DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Gravity observations by the U.S. Geological Survey in northwest Nevada, southeast Oregon, and northeast California, 1984-1986

by

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INTRODUCTION

A total of 1,020 gravity stations were established in parts of northwest Nevada, southeast Oregon, and northeast California by the U.S. Geological Survey during 1984 to 1986 (fig. 1). The purpose of the gravity survey was to provide a regional geophysical background for evaluation of mineral resources in public lands (for example, Keith and others, 1986; Noble and others, 1987a,b; Sorensen and others, 1987; and Vander Meulen and others, 1987). This survey also extends previous surveys near Adel, Oreg. (Plouff and Conradi, 1975), McDermitt, Nev. (Plouff, 1976; 1977a), and the Sheldon Antelope Range, Nev. (Plouff, 1984).

VALUES OF OBSERVED GRAVITY

The datum of observed gravity for stations listed in this report is the International Gravity Standardization Net of 1971 (IGSN-71) described by Morelli (1974). Ties were made to five base stations merged with the IGSN-71 datum by the Defense Mapping Agency (Jablonski, 1974). These stations are located in or near Denio, Gerlach, McDermitt, and Winnemucca, Nev. and Jordan Valley, Oreg. Ties were made to two base stations described by Chapman (1966) in Cedarville and Susanville, Calif. Chapman's values of observed gravity, which were based on the datum of Woollard and Rose (1963), were converted to the IGSN-71 datum by subtracting constants of 14.51 and 14.49 milligals (mGal), respectively, as derived from Oliver and others (1980). The accuracy of this conversion is about 0.05 mGal. All base stations used in this report are described in Table 1.

Tide-corrected drift curves were prepared for all the observed gravity data (fig. 2). The curves include the effect of uncertainty in evaluating the observed gravity for base and repeated stations that form the drift curves as well as instrumental drift. The range of daily drift seldom exceeded 0.1 mGal. Drift was markedly higher during two days in which helicopter transportation was used. Helicopter transportation was used on June 24 (0.11 mGal) and October 18, 1984 and August 17 (0.23 mGal), August 18, and August 21, 1985.

CALCULATION OF GRAVITY ANOMALIES

Free-air gravity anomalies were determined by using the Geodetic Reference System 1967 formula (GRS-67) for the normal gravity on the ellipsoid (International Association of Geodesy, 1971, p. 60) and Swick's (1942, p.65) formula for the free-air correction. Bouguer, Earth's curvature, and terrain corrections were added to the free-air gravity anomaly at each station to determine complete Bouguer anomalies at a standard reduction density of 2.67 g/cm^3. Terrain corrections were determined to a distance of 0.89 km from each station by using Hammer's (1939) method of esimating elevations in cylindrical sectors around the stations. Terrain corrections in the remaining distance interval to 166.7 km were determined with a computer program that uses topography digitized at intervals of 15 seconds, 1 minute, and 3 minutes (Plouff, 1977b). Isostatic corrections were estimated by using a computer program by Jachens and Roberts (1981). That program calculates the effect of Airy-Heiskanen isostatic compensation by using 3-minute topographic digitization. The parameters assumed for the isostatic model were 25 km for the normal crustal thickness, 2.67 g/cm^3 for the density of the crust, and a density contrast of 0.4 g/cm^3 between the lower crust and the upper mantle. Isostatic corrections were subtracted from values of the Bouguer gravity anomaly to obtain values of isostatic residual gravity.

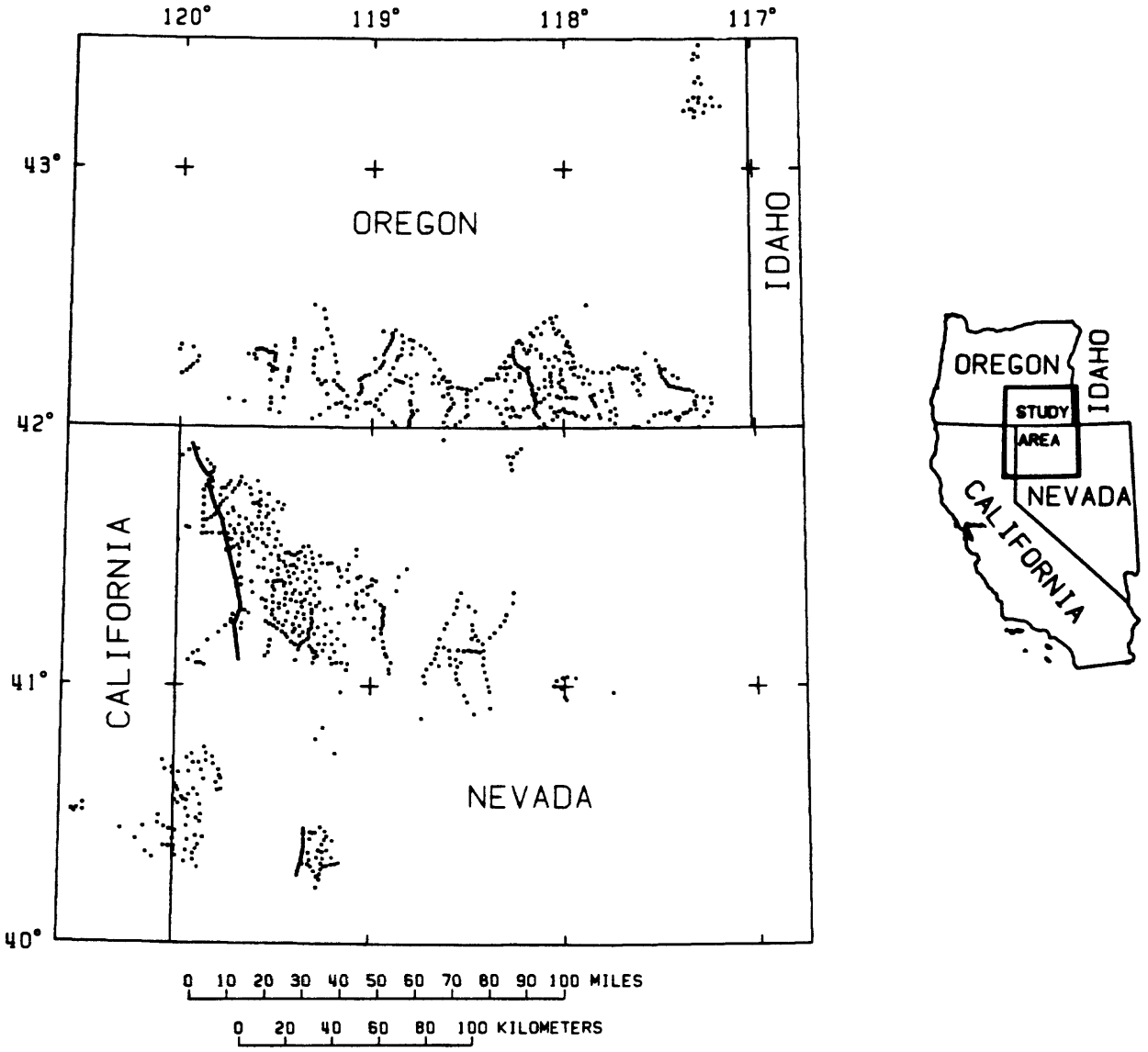
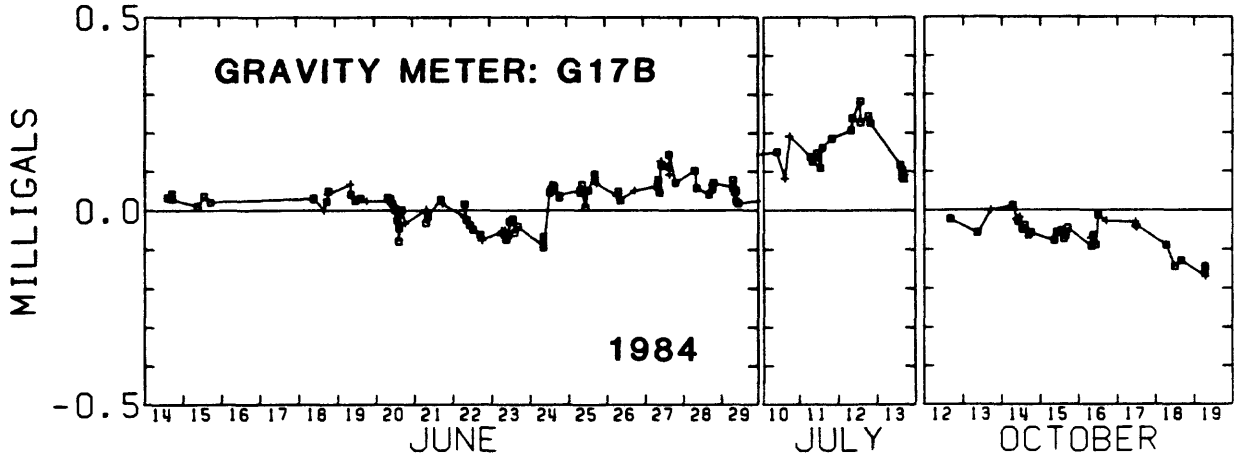
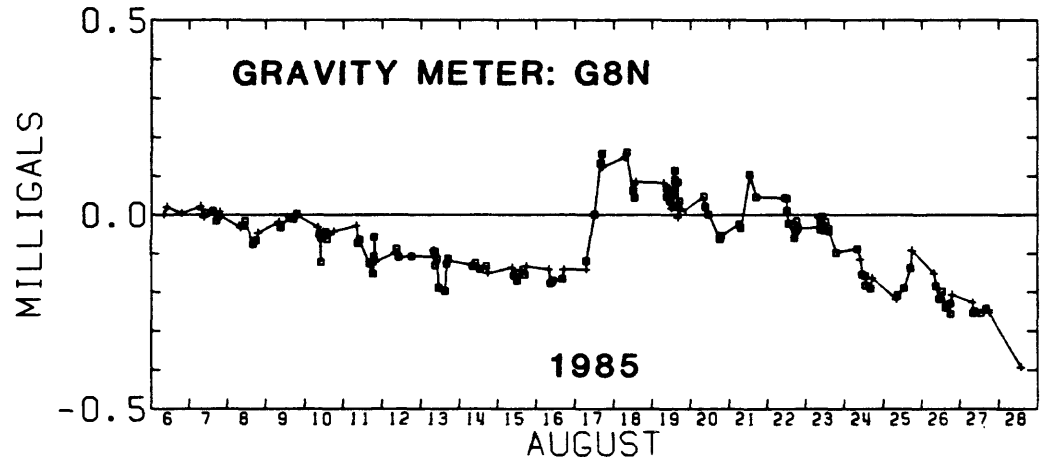


Figure 1. Locations of gravity stations.





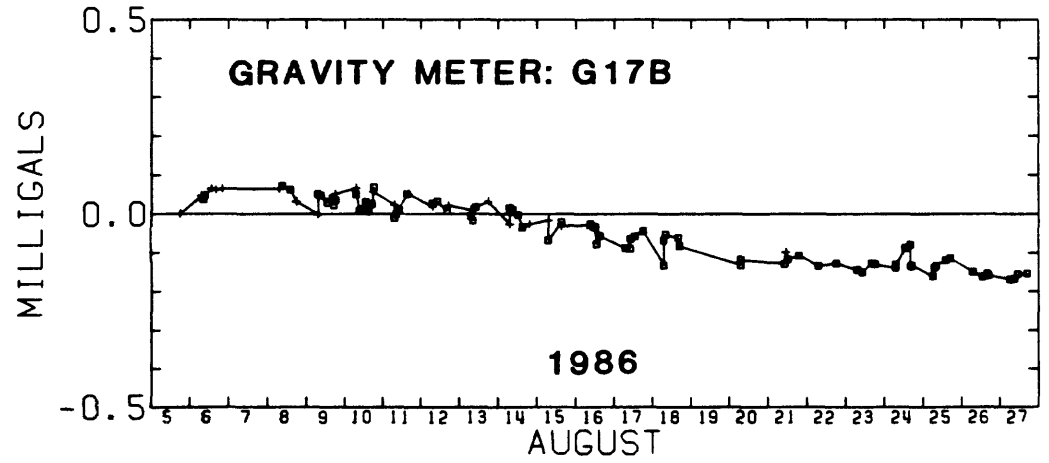


Figure 2. Drift curves for gravity readings. Points that delineate drift curves are determined from observations at base stations or at stations with repeated readings. Lines are loci of linearly interpolated values of drift. Square, repeat station. Plus sign, base station.

LISTS OF PRINCIPAL FACTS

Tables 6, 7, and 8 list principal facts for the gravity data. The information listed for each station fits in 80 columns on a line in a computer file and is reformatted for readability in the tables. Station names consist of 8 or less characters. Locations are described in geographic coordinates expressed in degrees and minutes. Inasmuch as most topographic maps and benchmark lists in the area indicate elevations in feet, elevations are expressed in feet.

Values of observed gravity are referenced to the IGSN-71 datum and are expressed in milligals. The free-air gravity anomaly, expressed in units of milligals, uses the GRS-67 formula for normal gravity on the spheroid and includes higher order terms of Swick's (1942, p. 65) formula for the free-air correction. Terrain corrections are subdivided into two columns of values expressed in milligals. The first column is the hand terrain correction determined through Hammer's (1939) F-ring. The second column is the part calculated from digital topography between Hammer's (1939) F-ring (0.89 km) and 166.7 km. Bouguer gravity anomalies ("BOUG ANOM") and values of the isostatic residual gravity ("ISOS ANOM") are expressed in milligals.

"ACC CODE" refers to a 4-digit accuracy code. The first digit describes the location and the type of elevation at the station (table 2). The second digit provides an estimate of the elevation accuracy (table 3), which relates to a large source of error (0.06 mGal/ft) when calculating the Bouguer gravity anomaly. The third digit indicates the accuracy of horizontal location (table 4). The fourth digit indicates the accuracy of observed gravity (table 5). This code depends on the type of gravity meter used, the magnitude of drift, and the number and quality of repeat readings. The "DATE" is the most recent date, expressed in month, day, and year (without the leading 19), when gravity was observed at the station. "BASE NAME" is the 5-digit name of the base station to which the station was tied.

The following statistical information summarizes the principal facts for the 1,020 gravity stations. Elevations, which range from 3,598 to 8,041 ft above sea level, have an average elevation of 5375 $\pm$ 802 ft, where the last number indicates the standard deviation. Values of observed gravity range from 979,623 to 980,125 mGal with an average of 979,822 $\pm$ 73 mGal. Free-air gravity anomalies range from -47 to 93 mGal with an average of 13 $\pm$ 24 mGal. Hand terrain corrections to a distance of 0.89 km from each station range from 0.0 to 6.7 mGal with an average of 0.3 $\pm$ 0.6 mGal. Total terrain corrections range from 0.1 to 19.4 mGal with an average of 1.7 $\pm$ 2.0 mGal. Bouguer gravity anomalies range from -200 to -121 mGal with an average of -170 $\pm$ 15 mGal. Values of isostatic residual gravity range from -31 to 25 mGal with an average of -7 $\pm$ 10 mGal. The standard deviation, which reflects scatter of data, is 5 mGal less for values of isostatic residual gravity compared to values of the Bouguer gravity anomaly.

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REFERENCES

Chapman, R.H., 1966, The California Division of Mines and Geology gravity base station network: California Division of Mines and Geology Special Report 90 and Supplement, 53 p.

Hammer, Sigmund, 1939, Terrain corrections for gravimeter stations: Geophysics, v. 4, no. 3, p. 184-194.

International Association of Geodesy, 1971, Geodetic reference system 1967: International Association of Geodesy Special Publication no. 3, 116 p.

Jablonski, H.M., 1974, World relative gravity network North America, Parts 1 and 2: Defense Mapping Agency Aerospace Center Reference Publication no. 25, originally published 1970, revised 1974 with supplement updating gravity values to the IGSN-71 datum, 1635 p.

Jachens, R.C., and Roberts, C.W., 1981, Documentation of a FORTRAN program, "isocomp", for computing isostatic residual gravity: U.S. Geological Survey Open-File Report 81-574, 26 p.

Keith, W.J., Turner, R.L., Plouff, Donald, and Rumsey, C.M., 1986, Mineral resources of the Mount Limbo Wilderness Study Area, Pershing County Nevada: U.S. Geological Survey Bulletin 1726-A, 11 p.

Morelli, C., (Ed.), 1974, The International gravity standardization net 1971: International Association of Geodesy Special Publication no. 4, 194 p.

Noble, D.C., Plouff, Donald, Bergquist, J.R., Barton, H.N., and Olson, J.E., 1987a, Mineral resources of the Pahute Peak Wilderness Study Area, Humboldt County, Nevada: U.S. Geological Survey Bulletin 1726-C, 12 p.

Noble, D.C., Plouff, Donald, Bergquist, J.R., Neumann, T.R., and Close, T.J., 1987b, Mineral resources of the High Rock Lake Wilderness Study Area, Humboldt County, Nevada: U.S. Geological Survey Bulletin 1707-A, 9 p.

Oliver, H.W., Robbins, S.L., and Chapman, R.H., 1980, Gravity measurements, reductions, and conversion formulas to IGSN 71 and GRS 67, appendix 1 in Oliver, H.W., ed., Interpretation of the gravity maps of California and its continental margin: California Division of Mines and Geology Bulletin 205, 47-52 p.

Plouff, Donald, 1976, Principal facts for gravity observations near McDermitt, Nevada: U.S. Geological Survey Open-File Report 76-599, 21 p.

-----1977a, Gravity observations near McDermitt, Nevada during 1976: U.S. Geological Survey Open-File Report 77-536, 13 p.

-----1977b, Preliminary documentation for a FORTRAN program to compute gravity terrain corrections based on topography digitized on a geographic grid: U.S. Geological Survey Open-File Report 77-535, 45 p.

-----1984, Interpretation of aeromagnetic and gravity data, Charles Sheldon Wilderness study area, Nevada and Oregon, Chapter B, in Mineral resources of the Charles Sheldon wilderness study area, Humboldt and Washoe Counties, Nevada and Lake and Harney Counties, Oregon: U.S. Geological Survey Bulletin 1538, p. 35-49, 1 pl.

Plouff, Donald, and Conradi, Arthur, Jr., 1975, Gravity and magnetic profiles and maps, Crump Geyser area, Oregon: U.S. Geological Survey Open-File Report 75-346, 2 p., 12 sheets.

Sorensen, M.L., Plouff, Donald, Turner, R.L., and Hamilton, M.M., 1987, Mineral resources of the South Jackson Mountains Wilderness Study Area, Humboldt County, Nevada: U.S. Geological Survey Bulletin 1726-B, 14 p.

Swick, C.H., 1942, Pendulum gravity measurements and isostatic reductions: U.S. Coast and Geodetic Survey Special Publication no. 232, 82 p.

Vander Meulen, D.B., Rytuba, J.J., King, H.D., Plouff, D., and Scott, D.F., 1987, Mineral resources of the Honeycombs Wilderness Study Area, Malheur County, Oregon: U.S. Geological Survey Bulletin 1741-A, 15 p.

Woollard, G.P., and Rose, J.C., 1963, International gravity measurements: Society of Exploration Geophysicists, Tulsa, Okla., 518 p.

Table 1.--Base station descriptions

The following list provides the latitude, longitude, observed gravity in milligals, elevation in feet, and descriptions for each base station. The number in parentheses after the base name indicates the number of stations tied to that base. Base station names that begin with the letters CH retain the name and description from the California Base Network (Chapman, 1966). The following abbreviations are used: BM, level line bench mark; CGS, bench mark originally established by the U.S. Coast and Geodetic Survey (now the National Geodetic Survey); and E, N, S, and W are compass directions east, north, south, and west, respectively.

Cedarville, Calif.

CH 15(294) 41°31.78' 120°10.05' 4629.2 ft 979,859.11 mGal
0.2 mi E of Main Street in Cedarville on highway to Vya, Nev. About 75 ft NE of deserted house. About 30 ft S of centerline of highway. On ground 1 ft S of and 0.7 ft below CGS BM X158. Inasmuch as this station is located at the periphery of the network coverage, the accuracy of this value is no better than 0.1 mGal.

HELIC 41°33.01' 120°10.17' 4635 ft 979,864.98 mGal
At Cedarville Airport about 1.3 mi N of town. Between hangar and Pilots' Lounge. 1 ft W of phone booth. On flat rock. Elevation interpolated from topographic map. Tied to base station CH 15 with an accuracy of 0.02 mGal.

Denio, Nev.

DENIO(223) 41°59.70' 118°34.20' 4215 ft 979,932.18 mGal
E side of main N-S road. About 160 ft S of Oregon State Line. 5 ft S of SE door to Post Office. On concrete porch. 1 ft NW of indentation where marker for ACIC-2352-1 (Jablonski, 1974) was located. Elevation interpolated from topographic map.

P229 41°57.10' 118°37.49' 4218 ft 979,925.52 mGal
At Denio Junction, 2.9 mi S of Post Office at Denio. In line with the centerline of the highway to the W at Tee intersection. 5 ft W of W edge of N-S highway. Spot elevation. Tied to base station DENIO with an accuracy of 0.02 mGal.

Gerlach, Nev.

GERLK(185) 40°39.10' 119°21.17' 3931 FT 979,815.37 mGal
About 150 ft SE of highway. 0.5 ft SE of S corner of railroad depot. 0.5 ft NE of SW edge of concrete apron. On epoxy remnants of removed marker for ACIC-2350-1 (Jablonski, 1974). Ground vibration causing about 0.02-mGal deflection was observed during all readings.

Jordan Valley, Oreg.

JORVL(21) 42°58.64' 117°03.14' 4390 ft 980,036.90 mGal
W side of U.S. Highway 95 near NW edge of town. At NE corner of concrete stoop at S entrance of Jordan Valley school. On ACIC-4608-1 (Jablonski, 1974), but marker is gone.

McDermitt, Nev.

