.77	505	980643.57	-25.00	-42.20
8457	4559.83	12221.84	465	980657.60	-20.99	-36.83
8460	4557.67	12222.31	240	980668.14	-28.36	-36.53
8586	4555.86	12221.48	552	980639.61	-24.81	-43.61
8587	4556.23	12221.46	560	980640.51	-23.72	-42.79
8590	4555.88	12219.85	1170	980604.14	-2.18	-42.03
8591	4555.76	12220.24	1100	980607.85	-4.88	-42.34
8592	4556.00	12220.61	800	980619.44	-21.87	-49.11
8593	4556.45	12220.19	665	980633.97	-20.71	-43.36
8594	4548.53	12219.66	755	980624.57	-9.70	-35.42
8595	4556.28	12219.47	830	980616.98	-21.93	-50.20
8596	4556.04	12219.25	1070	980606.09	-9.88	-46.32
8597	4555.91	12219.25	1260	980598.34	0.44	-42.48
8598	4555.70	12219.49	1370	980589.39	2.15	-44.51
8611	4554.61	12226.74	399	980648.00	-28.93	-42.52
8612	4552.62	12224.20	698	980625.04	-20.76	-44.54
8613	4552.04	12224.37	707	980623.28	-20.80	-44.88
8614	4554.34	12223.58	1054	980606.01	-8.90	-44.80
8615	4555.44	12225.18	437	980647.26	-27.34	-42.23
8619	4552.98	12221.36	1440	980579.60	3.05	-46.00
8621	4554.49	12220.29	2010	980558.93	33.71	-34.75
8622	4552.47	12216.46	1885	980552.03	18.10	-46.10
8623	4555.88	12217.23	1990	980550.61	21.42	-46.38
8624	4554.71	12216.65	2035	980546.03	22.83	-46.48
8625	4554.05	12215.34	3045	980470.74	43.54	-60.17
8626	4550.78	12216.31	2270	980525.72	30.55	-46.76
8627	4550.56	12219.85	2140	980534.95	27.89	-45.00
8628	4551.41	12222.33	920	980605.58	-17.52	-48.85
8632	4550.41	12225.49	460	980633.55	-31.31	-46.97
8633	4550.20	12227.91	360	980637.38	-36.57	-48.83
8634	4551.77	12228.52	1086	980597.67	-10.36	-47.34
8635	4552.70	12226.70	1070	980602.21	-8.72	-45.17
8636	4553.72	12228.74	830	980620.18	-14.87	-43.14
8637	4555.76	12228.91	439	980650.75	-24.15	-39.10
8638	4557.07	12229.22	995	980620.74	-3.84	-37.73
8639	4558.47	12229.39	479	980654.81	-20.41	-36.73
8640	4557.47	12226.59	2010	980547.39	17.68	-50.78
8642	4548.25	12229.50	504	980624.51	-32.95	-50.12

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4545

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8643	4548.62	12226.75	701	980615.08	-24.41	-48.28
8644	4547.49	12225.00	770	980599.69	-31.60	-57.83
8649	4546.89	12228.52	524	980619.13	-34.40	-52.25
8650	4546.42	12226.70	360	980633.83	-34.41	-46.68
8651	4545.36	12229.17	355	980660.55	-6.57	-18.66
8652	4545.20	12225.10	510	980623.60	-28.70	-46.07
8793	4559.82	12229.23	582	980651.32	-16.25	-36.07
8796	4559.56	12227.25	890	980631.11	-7.10	-37.41
8797	4559.80	12223.92	395	980659.54	-25.59	-39.04
8798	4549.12	12221.27	656	980620.70	-23.77	-46.12
8799	4549.13	12215.05	1022	980599.77	-10.29	-45.10
8801	4545.12	12219.56	1310	980592.75	15.82	-28.80
8803	4545.55	12217.74	1340	980577.03	2.28	-43.36
8804	4547.66	12218.14	1860	980548.96	19.94	-43.42
8805	4547.69	12220.26	961	980601.96	-11.67	-44.40

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
10458	4600.95	12114.32	1827	980529.68	-22.49	-84.72
10459	4601.45	12111.75	1807	980530.75	-24.05	-85.60
5161	4614.45	12107.64	4060	980399.20	36.71	-101.57
5162	4613.69	12103.31	3553	980427.70	18.67	-102.34
5237	4600.47	12105.49	2100	980514.90	-10.87	-82.39
5238	4604.29	12101.66	2861	980467.90	7.95	-89.49
5239	4607.77	12101.15	2882	980467.10	3.88	-94.28
5240	4610.90	12102.46	3133	980453.40	9.07	-97.64
5241	4610.92	12106.69	3298	980440.60	11.76	-100.57
5242	4607.50	12106.23	2788	980468.30	-3.35	-98.31
5244	4605.47	12108.86	2432	980487.60	-14.48	-97.31
5247	4613.63	12108.70	5111	980324.80	62.41	-111.67

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
5172	4613.22	12116.20	2665	980466.40	-25.45	-116.22
5177	4614.47	12120.39	4520	980361.90	42.65	-111.30
5245	4605.26	12115.65	2062	980513.90	-22.66	-92.90
5246	4610.24	12115.19	3835	980398.40	21.10	-109.52
5248	4608.04	12117.63	2461	980483.90	-19.33	-103.15
5249	4604.64	12117.15	2225	980508.10	-12.20	-87.98
5250	4601.17	12116.80	1890	980525.70	-20.88	-85.25
5251	4605.47	12121.48	3339	980441.60	24.83	-88.89
5252	4603.76	12119.27	2396	980496.60	-6.29	-87.89
5253	4600.69	12121.50	2203	980511.20	-5.21	-80.25
5254	4601.83	12126.53	3211	980453.10	29.78	-79.58
5255	4605.72	12125.60	4042	980396.70	45.68	-91.99
5257	4603.44	12125.13	4435	980370.70	60.08	-90.97
5784	4601.17	12116.80	1890	980526.40	-20.18	-84.55
7295	4605.24	12129.12	3636	980428.80	40.32	-83.53
7315	4601.18	12129.32	2095	980526.00	-1.31	-72.66
7316	4601.27	12128.52	2395	980506.00	6.77	-74.80
7317	4601.86	12128.89	2475	980500.40	7.81	-76.49
7318	4601.23	12127.29	2776	980483.30	19.97	-74.58
7319	4600.74	12126.66	2824	980480.60	22.52	-73.66
7320	4601.48	12125.05	3213	980452.50	29.90	-79.54
7321	4601.57	12125.74	3205	980453.70	30.21	-78.95
7322	4601.60	12124.48	3145	980453.60	24.42	-82.70
7323	4600.80	12124.65	3621	980418.90	35.70	-87.63
7324	4601.65	12123.27	2982	980461.20	16.61	-84.95
7325	4602.21	12122.70	3014	980458.40	15.98	-86.68
7328	4600.94	12116.38	1872	980526.40	-21.52	-85.28
7329	4600.64	12115.87	1850	980527.30	-22.24	-85.25
7330	4601.82	12116.80	1930	980523.60	-20.19	-85.93
7331	4601.82	12118.06	1968	980520.50	-19.72	-86.75
7332	4600.94	12118.09	1873	980528.00	-19.83	-83.62
7333	4600.07	12118.73	1840	980530.40	-19.22	-81.89
7334	4600.95	12119.26	1880	980521.10	-26.08	-90.12
7335	4600.95	12120.99	2021	980522.00	-11.92	-80.76
7336	4600.28	12120.78	1882	980531.30	-14.69	-78.79
7337	4601.39	12122.09	2441	980497.60	2.52	-80.62
7338	4600.92	12123.71	2998	980464.00	22.02	-80.09
7339	4600.14	12123.92	2845	980477.30	22.10	-74.80
7340	4601.98	12124.01	3278	980443.30	26.06	-85.59
7341	4602.68	12123.36	3434	980434.40	30.78	-86.19
7342	4602.77	12123.06	3343	980440.50	28.18	-85.68
7343	4603.07	12123.06	3456	980433.90	31.66	-86.05
7344	4602.98	12129.59	2852	980476.70	17.88	-79.26
7346	4603.24	12128.26	3232	980451.40	27.93	-82.15
7347	4604.23	12127.36	3737	980416.50	39.04	-88.24
7348	4604.73	12127.11	3852	980408.20	40.80	-90.40
7349	4605.32	12125.74	3990	980401.20	45.89	-90.01
7350	4609.23	12122.94	5676	980296.00	93.38	-99.94
7351	4608.43	12123.83	5586	980300.50	90.62	-99.63

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
7352	4604.80	12123.41	3608	980422.70	32.25	-90.64
7353	4604.84	12122.69	3384	980439.10	27.52	-87.74
7354	4603.70	12120.07	2577	980487.00	1.23	-86.54
7355	4603.80	12118.66	2292	980503.50	-9.23	-87.29
7356	4603.94	12117.78	2234	980507.10	-11.30	-87.39
7357	4602.70	12116.80	1985	980520.40	-19.55	-87.16
7360	4601.89	12119.17	1976	980521.10	-18.47	-85.77
7361	4602.42	12120.38	2354	980498.60	-6.22	-86.39
7362	4602.18	12121.19	2508	980491.20	1.23	-84.19
7363	4603.41	12120.38	2582	980486.30	1.44	-86.51
7364	4603.69	12121.81	3037	980459.10	16.61	-86.83
7365	4603.83	12122.58	3305	980443.30	25.81	-86.76
7366	4604.19	12121.77	3020	980461.50	16.66	-86.20
7367	4604.53	12122.79	3385	980438.50	27.48	-87.81
7368	4604.10	12124.05	3862	980408.90	43.39	-88.15
7369	4603.69	12123.96	3866	980406.80	42.29	-89.39
7370	4604.32	12120.38	2761	980471.40	2.00	-92.04
7371	4604.54	12121.51	3009	980462.10	15.70	-86.79
7372	4605.55	12123.53	3827	980411.70	40.71	-89.63
7373	4605.23	12123.22	3601	980425.30	33.54	-89.11
7374	4605.96	12122.53	3914	980407.10	43.68	-89.63
7375	4606.76	12123.49	4376	980375.60	54.43	-94.62
7376	4607.04	12123.23	4574	980361.10	58.13	-97.66
7377	4606.56	12122.37	4058	980396.90	46.12	-92.10
7378	4605.69	12121.89	3552	980428.30	31.24	-89.74
7379	4605.26	12120.12	2875	980469.10	9.01	-88.92
7380	4604.89	12119.86	2797	980474.30	7.43	-87.84
7381	4604.21	12119.20	2504	980490.40	-3.01	-88.29
7382	4603.57	12118.06	2204	980507.80	-12.86	-87.93
7386	4603.57	12118.06	2204	980507.80	-12.86	-87.93
7387	4602.68	12118.54	2091	980513.80	-16.15	-87.37
7390	4603.36	12116.68	2015	980519.90	-18.22	-86.85
7391	4604.11	12116.27	2124	980512.50	-16.50	-88.84
7392	4605.40	12116.64	2226	980508.50	-12.85	-88.67
7393	4605.71	12117.43	2464	980493.60	-5.83	-89.75
7394	4606.43	12119.50	3009	980460.70	11.45	-91.04
7395	4607.32	12118.58	3061	980452.60	6.90	-97.36
7396	4606.15	12120.29	3008	980463.50	14.57	-87.88
7397	4607.45	12121.12	4188	980388.90	49.01	-93.64
7398	4606.80	12121.47	3999	980401.90	45.21	-91.00
7399	4607.29	12121.55	4164	980391.70	49.79	-92.04
7400	4607.03	12122.17	4103	980395.50	48.24	-91.50
7401	4605.82	12119.57	2859	980469.90	7.46	-89.92
7402	4606.19	12116.81	2101	980512.80	-21.00	-93.06
7404	4608.40	12117.44	2480	980483.60	-18.38	-102.85
7405	4609.21	12118.47	2912	980457.70	-4.87	-104.05
7406	4609.31	12118.99	3058	980450.00	1.01	-103.14
7407	4608.91	12117.36	2580	980476.90	-16.44	-104.32
7408	4610.17	12117.23	2682	980470.30	-15.35	-106.70
7409	4610.83	12117.21	2678	980468.80	-18.22	-109.43

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
7410	4611.21	12117.33	2713	980466.40	-17.90	-110.31
7411	4611.79	12117.46	2740	980464.00	-18.64	-111.96
7412	4612.16	12117.35	2684	980466.60	-21.86	-113.28
7413	4612.58	12117.18	2681	980465.10	-24.28	-115.59
7414	4612.99	12116.61	2676	980467.00	-23.46	-114.61
7415	4613.24	12116.32	2671	980467.50	-23.81	-114.79
7431	4614.99	12120.58	4502	980361.80	40.07	-113.26
7432	4612.02	12118.68	4014	980387.10	23.95	-112.77
7433	4613.74	12118.52	4260	980369.40	26.80	-118.30
7434	4612.79	12118.47	3583	980411.10	6.25	-115.79
7435	4613.68	12116.91	2782	980459.00	-22.53	-117.29
7436	4612.30	12115.77	2583	980468.70	-29.47	-117.45
7437	4611.98	12115.83	2564	980471.10	-28.38	-115.71
7438	4611.88	12115.56	2638	980466.90	-25.47	-115.32
7439	4614.42	12116.30	2813	980461.60	-18.13	-113.94
7485	4610.37	12127.81	7895	980142.00	146.84	-122.07
7488	4608.03	12129.99	5380	980316.30	87.65	-95.59
7638	4614.99	12120.61	4502	980366.60	44.87	-108.46
7642	4612.86	12120.28	4280	980380.00	40.60	-105.17
7663	4610.64	12125.29	6892	980203.70	113.33	-121.41
7664	4610.20	12125.04	6821	980205.10	108.72	-123.60
7667	4609.73	12122.41	4602	980360.80	56.41	-100.33
7668	4609.55	12125.46	5374	980315.30	83.79	-99.24
7673	4610.47	12126.30	7060	980186.50	112.19	-128.27
7688	4612.48	12125.48	7484	980158.20	120.74	-134.16
7692	4614.67	12120.99	4600	980357.70	45.67	-111.00
7734	4609.70	12129.00	7500	980163.10	131.34	-124.11
7736	4610.70	12128.70	9402	980032.90	178.53	-141.70
7737	4612.20	12129.40	1253	979788.20	175.94	-232.78
7738	4609.70	12129.00	7500	980163.00	131.24	-124.21

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3755	4612.38	12140.48	3002	980468.81	9.93	-92.32
3757	4611.00	12139.59	3632	980428.53	30.99	-92.72
3758	4609.67	12140.78	3526	980436.69	31.18	-88.91
4807	4602.90	12140.17	3442	980437.20	34.00	-83.24
5259	4602.85	12133.30	2546	980502.10	14.69	-72.02
5260	4606.02	12136.48	3152	980462.20	27.02	-80.34
5261	4609.71	12137.84	3854	980420.00	45.28	-85.98
5262	4614.57	12137.10	3678	980428.00	29.40	-95.87
5292	4605.90	12143.20	3503	980427.10	25.11	-94.20
5293	4604.28	12141.50	3350	980443.70	29.76	-84.34
5294	4601.09	12134.22	1979	980537.30	-0.78	-68.19
5297	4603.41	12136.55	2196	980523.20	2.03	-72.77
5298	4601.10	12139.85	3654	980427.50	46.95	-77.50
5300	4609.08	12141.54	3506	980433.40	26.90	-92.51
5301	4611.76	12143.68	2383	980507.70	-8.47	-89.63
5302	4612.90	12140.10	2659	980488.10	-3.83	-94.39
5789	4600.81	12142.03	3820	980412.90	48.40	-81.71
5790	4601.30	12143.05	4260	980380.90	57.05	-88.04
5791	4601.17	12144.85	5220	980309.80	76.44	-101.39
5795	4600.01	12143.95	4132	980394.60	60.66	-80.08
5798	4601.50	12140.60	3628	980427.80	44.20	-79.37
5799	4601.59	12140.77	3617	980427.70	42.93	-80.26
5800	4601.14	12141.35	3740	980417.10	44.58	-82.80
5801	4600.52	12141.50	3720	980423.90	50.43	-76.27
5802	4600.08	12142.34	3760	980418.00	48.96	-79.11
5806	4603.44	12140.14	3096	980460.10	23.54	-81.91
5807	4602.90	12140.17	3442	980437.20	34.00	-83.24
5808	4602.44	12139.88	3400	980442.30	35.84	-79.96
5809	4604.00	12140.25	3105	980459.80	23.24	-82.52
5810	4604.28	12141.48	3350	980441.10	27.16	-86.94
5811	4604.02	12141.01	3571	980427.50	34.74	-86.89
5812	4603.60	12141.63	3370	980439.70	28.67	-86.11
5813	4604.45	12142.31	3304	980440.90	22.38	-90.15
5814	4604.83	12142.53	3423	980433.00	25.10	-91.49
5815	4604.89	12143.07	3480	980427.60	24.97	-93.56
5816	4604.60	12143.13	3520	980426.30	27.87	-92.02
5817	4605.35	12142.53	3494	980428.10	26.09	-92.91
5819	4605.86	12141.95	3130	980451.90	14.89	-91.72
5820	4605.44	12142.08	3510	980428.00	27.36	-92.19
5821	4605.88	12143.20	3503	980424.50	22.54	-96.77
5822	4606.22	12143.20	3574	980420.10	24.31	-97.42
5823	4606.70	12142.50	3602	980419.80	25.92	-96.77
5824	4607.50	12141.80	3545	980425.50	23.40	-95.29
5825	4607.90	12141.58	3522	980426.90	23.68	-96.28
5826	4608.36	12141.05	3467	980433.30	24.22	-93.87
5827	4609.00	12140.81	3514	980434.30	28.67	-91.01
5828	4609.33	12140.86	3512	980436.20	29.89	-89.73
5829	4609.61	12140.77	3526	980436.00	30.58	-89.51
5830	4609.51	12142.01	3555	980427.60	25.06	-96.02

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
5833	4609.08	12141.50	3508	980432.60	26.29	-93.15
5834	4608.80	12142.21	3751	980412.40	29.37	-98.39
5835	4609.00	12142.55	3924	980400.70	33.64	-100.01
5836	4608.22	12142.04	3810	980408.60	31.99	-97.78
5837	4608.27	12142.52	3972	980396.30	34.85	-100.43
5838	4607.66	12144.39	4101	980385.70	37.31	-102.37
5839	4607.86	12144.92	4002	980392.40	34.39	-101.92
5840	4607.99	12143.42	4725	980343.80	53.60	-107.33
5841	4607.22	12143.72	4139	980382.70	38.54	-102.43
5842	4607.80	12142.87	4022	980392.30	36.26	-100.72
5902	4607.37	12144.70	3930	980397.60	33.56	-100.30
5903	4606.77	12143.90	3713	980412.30	28.75	-97.71
5904	4605.56	12143.70	3693	980414.40	30.80	-94.99
5905	4607.70	12138.15	3613	980430.00	35.64	-87.41
5906	4602.06	12141.50	3822	980411.20	45.01	-85.17
5907	4602.20	12142.70	4007	980396.30	47.30	-89.18
5908	4602.80	12144.20	4120	980387.80	48.52	-91.81
7177	4600.94	12131.60	1920	980536.70	-6.71	-72.10
7178	4601.42	12131.50	2038	980531.30	-1.73	-71.15
7179	4602.65	12131.61	2522	980500.00	10.64	-73.26
7180	4603.02	12131.85	2615	980495.80	14.63	-74.44
7181	4603.45	12131.96	2762	980484.40	16.41	-77.67
7182	4604.23	12131.78	3039	980466.80	23.69	-79.82
7183	4604.48	12132.22	3083	980465.30	25.95	-79.06
7184	4605.24	12133.87	3180	980461.20	29.83	-78.49
7185	4605.90	12134.51	3250	980456.00	30.21	-80.48
7186	4606.20	12135.28	3282	980454.70	31.47	-80.31
7187	4606.36	12136.21	3123	980464.00	25.58	-80.79
7188	4606.28	12136.42	3115	980464.00	24.94	-81.15
7189	4605.78	12136.55	3120	980462.50	24.67	-81.60
7190	4604.27	12134.59	2638	980494.50	13.61	-76.24
7191	4603.66	12134.09	2519	980504.00	12.83	-72.96
7192	4603.19	12133.74	2485	980503.80	10.14	-74.49
7193	4602.85	12133.30	2546	980500.50	13.09	-73.62
7194	4602.29	12132.72	2380	980512.90	10.72	-70.34
7195	4601.83	12132.50	2290	980521.40	11.45	-66.54
7196	4601.16	12131.73	1990	980535.70	-1.45	-69.23
7197	4600.02	12131.66	1890	980539.40	-5.44	-69.81
7200	4604.17	12138.05	2512	980498.80	6.21	-79.35
7201	4604.07	12138.75	2762	980483.30	14.37	-79.70
7202	4604.17	12139.30	3217	980454.50	28.22	-81.35
7203	4605.09	12140.18	3476	980437.90	34.59	-83.80
7204	4609.21	12138.29	4116	980406.00	56.68	-83.51
7205	4609.23	12138.73	4070	980406.00	52.32	-86.30
7206	4610.20	12141.21	3296	980450.80	22.86	-89.40
7207	4610.64	12140.42	3433	980439.10	23.38	-93.55
7208	4611.16	12141.12	3022	980469.20	14.04	-88.85
7209	4611.51	12141.41	2896	980473.60	6.06	-92.58
7210	4611.51	12142.82	2575	980494.70	-3.03	-90.74
7211	4610.07	12137.78	3885	980419.20	46.86	-85.47

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (F=2.67)
7212	4610.34	12137.31	4061	980407.20	51.00	-87.31
7213	4611.34	12138.58	3921	980412.20	41.33	-92.22
7216	4601.67	12136.65	4392	980365.90	53.91	-95.68
7217	4601.70	12136.92	4394	980367.00	55.15	-94.51
7218	4602.85	12138.94	3578	980432.00	41.66	-80.20
7219	4606.20	12137.56	3700	980428.00	44.09	-81.93
7220	4611.24	12139.48	3615	980430.10	39.60	-92.53
7221	4611.46	12139.94	3558	980437.00	31.80	-89.38
7224	4600.07	12130.40	1850	980540.10	-8.58	-71.59
7225	4606.65	12138.18	3939	980412.10	49.99	-84.17
7226	4606.52	12139.45	4970	980340.50	75.56	-93.71
7227	4606.66	12139.60	4740	980357.60	70.82	-90.63
7228	4606.95	12138.01	4428	980379.90	63.33	-87.48
7286	4611.97	12139.80	3249	980453.50	18.47	-92.19
7287	4614.69	12137.65	3222	980456.00	14.33	-95.41
7289	4605.17	12131.08	3315	980450.60	32.03	-80.88
7292	4607.62	12135.85	3605	980434.60	39.61	-83.17
7293	4608.44	12135.81	4193	980397.10	56.18	-86.63
7294	4605.32	12134.76	3369	980449.80	36.08	-78.67
7298	4614.87	12133.18	5678	980301.90	90.97	-102.42
7299	4614.43	12132.65	6020	980278.80	100.70	-104.34
7310	4612.53	12136.65	4460	980380.90	58.93	-92.98
7311	4612.37	12135.44	5166	980336.80	81.48	-94.47
7314	4600.90	12130.44	2016	980531.40	-2.92	-71.58
7489	4607.82	12130.88	4680	980366.70	72.53	-86.87
7490	4610.87	12133.96	4680	980377.10	78.33	-81.07
7491	4610.78	12136.65	5900	980286.40	102.52	-98.44
7494	4610.21	12133.44	5580	980308.40	95.28	-94.78
7679	4611.36	12133.55	6490	980238.30	109.04	-112.01
7680	4611.82	12133.68	6608	980245.20	126.34	-98.72
7681	4612.76	12134.16	5768	980298.00	98.72	-97.74
7732	4607.60	12131.10	4580	980370.50	67.25	-88.74
7733	4607.60	12131.10	4580	980370.50	67.25	-88.74

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
2899	4602.45	12159.13	3434	980434.80	31.52	-85.44
2920	4607.06	12146.21	4731	980339.93	51.70	-109.44
3762	4604.97	12145.56	4230	980376.58	44.38	-99.70
5275	4614.56	12158.38	3079	980470.30	15.37	-89.50
5276	4611.22	12159.67	3278	980458.30	27.13	-84.52
5277	4606.89	12159.30	1664	980563.70	-12.76	-69.43
5278	4608.40	12156.33	3450	980436.80	26.08	-91.45
5279	4611.39	12155.29	3542	980429.60	23.00	-97.64
5281	4603.84	12157.07	1319	980562.60	-41.71	-86.63
5282	4608.68	12153.66	1420	980562.60	-39.51	-87.87
5283	4610.76	12150.74	1730	980548.40	-27.68	-86.61
5284	4605.48	12154.58	1965	980531.90	-14.12	-81.05
5285	4603.34	12153.11	3190	980448.60	21.03	-87.62
5286	4602.11	12152.84	3030	980460.70	19.94	-83.27
5287	4600.60	12154.02	2904	980468.80	18.46	-80.45
5288	4602.70	12149.79	3635	980419.10	34.35	-89.46
5289	4600.72	12150.06	4080	980387.30	47.39	-91.57
5290	4605.49	12148.59	3805	980408.30	35.34	-94.26
5291	4608.88	12148.35	3313	980443.90	19.55	-93.29
5299	4602.87	12145.26	3988	980393.60	41.80	-94.03
5792	4601.96	12146.14	5091	980319.40	72.72	-100.68
5793	4601.31	12147.59	4691	980344.50	61.18	-98.60
5794	4600.31	12147.09	4736	980336.90	59.32	-101.99
5855	4604.10	12148.73	3771	980409.40	34.33	-94.11
5856	4603.12	12149.70	3792	980407.20	36.59	-92.57
5857	4602.70	12149.79	3635	980417.40	32.65	-91.16
5858	4601.58	12150.21	3981	980401.50	50.99	-84.61
5859	4601.27	12149.83	4135	980382.30	46.74	-94.10
5860	4600.29	12149.48	4317	980374.60	57.63	-89.40
5861	4600.33	12150.22	4065	980386.20	45.40	-93.06
5862	4601.11	12150.07	4085	980385.30	45.28	-93.86
5863	4601.96	12148.72	4245	980378.60	52.34	-92.24
5864	4602.62	12148.77	4042	980390.00	43.66	-94.01
5868	4605.05	12149.53	3323	980438.10	20.46	-92.72
5869	4605.49	12148.99	3805	980407.40	34.44	-95.16
5870	4606.02	12148.12	3541	980421.40	22.80	-97.80
5871	4605.64	12147.29	4020	980392.20	39.23	-97.69
5872	4605.88	12146.31	4055	980390.40	40.36	-97.75
5873	4605.66	12146.02	4214	980379.20	44.45	-99.08
5874	4605.19	12145.21	4165	980384.60	45.95	-95.91
5875	4604.12	12148.35	4117	980387.50	45.95	-94.28
5876	4604.83	12145.02	3890	980402.50	38.53	-93.97
5877	4605.48	12145.82	4253	980376.70	45.89	-98.57
5878	4605.55	12145.21	4317	980373.10	48.20	-98.83
5879	4605.57	12146.41	4270	980374.40	45.05	-100.38
5881	4602.96	12147.14	4860	980338.30	68.38	-97.15
5882	4602.55	12147.20	5045	980323.10	71.20	-100.63
5883	4602.89	12146.49	5237	980306.70	72.35	-106.02
5884	4603.82	12146.38	4964	980324.40	62.97	-105.10

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
5885	4604.26	12146.85	4562	980355.20	55.29	-100.05
5886	4604.80	12147.01	4420	980367.10	53.02	-97.52
5893	4604.82	12148.73	3762	980408.80	32.80	-95.33
5894	4606.34	12146.54	3930	980397.10	34.61	-99.24
5895	4606.71	12146.34	3977	980395.00	36.37	-99.08
5896	4607.94	12145.51	3936	980398.90	34.56	-99.50
5897	4607.60	12146.22	3950	980397.30	34.79	-99.74
5898	4607.04	12148.08	4565	980351.10	47.28	-108.20
5899	4607.09	12148.38	4096	980386.10	38.09	-101.41
5900	4607.37	12149.70	3862	980404.00	33.56	-97.98
5901	4608.14	12148.22	3719	980413.60	28.55	-98.12
8433	4603.42	12157.82	1370	980570.28	-28.60	-75.26
8434	4603.41	12155.28	2377	980505.95	1.80	-79.16
8435	4601.27	12153.62	2911	980469.66	18.97	-80.18
8513	4601.48	12151.46	3535	980426.50	34.19	-86.22
8515	4600.57	12158.17	3545	980432.99	42.99	-77.75

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10897	4604.53	12212.37	1410	980588.04	-8.75	-56.78
10898	4604.01	12207.57	1179	980596.64	-21.09	-61.25
10899	4603.53	12204.08	982	980579.61	-55.93	-89.38
10900	4603.89	12201.55	1040	980599.27	-31.36	-66.78
10901	4606.77	12201.02	1351	980584.48	-21.24	-67.25
10902	4605.91	12201.56	1387	980583.06	-17.97	-65.22
10903	4606.93	12202.42	2200	980532.57	6.47	-68.46
10904	4607.92	12203.53	2570	980509.05	16.26	-71.28
10905	4608.07	12204.07	2848	980500.89	34.02	-62.98
10906	4608.84	12204.16	2800	980497.61	25.06	-70.30
10907	4610.28	12205.37	2830	980495.99	24.10	-72.29
10908	4612.31	12204.58	1880	980556.71	-7.60	-71.63
10909	4610.94	12204.72	2630	980512.81	21.11	-68.47
10911	4609.45	12205.93	3006	980488.07	33.98	-68.40
10912	4610.87	12207.13	3528	980452.57	45.44	-74.72
10913	4611.52	12207.50	4170	980406.75	59.03	-83.00
10914	4608.50	12207.11	2860	980501.69	35.30	-62.11
10915	4608.34	12208.56	2880	980510.62	46.35	-51.74
10916	4607.80	12210.11	2620	980516.15	28.24	-60.99
10917	4607.79	12212.25	2195	980539.97	12.10	-62.66
1542	4614.73	12209.57	3737	980443.73	50.44	-76.84
1544	4613.58	12209.50	4278	980402.85	62.18	-83.53
1546	4613.34	12209.40	4435	980393.92	68.38	-82.68
1548	4612.97	12209.11	4817	980369.06	80.01	-84.06
1550	4612.12	12208.81	4579	980385.30	75.14	-80.82
1551	4611.92	12208.33	4338	980401.78	69.26	-78.50
1552	4611.68	12207.87	4143	980413.94	63.44	-77.67
1554	4611.50	12207.69	3920	980429.87	58.66	-74.85
1555	4611.22	12207.65	3834	980433.67	54.79	-75.79
1556	4610.87	12207.13	3528	980453.68	46.55	-73.61
1558	4610.33	12206.50	3245	980470.92	37.99	-72.54
1559	4609.55	12206.39	3021	980483.21	30.38	-72.51
1564	4612.30	12208.25	4335	980402.87	69.49	-73.16
1599	4612.61	12208.72	399	980652.91	-51.16	-64.75
1603	4603.60	12213.78	611	980631.58	-38.96	-59.77
1605	4604.40	12211.91	1163	980600.67	-19.16	-58.77
1606	4605.15	12212.20	1308	980588.51	-18.81	-63.36
1607	4604.88	12211.04	1371	980586.45	-14.54	-61.23
1608	4604.62	12210.58	1318	980588.77	-16.81	-61.70
1609	4604.57	12209.75	1243	980593.57	-18.99	-61.33
1610	4604.30	12208.51	1192	980594.15	-22.80	-63.40
1611	4604.01	12207.97	1149	980596.68	-23.88	-63.01
1612	4603.76	12206.56	1086	980598.04	-28.07	-65.05
1613	4603.91	12205.88	1041	980599.37	-31.19	-66.65
1614	4603.53	12204.08	982	980599.84	-35.70	-69.19
1615	4603.72	12201.70	977	980601.23	-35.07	-68.34
1770	4613.07	12209.50	5061	980349.83	83.58	-88.80
1772	4612.80	12209.85	5837	980291.19	98.34	-100.47
1774	4612.46	12209.88	6556	980236.01	111.30	-112.00

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QLAD: 12200/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
1776	4612.36	12210.13	7276	980177.87	121.03	-126.79
1778	4612.29	12209.54	7724	980144.39	129.80	-133.28
1779	4612.09	12209.53	8141	980109.00	133.93	-143.35
1781	4612.05	12210.71	8790	980053.13	139.17	-160.22
1783	4612.05	12206.23	9355	980004.91	144.09	-174.54
1784	4612.02	12210.58	9485	979993.31	144.76	-178.30
1785	4611.87	12211.42	9677	979978.34	148.08	-181.52
1790	4612.43	12210.19	7255	980178.16	119.24	-127.86
1792	4612.60	12210.17	6576	980233.79	110.75	-113.23
1794	4612.90	12209.56	5677	980302.40	94.34	-99.01
1796	4612.34	12209.74	4966	980355.25	81.16	-87.98
2208	4613.21	12209.84	5006	980354.31	82.67	-87.83
2209	4613.34	12210.20	4966	980356.06	80.47	-88.68
2210	4613.34	12210.37	4889	980359.53	76.69	-89.83
2211	4613.41	12210.62	5007	980350.26	78.42	-92.12
2212	4613.48	12210.74	4857	980351.96	105.90	-59.53
2213	4613.68	12210.91	4484	980387.33	65.89	-86.84
2214	4613.73	12211.64	4490	980387.59	66.63	-86.29
2215	4613.43	12212.03	4871	980361.73	77.06	-88.84
2216	4613.31	12212.08	5033	980349.23	79.98	-91.44
2222	4605.18	12212.64	1661	980572.08	-2.08	-58.65
2223	4609.28	12212.45	1884	980559.20	-0.17	-64.34
2224	4610.19	12212.14	2260	980535.41	10.04	-66.94
2227	4607.48	12212.69	2592	980515.93	25.87	-62.41
2228	4608.19	12212.93	2885	980496.16	32.59	-65.67
2229	4609.31	12201.61	1405	980580.55	-23.92	-71.77
2230	4608.56	12212.98	3046	980484.93	35.95	-67.80
2231	4608.94	12212.47	3335	980463.93	41.56	-72.03
2233	4609.13	12212.20	3507	980462.09	55.61	-63.84
2234	4608.97	12211.40	3704	980438.61	50.90	-75.26
2239	4608.56	12213.49	3009	980486.49	34.03	-68.46
2240	4608.94	12214.15	3177	980475.22	37.98	-70.22
2241	4608.50	12214.68	2927	980491.03	30.94	-68.75
2251	4606.47	12212.67	2050	980550.39	10.87	-58.95
2252	4606.70	12213.06	2273	980537.26	18.37	-59.05
2253	4606.74	12213.52	2551	980520.02	27.22	-59.67
2255	4607.28	12213.78	2914	980497.50	38.03	-61.22
2256	4607.70	12214.10	3069	980487.87	42.35	-62.18
2257	4607.69	12214.71	3224	980478.52	47.59	-62.22
2263	4607.79	12212.25	2195	980539.52	11.65	-63.11
2264	4607.13	12211.59	2278	980535.77	16.70	-60.88
2265	4607.69	12210.99	2446	980526.41	22.30	-61.01
2266	4607.80	12210.54	2553	980520.03	25.82	-61.13
2267	4607.75	12209.72	2570	980521.20	28.56	-58.87
2268	4607.48	12213.98	3050	980495.37	48.39	-55.49
2269	4607.01	12213.93	3325	980476.36	55.96	-57.29
2271	4606.79	12208.46	3471	980465.40	59.06	-59.16
2272	4606.28	12207.53	3688	980447.34	62.18	-63.43
2273	4606.74	12207.73	3879	980431.91	64.02	-68.10
2277	4608.36	12209.72	2690	980514.00	31.83	-59.79

