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**Principal Facts for About 500 Gravity Stations in the Vicinity of
Amargosa Desert and Pahrump Valley, California and Nevada**

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INTRODUCTION

During the winter and spring of 1998 gravity surveys were conducted in the vicinity of Amargosa Desert and Pahrump Valley to improve control of basement depth estimates. Basement depths are very useful in determining ground water flow and potential reservoir capacities. Approximately 530 new gravity stations were made. Amargosa Desert and Pahrump Valley are located along the California-Nevada border between Death Valley and Las Vegas, NV. The boundaries of the study area are $35^{\circ} 45'$ to $37^{\circ} 00'$ N. latitude and $115^{\circ} 30'$ to $117^{\circ} 00'$ W. longitude. A map showing the location of the study area is shown in figure 1. A map showing the study area's local towns and geographic features is shown in figure 2. Two gravity base stations were used for control for these surveys. AMV is located at the post office building in Amargosa Valley, NV. This base was established by other workers prior to these field operations. The observed gravity of this station was calculated based on multiple ties to base stations on the Nevada Test Site and base stations on the Mount Charleston calibration loop. A second base station, NYECO was also used for these surveys. It is located next to the flag pole of the Nye County building in Pahrump, NV. This base was established with multiple ties to AMV. Descriptions of these base stations are made in figures 3 and 4.

GRAVITY REDUCTION

Conversion to milligals was made using factory calibration constants and a calibration factor which varies with each gravity meter and has been determined by multiple gravity readings over the Mt. Hamilton calibration loop east of San Jose, CA (Barnes and others, 1969). Observed gravity values were based on an assumed linear drift between successive base readings. Vertical and horizontal control was mostly provided by small portable Global Positioning Systems (GPS). A base GPS unit was used to record variations in the satellite signals. These variations were applied to the roving GPS unit. The horizontal locations calculated by GPS were as close as one could plot on a 1:24,000 scale map. Printed elevations on these maps, either bench marks or spot elevations, are preferred over GPS elevations, but comparisons of GPS to map elevations rarely exceed 10 feet. There have been some occasions when these differences are in the 50 foot range, but this is quite rare. When these wide ranges of elevation differences occur, interpolated elevations from the 30 meter Digital Elevation Model (DEM) are used for station elevations when no elevation is printed on the map. This data set also includes two closely spaced profiles in which the vertical and horizontal control were established with laser surveying equipment.

Field terrain corrections were made in the field which calculates to effect of the local terrain from the station to a radial distance of 68 m. Inner terrain corrections from 68 m to 0.59 km were calculated using 30 m DEM's. Terrain corrections were computed for the area from a radial distance of 0.59 km from the station to a radial distance of 166.7 km with a FORTRAN program (Plouff, 1977) and a digital terrain model. These data were processed through an isostatic reduction program (Jachens and Roberts, 1981) in order to

suppress the effects of deep density distributions that buoyantly support the topography. The isostatic reduction assumes an Airy-Heiskanen model with the following parameters from the station to 166.7 km: density of topography above sea level, 2.67 g/cm^3 ; crustal thickness at sea level, 25 km; density contrast across the base of the model crust, 0.4 g/cm^3 . From 166.7 km to a point on the opposite side of the Earth, isostatic and terrain corrections were taken off maps by Karki (1961). These corrections were added to the output of the isostatic program of Jachens and Roberts (1981) to produce the isostatic correction.

Theoretical gravity at sea level is based on the Geodetic Reference System 1967 (GRS 67) (International Association of Geodesy, 1971, p. 58) for the shape of the spheroid. The datum for the observed gravity is the International Gravity Standardization Net 1971 (IGSN 71) (Morelli, 1974, p. 18). Observed gravities were calculated by adding meter drift and earth-tide corrections to the milligal equivalent meter readings. Free-air anomalies are calculated by subtracting the theoretical gravity from the observed gravity and adding the free-air correction as defined by Swick (1942, p. 65). Simple Bouguer anomalies are calculated by subtracting the Bouguer correction, which accounts for the attraction of rocks between the station and sea level using a rock density of 2.67 g/cm^3 from the free-air anomaly. Complete Bouguer anomalies are calculated by adding the terrain correction and the curvature correction to the simple Bouguer anomaly. Isostatic anomalies are calculated by adding the isostatic correction to the complete Bouguer anomaly.