MCDE(188) 41°59.91' 117°43.04' 4429.1 ft 979,905.72 mGal
E of and about 2 ft above US Highway 95. About 50 ft S of road to E at Oregon stateline. About centerline of small house to the E, which has served as a Post Office. E of small wall. On CGS BM Z129. Tied to base station MCDRA with an accuracy of 0.02 mGal.

MCDRA 41°59.91' 117°42.91' 4430 ft 979,905.90 mGal
0.1 mi E along stateline road from U.S. Highway 95. At SW corner of the E porch at NE corner of the gymnasium of the McDermitt School. S of double doors. On ACIC-2354-1 (Jablonski, 1974). On slightly shaky concrete slab. Elevation interpolated from topographic map.

Susanville, Calif.

CH 23(42) 40°24.91' 120°38.74' 4165 ft 979,795.46 mGal
N side of Main Street between North Weatherlow and Grand Streets. Opposite the High School. On sidewalk 1 ft S of W end of steps in front of Veterans Memorial Building.

HELIS 40°22.58' 120°34.66' 4135 ft 979,784.21 mGal
About 5 mi SE of Susanville. 1 ft SW of NW corner of main airport building. Left end of 8-in wall in front of building. Elevation interpolated from topographic map. Tied to base station CH 23 with an accuracy of 0.02 mGal.

Winnemucca, Nev.

WINNA(67) 40°54.22' 117°48.22' 4298 ft 979,810.48 mGal
About 4 mi W of Winnemucca. 3 ft W of door against wall of the Air Service building at the Winnemucca Municipal Airport. 3 ft E of phone booth. Station ACIC 0474-1 (Jablonski, 1974).

P164 40°58.63' 117°44.74' 4341 ft 979,829.20 mGal
Take N fork of first road to the N of Humboldt River for 0.25 mi from U.S. Highway 95. Gravel road junction 0.1 mi S of Welch Drive and Maple Circle intersection. 30 ft in SE corner of intersection. 2.5 ft N of 1/8-in by 3-in by 4-ft post marking underground phone cable. Spot elevation (1323 m). Tied to base station WINNA with an accuracy of 0.03 mGal.

Table 2.--Location description code (digit one)

[The number indicates the total number of gravity stations for which the code was used.]

Code	Number	Explanation
B	92	On level-line bench mark or other permanent mark incorporated into U.S. Geological Survey vertical control system, including National Geodetic Survey bench marks.
N	193	Near level-line bench mark described in the B-category
V	9	On vertical angle bench mark in U.S. Geological Survey control system.
H	3	Near vertical angle bench mark.
D	15	Near assumed location of any of the above marks that was destroyed or not found.
P	89	Near surveyed elevation with or without a permanent mark.
F	1	Near a location with or without a mark, at which a surveyed elevation is shown on a published topographic map.
G	585	Near a location (on a manuscript or published map) at which a spot elevation is determined by photogrammetry; near a doubtful F-location.
W	5	Edge of lake, canal, or reservoir; interpolated elevation or elevation provided for water of dam at unknown height relative to present level.
Q	16	Elevation determined by interpolation of topographic contours that intersect intermittent drainage, stream, or river.
C	12	Elevation determined by topographic contour interpolation at less precise location than defined by "Q".

Table 3.--Accuracy of elevation (digit two)

[The number after the numerical code indicates the total number of stations for which the code was used in tables of this report. The error of the Bouguer gravity anomaly is 0.06 mGal/ft. The uncertainty of horizontal location tends to decrease the elevation accuracy.]

Code	Number	Accuracy (ft)	Bouguer anomaly (mGal)	Examples
1	194	0.2	0.01	On or tied to level-line bench mark by surveying.
2	78	0.5	0.03	Elevation difference hand-leveled to nearby bench mark.
3	119	1.0	0.06	Near bench mark.
4	12	2.0	0.12	On or near vertical angle bench mark; flat area near level-line bench mark that was not found.
5	39	5.0	0.3	Near surveyed spot elevation on topographic map; elevation from map with 10-ft contour interval.
6	460	10.0	0.6	Photogrammetric elevation or contour interpolation on map with 20-ft contour interval.
7	115	20.0	1.2	Uncertain location of photogrammetric spot elevation.
8	3	50.0	3.0	Contour interpolation along road or stream on map with 80-ft contour interval; doubtful combination of elevation and horizontal location.

Table 4.--Accuracy of horizontal location (digit 3)

[The number after the numerical code indicates the total number of stations for which the code was used in tables of this report. The error of the Bouguer gravity anomaly is based on the assumption that all of the location error is along a north-south component of direction.]

Code	Number	Accuracy (ft)	Bouguer anomaly (mGal)	Examples
1	10	42	0.01	Near vertical angle bench mark.
2	290	84	0.02	Near permanent mark on map such as bench mark, section corner, or well.
3	361	210	0.05	Road intersection or stream fork.
4	296	420	0.1	Broad road curve or gentle hillcrest.
5	62	840	0.2	Location depends on odometer measurement over an interval greater than 1 mi or other estimate.
7	1	4,200	1.0	Uncertain location.

Table 5.--Accuracy of observed gravity (digit four)

[The number after the numerical code indicates the total number of stations for which the code was used in tables of this report. Accuracies are relative to the base station, to which the station was tied.]

Code	Number	Accuracy (mGal)	Examples
1	0	0.01	Base station relative to itself.
2	6	0.02	Station established with multiple ties of high precision.
3	65	0.05	Repeated readings with LaCoste and Romberg gravity meter.
4	949	0.1	Non-repeated reading with LaCoste and Romberg gravity meter

Table 6--Gravity data collected in Nevada.

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P 1	40	16.02	119	21.89	3810.0	979800.56	-33.9	0.0f	2.0	-163.1	-11.9	D334	61884	GERLK
P 2	40	16.77	119	21.69	3837.6	979802.45	-30.6	0.1f	1.8	-160.9	-9.8	B124	61884	GERLK
P 3	40	17.59	119	21.39	3871.5	979809.21	-21.9	0.1f	1.4	-153.7	-2.4	N224	61884	GERLK
P 4	40	18.39	119	21.05	3897.6	979809.97	-19.8	0.1f	1.3	-152.7	-1.4	B124	61884	GERLK
P 5	40	19.32	119	20.68	4062.7	979800.16	-15.5	0.4f	1.4	-154.0	-2.7	B124	61884	GERLK
P 6	40	20.14	119	20.40	4171.3	979794.14	-12.5	0.0f	0.9	-155.2	-3.9	B124	61884	GERLK
P 7	40	20.86	119	20.29	4230.1	979792.92	-9.3	0.0f	0.9	-153.9	-2.6	B123	62084	GERLK
P 8	40	26.02	119	19.96	4638.1	979775.84	4.3	0.0f	1.1	-154.2	-2.7	B122	62084	GERLK
P 9	40	25.87	119	17.98	5055.0	979753.38	21.3	0.3f	2.1	-150.1	1.3	G634	61984	GERLK
P 10	40	25.66	119	17.29	5295.0	979742.96	33.7	0.3f	3.2	-145.2	6.2	G634	61984	GERLK
P 11	40	25.75	119	16.28	5954.0	979701.76	54.3	1.6f	5.2	-145.0	6.2	G634	61984	GERLK
P 12	40	27.04	119	14.98	5702.1	979720.55	47.5	0.2f	2.2	-146.2	5.3	C634	61984	GERLK
P 13	40	26.06	119	13.56	5239.5	979749.07	34.0	0.4f	2.3	-143.9	7.8	G534	61984	GERLK
P 14	40	25.03	119	12.91	4993.4	979759.86	23.2	1.0f	3.0	-145.6	6.1	G534	61984	GERLK
P 15	40	23.87	119	11.28	4626.0	979769.68	0.2	0.0f	0.5	-158.4	-6.7	C644	61984	GERLK
P 16	40	24.15	119	13.59	5144.4	979750.73	29.6	0.3f	2.8	-144.5	7.1	G534	61984	GERLK
P 17	40	23.05	119	14.28	5082.0	979751.47	26.1	0.1f	2.5	-146.2	5.3	G533	61984	GERLK
P 18	40	21.67	119	12.93	4714.6	979764.07	6.2	0.0f	0.6	-155.4	-3.8	Q634	61984	GERLK
P 19	40	20.01	119	11.42	4573.5	979773.99	5.3	0.0f	0.3	-151.8	-0.3	Q634	61984	GERLK
P 20	40	18.71	119	9.28	4559.4	979756.08	-12.0	0.0f	0.3	-168.6	-17.1	N124	61984	GERLK
P 21	40	18.50	119	10.36	4565.1	979759.99	-7.2	0.0f	0.3	-164.0	-12.5	B124	61984	GERLK
P 22	40	18.33	119	11.53	4595.0	979762.13	-2.0	0.0f	0.3	-159.9	-8.4	N124	61984	GERLK
P 23	40	18.03	119	13.02	4586.3	979761.07	-3.5	0.0f	0.3	-160.9	-9.5	N124	61984	GERLK
P 24	40	17.91	119	13.72	4545.8	979760.35	-7.8	0.0f	0.3	-163.9	-12.4	N124	61984	GERLK
P 25	40	19.75	119	14.08	4747.4	979754.80	2.9	0.0f	0.6	-159.8	-8.5	Q634	61984	GERLK
P 26	40	21.22	119	14.36	4934.4	979751.66	15.1	0.3f	1.3	-153.3	-1.9	G534	61984	GERLK
P 27	40	21.69	119	15.39	5270.0	979737.72	32.0	0.2f	2.5	-146.6	4.6	G644	61984	GERLK
P 28	40	19.97	119	15.90	5292.0	979731.15	30.1	0.8f	3.4	-148.5	2.7	G634	61984	GERLK
P 29	40	18.64	119	14.66	4681.8	979756.60	0.2	0.0f	0.5	-160.4	-9.0	Q634	61984	GERLK
P 30	40	17.21	119	14.75	4527.6	979760.16	-8.7	0.1f	0.5	-163.9	-12.6	G534	61984	GERLK
P 31	40	16.18	119	15.03	4459.0	979768.09	-5.6	0.1f	0.8	-158.3	-7.0	G634	61984	GERLK
P 32	40	14.82	119	15.19	4377.0	979772.83	-6.6	0.4f	1.5	-155.7	-4.3	Q634	61984	GERLK
P 33	40	13.03	119	16.00	4256.0	979780.04	-8.1	1.0f	3.3	-151.2	0.1	G624	61984	GERLK
P 34	40	15.63	119	16.00	4183.0	979789.54	-9.3	0.1f	1.2	-152.1	-0.7	G624	61984	GERLK
P 35	40	16.82	119	16.83	3972.0	979805.89	-14.6	0.2f	1.5	-149.8	1.6	G634	61984	GERLK
P 36	40	17.85	119	17.78	3917.0	979807.79	-19.4	0.1f	1.3	-153.0	-1.5	G644	61984	GERLK
P 37	40	18.50	119	18.71	3948.0	979801.81	-23.4	0.0f	1.1	-158.3	-6.9	G634	61984	GERLK
P 38	40	18.65	119	20.21	3927.0	979804.90	-22.5	0.0f	1.0	-156.7	-5.4	G624	61984	GERLK
P 39	40	19.38	119	18.14	4107.0	979799.39	-12.2	0.4f	2.6	-150.9	0.4	G754	62084	GERLK
P 40	40	21.10	119	18.57	4425.0	979782.77	-1.5	0.3f	2.8	-150.9	0.4	G754	62084	GERLK
P 41	40	21.63	119	20.15	4324.5	979788.52	-6.0	0.0f	1.0	-153.8	-2.5	B124	62084	GERLK
P 42	40	22.45	119	20.02	4405.8	979783.45	-4.6	0.1f	1.1	-155.1	-3.7	B124	62084	GERLK
P 43	40	23.47	119	19.94	4530.5	979777.30	-0.6	0.1f	1.3	-155.1	-3.7	B124	62084	GERLK
P 44	40	24.22	119	17.93	5042.0	979752.06	21.2	0.3f	3.7	-148.5	2.8	G754	62084	GERLK
P 45	40	24.26	119	19.96	4597.5	979774.25	1.5	0.1f	1.4	-155.3	-3.8	B124	62084	GERLK
P 46	40	25.28	119	19.96	4673.2	979772.59	5.4	0.0f	1.1	-154.2	-2.8	B124	62084	GERLK
P 47	40	26.74	119	19.99	4601.4	979781.46	5.4	0.1f	1.0	-151.9	-0.3	B124	62084	GERLK
P 48	40	50.21	119	14.31	4081.0	979865.99	6.0	0.1f	0.2	-134.2	20.1	G534	62084	GERLK
P 49	40	58.45	119	9.05	3972.0	979862.41	-20.1	0.0f	1.0	-155.8	-0.5	G534	62084	GERLK
P 50	41	5.17	119	7.03	3969.0	979874.93	-17.9	0.0f	0.9	-153.6	3.7	G533	62584	GERLK

Table 6--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P 51	41	14.53	119	9.83	4203.7	979858.58	-26.2	0.0f	1.6	-169.3	-7.1	B123	62084	GERLK
P 52	41	22.94	119	10.07	4474.0	979856.44	-15.5	0.0f	1.5	-167.9	-2.1	G523	81786	DENIO
P 53	41	21.98	119	2.52	5857.0	979776.66	36.2	0.4f	2.3	-162.8	0.2	G533	62584	GERLK
P 54	40	47.52	119	16.64	4087.4	979854.13	-1.2	0.1f	0.5	-141.4	12.9	N123	62684	GERLK
P 55	41	5.92	119	23.10	5843.0	979746.50	28.7	0.3f	2.0	-170.1	-7.8	G534	62184	GERLK
P 56	41	8.43	119	22.20	5728.1	979752.99	20.6	0.1f	1.2	-175.0	-12.0	N122	62684	GERLK
P 57	41	9.27	119	18.83	5659.0	979758.83	18.7	0.3f	1.5	-174.3	-11.9	G634	62184	GERLK
P 58	41	8.48	119	17.96	5664.0	979755.45	17.0	0.0f	1.5	-176.2	-14.4	G624	62184	GERLK
P 59	41	7.80	119	17.58	5829.0	979742.91	21.0	0.1f	1.8	-177.5	-16.2	G634	62184	GERLK
P 60	41	6.51	119	17.30	6121.0	979726.58	34.0	0.2f	2.7	-173.5	-12.9	G634	62184	GERLK
P 61	41	5.27	119	17.58	6010.0	979735.48	34.3	0.2f	2.7	-169.4	-9.2	G634	62184	GERLK
P 62	41	6.91	119	16.41	6330.0	979720.62	47.1	0.8f	4.3	-166.0	-5.5	G634	62184	GERLK
P 63	41	7.79	119	16.69	6079.0	979732.06	33.7	0.2f	2.7	-172.5	-11.5	G634	62184	GERLK
P 64	41	9.66	119	15.94	6079.0	979734.85	33.6	0.6f	3.2	-172.0	-10.5	G634	62184	GERLK
P 65	41	9.60	119	14.25	7104.0	979670.46	65.7	0.3f	6.2	-171.9	-11.3	G644	62184	GERLK
P 66	41	8.10	119	14.68	7043.0	979674.56	66.3	0.4f	5.4	-170.0	-9.9	G634	62184	GERLK
P 67	41	6.53	119	12.47	5941.0	979752.95	43.5	2.2f	6.1	-154.6	4.6	G644	62184	GERLK
P 68	41	5.16	119	11.94	5755.0	979766.61	41.7	0.7f	4.4	-151.7	6.7	G644	62184	GERLK
P 69	41	5.39	119	10.57	5059.0	979808.93	18.2	1.7f	4.3	-151.5	6.8	G644	62184	GERLK
P 70	41	5.36	119	8.93	4172.0	979864.65	-9.4	0.1f	1.8	-151.1	6.8	Q734	62184	GERLK
P 71	41	9.26	119	21.81	5675.4	979755.24	16.7	0.2f	1.1	-177.3	-14.0	N124	62284	GERLK
P 72	41	9.86	119	21.38	5654.6	979756.45	15.1	0.2f	1.1	-178.1	-14.8	N124	62284	GERLK
P 73	41	10.20	119	20.50	5750.2	979754.59	21.7	0.2f	1.1	-174.8	-11.7	N124	62284	GERLK
P 74	41	10.68	119	19.53	5413.5	979774.57	9.3	1.5f	2.8	-174.0	-10.8	N224	62284	GERLK
P 75	41	11.13	119	18.88	5168.5	979791.16	2.2	1.2f	2.8	-172.7	-9.4	D444	62284	GERLK
P 76	41	12.06	119	19.07	5070.2	979799.70	0.1	0.1f	1.5	-172.8	-9.1	N124	62284	GERLK
P 77	41	12.87	119	18.94	5022.4	979804.09	-1.2	0.1f	1.4	-172.6	-8.6	N123	62284	GERLK
P 78	41	11.95	119	17.40	5279.0	979786.37	6.6	0.1f	1.3	-173.6	-10.5	G634	62284	GERLK
P 79	41	13.37	119	18.26	5000.1	979809.10	0.9	0.1f	1.2	-169.8	-5.8	N124	62284	GERLK
P 80	41	14.32	119	18.32	4985.0	979815.98	5.0	0.1f	1.1	-165.3	-1.0	N224	62284	GERLK
P 81	41	14.92	119	17.93	4952.2	979818.90	3.9	0.1f	1.2	-165.1	-0.7	N224	62284	GERLK
P 82	41	15.50	119	18.22	4941.6	979819.63	2.8	0.4f	1.4	-165.7	-1.0	N124	62284	GERLK
P 83	41	16.77	119	18.33	4912.5	979817.95	-3.5	0.0f	0.9	-171.5	-6.3	B123	81185	GERLK
P 84	41	18.19	119	21.18	5921.0	979753.73	24.9	0.1f	1.3	-177.3	-11.2	G644	62284	GERLK
P 85	41	17.56	119	18.26	4902.8	979819.04	-4.5	0.4f	1.3	-171.9	-6.4	N124	62284	GERLK
P 86	41	18.81	119	16.72	4926.0	979819.75	-3.5	0.9f	2.1	-170.8	-4.8	N123	62284	GERLK
P 87	41	18.36	119	16.76	4912.3	979818.90	-5.0	0.1f	0.8	-173.1	-7.7	B124	62284	GERLK
P 88	41	19.19	119	15.72	4939.0	979822.14	-0.4	0.5f	1.3	-169.0	-3.6	N544	62284	GERLK
P 89	41	18.15	118	55.79	4443.3	979857.20	-10.4	0.1f	1.5	-161.8	-2.2	N123	62584	GERLK
P 90	41	17.46	118	56.08	4412.6	979859.18	-10.3	0.9f	2.5	-159.6	-0.2	N124	62384	GERLK
P 91	41	18.88	118	56.83	4536.0	979853.23	-6.8	1.9f	4.4	-158.4	1.9	G634	62384	GERLK
P 92	41	19.66	118	58.62	4876.0	979833.68	4.5	1.3f	4.8	-158.4	2.5	G654	62384	GERLK
P 93	41	21.10	119	0.85	5585.0	979796.24	31.5	3.3f	6.3	-154.1	8.0	G644	62384	GERLK
P 94	41	15.55	119	1.85	7707.0	979634.51	77.5	3.8f	19.4	-167.5	-8.3	G634	62484	GERLK
P 95	41	15.65	119	5.18	6257.0	979735.99	42.6	6.7f	14.5	-157.9	2.8	G634	62484	GERLK
P 96	41	17.90	119	12.23	4951.0	979816.53	-3.0	1.8f	3.0	-170.3	-6.2	G634	62484	GERLK
P97Q	41	17.50	119	14.20	5050.0	979811.85	2.2	0.3f	1.0	-170.4	-6.0	C874	62484	GERLK
P 98	41	13.49	119	16.31	5547.0	979772.26	15.3	0.2f	1.6	-173.7	-10.5	G634	62484	GERLK
P 99	41	14.20	119	13.78	6215.0	979724.52	29.3	3.8f	8.7	-175.5	-12.9	G644	62484	GERLK
P100	41	12.50	119	12.28	5635.0	979766.70	19.5	1.4f	4.4	-169.8	-8.1	G644	62484	GERLK