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
2278	4608.26	12208.75	2800	980506.96	35.29	-60.08
2279	4608.40	12207.83	2901	980498.27	35.89	-62.92
2280	4608.45	12207.24	2685	980501.25	18.48	-72.97
2281	4608.57	12207.05	2864	980500.17	34.05	-63.50
2282	4609.19	12206.27	2955	980490.95	32.46	-68.19
2283	4609.45	12205.93	3006	980487.54	33.45	-68.93
2284	4609.50	12205.59	2990	980489.48	33.81	-68.03
2285	4610.28	12205.37	2830	980495.64	23.75	-72.64
2286	4610.75	12204.97	2669	980507.73	19.98	-70.92
2287	4610.94	12204.72	2630	980509.99	18.29	-71.29
2288	4611.07	12204.77	2423	980522.36	10.99	-71.53
2290	4611.15	12203.53	1767	980560.12	-13.07	-73.26
2291	4611.77	12204.33	1753	980559.06	-16.38	-76.05
2292	4612.46	12205.04	1772	980559.06	-15.64	-75.99
2293	4613.73	12205.50	1856	980552.59	-16.12	-79.33
2294	4614.20	12205.75	2054	980542.09	-8.70	-78.66
2295	4614.93	12205.60	2437	980521.46	5.59	-77.41
2297	4610.67	12202.68	1590	980565.37	-23.75	-77.90
2298	4610.09	12201.92	1484	980575.05	-23.16	-73.71
2300	4608.60	12201.14	1345	980583.82	-25.22	-71.03
2301	4607.84	12201.09	1292	980587.68	-25.20	-69.21
2302	4607.28	12200.78	1272	980589.08	-24.84	-68.16
2303	4606.77	12201.02	1351	980584.68	-21.04	-67.05
2304	4605.91	12201.56	1387	980583.18	-17.85	-65.10
2305	4605.21	12201.07	1302	980586.19	-21.78	-66.13
2306	4605.05	12200.97	1254	980588.40	-23.85	-66.56
2308	4604.62	12200.97	1122	980597.27	-26.75	-64.96
2414	4609.65	12203.81	3570	980443.00	41.66	-79.93
2415	4609.97	12213.66	3912	980421.40	51.75	-81.50
2418	4610.40	12203.08	4590	980375.40	68.87	-87.46
2420	4610.72	12212.49	5495	980310.40	88.51	-98.65
2422	4610.90	12212.18	6320	980245.70	101.14	-114.12
2424	4611.11	12211.98	7090	980187.90	115.45	-126.03
2426	4611.38	12211.81	7928	980121.30	127.27	-142.76
2428	4611.58	12211.62	8762	980053.90	138.01	-160.42
2430	4611.70	12211.42	9426	979997.00	143.38	-177.66
2432	4611.82	12211.42	9677	979978.30	148.11	-181.48
8217	4613.85	12208.86	4160	980424.21	72.03	-69.66
8218	4613.56	12209.35	4320	980402.01	65.32	-81.82
8219	4612.94	12209.25	4840	980369.25	82.41	-82.44
8220	4613.04	12208.91	5048	980352.97	85.54	-86.39
8222	4612.01	12209.08	4520	980334.58	19.04	-134.91
8223	4611.82	12209.03	4900	980326.60	47.09	-119.80
8224	4611.49	12207.52	4170	980385.51	37.83	-104.20
8225	4612.80	12208.04	4885	980360.55	78.15	-88.23
8233	4613.89	12205.60	1920	980550.69	-12.24	-77.64
8234	4612.28	12204.92	1880	980557.92	-6.35	-70.38
8235	4611.15	12203.53	1767	980557.03	-16.16	-76.35
8236	4609.83	12205.40	2880	980496.57	30.06	-68.04
8237	4608.46	12207.15	2860	980502.46	36.13	-61.28

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8238	4609.90	12207.85	3300	980451.81	24.70	-87.70
8239	4609.02	12209.21	3440	980462.90	50.28	-66.88
8240	4608.33	12208.60	2880	980506.50	42.25	-55.84
8241	4607.77	12210.16	2620	980515.82	27.96	-61.28
8242	4606.91	12212.13	2230	980535.52	12.27	-63.68
8243	4604.53	12212.37	1410	980588.47	-8.32	-56.35
8250	4605.95	12212.35	1850	980559.05	1.50	-61.51
8251	4606.59	12212.47	2040	980548.73	8.09	-61.39
8252	4607.80	12213.08	2724	980505.44	27.31	-65.46
8253	4608.06	12212.86	2880	980497.17	33.33	-64.77
8254	4608.55	12210.89	3520	980449.65	45.27	-74.63
8255	4608.55	12210.42	3440	980448.87	36.96	-80.21
8256	4608.62	12213.88	3065	980484.38	37.09	-67.30
8285	4603.70	12212.13	640	980631.27	-36.70	-58.49
8287	4607.20	12213.88	3040	980493.50	46.00	-57.54
8292	4605.79	12209.89	2160	980520.12	-8.03	-81.59
8293	4606.74	12208.51	3360	980466.19	49.48	-64.96
8295	4607.82	12205.06	2400	980525.61	16.98	-64.77
8296	4609.56	12205.55	2900	980450.06	25.84	-72.94
8297	4608.82	12204.18	2880	980498.14	33.15	-64.94
8298	4607.92	12203.50	2570	980509.61	16.82	-70.72
8299	4606.93	12202.41	2200	980533.41	7.31	-67.62
8300	4605.91	12201.56	1374	980583.83	-18.43	-65.23
8301	4603.85	12201.58	1040	980599.97	-30.60	-66.02
8424	4603.85	12201.59	1040	980599.97	-30.60	-66.02
8425	4603.53	12204.08	982	980600.77	-34.77	-68.22
8426	4603.87	12206.00	1180	980600.88	-16.55	-56.74
8427	4604.07	12208.95	1360	980593.41	-7.39	-53.71
8429	4605.91	12201.56	1374	980583.83	-18.43	-65.23
8430	4605.41	12202.29	1330	980579.88	-25.76	-71.06
8540	4602.42	12202.16	1110	980594.31	-27.52	-65.32
8542	4601.57	12205.37	1020	980591.28	-37.73	-72.47
8603	4602.87	12211.72	1900	980560.06	11.86	-52.85
8604	4602.85	12209.82	1630	980568.75	-4.81	-60.33
8605	4602.33	12207.90	1900	980561.65	14.27	-50.45
8606	4601.25	12207.88	2400	980534.84	36.11	-45.63
8607	4600.74	12210.14	2480	980531.20	40.77	-43.70

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1811	4603.01	12218.15	581	980641.25	-31.22	-51.01
A1959	4605.91	12229.18	1522	980595.38	7.04	-44.80
A1965	4601.66	12218.88	492	980652.67	-26.14	-42.90
1598	4600.41	12220.76	520	980654.07	-20.22	-37.93
1601	4603.41	12217.54	433	980645.10	-41.90	-56.65
1602	4603.69	12215.63	459	980636.02	-48.96	-64.55
2242	4608.43	12215.39	2745	980501.81	24.71	-68.78
2243	4608.20	12217.05	2511	980516.28	17.52	-68.01
2244	4608.11	12217.11	3404	980464.31	49.68	-66.26
2245	4608.63	12215.50	2682	980506.98	23.65	-67.70
2258	4607.80	12215.27	3322	980471.91	50.03	-63.11
8257	4608.75	12216.50	2560	980508.12	13.14	-74.06
8258	4611.72	12215.24	4000	980424.43	60.42	-75.82
8259	4610.21	12215.53	3287	980469.77	40.97	-70.99
8260	4610.69	12217.50	2800	980492.18	16.85	-78.52
8261	4611.88	12216.20	3130	980481.07	34.98	-71.63
8262	4608.43	12219.53	2000	980553.41	6.23	-61.88
8263	4607.16	12220.00	1630	980582.65	2.59	-52.93
8264	4605.59	12219.09	1541	980586.92	0.85	-51.63
8270	4603.95	12218.18	1220	980605.28	-8.51	-50.06
8271	4604.69	12218.39	1670	980581.10	8.52	-48.36
8273	4607.18	12218.81	1950	980547.59	-2.40	-68.82
8275	4604.52	12228.40	1270	980622.66	12.72	-30.54
8276	4604.40	12226.64	960	980626.90	-12.02	-44.72
8277	4605.25	12225.23	1062	980618.03	-12.58	-48.75
8278	4606.11	12223.30	1250	980612.41	-1.81	-44.39
8279	4606.47	12221.56	1350	980606.75	1.39	-44.59
8280	4605.89	12220.10	1600	980584.53	3.56	-50.94
8281	4604.69	12219.13	1575	980586.42	4.91	-48.74
8284	4603.81	12215.85	510	980632.70	-47.66	-65.03
8288	4607.70	12215.00	3280	980479.08	53.40	-58.31
8289	4607.65	12216.55	3600	980447.82	52.32	-70.30
8290	4606.26	12216.86	2780	980520.42	49.88	-44.80
8303	4603.32	12215.15	660	980638.23	-27.28	-49.76
8304	4602.78	12217.21	520	980641.88	-35.99	-53.70
8305	4601.32	12217.88	520	980645.22	-30.44	-48.16
8306	4600.47	12218.63	530	980646.99	-26.45	-44.50
8311	4603.49	12218.50	810	980632.17	-19.49	-47.08
8312	4605.59	12221.60	2725	980522.06	47.36	-45.45
8313	4604.33	12221.32	3050	980501.36	59.13	-44.75
8314	4603.89	12222.14	3682	980474.14	52.02	-33.39
8315	4603.03	12223.15	2160	980543.81	19.83	-53.74
8316	4602.12	12222.21	2360	980540.08	36.28	-44.10
8318	4602.18	12225.73	2620	980532.11	52.68	-36.56
8319	4602.52	12226.76	2710	980532.23	60.75	-31.55
8320	4602.74	12225.06	2580	980540.11	56.07	-31.81
8323	4605.82	12228.89	2400	980542.02	36.40	-45.34
8324	4606.84	12227.77	2900	980513.75	53.63	-45.15
8325	4607.79	12229.22	3030	980505.93	56.60	-46.60

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4600

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8326	4608.36	12227.77	2805	980516.54	45.19	-50.35
8327	4606.76	12225.92	2110	980557.67	23.36	-48.51
8330	4607.38	12221.46	1465	980597.69	1.78	-48.12
8331	4609.46	12219.90	2280	980538.00	15.61	-62.05
8332	4610.16	12220.34	3180	980510.12	71.33	-36.58
8333	4610.90	12221.38	3480	980467.37	55.68	-62.85
8334	4609.77	12219.15	2760	980474.73	-2.98	-96.98
8335	4610.85	12219.30	3750	980442.98	56.76	-70.96
8336	4607.03	12222.91	1640	980587.69	8.76	-47.09
8337	4608.84	12223.23	2620	980526.49	37.01	-52.22
8338	4610.16	12224.59	3010	980502.13	47.35	-55.17
8339	4611.92	12225.78	2591	980532.69	35.84	-52.41
8340	4612.63	12223.33	3460	980484.21	69.03	-49.82
8341	4612.90	12226.26	2010	980577.45	24.48	-43.98
8342	4613.81	12227.44	1257	980616.71	-8.46	-51.28
8343	4614.32	12225.04	2302	980551.16	23.51	-54.89
8573	4614.32	12225.04	2302	980551.16	23.51	-54.89
8574	4614.63	12218.30	4140	980427.46	72.23	-68.78
8608	4601.79	12216.21	2400	980518.35	18.82	-62.92
8609	4600.68	12216.02	2460	980485.85	-6.37	-90.16
8794	4600.74	12225.33	2080	980551.36	23.30	-47.54
8795	4601.08	12227.05	1750	980560.78	1.17	-58.43

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
5156	4623.76	12105.50	4700	980377.50	61.18	-98.90
5158	4620.87	12111.26	3300	980446.10	2.45	-109.95
5160	4617.20	12109.62	4353	980385.90	46.83	-101.43
5169	4622.60	12101.05	4333	980401.60	52.51	-95.07
5170	4621.53	12102.33	4691	980375.20	61.39	-98.38
5171	4621.12	12105.47	4955	980357.60	69.24	-99.52

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3719	4625.38	12128.36	3927	980437.16	45.69	-88.06
3740	4619.76	12128.42	4897	980336.55	44.79	-122.00
3742	4618.75	12125.21	4435	980389.47	55.77	-95.28
3743	4618.36	12122.38	3799	980406.31	13.38	-116.01
3745	4617.76	12121.80	3684	980411.45	8.61	-116.87
5173	4619.34	12115.30	3000	980450.40	-19.16	-121.34
5174	4621.82	12116.82	4754	980347.90	39.58	-122.34
5928	4629.19	12129.25	4667	980388.50	60.89	-98.06
7418	4623.92	12122.26	4892	980358.20	59.70	-106.92
7419	4624.01	12123.04	5205	980346.20	77.00	-100.28
7420	4623.40	12122.15	4929	980354.50	60.26	-107.62
7421	4623.92	12122.26	4892	980358.80	60.30	-106.32
7422	4623.66	12118.55	6410	980232.00	76.67	-141.65
7423	4622.68	12119.89	5598	980292.00	61.77	-128.85
7424	4622.22	12118.58	5232	980317.50	53.54	-124.66
7425	4622.06	12117.38	4952	980334.60	44.54	-124.12
7426	4621.58	12116.48	4674	980351.40	35.92	-123.28
7427	4621.82	12115.49	4578	980359.00	34.13	-121.80
7430	4615.18	12120.89	4574	980357.00	41.76	-114.03
7444	4615.33	12116.88	2898	980454.80	-18.31	-117.02
7445	4615.51	12116.01	2874	980458.20	-17.44	-115.33
7446	4615.79	12116.30	2861	980457.80	-19.48	-116.93
7447	4615.36	12115.51	2858	980462.90	-14.02	-111.36
7448	4619.49	12115.14	3037	980450.70	-15.61	-119.05
7449	4620.01	12115.13	3431	980427.90	-2.13	-118.99
7450	4620.90	12115.41	4435	980367.60	30.66	-120.39
7451	4620.97	12116.73	4482	980362.20	29.58	-123.08
7452	4621.24	12117.12	4637	980353.60	35.15	-122.78
7453	4621.42	12117.69	4908	980336.60	43.37	-123.80
7454	4620.48	12116.58	4379	980367.00	25.43	-123.72
7455	4617.85	12116.07	2919	980452.90	-22.03	-121.45
7456	4618.55	12117.29	4038	980386.90	16.16	-121.37
7457	4618.42	12118.43	4164	980350.70	-7.99	-149.81
7458	4619.49	12119.09	4666	980353.50	40.42	-118.51
7459	4620.73	12119.48	4802	980345.40	43.24	-120.32
7460	4621.50	12119.95	5130	980324.20	51.73	-123.00
7461	4616.85	12117.72	3228	980438.80	-5.56	-115.51
7462	4616.29	12117.41	2945	980452.00	-18.14	-118.44
7463	4616.89	12119.12	3231	980436.60	-7.54	-117.59
7464	4616.56	12118.77	3047	980446.00	-14.95	-118.73
7465	4616.65	12119.54	3289	980432.40	-5.92	-117.95
7466	4617.93	12121.63	3664	980413.20	8.22	-116.58
7467	4619.00	12123.18	4001	980397.80	22.91	-113.37
7468	4619.33	12127.43	4800	980345.70	45.46	-118.03
7469	4618.89	12127.93	4889	980339.50	48.30	-118.22
7474	4620.00	12129.99	5387	980304.10	58.07	-125.41
7634	4617.03	12125.85	5183	980325.80	65.05	-111.48
7635	4616.73	12126.11	5453	980303.70	68.80	-116.93
7636	4618.49	12124.38	4160	980394.80	35.63	-106.06

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
7637	4618.49	12124.38	4160	980394.80	35.63	-106.06
7639	4616.39	12122.37	4429	980371.00	40.30	-110.55
7640	4616.06	12123.55	4774	980348.60	50.85	-111.76
7641	4615.66	12123.69	4980	980347.30	69.52	-100.09
7684	4625.58	12129.30	3821	980436.80	35.06	-95.08
7695	4615.19	12128.68	6340	980255.30	106.15	-109.78
7696	4615.69	12128.94	5970	980283.30	98.60	-104.74
7697	4616.02	12129.43	5893	980286.50	94.06	-106.66
8661	4623.78	12129.04	5210	980337.90	69.52	-107.93
8662	4622.70	12129.81	5088	980342.72	64.49	-108.80
8665	4624.84	12128.59	5713	980289.94	67.27	-127.31
8666	4624.04	12127.69	5712	980301.98	80.43	-114.12
8667	4623.43	12126.51	5058	980348.19	66.04	-106.23
8668	4624.63	12124.06	4965	980363.56	70.85	-98.25
8669	4625.03	12125.08	4650	980384.04	61.10	-97.28
8670	4625.08	12126.83	3926	980424.79	33.68	-100.04
8673	4626.07	12126.84	6106	980282.41	94.86	-113.11
8674	4626.74	12126.18	5954	980296.92	94.06	-108.73
8675	4627.05	12125.83	5710	980323.23	96.95	-97.53
8676	4628.06	12127.25	6278	980277.67	103.30	-110.53
8680	4629.67	12118.34	4100	980407.89	26.23	-113.42
8682	4628.16	12121.42	5258	980337.89	67.42	-111.66
8684	4628.55	12123.00	6340	980273.13	103.85	-112.09
8685	4629.28	12121.97	6085	980280.06	85.69	-121.56

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
3721	4621.06	12131.38	4443	980381.28	44.86	-106.47
3723	4616.17	12134.67	4719	980361.08	57.99	-102.74
5263	4617.35	12139.91	3337	980448.20	13.34	-100.32
5264	4619.07	12143.80	2521	980498.50	-15.71	-101.57
5265	4622.40	12143.43	1963	980531.50	-39.81	-106.67
5304	4620.42	12138.89	2583	980493.40	-17.01	-104.59
5923	4627.77	12131.33	4604	980391.50	60.11	-96.70
5924	4629.28	12130.42	6197	980283.50	99.67	-111.40
7229	4615.83	12137.88	4221	980396.60	47.18	-96.59
7230	4615.66	12137.86	4197	980399.50	48.08	-94.87
7231	4615.36	12137.52	4141	980401.70	45.46	-95.58
7232	4616.09	12136.21	4334	980388.00	48.81	-98.80
7233	4617.02	12136.59	4302	980387.00	43.40	-103.12
7234	4617.11	12136.12	4392	980381.50	46.23	-103.36
7235	4617.61	12135.73	4370	980385.00	46.91	-101.93
7236	4617.38	12137.04	4238	980391.00	40.84	-103.51
7239	4615.77	12137.21	4694	980362.70	57.86	-102.02
7240	4616.35	12133.86	4633	980370.60	59.15	-98.65
7241	4617.33	12133.10	4584	980371.20	53.66	-102.47
7242	4618.07	12132.61	4466	980380.80	51.05	-101.07
7243	4618.62	12133.58	4140	980403.20	41.95	-99.06
7244	4618.70	12132.73	4361	980388.50	47.92	-100.62
7245	4620.22	12132.06	4340	980390.10	45.25	-102.57
7246	4620.15	12133.58	3830	980421.80	29.09	-101.36
7247	4621.70	12132.73	3782	980427.60	28.04	-100.78
7248	4621.95	12134.15	3103	980470.20	6.39	-99.29
7249	4621.20	12135.91	2965	980475.70	0.04	-100.94
7250	4620.20	12138.64	2552	980496.90	-16.10	-103.02
7251	4618.91	12136.96	3183	980455.90	4.20	-104.21
7252	4618.43	12137.63	3635	980429.80	21.34	-102.47
7253	4617.84	12137.34	4029	980404.40	33.89	-103.34
7254	4617.25	12136.99	4266	980388.70	41.37	-103.93
7257	4619.64	12137.99	2675	980487.40	-13.18	-104.29
7258	4624.18	12131.95	3295	980463.50	14.39	-97.83
7259	4624.84	12131.03	3270	980464.90	12.45	-98.93
7260	4623.51	12131.54	3996	980417.70	35.54	-100.57
7261	4624.98	12133.03	3276	980464.50	12.40	-99.18
7262	4626.68	12132.64	3828	980438.00	35.26	-95.12
7263	4624.46	12134.54	4290	980401.30	45.36	-100.76
7264	4623.81	12136.82	4911	980359.90	63.35	-103.92
7265	4623.83	12137.80	4166	980405.50	38.85	-103.05
7266	4623.31	12138.90	3838	980424.60	27.88	-102.84
7267	4622.84	12139.91	4245	980400.70	42.97	-101.62
7268	4621.76	12139.06	4031	980410.60	34.37	-102.93
7269	4621.25	12137.00	2834	980480.30	-7.75	-104.28
7270	4620.74	12140.92	2283	980509.50	-29.61	-107.37
7271	4620.54	12139.74	2466	980499.20	-22.40	-106.39
7274	4627.49	12144.94	1815	980553.70	-39.60	-101.42
7275	4626.13	12139.41	2392	980508.80	-28.18	-109.65

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
7276	4626.39	12136.11	2845	980482.50	-12.27	-109.17
7277	4626.81	12142.16	2135	980527.80	-34.38	-107.10
7278	4626.39	12141.26	2627	980497.90	-17.37	-106.85
7279	4626.43	12143.59	3568	980448.50	21.68	-99.85
7280	4627.17	12144.87	2398	980521.10	-16.89	-98.56
7281	4624.72	12144.52	1714	980553.40	-45.23	-103.61
7282	4624.44	12144.36	1786	980550.10	-41.34	-102.17
7283	4623.70	12143.85	1994	980534.10	-36.66	-104.57
7288	4615.07	12138.08	3794	980424.50	36.06	-93.16
7300	4616.17	12134.67	4719	980361.70	58.61	-102.12
7303	4618.38	12130.54	4625	980366.70	51.43	-106.09
7304	4617.05	12130.23	5231	980330.80	74.54	-103.63
7305	4615.72	12131.07	5772	980293.90	90.53	-106.06
7306	4615.07	12131.90	6084	980273.40	100.36	-106.86
7307	4616.19	12132.59	5265	980326.40	74.63	-104.69
7472	4620.93	12130.60	4510	980377.10	47.17	-106.44
7473	4620.71	12130.39	4574	980371.20	47.62	-108.17
7685	4621.69	12130.27	5236	980327.90	85.12	-113.22

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3771	4626.91	12150.03	1326	980584.53	-53.90	-99.06
5269	4627.43	12157.89	1110	980605.60	-53.93	-91.73
5270	4625.41	12159.60	1708	980571.40	-28.83	-87.01
5271	4621.69	12158.22	2552	980508.70	-6.54	-93.46
5273	4618.67	12155.55	3920	980424.70	42.68	-90.83
5274	4617.32	12157.91	4080	980414.00	49.07	-89.90
5305	4626.14	12145.90	1586	980567.00	-45.81	-99.83
5308	4624.13	12148.20	2232	980529.00	-20.02	-96.04
5309	4620.50	12147.47	2758	980497.00	2.93	-91.01
5310	4617.59	12147.53	3120	980472.20	16.56	-89.70
5311	4626.44	12155.58	1273	980588.90	-53.80	-97.16
5312	4623.90	12152.15	4925	980355.00	60.01	-107.87
5313	4621.52	12154.14	4702	980369.80	57.04	-103.11
5314	4617.25	12152.36	3863	980436.50	51.26	-80.31
8355	4628.77	12156.63	1206	980601.35	-51.17	-92.24
8356	4628.09	12154.52	1335	980592.35	-47.01	-92.48
8358	4626.71	12159.95	1052	980614.97	-48.93	-84.76
8359	4626.04	12156.37	1166	980593.71	-58.45	-98.17
8361	4627.00	12152.13	1331	980589.95	-48.14	-93.47
8362	4627.02	12147.40	1391	980582.69	-49.79	-97.17
8363	4628.64	12153.56	1466	980588.11	-39.75	-89.69
8368	4625.35	12152.20	4010	980408.64	25.02	-111.56
8370	4622.60	12153.28	4533	980378.03	47.75	-106.64
8371	4620.83	12155.57	5306	980319.33	64.43	-116.30
8372	4618.44	12158.46	3397	980459.74	28.88	-86.82
8373	4619.50	12158.29	2799	980495.92	7.21	-88.12
8384	4623.53	12159.25	2323	980530.03	-9.52	-88.65
8386	4622.57	12159.49	2890	980494.15	9.37	-89.06
8387	4620.87	12159.59	2896	980494.48	12.83	-85.81
8391	4617.75	12154.20	4003	980421.08	48.26	-88.08
8392	4619.83	12153.60	3022	980474.96	6.73	-96.20
8393	4620.84	12151.26	2264	980519.07	-21.98	-99.09
8394	4618.32	12150.87	2699	980494.08	-2.26	-94.18
8395	4616.42	12150.28	3220	980462.47	18.00	-91.67
8396	4622.39	12151.12	2020	980507.07	-59.27	-128.07
8397	4624.25	12149.29	1930	980544.14	-33.47	-99.20
8398	4625.94	12150.38	1324	980584.70	-52.45	-97.55
8399	4626.33	12150.79	1288	980587.32	-53.81	-97.68

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1726	4629.90	12211.28	766	980644.95	-50.66	-76.74
A1735	4628.60	12214.10	619	980652.72	-54.75	-75.84
A1767	4615.90	12209.60	3203	980481.06	35.78	-73.32
1539	4615.83	12210.80	2872	980500.43	24.12	-73.70
1570	4615.95	12208.62	3235	980477.40	35.05	-75.13
1572	4615.85	12211.82	2422	980495.70	-22.97	-105.46
1574	4616.00	12213.53	2674	980510.50	15.31	-75.77
7131	4628.50	12206.80	888	980636.54	-45.48	-75.73
7132	4629.80	12204.35	972	980631.86	-44.22	-77.32
7133	4628.20	12203.10	920	980626.21	-52.35	-83.68
7134	4626.90	12204.40	1034	980609.15	-56.73	-91.94
7135	4625.00	12202.88	2140	980551.71	-7.27	-80.16
7136	4623.37	12203.90	2100	980547.48	-12.81	-84.33
7137	4621.24	12203.84	3307	980478.54	34.99	-77.64
7138	4621.12	12206.35	2900	980500.19	18.54	-80.23
7139	4627.80	12209.82	800	980640.23	-49.01	-76.26
7140	4626.60	12214.85	2300	980548.68	2.34	-76.00
8211	4615.73	12210.26	3181	980478.76	31.67	-76.68
8213	4617.59	12207.10	3199	980476.78	28.57	-80.38
8230	4615.78	12206.78	4310	980405.88	64.90	-81.89
8231	4616.98	12204.74	3900	980435.77	54.42	-78.41
8232	4615.34	12205.35	2800	980495.75	13.41	-81.56
8347	4615.74	12208.11	3198	980479.85	34.34	-74.58
8350	4617.90	12210.02	4567	980401.77	81.77	-73.78
8351	4618.72	12208.00	5841	980305.79	104.39	-94.56
8374	4619.10	12201.05	3600	980456.37	43.61	-79.01
8375	4616.94	12204.85	3950	980435.38	58.79	-75.74
8376	4618.50	12203.50	3680	980453.07	48.74	-76.60
8377	4619.07	12202.69	4080	980431.62	64.05	-74.91
8379	4629.71	12200.10	930	980621.85	-58.04	-89.72
8383	4626.43	12201.89	1820	980577.97	-13.27	-75.26
8385	4623.95	12200.44	3600	980459.38	39.31	-83.31
8388	4621.61	12200.24	4260	980413.58	59.11	-85.98
8389	4620.34	12201.50	3600	980450.02	35.39	-87.23
8390	4620.63	12202.18	4820	980375.08	74.76	-89.40
8558	4624.35	12214.42	3485	980472.40	40.91	-77.79
8691	4617.10	12212.28	3063	980489.29	29.03	-75.29
8692	4617.38	12213.19	2746	980506.24	15.74	-77.79
8693	4617.68	12213.53	3566	980455.96	42.14	-79.32
8694	4618.33	12212.46	4170	980422.08	64.09	-77.94
8697	4619.75	12212.31	4430	980402.33	66.66	-84.23
8698	4619.48	12214.49	4234	980423.45	69.75	-74.46
8703	4619.81	12214.05	4090	980434.06	66.32	-72.99
8707	4619.69	12211.56	5450	980326.90	87.26	-98.37
8708	4619.66	12211.31	5619	980311.64	87.94	-103.44
8709	4619.93	12209.08	4900	980390.37	98.63	-68.26
8710	4619.94	12207.09	4520	980401.57	74.08	-79.87
8711	4619.94	12206.55	4337	980411.90	67.19	-80.52
8712	4619.30	12206.31	4280	980414.52	65.42	-80.36

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QLAD: 12200/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8713	4618.66	12206.31	4508	980402.92	76.23	-77.32
8714	4618.22	12206.69	3689	980449.08	46.01	-79.63
8718	4617.75	12204.84	3590	980457.76	46.09	-76.18
8721	4627.66	12213.14	1535	980592.77	-27.13	-79.41
8722	4626.64	12213.02	2235	980551.41	-1.11	-77.23
8723	4625.54	12214.25	2235	980554.18	3.32	-72.80
8724	4625.41	12212.89	3280	980486.94	34.57	-77.15
8725	4624.81	12211.86	3600	980472.10	50.73	-71.88
8726	4624.25	12210.99	3500	980482.05	52.12	-67.09
8727	4624.92	12210.48	3880	980452.01	56.81	-75.34
8728	4626.39	12210.97	2717	980525.16	18.36	-74.19
8729	4627.58	12214.45	800	980637.67	-51.24	-78.45
8730	4627.08	12206.01	1600	980587.51	-25.40	-79.90
8731	4626.85	12203.37	2410	980535.78	-0.59	-82.68
9733	4618.75	12207.97	5778	980311.18	103.81	-92.99
9735	4617.99	12210.35	5727	980306.48	95.46	-99.61
9736	4619.68	12207.67	5050	980365.87	88.62	-83.38
9737	4619.93	12207.90	4653	980388.25	73.28	-85.20
9738	4620.48	12209.15	4903	980375.97	83.69	-83.31
9739	4619.77	12210.20	4720	980390.52	82.09	-78.67
9740	4620.02	12213.88	3982	980439.44	61.22	-74.41
9741	4621.24	12213.89	3582	980452.38	34.70	-87.30
9744	4619.21	12210.90	3937	980437.33	56.10	-77.99
9745	4616.51	12210.33	4730	980379.23	76.66	-84.44
9746	4617.63	12209.11	3507	980465.65	46.35	-73.09
9747	4617.44	12207.59	3417	980462.46	34.99	-81.40
9749	4616.83	12203.87	3610	980454.14	45.74	-77.22
9750	4617.77	12204.83	3608	980457.49	47.48	-75.40

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1736	4628.27	12216.37	585	980654.09	-56.08	-76.01
A1737	4628.88	12218.80	630	980654.05	-52.81	-74.27
A1738	4627.91	12220.54	553	980666.32	-46.32	-65.16
A1931	4617.00	12216.34	2173	980545.54	1.72	-72.29
A1932	4617.00	12218.17	1982	980559.23	-2.56	-70.06
A1933	4616.73	12219.63	1888	980565.58	-4.64	-68.55
A1934	4617.27	12222.76	1531	980594.72	-9.90	-62.04
A1935	4618.39	12226.34	1250	980618.98	-13.75	-56.33
A1936	4618.93	12227.85	1160	980628.69	-13.32	-52.83
A1937	4619.16	12229.69	1045	980637.65	-15.53	-51.12
8344	4615.88	12224.33	3405	980482.94	56.69	-59.25
8345	4616.93	12225.59	2880	980518.14	40.92	-57.17
8405	4628.67	12229.76	702	980680.67	-19.10	-43.01
8406	4628.44	12227.98	723	980673.69	-23.76	-48.38
8407	4629.54	12226.90	1145	980650.96	-8.45	-47.45
8408	4628.10	12226.80	804	980643.17	-46.15	-73.53
8409	4627.29	12224.61	1525	980615.25	-5.03	-56.97
8410	4626.51	12223.37	1916	980587.67	5.34	-59.92
8411	4627.56	12220.49	2012	980576.96	2.08	-66.45
8412	4625.70	12222.41	2211	980567.99	14.62	-60.69
8413	4624.85	12223.49	2520	980553.12	30.11	-55.72
8414	4625.87	12224.71	2030	980579.36	8.72	-60.42
8415	4625.90	12227.44	1752	980606.86	10.03	-49.65
8545	4627.48	12229.54	1259	980639.45	-6.14	-49.02
8546	4624.21	12229.56	1140	980644.39	-7.46	-46.29
8547	4622.99	12227.44	1360	980627.65	-1.67	-47.99
8548	4624.02	12225.39	1780	980600.80	9.43	-51.19
8549	4623.30	12224.45	2060	980582.19	18.24	-51.92
8550	4624.26	12221.66	2310	980565.17	23.29	-55.35
8551	4625.50	12219.88	2420	980549.09	15.69	-66.73
8552	4625.80	12218.51	2852	980518.94	25.72	-71.42
8553	4623.23	12221.78	1450	980618.63	-2.59	-51.97
8554	4623.40	12219.76	1491	980606.06	-11.56	-62.34
8555	4624.77	12217.73	2200	980558.53	5.54	-69.39
8556	4625.87	12217.10	2663	980528.86	17.76	-72.94
8557	4623.30	12217.05	2355	980544.42	8.22	-71.99
8559	4622.75	12218.15	1520	980595.88	-18.03	-69.80
8563	4619.40	12225.33	1740	980591.35	3.18	-56.08
8564	4619.84	12223.41	1925	980580.59	9.16	-56.40
8565	4621.13	12222.04	2810	980523.78	33.65	-62.06
8566	4621.01	12220.56	3230	980494.84	44.40	-65.62
8567	4620.35	12218.85	3610	980466.19	52.48	-70.47
8568	4619.79	12220.27	3240	980484.79	37.13	-73.23
8569	4618.22	12221.63	2600	980538.41	32.91	-55.64
8570	4618.23	12224.56	1360	980605.63	-16.52	-62.84
8571	4617.67	12229.05	2315	980549.88	18.41	-60.44
8580	4622.08	12224.85	1580	980612.76	5.50	-48.31
8581	4620.99	12225.55	2283	980563.38	23.89	-53.87
8695	4617.34	12215.78	2289	980536.80	3.38	-74.59