ACKNOWLEDGMENTS

We wish to acknowledge Bruce Chuchel and Peter Fahringer for their assistance in the field during the collection of these data.

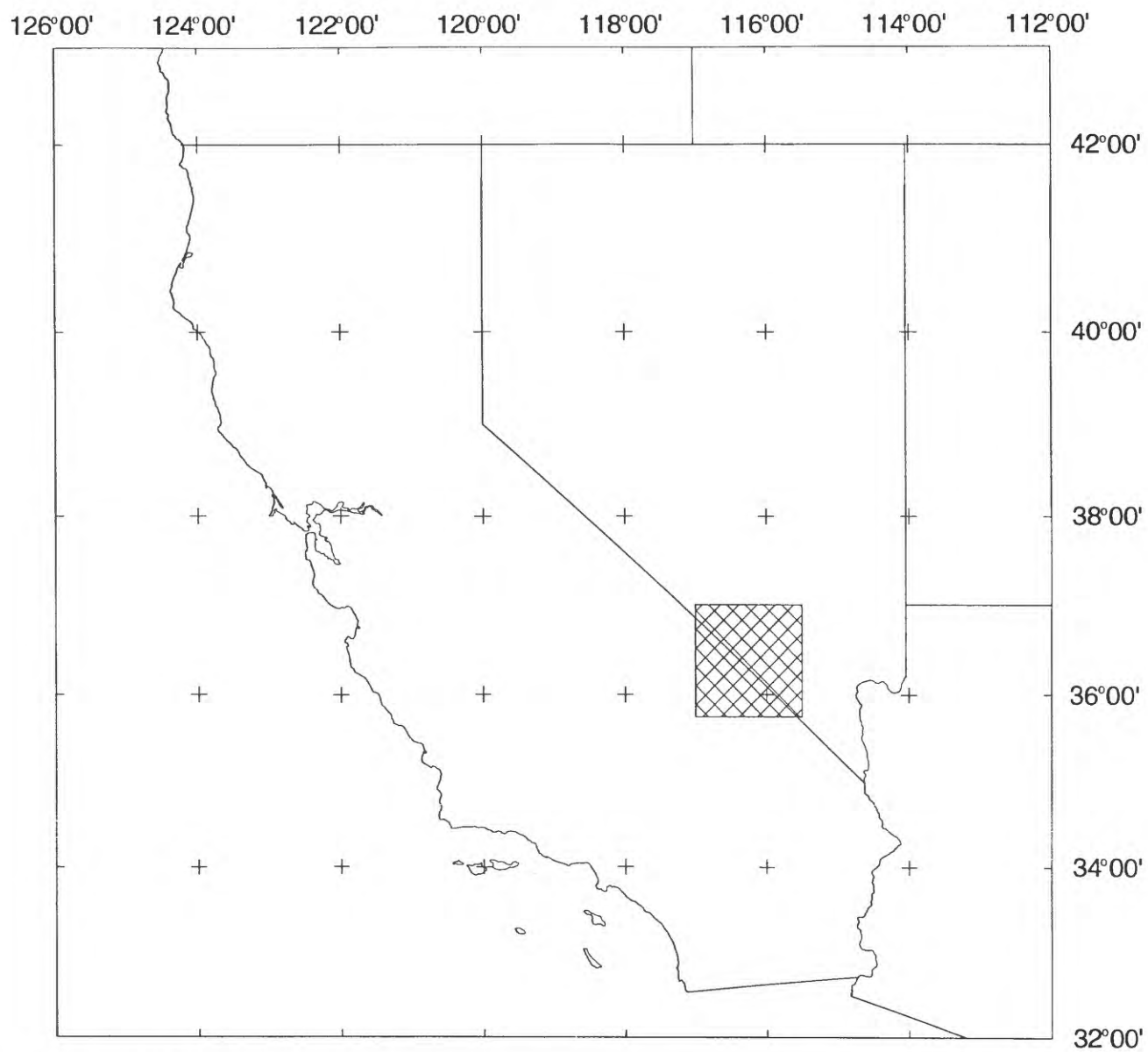


FIGURE 1.— Index map of study area.