Table 6--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN MAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P101	41	11.49	119	14.14	7094.0	979669.64	61.1	1.5f	9.0	-173.4	-12.0	G634	62484	GERLK
P102	41	9.62	119	11.98	6030.0	979732.82	27.1	2.3f	6.5	-173.6	-13.4	G634	62484	GERLK
P103	41	7.93	119	11.11	5705.0	979764.67	30.9	3.2f	7.3	-157.9	1.4	G634	62484	GERLK
P104	41	10.85	119	10.12	5085.0	979798.06	1.7	0.7f	3.5	-169.7	-9.4	G644	62484	GERLK
P105	41	10.97	118	59.01	5568.0	979786.69	35.5	3.9f	8.6	-147.2	9.7	G634	62484	GERLK
P106	41	13.51	118	58.92	4834.0	979832.42	8.4	0.4f	1.8	-156.0	2.2	G644	62484	GERLK
P107	41	18.64	119	7.22	5962.0	979775.69	50.1	2.8f	7.3	-147.5	15.1	G634	62484	GERLK
P108	41	16.52	118	55.89	4436.7	979860.22	-5.6	0.7f	2.0	-156.3	2.6	N124	62484	GERLK
P109	41	15.77	118	56.29	4488.6	979859.00	-0.8	0.2f	1.5	-153.8	4.9	N124	62484	GERLK
P110	41	14.92	118	56.12	4289.9	979864.85	-12.4	0.0f	1.2	-158.8	-0.5	N124	62484	GERLK
P111	41	14.06	118	56.19	4304.9	979866.42	-8.1	0.1f	1.0	-155.3	2.6	N124	62484	GERLK
P112	41	13.26	118	56.66	4320.0	979868.27	-3.6	0.1f	0.8	-151.5	6.2	N124	62484	GERLK
P113	41	12.16	118	56.66	4233.1	979876.12	-2.3	0.1f	0.6	-147.4	9.8	N124	62484	GERLK
P114	41	10.38	118	56.16	4269.8	979878.66	6.3	0.1f	0.4	-140.2	16.1	N124	62484	GERLK
P115	41	8.86	118	55.87	4128.5	979884.50	1.2	0.1f	0.5	-140.4	15.2	B123	62484	GERLK
P116	41	7.57	118	55.34	4001.4	979894.29	0.9	0.3f	0.8	-136.0	19.1	N124	62484	GERLK
P117	41	6.83	118	54.78	3995.9	979890.90	-1.9	0.0f	0.4	-139.0	15.7	N124	62484	GERLK
P118	41	5.38	118	53.63	3948.2	979888.37	-6.7	0.0f	0.3	-142.3	11.8	N124	62484	GERLK
P119	41	3.87	118	54.21	3990.8	979883.15	-5.7	0.0f	0.2	-142.8	11.0	B124	62484	GERLK
P120	41	2.97	118	54.19	3958.2	979885.87	-4.7	0.0f	0.2	-140.7	12.9	B124	62484	GERLK
P121	41	21.27	119	4.44	6515.0	979733.80	56.2	0.8f	3.9	-163.6	-0.7	G634	62584	GERLK
P122	41	19.53	119	4.41	6176.0	979764.31	57.5	0.0f	2.4	-152.3	9.9	G634	62584	GERLK
P123	41	18.00	119	4.01	6614.0	979734.25	70.8	0.4f	4.6	-151.6	9.6	G634	62584	GERLK
P124	41	18.42	119	2.41	6343.0	979750.30	60.8	0.2f	3.2	-153.8	7.3	W644	62584	GERLK
P125	41	18.78	119	4.56	6261.0	979758.34	60.6	0.1f	2.8	-151.7	10.2	W644	62584	GERLK
P126	41	24.82	119	4.15	5234.0	979806.49	3.2	1.6f	4.1	-172.6	-7.8	C743	81786	DENIO
P127	41	24.07	119	6.98	4973.0	979828.52	1.8	0.6f	2.6	-166.6	-1.3	G634	62584	GERLK
P128	41	26.53	119	9.76	5811.0	979768.90	17.3	0.5f	2.8	-179.6	-13.0	G534	62584	GERLK
P129	41	27.22	119	10.20	6102.0	979748.44	23.1	0.2f	2.6	-183.9	-17.0	G634	62584	GERLK
P130	41	28.32	119	12.19	5638.0	979774.14	3.6	0.2f	1.2	-189.0	-21.2	G634	62584	GERLK
P131	41	28.12	119	13.43	5794.0	979760.06	4.5	0.5f	1.4	-193.3	-25.5	G634	62584	GERLK
P132	41	9.47	119	7.95	4035.5	979862.87	-30.1	0.0f	1.4	-167.6	-8.2	B124	62584	GERLK
P133	41	3.71	119	7.44	3973.0	979873.64	-16.6	0.0f	1.0	-152.4	4.5	G534	62584	GERLK
P134	41	9.67	119	23.29	5844.2	979747.48	24.2	0.1f	1.1	-175.5	-11.8	B124	62684	GERLK
P135	41	10.16	119	24.50	6018.2	979737.56	29.9	0.1f	1.1	-175.7	-11.7	B124	62684	GERLK
P136	41	11.29	119	25.71	5607.0	979764.89	16.9	0.4f	1.3	-174.5	-9.6	N324	62684	GERLK
P137	41	11.98	119	26.32	5596.6	979764.62	14.6	0.1f	0.8	-177.0	-11.7	N124	62684	GERLK
P138	41	12.51	119	27.35	5429.1	979774.21	7.7	0.1f	0.7	-178.3	-12.5	B124	62684	GERLK
P139	41	13.15	119	28.79	5301.6	979776.70	-2.8	0.0f	0.6	-184.5	-18.4	N123	81385	GERLK
P140	41	10.52	119	31.04	5381.6	979768.80	0.8	0.1f	0.6	-183.6	-17.9	B124	62684	GERLK
P141	41	9.12	119	31.35	5439.4	979760.20	-0.3	0.1f	0.7	-186.6	-21.2	B124	62684	GERLK
P142	41	7.59	119	31.57	5506.2	979754.87	2.9	0.0f	0.7	-185.6	-20.7	N124	62684	GERLK
P143	41	6.91	119	32.32	5546.4	979749.07	1.9	0.1f	0.8	-187.9	-23.1	N124	62684	GERLK
P144	41	5.99	119	40.53	6084.8	979711.49	16.3	0.1f	0.9	-191.8	-26.5	N123	82685	GERLK
P149	41	13.11	119	39.89	6476.0	979705.82	36.8	0.2f	1.9	-183.8	-16.9	G634	62684	GERLK
P150	41	14.36	119	39.84	5863.0	979748.10	19.6	0.1f	0.9	-181.0	-13.6	G634	62684	GERLK
P151	41	14.51	119	43.11	5821.0	979752.37	19.7	0.0f	0.6	-179.8	-12.2	G634	62684	GERLK
P152	41	13.70	119	44.81	5901.0	979741.94	18.0	0.1f	0.7	-184.1	-16.7	G634	62684	GERLK
P153	41	12.19	119	46.81	5243.0	979778.49	-5.1	0.1f	1.5	-183.8	-16.5	G634	62684	GERLK
P154	41	10.38	119	50.16	5121.0	979784.75	-7.6	0.1f	1.3	-182.4	-15.4	G644	62684	GERLK

Table 6--(continued)

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P155	41	7.80	119	53.02	4918.0	979794.41	-13.1	0.1f	1.4	-180.9	-14.3	G634	62684	GERLK
P156	41	7.27	119	54.62	4867.0	979799.44	-12.1	0.1f	1.3	-178.2	-11.6	G644	62684	GERLK
P157	41	5.70	119	56.29	4785.0	979807.13	-9.8	0.1f	1.8	-172.6	-6.2	G634	62684	GERLK
P158	41	5.05	119	53.47	4699.0	979805.98	-18.0	0.0f	0.7	-179.0	-12.7	G633	62684	GERLK
P159	41	5.16	119	52.16	4812.0	979798.92	-14.6	0.0f	0.6	-179.5	-13.3	G534	62684	GERLK
P160	41	4.72	119	51.08	4866.0	979792.22	-15.6	0.0f	0.6	-182.4	-16.4	G534	62684	GERLK
P161	40	44.26	119	10.63	3967.0	979848.56	-13.2	0.0f	0.3	-149.5	3.5	N124	62784	GERLK
P162	40	52.43	118	44.16	4039.0	979848.50	-18.7	0.0f	0.2	-157.6	-4.9	B123	62984	WINNA
P163	40	55.00	118	22.81	4163.0	979848.51	-10.9	0.0f	0.1	-154.1	0.1	G533	71284	WINNA
P164	40	58.63	117	44.74	4340.6	979829.20	-18.9	0.1f	0.8	-167.5	-6.6	G533	101484	WINNA
P165	40	56.89	117	59.40	4261.8	979839.61	-13.3	0.0f	0.1	-159.9	-2.4	G534	62784	WINNA
P166	40	57.69	117	59.84	4383.2	979839.31	-3.4	0.0f	0.2	-154.1	3.2	G534	102784	WINNA
P167	40	59.58	118	0.93	4750.7	979831.78	20.8	0.4f	0.8	-141.8	14.9	Q744	62784	WINNA
P168	41	0.12	118	3.12	5177.2	979806.44	34.7	0.1f	1.4	-141.9	14.2	G434	62784	WINNA
P169	41	1.34	118	2.41	4731.0	979837.00	21.5	0.1f	0.5	-140.7	15.5	G434	62784	WINNA
P170	41	2.01	118	0.56	4652.2	979842.48	18.6	0.1f	0.3	-141.1	15.5	Q734	62784	WINNA
P171	41	2.33	117	59.09	4678.5	979833.86	12.0	0.1f	0.3	-148.7	8.3	G434	62784	WINNA
P172	41	2.02	117	56.59	4383.2	979850.66	1.5	0.1f	0.2	-149.1	8.5	G534	62784	WINNA
P173	40	53.59	118	27.65	4345.0	979846.01	5.8	0.1f	0.5	-143.2	10.7	G534	62884	WINNA
P174	40	56.39	118	29.89	4671.0	979830.74	17.0	0.0f	0.2	-143.4	10.2	G634	62884	WINNA
P175	40	57.98	118	30.84	4753.9	979826.62	18.3	0.1f	0.5	-144.7	8.7	G534	62884	WINNA
P176	41	0.65	118	32.37	5299.0	979800.57	39.5	0.2f	1.0	-141.6	11.6	G634	62884	WINNA
P177	41	1.74	118	33.16	5550.0	979793.07	54.0	0.1f	1.3	-135.5	17.7	G634	62884	WINNA
P178	41	3.06	118	33.35	5256.0	979812.78	44.1	0.2f	1.1	-135.5	17.9	G644	62884	WINNA
P179	41	4.69	118	32.97	5169.0	979824.57	45.3	0.1f	0.9	-131.5	22.0	G644	62884	WINNA
P180	41	5.55	118	31.84	5297.0	979814.99	46.4	0.1f	1.2	-134.5	19.2	G644	62884	WINNA
P181	41	6.31	118	33.58	5758.0	979789.98	63.6	0.4f	3.3	-130.9	22.6	G644	62884	WINNA
P182	41	5.03	118	35.10	4888.0	979838.55	32.3	0.1f	1.0	-134.8	18.7	G634	62884	WINNA
P183	41	6.65	118	35.29	4860.0	979843.05	31.8	0.1f	1.7	-133.6	20.1	G634	62884	WINNA
P184	41	8.29	118	35.59	5024.0	979836.92	38.6	0.5f	3.4	-130.8	23.2	G634	62884	WINNA
P185	41	9.04	118	37.17	4254.0	979871.91	0.1	0.1f	1.7	-144.6	9.7	G634	62884	WINNA
P186	41	9.04	118	39.07	3962.0	979870.81	-28.4	0.0f	0.7	-164.1	-9.8	G633	62984	WINNA
P187	41	7.64	118	39.45	3988.0	979866.68	-28.0	0.0f	0.5	-164.8	-10.9	G634	62884	WINNA
P188	41	6.43	118	39.98	3983.0	979868.84	-24.5	0.0f	0.4	-161.3	-7.5	G654	62884	WINNA
P189	41	5.38	118	41.05	4011.2	979868.63	-20.5	0.0f	0.2	-158.4	-4.9	N124	62884	WINNA
P190	41	4.76	118	38.57	4259.0	979858.13	-6.8	0.0f	0.6	-152.8	0.7	G634	62884	WINNA
P191	41	3.89	118	42.49	4033.7	979869.59	-15.2	0.1f	0.2	-153.9	-0.6	N124	62884	WINNA
P192	41	2.37	118	43.33	4042.3	979869.15	-12.6	0.1f	0.1	-151.6	1.4	N124	62884	WINNA
P193	41	0.75	118	42.94	4053.8	979872.54	-5.7	0.0f	0.1	-145.1	7.7	N124	62884	WINNA
P194	41	10.99	118	38.38	4002.6	979872.66	-25.7	0.0f	1.1	-162.3	-7.7	V123	71284	WINNA
P195	40	58.82	118	23.00	4165.0	979862.11	-2.8	0.0f	0.2	-146.0	8.1	G534	71184	WINNA
P196	41	0.02	118	23.34	4176.5	979865.16	-0.5	0.0f	0.2	-144.0	10.0	N124	71184	WINNA
P197	41	1.74	118	23.86	4207.1	979868.30	3.0	0.0f	0.2	-141.6	12.4	N124	71184	WINNA
P198	41	3.39	118	24.43	4319.2	979861.53	4.3	0.1f	0.2	-144.1	9.9	N124	71184	WINNA
P199	41	5.04	118	24.91	4284.8	979857.06	-5.9	0.0f	0.2	-153.1	1.0	N124	71184	WINNA
P200	41	6.68	118	24.82	4194.4	979856.91	-17.0	0.0f	0.2	-161.1	-6.8	N124	71184	WINNA
P201	41	8.30	118	24.79	4182.8	979856.10	-21.3	0.0f	0.3	-165.0	-10.5	N124	71284	WINNA
P202	41	10.64	118	26.54	4303.0	979851.84	-17.8	0.0f	0.8	-165.0	-10.3	G634	71184	WINNA
P203	41	11.78	118	27.27	4470.0	979847.09	-8.5	0.0f	1.3	-161.0	-6.0	G633	71284	WINNA
P204	41	11.15	118	28.65	4611.0	979837.80	-3.6	0.1f	1.5	-160.7	-5.9	G634	71184	WINNA

Table 6--(continued)

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P205	41	9.84	118	25.05	4206.2	979859.77	-17.7	0.0f	0.5	-162.0	-7.3	N124	71184	WINNA
P206	41	11.30	118	22.94	4166.6	979870.01	-13.4	0.0f	0.7	-156.1	-1.1	N124	71184	WINNA
P207	41	12.48	118	21.44	4196.3	979870.64	-11.7	0.0f	1.0	-155.1	0.0	N124	71184	WINNA
P208	41	13.96	118	19.54	4198.7	979878.15	-6.2	0.1f	1.1	-149.6	5.8	N124	71184	WINNA
P209	41	15.18	118	18.41	4208.0	979879.08	-6.2	0.0f	1.0	-150.0	5.6	G644	71184	WINNA
P210	41	16.56	118	17.73	4182.0	979889.53	-0.3	0.0f	1.1	-143.1	12.7	G634	71184	WINNA
P211	41	19.30	118	15.77	4188.0	979891.90	-1.5	0.0f	0.5	-145.1	11.1	G634	71184	WINNA
P212	41	21.64	118	15.56	4195.0	979890.64	-5.6	0.0f	0.5	-149.5	7.1	G634	71184	WINNA
P213	41	8.42	118	32.81	6070.0	979773.77	73.6	1.4f	6.2	-128.7	25.1	G644	71284	WINNA
P214	41	8.23	118	30.94	5088.0	979829.65	37.5	0.8f	2.5	-135.0	19.1	G634	71284	WINNA
P215	41	8.44	118	29.52	4607.0	979846.61	8.9	0.1f	1.1	-148.5	5.8	G754	71284	WINNA
P216	41	8.26	118	28.67	4439.0	979848.50	-4.8	0.1f	0.8	-156.7	-2.3	G754	71284	WINNA
P217	41	8.18	118	27.05	4248.0	979851.84	-19.2	0.0f	0.5	-164.9	-10.5	G634	71284	WINNA
P218	41	7.89	118	26.02	4206.0	979851.52	-23.1	0.0f	0.3	-167.5	-13.1	G624	71284	WINNA
P219	41	13.06	118	28.17	4771.0	979828.64	-0.6	0.1f	2.0	-162.7	-7.7	G634	71284	WINNA
P220	41	14.24	118	28.40	5052.0	979815.75	11.2	0.1f	2.5	-160.0	-4.8	G754	71284	WINNA
P221	41	17.32	118	27.52	6038.0	979771.88	55.4	0.5f	4.3	-147.8	7.8	G634	71284	WINNA
P222	41	18.56	118	29.42	5054.0	979835.68	24.8	1.2f	6.8	-142.1	13.9	G634	71284	WINNA
P223	41	21.60	118	31.91	4056.4	979895.25	-13.9	0.1f	2.9	-150.6	6.4	N124	71284	WINNA
P224	41	19.98	118	33.02	4014.4	979894.50	-16.2	0.1f	2.2	-152.2	4.5	D224	71284	WINNA
P225	41	18.30	118	33.17	4027.5	979900.93	-6.0	0.1f	3.0	-141.6	14.7	N124	71284	WINNA
P226	41	16.70	118	34.09	4006.1	979893.61	-12.9	0.0f	3.4	-147.4	8.5	N124	71284	WINNA
P227	41	14.56	118	36.15	3998.0	979892.84	-11.3	0.1f	3.2	-145.7	9.8	G644	71284	WINNA
P228	41	13.37	118	36.96	4007.7	979891.33	-10.1	0.0f	2.6	-145.4	9.8	N124	71284	WINNA
P229	41	57.10	118	37.49	4218.0	979925.52	-21.6	0.0f	0.9	-165.9	-1.3	G632	101684	DENIO
P282	41	33.43	119	59.87	4863.8	979833.71	-17.3	0.1f	1.3	-183.3	-16.9	V224	8 785	CH 15
P283	41	36.44	119	57.42	5724.0	979786.40	11.8	0.1f	1.1	-183.8	-17.2	G634	8 785	CH 15
P284	41	36.28	119	56.38	5759.0	979787.50	16.4	0.3f	1.7	-179.8	-13.1	G644	8 785	CH 15
P285	41	34.87	119	52.39	5960.8	979774.39	24.4	0.2f	1.6	-178.9	-11.3	N224	8 785	CH 15
P286	41	35.02	119	50.90	5541.0	979793.87	4.2	0.0f	0.8	-185.5	-17.4	D342	82785	CH 15
P287	41	35.42	119	37.77	5680.6	979790.33	13.1	0.0f	0.4	-181.6	-11.6	N124	8 785	CH 15
P288	41	37.25	119	33.81	5716.0	979790.20	13.6	0.0f	0.5	-182.3	-11.8	G644	8 785	CH 15
P289	41	38.71	119	32.61	5773.0	979785.64	12.2	0.0f	0.6	-185.6	-14.9	G634	8 785	CH 15
P290	41	38.85	119	35.10	5628.0	979795.08	7.8	0.1f	0.6	-185.0	-14.5	G644	8 785	CH 15
P291	41	40.10	119	34.59	5624.0	979794.76	5.3	0.0f	0.5	-187.5	-17.0	G644	8 785	CH 15
P292	41	41.48	119	34.55	5624.0	979801.91	10.3	0.0f	0.6	-182.4	-11.7	G633	8 785	CH 15
P293	41	42.87	119	34.38	5707.0	979796.26	10.4	0.1f	0.5	-185.2	-14.6	G634	8 785	CH 15
P294	41	42.19	119	35.30	5633.0	979801.03	9.2	0.2f	0.7	-183.7	-13.1	G634	8 785	CH 15
P295	41	42.03	119	36.52	5827.0	979780.54	7.2	0.1f	0.5	-192.5	-22.1	G644	8 785	CH 15
P296	41	37.18	119	36.97	5622.0	979798.06	12.7	0.0f	0.4	-180.1	-9.9	G644	8 785	CH 15
P297	41	31.92	119	29.81	6029.0	979758.77	19.6	0.1f	0.8	-186.8	-16.8	G633	8 885	CH 15
P298	41	29.89	119	28.70	5899.0	979762.26	13.9	0.3f	1.1	-187.7	-18.0	G534	8 885	CH 15
P299	41	28.89	119	28.50	5595.2	979776.98	1.5	0.1f	0.7	-190.0	-20.4	B123	81085	CH 15
P300	41	28.41	119	27.05	5507.5	979781.55	-1.4	0.1f	0.6	-190.1	-20.6	N124	8 885	CH 15
P301	41	27.56	119	26.37	5453.0	979781.86	-4.9	0.2f	0.7	-191.6	-22.3	B123	81085	CH 15
P302	41	26.21	119	25.78	5326.8	979783.45	-13.2	1.9f	2.8	-193.5	-24.4	N224	8 885	CH 15
P303	41	24.97	119	25.36	5202.5	979790.96	-15.5	1.9f	3.3	-191.1	-22.4	N224	8 885	CH 15
P304	41	23.56	119	24.82	5157.2	979796.67	-11.9	1.2f	2.7	-186.6	-18.1	N224	8 885	CH 15
P305	41	22.03	119	23.46	5075.7	979797.85	-16.1	2.1f	3.6	-187.0	-19.2	N124	8 885	CH 15
P306	41	21.16	119	21.73	5008.9	979805.84	-13.1	1.9f	3.6	-181.8	-14.4	N224	8 885	CH 15

Table 6--(continued)