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4615

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
8696	4617.44	12215.73	2260	980539.89	3.59	-73.39
8702	4619.44	12215.39	3690	980454.11	49.30	-76.38
8704	4618.59	12216.07	3430	980481.58	53.60	-63.23

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4630

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10462	4640.30	12105.20	2608	980531.85	-6.16	-94.99
10466	4643.03	12105.97	6223	980294.67	92.57	-119.38
10467	4643.20	12103.82	6022	980310.26	89.00	-116.11
10468	4642.94	12107.59	5705	980329.85	79.16	-115.15
10469	4644.64	12107.77	5169	980371.18	67.52	-108.54
10470	4641.50	12104.42	3255	980489.61	10.64	-100.22
10471	4638.53	12110.84	2986	980503.47	3.68	-98.03
10472	4639.39	12107.76	2922	980511.62	4.51	-95.01
10474	4640.16	12108.58	3660	980468.72	29.87	-94.79
10475	4638.53	12106.84	2973	980511.15	10.13	-91.13
10476	4636.73	12106.41	3712	980458.82	30.03	-96.40
10477	4637.47	12106.24	3503	980475.35	25.78	-93.53
10478	4637.86	12106.77	3228	980494.15	18.13	-91.82
10481	4640.44	12102.43	2426	980540.08	-15.26	-97.85
10482	4640.28	12100.17	2297	980549.16	-18.08	-96.31
10484	4639.63	12102.87	3302	980485.87	14.14	-98.32
10485	4638.35	12104.03	3755	980459.89	32.70	-95.20
10486	4637.34	12104.17	4292	980423.22	48.06	-98.12
10487	4634.99	12108.44	4769	980388.69	61.94	-100.49
10488	4636.04	12108.04	3965	980443.22	39.26	-95.79
10489	4637.19	12108.97	3117	980497.09	11.64	-94.53
10490	4635.42	12113.69	3464	980460.21	10.06	-107.92
10491	4633.97	12113.87	4552	980393.27	47.64	-107.40
10492	4634.58	12114.44	3602	980447.23	11.33	-111.38
10493	4636.52	12112.72	4184	980424.93	40.85	-101.66
10494	4637.12	12113.58	4125	980426.81	36.27	-104.22
10496	4637.71	12112.95	3210	980483.36	5.87	-103.46
10497	4637.67	12110.78	2991	980501.57	3.54	-98.33
5598	4638.50	12113.40	2959	980496.30	-5.99	-106.77
5599	4638.70	12109.00	3016	980506.90	9.67	-93.05
5600	4637.20	12108.92	3117	980496.10	10.63	-95.53
5601	4635.40	12113.70	3464	980459.30	9.18	-108.80
5602	4640.30	12105.20	2608	980530.90	-7.11	-95.94
5603	4643.00	12106.00	6223	980295.10	93.05	-118.91
5604	4643.00	12109.80	6335	980287.70	96.18	-119.59
5605	4640.20	12100.18	2288	980549.00	-18.96	-96.85

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4630

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
10495	4637.54	12115.44	3334	980471.12	5.55	-108.01
10844	4637.62	12123.24	5961	980296.65	78.06	-124.98
10845	4636.55	12123.97	6375	980259.78	81.74	-135.39
10846	4635.40	12124.12	6652	980242.11	91.86	-134.71
10847	4634.47	12125.25	5472	980330.01	70.17	-116.21
10848	4633.33	12125.15	4800	980379.42	58.08	-105.40
10851	4639.87	12116.72	3347	980472.24	4.38	-109.62
10852	4634.82	12121.47	3281	980455.08	-11.38	-123.13
10853	4636.41	12120.15	3174	980463.81	-15.11	-123.21
10854	4637.52	12117.99	3020	980480.00	-15.07	-117.94
3863	4638.75	12127.62	3406	980455.99	-4.63	-120.64
3864	4637.73	12125.04	4106	980421.58	28.34	-111.51
3865	4638.68	12122.93	4413	980404.39	38.59	-111.71
3866	4639.29	12121.53	4207	980415.35	29.26	-114.03
3867	4637.73	12116.28	2989	980490.29	-8.02	-109.82
3868	4637.39	12116.64	3083	980480.32	-8.63	-113.64
3869	4635.53	12116.01	5067	980362.01	62.47	-110.11
3870	4634.71	12116.77	5452	980336.48	74.39	-111.30
3871	4636.08	12116.33	4885	980373.93	56.45	-109.94
3872	4636.47	12115.15	4696	980388.84	52.99	-106.95
5590	4639.14	12124.57	5208	980361.80	70.09	-107.30
5591	4639.56	12124.77	5297	980359.00	75.03	-105.39
5592	4641.73	12123.72	5083	980373.60	66.23	-106.90
5593	4642.37	12122.76	5191	980361.50	63.32	-113.48
5594	4642.73	12121.09	6343	980269.60	79.24	-136.80
5596	4644.20	12122.49	5158	980366.70	62.66	-113.02
5925	4630.61	12129.78	6778	980242.00	110.81	-120.04
5926	4631.22	12129.07	6420	980280.20	114.42	-104.24
5927	4630.71	12127.18	7920	980156.50	132.58	-137.17
8679	4630.20	12117.28	4080	980409.84	25.50	-113.47

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4630

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
2884	4635.37	12141.20	1026	980609.05	-70.34	-105.29
2885	4641.18	12134.68	1565	980591.17	-46.28	-99.58
3715	4632.72	12137.40	1902	980551.74	-41.26	-106.04
3734	4632.31	12137.06	1940	980539.82	-48.99	-115.07
4066	4636.42	12140.49	1053	980610.61	-67.82	-103.69
4068	4634.35	12142.38	1007	980613.47	-66.17	-100.47
4069	4633.57	12143.33	990	980610.66	-69.41	-103.12
4082	4637.27	12139.71	1127	980609.52	-63.23	-101.62
4083	4638.97	12136.74	1230	980605.88	-59.75	-101.64
4084	4640.23	12135.29	1443	980597.01	-50.48	-99.63
4087	4636.80	12140.74	1060	980611.52	-66.83	-102.93
4088	4637.24	12141.03	1109	980609.95	-64.45	-102.22
4089	4639.55	12137.25	1184	980609.45	-61.38	-101.70
4108	4633.70	12141.96	1473	980582.50	-52.33	-102.50
4109	4633.50	12141.72	1906	980556.17	-37.63	-102.55
4111	4631.87	12140.34	2649	980502.71	-18.75	-108.97
4113	4630.44	12141.64	3760	980437.97	23.17	-104.90
4117	4631.16	12141.67	5553	980308.85	61.61	-127.52
4118	4631.87	12141.42	5490	980309.23	55.00	-131.99
4123	4630.99	12140.81	3244	980468.11	3.94	-106.55
4131	4640.53	12134.17	1784	980574.58	-41.29	-102.05
4133	4640.28	12132.25	2606	980528.15	-10.02	-98.78
4134	4640.91	12133.41	2110	980557.35	-28.43	-100.29
4137	4639.89	12136.03	1217	980608.03	-60.20	-101.66
4139	4640.84	12136.08	2083	980562.17	-26.04	-96.99
4140	4638.02	12137.40	1567	980586.47	-46.03	-99.40
4141	4636.88	12138.68	1567	980580.38	-50.40	-103.77
4145	4636.29	12139.46	1100	980607.52	-66.30	-103.76
4159	4642.43	12139.85	6310	980277.50	84.49	-130.43
5931	4630.70	12135.60	2395	980516.10	-27.49	-109.06
8965	4634.75	12141.21	1030	980608.92	-69.16	-104.24
8975	4638.28	12142.58	1582	980580.13	-51.35	-105.23
8976	4637.40	12143.58	2166	980547.80	-27.42	-101.19
9003	4640.32	12134.56	1443	980596.50	-51.12	-100.27
9004	4640.47	12134.57	1459	980594.93	-51.42	-101.11
9006	4641.62	12134.57	1543	980592.15	-48.03	-100.58
9007	4642.31	12134.69	1635	980584.75	-47.81	-103.50
9008	4643.04	12134.54	1715	980579.22	-46.92	-105.33
9009	4643.95	12134.03	1928	980567.17	-40.30	-105.97
9010	4644.90	12133.32	2100	980552.67	-40.06	-111.58
9026	4636.86	12143.09	1957	980561.17	-32.90	-99.55
9027	4636.28	12143.27	1900	980566.44	-32.11	-96.83
9802	4633.78	12142.49	1060	980606.62	-67.18	-103.28
9803	4632.64	12142.59	3815	980429.06	16.12	-113.82
9809	4636.70	12137.23	2800	980504.17	-10.36	-105.73
9810	4635.72	12134.03	2857	980507.08	-0.61	-97.92
9811	4635.52	12133.27	2859	980506.66	-0.55	-97.92
9812	4634.71	12132.98	2859	980503.82	-2.16	-99.54
9813	4635.11	12132.80	2857	980506.06	-0.72	-98.02

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4630

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1732	4632.10	12158.10	901	980627.23	-58.99	-89.68
A1733	4632.50	12154.38	921	980626.94	-58.00	-89.37
A1734	4630.80	12146.76	952	980614.10	-65.37	-97.79
250	4644.00	12150.00	2498	980543.70	-10.23	-95.32
251	4644.20	12151.30	2378	980551.50	-14.02	-95.02
252	4644.10	12152.40	2274	980559.80	-15.35	-92.81
253	4644.60	12153.50	2126	980570.00	-19.83	-92.24
254	4644.50	12155.00	2003	980578.30	-22.95	-91.17
3701	4640.87	12145.58	2109	980549.83	-35.98	-107.81
3703	4642.08	12148.60	2534	980533.22	-14.44	-100.74
3704	4643.64	12149.88	2455	980543.65	-13.79	-97.40
3705	4640.12	12157.16	3520	980484.20	32.24	-87.65
3707	4640.19	12156.50	4442	980417.23	51.89	-99.41
3708	4639.92	12153.43	4301	980430.06	51.86	-94.63
3709	4640.40	12152.16	3430	980484.10	23.25	-93.57
4061	4632.43	12154.58	921	980626.45	-58.39	-89.76
4062	4632.45	12153.19	941	980621.71	-61.28	-93.33
4063	4632.14	12150.81	918	980617.45	-67.23	-98.50
4064	4632.04	12152.21	913	980619.24	-65.76	-96.86
4065	4631.83	12146.62	967	980614.12	-65.49	-98.42
4072	4631.87	12155.96	896	980622.82	-63.53	-94.04
4073	4632.04	12158.75	885	980626.07	-61.57	-91.71
4074	4630.37	12159.34	878	980624.46	-61.32	-91.22
4075	4631.22	12159.31	926	980625.84	-56.70	-88.24
4076	4630.49	12158.11	878	980624.55	-61.41	-91.31
4077	4630.41	12155.51	918	980625.00	-57.08	-88.34
4078	4631.36	12153.82	906	980625.38	-59.26	-90.11
4079	4631.14	12152.13	911	980626.18	-57.65	-88.68
4080	4630.92	12150.71	958	980623.57	-55.51	-88.14
4081	4631.16	12147.79	963	980617.14	-61.83	-94.63
4144	4632.07	12147.50	950	980616.14	-65.43	-97.78
7116	4642.00	12156.00	4055	980450.50	46.03	-92.08
8353	4632.13	12154.53	902	980627.35	-58.82	-89.54
8354	4630.44	12154.13	881	980624.00	-61.60	-91.61
8977	4637.70	12145.25	2721	980520.65	-2.82	-95.50
8978	4638.24	12146.72	3174	980496.80	15.13	-92.98
8979	4639.79	12148.14	3181	980492.18	8.83	-99.51
8980	4637.02	12149.96	2876	980511.49	3.62	-94.33
8981	4638.08	12150.20	2633	980526.03	-6.29	-95.97
8982	4636.26	12153.03	2492	980538.59	-4.25	-89.13
8983	4634.83	12154.72	2249	980545.33	-18.21	-94.81
8984	4634.06	12154.13	1850	980566.52	-33.39	-96.40
8986	4631.25	12157.23	887	980622.66	-63.60	-93.81
8989	4631.08	12158.70	920	980624.98	-57.92	-89.25
8996	4632.23	12148.66	922	980616.79	-67.65	-99.06
9016	4632.81	12148.22	1784	980571.98	-32.26	-93.02
9019	4635.59	12148.54	4845	980382.56	62.05	-102.97
9021	4636.20	12149.73	4750	980385.14	54.78	-107.01
9023	4634.89	12149.89	2900	980506.99	4.59	-94.18

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QLAD: 12145/4630

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9024	4633.39	12149.81	2171	980584.95	16.24	-57.70
9028	4637.69	12148.14	3833	980455.53	36.67	-93.88
9031	4639.11	12145.17	4724	980387.26	50.07	-110.83
9032	4639.24	12146.67	4630	980393.69	47.46	-110.24
9034	4639.33	12147.87	5268	980349.98	63.63	-115.80

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4630

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1718	4644.00	12212.41	1247	980645.23	-26.37	-68.85
A1719	4642.70	12212.50	1455	980631.68	-18.40	-67.96
A1720	4640.80	12211.69	1670	980620.26	-6.74	-63.62
A1721	4639.60	12211.92	1745	980616.62	-1.51	-60.95
A1722	4636.40	12213.93	1115	980644.00	-28.57	-66.55
A1723	4635.30	12214.44	1050	980646.23	-30.80	-66.56
A1725	4632.20	12213.80	988	980638.74	-39.45	-73.10
A1727	4631.20	12209.07	839	980642.86	-47.84	-76.41
A1729	4632.50	12205.50	994	980631.21	-46.87	-80.72
A1730	4632.70	12203.29	1126	980625.76	-40.20	-78.55
A1731	4632.00	12200.97	972	980623.77	-55.62	-88.73
A1938	4644.30	12201.78	1616	980614.25	-23.10	-78.14
A1939	4643.60	12202.33	1782	980599.09	-21.59	-82.28
A1940	4642.85	12204.24	2519	980564.17	13.94	-71.85
A1941	4641.40	12204.44	2162	980577.72	-3.90	-77.54
A1942	4640.60	12202.98	2526	980551.14	4.96	-81.07
7099	4642.90	12209.00	1400	980634.60	-20.96	-68.64
7100	4640.20	12206.80	1966	980597.00	-1.25	-68.21
7101	4638.60	12207.80	2334	980573.60	12.37	-67.12
7102	4637.20	12208.90	2440	980563.40	14.25	-68.85
7103	4636.50	12207.40	2152	980573.60	-1.58	-74.88
7104	4633.40	12208.10	2064	980571.70	-7.09	-77.39
7105	4634.00	12202.90	1641	980593.40	-26.08	-81.97
8991	4630.36	12201.86	917	980619.21	-62.89	-94.12
8993	4630.51	12203.18	920	980634.78	-47.26	-78.59
8994	4631.79	12201.15	936	980636.34	-46.12	-78.00

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4630

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
A1724	4633.50	12216.56	953	980648.64	-34.80	-67.26
A1728	4630.90	12222.54	532	980677.17	-41.95	-60.07
A1739	4631.40	12224.60	580	980682.14	-33.22	-52.98
A1740	4631.30	12227.69	691	980683.04	-21.73	-45.26
A1741	4631.80	12229.70	626	980691.09	-20.55	-41.87
A1922	4633.50	12216.92	915	980650.91	-36.10	-67.27
A1923	4633.80	12218.15	925	980650.87	-35.66	-67.16
A1924	4634.70	12222.40	763	980667.78	-35.34	-61.33
A1925	4634.60	12224.38	712	980677.12	-30.65	-54.90
A1926	4635.70	12226.10	818	980679.67	-19.78	-47.64
A1927	4636.40	12228.29	961	980680.10	-6.96	-39.69
10884	4644.63	12229.56	2470	980614.18	56.66	-27.47
10885	4644.15	12227.64	3085	980570.17	71.22	-33.85
10886	4642.77	12225.97	3722	980520.01	83.06	-43.71
10887	4644.64	12222.81	1553	980655.76	11.97	-40.92
10888	4642.92	12222.88	1441	980657.96	6.23	-42.85
10889	4641.04	12226.61	3221	980560.68	79.21	-30.50
10892	4636.35	12222.44	1030	980657.23	-23.26	-58.34
10893	4637.96	12224.62	2764	980568.64	48.82	-45.32
7122	4640.60	12215.10	3500	980528.10	73.53	-45.67
7123	4640.60	12216.50	3700	980500.90	65.15	-60.87
7124	4639.30	12218.80	3000	980545.10	45.46	-56.72
7125	4642.20	12218.50	3050	980545.00	45.70	-58.18
7126	4640.60	12220.80	2100	980603.80	17.55	-53.97
7127	4644.50	12218.60	1500	980646.40	-2.16	-53.25

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10520	4658.09	12113.78	3160	980499.79	-13.09	-120.72
10521	4658.15	12112.57	3016	980505.08	-21.44	-124.16
10522	4658.47	12111.26	2886	980509.54	-29.69	-127.98
10523	4658.68	12109.55	2784	980514.24	-34.90	-129.72
10524	4658.88	12108.72	2737	980518.91	-34.95	-128.17
10525	4658.92	12107.46	2636	980523.67	-39.75	-129.53
10526	4659.17	12103.65	2963	980516.69	-16.35	-117.27
10527	4659.49	12101.19	3712	980479.47	16.40	-110.03
10528	4659.44	12100.13	4749	980419.85	54.40	-107.35
10529	4658.57	12105.62	2506	980536.21	-38.91	-124.27
10530	4657.28	12101.51	4037	980450.05	20.88	-116.62
10531	4655.22	12102.71	2377	980557.20	-25.01	-105.97
10535	4657.84	12105.05	2475	980536.70	-40.24	-124.54
10536	4653.52	12100.01	2195	980559.19	-37.58	-112.34
10537	4646.16	12100.59	3393	980474.80	1.80	-113.77
10538	4645.16	12103.19	3771	980458.07	22.13	-106.31
10539	4645.26	12104.33	4274	980427.76	38.98	-106.55
10540	4646.98	12104.39	3782	980456.68	19.03	-109.78
10541	4647.72	12105.42	3238	980488.74	-1.19	-111.48
10542	4645.36	12106.13	4237	980431.42	39.01	-105.30
10543	4645.96	12108.96	6391	980278.34	87.63	-130.05
10544	4647.06	12106.55	3708	980463.44	18.71	-107.58
10545	4648.57	12103.81	2675	980522.81	-21.36	-112.47
10546	4648.74	12107.70	3983	980446.70	25.31	-110.35
10547	4648.39	12100.83	2874	980513.15	-12.03	-109.92
10548	4650.95	12100.34	2385	980545.50	-29.15	-110.52
10549	4651.49	12102.36	2613	980533.50	-20.90	-109.90
10550	4651.14	12104.06	3284	980488.92	-1.84	-113.65
10551	4651.03	12106.06	4345	980421.08	30.29	-117.70
10552	4650.58	12107.86	4711	980399.20	43.51	-116.95
10555	4657.37	12107.56	3682	980466.09	3.35	-122.02
10556	4656.23	12109.07	3922	980448.76	10.35	-123.23
10557	4656.13	12107.21	3579	980470.24	-0.28	-122.18
10558	4655.56	12105.33	3685	980465.27	5.58	-119.53
10559	4654.30	12107.86	4695	980398.53	35.73	-124.18
10560	4653.94	12110.16	5996	980312.35	72.47	-131.75
10561	4652.21	12111.52	6351	980296.72	92.83	-123.48
10562	4653.58	12110.99	6048	980308.39	73.94	-132.05
10563	4653.49	12105.99	4005	980445.28	18.80	-117.61
10564	4654.61	12105.81	3501	980477.83	2.26	-116.98
10565	4652.81	12103.71	3669	980472.90	15.84	-109.12
10566	4652.04	12101.17	2901	980516.95	-11.19	-109.99
10567	4654.42	12101.41	2301	980563.45	-24.71	-103.08
10568	4656.31	12103.57	2405	980544.74	-36.48	-118.35
10569	4657.23	12111.26	2951	980509.36	-21.89	-122.40
10570	4655.55	12112.74	3027	980509.47	-12.10	-115.20
10571	4654.23	12114.66	3154	980502.85	-4.79	-112.21
10574	4659.73	12109.55	3790	980456.31	0.22	-128.87
10582	4648.59	12110.32	4743	980403.81	54.13	-107.42

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10583	4648.28	12110.86	4692	980405.13	51.12	-108.69
10584	4647.64	12113.24	5820	980325.98	79.03	-119.20
10585	4647.41	12114.83	7438	980206.24	111.83	-141.51
3881	4658.51	12110.08	2784	980514.23	-34.65	-129.48

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10586	4647.69	12115.25	7766	980178.44	114.46	-150.05
10588	4657.92	12115.35	3238	980500.15	-5.14	-115.43
10589	4657.66	12116.60	3302	980498.07	-0.81	-113.28
10590	4657.26	12117.79	3316	980496.56	-0.40	-113.34
10591	4656.88	12119.00	3351	980492.16	-0.94	-115.07
10592	4656.50	12120.06	3403	980487.14	-0.49	-116.40
3535	4648.08	12124.50	1918	980536.50	-78.13	-143.46
3875	4647.49	12119.53	3755	980433.17	-7.79	-135.68
3876	4650.16	12118.37	3570	980456.36	-6.02	-127.61
3877	4648.38	12120.64	5036	980363.56	41.75	-129.77
3878	4648.21	12121.67	6072	980285.63	61.53	-145.29
3879	4651.92	12117.71	3434	980474.98	-2.84	-119.80
3880	4653.72	12116.01	3265	980495.35	-1.08	-112.28
3882	4658.00	12115.34	3238	980499.98	-5.43	-115.72
3883	4657.71	12116.64	3302	980497.82	-1.13	-113.60
3884	4657.32	12117.82	3316	980496.32	-0.73	-113.67
3885	4656.91	12118.99	3351	980491.91	-1.23	-115.37
3886	4656.57	12119.41	3336	980492.58	-1.46	-115.08
3887	4656.54	12120.05	3403	980486.93	-0.76	-116.67
3890	4655.38	12121.57	3461	980481.57	1.08	-116.80
3891	4654.86	12123.00	3548	980476.47	4.94	-115.90
3892	4654.81	12124.16	3667	980469.10	8.84	-116.05
3893	4654.62	12124.73	3788	980463.02	14.43	-114.59
3894	4654.47	12125.25	3900	980455.56	17.73	-115.10
3895	4654.26	12125.71	4013	980446.62	19.74	-116.95
3896	4653.82	12126.55	4316	980419.81	22.09	-124.91
3897	4653.45	12129.41	4859	980386.47	40.38	-125.12
5090	4651.20	12128.54	5127	980370.90	53.41	-121.22
5091	4649.99	12128.32	5240	980357.30	52.26	-126.22
5092	4648.78	12125.50	5030	980372.10	49.13	-122.15
5094	4650.94	12120.65	3426	980459.50	-17.60	-134.25
9331	4659.69	12124.80	6373	980303.13	90.05	-127.01
9332	4658.39	12126.53	6080	980324.52	85.84	-121.24
9333	4657.42	12127.10	6856	980270.98	106.75	-126.76
9334	4657.18	12126.24	5830	980348.64	88.27	-110.30
9336	4657.93	12124.80	6406	980298.83	91.51	-126.68
9338	4655.72	12127.30	6479	980292.77	95.64	-125.03
9339	4655.01	12128.27	5882	980336.58	84.36	-115.98

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
171	4659.40	12132.00	2675	980535.40	-25.07	-116.18
173	4656.50	12132.00	3050	980508.00	-12.84	-116.72
1730	4651.80	12135.20	5240	980363.80	56.03	-122.44
174	4656.00	12131.80	3300	980497.40	0.83	-111.57
1743	4650.50	12132.50	3248	980479.80	-13.38	-124.01
1745	4649.98	12132.04	3198	980481.10	-16.00	-124.92
177	4655.00	12132.00	3687	980458.00	-0.66	-126.24
178	4654.10	12133.20	3460	980472.00	-6.66	-124.51
179	4653.50	12135.00	3660	980459.90	0.96	-123.70
184	4653.50	12135.70	3725	980452.10	-0.73	-127.60
185	4653.20	12136.60	3820	980446.00	2.56	-127.55
186	4653.80	12136.50	3955	980437.90	6.25	-128.45
194	4654.70	12136.50	5800	980338.90	79.44	-118.11
195	4655.10	12135.00	6130	980311.40	82.38	-126.41
197	4654.90	12138.40	6385	980299.30	94.56	-122.91
203	4655.20	12136.80	7006	980278.80	132.02	-106.60
211	4652.00	12132.10	4694	980401.80	42.37	-117.50
212	4651.30	12131.00	4159	980428.10	19.41	-122.25
2124	4646.30	12137.50	3315	980498.40	17.85	-95.06
2126	4646.50	12137.00	3974	980457.90	39.03	-96.32
2128	4646.70	12136.30	4770	980412.50	68.20	-94.26
2130	4647.80	12136.40	5450	980365.30	83.31	-102.32
2133	4648.40	12136.50	5455	980366.50	84.07	-101.72
2134	4649.00	12137.40	5900	980332.20	90.73	-110.23
2135	4649.40	12137.50	5600	980361.80	91.51	-99.23
2138	4650.00	12138.50	5801	980345.50	93.21	-104.37
2139	4650.30	12139.20	6344	980309.00	107.33	-108.74
214	4650.50	12131.50	3920	980442.70	12.73	-120.78
2141	4650.50	12139.10	6404	980292.80	96.47	-121.64
2142	4651.30	12138.70	6750	980285.80	120.81	-109.09
2143	4651.70	12138.60	6474	980304.20	112.65	-107.85
2145	4652.10	12139.30	5905	980337.50	91.83	-109.25
2147	4652.20	12139.20	5204	980379.10	67.34	-109.50
2149	4652.60	12137.20	4135	980436.50	23.59	-117.25
219	4647.20	12133.10	2290	980538.80	-39.52	-117.52
220	4645.00	12133.40	2100	980552.60	-40.28	-111.80
224	4645.50	12133.41	2120	980543.20	-48.55	-120.76
227	4645.30	12134.00	2460	980514.80	-44.67	-128.45
231	4645.70	12137.70	2932	980509.40	-6.27	-106.14
232	4645.60	12138.40	3067	980502.60	-0.22	-104.69
236	4646.50	12142.10	4015	980438.50	23.49	-113.26
237	4645.90	12141.80	4336	980423.40	39.49	-108.20
238	4646.10	12143.10	4770	980397.80	54.41	-108.06
239	4646.50	12144.60	4840	980392.10	54.69	-110.16
240	4646.60	12144.80	4573	980409.60	46.92	-108.83
286	4647.20	12144.20	5405	980356.50	71.18	-112.92
289	4647.80	12144.00	5900	980323.00	83.33	-117.62
294	4648.60	12143.30	7384	980219.80	118.51	-132.98
3898	4646.60	12130.80	5151	980371.55	63.24	-112.20

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3899	4645.26	12131.76	5162	980371.60	66.34	-109.47
3900	4645.00	12131.44	4950	980386.41	61.60	-106.99
659	4654.10	12139.00	4310	980416.20	17.49	-129.31
661	4654.10	12139.70	4760	980391.00	34.62	-127.51
664	4653.80	12141.70	5530	980331.80	48.30	-140.05
666	4653.50	12141.90	5960	980320.20	77.59	-125.40
675	4652.80	12142.80	8050	980179.50	134.53	-139.65
678	4652.70	12142.90	8743	980126.50	146.87	-150.92
803	4655.00	12140.60	6400	980301.70	58.22	-119.76
806	4655.00	12142.00	5850	980337.50	82.29	-116.96
809	4655.40	12143.60	4600	980408.40	35.01	-121.66
811	4654.90	12144.80	5350	980373.40	71.31	-110.91

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1708	4645.50	12158.80	1839	980593.45	-24.73	-87.37
A1710	4645.00	12148.69	2760	980526.26	-4.54	-98.54
10341	4655.65	12159.30	2688	980557.08	3.47	-88.08
10342	4655.50	12158.86	2220	980580.16	-17.24	-92.85
10350	4653.90	12159.11	2485	980569.14	-0.93	-85.56
10351	4653.80	12156.83	2852	980535.65	0.25	-96.88
10352	4653.52	12157.28	3500	980501.73	27.71	-91.50
10353	4652.98	12157.41	3672	980486.64	29.61	-95.46
10354	4652.92	12155.16	4915	980400.93	60.91	-106.50
10355	4652.74	12158.85	2102	980587.32	-17.02	-88.62
10357	4652.10	12158.49	2257	980577.33	-11.47	-88.34
10358	4651.71	12156.55	2314	980567.36	-15.49	-94.31
10359	4650.34	12155.36	2671	980541.80	-5.41	-96.38
10360	4651.56	12158.19	2627	980522.94	-30.25	-119.72
10361	4650.37	12157.98	2757	980541.10	1.93	-91.97
10362	4649.40	12157.93	3206	980515.13	19.66	-89.54
10363	4650.60	12159.08	3226	980519.14	23.74	-86.14
10364	4650.78	12159.92	3904	980478.98	47.08	-85.89
10419	4649.50	12159.61	4708	980420.02	65.67	-94.68
10420	4648.05	12159.30	4276	980451.88	59.08	-86.56
10421	4647.20	12159.03	4456	980435.44	60.86	-90.92
241	4646.70	12145.70	4468	980414.40	41.70	-110.48
242	4646.20	12146.80	4210	980426.10	29.88	-113.51
242	4646.20	12146.80	4210	980426.10	29.88	-113.51
243	4646.90	12146.70	3677	980460.10	12.69	-112.54
245	4645.10	12148.50	2755	980526.50	-4.92	-98.75
255	4645.70	12152.60	2430	980539.70	-23.19	-105.96
258	4646.90	12153.00	2920	980513.70	-4.91	-104.36
259	4647.50	12153.20	3380	980458.30	22.06	-93.07
260	4647.60	12153.60	3660	980489.00	38.94	-85.72
261	4648.10	12154.00	3900	980470.50	42.26	-90.57
262	4648.50	12153.50	3530	980489.00	25.36	-94.87
264	4650.20	12154.30	3750	980480.40	34.89	-92.83
265	4650.90	12155.00	4129	980452.80	41.89	-98.75
269	4650.80	12152.10	3725	980466.70	17.94	-108.94
275	4650.20	12152.60	5500	980362.40	81.50	-105.83
297	4646.00	12147.50	3160	980496.30	1.62	-106.01
308	4647.30	12146.80	4230	980427.00	31.01	-113.07
309	4647.60	12146.70	4665	980398.40	42.87	-116.02
311	4647.90	12146.60	5310	980358.90	63.59	-117.27
312	4648.10	12146.40	5635	980338.30	73.26	-118.67
314	4648.20	12146.20	5875	980323.70	81.08	-119.02
315	4648.40	12146.10	6265	980294.50	88.26	-125.12
318	4648.00	12146.70	5320	980356.20	61.68	-119.52
319	4647.80	12147.00	5400	980353.90	67.20	-116.72
320	4647.70	12147.10	5020	980377.90	55.61	-115.37
321	4647.00	12147.40	4800	980395.60	53.67	-109.81
322	4646.90	12147.50	4655	980400.20	44.79	-113.76
325	4646.50	12147.90	4260	980432.50	40.53	-104.56

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
326	4646.10	12148.20	3840	980461.70	30.83	-99.96
328	4646.00	12148.50	3860	980461.80	32.96	-98.51
329	4645.90	12148.30	3340	980492.70	15.10	-98.66
330	4645.70	12148.50	2930	980516.30	0.44	-99.36
331	4645.30	12146.80	2824	980523.60	-1.63	-97.81
381	4648.80	12152.10	4040	980445.40	29.28	-108.32
386	4649.30	12150.30	5640	980352.30	85.92	-106.18
391	4648.30	12150.70	4220	980437.60	39.16	-104.57
395	4647.70	12150.40	5450	980371.00	89.16	-96.47
397	4647.20	12150.00	5075	980388.30	71.94	-100.92
401	4646.90	12148.60	3740	980465.40	23.92	-103.46
402	4646.70	12148.30	3640	980471.50	21.32	-102.66
519	4656.10	12151.70	4940	980414.00	71.54	-96.72
524	4654.90	12153.40	2605	980549.20	-11.08	-99.81
532	4653.60	12153.80	4920	980411.40	70.82	-96.75
554	4651.90	12153.60	4960	980412.60	78.34	-90.55
556	4651.00	12152.70	4100	980459.20	45.41	-94.24
562	4656.50	12151.90	4980	980412.90	73.60	-96.02
563	4657.10	12152.00	4940	980405.20	61.23	-107.02
569	4657.80	12150.30	3280	980518.00	16.84	-94.88
571	4658.10	12149.90	2750	980535.80	-15.66	-109.33
572	4658.60	12149.80	2340	980561.30	-29.48	-109.18
573	4659.40	12150.50	2160	980577.60	-31.32	-104.88
575	4659.70	12151.00	2100	980582.20	-32.81	-104.34
576	4659.90	12153.30	1960	980592.40	-36.08	-102.84
577	4659.80	12155.00	1760	980606.20	-40.94	-100.85
601	4655.30	12149.10	6360	980313.30	105.61	-111.01
607	4654.40	12148.00	7720	980196.90	118.49	-144.46
615	4654.00	12148.90	7805	980206.20	136.38	-129.45
618	4654.70	12148.80	6583	980291.50	105.69	-118.53
7154	4657.38	12145.19	5778	980356.50	90.93	-105.86
7167	4659.70	12152.45	1960	980592.20	-35.98	-102.74
7168	4659.70	12155.10	1744	980608.30	-40.20	-99.60
7170	4659.60	12158.13	1544	980629.70	-37.46	-90.05
813	4654.90	12145.00	5705	980344.20	75.50	-118.81
816	4654.20	12145.70	7048	980279.30	137.98	-102.08
817	4655.10	12145.80	5900	980321.70	71.04	-129.91
826	4657.90	12147.80	2840	980522.60	-20.10	-116.83