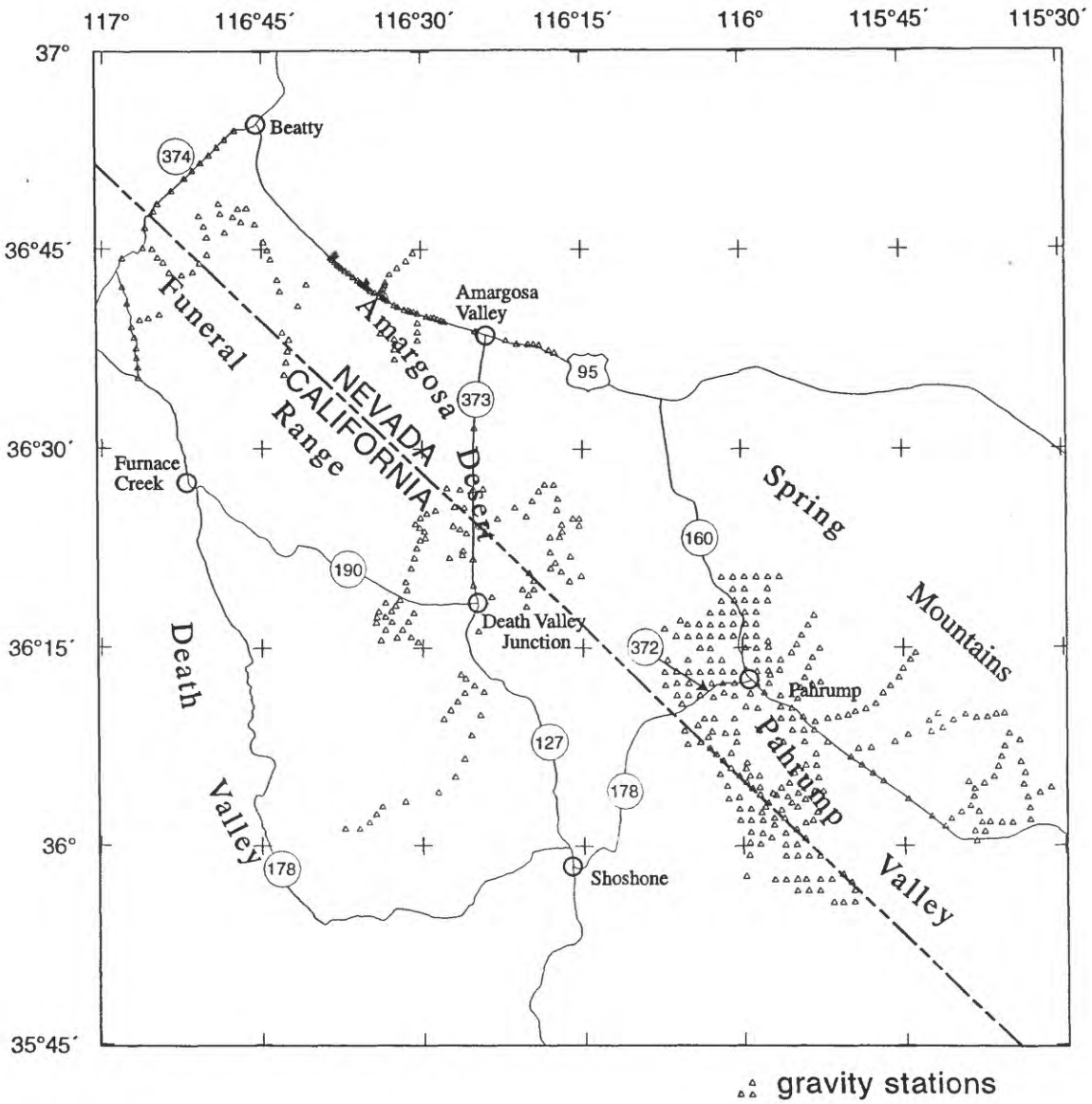


FIGURE 2.— Study area showing locations of towns, highways, and selected geographic place names.