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P307	41	19.89	119	20.36	4952.0	979814.00	-8.4	3.6f	5.9	-172.9	-6.2	D444	8 885	CH 15
P308	41	36.07	119	33.88	5759.9	979785.26	14.6	0.0f	0.4	-182.9	-12.5	B124	8 985	CH 15
P309	41	36.07	119	31.93	5813.0	979781.45	15.7	0.1f	0.6	-183.4	-12.9	D333	81685	CH 15
P310	41	34.72	119	31.88	5936.0	979769.97	17.8	0.1f	0.6	-185.5	-15.3	G634	8 985	CH 15
P311	41	33.67	119	29.36	6399.0	979741.16	34.1	0.1f	1.0	-184.6	-14.5	G634	8 985	CH 15
P312	41	32.30	119	27.88	6370.0	979739.59	31.9	0.4f	1.7	-185.2	-15.3	G634	8 985	CH 15
P313	41	30.57	119	26.48	5682.1	979774.64	4.9	0.1f	0.6	-189.8	-19.9	N124	8 985	CH 15
P314	41	30.66	119	25.31	5527.2	979783.79	-0.7	0.1f	0.6	-190.0	-20.1	N124	8 985	CH 15
P315	41	30.12	119	24.56	5505.3	979779.13	-6.6	0.0f	0.5	-195.4	-25.6	N124	8 985	CH 15
P316	41	30.07	119	23.44	5486.2	979780.71	-6.7	0.0f	0.4	-194.9	-25.2	N124	8 985	CH 15
P317	41	30.62	119	22.67	5494.5	979778.17	-9.3	0.1f	0.5	-197.6	-27.9	N124	8 985	CH 15
P318	41	30.80	119	21.71	5516.9	979775.38	-10.3	0.0f	0.5	-199.4	-29.7	N124	8 985	CH 15
P319	41	31.98	119	20.90	5474.5	979781.68	-9.7	0.0f	0.6	-197.3	-27.4	N124	8 985	CH 15
P320	41	32.08	119	19.32	5567.0	979776.29	-6.6	0.0f	0.6	-197.3	-27.5	G634	8 985	CH 15
P321	41	30.76	119	18.38	5614.0	979770.85	-5.6	0.0f	0.6	-197.9	-28.6	G633	8 985	CH 15
P322	41	29.38	119	18.00	5693.0	979762.89	-4.1	0.1f	0.8	-199.0	-30.1	G634	8 985	CH 15
P323	41	27.91	119	17.81	5765.0	979761.17	3.2	0.1f	0.7	-194.2	-25.8	G634	8 985	CH 15
P324	41	26.41	119	16.89	5954.0	979745.63	7.6	0.3f	1.2	-195.7	-27.9	G634	8 985	CH 15
P325	41	37.56	119	30.45	5892.0	979779.86	19.3	0.1f	0.6	-182.5	-11.8	G634	8 985	CH 15
P326	41	27.63	119	24.85	5424.0	979781.82	-7.8	0.1f	0.6	-193.7	-24.4	G634	81085	CH 15
P327	41	27.10	119	23.00	5344.0	979784.73	-11.6	0.2f	0.9	-194.5	-25.5	G644	81085	CH 15
P328	41	27.82	119	23.79	5347.0	979785.64	-11.5	0.0f	0.6	-194.8	-25.5	G634	81085	CH 15
P329	41	31.98	119	32.35	6210.2	979740.98	18.7	0.1f	0.8	-193.8	-23.8	N224	81085	CH 15
P330	41	30.18	119	30.98	5904.8	979760.84	12.6	0.4f	1.3	-189.0	-19.2	N224	81085	CH 15
P331	41	28.91	119	33.08	6187.0	979739.43	19.6	0.1f	0.9	-192.1	-22.5	G634	81085	CH 15
P332	41	27.17	119	34.78	6011.0	979748.06	14.3	0.2f	0.9	-191.3	-21.9	G644	81085	CH 15
P333	41	27.11	119	33.22	5808.6	979763.64	10.9	0.1f	0.7	-188.0	-18.5	N124	81085	CH 15
P334	41	23.09	119	40.07	5686.0	979766.79	8.6	0.0f	0.5	-186.4	-17.5	N124	81085	CH 15
P335	41	24.39	119	41.63	5704.9	979769.70	11.3	0.1f	0.5	-184.3	-15.3	N123	82685	CH 15
P336	41	23.87	119	32.00	5811.0	979762.15	14.5	0.0f	0.5	-184.7	-15.8	G633	81285	CH 15
P337	41	23.83	119	30.10	5741.0	979763.68	9.5	0.1f	0.5	-187.3	-18.5	G634	81185	CH 15
P338	41	24.01	119	29.00	5792.0	979761.83	12.2	0.2f	0.7	-186.2	-17.5	G634	81185	CH 15
P339	41	24.16	119	27.66	5801.0	979759.37	10.4	0.1f	0.6	-188.4	-19.7	G634	81185	CH 15
P340	41	23.58	119	26.61	5498.0	979774.62	-2.0	0.2f	0.9	-190.1	-21.6	G634	81185	CH 15
P341	41	22.98	119	26.95	5449.0	979777.81	-2.5	0.5f	1.3	-188.6	-20.1	G634	81185	CH 15
P342	41	21.32	119	26.11	5842.0	979753.40	12.5	0.5f	1.2	-187.1	-19.3	G644	81185	CH 15
P343	41	20.03	119	26.48	5844.0	979757.63	18.8	0.0f	0.6	-181.3	-13.9	G644	81185	CH 15
P344	41	19.78	119	24.65	5851.0	979756.93	19.2	0.5f	1.3	-180.6	-13.5	G644	81185	CH 15
P345	41	19.43	119	22.99	5638.0	979770.53	13.3	0.3f	0.9	-179.6	-12.8	G644	81185	CH 15
P346	41	16.92	119	22.47	5786.0	979762.49	22.9	0.1f	0.9	-175.1	-9.2	G644	81185	CH 15
P347	41	20.96	119	17.42	5702.0	979769.11	15.6	0.0f	1.4	-178.9	-12.7	G644	81185	CH 15
P348	41	22.85	119	30.47	5801.0	979761.76	14.7	0.1f	0.6	-184.0	-15.5	G634	81285	CH 15
P349	41	22.00	119	29.79	5757.0	979759.69	9.8	0.5f	1.0	-187.0	-18.6	G644	81285	CH 15
P350	41	20.61	119	30.45	5819.0	979759.49	17.5	0.2f	0.9	-181.6	-13.4	Q734	81285	CH 15
P351	41	19.16	119	30.27	6131.0	979734.12	23.6	0.2f	1.0	-186.0	-18.4	G644	81285	CH 15
P352	41	18.96	119	28.33	6194.0	979736.01	31.7	0.1f	1.0	-180.0	-12.7	G644	81285	CH 15
P353	41	18.48	119	26.56	5949.0	979749.53	22.9	0.3f	1.0	-180.4	-13.4	G644	81285	CH 15
P354	41	16.95	119	25.54	6233.0	979732.29	34.7	0.5f	2.0	-177.4	-11.1	G644	81285	CH 15
P355	41	17.47	119	30.30	6062.0	979742.58	28.1	0.1f	1.0	-179.2	-11.9	G634	81285	CH 15
P356	41	17.90	119	32.43	6545.0	979708.20	38.5	0.1f	1.7	-184.6	-17.2	G634	81285	CH 15

Table 6--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P357	41	16.38	119	30.46	5802.0	979758.65	21.4	0.2f	1.1	-176.9	-9.8	G634	81285	CH 15
P358	41	15.39	119	29.64	5422.0	979782.22	10.7	0.2f	1.0	-174.7	-7.8	G644	81285	CH 15
P359	41	14.53	119	28.50	5294.0	979785.18	2.9	0.1f	0.6	-178.4	-11.9	G634	81285	CH 15
P360	41	21.31	119	36.48	5815.6	979756.88	13.5	0.0f	0.6	-185.8	-17.2	B123	81785	CH 15
P361	41	14.82	119	32.25	5495.5	979773.57	9.8	0.0f	0.6	-178.4	-11.4	N124	81385	CH 15
P362	41	14.17	119	31.22	5383.7	979774.49	1.2	0.0f	0.6	-183.3	-16.5	B124	81385	CH 15
P363	41	13.83	119	29.95	5338.3	979775.36	-1.7	0.0f	0.5	-184.7	-18.2	B124	81385	CH 15
P364	41	12.39	119	23.91	6224.0	979727.94	36.3	0.1f	1.5	-176.1	-11.4	G654	81385	CH 15
P365	41	13.03	119	23.42	6035.0	979740.35	30.0	0.3f	1.3	-176.1	-11.2	G644	81385	CH 15
P366	41	13.85	119	27.00	5374.0	979779.00	5.3	0.2f	0.7	-178.7	-12.7	G644	81385	CH 15
P367	41	14.92	119	26.02	5260.0	979790.52	4.5	0.1f	1.0	-175.4	-9.1	W644	81385	CH 15
P368	41	19.59	119	32.38	6010.0	979740.48	17.9	0.1f	0.9	-187.7	-19.7	G634	81385	CH 15
P369	41	19.92	119	33.58	5884.0	979750.56	15.7	0.1f	0.7	-185.8	-17.6	G644	81385	CH 15
P370	41	36.36	119	38.28	5616.0	979795.41	10.8	0.0f	0.4	-181.9	-11.8	G634	81485	CH 15
P371	41	38.47	119	38.85	5625.0	979793.93	7.0	0.0f	0.4	-185.9	-15.9	G643	81485	CH 15
P372	41	38.96	119	40.85	5892.0	979780.47	17.9	0.0f	0.5	-184.1	-14.3	G654	81485	CH 15
P373	41	35.95	119	42.56	5683.0	979790.35	12.6	0.0f	0.4	-182.3	-12.8	G634	81485	CH 15
P374	41	37.00	119	41.06	5615.0	979793.29	7.6	0.1f	0.5	-184.9	-15.1	W644	81485	CH 15
P375	41	36.72	119	43.89	5648.0	979792.53	10.3	0.0f	0.4	-183.4	-14.0	G634	81485	CH 15
P376	41	38.26	119	46.02	5576.0	979798.12	6.9	0.1f	0.6	-184.2	-15.2	G634	81485	CH 15
P377	41	39.31	119	48.64	5526.2	979802.99	5.5	0.0f	0.4	-184.1	-15.5	N124	81485	CH 15
P378	41	38.68	119	49.77	5525.0	979802.81	6.1	0.0f	0.4	-183.4	-15.0	D344	81485	CH 15
P379	41	38.02	119	50.92	5546.3	979802.10	8.4	0.0f	0.5	-181.7	-13.6	N344	81485	CH 15
P380	41	38.01	119	52.07	5613.0	979795.21	7.8	0.0f	0.8	-184.3	-16.5	D344	81485	CH 15
P381	41	36.50	119	52.05	5574.0	979798.35	9.5	0.1f	1.1	-180.9	-13.1	D444	81485	CH 15
P382	41	39.62	119	44.61	5983.0	979773.86	18.8	0.3f	0.9	-185.8	-16.6	G644	81585	CH 15
P383	41	40.20	119	42.77	6097.0	979766.23	21.0	0.2f	0.9	-187.6	-18.2	G634	81585	CH 15
P384	41	41.08	119	42.90	6356.0	979747.45	25.5	0.0f	1.1	-191.8	-22.5	G634	81585	CH 15
P385	41	40.04	119	47.96	5524.8	979803.98	5.2	0.0f	0.4	-184.2	-15.5	N124	81585	CH 15
P386	41	40.89	119	47.38	5523.9	979803.86	3.8	0.0f	0.6	-185.6	-16.8	N123	81585	CH 15
P387	41	41.75	119	46.78	5526.4	979805.52	4.4	0.2f	1.1	-184.4	-15.5	N124	81585	CH 15
P388	41	42.53	119	46.04	5533.7	979804.58	3.0	0.7f	2.0	-185.3	-16.2	N124	81585	CH 15
P389	41	43.86	119	46.82	5531.0	979806.50	2.6	0.0f	0.5	-187.0	-18.2	C734	81585	CH 15
P390	41	43.26	119	44.98	5589.3	979799.62	2.1	0.2f	1.4	-188.6	-19.4	N124	81585	CH 15
P391	41	44.65	119	43.11	5528.8	979804.66	-0.6	0.2f	1.7	-188.9	-19.4	N124	81585	CH 15
P392	41	45.49	119	42.46	5536.3	979807.88	2.1	0.2f	1.7	-186.6	-17.0	N234	81585	CH 15
P393	41	46.22	119	41.39	5529.9	979810.77	3.3	0.3f	2.2	-184.7	-15.0	N124	81585	CH 15
P394	41	47.18	119	40.76	5530.0	979813.64	4.7	0.0f	1.4	-184.0	-14.2	N124	81585	CH 15
P395	41	48.20	119	40.44	5584.2	979814.48	9.1	0.0f	1.3	-181.5	-11.8	N124	81585	CH 15
P396	41	47.18	119	43.80	5546.0	979813.81	6.4	0.1f	0.6	-183.6	-14.4	G634	81585	CH 15
P397	41	46.44	119	44.48	5543.0	979813.59	7.0	0.0f	0.5	-183.0	-13.8	G634	81585	CH 15
P398	41	45.53	119	45.46	5532.0	979811.52	5.2	0.0f	0.5	-184.4	-15.4	G644	81585	CH 15
P399	41	45.56	119	46.61	5578.0	979809.18	7.2	0.1f	0.5	-184.1	-15.2	G644	81585	CH 15
P400	41	45.60	119	49.38	5524.0	979811.41	4.3	0.0f	0.4	-185.2	-16.8	G634	81585	CH 15
P401	41	46.20	119	51.40	5534.0	979812.64	5.5	0.1f	1.2	-183.5	-15.6	F534	81585	CH 15
P402	41	45.11	119	52.04	5545.7	979808.72	4.3	0.1f	1.0	-185.3	-17.5	B123	82785	CH 15
P403	41	43.38	119	52.05	5530.4	979805.97	2.8	0.0f	0.6	-186.7	-18.9	N124	81585	CH 15
P404	41	41.59	119	52.04	5532.0	979803.46	3.1	0.0f	0.6	-186.5	-18.6	D344	81585	CH 15
P405	41	39.77	119	52.05	5528.0	979800.34	2.3	0.0f	0.7	-187.0	-19.1	D334	81585	CH 15
P406	41	34.98	119	49.32	5538.7	979794.12	4.3	0.0f	0.5	-185.6	-17.3	B124	81685	CH 15

Table 6—(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P407	41	34.98	119	47.00	5564.7	979798.49	11.1	0.0f	0.4	-179.8	-11.0	B124	81685	CH 15
P408	41	34.93	119	44.57	5586.2	979795.18	9.9	0.0f	0.3	-181.8	-12.6	D344	81685	CH 15
P409	41	34.91	119	42.18	5661.9	979791.47	13.3	0.0f	0.4	-180.8	-11.3	B124	81685	CH 15
P410	41	35.03	119	39.96	5754.7	979784.68	15.1	0.1f	0.5	-182.2	-12.4	B124	81685	CH 15
P411	41	35.99	119	35.79	5701.2	979788.18	12.1	0.0f	0.4	-183.4	-13.1	B122	81885	CH 15
P412	41	35.53	119	28.90	6215.0	979756.40	29.3	0.1f	0.9	-183.4	-12.9	G634	81685	CH 15
P413	41	32.89	119	33.41	6037.3	979756.49	16.6	0.1f	0.8	-190.0	-19.9	B124	81685	CH 15
P414	41	33.75	119	35.17	5885.1	979769.82	14.4	0.1f	0.7	-187.1	-17.0	N124	81685	CH 15
P415	41	34.28	119	36.63	5860.2	979776.72	18.1	0.0f	0.6	-182.6	-12.6	N124	81685	CH 15
P416	41	30.81	119	36.59	6478.0	979724.33	29.0	0.4f	1.6	-191.8	-22.3	G634	81685	CH 15
P417	41	32.14	119	37.98	6358.0	979738.49	29.9	0.9f	2.2	-186.3	-16.7	G634	81685	CH 15
P418	41	32.92	119	38.05	6286.0	979745.09	28.5	0.2f	1.3	-186.1	-16.4	G634	81685	CH 15
P419	41	17.83	119	28.35	6979.0	979679.26	50.4	2.3f	7.6	-181.5	-14.7	V324	81785	CH 15
P420	41	14.09	119	23.91	6419.0	979714.55	38.7	0.8f	3.8	-178.0	-12.9	G644	81785	CH 15
P421	41	15.69	119	23.02	5928.0	979749.76	25.4	2.3f	3.4	-174.9	-9.3	G644	81785	CH 15
P422	41	16.53	119	20.66	5767.0	979764.17	23.4	0.4f	1.6	-173.2	-7.8	G644	81785	CH 15
P423	41	15.36	119	20.50	5993.0	979745.84	28.0	1.7f	3.9	-173.9	-9.0	G644	81785	CH 15
P424	41	13.68	119	21.81	5753.0	979759.92	22.1	0.1f	1.0	-174.7	-10.0	G644	81785	CH 15
P425	41	12.31	119	20.79	6472.0	979708.61	40.4	1.5f	6.5	-175.4	-11.6	G634	81785	CH 15
P426	41	11.48	119	21.92	6327.0	979717.46	36.8	2.3f	4.7	-175.8	-12.0	G644	81785	CH 15
P427	41	19.30	119	21.36	6004.0	979747.46	24.8	0.4f	2.2	-179.3	-12.9	G644	81785	CH 15
P428	41	21.12	119	24.12	5746.0	979759.72	10.1	0.1f	0.8	-186.6	-19.1	G654	81785	CH 15
P429	41	22.20	119	18.67	6609.0	979701.14	31.0	0.6f	4.3	-191.6	-25.1	V324	81785	CH 15
P430	41	21.33	119	19.83	6034.0	979742.55	19.7	0.5f	2.2	-185.5	-18.8	G644	81785	CH 15
P431	41	23.78	119	36.76	6832.0	979686.41	34.8	1.3f	5.2	-194.5	-25.9	V324	81785	CH 15
P432	41	26.35	119	30.83	6025.0	979751.13	19.9	0.0f	0.8	-186.4	-17.1	G654	81785	CH 15
P433	41	25.59	119	28.76	5655.0	979769.41	4.5	0.1f	0.5	-189.3	-20.3	G634	81785	CH 15
P434	41	26.99	119	28.89	5722.0	979766.23	5.6	0.0f	0.4	-190.6	-21.3	G644	81785	CH 15
P435	41	25.82	119	23.86	5361.0	979778.65	-14.2	0.8f	1.5	-197.0	-28.2	G644	81785	CH 15
P436	41	24.46	119	22.75	5751.0	979752.45	-1.7	1.7f	2.4	-196.9	-28.8	G644	81785	CH 15
P437	41	23.82	119	20.17	6167.0	979727.81	13.7	0.1f	1.2	-196.9	-29.5	G644	81785	CH 15
P438	41	23.91	119	17.08	6260.0	979723.33	17.8	0.7f	2.4	-194.8	-27.8	G644	81785	CH 15
P439	41	22.42	119	15.88	5762.0	979763.47	13.4	1.7f	3.8	-180.8	-14.5	G644	81785	CH 15
P440	41	24.80	119	18.84	5941.0	979744.59	7.8	0.2f	1.0	-195.3	-27.7	G644	81785	CH 15
P441	41	26.69	119	19.07	5798.0	979754.93	1.9	0.2f	0.8	-196.6	-28.3	G644	81785	CH 15
P442	41	26.18	119	21.12	5651.0	979764.54	-1.6	0.1f	0.6	-195.2	-26.8	G654	81785	CH 15
P443	41	28.31	119	20.19	5770.0	979759.25	1.1	0.5f	1.0	-196.2	-27.3	G644	81785	CH 15
P444	41	29.71	119	20.46	5711.0	979764.74	-1.0	0.5f	1.0	-196.3	-27.0	G644	81785	CH 15
P445	41	29.01	119	22.37	5663.0	979769.24	0.0	0.6f	1.1	-193.5	-24.2	G644	81785	CH 15
P446	41	46.61	119	39.20	6724.0	979736.91	41.0	0.1f	2.6	-187.2	-17.7	G644	81885	CH 15
P447	41	45.67	119	37.72	6277.0	979762.29	25.8	0.1f	0.9	-188.9	-18.9	G634	81885	CH 15
P448	41	47.30	119	35.39	6312.0	979764.38	28.7	0.1f	1.0	-187.1	-17.0	G644	81885	CH 15
P449	41	44.06	119	37.26	6053.0	979770.81	15.7	0.0f	0.6	-191.6	-21.5	G644	81885	CH 15
P450	41	44.63	119	34.62	6134.0	979768.57	20.2	0.6f	1.4	-189.1	-18.7	G544	81885	CH 15
P451	41	44.28	119	31.95	6187.0	979765.94	23.1	0.1f	0.9	-188.6	-18.0	G644	81885	CH 15
P452	41	41.55	119	32.47	6101.0	979771.63	24.8	0.1f	0.7	-184.1	-13.5	G644	81885	CH 15
P453	41	39.77	119	32.08	6449.0	979745.33	33.8	1.4f	3.0	-184.6	-14.1	G644	81885	CH 15
P454	41	40.64	119	30.45	6235.0	979761.62	28.7	0.0f	0.7	-184.8	-14.1	G644	81885	CH 15
P455	41	40.77	119	27.67	5958.0	979772.25	13.1	0.1f	0.6	-191.0	-20.1	G644	81885	CH 15
P456	41	41.86	119	27.19	6139.0	979758.00	14.3	0.3f	1.0	-195.6	-24.7	G644	81885	CH 15

Table 6--(continued)