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1705	4645.50	12208.56	1333	980643.34	-22.43	-67.84
A1706	4645.30	12206.51	1428	980639.45	-17.09	-65.72
A1707	4645.40	12203.57	1605	980620.83	-19.21	-73.87
A1711	4658.40	12214.48	642	980711.28	-38.91	-60.78
10337	4659.32	12208.63	1600	980633.88	-27.59	-82.08
10339	4658.85	12205.97	2461	980588.48	8.70	-75.12
10340	4658.10	12202.69	2366	980589.41	1.83	-78.76
10343	4655.70	12203.26	1476	980640.56	-27.12	-77.39
10344	4657.12	12203.85	1410	980646.60	-29.43	-77.45
10349	4654.36	12202.34	1620	980629.55	-22.57	-77.75
10356	4653.40	12200.69	1855	980611.91	-16.66	-79.84
10415	4651.79	12202.49	2561	980570.57	10.83	-76.40
10416	4650.62	12202.23	3277	980523.91	33.28	-78.34
10417	4649.81	12201.81	3294	980518.68	30.87	-81.33
10418	4648.92	12201.30	4327	980447.19	57.88	-89.50
10422	4646.75	12201.75	3915	980468.90	44.11	-89.24
10423	4651.13	12203.11	2875	980554.99	25.78	-72.14
10424	4649.47	12203.02	2674	980561.19	15.57	-75.50
10425	4649.23	12205.27	2893	980548.56	23.90	-74.63
10426	4650.22	12205.42	2565	980569.21	12.21	-75.15
10427	4650.76	12205.60	2411	980581.97	9.67	-72.45
10428	4650.06	12203.58	2619	980566.08	14.40	-74.80
10501	4651.97	12204.58	2160	980597.84	0.11	-73.46
10502	4652.04	12205.21	2040	980609.27	0.15	-69.33
10503	4653.16	12202.95	2903	980560.69	31.06	-67.82
10504	4655.63	12209.42	1730	980633.35	-10.34	-69.26
10505	4655.11	12208.68	2026	980611.34	-3.72	-72.73
10506	4654.55	12208.50	2176	980599.65	-0.42	-74.53
10507	4655.36	12212.64	1480	980651.47	-15.32	-65.73
10508	4657.07	12210.18	1700	980641.25	-7.43	-65.33
10509	4657.19	12207.23	1752	980634.60	-9.37	-69.04
10510	4654.45	12204.77	2779	980557.04	13.80	-80.85
7111	4651.10	12213.30	1364	980652.40	-18.89	-65.35
7112	4650.50	12211.00	1656	980632.80	-10.12	-66.53
7113	4648.50	12209.00	2225	980591.20	4.81	-70.97
7114	4647.70	12208.70	2778	980553.80	20.63	-73.99
7115	4646.70	12206.30	2184	980598.20	10.66	-63.72
7162	4659.80	12210.40	1542	980653.20	-14.45	-66.97
7163	4658.50	12211.70	1556	980651.50	-12.87	-65.87

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4645

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1682	4650.00	12219.05	941	980683.90	-25.52	-57.57
A1683	4654.50	12221.42	652	980706.59	-35.85	-58.40
A1684	4652.70	12222.75	612	980708.06	-36.37	-57.22
A1686	4652.00	12215.62	800	980689.72	-35.98	-63.22
A1687	4652.60	12218.40	627	980702.14	-40.73	-62.05
A1688	4654.20	12217.82	754	980696.36	-36.98	-62.66
A1689	4656.20	12216.94	705	980704.88	-36.08	-60.05
A1698	4651.30	12229.67	502	980703.75	-48.92	-66.02
A1699	4648.70	12227.25	636	980698.11	-38.04	-59.70
A1700	4650.40	12225.50	571	980703.08	-41.75	-61.15
A1701	4654.00	12228.30	528	980707.16	-47.13	-65.12
A1702	4654.70	12226.47	652	980701.90	-41.78	-63.55
A1703	4648.70	12217.72	1278	980665.51	-10.26	-53.78
A1704	4647.50	12215.84	1263	980659.07	-16.30	-59.32
A480	4656.23	12224.02	467	980715.50	-47.96	-63.87
A481	4656.28	12228.05	468	980714.84	-48.53	-64.47
A482	4656.27	12226.47	490	980715.83	-45.45	-62.14
A483	4656.23	12225.45	500	980715.55	-44.73	-61.76
A484	4656.22	12224.09	525	980714.55	-43.37	-61.25
A485	4656.20	12222.62	557	980713.37	-41.51	-60.48
A486	4656.21	12221.38	629	980708.55	-39.57	-60.99
A487	4658.85	12221.40	589	980717.51	-37.95	-58.01
A491	4659.78	12228.96	397	980724.16	-51.16	-64.68
A492	4659.77	12227.78	424	980721.94	-50.82	-65.26
A493	4659.74	12226.50	421	980721.46	-51.54	-65.88
A494	4658.85	12226.50	485	980716.40	-49.24	-65.76
A495	4658.00	12226.50	492	980713.51	-50.19	-66.55
A496	4657.10	12226.45	479	980716.73	-46.84	-63.15
A497	4657.09	12224.85	533	980714.37	-44.10	-62.26
A498	4656.82	12221.36	559	980713.70	-41.92	-60.96
A499	4657.97	12221.36	549	980717.35	-40.94	-59.64
A500	4658.82	12222.19	499	980721.49	-42.79	-59.78
A501	4658.82	12223.94	602	980711.17	-43.42	-63.52
A502	4658.85	12225.25	488	980716.95	-48.41	-65.03
A513	4659.71	12221.43	647	980712.45	-39.25	-61.28
A514	4658.82	12219.06	615	980717.94	-35.43	-56.37
A515	4658.82	12217.78	641	980714.63	-36.29	-58.12
A516	4659.71	12217.69	640	980717.94	-34.41	-56.21
10890	4646.49	12224.89	985	980682.33	-17.67	-61.22
7128	4645.50	12215.30	1240	980653.10	-21.42	-63.66

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12045/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3040	4707.79	12045.55	1917	980604.35	-40.05	-105.34
3041	4708.76	12047.87	1793	980614.34	-43.18	-104.25
3042	4710.15	12050.02	1753	980622.54	-40.84	-100.54
3043	4710.76	12050.31	1872	980625.39	-27.71	-91.47
3044	4711.74	12047.02	1949	980627.14	-20.19	-86.58
3290	4710.77	12052.23	1847	980626.18	-29.29	-92.20
3291	4711.59	12052.92	1930	980623.60	-25.30	-91.03
3292	4711.52	12054.72	1887	980624.69	-28.14	-92.42
3293	4711.74	12056.84	2003	980617.32	-24.93	-93.16

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10575	4700.52	12111.56	3695	980463.73	-2.49	-128.34
10576	4703.81	12111.61	3509	980456.47	7.80	-111.71
10578	4704.44	12114.26	3096	980518.48	-9.98	-115.43
3294	4711.51	12102.93	2176	980610.44	-15.20	-89.31
3940	4713.65	12100.40	2325	980605.77	-9.07	-88.26
3941	4713.44	12101.69	2093	980618.40	-17.95	-89.23
3942	4714.90	12101.54	2330	980607.86	-8.39	-87.75
3943	4714.70	12102.76	2272	980611.58	-9.83	-87.21
3944	4714.70	12104.40	2250	980610.00	-13.47	-90.11
9320	4700.27	12107.35	2680	980530.69	-30.62	-121.90
9321	4701.63	12108.99	2800	980529.29	-22.78	-118.15

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10577	4703.47	12116.81	3643	980475.70	0.15	-123.93
10579	4705.15	12116.91	3253	980505.57	-9.19	-119.99
10580	4705.03	12119.49	3821	980465.73	4.57	-125.57
3857	4706.79	12129.26	2488	980559.49	-29.70	-114.44
3858	4707.06	12129.06	2763	980543.28	-20.45	-114.55
3859	4707.46	12128.46	3264	980514.48	-2.72	-113.50
3860	4707.70	12128.17	3661	980492.32	12.10	-112.60
3861	4708.14	12127.32	4111	980471.00	32.44	-107.58
3862	4708.43	12126.53	3916	980481.85	24.51	-108.87
3909	4712.88	12127.92	1666	980614.02	-61.65	-118.39
3910	4713.05	12127.37	1707	980612.50	-59.57	-117.71
3911	4711.83	12124.22	1919	980594.34	-55.95	-121.31
3912	4714.66	12124.92	2010	980595.85	-50.14	-118.60
9191	4700.95	12127.72	5879	980345.29	83.85	-116.39
9192	4701.69	12128.61	6142	980321.13	83.31	-125.88
9193	4702.78	12129.48	6011	980331.05	79.27	-125.46
9194	4702.81	12127.64	3985	980463.88	21.49	-114.24
9196	4700.51	12129.88	4400	980438.47	38.58	-111.29
9224	4710.14	12129.36	5409	980363.27	43.79	-140.44
9226	4707.64	12126.08	4680	980426.22	41.93	-117.47
9227	4706.70	12124.27	5715	980342.40	56.88	-137.77
9293	4713.93	12125.58	1771	980606.71	-60.66	-120.98
9299	4714.24	12129.35	3896	980478.86	10.90	-121.80
9305	4712.66	12129.21	1617	980616.16	-63.79	-118.86
9306	4713.07	12127.34	1707	980613.01	-59.09	-117.23
9307	4712.54	12124.74	1869	980600.53	-55.53	-119.19
9308	4711.14	12120.89	2931	980535.05	-19.01	-118.84
9310	4712.32	12118.53	3480	980517.00	12.80	-105.73
9311	4710.80	12118.63	4276	980459.09	32.05	-113.59
9312	4712.46	12121.90	3925	980473.65	11.10	-122.55
9313	4713.22	12123.32	3018	980531.47	-17.54	-120.33
9314	4709.99	12120.12	3298	980512.45	-5.36	-117.69
9323	4702.15	12117.50	5002	980391.38	45.64	-124.72
9324	4701.61	12120.13	6198	980312.78	80.35	-130.75
9325	4701.19	12121.42	5310	980381.50	66.18	-114.68
9326	4700.92	12124.74	5695	980354.51	75.81	-118.16
9330	4701.36	12125.19	5881	980336.30	74.43	-125.87

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
1744	4660.11	12132.30	2890	980497.80	-43.52	-141.95
3782	4709.53	12139.46	1686	980611.56	-57.19	-114.61
3825	4709.86	12144.95	1479	980631.21	-57.50	-107.88
3826	4709.26	12141.98	1654	980614.49	-56.86	-113.19
3827	4700.66	12131.54	2650	980543.03	-21.69	-111.95
3828	4701.93	12133.37	2444	980555.38	-30.63	-113.87
3829	4702.70	12134.16	2319	980561.04	-37.89	-116.87
3830	4703.34	12134.36	2220	980567.51	-41.69	-117.31
3831	4704.12	12134.55	2165	980578.58	-36.97	-110.71
3834	4706.20	12137.82	2043	980585.91	-44.25	-113.83
3835	4706.67	12136.73	1943	980592.27	-48.00	-114.18
3836	4703.28	12141.34	2392	980565.56	-27.37	-108.85
3837	4702.89	12141.58	2406	980564.46	-26.57	-108.52
3838	4702.80	12141.04	2637	980550.56	-18.61	-108.42
3839	4702.43	12139.65	4036	980467.42	30.40	-107.07
3840	4702.84	12139.51	4078	980464.20	30.51	-108.38
3841	4703.24	12139.85	4118	980460.85	30.32	-109.93
3842	4704.21	12137.77	4273	980441.81	24.40	-121.13
3843	4704.02	12135.64	2229	980576.21	-33.17	-109.09
3844	4703.38	12136.44	2360	980566.07	-30.02	-110.41
3845	4702.50	12135.74	5270	980366.45	45.39	-134.10
3846	4705.22	12134.50	2123	980582.02	-39.14	-111.44
3848	4706.66	12135.59	2230	980576.31	-36.95	-112.90
3849	4706.93	12134.70	2196	980577.14	-39.72	-114.52
3850	4707.13	12133.47	2070	980585.87	-43.15	-113.65
3851	4707.28	12132.02	2197	980575.97	-41.33	-116.16
3854	4709.10	12138.12	1776	980607.62	-52.01	-112.50
3855	4708.24	12136.73	1852	980602.01	-49.18	-112.26
3856	4707.80	12135.89	1878	980598.91	-49.17	-113.14
3905	4714.39	12140.59	2553	980560.93	-33.58	-120.53
3906	4714.85	12140.45	2436	980577.85	-28.36	-111.33
3907	4713.26	12135.64	1401	980635.42	-65.75	-113.46
3908	4712.36	12130.79	1578	980620.05	-63.11	-116.86
9204	4701.05	12135.50	5592	980347.45	58.86	-131.60
9205	4700.12	12135.00	5585	980352.15	64.31	-125.92
9210	4700.56	12132.02	2927	980522.43	-16.09	-115.78
9214	4700.75	12143.61	5644	980344.82	61.58	-130.66
9215	4702.95	12142.89	2740	980539.61	-20.09	-113.42
9216	4703.47	12142.82	3430	980505.11	9.52	-107.30
9218	4703.76	12143.21	3882	980480.44	26.93	-105.25
9220	4703.07	12137.76	4106	980441.63	10.23	-129.62
9225	4710.78	12136.79	4764	980418.16	37.05	-125.21
9235	4702.20	12131.91	5089	980381.45	43.82	-129.51
9236	4703.10	12131.86	5477	980369.16	66.67	-119.87
9256	4713.90	12143.26	1366	980642.28	-63.14	-109.67
9257	4714.97	12144.45	1342	980648.74	-60.55	-106.26
9259	4713.65	12141.10	1315	980640.72	-69.12	-113.91
9261	4712.70	12142.91	3273	980520.89	-3.35	-114.83
9262	4712.77	12134.30	2705	980554.21	-23.56	-115.70

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QLAC: 12130/4700

STATION I.C.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9264	4711.41	12141.40	3832	980483.59	13.87	-116.65
9265	4713.56	12138.77	1441	980631.12	-66.73	-115.81
9266	4713.38	12136.83	1412	980631.87	-68.44	-116.53
9282	4713.75	12136.48	1463	980632.62	-63.45	-113.28
9283	4714.76	12135.56	1624	980623.28	-59.17	-114.48
9289	4712.13	12137.05	2797	980550.67	-17.49	-112.75
9290	4713.29	12135.66	1390	980634.51	-67.74	-115.08
9291	4712.28	12132.11	1508	980628.84	-60.79	-112.15
9292	4712.16	12134.30	2076	980591.64	-44.38	-115.09
9303	4712.72	12133.97	1471	980626.94	-66.83	-116.93
9304	4712.36	12131.84	1526	980626.53	-61.52	-113.50
9357	4709.13	12144.60	2626	980560.84	-18.89	-108.33
9358	4708.02	12143.56	4018	980465.78	18.65	-118.20
9359	4706.86	12143.63	4302	980449.97	31.30	-115.22
9360	4705.99	12142.52	4224	980456.52	31.83	-112.04

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10165	4711.11	12158.97	745	980688.57	-71.06	-96.44
10166	4710.67	12158.97	748	980688.22	-70.47	-95.95
10167	4710.41	12159.61	748	980689.73	-68.57	-94.05
10168	4710.23	12159.33	724	980689.37	-70.92	-95.57
10169	4710.20	12159.21	784	980685.31	-69.29	-95.59
10170	4710.24	12159.20	814	980683.43	-68.40	-96.13
10171	4710.11	12158.71	1061	980667.71	-60.70	-96.83
10172	4710.15	12158.78	1113	980664.11	-59.47	-97.37
10173	4710.18	12158.69	1239	980655.81	-55.96	-98.16
10174	4710.33	12158.56	1396	980645.96	-51.27	-98.81
10175	4710.41	12158.55	1484	980638.01	-51.06	-101.61
10176	4710.44	12158.48	1583	980629.49	-50.31	-104.23
10177	4710.46	12158.34	1693	980621.18	-48.31	-105.97
10178	4710.44	12158.33	1801	980612.39	-46.91	-108.25
10180	4712.19	12159.25	742	980688.73	-72.81	-98.08
10181	4710.90	12158.56	750	980688.31	-70.54	-96.08
10182	4710.67	12159.30	734	980688.77	-71.24	-96.24
10183	4710.67	12159.60	747	980688.96	-69.82	-95.27
10184	4710.37	12159.43	739	980688.80	-70.28	-95.46
10185	4710.00	12159.00	740	980688.35	-70.08	-95.29
10186	4709.84	12158.53	761	980688.11	-68.11	-94.03
10187	4709.80	12158.07	784	980688.04	-65.95	-92.66
10188	4709.76	12157.73	807	980685.51	-66.26	-93.75
10189	4710.01	12157.73	799	980685.60	-67.30	-94.51
10190	4710.23	12157.72	795	980686.43	-67.18	-94.25
10191	4710.67	12157.72	782	980686.32	-69.17	-95.81
10192	4710.69	12158.10	785	980685.86	-69.38	-96.12
10193	4710.74	12158.37	776	980685.56	-70.60	-97.03
10194	4711.06	12158.37	758	980688.44	-69.90	-95.71
10195	4711.32	12158.34	756	980688.49	-70.43	-96.17
10196	4711.53	12158.33	747	980688.78	-71.30	-96.74
10197	4711.52	12158.98	743	980688.75	-71.69	-97.00
10198	4711.98	12158.80	742	980688.68	-72.55	-97.82
10199	4711.98	12158.08	745	980689.70	-71.24	-96.62
10200	4711.98	12157.75	756	980689.48	-70.43	-96.18
10201	4712.40	12157.72	766	980688.84	-70.76	-96.85
10202	4712.40	12158.05	735	980690.35	-72.17	-97.20
10203	4712.40	12158.54	737	980690.76	-71.57	-96.67
10204	4712.40	12158.59	734	980691.18	-71.43	-96.43
10205	4712.55	12159.32	750	980689.37	-71.96	-97.51
10206	4712.84	12159.32	749	980690.12	-71.74	-97.25
10207	4712.85	12158.98	735	980691.18	-72.01	-97.05
10208	4712.85	12158.55	730	980692.69	-70.97	-95.84
10209	4712.85	12158.19	731	980693.23	-70.34	-95.24
10210	4712.85	12157.70	764	980690.45	-70.01	-96.04
10211	4711.53	12157.74	779	980686.07	-71.00	-97.53
10212	4711.10	12157.72	775	980686.58	-70.22	-96.61
10213	4710.66	12157.40	872	980680.12	-66.89	-96.59
10214	4710.22	12157.40	794	980685.71	-67.98	-95.02

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10217	4711.10	12159.50	730	980689.81	-71.22	-96.08
10218	4711.10	12159.62	736	980688.79	-71.68	-96.74
10219	4711.11	12159.29	739	980689.36	-70.84	-96.01
10220	4711.27	12158.98	739	980689.24	-71.20	-96.37
10221	4711.52	12159.42	735	980688.57	-72.62	-97.66
10222	4711.52	12159.54	733	980689.97	-71.41	-96.38
10225	4711.98	12159.71	734	980689.49	-72.49	-97.49
10226	4711.02	12159.50	978	980672.24	-65.34	-98.65
10227	4710.98	12159.41	874	980680.96	-66.34	-96.11
10228	4710.92	12159.37	958	980673.86	-65.45	-98.08
10229	4711.30	12159.28	904	980678.53	-66.43	-97.22
10230	4711.34	12159.12	758	980688.52	-70.24	-96.09
10231	4712.40	12159.75	751	980690.07	-70.94	-96.52
10234	4712.85	12159.84	738	980689.96	-72.95	-98.09
10922	4712.22	12147.66	4382	980452.29	33.08	-116.17
10923	4712.85	12149.37	3707	980512.63	28.98	-97.28
10924	4713.80	12150.91	3063	980561.07	14.48	-89.51
10925	4713.21	12154.43	1425	980653.25	-45.58	-94.12
10926	4711.15	12150.17	2587	980573.81	-12.63	-100.74
3786	4712.22	12159.25	742	980688.88	-72.71	-97.98
3787	4714.59	12159.30	685	980700.82	-69.69	-93.02
3788	4714.83	12157.14	746	980704.22	-60.92	-86.33
3789	4714.83	12157.91	756	980703.31	-60.89	-86.64
3790	4713.71	12158.21	719	980701.54	-64.45	-88.94
3791	4714.48	12155.23	1058	980682.91	-52.35	-88.39
3792	4714.14	12156.77	783	980696.36	-64.26	-90.93
3793	4714.12	12157.07	765	980697.32	-64.96	-91.02
3794	4713.70	12157.72	729	980701.39	-63.65	-88.48
3795	4714.19	12158.11	734	980699.43	-65.87	-90.87
3796	4714.59	12158.04	753	980701.57	-62.55	-88.15
3797	4713.31	12158.26	727	980698.26	-66.38	-91.14
3798	4712.87	12158.19	731	980693.08	-70.52	-95.42
3799	4713.71	12159.35	694	980697.14	-71.20	-94.84
3800	4711.99	12158.06	745	980689.74	-71.22	-96.55
3801	4711.55	12158.76	743	980688.77	-71.71	-97.02
3802	4711.11	12159.01	745	980688.57	-71.06	-96.44
3803	4710.67	12158.96	748	980688.38	-70.31	-95.79
3804	4710.43	12159.60	748	980689.78	-68.55	-94.03
3805	4709.75	12157.72	807	980686.04	-65.72	-93.20
3810	4709.84	12153.42	1382	980651.99	-45.82	-92.85
3811	4709.87	12154.04	1383	980651.24	-46.52	-93.62
3812	4711.04	12155.43	1020	980672.44	-61.22	-95.96
3813	4711.58	12156.03	981	980676.58	-61.56	-94.98
3814	4711.95	12157.67	756	980689.30	-70.56	-96.31
3815	4711.56	12157.74	778	980687.22	-69.99	-96.45
3816	4711.11	12157.72	775	980686.78	-70.03	-96.43
3817	4710.67	12157.72	782	980686.38	-69.11	-95.75
3818	4710.23	12157.72	795	980685.81	-67.80	-94.87
3819	4709.14	12156.77	1027	980674.22	-55.92	-90.90
3820	4708.95	12155.98	1309	980655.77	-47.56	-92.15

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3821	4708.50	12155.85	1214	980661.97	-49.62	-90.97
3822	4709.29	12155.41	1338	980652.33	-48.79	-94.36
3823	4709.41	12154.74	1350	980651.95	-48.22	-94.20
3824	4709.29	12151.36	1368	980654.27	-44.03	-90.62
7148	4703.90	12156.60	3236	980534.20	19.72	-90.50
7149	4701.70	12157.30	2960	980548.40	11.27	-89.55
7150	4704.20	12152.90	2720	980561.30	-2.17	-94.81
7169	4701.57	12149.89	3940	980483.80	39.04	-95.15
9217	4703.23	12145.05	5236	980379.29	53.94	-124.40
9253	4714.55	12146.68	1967	980619.27	-30.60	-97.59
9254	4713.34	12145.92	3080	980544.70	1.34	-103.56
9255	4713.50	12145.21	2818	980558.19	-10.05	-106.03
9346	4709.70	12152.45	1367	980654.48	-44.53	-91.09
9347	4710.36	12147.78	1363	980645.25	-55.13	-101.55
9348	4709.31	12148.38	1390	980645.47	-50.79	-98.13
9349	4707.75	12148.00	1438	980636.40	-52.99	-101.97
9350	4706.77	12146.96	1536	980624.53	-54.17	-106.49
9351	4705.40	12148.58	3294	980519.34	8.06	-104.14
9352	4707.96	12151.08	2327	980589.10	-16.99	-96.25
9353	4706.96	12150.54	3202	980528.00	5.72	-103.34
9354	4707.01	12153.47	3969	980477.00	26.78	-108.40
9355	4706.48	12152.80	3608	980510.01	26.64	-96.25
9356	4705.86	12150.74	3348	980524.98	18.08	-95.95
9361	4708.52	12146.27	3263	980528.33	9.44	-101.70

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A547	4704.51	12214.55	562	980734.18	-32.74	-51.88
A548	4705.12	12212.80	196	980753.91	-48.35	-55.02
A562	4710.20	12213.90	86	980765.33	-54.92	-57.85
A563	4709.05	12214.03	112	980765.19	-50.88	-54.70
A564	4708.41	12213.43	117	980763.72	-50.92	-54.91
A565	4707.09	12213.72	148	980759.07	-50.67	-55.71
A566	4706.31	12212.95	175	980755.35	-50.68	-56.64
A571	4711.96	12212.21	72	980757.86	-66.36	-68.81
A572	4710.64	12211.13	564	980723.75	-52.20	-71.41
A573	4710.20	12209.77	592	980717.41	-55.25	-75.41
A574	4710.07	12208.60	629	980711.63	-57.35	-78.77
A575	4710.23	12207.30	602	980711.11	-60.65	-81.15
A576	4709.37	12205.40	670	980703.88	-60.19	-83.01
A577	4709.65	12203.48	698	980700.09	-61.77	-85.54
A578	4709.45	12202.00	722	980695.93	-63.37	-87.96
A579	4708.43	12203.30	691	980701.42	-59.26	-82.80
A580	4708.46	12204.75	520	980711.63	-65.18	-82.85
A581	4708.31	12205.95	425	980717.78	-67.36	-81.98
A582	4708.05	12207.10	388	980723.89	-64.72	-77.93
A583	4707.00	12207.81	328	980728.86	-63.81	-74.98
A584	4705.53	12209.37	281	980734.34	-60.54	-70.11
A585	4704.92	12211.20	231	980745.56	-53.11	-60.97
A586	4712.65	12213.50	64	980761.31	-64.70	-66.88
A587	4714.12	12213.40	66	980759.98	-68.05	-70.30
A588	4714.05	12211.77	575	980721.00	-59.05	-78.63
A589	4713.12	12211.72	547	980723.56	-57.72	-76.35
A590	4712.51	12210.02	555	980719.01	-60.60	-79.51
A591	4711.10	12209.63	607	980716.55	-56.05	-76.72
A592	4712.00	12208.23	563	980715.66	-62.43	-81.61
A593	4713.27	12208.39	570	980711.49	-67.85	-87.27
A594	4714.28	12208.59	524	980712.44	-72.75	-90.60
A595	4714.83	12209.50	505	980717.93	-69.88	-87.08
A596	4713.30	12207.33	522	980710.03	-73.87	-91.65
A597	4712.15	12207.27	598	980711.11	-63.92	-84.28
A598	4711.12	12206.02	615	980710.88	-61.00	-81.94
A599	4710.89	12205.03	649	980707.38	-60.95	-83.06
A600	4710.53	12203.76	674	980703.17	-62.27	-85.23
A601	4710.28	12201.16	677	980696.60	-68.18	-91.24
A602	4711.12	12200.90	729	980691.02	-70.13	-94.96
A603	4711.93	12200.90	727	980692.06	-70.50	-95.26
A604	4713.28	12200.90	647	980700.62	-71.50	-93.53
A605	4714.60	12200.90	659	980701.76	-71.21	-93.66
A606	4714.58	12202.60	595	980702.80	-76.16	-96.43
A607	4714.60	12204.70	530	980704.64	-80.47	-98.52
A608	4714.58	12206.57	517	980706.39	-79.91	-97.52
A609	4713.73	12205.98	521	980706.72	-77.93	-95.67
A610	4713.31	12203.45	641	980698.68	-74.05	-95.88
A611	4711.98	12204.72	632	980703.55	-68.02	-89.55
10179	4710.69	12200.55	722	980693.06	-68.11	-92.70

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10215	4710.59	12200.24	722	980693.93	-67.08	-91.68
10216	4711.10	12200.23	721	980691.12	-70.76	-95.31
10223	4711.53	12200.23	734	980690.70	-70.60	-95.60
10224	4711.97	12200.25	749	980690.99	-69.56	-95.07
10232	4712.40	12200.29	748	980692.78	-68.51	-93.99
10233	4712.61	12200.02	738	980692.68	-69.87	-95.01
10235	4712.80	12200.25	718	980692.38	-72.34	-96.79
10331	4702.32	12210.02	1035	980706.89	-12.24	-47.49
10332	4702.18	12207.35	1124	980675.64	-34.91	-73.19
10333	4713.51	12207.33	1036	980683.66	-52.21	-87.50
10334	4701.18	12210.97	688	980713.39	-36.66	-60.09
10335	4700.15	12210.20	927	980694.40	-31.62	-63.19
10336	4700.81	12209.01	1184	980676.56	-26.28	-66.61
10338	4701.22	12205.74	2002	980617.84	-8.68	-76.86
5845	4700.20	12201.60	2075	980607.80	-10.31	-80.99
5846	4700.80	12202.50	2016	980614.10	-10.47	-79.13
5847	4702.30	12204.25	1788	980630.90	-17.37	-78.27
5848	4703.30	12206.30	1221	980669.40	-33.71	-75.30
5849	4707.20	12203.30	752	980700.60	-52.49	-78.10
5850	4706.60	12201.00	1080	980677.10	-44.24	-81.02
7143	4704.90	12211.20	232	980745.10	-53.44	-61.34
7144	4707.00	12207.80	328	980736.00	-56.67	-67.84
7146	4706.00	12204.40	830	980692.80	-51.15	-79.42
7147	4704.90	12202.80	1193	980668.90	-39.25	-79.88
7157	4709.20	12207.00	629	980708.50	-59.17	-80.59
7159	4706.70	12210.30	770	980710.50	-40.15	-66.37
7160	4709.80	12207.00	643	980708.10	-59.16	-81.06
7161	4704.30	12210.40	618	980719.10	-42.23	-63.28
7496	4711.83	12214.90	70	980766.23	-57.98	-60.36
7497	4713.21	12214.30	52	980763.60	-64.38	-66.15
7498	4714.14	12214.30	57	980762.60	-66.31	-68.25
7499	4714.58	12214.80	63	980764.30	-64.70	-66.85
7511	4714.29	12213.40	69	980759.80	-68.20	-70.55
7520	4711.07	12214.03	70	980766.00	-57.06	-59.45
7521	4710.85	12213.69	77	980764.80	-57.27	-59.90
7522	4710.20	12213.90	89	980765.00	-54.97	-58.00
7523	4709.60	12213.71	104	980763.60	-54.05	-57.60
7524	4709.61	12213.00	97	980761.10	-57.23	-60.53
7525	4709.06	12214.01	111	980764.60	-51.58	-55.36
7526	4707.79	12214.11	131	980762.40	-49.99	-54.45
7527	4707.11	12213.72	148	980759.00	-50.77	-55.81
7528	4706.31	12212.95	175	980755.10	-50.93	-56.89
7529	4705.14	12212.80	197	980760.90	-41.30	-48.00
7530	4705.77	12213.74	171	980755.90	-49.69	-55.51
7531	4706.21	12213.72	165	980755.90	-50.92	-56.54
7532	4704.24	12212.91	355	980744.30	-41.30	-53.53
7533	4704.48	12214.54	562	980734.10	-32.77	-51.91
7534	4704.92	12211.20	233	980745.10	-53.38	-61.31
7535	4703.84	12207.50	281	980743.20	-49.14	-58.71
7536	4705.74	12209.19	293	980733.20	-60.87	-70.85

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
7622	4703.16	12214.12	868	980714.40	-21.70	-51.26
7623	4702.28	12214.58	759	980721.60	-23.43	-49.28
7624	4700.98	12214.79	711	980716.10	-31.49	-55.70
7628	4700.33	12214.54	690	980715.30	-33.28	-56.75
7629	4701.00	12212.60	472	980727.20	-42.90	-58.97
7630	4700.25	12211.90	536	980719.10	-43.85	-62.10
7659	4708.46	12212.06	551	980731.20	-42.69	-61.46
7660	4707.55	12209.92	848	980705.10	-39.49	-68.37
9102	4705.57	12209.34	280	980733.36	-61.68	-71.21
9103	4707.58	12205.29	713	980697.93	-59.40	-83.65
9104	4708.40	12203.30	692	980700.59	-59.95	-83.52
9105	4708.97	12201.49	723	980695.81	-62.67	-87.30
9106	4707.96	12201.10	625	980700.91	-65.27	-86.56
9107	4709.37	12200.20	747	980692.98	-63.85	-89.29
9108	4709.62	12203.47	698	980698.77	-63.04	-86.82
9109	4709.36	12205.42	644	980702.97	-63.53	-85.47
9110	4710.90	12205.05	645	980706.04	-62.68	-84.65
9111	4711.07	12206.98	588	980712.82	-61.52	-81.55
9112	4712.12	12207.27	598	980710.01	-64.97	-85.34
9113	4713.26	12207.30	523	980708.80	-74.95	-92.76
9114	4710.68	12200.55	722	980691.71	-69.44	-94.03
9115	4711.09	12202.17	699	980693.13	-70.80	-94.61
9116	4711.37	12203.45	661	980698.54	-69.39	-91.50
9117	4712.39	12204.71	647	980699.54	-71.24	-93.27
9118	4713.70	12206.08	520	980705.82	-78.87	-96.59
9119	4714.58	12206.66	517	980705.37	-80.93	-98.54
9120	4714.58	12204.73	530	980703.36	-81.72	-99.77
9121	4714.57	12202.64	595	980701.52	-77.43	-97.69
9122	4714.58	12200.90	659	980700.60	-72.34	-94.79
9123	4713.27	12200.53	671	980694.03	-75.81	-98.67
9124	4713.70	12203.47	641	980697.05	-76.26	-98.10
9125	4712.61	12202.18	641	980698.09	-73.58	-95.42
9126	4711.50	12200.91	735	980689.40	-71.76	-96.80