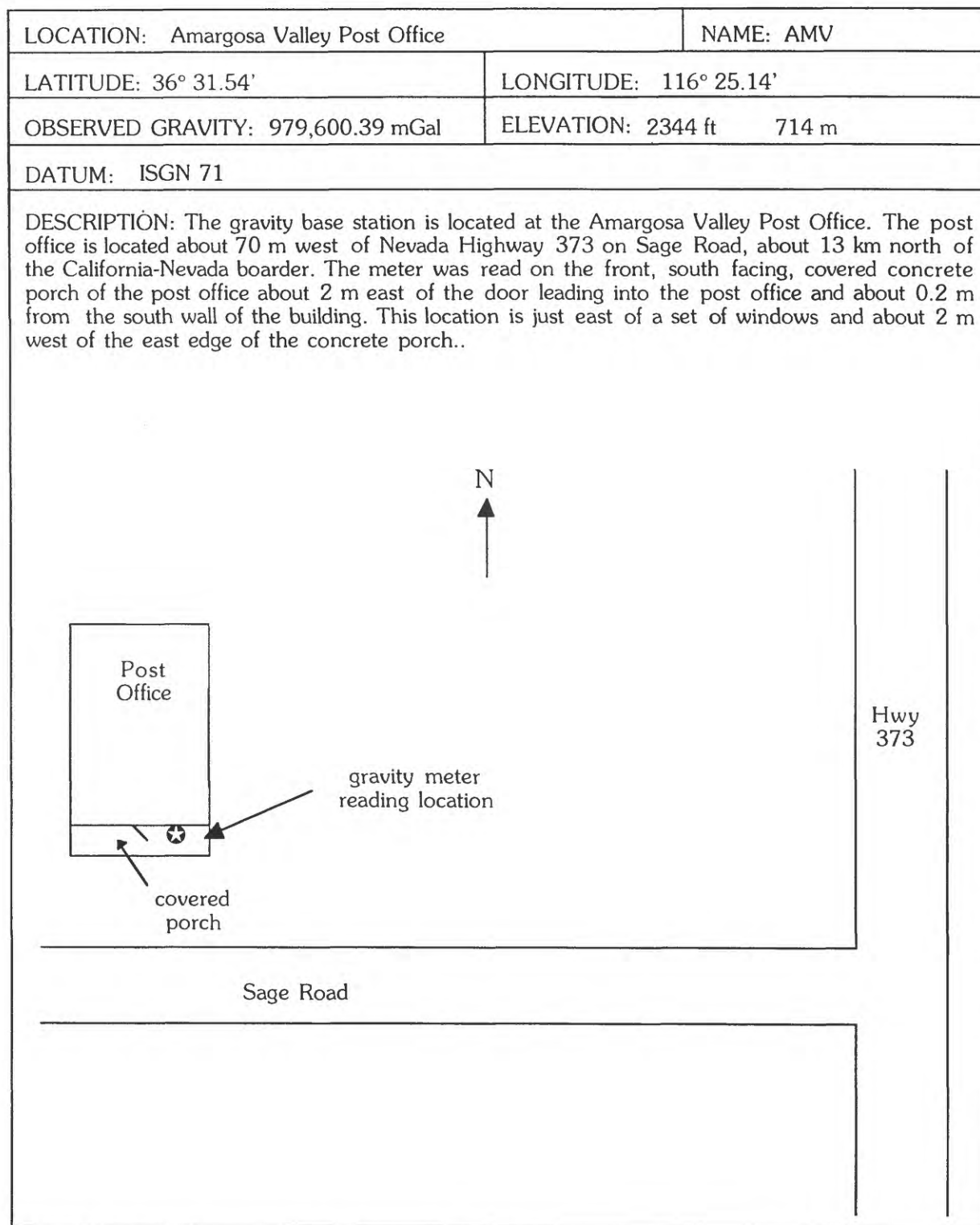


FIGURE 3.— Gravity base station at Amargosa Valley, NV

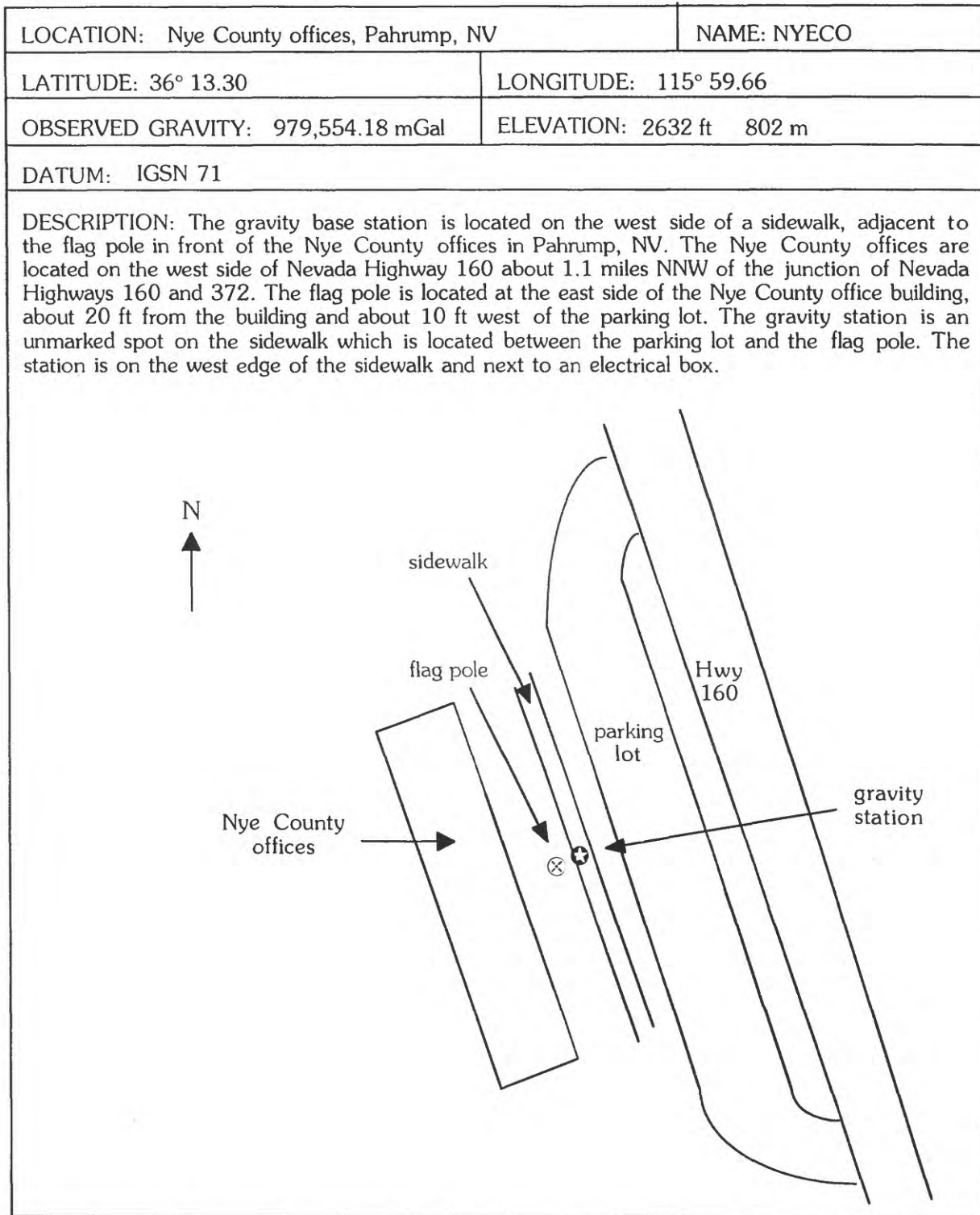


FIGURE 4.— Gravity base station at Pahrump, NV

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Table 1.— Principal facts of gravity stations

[DEG, degrees; MIN minutes; ELEV, elevation; FT, feet; MGAL, milligals; FAA, free-air anomaly; SBA, simple Bouguer anomaly; CBA, complete Bouguer anomaly]