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P457	41	42.42	119	29.03	5974.0	979777.76	17.7	0.1f	0.6	-187.0	-16.1	G654	81885	CH 15
P458	41	28.26	119	15.24	6432.0	979715.14	19.3	0.4f	2.2	-199.4	-31.5	G644	81885	CH 15
P459	41	29.90	119	15.80	6369.0	979721.45	17.2	0.4f	1.7	-199.8	-31.3	G644	81885	CH 15
P462	40	33.18	119	59.68	4379.8	979794.17	-12.3	0.1f	1.0	-162.0	-6.8	N123	81985	CH 23
P463	40	33.35	119	56.86	4203.7	979808.16	-15.1	0.2f	1.3	-158.5	-3.5	N123	82085	GERLK
P464	40	33.01	119	55.87	4178.9	979810.80	-14.3	0.1f	1.5	-156.6	-1.8	N124	81985	GERLK
P465	40	35.45	119	46.47	3893.1	979815.10	-40.5	0.0f	0.4	-174.1	-19.5	N123	82285	CH 23
P466	40	36.87	119	59.71	4298.5	979797.94	-21.7	0.9f	2.4	-167.2	-10.4	N124	82085	GERLK
P467	40	36.16	119	58.93	4262.8	979800.90	-21.0	0.1f	1.3	-166.4	-10.0	N124	82085	GERLK
P468	40	35.43	119	58.59	4254.6	979801.88	-19.7	0.1f	1.0	-165.1	-9.1	N124	82085	GERLK
P469	40	33.90	119	57.56	4219.2	979806.78	-15.9	0.1f	0.9	-160.2	-4.8	B124	82085	GERLK
P470	40	34.42	119	55.35	4541.0	979792.93	-0.2	0.3f	0.8	-155.7	-0.6	G644	82085	GERLK
P471	40	35.63	119	53.76	4861.0	979776.47	11.6	0.3f	0.9	-154.7	0.7	G644	82085	GERLK
P472	40	34.29	119	52.49	5080.0	979754.88	12.6	0.3f	1.3	-160.8	-6.2	G644	82085	GERLK
P473	40	32.08	119	51.67	4474.0	979790.44	-5.6	0.2f	0.8	-158.7	-4.8	G644	82085	GERLK
P474	40	29.73	119	51.42	3952.0	979819.96	-21.6	0.0f	0.5	-157.1	-3.9	C654	82085	GERLK
P475	40	28.16	119	51.63	3985.0	979811.79	-24.3	0.1f	0.7	-160.8	-8.0	G534	82085	GERLK
P476	40	28.74	119	52.93	4343.0	979798.23	-5.1	0.1f	0.8	-153.8	-0.9	G634	82085	GERLK
P486	40	39.59	119	58.53	5491.0	979730.37	18.8	1.3f	2.6	-167.3	-9.8	G644	82185	GERLK
P487	40	39.77	119	55.47	5454.0	979738.69	23.4	1.1f	2.0	-162.1	-4.8	G644	82185	GERLK
P488	40	43.01	119	56.05	5881.0	979709.12	29.1	0.1f	1.2	-171.8	-13.1	G644	82185	GERLK
P489	40	43.99	119	54.42	5681.0	979719.16	18.9	0.9f	1.9	-174.5	-15.4	G644	82185	GERLK
P490	40	41.94	119	54.09	5762.0	979719.02	29.4	0.4f	1.8	-166.8	-8.8	G644	82185	GERLK
P491	40	41.97	119	52.20	5707.0	979721.16	26.3	1.1f	3.5	-166.3	-8.5	G644	82185	GERLK
P492	40	42.38	119	50.00	4752.0	979783.30	-1.9	1.0f	1.8	-163.6	-5.5	G644	82185	GERLK
P493	40	40.12	119	51.44	5059.0	979759.68	6.7	1.1f	2.1	-165.2	-8.2	G644	82185	GERLK
P494	40	38.14	119	50.77	5235.0	979741.55	8.1	2.5f	4.4	-167.5	-11.6	G644	82185	CH 23
P500	40	20.17	119	59.24	4673.0	979779.32	19.8	0.1f	1.0	-140.0	11.5	G634	82185	CH 23
P501	40	18.80	119	56.57	5306.0	979733.90	35.9	0.7f	2.0	-144.6	6.6	G644	82185	CH 23
P502	40	21.53	119	56.01	5681.0	979716.07	49.2	0.2f	2.4	-143.6	7.7	G644	82185	CH 23
P503	40	23.85	119	55.51	5949.0	979703.03	57.9	0.1f	3.1	-143.4	8.2	H324	82185	CH 23
P504	40	27.13	119	55.88	6215.0	979680.51	55.5	1.8f	8.1	-149.9	2.4	G644	82185	CH 23
P505	40	29.16	119	55.25	5117.0	979751.19	20.0	1.8f	3.3	-152.7	0.5	G644	82185	CH 23
P506	40	31.17	119	56.24	6186.0	979671.49	37.8	3.7f	12.1	-162.6	-9.0	V324	82185	CH 23
P507	40	32.40	119	58.60	5341.0	979731.92	17.0	1.5f	4.1	-162.5	-8.0	G644	82185	CH 23
P509	40	37.30	119	46.85	3972.0	979820.19	-30.8	0.0f	0.7	-166.8	-11.5	G654	82285	CH 23
P510	40	35.81	119	45.47	3893.4	979816.75	-39.4	0.0f	0.3	-173.1	-18.4	N124	82285	CH 23
P511	40	38.20	119	45.38	3970.0	979819.97	-32.5	0.0f	0.8	-168.4	-12.8	G644	82285	CH 23
P512	40	39.00	119	46.07	4057.0	979820.07	-25.4	0.0f	1.0	-164.0	-8.0	G634	82285	Ch 23
P513	40	40.30	119	46.28	4276.0	979810.72	-16.1	0.1f	1.3	-162.0	-5.4	G634	82285	CH 23
P514	40	41.72	119	47.83	4690.0	979788.05	-2.0	0.1f	0.9	-162.4	-5.0	G634	82285	CH 23
P515	40	43.29	119	48.13	4825.0	979781.49	1.8	0.3f	1.3	-162.9	-4.8	G634	82285	CH 23
P516	40	44.20	119	50.07	4345.0	979813.30	-12.9	0.5f	2.3	-160.1	-1.1	G634	82285	CH 23
P517	40	45.59	119	50.63	4742.0	979785.13	-5.8	0.3f	1.3	-167.6	-8.0	G634	82285	CH 23
P520	40	26.01	119	59.33	5135.0	979755.36	30.5	0.1f	0.9	-145.2	7.4	G634	82385	CH 23
P521	40	24.22	119	59.98	5053.0	979758.97	29.1	0.0f	0.7	-143.9	8.3	G633	82385	CH 23
P522	40	21.36	119	59.81	5031.0	979758.49	30.8	0.1f	0.9	-141.3	10.3	G644	82385	CH 23
P523	40	22.34	119	59.68	5161.0	979750.88	34.0	0.1f	0.9	-142.6	9.1	G644	82385	CH 23
P525	40	24.55	119	50.82	4010.0	979820.17	-8.2	0.2f	0.9	-145.4	6.5	G634	82385	CH 23
P526	40	24.84	119	52.91	4502.0	979795.81	13.2	0.4f	1.8	-139.9	12.1	G644	82385	CH 23

Table 6--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P527	40	22.77	119	52.27	4272.0	979803.75	2.6	0.1f	1.1	-143.2	8.3	G644	82385	CH 23
P528	40	21.71	119	52.95	4192.0	979804.59	-2.5	0.0f	1.5	-145.3	6.3	G644	82385	CH 23
P529	40	20.78	119	53.88	4227.0	979801.98	-0.4	0.1f	2.1	-143.8	7.7	G634	82385	CH 23
P530	40	19.23	119	53.75	4205.0	979800.15	-2.0	0.0f	1.0	-145.7	5.5	G634	82385	CH 23
P531	40	17.60	119	52.30	4248.0	979798.36	2.7	0.2f	0.8	-142.8	8.3	G644	82385	CH 23
P532	41	33.89	119	40.10	5858.0	979775.97	17.8	0.1f	0.6	-183.0	-13.3	G644	82485	CH 15
P533	41	33.04	119	39.98	5852.0	979777.70	20.2	0.2f	0.8	-180.1	-10.4	G634	82485	CH 15
P534	41	33.63	119	43.21	5626.0	979793.55	13.9	0.0f	0.4	-179.0	-9.7	G634	82485	CH 15
P535	41	32.37	119	41.38	5709.0	979783.05	13.1	0.0f	0.5	-182.6	-13.1	G633	82485	CH 15
P536	41	31.76	119	42.64	5625.0	979787.90	11.0	0.0f	0.5	-181.9	-12.6	G644	82485	CH 15
P537	41	31.55	119	40.85	5686.0	979784.22	13.3	0.0f	0.6	-181.4	-11.9	G644	82485	CH 15
P538	41	30.03	119	40.75	5619.0	979783.31	8.4	0.0f	0.8	-184.0	-14.5	G644	82485	CH 15
P539	41	28.29	119	40.98	5610.0	979780.53	7.4	0.1f	0.7	-184.7	-15.4	G534	82485	CH 15
P540	41	27.33	119	41.12	5626.0	979778.67	8.7	0.1f	0.7	-184.1	-14.8	G534	82485	CH 15
P541	41	24.74	119	40.18	5652.0	979769.59	5.7	0.0f	0.5	-188.0	-19.0	G534	82485	CH 15
P542	41	24.83	119	41.95	5701.5	979769.70	10.3	0.1f	0.5	-185.1	-16.1	P344	82585	CH 15
P543	41	25.31	119	42.13	5947.3	979756.62	19.6	0.2f	0.9	-183.8	-14.9	P344	82585	CH 15
P544	41	25.76	119	42.29	5966.9	979756.44	20.6	0.3f	1.2	-183.2	-14.3	P344	82585	CH 15
P545	41	26.27	119	42.47	5639.8	979779.41	12.1	0.2f	0.6	-181.1	-12.1	P344	82585	CH 15
P546	41	26.86	119	42.69	5593.3	979782.39	9.8	0.0f	0.4	-182.0	-12.9	P344	82585	CH 15
P547	41	27.44	119	42.89	5585.5	979782.97	8.8	0.0f	0.4	-182.8	-13.6	P344	82585	CH 15
P548	41	28.00	119	43.10	5579.6	979783.76	8.2	0.0f	0.4	-183.2	-14.1	P344	82585	CH 15
P549	41	28.58	119	43.31	5575.1	979785.12	8.3	0.0f	0.4	-183.0	-13.9	P344	82585	CH 15
P550	41	29.15	119	43.52	5574.5	979786.33	8.6	0.0f	0.4	-182.6	-13.5	P344	82585	CH 15
P551	41	29.72	119	43.72	5570.8	979789.22	10.3	0.0f	0.4	-180.8	-11.7	P344	82585	CH 15
P552	41	30.30	119	43.93	5571.1	979789.92	10.1	0.0f	0.4	-181.0	-11.8	P344	82585	CH 15
P553	41	30.88	119	44.12	5578.3	979789.26	9.3	0.0f	0.4	-182.1	-12.9	P344	82585	CH 15
P554	41	31.14	119	44.86	5709.0	979781.15	13.1	0.2f	0.6	-182.6	-13.6	G644	82585	CH 15
P555	41	31.36	119	43.60	5624.0	979786.07	11.6	0.1f	0.5	-181.2	-12.0	G644	82585	CH 15
P556	41	31.44	119	44.32	5624.5	979787.64	11.1	0.1f	0.5	-181.7	-12.6	P344	82585	CH 15
P557	41	32.11	119	44.54	5700.3	979784.45	14.1	0.2f	0.6	-181.3	-12.2	P344	82585	CH 15
P558	41	32.70	119	44.72	5663.2	979788.12	13.4	0.2f	0.6	-180.7	-11.6	P344	82585	CH 15
P559	41	33.25	119	44.91	5598.3	979793.59	11.9	0.1f	0.4	-180.1	-10.9	P344	82585	CH 15
P560	41	33.84	119	45.10	5562.3	979796.65	10.7	0.0f	0.3	-180.1	-11.0	P344	82585	CH 15
P561	41	34.38	119	45.26	5569.5	979797.00	10.9	0.0f	0.3	-180.2	-11.1	P344	82585	CH 15
P562	41	33.70	119	44.31	5568.0	979796.65	11.5	0.0f	0.4	-179.5	-10.3	G634	82585	CH 15
P563	41	34.87	119	45.41	5589.1	979796.29	11.3	0.0f	0.3	-180.4	-11.4	P344	82585	CH 15
P564	41	35.43	119	45.58	5577.6	979796.34	9.5	0.0f	0.3	-181.9	-12.8	P344	82585	CH 15
P565	41	35.97	119	45.71	5574.3	979798.02	10.0	0.0f	0.3	-181.2	-12.2	P344	82585	CH 15
P566	41	36.53	119	45.90	5567.3	979798.99	9.5	0.0f	0.3	-181.5	-12.5	P344	82585	CH 15
P567	41	37.11	119	46.08	5559.2	979800.61	9.5	0.0f	0.4	-181.2	-12.2	P344	82585	CH 15
P568	41	37.66	119	46.25	5561.8	979796.91	7.2	0.0f	0.4	-183.6	-14.6	P344	82585	CH 15
P569	41	38.38	119	46.49	5557.5	979799.12	5.9	0.0f	0.5	-184.6	-15.6	P344	82585	CH 15
P570	41	38.93	119	46.71	5556.5	979801.92	7.8	0.1f	0.6	-182.6	-13.6	P344	82585	CH 15
P571	41	39.36	119	47.03	5549.6	979805.36	10.0	0.0f	0.5	-180.3	-11.4	P344	82585	CH 15
P572	41	39.86	119	47.42	5526.7	979804.95	6.7	0.0f	0.5	-182.8	-14.0	P344	82585	CH 15
P573	41	40.51	119	47.92	5524.1	979802.45	2.9	0.0f	0.4	-186.5	-17.8	P344	82585	CH 15
P574	41	41.16	119	48.40	5513.3	979799.41	-2.1	0.0f	0.4	-191.2	-22.6	P344	82585	CH 15
P575	41	41.81	119	48.70	5526.1	979797.85	-3.4	0.0f	0.4	-193.0	-24.4	P344	82585	CH 15
P576	41	42.36	119	48.94	5523.5	979798.97	-3.4	0.0f	0.4	-192.8	-24.3	P344	82585	CH 15

Table 6--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P577	41	42.91	119	49.16	5521.9	979801.13	-2.2	0.0f	0.4	-191.6	-23.1	P344	82585	CH 15
P578	41	43.44	119	49.36	5520.9	979803.63	-0.6	0.0f	0.4	-190.0	-21.6	P344	82585	CH 15
P579	41	43.95	119	49.57	5525.0	979804.78	0.2	0.0f	0.4	-189.3	-21.0	P344	82585	CH 15
P580	41	44.51	119	49.82	5518.3	979805.99	-0.1	0.0f	0.4	-189.3	-21.0	P344	82585	CH 15
P581	41	45.11	119	50.07	5524.3	979810.22	3.8	0.0f	0.4	-185.6	-17.3	P344	82585	CH 15
P582	41	45.67	119	50.28	5523.3	979813.06	5.8	0.0f	0.5	-183.6	-15.4	P344	82585	CH 15
P583	41	46.28	119	50.38	5526.2	979815.38	7.4	0.0f	0.7	-181.9	-13.8	P344	82585	CH 15
P584	41	23.96	119	41.67	5765.1	979764.62	12.5	0.3f	0.8	-184.8	-15.9	P334	82685	CH 15
P585	41	23.45	119	41.53	5721.2	979767.68	12.2	0.1f	0.6	-183.8	-15.0	P334	82685	CH 15
P586	41	22.81	119	41.36	5756.2	979765.39	14.2	0.5f	1.0	-182.6	-13.9	P334	82685	CH 15
P587	41	22.29	119	41.22	5737.3	979765.26	13.1	0.1f	0.6	-183.5	-14.8	P334	82685	CH 15
P588	41	21.75	119	41.07	5805.8	979759.61	14.6	0.2f	0.7	-184.1	-15.5	P334	82685	CH 15
P589	41	21.30	119	40.94	5840.2	979757.99	16.9	0.1f	0.6	-183.1	-14.6	P334	82685	CH 15
P590	41	20.70	119	40.78	6041.8	979744.09	22.9	0.3f	1.0	-183.7	-15.3	P334	82685	CH 15
P591	41	20.18	119	40.63	5855.1	979755.79	17.8	0.1f	0.7	-182.7	-14.3	P334	82685	CH 15
P592	41	19.61	119	40.47	6030.7	979741.73	21.1	0.1f	0.8	-185.3	-17.1	P334	82685	CH 15
P593	41	19.03	119	40.31	6274.9	979724.93	28.1	0.4f	1.9	-185.6	-17.5	P334	82685	CH 15
P594	41	18.43	119	40.15	5915.8	979750.70	21.0	0.3f	1.1	-181.1	-13.0	P334	82685	CH 15
P595	41	17.82	119	40.23	5723.4	979759.71	12.9	0.1f	0.8	-183.0	-14.9	P334	82685	CH 15
P596	41	17.26	119	40.48	5659.2	979757.83	5.8	0.1f	0.6	-188.1	-20.0	P333	82685	CH 15
P597	41	16.73	119	37.72	5922.0	979748.63	22.1	0.1f	0.7	-180.6	-12.9	G644	82685	CH 15
P598	41	17.32	119	38.91	5787.0	979752.18	12.1	0.2f	0.8	-186.0	-18.0	G644	82685	CH 15
P599	41	16.73	119	40.72	5600.2	979761.51	4.7	0.0f	0.6	-187.2	-19.2	P334	82685	CH 15
P600	41	16.20	119	40.97	5607.4	979762.63	7.3	0.0f	0.6	-184.8	-17.0	P334	82685	CH 15
P601	41	15.65	119	41.22	5633.8	979763.66	11.7	0.1f	0.6	-181.4	-13.6	P334	82685	CH 15
P602	41	15.08	119	41.48	5714.6	979757.35	13.8	0.1f	0.6	-182.0	-14.4	P334	82685	CH 15
P603	41	16.40	119	42.58	5635.0	979763.67	10.7	0.1f	0.6	-182.4	-14.5	G644	82685	CH 15
P604	41	15.17	119	43.02	5825.0	979753.35	20.0	0.1f	0.6	-179.5	-11.9	G634	82685	CH 15
P605	41	14.52	119	41.73	5821.2	979751.20	18.5	0.1f	0.7	-180.9	-13.4	P334	82685	CH 15
P606	41	13.98	119	41.98	5914.2	979743.04	19.9	0.1f	0.7	-182.6	-15.3	P334	82685	CH 15
P607	41	13.42	119	41.98	6015.6	979736.19	23.4	0.1f	0.9	-182.4	-15.2	P334	82685	CH 15
P608	41	12.89	119	41.88	6075.7	979732.22	25.9	0.3f	1.1	-181.7	-14.6	P334	82685	CH 15
P609	41	12.34	119	41.78	6314.1	979715.26	32.1	0.3f	1.4	-183.3	-16.4	P334	82685	CH 15
P610	41	11.76	119	41.66	6386.9	979708.96	33.5	0.4f	1.6	-184.2	-17.5	P344	82685	CH 15
P611	41	11.28	119	41.58	6360.7	979709.83	32.7	0.3f	1.4	-184.4	-17.7	P334	82685	CH 15
P612	41	10.78	119	41.48	6223.3	979716.20	26.9	0.3f	1.3	-185.6	-19.0	P334	82685	CH 15
P613	41	10.05	119	41.35	6046.9	979726.96	22.1	0.2f	1.1	-184.5	-18.1	P334	82685	CH 15
P614	41	9.54	119	41.26	6153.7	979718.72	24.7	0.2f	1.2	-185.5	-19.2	P334	82685	CH 15
P615	41	9.06	119	41.18	6102.1	979720.44	22.3	0.1f	1.1	-186.3	-20.1	P334	82685	CH 15
P616	41	8.49	119	41.07	6346.3	979702.38	28.0	0.3f	1.7	-188.2	-22.3	P334	82685	CH 15
P617	41	7.90	119	40.96	6347.6	979700.34	27.0	0.3f	1.7	-189.4	-23.6	P334	82685	CH 15
P618	41	7.23	119	40.84	6257.2	979704.01	23.2	0.3f	1.5	-190.3	-24.7	P334	82685	CH 15
P619	41	6.69	119	40.74	6001.4	979720.09	16.0	0.1f	0.9	-189.3	-23.8	P334	82685	CH 15
P620	41	47.13	119	49.38	5578.0	979812.90	8.5	0.1f	0.6	-182.5	-14.2	G634	82785	CH 15
P621	41	46.83	119	50.49	5565.0	979812.01	6.9	0.1f	0.9	-183.5	-15.4	P354	82785	CH 15
P622	41	47.35	119	50.57	5721.3	979803.30	12.1	1.6f	2.4	-182.1	-14.1	P354	82785	CH 15
P623	41	48.01	119	49.68	5689.0	979809.13	13.9	0.1f	0.8	-180.9	-12.7	G634	82785	CH 15
P624	41	49.35	119	49.11	5682.0	979811.41	13.5	0.0f	0.5	-181.2	-13.1	G634	82785	CH 15
P625	41	49.05	119	49.81	5682.0	979810.38	12.9	0.0f	0.7	-181.7	-13.7	G644	82785	CH 15
P626	41	50.37	119	48.91	5683.0	979816.43	17.1	0.1f	0.6	-177.6	-9.5	G634	82785	CH 15

Table 6--(continued)

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P627	41	51.16	119	50.03	5684.0	979818.38	17.9	0.0f	0.9	-176.5	-8.7	C644	82785	CH 15
P628	41	52.06	119	51.15	6443.0	979770.91	40.5	1.4f	3.2	-177.7	-10.4	G644	82785	CH 15
P629	41	54.68	119	54.05	5743.0	979815.01	14.8	0.0f	0.8	-181.8	-14.9	G634	82785	CH 15
P630	41	54.33	119	55.10	5718.9	979817.13	15.2	0.0f	0.6	-180.7	-14.0	P343	82785	CH 15
P631	41	53.79	119	54.86	5795.3	979813.71	19.8	0.1f	0.7	-178.7	-11.9	P344	82785	CH 15
P632	41	53.25	119	54.61	5889.0	979807.28	23.0	0.1f	0.8	-178.6	-11.8	P344	82785	CH 15
P633	41	52.73	119	54.37	5956.6	979799.96	22.8	0.1f	0.8	-181.1	-14.2	P344	82785	CH 15
P634	41	52.23	119	54.17	6080.2	979790.00	25.2	0.1f	1.0	-182.7	-15.9	P344	82785	CH 15
P635	41	51.75	119	53.79	6141.8	979786.64	28.3	0.1f	1.0	-181.6	-14.6	P344	82785	CH 15
P636	41	51.29	119	53.43	6260.7	979778.71	32.3	0.1f	1.2	-181.6	-14.6	P344	82785	CH 15
P637	41	50.75	119	52.99	6406.0	979771.10	39.1	0.2f	1.5	-179.3	-12.2	P354	82785	CH 15
P638	41	50.28	119	52.65	6509.0	979764.17	42.6	0.1f	1.7	-179.2	-12.1	P354	82785	CH 15
P639	41	49.84	119	52.31	6605.9	979753.54	41.7	0.1f	2.2	-182.9	-15.8	P354	82785	CH 15
P640	41	49.44	119	51.85	6652.9	979749.20	42.4	0.2f	3.0	-183.1	-15.8	P354	82785	CH 15
P641	41	49.00	119	51.38	6280.2	979773.00	31.8	0.5f	2.0	-181.9	-14.4	P354	82785	CH 15
P642	41	48.55	119	50.86	6094.6	979783.10	25.2	0.3f	1.4	-182.8	-15.1	P344	82785	CH 15
P643	41	54.86	119	55.35	5708.8	979817.77	14.1	0.0f	0.6	-181.5	-14.9	P344	82785	CH 15
P644	41	55.40	119	55.61	5730.8	979817.34	14.9	0.1f	0.6	-181.4	-14.9	P344	82785	CH 15
P645	41	55.93	119	55.85	5697.6	979822.07	15.8	0.1f	0.6	-179.4	-13.0	P344	82785	CH 15
P646	41	54.45	119	56.91	5706.0	979820.72	17.4	0.1f	0.6	-178.0	-11.7	G644	82785	CH 15
P647	41	53.20	119	59.04	5404.0	979838.92	9.1	0.0f	0.5	-176.2	-10.0	G634	82785	CH 15
P819	41	55.18	118	13.36	5476.0	979845.91	19.9	0.8f	2.5	-165.8	-0.4	G734	81586	MCDE
P820	41	54.26	118	14.69	4802.0	979876.98	-11.0	0.2f	1.9	-174.3	-8.8	G734	81586	MCDE
P821	41	53.19	118	15.71	4468.0	979883.86	-33.9	0.0f	1.7	-185.9	-20.6	G754	81586	MCDE
P822	41	53.46	118	17.42	4533.0	979878.88	-33.2	0.0f	1.9	-187.2	-22.0	G734	81586	MCDE
P823	41	51.80	118	16.44	4432.0	979885.32	-33.8	0.0f	1.5	-184.7	-19.7	G734	81586	MCDE
P824	41	50.19	118	16.20	4345.0	979890.95	-33.9	0.0f	1.5	-181.9	-17.2	G734	81586	MCDE
P846	41	31.42	119	4.39	5865.0	979765.01	11.1	0.1f	1.0	-189.3	-22.3	N324	81786	DENIO
P847	41	29.89	119	4.49	5963.7	979756.08	13.8	0.0f	1.3	-189.8	-23.2	N224	81786	DENIO
P848	41	28.02	119	6.82	4988.0	979822.85	-8.3	0.3f	2.1	-177.8	-11.0	G744	81786	DENIO
P849	41	26.71	119	7.32	4862.0	979830.23	-10.9	0.1f	1.5	-176.6	-10.1	G744	81786	DENIO
P850	41	25.12	119	9.17	4728.0	979840.44	-10.9	0.1f	1.6	-171.9	-5.5	G734	81786	DENIO
P851	41	25.30	119	3.10	5830.0	979769.18	21.2	0.7f	2.9	-176.3	-11.8	G744	81786	DENIO
P852	41	22.83	119	0.95	6516.0	979735.96	56.1	0.4f	3.0	-164.6	-2.0	G744	81786	DENIO
P853	41	23.20	118	59.60	6984.0	979701.70	65.3	0.5f	4.9	-169.6	-7.3	G744	81786	DENIO
P854	41	24.23	118	58.37	7280.0	979679.76	69.6	3.0f	9.6	-170.5	-8.2	G744	81786	DENIO
P855	41	24.60	118	59.64	8012.0	979626.61	84.7	2.1f	13.8	-176.3	-13.6	G744	81786	DENIO
P856	41	22.00	118	51.91	4061.5	979884.29	-25.0	0.0f	1.4	-163.4	-2.9	N224	81786	DENIO
P857	41	25.14	118	51.23	4082.9	979882.33	-29.6	0.0f	2.4	-167.8	-6.1	N224	81786	DENIO
P858	41	26.90	118	48.66	4094.4	979885.50	-28.0	0.0f	1.4	-167.5	-5.9	B124	81786	DENIO

Table 7--Gravity data collected in Oregon.