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4700

STATION I.D.	LATITUDE (D.M.M/100)	LONGITUDE (D.M.M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1159	4714.20	12215.55	400	980747.36	-49.37	-63.00
A1160	4714.20	12217.55	369	980753.84	-45.81	-58.38
A1161	4714.40	12219.56	42	980778.53	-52.18	-53.61
A1162	4714.35	12221.32	14	980780.28	-52.99	-53.46
A1163	4714.39	12223.83	3	980786.39	-47.97	-48.07
A1175	4709.32	12227.23	311	980745.46	-52.30	-62.90
A504	4701.25	12226.25	420	980723.99	-51.37	-65.68
A505	4701.85	12226.35	414	980723.81	-53.02	-67.12
A506	4702.90	12226.51	429	980725.13	-51.87	-66.48
A507	4705.00	12226.03	383	980730.57	-53.92	-66.96
A508	4704.08	12224.78	407	980728.87	-51.98	-65.84
A509	4703.20	12223.83	423	980729.11	-48.91	-63.32
A510	4702.30	12222.55	460	980727.26	-45.92	-61.59
A511	4701.19	12222.07	467	980724.61	-46.24	-62.15
A512	4700.50	12222.02	443	980725.23	-46.84	-61.93
A517	4700.98	12217.67	739	980717.04	-27.91	-53.08
A535	4702.36	12227.83	386	980727.15	-53.08	-66.23
A536	4703.39	12228.70	374	980729.80	-53.11	-65.85
A537	4704.96	12223.96	429	980730.96	-49.14	-63.75
A538	4704.50	12221.91	427	980731.48	-48.12	-62.66
A539	4704.29	12220.15	429	980734.98	-44.11	-58.73
A540	4703.19	12219.20	486	980732.24	-39.84	-56.39
A541	4703.18	12222.07	443	980729.07	-47.04	-62.12
A542	4703.20	12221.12	500	980726.52	-44.26	-61.29
A543	4703.17	12220.15	510	980732.66	-37.13	-54.50
A544	4703.20	12217.67	601	980729.59	-31.69	-52.15
A545	4703.15	12216.68	641	980730.25	-27.19	-49.02
A546	4703.19	12215.24	746	980722.35	-25.27	-50.68
A550	4705.83	12226.54	349	980733.52	-55.42	-67.30
A551	4706.66	12224.85	363	980736.92	-51.95	-64.31
A552	4707.61	12226.02	320	980739.48	-54.86	-65.76
A553	4708.51	12225.31	379	980738.39	-51.76	-64.67
A554	4709.32	12224.83	369	980742.60	-49.71	-62.28
A555	4709.30	12223.29	416	980742.79	-45.07	-59.24
A556	4709.29	12221.99	486	980741.09	-40.17	-56.72
A557	4709.29	12220.73	469	980743.64	-39.22	-55.19
A558	4709.30	12219.54	405	980748.42	-40.47	-54.27
A559	4709.30	12217.51	435	980749.93	-36.14	-50.96
A560	4710.15	12217.05	402	980752.58	-37.87	-51.56
A567	4708.24	12215.77	563	980738.41	-34.02	-53.20
A568	4707.57	12217.50	460	980743.05	-38.06	-53.73
A569	4705.51	12217.50	471	980740.02	-36.96	-53.00
A570	4704.46	12217.55	553	980732.73	-34.96	-53.79
FA117	4709.32	12227.23	311	980745.46	-52.30	-62.90
1993	4713.11	12224.41	232	980768.40	-42.50	-50.40
1994	4712.38	12224.41	325	980759.60	-41.45	-52.52
1995	4711.52	12224.41	412	980750.90	-40.67	-54.71
1996	4710.35	12224.11	423	980745.30	-43.48	-57.89
1998	4708.44	12224.23	372	980739.80	-50.90	-63.57

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
1999	4708.86	12222.62	434	980740.50	-45.00	-59.78
2000	4709.74	12222.62	454	980743.00	-41.94	-57.41
2001	4710.64	12222.62	422	980748.90	-40.41	-54.78
2002	4711.94	12222.82	420	980752.80	-38.65	-52.96
2003	4712.68	12222.82	274	980763.80	-42.50	-51.83
2004	4713.68	12223.27	32	980781.60	-48.97	-50.06
2005	4713.99	12224.50	90	980780.00	-45.58	-48.64
2006	4713.41	12225.97	332	980762.30	-39.64	-50.95
2007	4712.41	12225.97	347	980757.80	-41.23	-53.04
2008	4711.96	12225.97	387	980754.10	-40.49	-53.67
2009	4711.53	12225.97	398	980751.80	-41.10	-54.66
2010	4713.71	12226.12	384	980746.50	-51.00	-64.08
2011	4709.33	12226.14	327	980744.10	-52.17	-63.31
2012	4709.33	12227.23	314	980745.50	-52.00	-62.69
2013	4709.35	12229.64	275	980751.30	-49.89	-59.26
2014	4710.23	12229.47	272	980755.80	-47.00	-56.26
2015	4711.43	12228.96	260	980760.70	-45.03	-53.89
2016	4712.28	12228.96	240	980763.10	-45.79	-53.97
2017	4713.34	12228.37	319	980762.50	-40.56	-51.42
2021	4713.61	12227.72	285	980752.30	-54.36	-64.07
2024	4714.36	12226.04	70	980783.30	-44.71	-47.10
2025	4714.22	12227.39	369	980763.50	-36.18	-48.75
2026	4714.59	12228.90	359	980763.70	-37.48	-49.70
2027	4714.07	12229.75	350	980760.90	-40.34	-52.26
2088	4707.93	12227.88	294	980742.40	-54.87	-64.88
2089	4707.61	12224.54	321	980741.50	-52.75	-63.68
2090	4707.90	12222.62	425	980729.60	-55.30	-69.78
2091	4708.27	12225.97	315	980741.50	-54.31	-65.04
2092	4708.79	12228.00	296	980745.20	-53.18	-63.26
7513	4712.45	12216.58	54	980770.70	-55.95	-57.78
7515	4712.61	12219.22	33	980775.90	-52.96	-54.09
7519	4711.81	12215.95	62	980769.70	-55.23	-57.34
7568	4713.40	12221.32	23	980781.60	-49.39	-50.17
7569	4714.35	12221.96	12	980781.20	-52.25	-52.66
7570	4714.35	12219.20	204	980764.40	-51.00	-57.54
7571	4714.36	12218.33	258	980761.20	-49.13	-57.92
7572	4713.72	12217.54	374	980752.60	-45.86	-58.60
7573	4713.72	12216.74	374	980750.90	-47.56	-60.30
7574	4712.96	12216.59	407	980747.50	-46.71	-60.57
7575	4712.84	12215.61	481	980739.10	-47.97	-64.35
7576	4714.48	12215.84	384	980747.80	-50.86	-63.94
7577	4714.58	12217.53	337	980755.50	-47.73	-59.21
7594	4712.06	12220.39	32	980775.60	-52.53	-53.62
7595	4710.73	12217.51	47	980774.80	-49.92	-51.52
7596	4712.15	12219.62	28	980776.10	-52.54	-53.49
7597	4712.61	12221.48	23	980778.90	-50.90	-51.69
7600	4711.07	12221.97	380	980752.50	-41.41	-54.35
7601	4710.20	12221.32	427	980748.00	-40.18	-54.72
7602	4710.20	12219.59	328	980754.50	-42.99	-54.16
7603	4709.25	12215.36	509	980742.00	-37.03	-54.37

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4700

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
7604	4707.96	12215.84	550	980737.50	-35.74	-54.47
7605	4708.40	12217.47	453	980744.40	-38.62	-54.05
7606	4708.40	12220.06	453	980741.60	-41.42	-56.85
7607	4708.39	12221.97	464	980737.30	-44.67	-60.48
7608	4707.55	12221.97	437	980736.40	-46.85	-61.73
7609	4707.53	12220.39	468	980737.60	-42.70	-58.64
7610	4706.66	12221.37	388	980738.60	-47.92	-61.13
7611	4706.66	12220.08	417	980738.90	-44.89	-59.09
7612	4707.10	12218.80	472	980737.80	-41.48	-57.55
7613	4707.10	12217.50	498	980736.40	-40.43	-57.39
7614	4704.48	12215.61	584	980732.40	-32.40	-52.29
7615	4704.30	12219.48	443	980733.50	-44.29	-59.38
7616	4701.22	12220.73	478	980727.10	-42.76	-59.04
7617	4701.20	12222.10	480	980723.50	-46.15	-62.49
7618	4700.09	12221.56	624	980713.40	-41.03	-62.28
7619	4700.43	12219.26	740	980713.90	-30.13	-55.34
7620	4702.19	12218.89	517	980720.90	-46.76	-64.36
7621	4703.16	12215.21	747	980721.40	-26.08	-51.52
7625	4700.98	12215.78	704	980717.80	-30.45	-54.42
7626	4700.99	12217.05	716	980717.90	-29.23	-53.62
7627	4700.13	12217.03	737	980714.90	-28.96	-54.06
7645	4712.82	12220.41	31	980768.70	-60.67	-61.72
7646	4711.41	12219.63	30	980776.10	-51.24	-52.26
7647	4710.18	12218.41	228	980762.60	-44.26	-52.03
7648	4706.15	12215.86	588	980742.50	-24.44	-44.46
7649	4705.67	12215.45	598	980732.70	-32.57	-52.94
7652	4703.18	12216.64	639	980728.80	-28.87	-50.63
7653	4703.18	12217.55	603	980727.40	-33.66	-54.19
7654	4703.18	12219.17	486	980730.60	-41.46	-58.01
7655	4703.18	12220.14	511	980726.90	-42.81	-60.21
7656	4703.17	12221.05	500	980725.00	-45.73	-62.76
7657	4703.17	12222.02	445	980736.00	-39.90	-55.06
7658	4702.31	12218.89	504	980730.10	-38.96	-56.13

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12045/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L4503	4726.22	12056.21	4242	980495.01	41.58	-102.91
L4504	4722.57	12052.48	3109	980573.36	18.84	-87.05
L4505	4720.90	12050.78	2728	980596.32	8.48	-84.44
L4506	4721.55	12049.58	2879	980587.28	12.67	-85.39
L4507	4721.97	12048.09	3087	980575.43	19.75	-85.39
L4508	4719.89	12051.18	2611	980601.90	4.57	-84.36
L4509	4718.43	12051.23	2553	980610.52	9.93	-77.02
L4510	4717.39	12051.43	2389	980615.53	1.08	-80.29
L4534	4724.98	12047.09	5764	980414.25	105.84	-90.48
L4535	4725.37	12048.25	7223	980305.18	133.42	-112.60
L4536	4725.40	12046.45	7297	980300.51	135.66	-112.87
L4537	4725.88	12045.52	7169	980305.54	127.93	-116.24
L4546	4723.72	12052.48	3947	980522.20	44.78	-89.66
L4547	4725.03	12053.12	5250	980448.72	91.89	-86.93
L4548	4725.38	12053.07	5587	980427.59	101.93	-88.36
L4549	4724.06	12052.92	4321	980498.64	55.88	-91.29
L4554	4727.59	12056.04	6499	980367.51	124.31	-97.05
L4639	4729.90	12052.23	5066	980455.99	74.53	-98.02

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3295	4715.19	12110.59	2220	980606.56	-20.47	-96.09
3446	4715.88	12113.01	2399	980597.87	-13.37	-95.07
4511	4715.47	12103.39	2285	980611.98	-9.36	-87.19
4512	4716.51	12104.41	2344	980611.36	-6.00	-85.83
4513	4716.83	12105.01	2265	980616.90	-8.37	-85.51
4514	4726.51	12103.34	2896	980575.84	-4.63	-103.27
4515	4725.63	12104.04	2830	980572.99	-12.37	-108.76
4516	4721.92	12106.03	2302	980605.11	-24.33	-102.74
4517	4721.33	12106.23	2261	980608.95	-23.46	-100.47
4518	4720.82	12106.15	2247	980610.65	-22.31	-98.85
4520	4715.85	12112.21	2269	980603.80	-19.62	-96.90
4521	4719.81	12114.13	2261	980600.85	-29.28	-106.29
4522	4716.56	12111.29	2261	980602.94	-22.30	-99.31
4557	4725.26	12109.57	2788	980567.61	-21.14	-116.10
4559	4725.94	12110.91	2791	980572.81	-16.68	-111.74
4560	4728.59	12113.88	2984	980567.59	-7.73	-109.37

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
3297	4725.46	12124.77	3004	980554.72	-14.02	-116.33
5638	4727.90	12126.70	4016	980487.30	10.08	-126.70
5639	4729.30	12126.10	1650	980607.90	-93.97	-150.17
9068	4729.51	12126.03	1550	980623.00	-88.59	-141.38
9069	4729.00	12123.39	1840	980588.95	-94.60	-157.27
9294	4715.90	12124.54	2087	980595.35	-45.26	-116.34
9295	4717.22	12125.71	3566	980513.37	9.89	-111.57
9296	4716.33	12126.41	2669	980560.91	-25.61	-116.51
9297	4716.79	12127.91	3222	980531.66	-3.53	-113.27
9298	4715.39	12129.00	3911	980481.29	13.01	-120.20
9300	4715.41	12126.76	3515	980504.22	-1.34	-121.06
9369	4718.12	12119.29	2447	980585.71	-24.38	-107.72
9376	4716.59	12120.23	3963	980484.17	18.98	-116.00
9377	4717.37	12117.98	2378	980591.19	-24.26	-105.26
9378	4719.06	12116.69	2472	980586.60	-22.55	-106.75
9384	4718.23	12120.23	2854	980559.09	-12.88	-110.09
9385	4718.79	12120.98	2521	980580.99	-23.15	-109.01
9386	4719.50	12122.23	2771	980566.49	-15.20	-109.58
9387	4720.45	12122.45	2575	980572.61	-28.94	-116.65
9388	4720.08	12123.55	3089	980544.60	-8.05	-113.26
9389	4721.15	12124.24	4988	980417.81	42.17	-127.72
9391	4720.65	12126.19	4195	980479.26	29.78	-113.10
9392	4718.76	12125.17	3350	980528.45	2.33	-111.77
9393	4717.64	12122.35	3642	980507.62	10.65	-113.39
9397	4723.63	12125.91	4008	980489.32	17.77	-118.74
9399	4723.02	12124.22	3745	980506.67	11.30	-116.25
9400	4722.04	12123.87	2776	980566.41	-18.63	-113.18
9402	4725.46	12124.77	3004	980561.72	-7.02	-109.33
9705	4723.74	12128.41	1896	980607.36	-63.01	-127.59
9707	4723.86	12129.13	1850	980608.00	-66.88	-129.89
9708	4725.05	12128.80	5629	980366.15	44.94	-146.79
9709	4724.24	12129.18	2516	980572.00	-40.80	-126.50
9717	4726.37	12129.55	3456	980526.04	-1.55	-119.26
9719	4728.03	12129.85	3882	980502.25	12.23	-119.99
9721	4726.98	12128.08	4510	980460.18	30.81	-122.80
9729	4724.95	12126.51	2320	980588.17	-44.14	-123.16
9755	4720.81	12115.10	2270	980598.12	-32.66	-109.98
9756	4721.09	12116.49	3080	980549.73	-5.29	-110.19
9757	4721.43	12116.80	3792	980503.14	14.58	-114.57
9758	4722.58	12119.12	4000	980498.92	28.20	-108.04
9759	4722.45	12117.78	3450	980529.11	6.85	-110.66
9760	4721.61	12115.18	2440	980589.22	-26.78	-109.88
9761	4723.70	12116.66	2600	980574.65	-29.44	-118.00
9762	4724.07	12118.70	3310	980536.78	-1.08	-113.82
9763	4723.30	12115.27	3800	980506.35	15.73	-113.69
9764	4717.37	12115.49	4544	980450.68	38.96	-115.81
9769	4720.89	12118.41	4917	980431.34	49.41	-118.06
9770	4721.49	12118.82	4367	980472.92	38.36	-110.38
9771	4721.81	12121.31	3576	980520.95	11.50	-110.29

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9772	4721.40	12121.53	3796	980499.17	11.03	-118.26
9773	4722.11	12121.06	4011	980492.86	23.88	-112.74
9774	4722.08	12122.26	2615	980575.32	-24.92	-113.99
9775	4723.63	12122.65	2537	980577.83	-32.08	-118.49
9776	4724.51	12122.23	2621	980573.50	-29.83	-119.10
9777	4720.16	12120.79	2540	980581.05	-23.35	-109.86
9778	4719.57	12119.37	2655	980573.63	-19.08	-109.51
9782	4723.57	12128.40	1900	980636.30	-63.44	-128.15
9783	4723.06	12128.15	2329	980579.89	-48.73	-128.05
9784	4721.60	12128.45	3575	980512.23	3.01	-118.76

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
5524	4729.20	12142.70	761	980723.40	-61.94	-87.86
5527	4724.60	12143.20	1540	980663.70	-41.45	-93.90
5528	4722.20	12137.30	1570	980648.00	-50.72	-104.19
5529	4721.10	12139.80	1735	980638.20	-43.34	-102.44
5531	4719.50	12144.00	2714	980572.00	-15.05	-107.49
5533	4715.05	12143.78	1141	980674.60	-53.71	-92.58
9053	4729.93	12139.60	1514	980658.61	-57.00	-108.56
9054	4729.38	12141.53	1272	980676.86	-60.68	-104.01
9056	4729.07	12144.85	520	980695.66	-112.15	-129.86
9057	4728.07	12140.80	796	980709.46	-70.89	-98.00
9058	4728.73	12136.48	4642	980442.09	22.51	-135.60
9075	4727.47	12137.50	4926	980424.17	33.19	-134.59
9092	4727.97	12135.63	5124	980419.03	45.93	-128.60
9274	4718.14	12143.78	2230	980630.82	-29.71	-105.66
9278	4715.98	12142.78	1310	980650.17	-63.65	-108.27
9280	4716.67	12141.61	3200	980533.06	-4.02	-113.01
9281	4717.52	12138.95	3630	980509.71	11.80	-111.84
9284	4715.63	12133.04	2230	980590.83	-35.93	-111.88
9428	4720.57	12144.30	3180	980546.67	1.84	-106.47
9429	4720.71	12142.81	3365	980531.33	3.69	-110.92
9430	4721.74	12143.80	3344	980539.51	8.35	-105.55
9440	4725.42	12144.15	1623	980661.96	-36.61	-91.85
9441	4725.63	12142.86	2457	980610.85	-9.59	-93.28
9443	4723.34	12140.71	2175	980618.70	-24.83	-98.91
9444	4722.97	12139.42	1654	980648.56	-43.41	-99.75
9446	4721.05	12134.58	1885	980622.21	-45.15	-109.35
9447	4720.47	12132.17	1909	980618.43	-45.80	-110.82
9448	4719.46	12130.95	2480	980583.90	-25.10	-109.57
9450	4718.34	12130.80	2314	980592.63	-30.30	-109.12
9452	4721.69	12140.32	1813	980637.53	-37.56	-99.31
9453	4721.15	12137.57	2912	980568.01	-2.90	-102.08
9454	4720.07	12136.73	3540	980524.49	14.27	-106.30
9455	4718.83	12137.70	2801	980565.74	-12.12	-107.52
9456	4721.93	12141.46	1620	980648.38	-45.23	-100.40
9457	4719.70	12139.97	2763	980567.31	-15.43	-109.54
9458	4723.48	12143.31	1585	980654.31	-44.92	-98.91
9710	4725.34	12130.63	3761	980505.22	7.87	-120.23
9711	4725.54	12132.15	4254	980480.19	28.91	-115.98
9712	4725.63	12131.50	5099	980406.52	34.58	-139.09
9715	4726.13	12133.80	5584	980374.92	47.85	-142.34
9724	4728.07	12143.90	586	980728.01	-72.09	-92.05
9725	4722.77	12130.90	2455	980579.75	-36.58	-120.20
9726	4723.60	12132.48	1620	980630.55	-65.57	-120.75
9727	4724.93	12135.15	1480	980650.39	-60.90	-111.31
9728	4724.09	12134.20	1540	980644.85	-59.53	-111.98
9786	4723.53	12130.43	1750	980617.13	-66.66	-126.26
9787	4725.40	12136.83	1669	980647.64	-46.58	-103.42
9788	4726.14	12139.35	1215	980679.85	-58.18	-99.57
9789	4726.07	12138.18	1340	980670.40	-55.77	-101.41

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9790	4726.72	12140.45	1210	980682.23	-57.15	-98.36
9791	4726.88	12143.55	647	980727.06	-65.51	-87.55
9792	4727.61	12142.55	610	980725.60	-71.55	-92.33
9793	4728.58	12142.05	794	980712.26	-69.04	-96.08
9794	4728.34	12143.09	706	980718.73	-70.49	-94.53

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
A1298	4721.60	12159.00	605	980726.21	-62.37	-82.98
A1303	4723.20	12150.80	966	980710.69	-46.34	-79.24
A1304	4724.10	12149.44	965	980708.09	-50.39	-83.26
A1305	4724.70	12148.17	912	980710.08	-54.29	-85.35
A1306	4725.35	12146.88	929	980709.51	-55.24	-86.88
A1307	4726.30	12145.85	917	980710.88	-55.42	-86.66
A1308	4727.40	12145.35	766	980726.02	-56.14	-82.23
A1312	4719.50	12154.46	840	980718.64	-44.68	-73.25
A1313	4717.10	12155.41	841	980711.92	-47.70	-76.34
A1314	4717.10	12157.57	703	980716.60	-56.00	-79.94
A1315	4715.40	12159.22	694	980704.68	-66.21	-89.84
A1316	4717.20	12159.54	651	980716.32	-61.32	-83.49
B239	4729.50	12146.70	451	980737.89	-77.06	-92.42
B240	4729.04	12145.73	481	980736.94	-74.49	-90.88
10932	4718.09	12156.30	789	980718.54	-47.46	-74.33
10933	4717.83	12155.51	791	980718.20	-47.22	-74.16
10935	4719.66	12153.62	874	980715.85	-44.51	-74.28
10936	4715.39	12157.07	759	980705.34	-59.42	-85.27
10937	4715.40	12155.79	818	980704.20	-55.02	-82.88
10939	4716.22	12159.53	504	980713.19	-76.80	-93.97
5509	4728.60	12151.10	1396	980693.30	-31.41	-78.95
5511	4729.50	12155.50	1822	980680.60	-5.39	-67.45
5526	4725.40	12146.90	929	980709.90	-53.92	-85.56
5530	4721.00	12145.80	2918	980565.50	-4.62	-104.01
5532	4723.20	12150.80	966	980711.50	-45.53	-78.43
9136	4715.60	12159.90	681	980704.45	-67.96	-91.15
9137	4717.28	12159.31	666	980714.31	-62.04	-84.72
9138	4718.69	12159.81	766	980713.95	-55.11	-81.20
9139	4715.39	12158.39	834	980698.70	-59.60	-87.41
9140	4716.55	12158.15	717	980710.65	-59.80	-84.22
9141	4718.01	12156.81	661	980724.10	-53.82	-76.33
9142	4719.28	12158.01	793	980717.58	-49.83	-76.84
9143	4717.14	12155.80	839	980710.77	-49.09	-77.67
9144	4717.83	12154.63	871	980711.71	-46.18	-75.85
9145	4716.65	12153.55	1206	980685.38	-39.23	-80.30
9146	4715.88	12152.73	1877	980638.32	-22.01	-85.94
9147	4715.84	12154.64	1150	980685.24	-43.42	-82.58
9148	4716.22	12156.23	800	980699.52	-62.63	-89.88
9152	4718.76	12153.72	882	980712.69	-45.57	-75.61
9153	4720.64	12156.80	730	980723.62	-51.76	-76.62
9154	4719.47	12153.58	855	980716.00	-45.86	-74.99
9155	4720.43	12153.47	914	980710.26	-47.50	-78.63
9156	4721.42	12153.01	938	980710.68	-46.31	-78.26
9157	4721.48	12155.26	812	980717.57	-51.36	-79.02
9158	4721.39	12156.94	662	980728.19	-54.72	-77.26
9159	4722.63	12158.44	643	980723.66	-62.90	-84.80
9160	4720.61	12159.93	633	980721.26	-63.20	-84.76
9247	4718.31	12150.96	897	980703.46	-52.71	-83.26
9249	4717.44	12148.54	984	980687.98	-58.70	-92.21

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9250	4716.64	12147.07	1230	980671.05	-51.28	-93.18
9251	4717.92	12150.99	1463	980667.87	-34.47	-84.30
9252	4715.51	12146.76	1234	980664.80	-55.46	-97.49
9273	4718.02	12146.36	1250	980671.97	-50.56	-93.13
9275	4719.24	12147.51	1325	980671.15	-46.16	-91.29
9276	4720.60	12149.07	1359	980676.15	-40.01	-86.29
9277	4716.43	12145.19	1452	980649.01	-52.13	-101.58
9416	4724.86	12148.64	956	980710.60	-49.87	-82.43
9417	4725.71	12147.79	1580	980670.50	-32.55	-86.37
9418	4725.66	12149.03	1900	980656.88	-16.00	-80.71
9419	4725.66	12151.36	1499	980684.04	-26.56	-77.61
9420	4724.48	12151.89	1238	980697.15	-36.22	-78.39
9421	4723.37	12151.50	842	980719.81	-49.14	-77.82
9422	4723.17	12150.79	966	980710.85	-46.14	-79.04
9423	4722.16	12149.54	1241	980688.92	-40.78	-83.09
9424	4720.88	12148.39	1356	980683.17	-33.69	-79.88
9425	4721.56	12148.47	1350	980675.90	-42.55	-88.53
9426	4720.24	12146.16	2064	980618.06	-31.24	-101.54
9427	4721.91	12146.33	3115	980551.01	-1.95	-108.04
9431	4722.99	12145.08	3817	980512.43	23.88	-106.13
9432	4723.16	12146.99	2793	980581.21	-3.92	-99.04
9433	4722.86	12148.12	2076	980627.26	-24.86	-95.56
9434	4723.56	12149.08	1500	980671.74	-35.61	-86.70
9435	4724.51	12146.82	1603	980662.70	-36.39	-90.98

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1003	4727.56	12212.50	210	980783.41	-51.29	-58.44
A1004	4726.72	12211.73	397	980769.69	-46.16	-59.68
A1005	4725.82	12211.73	455	980760.79	-48.25	-63.74
A1006	4724.50	12213.59	31	980785.11	-61.82	-62.88
A1007	4723.64	12213.59	35	980782.13	-63.13	-64.33
A1008	4722.79	12213.59	99	980776.26	-61.71	-65.08
A1009	4721.48	12214.89	38	980785.58	-56.15	-57.45
A1010	4720.58	12213.25	54	980776.59	-62.29	-64.12
A1011	4719.03	12212.87	75	980773.71	-60.81	-63.37
A1012	4717.82	12212.96	132	980764.72	-65.49	-68.96
A1309	4720.90	12206.86	352	980738.84	-72.49	-84.48
A1310	4720.60	12203.14	511	980725.60	-70.32	-87.72
A1311	4720.85	12201.06	565	980722.04	-69.18	-88.42
A1317	4717.10	12202.03	372	980729.71	-74.02	-86.65
A991	4727.98	12213.57	16	980796.75	-56.83	-57.37
A992	4729.19	12213.57	359	980772.38	-50.75	-62.98
A993	4729.32	12211.71	32	980787.14	-66.95	-68.04
B215	4726.74	12210.43	393	980765.18	-51.07	-64.46
B216	4726.70	12209.17	504	980750.88	-54.87	-72.04
B217	4726.40	12207.57	475	980747.13	-60.90	-77.08
B218	4725.61	12206.48	530	980735.30	-66.37	-84.42
B219	4725.28	12204.95	485	980727.23	-78.17	-94.65
B220	4724.53	12204.06	592	980718.03	-76.18	-96.34
B221	4723.85	12202.60	417	980729.72	-79.93	-94.13
B222	4726.43	12203.72	247	980747.24	-82.28	-90.65
B223	4726.90	12202.12	371	980739.33	-79.23	-91.87
B224	4728.00	12201.44	275	980751.90	-77.35	-86.71
B225	4729.33	12201.42	172	980766.50	-74.43	-80.29
L5159	4729.33	12201.42	175	980763.47	-77.18	-83.14
L5160	4728.59	12201.55	300	980751.44	-76.34	-86.56
4497	4729.73	12207.25	46	980753.48	-99.91	-101.47
4498	4729.30	12207.46	408	980746.28	-72.41	-86.31
4499	4729.28	12206.08	496	980739.40	-70.98	-87.88
4500	4724.37	12202.21	576	980732.43	-63.05	-82.66
7502	4718.45	12213.84	64	980771.30	-63.43	-65.61
7503	4720.63	12213.63	46	980778.00	-61.70	-63.27
7504	4719.99	12208.89	370	980738.90	-69.37	-81.97
7505	4720.64	12209.85	405	980740.00	-65.95	-79.74
7506	4719.35	12210.50	447	980737.80	-62.26	-77.48
7507	4718.94	12211.82	352	980746.50	-61.48	-73.47
7508	4717.43	12212.39	119	980758.70	-69.32	-73.38
7509	4716.58	12212.01	125	980752.40	-73.78	-78.04
7510	4715.88	12213.67	95	980759.60	-68.35	-71.55
9129	4716.75	12206.54	130	980735.72	-90.25	-94.67
9130	4716.93	12203.21	190	980738.70	-81.89	-88.36
9131	4716.43	12201.38	205	980738.75	-79.68	-86.66
9132	4717.34	12204.63	175	980737.97	-84.65	-90.61
9133	4715.42	12203.51	575	980706.89	-75.22	-94.80
9134	4715.45	12206.04	530	980706.21	-80.18	-98.23

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9135	4715.40	12201.59	590	980709.70	-70.97	-91.06
9161	4720.85	12201.08	565	980722.58	-68.64	-87.88
9162	4721.78	12200.10	550	980723.37	-70.66	-89.35
9163	4722.19	12201.53	550	980718.83	-75.81	-94.55
9164	4720.63	12203.17	511	980724.94	-71.03	-88.43
9165	4719.75	12201.65	546	980725.16	-66.19	-84.75
9166	4718.08	12205.11	400	980721.88	-80.69	-94.31
9167	4719.21	12207.03	330	980732.92	-77.93	-89.17
9168	4720.92	12206.84	375	980738.67	-70.52	-83.30
9169	4719.50	12205.39	550	980722.11	-68.49	-87.22
9170	4722.33	12206.76	425	980736.11	-70.50	-84.98
9171	4721.39	12203.49	559	980719.75	-72.84	-91.88

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1151	4719.10	12218.51	472	980764.67	-32.66	-48.74
A1152	4719.90	12219.82	366	980777.82	-30.69	-43.15
A1153	4720.00	12222.28	5	980810.75	-31.86	-32.03
A1154	4719.20	12225.61	8	980814.49	-26.64	-26.91
A1155	4718.35	12226.58	5	980810.66	-29.47	-29.64
A1156	4717.20	12222.92	445	980767.13	-29.88	-45.04
A1157	4716.40	12221.59	421	980761.22	-36.85	-51.19
A1158	4716.80	12218.17	374	980758.95	-44.14	-56.88
A1164	4715.16	12226.15	90	980787.43	-39.91	-42.97
B292	4729.31	12221.07	433	980776.40	-39.95	-54.70
B293	4728.34	12219.33	356	980779.76	-42.38	-54.50
B294	4728.13	12217.46	394	980773.10	-45.15	-58.57
B295	4726.08	12217.65	335	980780.23	-40.49	-51.90
B296	4724.93	12217.89	339	980778.29	-40.32	-51.87
B297	4724.13	12218.70	182	980788.97	-43.20	-49.40
B298	4723.48	12217.45	382	980772.47	-39.92	-52.93
B299	4722.71	12216.17	40	980789.56	-53.84	-55.20
1689	4728.88	12228.95	2	980824.80	-31.45	-31.52
1690	4729.81	12228.68	0	980812.60	-45.23	-45.23
1754	4724.33	12229.14	343	980805.90	-11.43	-23.11
1755	4724.67	12227.54	283	980807.60	-15.89	-25.53
1756	4725.78	12227.54	375	980801.90	-14.70	-27.47
1757	4727.30	12228.83	350	980804.60	-16.54	-28.46
1759	4728.70	12226.78	3	980819.50	-36.38	-36.49
1760	4724.48	12226.20	15	980824.50	-23.91	-24.42
1761	4723.40	12224.40	400	980794.20	-16.37	-30.00
1762	4723.62	12222.54	14	980815.20	-32.01	-32.49
1764	4723.15	12228.61	15	980827.10	-19.31	-19.82
2053	4715.18	12227.20	354	980769.70	-32.83	-44.89
2054	4715.46	12226.29	111	980786.30	-39.51	-43.29
2055	4715.98	12227.44	271	980779.90	-31.65	-40.88
2056	4715.70	12228.66	337	980772.20	-32.72	-44.19
2057	4716.55	12228.68	235	980783.90	-31.89	-39.89
2058	4716.51	12227.81	29	980799.60	-35.51	-36.49
2060	4717.09	12229.98	312	980775.60	-33.76	-44.39
2064	4716.27	12229.72	370	980770.10	-32.57	-45.17
2075	4717.86	12224.30	399	980776.80	-25.53	-39.12
2076	4718.29	12226.46	45	980806.70	-29.58	-31.11
2078	4719.29	12223.40	172	980798.30	-27.54	-33.39
2079	4719.11	12224.87	104	980805.10	-26.86	-30.40
2080	4718.16	12223.12	287	980783.60	-29.72	-39.49
2081	4717.09	12222.82	447	980765.50	-31.16	-46.39
2082	4716.41	12223.31	7	980791.70	-45.32	-45.56
2083	4715.77	12223.69	8	980789.60	-46.37	-46.64
2084	4715.20	12224.06	10	980788.00	-46.92	-47.26
2085	4715.55	12225.14	15	980791.20	-43.78	-44.29
7500	4716.01	12215.20	66	980766.20	-64.67	-66.92
7501	4717.61	12215.10	72	980772.70	-60.02	-62.47
7540	4716.10	12220.98	376	980762.00	-39.85	-52.66

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4715

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
7541	4716.43	12221.59	417	980761.40	-37.09	-51.29
7542	4717.46	12221.59	374	980769.30	-34.78	-47.52
7543	4718.05	12221.57	337	980774.40	-34.05	-45.53
7544	4719.78	12222.17	76	980803.80	-31.80	-34.39
7545	4719.00	12221.59	313	980780.30	-31.84	-42.50
7546	4719.78	12221.57	256	980789.20	-29.47	-38.19
7547	4720.22	12220.62	247	980787.30	-32.88	-41.29
7548	4719.87	12219.68	341	980777.30	-33.51	-45.13
7549	4719.35	12219.70	410	980771.70	-31.84	-45.80
7550	4719.78	12218.67	481	980764.70	-32.81	-49.15
7551	4718.98	12220.56	307	980779.40	-33.27	-43.73
7552	4720.89	12219.32	28	980804.90	-36.89	-37.84
7553	4721.47	12218.73	300	980784.20	-32.88	-43.09
7554	4722.11	12218.73	262	980786.00	-35.61	-44.54
7555	4722.11	12218.17	276	980783.40	-36.90	-46.30
7556	4722.19	12217.14	370	980772.70	-38.87	-51.48
7557	4721.46	12216.80	358	980773.50	-38.10	-50.30
7558	4720.58	12218.00	467	980768.00	-32.03	-47.93
7559	4720.58	12216.82	451	980767.80	-33.73	-49.09
7560	4720.09	12216.18	455	980762.00	-38.42	-53.92
7561	4719.76	12217.66	457	980764.30	-35.44	-51.00
7562	4718.05	12218.73	343	980767.20	-40.69	-52.37
7563	4717.42	12220.01	258	980773.00	-41.93	-50.72
7564	4716.97	12219.24	206	980772.40	-46.75	-53.76
7565	4715.70	12220.10	68	980778.60	-51.62	-53.93
7578	4716.11	12217.05	408	980751.80	-47.05	-60.95
7579	4717.16	12216.16	450	980751.10	-45.38	-60.71
7580	4717.13	12216.27	342	980761.10	-45.50	-57.15
7581	4718.89	12216.92	415	980761.00	-41.38	-55.51
7582	4717.60	12217.45	388	980758.30	-44.68	-57.89
7583	4716.72	12217.76	354	980758.40	-46.45	-58.51
7584	4715.70	12217.78	256	980762.00	-50.53	-59.25
7587	4717.77	12224.93	8	980803.90	-35.08	-35.35
7588	4718.05	12226.02	111	980799.20	-30.51	-34.29
7589	4718.59	12225.24	422	980779.70	-21.57	-35.94
7592	4717.06	12222.55	438	980765.10	-32.36	-47.28
7593	4717.01	12223.82	286	980778.50	-33.18	-42.92