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION INNER TOTAL (MGAL)	CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
AMV 36 31.540	116 25.140	2344.0	979600.39	-42.81	-122.76	0.00	0.06	-123.56	-11.54
IJD 36 44.550	116 38.730	2687.0	979603.63	-26.09	-117.74	0.01	0.61	-118.09	3.88
NYECO 36 13.300	115 59.660	2632.0	979554.18	-35.70	-125.47	0.01	1.31	-125.10	-8.81
98ASH001 36 18.450	116 24.200	2056.3	979599.78	-51.64	-121.77	0.02	0.38	-122.17	-17.42
98ASH002 36 18.770	116 23.560	2043.0	979599.66	-53.47	-123.15	0.00	0.36	-123.55	-18.44
98ASH003 36 19.310	116 20.670	2099.5	979597.20	-51.39	-123.00	0.01	0.26	-123.52	-17.16
98ASH004 36 18.890	116 20.100	2164.0	979594.21	-47.71	-121.52	0.01	0.26	-122.07	-15.70
98ASH005 36 18.040	116 20.290	2146.0	979597.73	-44.66	-117.85	0.01	0.30	-118.36	-12.45
98ASH006 36 20.510	116 20.020	2106.0	979595.35	-54.35	-126.18	0.00	0.23	-126.74	-19.46
98ASH007 36 19.950	116 19.600	2160.0	979591.81	-52.01	-125.68	0.01	0.25	-126.24	-19.08
98ASH008 36 19.330	116 19.590	2217.0	979588.07	-49.50	-125.11	0.01	0.25	-125.68	-18.89
98ASH009 36 20.870	116 18.050	2213.0	979594.27	-45.89	-121.37	0.01	0.29	-121.90	-13.59
98ASH010 36 20.620	116 17.050	2277.3	979593.57	-40.18	-117.85	0.01	0.38	-118.31	-9.62
98ASH011 36 19.890	116 16.270	2359.7	979591.68	-33.28	-113.76	0.02	0.46	-114.16	-5.49
98ASH012 36 20.280	116 15.160	2319.5	979591.34	-37.96	-117.07	0.01	0.51	-117.41	-7.94
98ASH013 36 21.260	116 17.610	2210.0	979595.39	-45.61	-120.99	0.00	0.30	-121.51	-12.77
98ASH014 36 21.740	116 16.200	2247.0	979589.96	-48.25	-124.89	0.00	0.48	-125.24	-15.54
98ASH015 36 22.070	116 18.050	2188.0	979598.22	-46.02	-120.64	0.00	0.24	-121.22	-12.27
98ASH016 36 23.230	116 18.060	2218.0	979597.81	-45.28	-120.92	0.00	0.22	-121.53	-11.95
98ASH017 36 23.180	116 17.170	2249.0	979594.10	-46.00	-122.70	0.00	0.29	-123.25	-13.22
98ASH018 36 23.600	116 16.940	2274.0	979595.64	-42.71	-120.27	0.00	0.32	-120.79	-10.38
98ASH019 36 25.280	116 17.400	2377.0	979598.32	-32.76	-113.84	0.02	0.39	-114.32	-3.25
98ASH020 36 26.150	116 17.370	2584.2	979589.55	-23.30	-111.44	0.49	0.86	-111.51	0.11
98ASH021 36 27.220	116 17.670	2448.0	979599.86	-27.34	-110.83	0.05	0.34	-111.39	0.74
98ASH022 36 27.250	116 18.550	2368.5	979601.71	-33.01	-113.79	0.10	0.34	-114.32	-2.61
98ASH023 36 26.730	116 19.090	2298.0	979597.10	-43.50	-121.88	0.00	0.20	-122.53	-11.37
98ASH024 36 25.990	116 19.730	2206.5	979594.15	-53.99	-129.25	0.00	0.16	-129.91	-19.48
98ASH025 36 24.140	116 16.970	2287.0	979597.51	-40.40	-118.40	0.00	0.34	-118.90	-8.22
98ASH026 36 24.070	116 15.340	2355.3	979594.50	-36.88	-117.21	0.00	0.78	-117.30	-5.81
98ASH027 36 24.610	116 15.360	2383.0	979595.35	-34.21	-115.48	0.00	0.80	-115.55	-3.74
98ASH028 36 24.610	116 15.930	2385.0	979598.65	-30.72	-112.06	0.01	0.55	-112.39	-0.94
98ASH029 36 24.790	116 20.270	2170.3	979597.17	-52.65	-126.67	0.00	0.12	-127.36	-17.91
98ASH030 36 25.510	116 21.330	2143.0	979596.78	-56.64	-129.73	0.00	0.12	-130.41	-20.99
98ASH031 36 23.500	116 25.910	2113.0	979601.68	-51.67	-123.73	0.00	0.33	-124.20	-17.44
98ASH032 36 23.820	116 26.520	2133.0	979603.39	-48.54	-121.29	0.00	0.37	-121.71	-14.98
98ASH033 36 24.060	116 27.160	2164.3	979604.97	-44.36	-118.18	0.00	0.42	-118.57	-11.93
98ASH034 36 23.160	116 29.740	2628.0	979593.79	-10.64	-100.27	0.21	1.45	-99.77	5.67
98ASH035 36 22.990	116 30.200	2647.0	979591.46	-10.94	-101.22	0.12	1.65	-100.52	4.71
98ASH036 36 22.380	116 30.530	2837.7	979582.87	-0.72	-97.50	0.16	2.43	-96.07	8.75
98ASH037 36 21.640	116 30.750	3145.0	979564.15	10.52	-96.75	0.31	2.86	-94.96	9.40
98ASH038 36 20.910	116 31.060	3039.4	979572.91	10.40	-93.26	0.70	4.08	-90.23	13.73
98ASH039 36 19.850	116 31.580	2834.7	979584.23	4.00	-92.68	0.28	2.64	-91.04	12.35
98ASH040 36 19.260	116 31.450	2709.0	979588.42	-2.78	-95.18	0.07	1.39	-94.75	8.40
98ASH041 36 18.540	116 32.110	2579.0	979583.20	-19.19	-107.15	0.01	0.94	-107.14	-4.45
98ASH042 36 18.090	116 32.500	2646.5	979577.99	-17.41	-107.67	0.01	0.84	-107.78	-5.37
98ASH043 36 17.680	116 32.880	2692.7	979574.87	-15.60	-107.43	0.01	0.87	-107.52	-5.40
98ASH044 36 17.280	116 33.490	2801.0	979570.67	-9.04	-104.57	0.02	0.99	-104.57	-2.81
98ASH045 36 17.640	116 34.080	2850.0	979567.01	-8.61	-105.81	0.04	1.11	-105.70	-3.92
98ASH046 36 17.210	116 34.300	2875.0	979566.29	-6.36	-104.41	0.07	1.30	-104.12	-2.57
98ASH047 36 16.830	116 34.350	2946.0	979559.72	-5.71	-106.18	0.04	1.37	-105.84	-4.51