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P230	42	1.23	118	37.51	4196.8	979936.75	-18.6	0.4f	4.9	-158.1	6.2	B124	101484	DENIO
P231	42	2.92	118	36.64	4248.2	979939.81	-13.2	0.2f	4.3	-155.1	8.9	b124	101484	DENIO
P232	42	7.38	118	37.59	5562.0	979867.47	31.2	2.0f	7.9	-152.0	11.0	G634	101484	DENIO
P233	42	7.96	118	36.09	4189.0	979944.62	-21.5	0.2f	3.1	-162.6	0.7	G634	101484	DENIO
P234	42	9.26	118	36.11	4191.4	979944.42	-23.5	0.2f	1.9	-165.8	-2.9	B123	101684	DENIO
P235	42	10.77	118	36.53	4162.6	979947.68	-25.2	0.1f	1.3	-167.1	-4.4	V124	101484	DENIO
P236	42	10.79	118	35.60	4136.0	979943.63	-31.7	0.0f	0.9	-173.2	-10.6	G534	101484	DENIO
P237	42	11.94	118	37.47	4161.0	979949.77	-25.0	0.0f	1.0	-167.2	-4.7	G633	101484	DENIO
P238	42	10.42	118	38.97	4500.0	979937.81	-2.8	0.6f	3.0	-154.7	8.1	G644	101484	DENIO
P239	42	11.40	118	37.97	4240.0	979950.07	-16.4	0.3f	1.7	-160.7	1.9	G634	101484	DENIO
P240	42	12.05	118	40.50	4745.0	979931.08	11.1	0.3f	1.7	-150.5	12.0	Q734	101484	DENIO
P241	42	10.42	118	41.08	5461.0	979884.34	35.9	0.7f	2.5	-150.0	12.6	G644	101484	DENIO
P242	42	6.74	118	35.16	4194.0	979940.61	-23.2	0.1f	2.8	-164.7	-1.3	G634	101484	DENIO
P243	42	5.65	118	34.32	4177.0	979936.27	-27.5	0.2f	2.0	-169.3	-5.6	N224	101484	DENIO
P244	42	0.38	118	48.35	4423.2	979906.33	-26.4	0.0f	1.1	-177.5	-12.4	N123	101584	DENIO
P245	42	1.04	118	48.26	4470.9	979905.81	-23.5	0.1f	1.3	-176.0	-11.0	N124	101584	DENIO
P246	42	1.68	118	48.12	4480.0	979907.53	-21.8	0.0f	1.6	-174.4	-9.5	N124	101584	DENIO
P247	42	2.55	118	47.72	4570.9	979904.82	-17.3	0.1f	1.8	-172.8	-8.0	N124	101584	DENIO
P248	42	4.05	118	45.74	5173.0	979871.88	4.1	0.3f	2.3	-171.5	-7.3	G634	101584	DENIO
P249	42	3.26	118	47.06	4746.2	979895.95	-10.8	0.2f	1.7	-172.4	-7.8	B124	101584	DENIO
P250	42	3.89	118	47.51	4587.7	979906.24	-16.3	0.2f	2.4	-171.8	-7.2	N124	101584	DENIO
P251	42	6.21	118	47.97	4903.7	979890.11	-6.2	0.1f	1.3	-173.6	-9.4	N124	101584	DENIO
P252	42	8.10	118	47.30	5011.6	979892.09	3.0	0.1f	2.0	-167.3	-3.5	N124	101584	DENIO
P253	42	9.80	118	47.77	5039.0	979890.39	1.4	0.0f	1.4	-170.5	-6.9	D333	82486	DENIO
P254	42	11.45	118	47.89	5075.9	979895.09	7.1	0.1f	1.4	-166.1	-2.7	N124	101584	DENIO
P255	42	12.49	118	46.08	6429.0	979815.99	53.6	2.2f	6.7	-160.5	2.0	G634	101584	DENIO
P256	42	5.41	118	47.82	4651.2	979904.87	-14.0	0.3f	2.4	-171.6	-7.1	N124	101584	DENIO
P257	42	4.02	118	36.06	4283.0	979940.27	-11.1	0.1f	4.1	-154.5	9.4	G634	101684	DENIO
P258	42	4.71	118	35.35	4237.9	979939.21	-17.5	0.1f	3.0	-160.3	3.4	B124	101684	DENIO
P259	42	9.49	118	34.92	4163.0	979939.43	-31.5	0.0f	1.0	-173.8	-10.9	G534	101684	DENIO
P260	42	9.47	118	33.02	4130.0	979937.40	-36.6	0.0f	0.6	-178.1	-15.2	G534	101684	DENIO
P261	42	9.17	118	31.76	4178.0	979937.08	-31.9	0.0f	0.6	-175.1	-12.2	G534	101684	DENIO
P262	42	9.05	118	30.30	4232.0	979933.52	-30.2	0.0f	0.6	-175.3	-12.3	G534	101684	DENIO
P263	42	9.32	118	27.23	4358.0	979938.24	-14.1	1.1f	2.2	-161.8	1.2	B124	101684	DENIO
P264	42	10.32	118	25.89	4466.0	979935.49	-8.2	2.1f	3.3	-158.5	4.3	G634	101684	DENIO
P265	42	11.35	118	24.20	4581.5	979921.56	-12.8	0.1f	0.9	-169.5	-6.8	B124	101684	DENIO
P266	42	11.29	118	22.09	4699.4	979923.01	-0.2	1.1f	2.3	-159.5	3.3	B123	101684	DENIO
P267	42	12.49	118	20.80	4677.8	979914.08	-12.9	0.1f	0.8	-173.1	-10.6	B124	101684	DENIO
P268	42	14.02	118	19.79	4582.8	979921.26	-17.0	0.1f	0.5	-174.1	-12.0	B124	101684	DENIO
P269	42	15.37	118	18.46	4551.7	979924.46	-18.7	0.1f	0.5	-174.8	-13.1	B124	101684	DENIO
P270	42	16.85	118	17.00	4475.6	979942.42	-10.1	0.2f	0.7	-163.4	-2.3	B124	101684	DENIO
P271	42	18.63	118	15.70	4468.5	979958.43	2.5	0.0f	0.3	-150.9	9.6	N124	101684	DENIO
P272	42	19.79	118	14.72	4396.3	979968.66	4.2	0.1f	0.3	-146.7	13.3	B123	81686	DENIO
P273	42	20.29	118	13.95	4379.1	979968.15	1.4	0.0f	0.3	-149.1	10.8	N124	101684	DENIO
P274	42	17.67	118	15.69	4470.5	979952.85	-1.4	0.0f	0.4	-154.9	6.1	N124	101684	DENIO
P275	42	16.66	118	15.72	4519.8	979939.31	-8.8	0.0f	0.4	-163.9	-2.6	N124	101684	DENIO
P276	42	15.80	118	15.50	4579.0	979926.06	-15.2	0.1f	0.5	-172.2	-10.5	N324	101684	DENIO
P277	42	15.03	118	15.01	4645.8	979917.15	-16.7	0.1f	0.5	-176.0	-13.9	N124	101684	DENIO
P278	42	14.41	118	14.16	4718.1	979918.11	-8.0	0.0f	0.6	-169.7	-7.3	N124	101684	DENIO
P279	42	14.03	118	13.29	4856.6	979910.99	-1.5	0.1f	0.7	-167.9	-5.3	N124	101684	DENIO

Table 7--(continued)

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P280	42	13.68	118	12.43	4954.6	979904.40	1.6	0.0f	0.6	-168.1	-5.4	N124	101684	DENIO
P281	42	13.40	118	11.51	4953.8	979903.79	1.4	0.1f	0.8	-168.2	-5.3	N123	81086	MCDE
P648	42	0.89	118	6.12	5219.0	979870.27	11.5	0.1f	1.0	-166.9	-0.7	G634	8 686	MCDE
P649	42	2.52	118	7.82	5782.3	979844.76	36.5	0.1f	1.6	-160.6	5.3	N224	8 686	MCDE
P650	42	3.14	118	8.55	6077.2	979827.73	46.3	0.2f	2.3	-160.3	5.4	N224	8 686	MCDE
P651	42	3.72	118	9.05	6353.0	979811.65	55.2	0.5f	3.2	-159.7	5.7	N224	8 686	MCDE
P652	42	2.31	117	48.49	4450.0	979914.25	-18.9	0.0f	0.7	-171.3	-3.7	G634	8 686	MCDE
P653	42	3.14	117	48.81	4452.0	979909.92	-24.3	0.0f	0.9	-176.6	-9.2	G634	8 686	MCDE
P654	42	5.14	117	49.91	4581.0	979907.82	-17.3	0.0f	1.1	-173.7	-6.8	G634	8 686	MCDE
P655	42	5.80	117	50.39	4673.0	979904.59	-12.8	0.0f	1.1	-172.4	-5.7	G634	8 686	MCDE
P656	42	6.56	117	51.00	4773.0	979899.76	-9.4	0.0f	1.3	-172.3	-5.7	G634	8 686	MCDE
P657	42	7.36	117	51.59	4862.0	979895.19	-6.8	0.1f	1.7	-172.3	-6.1	G634	8 686	MCDE
P658	42	7.66	117	50.50	4701.0	979904.84	-12.7	0.0f	1.1	-173.4	-7.1	G644	8 686	MCDE
P659	42	8.64	117	48.02	4531.0	979908.78	-26.2	0.0f	0.6	-181.6	-15.1	G634	8 686	MCDE
P660	42	9.22	117	45.25	4560.4	979922.50	-10.6	0.0f	0.9	-166.6	-0.1	N224	8 686	MCDE
P661	42	8.39	117	44.97	4601.7	979918.56	-9.4	0.0f	0.8	-166.9	-0.1	N324	8 686	MCDE
P662	42	7.28	117	44.66	4590.8	979915.61	-11.8	0.0f	0.7	-169.0	-1.9	N324	8 686	MCDE
P663	42	2.78	117	52.42	5927.0	979823.67	28.6	0.4f	3.1	-171.9	-5.3	G634	8 886	MCDE
P664	42	2.06	117	53.42	5457.0	979848.94	10.8	0.1f	1.3	-175.5	-8.7	G634	8 886	MCDE
P665	42	2.70	117	54.38	5672.0	979837.98	19.1	1.3f	3.0	-172.8	-6.3	G644	8 886	MCDE
P666	42	2.99	117	56.31	5444.0	979855.39	14.7	0.0f	1.2	-171.3	-4.8	G634	8 886	MCDE
P667	42	3.63	117	57.03	5515.0	979847.89	12.9	0.1f	1.4	-175.3	-8.9	G634	8 886	MCDE
P668	42	3.57	117	58.53	5574.0	979841.93	12.5	1.7f	2.9	-176.1	-9.9	G644	8 886	MCDE
P669	42	3.74	117	59.58	5851.0	979822.35	18.7	0.6f	2.8	-179.6	-13.4	G654	8 886	MCDE
P670	42	4.45	118	0.19	5633.0	979835.71	10.6	0.1f	1.5	-181.5	-15.5	G644	8 886	MCDE
P671	42	4.00	118	1.52	5603.0	979835.69	8.4	0.2f	1.6	-182.6	-16.5	G644	8 886	MCDE
P672	42	2.74	118	1.94	5225.0	979860.58	-0.4	0.1f	0.9	-179.1	-12.8	G634	8 886	MCDE
P673	42	3.65	118	2.86	5327.0	979854.13	1.4	0.1f	1.1	-180.6	-14.4	G634	8 886	MCDE
P674	42	4.91	118	4.06	6031.0	979820.41	32.0	0.8f	3.0	-172.3	-6.7	G644	8 886	MCDE
P675	42	1.87	118	3.47	5106.0	979870.25	-0.6	0.1f	0.8	-175.4	-9.1	G644	8 886	MCDE
P676	42	4.35	118	9.42	6719.8	979788.86	66.0	0.5f	4.7	-160.0	5.1	N224	8 886	MCDE
P677	42	4.99	118	11.11	6828.0	979782.03	68.3	0.9f	4.9	-161.1	3.7	G754	8 886	MCDE
P678	42	4.44	118	12.45	7115.0	979758.62	72.7	1.5f	6.4	-165.1	-0.3	G744	8 886	MCDE
P679	42	5.19	118	8.73	6553.6	979800.35	60.6	0.1f	2.8	-161.7	3.4	N223	81086	MCDE
P680	42	6.03	118	7.14	6445.0	979806.27	55.0	0.1f	2.3	-164.0	1.2	G754	8 986	MCDE
P681	42	6.81	118	5.99	6475.0	979801.68	52.1	0.2f	2.3	-167.9	-3.0	G634	8 986	MCDE
P682	42	7.75	118	4.63	7025.0	979762.44	63.1	0.2f	4.0	-174.0	-9.4	G733	8 986	MCDE
P683	42	9.60	118	5.89	6682.0	979791.57	57.3	0.2f	2.9	-169.2	-5.1	G734	8 986	MCDE
P684	42	11.29	118	5.99	6547.0	979800.18	50.6	0.1f	2.7	-171.5	-7.8	G754	8 986	MCDE
P685	42	9.72	118	3.80	6808.0	979776.43	53.8	0.5f	3.1	-176.9	-12.6	G744	8 986	MCDE
P686	42	10.79	118	4.01	6667.0	979786.54	49.0	0.5f	2.8	-177.0	-13.1	G734	8 986	MCDE
P687	42	11.94	118	4.09	6670.0	979789.09	50.1	0.1f	3.2	-175.7	-12.1	G734	8 986	MCDE
P688	42	12.73	118	4.12	6548.0	979796.40	44.8	1.7f	5.0	-175.0	-11.8	G744	8 986	MCDE
P689	42	7.40	118	2.05	7145.0	979745.81	58.3	0.3f	4.4	-182.5	-17.7	G634	8 986	MCDE
P690	42	7.02	118	1.12	7238.0	979736.78	58.6	0.7f	5.7	-184.1	-19.1	G644	8 986	MCDE
P691	42	7.12	117	59.25	7688.0	979707.71	71.6	0.2f	7.9	-184.2	-19.3	G754	8 986	MCDE
P692	42	7.05	117	57.48	7846.0	979699.36	78.2	0.9f	10.8	-180.0	-15.1	G754	8 986	MCDE
P693	42	6.90	117	56.20	8013.0	979689.06	83.8	3.2f	15.8	-175.1	-10.1	G744	8 986	MCDE
P694	42	8.44	117	59.55	7493.0	979722.30	65.9	0.4f	6.1	-185.1	-20.4	G744	8 986	MCDE
P695	42	9.26	117	59.81	7414.0	979728.65	63.6	0.6f	5.9	-184.8	-20.4	G744	8 986	MCDE

Table 7--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P696	42	12.46	118	1.01	7201.0	979748.20	58.4	0.7f	7.0	-181.8	-18.4	G743	81186	MCDE
P697	42	15.16	117	58.98	5460.0	979865.99	8.5	0.2f	2.2	-177.0	-14.0	G733	81286	MCDE
P698	42	15.40	117	57.15	5014.0	979894.04	-5.7	0.0f	1.1	-177.1	-14.0	G734	8 986	MCDE
P699	42	14.40	117	54.65	4949.0	979903.44	-0.9	0.0f	0.8	-170.4	-6.6	G634	8 986	MCDE
P700	42	12.85	117	46.05	4773.0	979921.53	2.9	0.0f	0.5	-160.7	4.5	N222	81686	MCDE
P701	42	0.30	118	7.58	5532.0	979849.90	21.5	0.1f	1.2	-167.5	-1.4	G744	81086	MCDE
P702	42	0.07	118	5.17	5224.0	979864.75	7.7	0.1f	0.9	-171.0	-4.7	G744	81086	MCDE
P703	42	5.93	118	8.64	6532.3	979802.47	59.6	0.2f	2.7	-162.0	3.0	N224	81086	MCDE
P704	42	6.65	118	8.97	6473.1	979807.67	58.2	0.2f	2.5	-161.6	3.2	N224	81086	MCDE
P705	42	7.23	118	9.09	6410.1	979812.14	55.8	0.1f	2.2	-162.1	2.6	N224	81086	MCDE
P706	42	7.93	118	8.64	6322.0	979817.35	51.7	0.0f	1.8	-163.6	0.9	G644	81086	MCDE
P707	42	9.21	118	7.95	6150.0	979828.27	44.5	0.1f	1.6	-165.1	-0.8	G654	81086	MCDE
P708	42	7.98	118	9.66	6346.5	979816.45	53.0	0.0f	2.4	-162.5	2.0	B124	81086	MCDE
P709	42	8.91	118	9.82	6182.5	979826.63	46.4	0.2f	2.2	-163.8	0.5	N224	81086	MCDE
P710	42	9.84	118	9.94	6076.9	979833.53	42.0	0.2f	2.1	-164.7	-0.6	B124	81086	MCDE
P711	42	10.30	118	10.41	5889.9	979846.02	36.2	0.4f	1.9	-164.2	-0.3	B124	81086	MCDE
P712	42	11.01	118	10.89	5485.7	979872.62	23.8	0.1f	1.1	-163.6	0.1	N224	81086	MCDE
P713	42	11.86	118	10.97	5301.8	979884.53	17.1	0.1f	1.0	-164.1	-0.6	N224	81086	MCDE
P714	42	12.74	118	11.09	5114.7	979894.19	7.9	0.2f	1.0	-167.0	-3.8	N224	81086	MCDE
P715	42	14.07	118	10.92	4826.0	979914.77	-0.7	0.6f	1.4	-165.3	-2.5	G744	81086	MCDE
P716	42	12.73	118	13.81	4935.0	979904.77	1.6	0.2f	0.9	-167.3	-4.2	G634	81086	MCDE
P717	42	11.82	118	13.75	5207.0	979887.29	11.0	0.1f	1.0	-167.0	-3.7	G644	81086	MCDE
P718	42	11.06	118	15.21	5416.0	979879.46	24.0	0.3f	1.5	-160.7	2.7	G754	81086	MCDE
P719	42	11.14	118	18.30	5221.0	979884.95	11.0	0.1f	1.2	-167.3	-4.2	G634	81086	MCDE
P720	42	11.64	118	20.39	4937.0	979898.44	-2.9	0.0f	0.8	-171.9	-9.1	G633	81886	DENIO
P721	42	12.59	118	17.68	4774.0	979905.50	-12.6	0.1f	0.8	-176.0	-13.3	G634	81086	MCDE
P722	42	13.87	118	18.25	4646.0	979914.65	-17.4	0.0f	0.5	-176.8	-14.5	G634	81086	MCDE
P723	42	14.25	118	16.77	4630.0	979913.94	-20.2	0.0f	0.5	-179.0	-16.8	G754	81086	MCDE
P724	42	28.38	117	52.98	4340.0	979986.72	4.1	0.1f	0.3	-144.9	11.5	G644	81086	MCDE
P725	42	9.55	118	0.75	7129.0	979750.90	58.7	0.3f	3.7	-182.3	-17.9	G744	81186	MCDE
P726	42	10.58	118	1.62	7088.0	979756.67	59.0	0.1f	3.6	-180.6	-16.6	G744	81186	MCDE
P727	42	11.30	118	0.51	7348.0	979735.67	61.4	1.9f	8.7	-182.0	-18.3	G744	81186	MCDE
P728	42	13.52	118	0.99	6968.0	979765.26	51.9	0.6f	5.9	-181.3	-18.3	G734	81186	MCDE
P729	42	14.31	118	3.22	6763.0	979788.30	54.5	0.2f	3.4	-174.2	-11.6	G754	81186	MCDE
P730	42	14.22	118	5.84	6385.0	979813.27	44.1	1.1f	4.7	-170.5	-7.9	G734	81186	MCDE
P731	42	15.96	118	4.67	6382.0	979819.96	47.9	0.1f	2.6	-168.7	-6.8	G744	81186	MCDE
P732	42	16.42	118	7.03	5683.0	979873.16	34.7	0.2f	1.7	-158.9	2.8	G634	81186	MCDE
P733	42	17.22	118	7.01	5584.0	979880.83	31.9	0.2f	1.6	-158.5	2.9	G644	81186	MCDE
P734	42	18.36	118	8.49	5082.0	979917.43	19.6	0.1f	0.9	-154.3	6.6	G634	81186	MCDE
P735	42	19.17	118	10.11	4814.0	979935.88	11.6	0.1f	0.6	-153.3	7.1	G634	81186	MCDE
P736	42	18.00	118	10.75	4758.0	979935.87	8.1	0.1f	0.6	-154.9	6.1	G754	81186	MCDE
P737	42	17.33	118	11.57	4643.0	979939.42	1.9	0.3f	0.9	-156.9	4.4	G744	81186	MCDE
P738	42	18.38	118	12.35	4785.0	979932.24	6.5	0.4f	0.9	-157.2	3.5	G644	81186	MCDE
P739	42	19.55	118	12.91	4459.0	979960.07	1.9	0.1f	0.4	-151.1	9.1	G634	81186	MCDE
P740	42	22.09	118	10.35	4466.0	979963.23	1.9	0.0f	0.3	-151.5	7.7	G634	81186	MCDE
P741	42	21.35	118	9.36	4576.0	979956.26	6.4	0.0f	0.5	-150.6	8.9	G634	81186	MCDE
P742	42	15.77	118	1.52	7353.0	979749.18	68.7	0.8f	8.8	-174.8	-12.9	V324	81286	MCDE
P743	42	16.57	118	2.60	7006.0	979775.49	61.2	0.3f	5.7	-173.6	-12.1	G634	81286	MCDE
P744	42	17.53	117	59.89	6936.0	979775.19	52.8	2.9f	11.9	-173.4	-12.1	G744	81286	MCDE
P745	42	16.82	117	57.28	4979.0	979900.76	-4.4	0.0f	1.1	-174.6	-12.1	G734	81286	MCDE