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12045/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L4599	4741.21	12045.43	2082	980641.49	-37.64	-108.56
L4601	4743.58	12053.55	5211	980472.28	83.90	-93.55
L4602	4743.14	12054.80	6079	980415.44	109.36	-97.69
L4603	4742.87	12050.70	3819	980546.83	28.58	-101.49
L4613	4736.53	12053.40	2663	980593.19	-24.26	-114.96
L4615	4736.50	12052.35	2516	980606.72	-24.51	-110.21
L4616	4735.96	12049.00	2469	980613.88	-20.96	-105.06
L4617	4735.81	12048.05	3272	980572.00	12.91	-98.53
L4618	4736.28	12048.88	2691	980601.33	-13.11	-104.77
L4619	4737.08	12049.40	3956	980535.59	38.92	-95.82
L4620	4737.08	12048.90	4117	980528.89	47.37	-92.85
L4623	4737.42	12047.73	6879	980347.87	125.64	-108.66
L4624	4737.48	12048.05	6302	980394.21	117.61	-97.03
L4628	4734.60	12047.75	2257	980616.31	-36.43	-113.30
L4629	4733.79	12046.95	2119	980624.76	-39.74	-111.92
L4654	4733.05	12046.00	1885	980636.60	-48.80	-113.00

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5107	4742.95	12108.65	2247	980616.47	-49.76	-126.25
L5108	4742.93	12111.09	2030	980631.11	-55.50	-124.64
UW20	4744.90	12107.40	3143	980569.44	-15.44	-122.49
10807	4740.87	12113.75	3660	980535.72	5.52	-119.14
10809	4743.10	12113.82	1372	980668.10	-80.66	-127.35

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5109	4742.58	12121.55	931	980706.91	-82.55	-114.26
L5111	4742.69	12120.64	977	980703.18	-82.11	-115.39
L5112	4742.80	12117.30	1188	980685.25	-80.36	-120.83
L5115	4743.09	12123.30	901	980709.82	-83.22	-113.91
L5116	4744.14	12125.37	849	980717.10	-82.41	-111.33
10800	4740.33	12123.56	1291	980670.78	-81.43	-125.40
10801	4739.08	12122.31	1445	980649.18	-86.67	-135.85
10803	4742.31	12127.46	1805	980657.79	-49.05	-110.53
10805	4740.61	12116.74	3235	980560.46	-9.32	-119.51
10806	4740.66	12115.19	3615	980538.97	4.86	-118.27
10808	4739.37	12117.53	1530	980653.27	-75.02	-127.13
9067	4731.01	12127.01	1428	980628.38	-96.94	-145.58
9073	4734.56	12126.61	1865	980612.34	-77.21	-140.73
9080	4734.35	12124.90	3147	980543.10	-25.55	-132.74
9081	4734.22	12124.15	3583	980520.54	-6.91	-128.94
9082	4734.50	12122.50	3070	980549.12	-27.00	-131.56
9083	4735.92	12123.12	3051	980556.54	-23.50	-127.42
9084	4735.13	12128.01	1720	980618.27	-85.78	-144.36
9089	4731.53	12121.01	4059	980482.16	3.53	-134.72
9090	4730.63	12120.90	2775	980550.24	-47.81	-142.33
9096	4733.52	12126.26	3671	980512.33	-5.79	-130.82

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10384	4743.45	12143.04	1437	980701.18	-41.99	-90.93
10603	4741.42	12142.95	1371	980698.38	-47.95	-94.64
10604	4741.96	12138.55	1784	980664.63	-43.66	-104.42
10605	4742.26	12140.70	1771	980666.93	-43.03	-103.35
10606	4739.02	12140.35	1730	980663.08	-45.87	-104.80
10607	4739.54	12134.88	1585	980663.31	-60.06	-114.05
10608	4736.62	12139.60	2246	980625.91	-30.90	-107.40
10609	4736.49	12141.55	2282	980631.08	-22.15	-99.87
10610	4734.32	12141.10	2176	980631.19	-28.75	-102.86
10611	4736.44	12143.65	1064	980710.13	-57.59	-93.83
10612	4734.53	12144.25	1003	980712.32	-58.27	-92.43
5500	4734.50	12144.30	1003	980713.70	-56.84	-91.00
5501	4738.60	12143.40	1225	980705.90	-49.92	-91.65
5502	4740.60	12144.70	1365	980702.60	-43.06	-89.55
5504	4743.30	12142.60	1483	980696.50	-42.12	-92.63
5505	4742.40	12136.90	1765	980667.20	-43.54	-103.66
5506	4739.80	12139.10	1596	980671.70	-51.03	-105.39
5507	4739.60	12139.90	1585	980669.90	-53.56	-107.55
9047	4732.87	12132.18	1030	980673.93	-91.62	-126.70
9048	4732.41	12133.38	972	980675.56	-94.76	-127.86
9049	4732.22	12134.60	960	980679.43	-91.73	-124.43
9050	4731.60	12135.83	910	980686.32	-88.61	-119.60
9051	4732.39	12136.58	2883	980607.53	16.99	-81.20
9052	4731.57	12137.75	1277	980665.19	-75.18	-118.67
9061	4732.70	12137.18	4150	980482.31	10.48	-130.87
9065	4733.35	12132.08	1084	980670.17	-91.02	-127.95
9066	4732.70	12131.35	1054	980665.96	-97.08	-132.98
9072	4733.98	12131.75	1225	980658.88	-90.00	-131.72
9074	4734.28	12132.98	2229	980606.57	-48.32	-124.24

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
B233	4732.19	12158.11	492	980752.60	-62.53	-79.25
B234	4731.37	12156.06	528	980759.68	-50.84	-68.82
B235	4730.90	12154.92	592	980752.01	-51.78	-71.94
B236	4730.52	12153.20	921	980726.78	-45.49	-76.86
B237	4730.69	12151.25	901	980716.78	-57.63	-88.32
B238	4730.32	12148.40	434	980749.21	-68.57	-83.35
B241	4731.51	12148.67	420	980746.49	-74.39	-88.70
B242	4732.40	12149.50	423	980747.63	-74.31	-88.72
B243	4733.32	12150.60	176	980759.25	-87.31	-93.30
B244	4734.32	12152.17	92	980768.79	-87.17	-90.30
B256	4733.24	12153.93	165	980763.35	-84.12	-89.74
B257	4735.00	12153.59	81	980769.53	-88.49	-91.25
B258	4736.05	12154.76	81	980767.72	-91.87	-94.63
B259	4737.07	12154.56	96	980768.20	-91.52	-94.79
B260	4738.30	12155.50	67	980770.74	-93.55	-95.83
B261	4739.32	12154.61	68	980774.22	-91.51	-93.83
B262	4740.32	12154.45	59	980779.04	-89.04	-91.05
B263	4741.67	12154.00	308	980767.00	-79.69	-90.18
B264	4742.20	12152.29	537	980756.10	-69.84	-88.13
B265	4734.71	12155.84	82	980770.45	-87.04	-89.83
B266	4735.29	12157.11	112	980762.38	-93.16	-96.97
B267	4736.10	12157.61	115	980760.37	-96.10	-100.02
B268	4737.36	12157.80	144	980757.41	-98.23	-103.13
B269	4737.97	12159.89	128	980751.76	-106.30	-110.66
B276	4743.55	12159.12	126	980769.85	-96.78	-101.07
B277	4742.02	12158.77	53	980769.72	-101.48	-103.28
L5166	4730.63	12146.09	429	980733.29	-85.42	-100.04
L5167	4731.42	12146.11	423	980735.66	-84.81	-99.21
L5168	4732.17	12145.20	461	980736.39	-81.63	-97.33
L5169	4732.28	12148.64	441	980743.08	-76.99	-92.01
L5170	4731.53	12148.68	420	980736.10	-84.81	-99.12
L5171	4730.81	12147.87	422	980743.08	-76.56	-90.94
L5172	4730.10	12147.47	438	980738.78	-78.29	-93.21
10385	4742.67	12145.44	1167	980718.70	-48.69	-88.44
10387	4743.96	12147.90	1087	980728.75	-48.11	-85.13
10388	4743.33	12147.31	1064	980728.92	-49.15	-85.39
10389	4743.32	12146.31	1176	980721.26	-46.26	-86.32
10390	4744.72	12155.60	232	980777.82	-80.60	-88.50
10393	4744.75	12154.42	281	980775.16	-78.69	-88.27
10397	4744.68	12150.78	578	980757.22	-68.59	-88.28
10399	4743.51	12158.08	323	980760.44	-87.60	-98.60
10400	4743.03	12156.83	476	980754.33	-78.60	-94.81
10401	4742.33	12154.77	392	980762.85	-76.93	-90.28
10402	4741.32	12155.63	303	980763.90	-82.73	-93.05
10403	4740.61	12157.12	64	980772.19	-95.86	-98.04
10404	4739.44	12159.08	587	980726.59	-90.50	-113.50
10405	4739.68	12157.88	118	980763.45	-98.12	-102.14
10406	4740.36	12151.70	230	980772.28	-79.78	-87.61
10407	4738.82	12153.37	123	980771.25	-88.56	-92.75

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (R=2.67)
10513	4736.90	12148.15	732	980736.44	-63.20	-88.13
10514	4734.73	12149.32	970	980715.05	-58.94	-91.98
10515	4735.62	12149.01	903	980721.27	-60.36	-91.12
10516	4737.83	12149.48	667	980739.30	-67.85	-90.57
10517	4738.17	12147.36	1025	980720.13	-53.86	-88.77
10600	4739.63	12145.39	1172	980714.53	-47.82	-87.74
10601	4740.31	12145.34	1178	980714.02	-48.75	-88.91
10602	4741.59	12145.31	1244	980713.03	-45.50	-87.87
5498	4734.40	12146.50	908	980720.60	-58.73	-89.65
5503	4742.70	12145.50	1182	980714.90	-51.13	-91.35
5510	4730.50	12153.30	921	980726.80	-45.44	-76.81
5512	4732.20	12158.10	489	980752.10	-63.33	-79.99
5513	4735.80	12157.60	111	980760.70	-95.70	-99.48
5514	4737.40	12157.80	144	980760.50	-95.20	-100.10
5515	4738.60	12157.60	240	980755.80	-92.67	-100.85
5516	4743.60	12159.10	136	980769.20	-96.57	-101.20
5517	4743.00	12153.60	336	980768.90	-77.15	-88.60
5518	4743.40	12151.40	589	980758.40	-64.46	-84.52
5519	4738.90	12154.50	83	980774.50	-89.19	-92.02
5520	4737.90	12150.50	593	980743.50	-70.72	-90.91
5521	4736.60	12151.90	421	980761.30	-67.14	-81.48
5522	4736.30	12154.80	81	980767.60	-92.37	-95.13

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1013	4736.04	12210.88	50	980741.64	-120.86	-122.56
A1014	4737.50	12211.05	122	980735.72	-122.20	-126.35
A1015	4738.41	12211.07	247	980728.72	-118.81	-127.22
A1016	4739.33	12211.07	397	980720.25	-114.55	-128.07
A1017	4740.95	12211.07	263	980735.20	-114.64	-123.60
A1018	4741.38	12212.25	275	980733.45	-115.91	-125.27
A1019	4742.24	12211.67	258	980739.08	-113.17	-121.95
A1020	4743.19	12212.11	234	980745.14	-110.79	-118.76
A1021	4743.91	12212.39	201	980750.25	-109.87	-116.71
A1022	4744.97	12212.72	50	980766.48	-109.43	-111.14
A989	4734.91	12209.98	82	980742.68	-115.11	-117.90
A994	4731.00	12212.35	104	980772.90	-76.94	-80.48
A995	4731.88	12211.94	33	980775.08	-82.76	-83.89
A996	4732.75	12210.61	420	980744.23	-78.52	-92.82
A997	4734.34	12211.03	28	980749.58	-112.43	-113.28
A998	4734.38	12213.38	334	980727.58	-105.71	-117.08
A999	4735.71	12213.52	0	980743.38	-123.32	-123.32
B226	4730.42	12201.31	179	980767.44	-74.47	-80.57
B227	4731.82	12202.57	168	980760.12	-84.93	-90.66
B228	4734.84	12208.58	325	980726.83	-108.00	-119.06
B229	4734.48	12206.47	47	980747.84	-112.59	-114.19
B230	4733.50	12205.02	100	980746.49	-107.48	-110.89
B231	4732.65	12203.92	82	980753.30	-101.09	-103.88
B232	4732.21	12200.35	297	980757.26	-76.25	-86.36
B245	4735.25	12204.95	98	980742.90	-113.89	-117.23
B246	4736.13	12204.66	44	980747.52	-115.67	-117.17
B247	4736.99	12203.15	345	980731.19	-104.99	-116.74
B248	4738.50	12204.75	49	980746.69	-119.60	-121.27
B249	4739.58	12205.58	136	980741.87	-117.86	-122.49
B250	4740.51	12204.67	65	980750.21	-117.59	-119.81
B251	4741.31	12205.37	69	980752.48	-116.15	-118.50
B252	4742.22	12205.91	188	980748.14	-110.66	-117.06
B253	4743.06	12205.20	122	980754.29	-111.98	-116.14
B254	4744.28	12204.73	206	980756.26	-103.94	-110.96
B270	4738.68	12201.40	180	980746.39	-107.84	-113.98
B273	4740.07	12208.50	293	980730.75	-114.94	-124.92
B274	4740.08	12209.75	463	980717.76	-111.96	-127.73
B275	4742.04	12201.43	555	980729.38	-94.63	-113.53
L5156	4732.26	12202.83	74	980757.06	-97.50	-100.02
L5157	4732.22	12202.14	101	980765.00	-86.96	-90.40
L5158	4730.40	12201.26	185	980763.27	-78.05	-84.35
2740	4734.45	12206.48	46	980747.75	-112.73	-114.30
2741	4737.18	12207.23	430	980717.35	-111.12	-125.76
2742	4737.34	12205.33	30	980746.61	-119.72	-120.74
2743	4736.72	12204.02	57	980747.76	-115.10	-117.04
2746	4735.20	12207.19	340	980724.99	-108.97	-120.55
2747	4733.77	12207.13	705	980703.70	-93.77	-117.79
2750	4737.45	12202.09	425	980728.92	-100.42	-114.90
2752	4735.49	12205.22	27	980747.04	-116.79	-117.71

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
2755	4737.01	12203.35	326	980731.85	-106.14	-117.25
2756	4736.13	12203.37	389	980727.86	-102.88	-116.13
2757	4735.62	12203.35	384	980727.89	-102.56	-115.64
2758	4733.93	12203.25	27	980752.24	-109.25	-110.17
2759	4732.79	12207.21	962	980658.25	-113.58	-146.34
2760	4732.29	12209.78	393	980751.34	-73.26	-86.64
2761	4732.76	12211.45	248	980753.64	-85.30	-93.75
2764	4731.12	12210.26	305	980758.90	-72.21	-82.60
2765	4730.16	12208.52	464	980749.52	-65.20	-81.00
2766	4730.18	12209.19	458	980750.30	-65.01	-80.61
2767	4730.81	12209.81	454	980750.79	-65.84	-81.31
2768	4730.27	12212.20	18	980783.36	-73.47	-74.09
2769	4733.56	12211.33	20	980753.55	-107.64	-108.32
2770	4736.06	12211.70	159	980733.90	-118.37	-123.79
2773	4734.94	12211.10	17	980746.44	-117.51	-118.09
2774	4736.71	12213.60	20	980741.90	-124.42	-125.11
2776	4736.93	12208.52	262	980726.77	-117.12	-126.05
2777	4736.11	12210.43	42	980740.91	-122.44	-123.87
2778	4735.56	12213.56	85	980740.14	-118.34	-121.24
2781	4733.17	12211.70	21	980761.67	-99.24	-99.95
2782	4734.66	12211.94	18	980748.58	-114.85	-115.46
2783	4734.76	12211.76	18	980745.19	-118.39	-119.00
2784	4732.26	12214.60	20	980772.87	-86.77	-87.45
2785	4731.48	12213.51	20	980775.69	-82.77	-83.45
2786	4733.63	12213.79	20	980755.59	-106.10	-106.79
2787	4732.77	12212.49	18	980765.52	-95.07	-95.68

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4730

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1000	4735.58	12215.02	2	980742.25	-124.07	-124.14
A1001	4735.40	12217.06	0	980742.06	-124.18	-124.18
A1002	4735.75	12218.45	159	980732.17	-119.64	-125.05
A1025	4744.05	12220.03	479	980744.95	-89.23	-105.54
A1027	4742.31	12221.25	367	980740.46	-101.64	-114.14
A1028	4741.43	12223.85	303	980744.19	-102.61	-112.93
A1029	4740.70	12224.30	4	980760.37	-113.45	-113.59
A1030	4739.82	12223.35	10	980753.99	-117.95	-118.29
A1031	4739.25	12222.33	106	980744.24	-117.81	-121.42
B280	4730.16	12215.50	274	980774.33	-58.26	-67.59
B286	4735.40	12222.82	6	980746.24	-119.43	-119.64
B287	4734.86	12224.34	10	980750.61	-113.87	-114.21
B288	4733.77	12224.30	22	980758.24	-103.48	-104.23
B289	4732.46	12223.71	48	980774.11	-83.19	-84.83
B290	4731.41	12223.50	25	980786.69	-71.20	-72.05
B291	4730.50	12222.81	375	980772.12	-51.48	-64.25
1647	4730.73	12229.47	10	980810.20	-48.08	-48.42
1692	4730.59	12228.52	0	980805.50	-53.51	-53.51
1693	4731.83	12229.05	2	980798.90	-61.78	-61.85
1694	4732.49	12228.75	2	980792.00	-69.67	-69.74

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12045/4745

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5092	4749.91	12046.41	1894	980670.79	-39.10	-103.61
L5093	4750.23	12047.92	1891	980663.79	-46.86	-111.27
L5095	4750.60	12048.98	1872	980667.14	-45.85	-109.61
L5096	4751.09	12049.86	1902	980664.45	-46.46	-111.24
L5097	4749.44	12048.60	1869	980668.85	-42.68	-106.34
L5098	4749.16	12047.01	1869	980671.17	-39.94	-103.60
L5099	4746.69	12049.38	2165	980644.67	-34.89	-108.63
L5100	4746.90	12050.49	2180	980642.82	-35.64	-109.90
L5101	4745.91	12047.47	2167	980646.77	-31.43	-105.24
L5102	4747.34	12051.52	2254	980637.65	-34.52	-111.29
L5103	4746.96	12054.19	2652	980620.39	-13.77	-104.10
L5104	4746.85	12055.47	2503	980626.41	-21.60	-106.85
L5105	4746.32	12058.14	2758	980607.33	-15.90	-109.83
L5106	4746.22	12059.90	2883	980597.01	-14.31	-112.50
10778	4750.47	12054.08	1995	980659.73	-41.50	-109.45
10779	4751.01	12056.51	2146	980650.43	-37.41	-110.50
10780	4751.53	12057.74	2348	980638.82	-30.80	-110.77
10781	4751.89	12058.94	2328	980635.37	-36.67	-115.96
10786	4749.32	12059.45	2975	980595.39	-11.93	-113.26
10792	4752.75	12052.07	1910	980667.02	-45.63	-110.68
10793	4755.40	12053.80	1930	980665.51	-49.23	-114.97
10794	4757.14	12056.36	2194	980643.16	-49.36	-124.09
10795	4758.44	12056.59	2389	980625.97	-50.16	-131.53

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4745

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (F=2.67)
UW21	4746.38	12104.67	3384	980560.84	-3.60	-118.85
10782	4752.58	12100.75	2260	980635.57	-43.90	-120.88
10783	4753.27	12103.30	2620	980614.91	-31.73	-120.97
10784	4755.10	12105.18	2995	980590.58	-23.54	-125.55
10787	4749.48	12101.91	3395	980568.91	0.85	-114.78
10788	4748.08	12103.37	4585	980500.38	46.36	-109.81
10789	4747.08	12101.51	3151	980584.73	-2.67	-110.00
10819	4754.55	12114.11	4858	980482.05	43.99	-121.47

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4745

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5117	4745.27	12129.51	793	980725.20	-81.28	-108.29
L5118	4747.21	12129.56	756	980728.86	-84.01	-109.76
UW43	4747.53	12117.76	1295	980685.85	-76.80	-120.91
10739	4751.79	12129.40	868	980721.19	-88.03	-117.55
10740	4753.83	12125.27	1156	980655.26	-89.93	-129.30
10741	4753.40	12122.00	1460	980671.15	-84.80	-134.53
10742	4747.52	12117.75	1295	980685.62	-77.02	-121.13
10743	4750.20	12118.33	1904	980654.00	-55.38	-120.23
10744	4752.72	12119.35	2589	980616.57	-32.16	-120.35
10745	4753.44	12119.46	1636	980664.29	-75.16	-130.89
10746	4748.74	12117.69	1444	980676.11	-74.35	-123.53
10747	4748.55	12116.02	1535	980667.28	-74.33	-126.61
10748	4746.55	12118.05	1248	980684.73	-80.87	-123.38
10759	4759.18	12123.61	2756	980611.22	-31.50	-125.37
10760	4759.58	12124.18	2629	980618.18	-37.09	-126.63
10761	4759.99	12125.25	2475	980630.34	-40.03	-124.33
10812	4757.06	12126.04	2173	980644.13	-50.25	-124.26
10813	4755.05	12126.29	1400	980680.18	-83.89	-131.57
10817	4754.07	12119.09	1724	980662.75	-69.37	-128.05
10818	4755.58	12116.69	2505	980623.31	-37.62	-122.94
10820	4754.93	12121.03	4724	980488.19	36.96	-123.54

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4745

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5119	4748.18	12132.00	671	980738.22	-84.10	-106.96
L5120	4748.75	12133.85	600	980746.16	-83.70	-104.13
10256	4750.99	12140.11	230	980773.88	-94.14	-101.98
10257	4750.62	12139.01	399	980768.57	-83.00	-96.55
10258	4751.65	12139.33	360	980769.02	-87.77	-100.03
10259	4751.64	12140.94	223	980778.10	-91.56	-99.15
10260	4751.43	12142.13	187	980781.05	-91.68	-98.05
10261	4751.98	12144.33	157	980787.95	-88.43	-93.77
10262	4752.75	12144.02	435	980776.35	-75.03	-89.85
10264	4755.62	12142.52	866	980753.74	-61.41	-90.91
10368	4755.40	12144.53	745	980764.60	-61.61	-86.58
10370	4756.95	12141.13	1670	980707.01	-34.52	-91.40
10371	4758.51	12140.97	1410	980724.74	-43.58	-91.61
10372	4758.78	12135.71	1412	980716.04	-52.50	-100.55
10373	4758.75	12134.45	1488	980708.38	-52.97	-103.65
10374	4757.07	12137.58	1497	980707.18	-50.80	-101.75
10376	4754.05	12140.40	1849	980689.95	-30.39	-93.36
10380	4749.27	12131.10	606	980738.91	-51.16	-111.80
10381	4749.15	12136.55	452	980753.15	-91.23	-106.62
10382	4747.44	12139.46	1687	980690.62	-35.03	-92.49
10383	4745.58	12140.00	1480	980697.81	-44.51	-94.92
10386	4745.98	12144.86	2530	980640.05	-4.11	-90.28
10410	4749.95	12144.60	1128	980731.90	-50.10	-88.52
10411	4748.56	12144.93	3590	980564.26	15.93	-106.35

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4745

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
B25	4751.96	12159.37	44	980794.69	-92.29	-93.78
B26	4751.57	12158.13	82	980791.99	-90.83	-93.62
B27	4751.42	12156.48	68	980792.91	-91.00	-93.31
B28	4751.36	12155.55	72	980793.58	-89.86	-92.31
B29	4751.28	12154.40	88	980792.66	-89.16	-92.15
B30	4751.33	12153.36	96	980792.36	-88.78	-92.05
B31	4751.07	12151.56	115	980792.83	-86.13	-90.05
B32	4751.49	12149.78	125	980794.51	-84.14	-88.40
B33	4751.17	12148.82	109	980798.31	-81.37	-85.08
B34	4751.88	12147.88	165	980791.16	-84.31	-89.93
B35	4752.09	12146.60	195	980788.40	-84.19	-90.97
B36	4752.41	12145.29	135	980788.84	-89.88	-94.61
B37	4750.48	12158.08	52	980794.79	-89.21	-90.98
B38	4749.79	12158.88	46	980796.01	-87.52	-89.09
B39	4748.81	12159.31	41	980797.19	-85.34	-86.73
B40	4748.60	12158.08	282	980783.79	-75.75	-85.36
B41	4747.74	12157.57	526	980766.42	-68.88	-86.80
B42	4746.95	12157.55	48	980794.70	-84.38	-86.01
B43	4745.92	12157.51	41	980790.25	-87.94	-89.33
B44	4745.39	12158.50	44	980786.98	-90.13	-91.63
10243	4752.89	12154.60	397	980780.28	-74.89	-88.41
10244	4754.05	12152.34	366	980790.60	-69.23	-81.69
10246	4754.51	12149.40	445	980782.36	-70.73	-85.88
10247	4755.84	12149.10	582	980778.64	-63.56	-83.38
10248	4756.61	12149.88	649	980777.21	-59.84	-81.95
10249	4752.42	12149.18	130	980793.63	-85.95	-90.38
10250	4751.87	12147.93	165	980791.35	-84.11	-89.73
10251	4753.77	12147.36	718	980763.53	-62.77	-87.22
10252	4755.55	12147.00	741	980766.42	-60.39	-85.62
10266	4753.75	12158.96	301	980789.52	-75.97	-86.22
10267	4756.80	12159.65	528	980777.64	-71.08	-89.06
10268	4755.92	12156.90	556	980778.69	-66.07	-85.01
10269	4758.93	12158.35	319	980793.55	-78.02	-88.85
10271	4759.53	12154.19	621	980782.93	-61.14	-82.25
10272	4758.72	12158.25	507	980792.97	-60.61	-77.87
10273	4759.17	12151.08	907	980773.38	-43.25	-74.14
10274	4759.17	12151.08	907	980767.57	-49.06	-79.95
10394	4746.27	12154.56	897	980743.83	-54.37	-84.92
10395	4745.73	12155.80	662	980753.57	-65.92	-88.47
10409	4749.75	12146.79	647	980766.99	-59.95	-81.99
9978	4748.97	12155.48	1607	980696.83	-38.64	-93.37
9979	4748.60	12155.36	1362	980714.65	-43.31	-89.70
9980	4748.55	12152.93	1094	980728.25	-54.84	-92.10
9981	4747.57	12153.70	961	980736.22	-57.91	-90.64
9982	4746.52	12151.02	571	980758.29	-70.95	-90.39
9983	4748.37	12148.17	722	980753.09	-64.72	-89.31
9984	4749.66	12149.84	391	980777.27	-73.61	-86.93
9985	4750.22	12150.77	106	980794.45	-84.08	-87.69
9986	4750.71	12154.28	72	980794.18	-88.29	-90.74

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4745

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9987	4752.16	12156.38	90	980792.76	-90.19	-93.26
9988	4753.31	12154.13	317	980787.23	-76.09	-86.89
9989	4755.32	12153.95	431	980787.70	-67.92	-82.60
9990	4757.09	12153.33	444	980793.40	-63.65	-78.78
9991	4757.91	12155.41	578	980783.84	-61.84	-81.53
9992	4757.75	12158.75	408	980787.91	-73.52	-87.42
9993	4755.00	12159.34	373	980786.37	-74.22	-86.93
9994	4754.70	12156.65	556	980775.32	-67.61	-86.59

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4745

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A650	4754.46	12205.85	18	980798.18	-95.00	-95.61
A651	4755.44	12204.87	81	980798.04	-90.68	-93.44
A652	4756.09	12204.53	56	980801.02	-91.03	-92.94
A653	4756.88	12204.63	85	980799.17	-91.34	-94.23
A654	4757.81	12204.03	81	980798.84	-93.44	-96.20
A655	4758.69	12203.30	102	980796.38	-95.24	-98.72
A656	4759.20	12202.20	128	980797.99	-91.95	-96.31
A662	4756.01	12206.08	158	980791.37	-90.96	-96.35
A663	4756.95	12207.12	195	980784.41	-95.86	-102.50
B20	4754.79	12203.95	60	980798.07	-91.65	-93.69
B21	4754.35	12202.55	52	980797.75	-92.06	-93.83
B22	4754.41	12201.02	254	980787.48	-83.42	-92.07
B23	4753.57	12200.36	104	980792.14	-91.61	-95.15
B24	4752.68	12200.67	136	980788.89	-90.51	-95.15
B45	4745.26	12201.11	295	980761.23	-92.07	-102.12
B46	4745.23	12202.37	377	980749.77	-95.78	-108.62
B47	4745.30	12203.14	292	980755.58	-98.07	-108.01
B48	4745.32	12204.80	269	980757.12	-98.72	-107.88
B49	4745.69	12205.91	251	980760.93	-97.16	-105.71
B56	4748.29	12208.55	256	980773.96	-87.56	-96.28
B57	4747.43	12208.55	152	980776.58	-93.43	-98.61
B58	4746.58	12209.15	133	980771.53	-98.99	-103.52
B59	4745.76	12207.82	432	980747.97	-93.20	-107.91
B60	4745.28	12209.09	73	980768.08	-106.14	-108.62
B61	4745.36	12210.50	46	980769.19	-107.69	-109.25
B62	4745.72	12211.73	82	980769.30	-104.73	-107.52
B63	4745.53	12213.31	224	980759.28	-101.11	-108.74
B64	4745.50	12214.93	31	980773.95	-104.55	-105.60
B69	4752.89	12207.62	36	980789.37	-99.76	-100.98
B70	4753.53	12208.57	25	980784.61	-106.51	-107.36
B71	4752.78	12209.75	440	980763.00	-87.96	-102.95
B72	4752.68	12211.03	395	980769.76	-85.28	-98.74
B73	4752.68	12212.33	456	980768.99	-80.31	-95.85
B74	4750.98	12212.96	284	980783.95	-78.98	-88.65
B75	4750.55	12214.72	514	980771.10	-69.55	-87.06
B83	4758.71	12209.74	5	980788.46	-112.32	-112.49
B84	4758.75	12211.22	25	980788.05	-110.91	-111.76
B85	4759.54	12210.94	96	980781.76	-111.70	-114.97
B86	4758.66	12213.12	13	980789.96	-109.99	-110.43
B87	4757.80	12212.80	229	980777.02	-101.32	-109.12
B88	4757.42	12213.81	311	980772.53	-97.53	-108.12
B89	4757.45	12214.77	127	980786.74	-100.67	-105.00

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4745

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A1023	4745.80	12219.72	420	980761.98	-80.38	-94.68
A1024	4745.37	12221.75	306	980771.40	-81.03	-91.46
A776	4759.56	12224.97	100	980819.44	-73.68	-77.08
A777	4759.55	12223.72	338	980799.43	-71.29	-82.80
A778	4758.86	12222.87	356	980797.35	-70.64	-82.76
B76	4751.00	12216.22	448	980779.20	-68.33	-83.59
B77	4747.45	12221.93	314	980789.05	-65.76	-76.45
B79	4749.55	12221.55	58	980810.04	-72.00	-73.98
B80	4749.25	12220.06	401	980782.21	-67.12	-80.77
B81	4750.36	12219.42	372	980784.57	-69.15	-81.82
B82	4751.02	12218.13	542	980781.97	-56.75	-75.21
B90	4757.22	12216.05	212	980785.27	-93.80	-101.02
B91	4756.77	12217.60	108	980797.01	-91.17	-94.85
B92	4756.11	12218.29	286	980784.73	-85.71	-95.46
B93	4755.12	12217.92	453	980772.68	-80.57	-96.00
B94	4753.94	12217.41	536	980766.86	-76.81	-95.07
B95	4752.95	12216.72	592	980766.12	-70.80	-90.96
5029	4746.86	12229.50	199	980804.30	-60.44	-67.22

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12045/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
W4644	4804.41	12050.97	2764	980601.23	-48.59	-142.73
W4645	4805.39	12051.96	3090	980577.10	-43.53	-148.77
W4646	4806.58	12053.19	3645	980548.61	-21.60	-145.75
W4647	4806.88	12054.35	4243	980516.33	1.92	-142.60
W4648	4807.12	12055.11	4289	980510.06	-0.39	-146.47
W4649	4807.51	12056.12	4504	980496.58	5.77	-147.63
W4650	4808.03	12056.70	4824	980478.77	17.28	-147.02
W4652	4808.52	12057.40	5656	980433.92	49.95	-142.69
W4653	4809.50	12057.91	5279	980452.20	31.30	-148.50
W4654	4810.47	12057.96	5402	980444.06	33.28	-150.71
W4655	4811.36	12058.26	4483	980498.93	0.37	-152.32
W4657	4811.77	12058.76	5549	980439.82	40.91	-148.08
W4658	4811.82	12057.71	5485	980438.83	33.83	-152.99
W4659	4812.01	12056.42	5983	980416.06	57.62	-146.16
W4660	4812.14	12055.49	6452	980388.45	73.93	-145.83
W4661	4811.84	12054.55	5604	980440.08	46.24	-144.63
W4662	4812.94	12051.28	3957	980526.04	-24.36	-159.14
W4664	4812.45	12048.45	3600	980566.50	-16.75	-139.36
W4665	4811.96	12046.44	3209	980576.99	-42.30	-151.60
W4666	4811.91	12045.23	3155	980577.53	-46.77	-154.22

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
UW49	4811.78	12102.89	2548	980586.14	-95.06	-181.84
UW50	4813.51	12109.93	1761	980665.54	-92.27	-152.25

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
UW69	4809.87	12126.12	1205	980730.53	-74.12	-115.16
UW70	4804.43	12123.82	1407	980696.15	-81.34	-129.26
10702	4810.18	12127.16	1154	980736.22	-73.69	-113.00
10705	4806.03	12123.10	1307	980711.94	-77.36	-121.87
10706	4801.89	12117.46	2323	980630.71	-56.81	-135.93
10707	4803.52	12117.19	2072	980647.32	-66.26	-136.83
10708	4805.32	12118.57	1897	980666.76	-65.98	-130.59
10709	4805.84	12121.24	1710	980677.99	-73.12	-131.36
10710	4808.53	12125.24	1154	980726.01	-81.43	-120.73
10717	4810.83	12125.57	1178	980729.49	-79.14	-119.26
10718	4810.66	12121.14	1668	980695.14	-67.15	-123.56
10719	4809.32	12115.58	2325	980649.68	-48.80	-127.59
10720	4812.86	12123.55	2827	980638.02	-18.55	-114.84
10762	4801.61	12126.57	2361	980647.01	-36.52	-116.53
10765	4803.58	12124.27	2211	980652.11	-48.48	-123.79
10766	4802.49	12123.12	2794	980618.53	-25.59	-120.75
10767	4801.33	12121.18	3161	980589.43	-18.43	-126.09
10768	4803.36	12124.88	1736	980679.38	-65.56	-124.69