Table 7--(continued)

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P746	42	17.60	117	58.09	5042.0	979895.23	-5.2	0.1f	1.6	-177.0	-15.0	G734	81286	MCDE
P747	42	18.83	117	58.18	5110.0	979896.80	0.9	0.1f	1.3	-173.5	-12.1	G734	81286	MCDE
P748	42	20.10	117	58.80	5281.0	979891.61	9.9	0.5f	1.5	-170.2	-9.7	C834	81286	MCDE
P749	42	19.28	117	59.22	5349.3	979882.79	8.7	0.2f	1.7	-173.5	-12.6	M224	81286	MCDE
P750	42	21.24	118	0.39	5081.1	979913.82	11.6	0.5f	1.5	-161.7	-1.8	B224	81286	MCDE
P751	42	22.55	118	1.46	4941.1	979931.77	14.4	0.2f	0.8	-154.7	4.4	M224	81286	MCDE
P752	42	21.81	118	2.34	4923.0	979930.89	12.9	0.0f	0.8	-155.6	3.9	G634	81286	MCDE
P753	42	23.13	118	3.13	4662.0	979954.10	9.6	0.1f	0.6	-150.2	8.6	G634	81286	MCDE
P754	42	24.30	118	3.48	4495.0	979969.33	7.4	0.0f	0.3	-146.9	11.3	G634	81286	MCDE
P755	42	25.50	118	4.05	4388.0	979981.04	7.3	0.0f	0.2	-143.5	14.1	G634	81286	MCDE
P756	42	24.54	118	6.05	4368.0	979976.80	2.6	0.0f	0.3	-147.5	10.6	G634	81286	MCDE
P757	42	23.32	118	8.30	4462.6	979970.59	7.1	0.0f	0.3	-146.1	12.5	M224	81286	MCDE
P758	42	21.82	118	6.99	4790.0	979946.72	16.3	0.1f	0.7	-147.8	11.5	G634	81286	MCDE
P759	42	25.89	118	2.33	4686.0	979961.55	15.2	0.0f	0.4	-145.6	11.7	G634	81286	MCDE
P760	42	12.89	117	48.22	4688.0	979925.68	-1.0	0.0f	0.5	-161.7	3.2	G634	81286	MCDE
P761	42	13.01	117	50.82	4725.0	979913.24	-10.1	0.0f	0.6	-172.1	-7.4	G634	81286	MCDE
P762	42	13.54	117	52.54	4823.0	979909.82	-5.1	0.0f	0.6	-170.4	-6.1	G634	81286	MCDE
P763	42	14.12	117	56.52	5053.0	979888.93	-5.3	0.0f	1.1	-177.9	-14.2	G634	81286	MCDE
P764	42	13.89	117	57.76	5148.0	979880.10	-4.8	0.0f	1.6	-180.2	-16.5	G634	81286	MCDE
P765	42	13.22	117	38.38	6246.1	979829.57	48.9	0.3f	1.9	-163.8	1.8	B223	81486	MCDE
P766	42	17.37	117	34.42	5537.5	979877.84	24.3	0.0f	0.5	-165.5	-1.0	M224	81386	MCDE
P767	42	15.73	117	30.96	5607.4	979877.92	33.4	0.1f	0.5	-158.8	6.9	B124	81386	MCDE
P768	42	14.37	117	30.01	5666.4	979871.95	35.0	0.0f	0.6	-159.1	7.3	B124	81386	MCDE
P769	42	11.87	117	28.91	6043.3	979845.82	48.1	0.0f	0.8	-158.7	8.9	B124	81386	MCDE
P770	42	11.11	117	28.09	6088.9	979842.19	49.9	0.0f	0.9	-158.4	9.5	B124	81386	MCDE
P771	42	10.43	117	27.55	6136.9	979837.89	51.1	0.0f	0.9	-158.8	9.4	B124	81386	MCDE
P772	42	9.75	117	26.76	6210.2	979831.77	52.9	0.0f	1.0	-159.4	9.1	B124	81386	MCDE
P773	42	9.62	117	25.38	6232.0	979828.96	52.3	0.1f	1.1	-160.6	8.2	B123	81486	MCDE
P774	42	9.33	117	24.10	6141.0	979834.93	50.2	0.1f	1.0	-159.8	9.2	B124	81386	MCDE
P775	42	9.17	117	22.98	6051.7	979839.25	46.3	0.0f	0.8	-160.7	8.5	B124	81386	MCDE
P776	42	8.82	117	21.75	5932.4	979845.22	41.6	0.0f	0.7	-161.5	8.0	B224	81386	MCDE
P777	42	8.80	117	20.51	5850.3	979849.20	37.9	0.0f	0.6	-162.5	7.2	B124	81386	MCDE
P778	42	8.35	117	19.28	5759.3	979852.64	33.5	0.1f	0.6	-163.8	6.2	B124	81386	MCDE
P779	42	6.19	117	18.91	5932.0	979837.31	37.6	0.0f	0.7	-165.5	5.2	G754	81386	MCDE
P780	42	5.31	117	18.68	5942.0	979833.96	36.5	0.0f	0.6	-167.0	3.9	G634	81386	MCDE
P781	42	4.24	117	18.15	5996.0	979826.30	35.6	0.0f	0.6	-169.8	1.4	G634	81386	MCDE
P782	42	4.13	117	19.98	5935.0	979830.64	34.3	0.0f	0.6	-169.0	2.2	G634	81386	MCDE
P783	42	3.54	117	21.06	5956.0	979826.59	33.2	0.0f	0.6	-170.9	0.4	G634	81386	MCDE
P784	42	3.35	117	22.17	5927.0	979828.09	32.2	0.1f	0.6	-170.8	0.4	G634	81386	MCDE
P785	42	2.40	117	23.65	5947.0	979823.68	31.1	0.0f	0.6	-172.6	-1.2	G644	81386	MCDE
P786	42	1.66	117	23.96	5963.0	979821.46	31.5	0.1f	0.7	-172.7	-1.2	G634	81386	MCDE
P787	42	2.32	117	24.66	5976.0	979823.11	33.4	0.1f	0.7	-171.3	-0.1	G634	81386	MCDE
P788	42	3.81	117	26.43	6144.0	979819.14	43.0	0.0f	0.8	-167.3	3.2	G634	81386	MCDE
P789	42	3.25	117	27.74	6219.0	979813.86	45.6	0.0f	0.9	-167.1	3.3	G644	81386	MCDE
P790	42	3.43	117	29.49	6294.0	979810.10	48.6	0.0f	1.1	-166.5	3.6	G634	81386	MCDE
P791	42	2.89	117	31.45	6353.0	979805.25	50.1	0.0f	1.4	-166.7	3.2	Q734	81386	MCDE
P792	42	1.39	117	33.30	6229.0	979812.35	47.8	0.0f	2.2	-163.9	5.8	G634	81386	MCDE
P793	42	0.23	117	36.48	4914.0	979894.25	7.8	0.1f	1.0	-160.1	9.7	G634	81386	MCDE
P794	42	0.29	117	38.07	4742.0	979896.35	-6.3	0.0f	0.6	-168.8	0.7	G634	81386	MCDE
P795	42	13.79	117	44.52	4949.2	979919.59	16.1	0.2f	0.8	-153.3	11.7	M224	81486	MCDE

Table 7--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P796	42	14.24	117	42.84	5270.1	979892.22	18.3	0.2f	1.0	-161.9	2.9	N224	81486	MCDE
P797	42	13.81	117	41.50	5842.9	979857.33	37.8	0.8f	2.3	-160.6	4.4	N224	81486	MCDE
P798	42	13.79	117	40.08	6283.9	979828.15	50.1	0.7f	2.9	-162.8	2.2	N224	81486	MCDE
P799	42	11.98	117	37.35	5932.0	979844.79	36.4	0.1f	0.9	-166.4	-0.1	G644	81486	MCDE
P800	42	11.15	117	36.35	6265.0	979826.31	50.5	0.1f	1.6	-163.1	3.5	G633	81486	MCDE
P801	42	10.25	117	34.93	6072.0	979837.61	45.0	0.0f	1.0	-162.6	4.6	G634	81486	MCDE
P802	42	10.41	117	38.14	6414.0	979817.07	56.4	0.1f	2.7	-161.2	5.3	G644	81486	MCDE
P803	42	7.68	117	36.08	6464.0	979808.02	56.1	0.1f	2.2	-163.7	4.0	G634	81486	MCDE
P804	42	8.73	117	36.74	6484.0	979809.21	57.6	0.0f	2.3	-162.7	4.6	G754	81486	MCDE
P805	42	12.37	117	35.95	5884.0	979851.67	38.2	0.0f	0.8	-163.2	3.2	G634	81486	MCDE
P806	42	13.85	117	36.82	5892.4	979850.28	35.4	0.1f	0.9	-166.2	-0.6	B124	81486	MCDE
P807	42	13.52	117	29.55	5872.8	979858.21	42.0	0.0f	0.7	-159.1	7.7	B124	81486	MCDE
P808	42	13.66	117	27.94	5766.0	979865.99	39.5	0.1f	0.6	-158.0	8.9	G634	81486	MCDE
P809	42	12.74	117	29.57	5989.0	979850.38	46.2	0.1f	0.9	-158.7	8.4	B124	81486	MCDE
P810	42	12.25	117	25.59	5884.0	979856.21	42.9	0.0f	0.7	-158.5	9.3	G634	81486	MCDE
P811	42	11.55	117	23.89	5723.0	979864.04	36.7	0.1f	0.6	-159.4	8.9	G634	81486	MCDE
P812	42	7.34	117	18.05	5701.5	979853.80	30.7	0.1f	0.5	-164.7	5.7	N324	81486	MCDE
P813	42	7.06	117	15.94	5760.8	979849.18	32.1	0.0f	0.4	-165.4	5.1	N224	81486	MCDE
P814	42	6.81	117	13.66	5677.1	979852.76	28.2	0.0f	0.4	-166.5	4.3	N224	81486	MCDE
P815	42	5.55	117	13.50	5648.8	979850.70	25.4	0.0f	0.4	-168.4	2.8	N224	81486	MCDE
P816	42	3.72	117	14.68	5781.8	979838.27	28.2	0.0f	0.5	-170.0	1.7	N324	81486	MCDE
P817	42	2.60	117	15.81	5825.1	979831.61	27.3	0.0f	0.5	-172.4	-0.4	N224	81486	MCDE
P818	42	0.14	117	17.45	6030.4	979811.36	30.0	0.0f	0.6	-176.5	-4.0	N224	81486	MCDE
P825	42	1.04	117	43.86	4465.0	979904.37	-25.5	0.0f	0.3	-178.8	-10.4	G634	81686	MCDE
P826	42	1.88	117	45.52	4455.0	979904.51	-27.5	0.0f	0.3	-180.5	-12.5	G634	81686	MCDE
P827	42	2.99	117	43.47	4596.0	979908.65	-11.6	0.0f	0.4	-169.4	-1.3	G634	81686	MCDE
P828	42	3.87	117	45.34	4485.0	979913.16	-19.0	0.0f	0.4	-172.9	-5.2	G634	81686	MCDE
P829	42	6.33	117	46.64	4473.0	979911.27	-25.7	0.0f	0.5	-179.1	-12.0	G644	81686	MCDE
P830	42	4.46	117	43.88	4643.0	979911.45	-6.8	0.0f	0.4	-166.1	1.7	G634	81686	MCDE
P831	42	10.35	117	45.52	4609.2	979922.29	-7.9	0.0f	0.9	-165.6	0.5	N224	81686	MCDE
P832	42	10.20	117	51.99	4877.0	979894.18	-10.7	0.1f	1.2	-177.2	-11.7	G634	81686	MCDE
P833	42	10.32	117	53.97	5273.0	979870.23	2.4	0.2f	2.5	-176.4	-11.2	G634	81686	MCDE
P834	42	11.77	117	53.60	4964.0	979890.98	-8.0	0.0f	1.2	-177.6	-12.7	G634	81686	MCDE
P835	42	11.95	117	55.51	5206.0	979874.29	-2.3	0.1f	2.2	-179.0	-14.4	G634	81686	MCDE
P836	42	12.41	117	56.94	5445.0	979859.51	4.7	0.5f	2.9	-179.5	-15.3	G644	81686	DENIO
P837	42	8.77	118	28.92	4340.8	979928.49	-24.6	0.0f	0.6	-173.3	-10.2	N224	81686	DENIO
P838	42	7.89	118	30.32	4212.0	979933.23	-30.6	0.0f	0.6	-175.0	-11.7	G633	81886	DENIO
P839	42	6.52	118	30.34	4203.0	979929.15	-33.5	0.0f	0.7	-177.4	-13.9	G634	81686	DENIO
P840	42	4.95	118	30.32	4229.0	979917.27	-40.6	0.0f	0.8	-185.4	-21.5	G634	81686	DENIO
P841	42	3.13	118	29.89	4280.0	979909.47	-40.9	0.0f	0.9	-187.2	-23.1	G634	81686	DENIO
P842	42	2.53	118	30.59	4218.0	979909.65	-45.6	0.0f	1.0	-189.8	-25.6	H424	81686	DENIO
P843	42	1.38	118	32.24	4204.0	979908.13	-46.7	0.0f	0.9	-190.5	-26.3	G644	81686	DENIO
P844	42	0.78	118	33.81	4203.0	979907.85	-46.2	0.0f	0.9	-190.0	-25.7	G634	81686	DENIO
P845	42	0.18	118	36.46	4179.0	979923.33	-32.1	0.0f	1.4	-174.5	-10.1	G644	81686	DENIO
P859	42	11.36	118	23.33	4622.0	979923.19	-7.4	0.5f	1.7	-164.7	-2.0	G634	81886	DENIO
P860	42	8.49	118	16.47	7089.0	979769.98	75.6	0.1f	6.3	-161.4	2.0	G744	81886	DENIO
P861	42	6.64	118	18.12	7192.0	979754.12	72.2	2.1f	9.9	-164.7	-1.0	G754	81886	DENIO
P862	42	4.79	118	16.06	7742.0	979715.77	88.3	0.3f	7.8	-169.5	-5.4	G754	81886	DENIO
P863	42	4.20	118	15.70	7879.0	979706.45	92.7	0.6f	8.6	-168.9	-4.7	H444	81886	DENIO
P864	42	2.92	118	14.99	8041.0	979689.82	93.2	0.6f	8.6	-173.9	-9.4	G754	81886	DENIO

Table 7--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P865	42	2.65	118	13.68	7853.0	979703.93	90.1	1.0f	8.4	-170.8	-6.2	G744	81886	DENIO
P866	42	2.65	118	16.60	7878.0	979699.01	87.5	0.7f	8.3	-174.4	-10.0	G744	81886	DENIO
P867	42	4.56	118	17.75	7112.0	979753.74	67.4	1.2f	6.1	-170.6	-6.4	G744	81886	DENIO
P868	42	0.30	118	17.87	7177.0	979735.50	61.7	0.6f	5.5	-179.2	-14.5	G754	81886	DENIO
P869	42	1.32	118	18.83	7621.0	979706.95	73.3	0.9f	9.2	-178.9	-14.6	G744	81886	DENIO
P870	42	3.31	118	19.59	7412.0	979729.52	73.2	0.9f	7.7	-173.4	-9.2	G744	81886	DENIO
P871	42	4.83	118	20.84	7126.0	979750.50	65.1	0.6f	6.7	-172.8	-9.0	G744	81886	DENIO
P872	42	6.00	118	23.13	5988.0	979837.64	43.5	0.4f	2.3	-159.9	3.8	G744	81886	DENIO
P873	42	6.45	118	26.88	4812.0	979892.78	-12.5	0.2f	1.4	-176.7	-13.1	C844	81886	DENIO
P874	42	13.51	118	38.72	4191.0	979950.33	-24.0	0.0f	0.9	-167.3	-5.1	G744	82186	DENIO
P875	42	15.89	118	40.48	4243.5	979959.83	-13.1	0.1f	1.0	-158.1	3.8	B123	82486	DENIO
P876	42	18.38	118	43.31	5124.0	979919.60	25.7	0.3f	1.6	-146.9	12.6	G734	82186	DENIO
P877	42	19.05	118	44.97	5609.4	979884.76	35.5	0.4f	1.9	-155.4	5.9	N434	82186	DENIO
P878	42	20.10	118	47.09	5045.0	979920.14	16.2	0.1f	1.4	-155.9	5.7	D444	82186	DENIO
P879	42	20.49	118	48.27	4975.0	979923.01	11.9	0.0f	1.3	-157.9	3.8	D454	82186	DENIO
P880	42	19.68	118	50.35	5897.0	979860.73	37.5	0.3f	2.0	-163.1	-1.5	G744	82186	DENIO
P881	42	18.23	118	50.74	6147.0	979841.27	43.7	0.3f	2.1	-165.3	-3.4	G754	82186	DENIO
P882	42	16.91	118	50.92	6125.0	979839.45	41.8	0.6f	2.3	-166.3	-4.1	G744	82186	DENIO
P883	42	15.56	118	52.33	5570.0	979870.86	23.1	0.2f	1.0	-167.4	-4.6	G754	82186	DENIO
P884	42	0.51	118	52.59	4515.0	979896.64	-27.7	0.1f	1.3	-181.7	-16.1	G634	82286	DENIO
P885	42	1.25	118	53.57	4563.0	979893.71	-27.2	0.1f	1.1	-183.1	-17.4	G634	82286	DENIO
P886	42	3.10	118	56.74	4784.0	979886.45	-16.5	0.5f	1.9	-179.1	-13.2	G744	82286	DENIO
P887	42	4.09	118	57.76	5010.0	979872.44	-10.7	0.2f	1.9	-181.2	-15.3	G744	82286	DENIO
P888	42	5.16	118	59.06	5474.0	979846.66	5.5	0.3f	1.6	-181.1	-15.3	G744	82286	DENIO
P889	42	5.82	119	0.70	5605.0	979843.31	13.5	0.3f	1.6	-177.6	-11.8	G644	82286	DENIO
P890	42	5.66	119	2.00	5571.0	979848.73	15.9	0.0f	1.0	-174.5	-8.4	G634	82286	DENIO
P891	42	6.21	119	5.10	5530.1	979844.16	6.7	0.0f	1.0	-182.4	-16.0	N224	82286	DENIO
P892	42	7.65	119	4.10	5468.1	979851.01	5.6	0.0f	0.6	-181.8	-15.9	N224	82286	DENIO
P893	42	8.30	119	3.47	5450.7	979853.67	5.6	0.0f	0.6	-181.1	-15.4	N224	82286	DENIO
P894	42	9.21	119	3.15	5410.2	979860.02	6.8	0.4f	1.2	-178.0	-12.5	N224	82286	DENIO
P895	42	9.95	119	3.49	5342.0	979866.24	5.5	0.2f	0.9	-177.2	-11.9	G634	82286	DENIO
P896	42	10.96	119	4.01	5323.0	979868.32	4.3	0.4f	1.1	-177.6	-12.4	N324	82286	DENIO
P897	42	11.44	119	3.19	5198.6	979878.60	2.1	0.3f	1.1	-175.6	-10.5	N224	82286	DENIO
P898	42	11.94	119	2.25	4998.6	979891.50	-4.5	0.2f	1.1	-175.3	-10.4	B224	82286	DENIO
P899	42	12.31	119	1.02	5063.4	979890.78	0.3	0.1f	0.7	-173.1	-8.5	N224	82286	DENIO
P900	42	12.94	118	59.03	4823.6	979907.28	-6.7	0.1f	1.3	-171.3	-6.9	N224	82286	DENIO
P901	42	13.86	118	57.69	4720.4	979914.20	-10.9	0.5f	2.0	-171.2	-7.2	N324	82286	DENIO
P902	42	14.53	118	56.89	4706.0	979917.83	-9.6	0.1f	1.8	-169.7	-5.9	N224	82286	DENIO
P903	42	15.33	118	56.33	4688.9	979919.87	-10.4	0.1f	1.4	-170.3	-6.8	B124	82286	DENIO
P904	42	15.95	118	59.13	4832.0	979913.38	-4.3	0.2f	0.5	-170.0	-6.4	G744	82286	DENIO
P905	42	16.91	118	56.39	4675.3	979923.50	-10.4	0.0f	0.8	-170.4	-7.3	N224	82286	DENIO
P906	42	17.78	118	55.92	4589.0	979929.25	-14.0	0.0f	1.0	-170.9	-7.9	N224	82286	DENIO
P907	42	18.54	118	55.29	4569.9	979932.66	-13.6	0.1f	1.6	-169.2	-6.4	N224	82286	DENIO
P908	42	19.29	118	54.53	4539.6	979932.73	-17.5	0.2f	2.8	-170.8	-8.4	N224	82286	DENIO
P909	42	20.12	118	54.07	4601.8	979931.28	-14.3	0.6f	2.6	-170.0	-7.8	B124	82286	DENIO
P910	42	20.94	118	53.56	4606.6	979932.97	-13.4	0.6f	2.2	-169.7	-7.6	N324	82286	DENIO
P911	42	21.86	118	53.86	4548.0	979933.56	-19.7	0.0f	0.8	-175.4	-13.5	G624	82286	DENIO
P912	42	22.31	118	56.67	4534.0	979935.77	-19.5	0.0f	0.3	-175.2	-13.3	G634	82286	DENIO
P913	42	22.61	118	52.73	4580.4	979936.92	-14.4	0.1f	1.4	-170.6	-8.9	N224	82286	DENIO
P914	42	21.35	118	50.72	4846.0	979927.73	3.2	0.2f	1.8	-161.7	0.1	N324	82286	DENIO

Table 7--(continued)

STATION NAME	LATITUDE DEG	MIN	LONGITUDE DEG	MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P915	42	17.26	118	41.98	4520.0	979955.59	6.6	0.1f	1.2	-147.8	14.0	G744	82286	DENIO
P916	42	3.36	119	29.10	5218.0	979852.60	-9.9	0.3f	1.8	-187.6	-19.2	G634	82386	DENIO
P917	42	4.01	119	31.98	5220.0	979857.77	-5.6	0.0f	0.4	-184.6	-16.6	G634	82386	DENIO
P918	42	5.51	119	31.64	5204.0	979863.04	-4.0	0.0f	0.3	-182.6	-14.9	G634	82386	DENIO
P919	42	6.69	119	31.63	5194.4	979867.82	-1.9	0.0f	0.3	-180.2	-12.8	B124	82386	DENIO
P920	42	10.86	119	31.96	5188.0	979878.28	1.7	0.6f	1.2	-175.5	-9.3	W654	82386	DENIO
P921	42	13.34	119	29.86	5203.3	979881.06	2.2	0.0f	0.3	-176.5	-10.9	B124	82386	DENIO
P922	42	12.96	119	31.39	5196.7	979881.10	2.2	0.1f	0.4	-176.1	-10.4	B123	82386	DENIO
P923	42	13.82	119	31.16	5201.6	979883.45	3.7	0.3f	0.6	-174.5	-9.1	N324	82386	DENIO
P924	42	14.47	119	32.38	5325.0	979882.09	12.9	0.3f	0.7	-169.4	-4.3	G644	82386	DENIO
P925	42	15.36	119	30.76	5218.2	979886.16	5.6	0.1f	0.4	-173.4	-8.3	B124	82386	DENIO
P926	42	16.07	119	30.43	5207.2	979886.90	4.3	0.5f	0.9	-173.9	-9.1	N224	82386	DENIO
P927	42	17.00	119	30.31	5212.7	979887.59	4.1	0.0f	0.4	-174.7	-10.2	N224	82386	DENIO
P928	42	18.73	119	30.55	5281.0	979887.31	7.6	0.1f	0.5	-173.5	-9.5	G634	82386	DENIO
P929	42	17.33	119	31.40	5517.1	979870.86	15.5	0.1f	0.6	-173.6	-9.3	B124	82386	DENIO
P930	42	17.19	119	32.39	5596.6	979864.99	17.3	0.3f	0.8	-174.3	-9.9	B124	82386	DENIO
P931	42	17.71	119	33.25	5677.9	979862.71	21.9	0.1f	0.6	-172.7	-8.5	N324	82386	DENIO
P932	42	18.01	119	34.40	5771.9	979860.17	27.7	0.0f	0.5	-170.1	-6.1	B124	82386	DENIO
P933	42	18.05	119	35.38	5770.0	979862.13	29.4	0.0f	0.5	-168.3	-4.4	N224	82386	DENIO
P934	42	17.85	119	36.37	5919.9	979851.32	33.0	0.1f	0.8	-169.6	-5.6	B124	82386	DENIO
P935	42	16.80	119	37.07	5728.9	979860.59	25.9	0.1f	0.5	-170.4	-6.2	N224	82386	DENIO
P936	42	16.94	119	38.79	5751.6	979858.56	25.8	0.1f	0.5	-171.3	-7.2	B124	82386	DENIO
P937	42	15.70	119	36.42	5774.0	979854.97	26.2	0.1f	0.6	-171.7	-7.1	G634	82386	DENIO
P938	42	18.54	118	47.33	5744.0	979873.01	37.1	0.3f	1.6	-158.7	3.0	G644	82486	DENIO
P939	42	16.96	118	47.87	5470.0	979881.51	22.3	0.1f	1.2	-164.5	-2.4	G644	82486	DENIO
P940	42	16.49	118	51.91	5907.0	979850.89	33.4	0.2f	1.5	-168.1	-5.6	G644	82486	DENIO
P941	42	13.84	118	53.40	5464.0	979870.48	15.3	0.3f	0.8	-171.6	-8.4	G654	82486	DENIO
P942	42	12.42	118	54.52	5346.0	979875.50	11.4	0.3f	0.7	-171.6	-7.8	G644	82486	DENIO
P943	42	11.01	118	52.71	5174.0	979879.23	1.1	0.2f	0.7	-176.1	-12.1	G633	82486	DENIO
P944	42	10.47	118	50.24	5022.0	979887.73	-3.9	0.0f	0.6	-176.0	-12.2	G644	82486	DENIO
P945	42	11.99	118	49.40	4995.0	979896.47	0.0	0.1f	0.9	-170.9	-7.4	G734	82486	DENIO
P946	42	9.79	118	54.53	5382.0	979860.58	3.8	0.1f	0.5	-180.7	-16.4	G644	82486	DENIO
P947	42	8.71	118	55.79	5510.0	979851.46	8.4	0.1f	0.8	-180.2	-15.6	G634	82486	DENIO
P948	42	7.76	118	57.39	5927.0	979826.22	23.7	0.4f	1.5	-178.5	-13.6	G634	82486	DENIO
P949	42	6.52	118	58.51	6477.0	979791.36	42.4	0.2f	2.7	-177.4	-12.2	G634	82486	DENIO
P950	42	10.79	118	51.31	5103.0	979884.10	-0.4	0.1f	0.7	-175.2	-11.4	G744	82486	DENIO
P951	42	12.33	119	59.67	5630.0	979849.09	11.8	0.1f	0.9	-180.8	-16.6	G634	82586	DENIO
P952	42	12.86	119	58.25	5875.0	979835.99	21.0	0.1f	1.0	-179.9	-15.7	G634	82586	DENIO
P953	42	13.56	119	57.24	6063.0	979828.32	29.9	0.1f	1.4	-177.0	-13.1	G754	82586	DENIO
P954	42	14.30	119	56.24	6265.0	979817.44	36.9	0.1f	2.0	-176.3	-12.5	G754	82586	DENIO
P955	42	14.89	119	54.80	6625.0	979794.13	46.5	0.1f	4.2	-176.8	-13.1	G644	82586	DENIO
P956	42	16.25	119	54.21	6670.0	979792.30	46.9	0.1f	6.3	-175.9	-12.6	G754	82586	DENIO
P957	42	18.22	119	56.06	6076.0	979836.57	32.4	0.2f	1.8	-174.6	-11.5	G754	82586	DENIO
P958	42	18.85	119	59.91	5634.0	979867.78	21.1	0.0f	0.6	-172.0	-9.1	G654	82586	DENIO
P959	42	17.69	120	0.45	5670.0	979864.08	22.5	0.0f	0.6	-171.8	-8.6	G644	82586	DENIO
P960	42	6.48	119	44.80	4753.0	979898.95	-12.0	0.4f	2.5	-173.0	-6.4	N434	82586	DENIO
P961	42	5.83	119	40.01	6130.7	979804.89	24.4	0.2f	1.4	-184.8	-18.2	B124	82586	DENIO
P962	42	2.00	119	18.63	5867.0	979813.88	14.4	0.0f	0.5	-186.7	-18.2	G644	82686	DENIO
P963	42	2.80	119	16.38	5858.0	979813.68	12.1	0.1f	0.5	-188.6	-20.4	G634	82686	DENIO
P964	42	4.49	119	13.61	6096.0	979804.10	22.4	0.0f	0.7	-186.4	-18.8	G644	82686	DENIO

Table 7--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P965	42	5.46	119	11.32	6185.0	979798.71	23.9	0.1f	0.9	-187.6	-20.6	G754	82686	DENIO
P966	42	5.76	119	9.61	6364.0	979785.78	27.4	0.1f	1.3	-189.9	-23.1	G754	82686	DENIO
P967	42	4.79	119	8.42	6294.0	979789.60	26.0	0.1f	1.2	-188.9	-22.1	G744	82686	DENIO
P968	42	4.27	119	4.74	6493.0	979782.93	38.8	0.5f	2.5	-181.6	-15.2	G744	82686	DENIO
P969	42	4.47	119	7.11	6185.0	979798.48	25.2	0.1f	1.1	-186.2	-19.4	G644	82686	DENIO
P970	42	2.49	119	7.84	5615.0	979830.05	6.1	0.0f	0.7	-186.1	-18.6	G754	82686	DENIO
P971	42	7.36	119	7.76	5955.5	979816.50	17.3	0.2f	1.4	-186.0	-19.7	N224	82686	DENIO
P972	42	8.65	119	9.11	5640.0	979835.89	5.1	0.1f	1.0	-187.7	-21.5	N224	82686	DENIO
P973	42	9.23	119	10.03	5553.2	979843.19	3.4	0.1f	0.9	-186.6	-20.5	N224	82686	DENIO
P974	42	9.93	119	10.99	5498.7	979849.28	3.3	0.1f	0.7	-185.0	-18.9	N224	82686	DENIO
P975	42	10.83	119	12.09	5452.0	979854.55	2.8	0.1f	0.6	-184.0	-18.1	G633	82686	DENIO
P976	42	12.70	119	10.76	5230.0	979873.40	-2.0	0.0f	0.3	-181.5	-16.1	Q744	82686	DENIO
P977	42	15.11	119	11.33	5154.0	979886.39	0.2	0.0f	0.2	-176.8	-12.1	G654	82686	DENIO
P978	42	16.78	119	11.82	5145.0	979893.37	3.8	0.0f	0.3	-172.8	-8.7	G654	82686	DENIO
P979	42	19.36	119	12.47	5422.0	979881.68	14.3	0.1f	0.5	-171.5	-8.4	G644	82686	DENIO
P980	42	21.01	119	13.07	5386.0	979888.42	15.2	0.1f	0.5	-169.4	-6.8	G644	82686	DENIO
P981	42	22.67	119	14.41	5371.0	979893.86	16.7	0.1f	0.8	-167.2	-5.0	G534	82686	DENIO
P982	42	25.20	119	14.84	5085.0	979918.09	10.3	0.0f	0.5	-164.1	-2.8	G544	82686	DENIO
P983	42	27.22	119	15.41	4941.0	979931.16	6.8	0.0f	0.3	-162.9	-2.2	G734	82686	DENIO
P984	42	28.26	119	18.14	4841.5	979936.37	1.1	0.1f	0.3	-165.2	-4.8	N224	82686	DENIO
P985	42	10.75	119	14.69	5618.3	979846.03	10.0	0.1f	0.5	-182.5	-16.5	N224	82686	DENIO
P986	42	9.98	119	15.98	5565.0	979850.31	10.5	0.1f	0.6	-180.2	-13.8	G634	82686	DENIO
P987	42	7.69	119	14.15	5918.0	979822.92	19.7	0.1f	0.8	-182.9	-16.1	G644	82686	DENIO
P988	42	11.06	119	16.93	5683.7	979845.75	15.4	0.1f	0.5	-179.4	-13.3	N224	82786	DENIO
P989	42	12.67	119	18.42	5804.3	979842.21	20.8	0.1f	0.6	-178.0	-12.4	B124	82786	DENIO
P990	42	14.46	119	18.52	5612.6	979856.98	14.9	0.1f	0.6	-177.4	-12.3	N224	82786	DENIO
P991	42	16.05	119	18.26	5462.0	979873.03	14.4	0.1f	0.5	-172.8	-8.3	Q733	82786	DENIO
P992	42	18.21	119	15.90	5424.0	979876.28	12.8	0.1f	0.9	-172.8	-9.0	G734	82786	DENIO
P993	42	17.82	119	17.75	5691.0	979862.08	22.3	0.1f	0.9	-172.4	-8.5	G754	82786	DENIO
P994	42	9.23	119	28.30	5230.0	979869.56	-0.6	0.1f	0.4	-180.1	-13.3	G744	82786	DENIO
P995	42	10.60	119	26.78	5330.0	979868.00	5.1	0.0f	0.3	-177.8	-11.4	G644	82786	DENIO
P996	42	11.56	119	26.53	5316.0	979873.82	8.2	0.0f	0.3	-174.3	-8.1	G634	82786	DENIO
P997	42	13.02	119	26.16	5302.0	979878.13	9.0	0.0f	0.3	-173.0	-7.2	G644	82786	DENIO
P998	42	13.72	119	25.97	5259.0	979882.53	8.3	0.0f	0.3	-172.2	-6.7	G634	82786	DENIO
P999	42	16.65	119	25.42	5356.9	979878.86	9.4	0.0f	0.4	-174.4	-9.8	N224	82786	DENIO
P1000	42	18.39	119	24.38	5535.0	979872.35	17.1	0.1f	0.6	-172.6	-8.6	G634	82786	DENIO
P1001	42	19.62	119	24.55	5584.5	979870.85	18.4	0.1f	0.6	-172.9	-9.4	N224	82786	DENIO
P1002	42	20.45	119	24.58	5488.4	979879.62	16.9	0.0f	0.5	-171.3	-8.0	B124	82786	DENIO
P1003	42	6.72	119	27.79	5233.0	979860.51	-5.7	0.1f	0.9	-184.7	-17.2	C644	82786	DENIO
PH 1	43	25.98	117	16.64	3789.0	980111.68	-9.4	3.4f	4.3	-135.5	-2.2	G634	101884	JORVL
PH 2	43	25.38	117	18.32	3598.0	980124.80	-13.3	2.2f	3.7	-133.5	0.4	G634	101884	JORVL
PH 3	43	26.76	117	17.95	4211.0	980085.97	3.4	4.0f	7.8	-133.7	-0.8	G634	101884	JORVL
PH 4	43	28.68	117	16.68	4286.0	980088.32	9.9	1.8f	3.7	-133.9	-2.5	G634	101884	JORVL
PH 5	43	21.16	117	16.63	3651.0	980105.89	-20.9	2.5f	3.7	-142.9	-6.2	G644	101884	JORVL
PH 6	43	20.17	117	17.68	3710.0	980104.23	-15.5	2.5f	4.3	-139.0	-1.6	G634	101884	JORVL
PH 7	43	19.74	117	15.72	4629.0	980039.37	6.7	2.5f	5.3	-147.3	-9.9	G634	101884	JORVL
PH 8	43	16.61	117	18.21	4418.0	980060.92	13.1	1.2f	3.2	-135.7	3.8	G644	101884	JORVL
PH 9	43	15.43	117	16.70	5289.0	980011.57	47.4	3.1f	6.8	-127.6	12.4	G634	101884	JORVL
PH10	43	13.02	117	15.06	6010.0	979965.57	72.8	1.2f	5.1	-128.6	12.8	G744	101884	JORVL
PH11	43	16.48	117	12.57	5152.0	980023.90	45.3	1.5f	3.8	-128.1	11.3	G634	101884	JORVL

Table 7--(continued)

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
PH12	43	14.52	117	12.06	5728.0	979982.96	61.4	0.1f	3.4	-132.0	8.6	G644	101884	JORVL
PH13	43	14.56	117	9.72	5094.0	980032.21	51.0	1.6f	3.2	-120.9	20.0	G644	101884	JORVL
PH14	43	14.82	117	14.46	6414.0	979932.89	75.3	0.3f	7.9	-137.0	3.2	G754	101884	JORVL
PH15	43	13.44	117	17.86	5732.0	979983.84	64.3	0.5f	4.7	-128.0	13.1	G634	101884	JORVL
PH16	43	12.05	117	18.13	5396.0	980005.56	56.5	0.8f	3.0	-126.0	16.0	G744	101884	JORVL
PH17	43	13.51	117	21.47	4870.0	980025.78	25.1	0.7f	2.3	-140.1	1.0	G634	101884	JORVL
PH18	43	13.88	117	18.76	5100.0	980025.64	46.0	0.9f	3.6	-125.7	15.2	C754	101884	JORVL
PH19	43	13.94	117	19.37	4793.0	980041.14	32.6	0.7f	2.7	-129.5	11.4	G744	101884	JORVL
PH20	43	15.87	117	19.85	3802.0	980104.26	-0.3	1.3f	3.1	-128.1	12.0	G734	101884	JORVL
PH21	43	16.50	117	16.48	4920.0	980030.07	29.6	2.4f	5.5	-134.1	5.3	G644	101884	JORVL

Table 8--Gravity data collected in California.

STATION NAME	LATITUDE DEG	LATITUDE MIN	LONGITUDE DEG	LONGITUDE MIN	ELEV FEET	OBS GRAV MGAL	FREE AIR	TERRAIN HAND	TERRAIN COMP	BOUG ANOM	ISOS ANOM	ACC CODE	DATE M-D-Y	BASE NAME
P460	40	26.51	120	16.19	4472.6	979796.51	8.7	0.3f	0.7	-144.5	8.4	B123	81985	CH 23
P461	40	29.54	120	4.46	4712.6	979772.32	2.5	0.0f	0.6	-159.0	-5.0	N123	82385	CH 23
P477	40	30.16	120	30.37	5849.0	979705.56	41.7	2.0f	6.5	-152.8	0.2	G644	82185	GERLK
P478	40	30.82	120	31.26	5843.0	979710.61	45.2	1.0f	4.3	-151.3	1.9	G644	82185	GERLK
P479	40	30.93	120	29.66	5449.0	979738.97	36.3	1.1f	3.1	-147.8	5.6	G644	82185	GERLK
P480	40	32.29	120	27.88	4551.0	979796.82	7.8	0.1f	1.0	-147.8	6.5	G654	82185	GERLK
P481	40	30.53	120	27.77	4535.0	979797.82	9.9	0.0f	0.6	-145.5	8.2	G754	82185	GERLK
P482	40	40.27	120	2.60	5211.0	979742.65	3.7	0.5f	1.2	-174.2	-16.0	G644	82185	GERLK
P483	40	42.31	120	3.39	5589.0	979720.51	14.1	0.2f	1.0	-177.0	-17.9	G654	82185	GERLK
P484	40	40.73	120	0.59	6155.0	979685.56	34.7	1.1f	4.4	-172.4	-14.4	H324	82185	GERLK
P485	40	39.35	120	0.27	5283.0	979741.05	10.3	0.9f	2.1	-169.2	-11.6	G644	82185	GERLK
P495	40	24.03	120	11.35	5590.0	979712.23	33.1	1.6f	4.9	-154.1	-2.1	G644	82185	CH 23
P496	40	21.03	120	8.24	6480.0	979658.97	68.0	2.8f	9.1	-145.5	5.7	G644	82185	CH 23
P497	40	19.86	120	6.19	6427.0	979651.01	56.8	3.9f	11.4	-152.6	-1.5	G644	82185	CH 23
P498	40	22.54	120	2.90	6923.0	979623.05	71.4	3.0f	12.1	-154.1	-2.8	G644	82185	CH 23
P499	40	22.37	120	1.20	6009.0	979692.39	55.1	1.4f	4.9	-146.4	5.1	G644	82185	CH 23
P508	40	26.93	120	9.11	5481.0	979727.38	33.7	0.5f	2.8	-151.9	1.0	G644	82185	CH 23
P518	40	27.75	120	4.68	4760.0	979776.99	14.3	0.2f	0.9	-148.6	4.9	Q744	82385	CH 23
P519	40	26.38	120	1.19	5219.0	979748.65	31.2	0.1f	0.6	-147.6	5.1	G643	82385	CH 23
P524	40	26.88	120	2.78	5050.0	979758.77	24.7	0.1f	0.7	-148.3	4.7	C744	82385	CH 23