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
UW68	4813.41	12133.56	877	980762.35	-78.46	-108.33
10286	4804.45	12142.13	1200	980740.95	-56.04	-96.91
10287	4804.19	12140.79	1238	980740.66	-52.37	-94.53
10288	4804.21	12138.55	1295	980733.09	-54.61	-98.71
10289	4804.32	12136.29	1414	980720.23	-56.44	-104.60
10290	4804.53	12134.61	1571	980714.82	-47.40	-100.90
10291	4805.09	12133.06	1573	980712.14	-50.73	-104.30
10292	4805.20	12132.34	1616	980710.97	-48.02	-103.06
10293	4804.19	12130.58	1718	980702.20	-45.68	-104.19
10625	4812.67	12130.35	2675	980657.78	-12.80	-103.91
10626	4813.56	12131.32	3152	980631.00	3.95	-103.41
10627	4814.80	12131.67	2315	980684.16	-23.48	-102.33
10712	4809.70	12135.86	1626	980712.93	-51.87	-107.25
10713	4807.26	12136.52	2762	980646.24	-8.05	-102.12
10714	4813.21	12134.34	622	980781.41	-83.09	-104.27
10771	4808.87	12144.59	1600	980722.77	-43.23	-97.72

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
JW26	4805.01	12158.54	391	980795.60	-78.33	-91.64
JW29	4806.20	12149.70	966	980761.44	-60.19	-93.09
10270	4800.95	12155.67	429	980791.67	-72.55	-87.20
10275	4801.76	12154.82	538	980787.22	-68.00	-86.33
10276	4802.15	12150.49	706	980772.56	-67.45	-91.49
10277	4801.77	12152.40	562	980785.58	-67.40	-86.54
10278	4803.38	12155.42	552	980789.56	-66.78	-85.58
10279	4805.05	12158.54	386	980795.55	-78.91	-92.05
10280	4806.72	12152.17	980	980763.83	-57.26	-90.64
10281	4806.20	12149.73	931	980762.25	-62.67	-94.38
10284	4805.82	12147.27	958	980757.08	-64.73	-97.36
10285	4805.11	12145.74	999	980752.72	-64.17	-98.19
10294	4807.36	12151.17	1219	980747.12	-52.45	-93.97
10295	4808.18	12150.61	1684	980723.76	-33.30	-90.66
10296	4806.59	12150.89	966	980762.37	-59.84	-92.74
10298	4806.97	12154.51	601	980791.60	-65.51	-85.98
10299	4808.92	12155.71	675	980787.27	-65.81	-88.80
10300	4806.59	12156.95	480	980796.19	-71.74	-88.08
10301	4804.66	12156.00	533	980791.29	-68.75	-86.91
10302	4802.82	12157.38	438	980787.57	-78.65	-93.57
10303	4802.40	12159.09	725	980770.12	-68.47	-93.17
10305	4806.99	12158.90	400	980799.88	-76.17	-89.79
10306	4814.70	12156.70	517	980810.36	-66.25	-83.86
10307	4813.60	12157.04	480	980810.64	-67.80	-84.19
10308	4813.15	12158.54	400	980819.33	-65.96	-79.58
10309	4813.16	12159.80	457	980816.55	-63.39	-78.96
10757	4814.71	12149.56	1044	980776.21	-50.85	-86.40
10772	4810.57	12148.66	2379	980685.21	-10.07	-91.09

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A613	4806.01	12210.44	68	980791.13	-114.68	-116.59
A615	4807.38	12210.52	94	980793.40	-112.02	-115.22
A616	4808.06	12210.52	104	980795.20	-110.30	-113.84
A617	4808.85	12210.52	117	980797.56	-107.90	-111.88
A618	4809.66	12210.88	127	980800.13	-105.60	-109.93
A619	4810.67	12211.50	60	980809.91	-103.64	-105.69
A620	4811.73	12212.50	48	980815.49	-100.78	-102.41
A621	4812.60	12212.52	117	980816.77	-94.31	-98.30
A622	4814.33	12214.17	267	980816.30	-83.27	-92.36
A623	4813.59	12214.17	178	980816.96	-89.87	-95.93
A624	4805.09	12210.22	56	980789.66	-115.90	-117.80
A625	4804.34	12210.48	43	980788.53	-117.12	-118.59
A626	4803.43	12210.75	24	980787.63	-118.45	-119.26
A627	4801.37	12210.98	2	980786.26	-118.79	-118.86
A628	4802.03	12210.88	5	980786.07	-119.69	-119.86
A629	4802.91	12212.82	78	980784.36	-115.86	-118.51
A630	4802.33	12213.91	138	980781.15	-112.55	-117.25
A657	4800.66	12202.67	188	980754.16	-92.33	-98.74
A658	4801.38	12202.48	302	980788.01	-88.84	-99.13
A659	4802.25	12201.88	375	980785.03	-86.26	-99.03
A660	4803.11	12200.88	237	980792.79	-92.77	-100.84
A661	4804.32	12200.67	278	980798.46	-85.06	-94.53
A666	4804.28	12208.33	64	980789.28	-114.31	-116.45
A667	4804.33	12206.71	363	980773.01	-102.53	-114.89
A668	4804.32	12205.10	367	980777.13	-98.02	-110.52
A669	4804.33	12203.81	395	980779.54	-92.99	-106.44
A670	4804.34	12201.85	294	980795.01	-87.03	-97.05
A671	4805.21	12200.99	295	980798.42	-84.84	-94.88
A672	4806.09	12201.27	300	980798.46	-85.65	-95.86
A673	4806.97	12201.89	415	980792.08	-82.53	-96.66
A674	4807.84	12201.67	223	980806.74	-87.23	-94.83
A675	4808.72	12201.55	193	980814.88	-83.24	-89.81
A676	4809.32	12203.25	211	980812.89	-84.43	-91.62
A677	4810.35	12204.11	205	980819.80	-79.63	-86.82
A678	4811.27	12204.43	98	980833.61	-77.27	-80.60
A679	4814.36	12212.31	60	980832.24	-86.85	-88.85
A680	4814.33	12211.22	135	980832.86	-79.13	-83.72
A681	4814.37	12209.46	200	980835.74	-70.19	-77.00
A682	4813.49	12208.51	137	980833.52	-77.02	-81.68
A683	4812.29	12207.63	84	980831.77	-81.95	-84.81
A684	4811.28	12207.00	197	980819.85	-81.73	-88.44
A685	4812.70	12205.87	191	980832.86	-71.41	-77.92
A686	4812.12	12204.41	297	980827.32	-66.11	-76.23
A687	4812.12	12202.77	305	980827.84	-64.84	-75.23
A688	4812.86	12201.38	287	980829.88	-65.60	-75.38
A689	4812.88	12200.44	328	980825.29	-66.37	-77.54
A571	4809.12	12212.30	120	980798.60	-106.98	-111.07
A572	4809.13	12214.25	243	980790.41	-103.62	-111.89
FA665	4805.10	12208.32	113	980787.68	-112.53	-116.38

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10001	4807.61	12211.59	95	980793.25	-112.42	-115.65
10002	4807.38	12212.84	94	980792.07	-113.35	-116.55
10003	4806.64	12210.69	80	980791.24	-114.38	-117.11
10004	4806.61	12211.60	80	980791.55	-114.03	-116.75
10005	4806.75	12212.92	204	980784.33	-109.80	-116.74
10006	4807.41	12214.94	559	980760.86	-100.87	-119.90
10020	4802.38	12214.90	115	980782.14	-113.80	-117.72
10021	4803.01	12213.92	228	980775.68	-110.58	-118.34
10022	4803.03	12212.67	36	980785.50	-118.85	-120.07
10023	4803.90	12212.31	37	980787.21	-118.35	-119.61
10024	4803.34	12211.18	20	980786.03	-120.25	-120.97
10025	4803.68	12210.58	31	980786.90	-118.89	-119.95
10026	4804.33	12210.51	41	980787.08	-118.75	-120.14
10027	4805.56	12212.29	72	980789.35	-115.41	-117.86
10028	4804.78	12212.29	58	980788.57	-116.33	-118.31
10029	4804.78	12211.60	49	980787.70	-118.05	-119.72
10030	4806.03	12211.19	64	980790.01	-116.20	-118.38
10042	4812.73	12214.61	39	980819.55	-99.07	-100.39
10057	4809.13	12213.58	150	980797.27	-105.51	-110.61
10058	4810.00	12214.52	145	980800.45	-104.10	-109.04
10059	4810.00	12213.56	128	980801.78	-104.37	-108.73
10060	4808.24	12212.89	185	980791.06	-107.09	-113.39
10061	4807.13	12209.68	90	980793.45	-111.97	-115.03
10062	4805.56	12209.70	68	980789.88	-115.25	-117.57
10063	4804.75	12209.69	61	980788.59	-115.99	-118.06
10064	4803.83	12209.02	53	980787.69	-116.26	-118.06
10065	4803.22	12208.38	108	980784.65	-113.21	-116.89
10066	4803.01	12207.13	379	980768.60	-103.45	-116.36
10067	4802.72	12205.82	358	980773.92	-99.67	-111.87
10068	4803.02	12205.21	337	980777.11	-98.91	-110.39
10069	4803.48	12203.84	337	980781.38	-95.33	-106.81
10070	4803.03	12203.85	296	980783.40	-96.49	-106.57
10071	4802.18	12203.85	294	980783.38	-95.42	-105.44
10072	4803.16	12201.83	239	980792.68	-92.77	-100.91
10073	4804.33	12200.65	278	980797.97	-85.56	-95.03
10074	4804.34	12201.84	292	980794.50	-87.73	-97.68
10075	4804.33	12203.83	396	980779.16	-93.28	-106.76
10076	4805.66	12203.83	404	980783.81	-89.87	-103.63
10077	4805.66	12204.48	425	980778.29	-93.41	-107.89
10078	4805.32	12204.48	428	980777.09	-93.82	-108.40
10079	4804.33	12204.48	397	980776.97	-95.37	-108.89
10080	4804.33	12205.82	376	980774.60	-99.72	-112.52
10081	4804.32	12208.34	70	980788.85	-114.23	-116.62
10082	4805.10	12207.75	102	980789.54	-111.70	-115.18
10083	4805.52	12208.33	78	980790.72	-113.41	-115.07
10084	4807.67	12208.40	126	980790.73	-112.11	-116.40
10085	4808.03	12208.41	122	980796.43	-107.33	-111.48
10086	4808.02	12209.26	105	980796.29	-109.05	-112.63
10087	4809.14	12209.64	121	980799.49	-106.03	-110.15
10088	4809.16	12210.91	121	980798.08	-107.47	-111.59

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10089	4810.03	12211.08	119	980802.25	-104.79	-108.85
10090	4810.00	12212.24	116	980801.76	-105.52	-109.47
10091	4809.14	12212.23	119	980798.25	-107.46	-111.51
10092	4807.40	12207.12	384	980779.61	-98.56	-111.64
10093	4804.81	12205.80	377	980775.16	-99.78	-112.62
10094	4805.49	12205.81	417	980774.56	-97.64	-111.84
10095	4806.08	12205.81	431	980775.90	-95.87	-110.55
10096	4806.87	12206.48	418	980777.45	-96.73	-110.96
10097	4806.93	12205.80	453	980777.96	-93.02	-108.44
10098	4806.94	12205.14	452	980780.25	-90.83	-106.23
10099	4807.42	12205.18	456	980782.61	-88.82	-104.35
10100	4807.81	12205.18	540	980779.59	-84.52	-102.91
10101	4808.25	12204.53	495	980784.84	-84.17	-101.02
10102	4808.46	12206.44	465	980784.30	-87.84	-103.68
10103	4809.12	12206.45	475	980787.13	-85.06	-101.24
10104	4809.12	12207.46	353	980791.64	-92.03	-104.05
10105	4809.62	12209.12	130	980802.16	-103.23	-107.66
10106	4810.87	12208.34	115	980816.19	-92.49	-96.41
10107	4811.70	12207.52	112	980826.09	-84.12	-87.93
10108	4811.29	12206.35	206	980821.81	-78.94	-85.95
10109	4810.43	12206.67	414	980798.30	-81.59	-95.69
10110	4810.51	12204.51	107	980823.54	-85.35	-89.00
10111	4809.60	12205.09	519	980789.93	-78.84	-96.52
10112	4809.12	12204.64	504	980788.63	-80.83	-98.00
10113	4808.08	12202.77	454	980791.34	-81.27	-96.73
10114	4808.08	12203.20	516	980786.99	-79.78	-97.36
10115	4807.42	12202.58	489	980787.99	-80.33	-96.99
10116	4806.97	12201.86	415	980791.68	-82.93	-97.06
10117	4806.09	12201.25	301	980797.97	-86.04	-96.29
10118	4805.21	12200.96	295	980797.92	-85.34	-95.38
10119	4807.36	12200.28	285	980805.62	-81.80	-91.51
10120	4808.54	12201.40	248	980811.80	-80.87	-89.32
10121	4809.79	12203.14	263	980814.63	-78.51	-87.46
10122	4810.91	12204.68	153	980825.76	-79.40	-84.62
10123	4811.32	12208.97	61	980821.40	-93.03	-95.11
10124	4811.30	12211.57	45	980813.19	-102.72	-104.25
10125	4810.89	12210.28	47	980811.99	-103.11	-104.72
10126	4810.61	12209.95	95	980807.54	-102.63	-105.87
10127	4811.31	12214.18	51	980811.91	-103.45	-105.19
10128	4811.30	12213.18	34	980813.13	-103.81	-104.97
10129	4812.13	12213.52	34	980817.47	-100.72	-101.87
10136	4814.37	12214.83	233	980817.11	-85.72	-93.65
10137	4813.49	12214.83	221	980811.73	-90.91	-98.43
10138	4812.61	12212.24	158	980814.45	-92.79	-98.17
10139	4813.49	12212.25	140	980821.16	-89.10	-93.86
10140	4813.49	12210.90	168	980825.91	-81.71	-87.43
10141	4813.49	12209.54	143	980830.02	-79.95	-84.82
10142	4813.07	12207.33	183	980831.63	-73.95	-80.18
10143	4813.33	12206.19	190	980837.94	-67.37	-73.84
10144	4813.63	12205.29	187	980840.41	-65.64	-72.00

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10145	4813.94	12204.41	192	980840.58	-65.46	-72.00
10146	4814.25	12203.51	195	980837.14	-69.08	-75.72
10147	4814.85	12203.44	98	980846.25	-70.00	-73.33
10148	4812.92	12201.96	345	980827.26	-62.86	-74.61
10149	4812.12	12202.10	257	980831.24	-65.96	-74.71
10150	4812.78	12202.76	319	980826.74	-65.61	-76.48
10151	4812.78	12204.39	300	980831.47	-62.67	-72.89
10152	4812.13	12204.43	297	980827.07	-66.38	-76.49
10153	4811.68	12203.72	281	980826.49	-67.79	-77.36
10154	4811.04	12203.12	284	980822.27	-70.77	-80.44
10155	4810.61	12203.05	193	980925.72	-75.23	-81.81
10156	4810.80	12202.18	335	980819.96	-67.92	-79.33
10157	4806.62	12214.55	530	980765.20	-58.07	-116.12
10160	4805.03	12214.38	220	980781.85	-108.19	-115.68
10161	4811.24	12201.50	521	980811.29	-59.75	-77.50
10162	4814.58	12207.94	255	980838.05	-63.02	-71.71
10163	4812.63	12210.52	334	980808.67	-82.05	-93.42
10164	4812.37	12208.91	59	980829.93	-86.27	-88.27

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A632	4803.23	12215.64	90	980787.58	-111.99	-115.05
A633	4803.95	12216.51	97	980789.66	-110.33	-113.63
A634	4804.10	12217.43	93	980790.85	-109.74	-112.91
A635	4804.97	12218.04	399	980770.50	-102.61	-116.20
A636	4805.62	12219.00	172	980788.81	-106.63	-112.49
A637	4806.58	12220.03	404	980773.91	-101.15	-114.91
A638	4807.28	12221.08	373	980777.98	-101.05	-113.75
A639	4808.28	12221.52	172	980791.84	-107.59	-113.45
A640	4809.38	12220.72	304	980786.97	-101.70	-112.05
A641	4810.02	12221.77	118	980802.58	-104.54	-108.56
A642	4810.85	12221.36	54	980810.57	-103.82	-105.66
A643	4811.34	12220.32	159	980805.75	-99.49	-104.91
A644	4812.48	12220.10	11	980820.41	-100.47	-100.84
A645	4814.60	12220.32	126	980822.12	-91.12	-95.41
A646	4813.94	12219.75	78	980822.31	-94.45	-97.11
A647	4813.47	12218.89	12	980824.63	-97.64	-98.34
A648	4814.35	12217.75	298	980809.68	-87.00	-97.15
A649	4814.35	12216.12	340	980808.16	-84.57	-96.15
A773	4800.41	12228.80	91	980832.64	-62.60	-65.70
A774	4800.48	12227.57	50	980831.08	-68.12	-69.83
A775	4800.25	12226.37	198	980816.13	-68.81	-75.55
A973	4809.29	12215.33	413	980779.01	-99.27	-113.33
A974	4808.56	12216.82	462	980774.14	-98.43	-114.17
A975	4809.35	12218.12	386	980781.85	-99.06	-112.20
B100	4814.43	12228.90	223	980821.35	-82.51	-90.10
B108	4808.32	12229.43	357	980801.03	-81.06	-93.22
B109	4808.31	12227.92	145	980810.61	-91.41	-96.34
B110	4807.25	12227.00	160	980806.79	-92.22	-97.67
B111	4806.52	12226.07	139	980805.78	-94.12	-98.85
B112	4805.92	12224.82	154	980801.60	-95.98	-101.23
B113	4805.66	12223.67	250	980792.09	-96.07	-104.59
B116	4809.88	12228.65	143	980813.93	-90.63	-95.50
B117	4812.36	12228.66	35	980827.52	-90.92	-92.11
B96	4814.48	12222.37	5	980829.71	-94.73	-94.90
B97	4814.48	12223.82	6	980830.38	-93.96	-94.17
B98	4814.41	12224.97	147	980821.54	-89.44	-94.44
B99	4814.58	12227.35	37	980832.41	-89.17	-90.43
10007	4807.88	12215.21	574	980763.60	-97.42	-116.97
10008	4806.96	12216.12	385	980773.24	-104.18	-117.29
10009	4807.41	12216.12	493	980767.29	-100.64	-117.43
10010	4807.41	12217.68	391	980773.47	-104.06	-117.37
10011	4807.42	12220.07	434	980771.68	-101.82	-116.60
10012	4807.30	12221.11	373	980776.80	-102.26	-114.96
10013	4806.59	12220.03	404	980772.76	-102.31	-116.07
10014	4805.62	12219.01	172	980787.42	-108.02	-113.88
10015	4804.98	12218.04	399	980769.25	-103.88	-117.47
10016	4804.11	12217.45	93	980789.46	-111.15	-114.31
10017	4804.17	12215.10	229	980777.52	-110.38	-118.18
10018	4803.95	12216.49	97	980788.15	-111.84	-115.14

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4800

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10019	4803.24	12215.62	90	980786.10	-113.48	-116.55
10031	4808.28	12221.55	183	980791.36	-107.04	-113.27
10032	4809.15	12221.58	172	980791.18	-109.56	-115.41
10033	4809.38	12220.72	303	980786.76	-102.00	-112.32
10034	4810.69	12221.44	54	980808.92	-105.23	-107.07
10035	4811.15	12220.16	193	980802.91	-98.85	-105.42
10036	4812.63	12221.20	5	980821.87	-99.79	-99.96
10037	4812.78	12220.05	11	980821.59	-99.74	-100.11
10038	4812.68	12219.21	18	980821.09	-99.43	-100.04
10039	4812.63	12218.53	19	980820.21	-100.14	-100.78
10040	4812.81	12217.45	21	980819.98	-100.45	-101.16
10041	4812.54	12216.23	26	980818.58	-100.97	-101.86
10043	4811.74	12216.20	202	980802.84	-98.96	-105.84
10044	4811.73	12217.71	224	980802.10	-97.62	-105.24
10045	4811.31	12217.88	340	980793.26	-94.91	-106.49
10046	4810.03	12221.34	182	980797.71	-103.41	-109.61
10047	4809.79	12220.07	237	980793.20	-102.38	-110.49
10048	4809.58	12218.91	363	980783.70	-99.72	-112.08
10049	4809.36	12218.11	386	980781.69	-99.23	-112.38
10050	4808.24	12218.08	382	980777.80	-101.82	-114.83
10051	4808.22	12217.04	420	980775.21	-100.80	-115.11
10052	4810.23	12218.09	378	980786.36	-96.62	-109.49
10053	4810.00	12217.08	458	980779.93	-95.18	-110.78
10054	4810.44	12215.81	187	980798.79	-102.47	-108.84
10055	4811.16	12215.78	208	980799.95	-100.42	-107.50
10056	4809.31	12215.36	418	980778.97	-98.87	-113.10
10130	4813.45	12216.11	22	980822.84	-98.46	-99.20
10131	4813.46	12216.78	43	980820.46	-98.88	-100.34
10132	4813.88	12217.75	24	980823.40	-98.35	-99.17
10133	4814.51	12222.12	6	980829.23	-95.16	-95.36
10134	4814.81	12219.78	191	980818.32	-89.12	-95.62
10135	4814.38	12216.10	340	980807.24	-85.54	-97.12
10158	4806.81	12217.40	391	980774.60	-102.03	-115.34
10159	4804.99	12216.19	133	980787.99	-110.17	-114.70

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12045/4815

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L4828	4827.81	12046.91	3060	980593.34	-63.73	-167.95
L4830	4827.77	12048.95	3118	980592.88	-58.67	-164.87
L4831	4826.03	12052.25	2175	980647.64	-90.00	-164.08
L4832	4825.84	12055.12	2295	980644.29	-81.78	-159.95
L4833	4827.15	12059.47	2760	980609.02	-75.28	-169.28
L4986	4823.55	12050.65	1860	980660.95	-102.61	-165.96
L4987	4822.80	12048.41	1460	980674.70	-125.36	-175.08
L4988	4822.29	12045.60	1320	980677.93	-134.53	-179.45

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4815

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L4835	4828.07	12103.48	5392	980480.15	42.04	-141.61
L4836	4829.27	12105.05	2645	980612.64	-85.65	-175.74
L4838	4827.86	12109.80	1360	980713.23	-103.81	-150.14
W4688	4826.70	12108.03	1760	980672.59	-105.09	-165.04
W4689	4822.28	12104.57	5200	980488.03	40.54	-136.57
W4692	4821.10	12102.65	7054	980362.94	91.60	-148.65
W4693	4820.69	12103.00	6909	980371.32	86.96	-148.36
W4694	4821.43	12103.87	6427	980405.46	74.65	-144.25
W4695	4822.23	12104.36	5294	980482.18	43.61	-136.71
W4697	4821.88	12103.89	6040	980432.14	64.26	-141.46
W4699	4822.31	12105.22	4940	980503.59	31.60	-136.66
10725	4815.42	12112.44	1504	980689.09	-95.76	-146.99

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4815

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
U651	4815.29	12116.25	1247	980711.96	-56.87	-139.34
U652	4817.09	12124.29	845	980758.45	-50.89	-119.67
U653	4820.70	12126.47	836	980777.25	-78.35	-106.82
10689	4825.41	12129.75	4178	980602.85	54.54	-87.76
10721	4815.31	12123.59	1782	980703.53	-55.01	-115.70
10722	4818.15	12124.57	783	980771.73	-85.03	-111.70
10723	4816.01	12119.59	1067	980733.56	-93.28	-129.62
10724	4815.26	12116.26	1247	980713.17	-95.62	-138.09
10727	4820.39	12123.81	1869	980701.34	-56.63	-123.29
10728	4819.22	12121.22	3055	980631.85	-12.81	-116.87
10729	4821.93	12125.13	2643	980673.09	-14.39	-104.41
10730	4820.71	12126.49	836	980778.01	-77.61	-106.08
10733	4824.72	12123.37	2220	980689.27	-42.18	-117.79
10734	4825.92	12121.04	3110	980631.31	-18.22	-124.15

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4815

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5061	4828.42	12137.86	226	980855.12	-69.43	-77.12
L5062	4829.53	12134.17	274	980834.51	-87.18	-96.52
L5063	4829.69	12132.38	251	980838.75	-85.35	-93.90
UW48	4816.43	12138.24	524	980807.07	-71.48	-89.32
UW67	4819.37	12133.18	407	980808.98	-84.98	-98.84
10621	4816.12	12143.64	463	980798.14	-85.68	-101.45
10622	4816.86	12142.03	419	980802.34	-86.73	-101.00
10623	4816.36	12139.87	519	980799.68	-79.23	-96.91
10624	4815.73	12135.45	540	980792.03	-83.96	-102.35
10628	4815.82	12133.27	1264	980747.45	-60.58	-103.63
10631	4817.66	12140.59	963	980781.27	-57.83	-90.63
10632	4818.44	12138.86	1639	980744.43	-32.25	-88.08
10633	4819.70	12140.24	2443	980698.05	-4.90	-88.11
10634	4818.79	12137.58	3042	980661.14	15.90	-87.71
10635	4819.67	12142.51	3282	980652.67	28.68	-83.10
10636	4820.28	12143.23	3431	980651.32	40.43	-76.42
10637	4821.62	12144.48	2915	980688.83	27.40	-71.88
10646	4828.36	12138.43	237	980842.31	-81.11	-89.18
10647	4826.07	12134.60	274	980835.32	-81.19	-90.52
10648	4827.06	12136.31	280	980839.70	-77.73	-87.27
10649	4824.38	12133.47	315	980826.74	-83.38	-94.11
10650	4821.53	12132.32	382	980817.56	-81.59	-94.60
10651	4819.56	12133.08	393	980810.97	-84.59	-97.98
10652	4817.40	12134.01	465	980797.75	-87.80	-103.64
10656	4817.66	12140.58	960	980781.21	-58.17	-90.87
10657	4818.44	12138.86	1639	980744.40	-32.28	-88.11
10658	4819.70	12140.24	2443	980697.98	-4.97	-88.18
10659	4818.79	12137.58	3038	980661.09	15.47	-88.00
10660	4820.28	12143.23	3431	980651.31	40.42	-76.43
10661	4821.62	12144.48	2915	980688.84	27.41	-71.87
10668	4828.36	12138.43	237	980842.24	-81.18	-89.25
10669	4827.06	12136.31	280	980839.70	-77.73	-87.27
10670	4826.07	12134.60	274	980835.34	-81.17	-90.50
10671	4824.38	12133.47	315	980826.74	-83.38	-94.11
10672	4821.53	12132.32	382	980811.98	-87.57	-100.58
10673	4816.56	12133.08	393	980810.96	-80.10	-93.45
10674	4817.40	12134.01	465	980797.75	-87.80	-103.64
10678	4817.44	12137.56	1050	980774.72	-55.86	-91.63
10679	4819.11	12136.12	3824	980595.63	23.46	-106.78
10680	4820.07	12136.62	2482	980692.79	-7.04	-91.58
10681	4821.94	12135.01	1610	980751.28	-33.38	-88.21
10682	4825.14	12138.56	2980	980669.33	8.74	-92.76
10683	4823.08	12136.26	1945	980732.78	-22.08	-88.32
10684	4821.53	12132.32	382	980811.98	-87.57	-100.58
10685	4827.97	12135.16	240	980838.04	-84.52	-92.69
10686	4828.79	12132.11	246	980837.00	-86.22	-94.60
10687	4825.94	12132.32	1502	980770.98	-29.83	-80.99
10688	4827.06	12130.25	3163	980661.91	15.66	-92.08
10690	4825.94	12132.32	1502	980770.98	-29.83	-80.99

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4815

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
10693	4827.82	12141.39	750	980811.59	-62.77	-88.32
10694	4826.96	12143.54	975	980794.01	-57.90	-91.11
10753	4818.45	12131.32	505	980798.41	-84.95	-102.15

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4815

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
UW31	4816.22	12158.16	161	980795.57	-116.80	-122.29
10616	4816.42	12159.24	135	980833.22	-81.90	-86.50
10617	4816.12	12157.32	167	980829.32	-82.34	-88.03
10618	4815.88	12154.59	206	980825.56	-82.07	-89.09
10619	4817.37	12156.86	643	980807.10	-61.66	-83.56
10620	4818.79	12158.79	995	980798.85	-38.93	-72.82
10638	4822.31	12147.61	2490	980721.43	18.99	-65.82
10639	4819.74	12147.40	2620	980695.26	8.90	-80.34
10640	4821.21	12147.30	2665	980699.51	15.18	-75.59
10641	4823.92	12151.20	2025	980762.47	13.88	-55.09
10642	4825.12	12153.15	2485	980739.30	32.18	-52.46
10643	4829.54	12155.83	2950	980715.25	45.24	-55.23
10644	4827.36	12157.57	3079	980705.24	50.63	-54.24
10645	4829.92	12158.28	1847	980775.60	1.28	-61.63
10662	4822.31	12147.61	2490	980721.43	18.99	-65.82
10666	4827.36	12157.57	3079	980705.17	50.56	-54.31
10667	4829.92	12158.28	1847	980775.55	1.23	-61.68
10695	4825.69	12145.66	1452	980781.82	-23.32	-72.77
10696	4824.23	12147.46	1700	980777.24	-2.38	-60.29
10697	4823.17	12152.70	1543	980783.51	-7.79	-60.35
10698	4823.90	12157.11	1602	980777.58	-10.77	-65.33
10699	4821.78	12157.44	1341	980788.22	-21.50	-67.17
10700	4816.66	12147.96	306	980811.50	-87.90	-98.32
10752	4815.90	12145.86	510	980802.63	-76.44	-93.81
10756	4815.04	12148.91	948	980782.17	-54.41	-86.70

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4815

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A716	4816.12	12210.16	189	980836.82	-72.77	-79.21
A717	4817.49	12211.60	271	980835.31	-68.62	-77.85
A718	4818.53	12212.58	231	980840.85	-68.40	-76.27
A719	4819.53	12213.50	292	980841.13	-63.85	-73.83
A720	4820.88	12212.11	141	980851.25	-69.99	-74.79
A721	4822.45	12212.75	152	980857.69	-64.87	-70.05
A722	4823.80	12214.10	105	980859.77	-69.24	-72.81
A724	4826.78	12214.52	54	980880.44	-57.83	-59.67

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4815

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A690	4820.48	12220.03	7	980857.88	-75.37	-75.61
A691	4821.57	12220.02	6	980857.69	-77.28	-77.49
A692	4822.22	12220.32	8	980860.48	-75.28	-75.55
A693	4823.10	12222.07	6	980866.30	-70.97	-71.17
A694	4823.95	12222.05	16	980870.75	-66.85	-67.40
A695	4824.75	12222.03	22	980871.65	-66.55	-67.30
A696	4825.72	12222.10	32	980873.63	-65.12	-66.21
A697	4826.39	12222.65	24	980877.94	-62.57	-63.38
A698	4826.56	12225.23	12	980882.19	-59.70	-60.11
A699	4826.79	12226.56	10	980888.06	-54.36	-54.70
A700	4826.82	12227.81	4	980896.63	-46.40	-46.54
A701	4826.14	12228.20	4	980895.87	-46.14	-46.28
A702	4825.27	12228.18	4	980890.24	-50.47	-50.60
A703	4824.01	12228.72	3	980882.34	-56.57	-56.68
A704	4823.65	12226.66	5	980879.45	-58.74	-58.91
A705	4822.78	12225.92	54	980868.85	-63.42	-65.28
A706	4821.81	12224.85	15	980869.42	-65.07	-65.58
A707	4820.81	12225.27	6	980862.23	-71.61	-71.81
A708	4820.49	12224.38	4	980865.97	-67.57	-67.71
A709	4820.49	12222.95	6	980865.16	-68.20	-68.40
A710	4820.48	12221.67	5	980858.68	-74.75	-74.93
A711	4819.35	12220.55	4	980853.01	-78.83	-78.96
A712	4818.51	12220.82	7	980852.48	-77.81	-78.05
A713	4817.65	12221.22	8	980847.28	-81.63	-81.90
A714	4816.56	12221.70	9	980840.37	-86.81	-87.12
A715	4815.71	12222.09	5	980835.41	-90.87	-91.04
A723	4825.81	12215.80	104	980875.71	-56.40	-59.94
A726	4827.03	12229.09	3	980904.43	-39.01	-39.11
A780	4827.70	12222.06	27	980875.57	-66.62	-67.54
A781	4828.93	12222.03	27	980881.58	-62.45	-63.37
A794	4826.49	12222.02	30	980874.86	-65.23	-66.25
A967	4820.21	12217.65	262	980842.46	-66.40	-75.32
A968	4819.66	12215.51	298	980836.49	-68.16	-78.31
A969	4817.43	12217.43	336	980825.75	-71.98	-83.42
B101	4815.25	12229.84	10	980838.83	-86.29	-86.63

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12045/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L4805	4843.90	12045.20	3644	980586.47	-39.76	-163.87
L4806	4844.79	12046.47	3481	980601.95	-40.94	-159.51
L4996	4842.53	12058.49	1648	980705.30	-106.62	-162.75
L4997	4842.40	12057.27	1783	980696.00	-103.03	-163.76
L4999	4842.35	12056.22	1809	980690.09	-106.42	-168.03
L5000	4842.50	12054.93	1901	980686.73	-101.35	-166.10
L5001	4842.66	12053.61	2592	980653.48	-69.85	-158.13
L5002	4842.89	12052.26	2544	980654.80	-73.38	-160.03
L5003	4843.46	12050.50	2837	980641.86	-59.62	-156.25
L5004	4843.67	12049.95	2670	980642.66	-74.84	-165.78
L5005	4844.26	12049.62	2855	980634.24	-66.74	-163.98
L5008	4844.96	12048.78	2722	980636.41	-78.13	-170.84
L5011	4842.75	12059.33	1922	980694.96	-91.52	-156.98
W4762	4833.70	12046.14	4055	980555.27	-17.03	-155.14
W4763	4835.67	12048.31	3665	980576.22	-35.71	-160.54
W4764	4837.11	12049.86	3432	980589.61	-46.40	-163.29
W4766	4838.07	12050.81	3214	980601.20	-56.75	-166.22
W4767	4839.67	12051.78	2785	980634.14	-66.56	-161.41
W4768	4842.02	12054.22	2042	980672.66	-101.44	-170.99
10315	4836.20	12048.60	3660	980578.91	-34.29	-158.95
10322	4831.80	12059.50	4290	980532.24	-15.11	-161.23

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5012	4843.71	12101.47	1776	980713.72	-87.93	-148.42
L5013	4843.77	12101.96	1776	980714.32	-87.42	-147.91
L5014	4843.94	12103.01	1804	980716.20	-83.16	-144.60
L5015	4843.93	12103.83	1603	980726.08	-92.17	-146.77
L5016	4843.04	12108.95	891	980763.38	-120.51	-150.86
L5137	4840.53	12114.45	526	980782.99	-131.47	-149.39
L5138	4842.05	12112.50	1096	980757.38	-105.75	-143.08
L5139	4842.93	12109.27	895	980761.31	-122.04	-152.52
L5140	4842.45	12110.16	877	980753.30	-131.02	-160.85
L5188	4840.71	12104.57	1220	980731.58	-117.88	-159.43
L5189	4839.46	12103.67	1524	980713.96	-105.03	-156.94
L5190	4838.65	12103.18	1696	980704.85	-96.75	-154.52
L5191	4837.27	12103.26	1829	980695.44	-91.58	-153.88
W4707	4844.39	12103.09	1603	980729.11	-89.83	-144.43

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A815	4830.57	12128.90	293	980833.51	-87.96	-97.94
A816	4831.51	12127.92	309	980833.10	-88.27	-98.79
A817	4831.62	12125.79	326	980822.21	-97.72	-108.83
A818	4831.82	12123.69	409	980810.62	-101.81	-115.74
A819	4832.12	12117.89	1264	980746.04	-86.42	-129.47
A820	4831.51	12120.68	701	980784.36	-100.14	-124.01
L5065	4830.57	12128.90	293	980832.79	-88.68	-98.66
L5066	4830.54	12127.55	311	980831.75	-87.98	-98.57
L5067	4832.41	12126.59	344	980832.43	-86.99	-98.71
L5068	4831.62	12125.79	327	980821.83	-98.01	-109.15
L5132	4833.82	12125.18	371	980822.38	-96.62	-109.25
L5133	4835.26	12123.65	363	980809.84	-112.07	-124.43
L5134	4836.41	12121.61	368	980809.99	-113.17	-125.70
L5135	4838.28	12118.88	431	980793.16	-126.87	-141.55
L5136	4840.35	12116.21	482	980793.65	-124.68	-141.10
L5143	4831.82	12123.69	409	980810.45	-101.98	-115.91
L5145	4831.51	12120.68	701	980784.52	-99.98	-123.85
L5146	4832.10	12117.89	1264	980746.14	-86.29	-129.34
L5147	4831.63	12115.89	1242	980743.51	-89.88	-132.18
L5148	4831.02	12115.20	1354	980737.69	-84.65	-130.77
L5180	4837.67	12124.95	654	980804.38	-93.76	-116.04
L5181	4838.08	12125.20	729	980798.96	-92.74	-117.57
L5182	4839.08	12125.41	791	980793.67	-93.70	-120.64
L5183	4839.69	12125.74	873	980790.98	-89.59	-119.32
L5184	4836.11	12123.60	400	980816.91	-102.79	-116.41
L5185	4836.58	12123.58	461	980814.27	-100.39	-116.10
L5186	4837.09	12124.34	536	980809.18	-99.19	-117.45
L5194	4841.61	12116.28	780	980769.04	-123.15	-149.72
L5195	4842.05	12116.68	976	980761.02	-113.39	-146.64
L5196	4842.73	12117.19	986	980759.57	-114.92	-148.50
L5197	4843.13	12117.50	1201	980749.17	-105.70	-146.60
L5198	4843.76	12117.65	1726	980723.51	-82.92	-141.70

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A811	4832.28	12144.79	215	980852.82	-78.54	-85.87
A812	4831.38	12142.72	202	980846.10	-85.14	-92.02
A813	4830.82	12140.13	221	980846.29	-82.32	-89.85
A814	4830.08	12139.33	219	980841.27	-86.42	-93.88
A821	4830.25	12130.30	291	980835.50	-85.67	-95.59
L5057	4832.25	12144.80	216	980852.33	-78.89	-86.25
L5058	4831.57	12142.89	202	980845.94	-85.58	-92.46
L5059	4830.81	12140.78	215	980847.40	-81.76	-89.08
L5060	4830.05	12139.33	219	980840.41	-87.24	-94.70
L5064	4830.14	12131.17	256	980836.51	-87.79	-96.51
L5151	4832.45	12143.58	677	980826.22	-61.94	-85.00
L5152	4832.61	12142.64	1059	980805.57	-46.90	-82.97
L5153	4833.52	12143.37	580	980834.22	-64.67	-84.42
W4736	4838.58	12143.73	1097	980814.89	-42.95	-80.31
W4737	4842.97	12141.62	1056	980819.64	-48.63	-84.59
10826	4839.68	12142.78	856	980827.02	-55.13	-84.29
10833	4833.76	12139.53	4751	980570.48	63.56	-98.26
10834	4831.83	12138.69	3149	980673.47	18.75	-88.50
9592	4844.00	12139.74	760	980832.19	-65.46	-91.34
9593	4843.00	12141.68	1058	980812.11	-56.01	-92.05
9594	4841.48	12142.19	998	980822.45	-49.04	-83.03
9595	4840.53	12142.68	1002	980820.20	-49.49	-83.62
9596	4839.68	12142.78	856	980825.98	-56.17	-85.33
9597	4838.63	12143.70	1107	980813.07	-43.90	-81.61
9598	4839.14	12141.12	1214	980808.48	-39.19	-80.54
9599	4840.17	12140.61	746	980831.71	-61.52	-86.93
9600	4841.38	12143.75	1772	980775.49	-23.05	-83.40
9601	4842.63	12143.60	3033	980695.77	13.97	-89.33
9603	4844.58	12141.33	1175	980809.33	-50.15	-90.17
9604	4843.88	12141.91	1895	980770.08	-20.63	-85.17
9605	4844.56	12142.65	2508	980700.30	-33.77	-119.15
9608	4839.90	12143.88	1396	980796.30	-35.39	-82.94
9609	4840.45	12144.39	1619	980780.90	-30.64	-85.78
9611	4841.41	12144.64	2105	980756.66	-10.60	-82.30
9640	4838.92	12136.95	1532	980778.21	-39.22	-91.40
9641	4841.28	12137.73	3684	980647.80	29.25	-96.22
9642	4840.14	12135.73	900	980811.48	-67.22	-97.88
9673	4844.73	12135.73	900	980811.48	-74.09	-104.75

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A805	4831.53	12159.23	95	980862.14	-79.39	-82.62
A806	4831.45	12158.02	104	980860.72	-79.84	-83.38
A807	4831.62	12155.42	141	980852.96	-84.38	-89.18
A808	4832.11	12152.50	200	980849.08	-83.44	-90.25
A809	4832.52	12150.32	207	980855.18	-77.30	-84.35
A810	4832.55	12147.58	239	980847.04	-82.47	-90.61
L5050	4831.53	12159.24	96	980861.22	-80.21	-83.48
L5051	4831.48	12158.07	104	980860.02	-80.59	-84.13
L5052	4831.65	12155.42	141	980852.41	-84.97	-89.77
L5053	4832.09	12152.53	203	980848.29	-83.92	-90.83
L5054	4832.51	12150.36	209	980854.42	-77.85	-84.97
L5055	4832.55	12148.00	239	980846.53	-82.98	-91.12
L5056	4831.84	12145.51	257	980847.16	-79.59	-88.35
W4735	4834.89	12146.45	938	980815.31	-51.96	-83.51
W4746	4843.05	12150.08	4487	980559.04	53.37	-59.45
W4747	4843.54	12150.72	4962	980578.29	76.57	-92.44
W4748	4842.50	12153.34	3964	980644.83	50.79	-84.22
W4750	4842.49	12154.84	3389	980680.56	32.46	-82.97
W4751	4840.95	12153.97	2122	980751.21	-13.76	-86.04
10829	4844.27	12148.81	6050	980431.48	31.00	-175.06
2514	4838.30	12159.39	3103	980693.80	25.07	-80.62
2559	4831.50	12159.24	96	980861.70	-79.69	-82.96
2566	4836.50	12159.90	1182	980797.40	-49.33	-89.59
2568	4837.80	12158.58	2249	980742.50	-5.81	-82.41
2574	4838.30	12159.39	3103	980693.80	25.07	-80.62
2576	4838.70	12159.01	2305	980739.60	-4.79	-83.30
2577	4839.90	12159.56	2854	980713.00	18.45	-78.76
2580	4839.50	12159.03	3456	980681.10	43.77	-73.94
2582	4839.90	12159.20	3686	980671.90	55.61	-69.94
2583	4839.80	12159.65	4070	980653.70	73.68	-64.99
2584	4839.80	12158.35	4381	980636.60	85.83	-63.39
2585	4839.80	12158.09	4696	980615.80	94.66	-65.29
2587	4839.90	12157.97	4793	980616.50	104.33	-58.92
2588	4840.20	12157.74	5506	980566.40	120.85	-66.69
2593	4839.00	12158.27	3507	980679.50	47.72	-71.73
2594	4840.40	12159.95	2700	980720.40	10.62	-81.35
2731	4844.73	12156.85	1865	980766.43	-28.37	-91.90
2732	4844.15	12155.88	2058	980754.37	-21.41	-91.51
2733	4842.49	12154.85	3389	980678.44	30.34	-85.09
9610	4840.84	12145.46	1827	980767.18	-25.38	-87.60
9612	4842.02	12146.07	2670	980720.23	5.20	-85.74
9613	4842.36	12148.52	3275	980677.30	18.67	-92.88
9614	4841.72	12147.70	2900	980692.80	-0.15	-98.92
9615	4841.50	12146.02	2900	980711.86	19.24	-79.53
9616	4840.70	12146.79	2190	980747.08	-11.12	-85.71
9617	4841.04	12148.42	2775	980704.39	0.70	-93.81
9618	4841.11	12149.69	3250	980685.64	26.53	-84.17
9630	4839.89	12147.78	2854	980702.61	8.07	-89.13
9631	4839.95	12148.88	2648	980712.98	-1.02	-91.21

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9632	4840.23	12149.51	3164	980683.23	17.34	-90.42
9633	4840.16	12152.58	2221	980733.64	-20.84	-96.49
9634	4839.23	12152.83	2376	980732.01	-6.50	-87.42
9635	4841.92	12152.68	2645	980713.49	-3.74	-93.83
9636	4840.95	12153.53	2122	980749.80	-15.17	-87.45
9637	4839.40	12151.63	2176	980740.01	-17.56	-91.68
9638	4840.06	12146.68	3468	980664.58	27.54	-90.58
9639	4839.31	12146.96	3824	980641.38	38.95	-91.29
9678	4842.39	12149.29	3500	980667.28	29.77	-89.44
9683	4838.38	12148.29	5210	980533.13	62.46	-114.99

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5042	4830.39	12214.26	55	980870.16	-73.42	-75.30
L5043	4831.14	12212.15	66	980872.96	-70.71	-72.96
L5045	4831.39	12210.27	73	980870.46	-72.93	-75.41
L5046	4831.38	12208.34	75	980874.43	-68.38	-71.07
L5047	4831.42	12205.24	71	980882.19	-61.43	-63.85
L5048	4831.55	12203.76	87	980873.56	-68.75	-71.71
L5049	4831.58	12201.63	86	980866.11	-76.34	-79.27
2553	4831.60	12203.56	87	980874.00	-68.39	-71.35
2554	4832.80	12204.58	604	980839.00	-56.55	-77.13
2557	4830.30	12214.16	54	980870.20	-73.34	-75.18
2561	4834.50	12203.51	663	980831.60	-60.95	-83.53
2562	4835.60	12204.59	875	980821.30	-52.96	-82.76
2563	4836.20	12205.72	882	980821.10	-53.40	-83.44
2564	4836.50	12204.83	517	980840.40	-68.88	-86.49
2565	4836.00	12200.99	775	980821.00	-63.26	-89.66
2570	4837.70	12202.69	3375	980675.00	32.75	-82.20
2571	4839.00	12200.20	3445	980679.40	42.16	-75.31
2572	4838.00	12202.31	3050	980696.30	23.03	-80.85
2573	4838.60	12200.66	3347	980682.80	36.57	-77.43
2595	4840.90	12200.81	2702	980721.90	11.56	-80.47
2596	4840.70	12200.43	3107	980697.80	25.85	-79.97
2603	4831.70	12212.92	155	980871.80	-64.34	-69.62
2604	4833.50	12212.23	359	980854.80	-64.85	-77.07
2605	4836.10	12212.46	550	980840.30	-65.27	-84.01
2606	4840.70	12209.92	350	980859.10	-72.17	-84.05
2607	4840.30	12208.44	374	980856.50	-71.92	-84.66
2608	4839.60	12207.04	445	980848.50	-70.69	-85.85
2609	4839.70	12207.32	404	980851.60	-73.10	-86.86
2610	4839.60	12207.14	756	980832.90	-58.54	-84.25
2611	4839.20	12212.71	315	980861.00	-71.32	-82.05
2612	4837.80	12211.97	998	980815.00	-50.98	-84.97
2614	4838.30	12211.11	2006	980752.40	-19.52	-87.84
2616	4836.80	12210.58	2886	980692.50	5.60	-92.70
2623	4843.30	12212.14	304	980861.10	-78.39	-88.75
2624	4844.60	12207.27	670	980845.30	-61.71	-84.53
9648	4843.98	12207.45	650	980842.23	-65.74	-87.87
9649	4843.44	12205.97	1000	980821.45	-52.79	-86.85
9650	4842.09	12206.38	1250	980798.81	-49.89	-92.47
9651	4841.19	12206.79	700	980834.55	-64.54	-88.38
9652	4842.05	12204.08	2675	980718.70	4.09	-87.02
9653	4842.36	12202.76	3450	980686.30	44.13	-73.38
9654	4843.37	12202.50	3250	980699.76	37.26	-73.43
9655	4842.97	12201.63	3350	980691.40	38.91	-75.19
9656	4844.09	12201.79	3050	980708.84	26.45	-77.43
9657	4844.70	12200.84	2825	980716.31	11.85	-84.37
9658	4844.63	12203.44	3650	980688.39	61.63	-62.65
9660	4844.83	12204.80	1900	980758.76	-32.90	-97.62
9661	4843.10	12204.01	2850	980704.58	4.86	-92.21
9663	4840.67	12209.90	348	980856.58	-74.44	-86.25

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9664	4839.23	12212.73	314	980859.55	-72.91	-83.60

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4830

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A782	4830.47	12220.00	31	980881.35	-64.61	-65.67
A783	4831.56	12220.03	33	980879.26	-68.14	-69.27
A784	4832.44	12220.27	49	980876.90	-70.32	-71.55
A785	4833.55	12219.85	84	980874.06	-71.53	-74.35
A786	4834.95	12220.20	197	980873.49	-63.57	-70.28
A787	4835.64	12219.37	241	980870.32	-63.63	-71.84
A788	4836.55	12219.87	266	980868.24	-64.72	-73.78
A789	4837.19	12220.33	274	980871.22	-61.95	-71.28
A790	4837.82	12218.78	425	980860.34	-59.57	-74.04
A791	4838.79	12219.36	401	980862.56	-61.06	-74.72
A792	4839.85	12219.40	401	980861.19	-64.01	-77.67
A793	4844.32	12222.17	325	980860.39	-78.65	-99.72
A795	4840.45	12219.09	314	980862.42	-71.87	-82.56
A796	4841.42	12218.58	307	980860.48	-75.92	-86.37
A797	4843.18	12221.25	462	980850.50	-73.95	-89.69
A951	4831.18	12226.60	8	980893.12	-56.07	-56.34
A952	4831.15	12228.26	6	980903.96	-45.37	-45.57
A953	4832.90	12228.26	5	980893.41	-58.64	-58.81
A957	4833.69	12226.60	5	980886.07	-67.16	-67.33
A958	4835.84	12225.14	3	980892.75	-63.89	-63.95
A959	4836.95	12226.35	5	980893.27	-64.84	-65.01
A962	4833.56	12221.76	310	980864.55	-59.80	-70.35
A963	4832.71	12224.31	10	980883.33	-67.96	-68.30
A964	4830.10	12224.65	20	980888.11	-58.33	-59.01
FA796	4842.54	12219.77	377	980855.61	-75.88	-88.72

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12045/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L4807	4845.45	12047.35	3198	980621.14	-49.36	-158.28
L4808	4845.38	12047.59	2844	980635.94	-67.75	-164.62
10316	4845.00	12051.75	5920	980471.04	57.24	-144.39
10325	4858.60	12054.40	5050	980545.53	29.56	-142.44
10326	4856.90	12055.50	3480	980636.32	-24.78	-143.31

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12100/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
W4708	4845.12	12101.64	1603	980728.84	-51.15	-145.75
W4709	4846.15	12101.37	1603	980729.48	-52.09	-146.69
W4710	4846.50	12103.78	1604	980734.83	-87.17	-141.81
W4711	4849.08	12103.33	1607	980728.91	-56.67	-151.41
W4712	4851.10	12102.05	1610	980731.10	-57.22	-152.06
W4713	4854.89	12104.37	1603	980750.33	-84.32	-138.52
W4714	4857.97	12105.85	1603	980747.95	-91.30	-145.50
W4715	4859.25	12104.25	1603	980753.56	-87.21	-141.80
W4717	4856.50	12103.56	1604	980750.21	-86.75	-141.38
W4718	4853.07	12102.24	1603	980738.69	-93.24	-147.83
W4719	4849.44	12101.89	1604	980728.97	-57.43	-152.06
W4787	4850.81	12112.87	2485	980690.47	-55.11	-139.75
W4788	4848.54	12109.59	1868	980722.08	-78.14	-141.77
W4790	4848.19	12107.57	1662	980730.45	-88.63	-145.23
W4791	4846.53	12103.87	1619	980737.13	-83.51	-138.65
10317	4855.60	12112.20	5880	980485.52	52.11	-148.17
10319	4849.20	12111.40	2074	980712.34	-69.49	-140.13
10327	4856.62	12100.59	2853	980681.12	-38.54	-135.71

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12115/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
W4776	4853.28	12127.79	2874	980686.56	-26.13	-124.02
W4777	4853.85	12126.82	2560	980693.90	-49.18	-136.37
W4778	4853.85	12126.82	2560	980693.65	-49.43	-136.62
W4779	4854.22	12126.51	2624	980692.47	-45.14	-134.51
W4780	4853.65	12124.89	2873	980671.96	-41.38	-139.23
W4781	4852.53	12123.78	3723	980623.66	-8.05	-134.86
W4782	4852.53	12121.73	5206	980542.93	50.71	-126.61
W4783	4852.36	12120.29	2948	980657.59	-46.76	-147.17
W4785	4853.46	12116.49	2468	980688.80	-62.35	-146.41
W4786	4852.77	12115.08	3619	980633.11	-8.74	-132.00

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12130/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5019	4851.04	12141.06	4742	980594.14	60.51	-101.01
L5020	4851.77	12140.24	4034	980642.60	41.28	-96.12
L5021	4851.87	12139.37	3331	980682.01	14.41	-99.04
L5022	4852.62	12140.19	2724	980718.45	-7.36	-100.14
L5023	4854.33	12141.60	2011	980759.80	-35.63	-104.13
L5024	4853.93	12139.58	2499	980730.04	-18.89	-104.01
L5025	4854.64	12135.45	3104	980680.80	-12.29	-118.01
L5026	4854.06	12140.01	2092	980754.57	-32.84	-104.05
L5029	4854.46	12142.39	1996	980755.19	-41.85	-109.83
L5123	4847.10	12140.32	1611	980765.01	-57.23	-112.10
L5125	4848.44	12141.31	2618	980704.10	-25.43	-114.60
W4741	4849.62	12140.57	3259	980666.37	-4.63	-115.63
W4742	4850.02	12139.42	3930	980632.96	24.47	-109.38
W4773	4853.76	12133.66	3857	980630.94	9.99	-121.37
W4774	4852.98	12132.00	5066	980561.85	55.79	-115.76
W4775	4853.23	12130.33	3673	980635.83	-1.63	-126.73
9488	4855.53	12143.72	5797	980519.73	78.61	-118.83
9489	4855.80	12144.33	5850	980520.17	83.63	-115.62
9516	4857.13	12138.06	5150	980582.00	77.63	-97.77
9518	4857.39	12138.51	6521	980474.30	98.50	-123.60
9519	4856.90	12137.09	4500	980614.73	49.57	-103.70
9521	4856.61	12139.70	3660	980668.02	24.28	-100.38
9522	4856.17	12140.34	3240	980689.12	6.54	-103.82
9523	4854.99	12140.78	2850	980718.29	0.79	-96.28
9602	4845.36	12140.09	1253	980801.75	-51.56	-94.24
9669	4845.51	12134.40	2900	980687.94	-10.68	-109.45
9670	4846.06	12134.15	4240	980610.38	36.98	-107.44
9672	4845.83	12135.78	1920	980748.68	-42.60	-107.99
9674	4845.17	12137.22	2240	980742.47	-17.72	-94.01
9675	4846.18	12138.60	2560	980726.64	-4.96	-92.16

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4845

STATION I.D.	LATITUDE (D.M.M/100)	LONGITUDE (D.M.M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
L5030	4854.70	12145.58	1862	980757.31	-52.69	-116.11
L5031	4854.63	12147.84	1861	980761.03	-48.96	-112.35
L5032	4854.38	12154.33	1119	980808.06	-71.35	-109.46
L5033	4853.33	12156.21	931	980823.22	-72.30	-104.01
L5034	4853.51	12157.63	878	980826.78	-74.00	-103.90
10827	4846.07	12148.92	9300	980213.31	115.84	-200.92
10828	4845.11	12148.30	7000	980431.48	119.10	-119.31
10838	4845.76	12147.73	7600	980407.57	150.66	-108.20
10840	4845.59	12146.96	6200	980486.24	57.90	-113.27
10841	4845.68	12146.01	4720	980570.67	42.98	-117.78
2730	4845.37	12158.92	1557	980782.98	-41.75	-94.78
9466	4854.45	12149.12	1375	980786.25	-69.18	-116.02
9472	4852.83	12151.83	4277	980615.81	35.76	-109.91
9473	4852.19	12150.80	5884	980509.17	81.23	-119.18
9474	4851.56	12150.52	6215	980485.46	89.60	-122.08
9475	4850.52	12151.34	6563	980463.47	101.90	-121.64
9477	4852.32	12152.84	4159	980621.58	31.19	-110.46
9478	4853.60	12149.25	2432	980729.30	-25.44	-108.28
9484	4857.30	12147.55	4510	980621.01	56.15	-97.42
9485	4856.69	12147.37	5581	980538.90	75.73	-114.36
9486	4856.11	12147.32	5699	980528.56	77.76	-116.35
9487	4855.97	12145.93	5930	980512.63	83.37	-118.61
9495	4857.45	12148.30	4200	980632.04	37.84	-105.21
9496	4857.79	12145.57	3550	980670.57	14.72	-106.15
9497	4856.91	12148.97	3400	980679.93	11.29	-104.52
9498	4857.69	12150.10	3750	980657.20	20.31	-107.41
9499	4858.04	12153.53	2650	980726.57	-14.31	-104.56
9500	4857.64	12152.16	3400	980688.31	18.58	-97.23
9501	4856.98	12155.50	2130	980763.13	-25.07	-97.62
9502	4855.67	12157.22	2120	980762.19	-24.99	-97.20
9503	4855.04	12158.27	2085	980760.75	-28.78	-99.80
9504	4856.21	12153.63	3800	980654.69	24.72	-104.71
9505	4857.38	12154.87	3000	980714.55	7.58	-94.60
9506	4854.29	12156.96	1800	980774.90	-40.32	-101.63
9507	4855.21	12156.08	3037	980707.21	6.97	-96.47
9508	4853.63	12152.78	1560	980784.85	-51.96	-105.05
9510	4854.29	12159.46	750	980835.20	-78.78	-104.33
9528	4852.15	12155.46	2290	980745.41	-20.52	-98.52
9529	4851.06	12158.14	3150	980727.45	44.04	-63.25
9530	4851.86	12157.55	2910	980732.41	25.23	-73.88
9531	4851.20	12155.28	3281	980672.51	1.21	-110.54
9532	4850.37	12156.26	5021	980569.00	62.61	-108.40
9533	4851.29	12154.07	1480	980774.61	-66.22	-116.63
9534	4848.30	12153.71	3550	980668.24	26.58	-94.33
9535	4849.35	12155.85	5021	980573.30	68.44	-102.58
9536	4848.50	12155.88	4150	980630.23	44.71	-96.64
9537	4849.71	12154.05	2250	980695.99	-70.05	-146.65
9538	4852.85	12154.82	1175	980810.95	-60.90	-100.52
9539	4854.17	12147.86	2050	980754.70	-36.83	-106.65

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12145/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
9540	4851.49	12146.42	2600	980709.93	-25.85	-114.41
9541	4852.30	12146.55	3100	980688.22	-1.75	-107.33
9542	4851.17	12147.68	3950	980649.43	41.11	-93.43
9543	4852.51	12147.89	4700	980603.00	63.22	-96.87

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QLAC: 12200/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A835	4855.02	12208.12	441	980884.48	-59.66	-74.68
A836	4855.58	12204.69	668	980867.50	-56.13	-73.88
A888	4855.69	12202.20	606	980863.19	-66.43	-87.07
A910	4856.69	12214.15	516	980895.78	-43.80	-61.38
A911	4858.72	12214.07	42	980926.06	-61.14	-62.57
A912	4859.59	12214.80	34	980926.39	-62.86	-64.02
A914	4859.54	12211.48	25	980926.44	-63.59	-64.44
A915	4858.65	12210.66	579	980895.69	-40.90	-60.62
A916	4859.38	12205.96	548	980885.28	-55.31	-73.98
A917	4858.14	12204.60	819	980861.25	-52.00	-79.89
FA831	4850.91	12209.53	343	980863.86	-83.35	-95.03
FA832	4851.61	12209.12	332	980868.45	-80.84	-92.15
FA833	4853.30	12209.08	401	980874.60	-70.73	-84.39
FA834	4854.33	12208.00	420	980881.64	-63.44	-77.75
2625	4845.30	12207.73	689	980844.40	-61.87	-85.34
2626	4846.70	12206.66	697	980841.60	-66.01	-89.75
2628	4846.50	12203.56	1227	980804.60	-52.86	-94.66
9548	4856.49	12201.18	1839	980789.79	-25.05	-87.69
9549	4856.85	12201.79	2780	980734.35	7.48	-87.21
9550	4857.28	12202.14	3320	980699.47	22.75	-90.33
9551	4857.12	12200.18	2433	980754.78	-5.13	-88.00
9553	4855.54	12204.67	668	980865.31	-58.26	-81.01
9554	4856.64	12204.57	773	980860.10	-55.23	-81.56
9555	4857.25	12204.29	755	980860.31	-57.63	-83.34
9556	4858.25	12204.57	832	980860.98	-51.21	-79.55
9557	4859.05	12204.31	842	980860.26	-52.19	-80.86
9558	4859.28	12205.93	548	980882.50	-57.94	-76.61
9559	4858.67	12207.13	533	980884.55	-56.39	-74.55
9562	4855.50	12206.15	936	980852.37	-45.93	-77.81
9563	4856.35	12207.08	2163	980777.28	-6.88	-80.55
9564	4857.06	12206.39	1919	980798.69	-9.48	-74.84
9565	4857.77	12206.12	1886	980800.52	-11.81	-76.05
9566	4854.99	12206.85	534	980874.63	-60.72	-78.90
9567	4855.64	12202.22	607	980862.06	-67.39	-88.07
9568	4855.49	12201.08	681	980850.72	-71.55	-94.74
9572	4853.36	12206.73	532	980860.33	-72.77	-90.85
9573	4853.61	12205.16	1296	980814.83	-46.78	-90.92
9574	4852.95	12204.31	2786	980717.49	-2.98	-97.87
9575	4853.74	12202.17	3561	980665.34	16.58	-104.71
9576	4853.04	12200.98	3672	980660.34	23.07	-102.00
9577	4852.42	12202.78	2298	980744.46	-21.12	-99.39
9578	4851.04	12201.32	2923	980705.37	0.64	-98.92
9579	4851.08	12207.17	942	980826.59	-64.53	-96.63
9580	4851.09	12206.07	1932	980765.40	-32.62	-98.42
9581	4850.87	12204.61	2726	980716.45	-6.56	-99.40
9582	4849.18	12202.32	3196	980685.80	9.53	-99.32
9583	4850.07	12204.23	2313	980738.50	-22.16	-100.94
9621	4848.89	12207.44	421	980848.36	-88.49	-102.83
9622	4847.66	12206.50	508	980845.38	-81.45	-98.75

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12200/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (F=2.67)
9623	4846.74	12205.36	1035	980817.56	-58.32	-93.57
9625	4846.46	12203.58	1251	980802.83	-52.32	-94.93
9626	4846.25	12202.38	1220	980796.77	-60.98	-102.53
9627	4845.77	12200.56	1537	980782.81	-44.40	-96.75
9659	4845.51	12204.88	2642	980723.05	0.16	-89.82

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A837	4845.42	12221.23	316	980861.97	-79.57	-90.33
A838	4846.03	12220.57	557	980849.15	-70.63	-89.60
A839	4846.50	12219.52	648	980842.67	-69.25	-91.33
A840	4847.37	12219.51	556	980850.71	-71.17	-90.11
A841	4848.24	12220.55	440	980860.84	-73.25	-88.24
A842	4849.09	12219.51	354	980869.30	-74.15	-86.21
A843	4849.95	12219.87	213	980883.31	-74.69	-81.95
A844	4851.26	12219.85	150	980894.76	-71.13	-76.24
A845	4851.71	12221.15	229	980895.04	-64.09	-71.89
A846	4853.50	12229.07	85	980913.35	-62.00	-64.90
A847	4853.50	12227.75	80	980912.73	-63.09	-65.82
A848	4853.50	12226.47	99	980912.03	-62.00	-65.38
A849	4852.64	12226.47	83	980909.90	-64.35	-67.18
A850	4852.63	12224.82	98	980910.04	-62.79	-66.13
A851	4852.62	12223.80	144	980907.63	-60.86	-65.76
A852	4852.60	12222.45	160	980905.69	-61.26	-66.71
A853	4852.56	12220.55	137	980903.51	-65.54	-70.21
A854	4850.61	12217.25	157	980884.25	-80.01	-85.35
A855	4850.60	12215.82	175	980883.64	-78.91	-84.87
A856	4849.95	12215.10	182	980876.73	-84.19	-90.39
A857	4849.95	12218.25	282	980876.68	-74.83	-84.44
A858	4849.95	12216.63	278	980873.42	-78.47	-87.94
A859	4854.41	12229.03	74	980917.55	-60.20	-62.72
A860	4855.23	12229.03	51	980922.28	-58.86	-60.59
A861	4856.12	12229.03	61	980924.31	-57.22	-59.25
A862	4857.86	12229.03	109	980928.43	-51.18	-54.90
A863	4859.16	12229.03	124	980936.47	-43.68	-47.90
A865	4856.11	12226.40	52	980925.07	-57.29	-59.06
A866	4855.67	12225.10	58	980922.99	-58.15	-60.12
A867	4854.60	12224.45	80	980917.36	-60.11	-62.83
A868	4854.60	12223.10	88	980917.50	-59.21	-62.21
A869	4854.31	12222.43	103	980915.46	-59.41	-62.92
A870	4855.20	12220.68	90	980917.50	-59.92	-62.99
A871	4856.08	12221.07	80	980918.35	-61.33	-64.05
A872	4856.95	12221.05	81	980919.72	-61.17	-63.53
A873	4856.97	12219.80	67	980921.76	-60.47	-62.76
A874	4856.97	12219.12	71	980921.85	-60.01	-62.43
A875	4856.98	12218.48	69	980921.71	-60.35	-62.70
A876	4856.97	12216.82	60	980922.56	-60.33	-62.38
A877	4857.84	12215.47	86	980924.03	-57.72	-60.65
A878	4857.84	12216.15	53	980925.82	-59.03	-60.84
A879	4857.85	12217.17	56	980923.98	-60.60	-62.51
A880	4857.85	12218.47	62	980923.07	-60.75	-62.86
A881	4857.84	12219.80	64	980923.18	-60.64	-62.82
A882	4857.83	12221.05	69	980923.27	-60.06	-62.41
A883	4857.84	12222.38	89	980928.19	-53.27	-56.31
A884	4857.84	12223.03	94	980928.71	-52.28	-55.49
A885	4857.85	12225.04	119	980926.39	-52.27	-56.32
A886	4857.86	12226.39	113	980927.48	-51.76	-55.61

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4845

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A887	4857.87	12227.70	109	980928.14	-51.49	-55.20
A899	4853.02	12218.51	116	980902.65	-69.07	-73.02
A900	4853.02	12217.51	166	980899.95	-67.06	-72.72
A901	4853.48	12218.17	112	980905.77	-67.01	-70.83
A902	4853.48	12219.16	108	980907.66	-65.50	-69.18
A903	4854.33	12219.18	95	980914.38	-61.27	-64.51
A904	4855.21	12219.25	86	980917.73	-60.08	-63.01
A905	4855.21	12218.18	92	980917.40	-59.85	-62.98
A906	4855.22	12217.20	127	980913.67	-60.30	-64.63
A907	4855.22	12216.52	168	980913.29	-56.83	-62.55
A908	4855.38	12215.85	319	980905.34	-50.81	-61.68
A909	4855.88	12215.52	371	980902.74	-49.27	-61.91
A918	4856.09	12216.86	123	980916.65	-59.00	-63.19
A919	4858.49	12215.47	48	980927.91	-58.38	-60.02
A920	4859.58	12215.90	38	980927.24	-61.62	-62.92
A921	4859.58	12217.02	46	980930.60	-57.51	-59.08
A922	4858.72	12217.13	46	980926.68	-60.14	-61.71
A923	4859.58	12218.48	191	980923.70	-50.77	-57.28
A924	4859.59	12219.72	172	980927.15	-49.12	-54.98
A925	4859.61	12221.05	167	980934.62	-42.15	-47.84
A926	4859.61	12222.40	156	980936.28	-41.53	-46.84
A927	4859.60	12224.34	140	980937.75	-41.55	-46.32
A928	4858.73	12224.34	133	980932.16	-46.50	-51.03
A929	4858.74	12225.67	121	980932.26	-47.54	-51.66
A930	4856.76	12224.34	52	980925.92	-57.41	-59.18
B127	4852.62	12229.75	78	980910.30	-64.39	-67.05

PRINCIPAL GRAVITY FACTS FOR CASCADE MOUNTAINS, WASHINGTON

QUAD: 12215/4900

STATION I.D.	LATITUDE (D,M,M/100)	LONGITUDE (D,M,M/100)	ELEVATION (FEET)	OBS. GRAVITY (MGALS)	FREE-AIR	SIMPLE BOUGUER (P=2.67)
A864	4900.13	12229.03	141	980540.35	-39.65	-44.45

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