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION INNER TOTAL (MGAL)	CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
98ASH048	36 16.900	116 32.880	2683.7	979576.78	-13.41	-104.94	0.03 1.01	-104.89	-3.10
98ASH049	36 16.300	116 33.470	2802.0	979569.42	-8.78	-104.35	0.04 1.38	-103.96	-2.63
98ASH050	36 15.530	116 33.890	3012.1	979557.59	0.25	-102.48	0.48 2.07	-101.46	-0.58
98ASH051	36 16.300	116 31.900	2689.0	979576.57	-12.26	-103.97	0.08 0.89	-104.04	-2.29
98ASH052	36 15.730	116 32.400	2748.0	979573.52	-8.94	-102.67	0.07 1.07	-102.58	-1.18
98ASH053	36 16.920	116 31.360	2520.3	979584.42	-21.16	-107.12	0.06 0.83	-107.21	-5.01
98ASH054	36 17.560	116 30.800	2443.3	979590.13	-23.61	-106.95	0.03 0.77	-107.07	-4.47
98ASH055	36 15.740	116 31.120	2623.0	979579.54	-14.69	-104.15	0.04 0.85	-104.25	-2.56
98ASH056	36 15.380	116 30.440	2572.0	979580.59	-17.92	-105.64	0.01 0.79	-105.77	-4.03
98ASH057	36 18.310	116 33.450	2740.0	979572.86	-14.06	-107.51	0.01 0.97	-107.51	-5.27
98ASH058	36 16.210	116 24.840	2035.7	979605.66	-44.47	-113.90	0.00 0.46	-114.21	-10.70
98ASH059	36 19.610	116 25.310	2066.0	979602.61	-49.56	-120.03	0.00 0.37	-120.44	-15.48
98ASH060	36 21.550	116 25.330	2085.0	979600.21	-52.97	-124.08	0.00 0.36	-124.50	-18.59
98ASH061	36 22.200	116 26.220	2145.0	979601.43	-47.04	-120.20	0.01 0.42	-120.58	-14.62
98ASH062	36 21.660	116 27.540	2308.0	979602.96	-29.40	-108.12	0.02 0.99	-107.98	-2.68
98ASH063	36 21.870	116 26.290	2143.0	979602.57	-45.61	-118.70	0.01 0.48	-119.02	-13.23
98ASH064	36 23.650	116 29.820	2454.0	979597.88	-23.62	-107.31	0.03 1.12	-107.08	-1.38
98ASH065	36 23.930	116 30.250	2435.0	979599.01	-24.68	-107.73	0.02 1.24	-107.37	-1.64
98ASH066	36 24.210	116 30.640	2490.7	979596.29	-22.56	-107.51	0.05 1.31	-107.11	-1.35
98ASH067	36 24.680	116 30.170	2400.5	979599.29	-28.72	-110.59	0.01 0.85	-110.62	-4.48
98ASH068	36 25.050	116 29.590	2316.0	979600.87	-35.62	-114.61	0.01 0.63	-114.83	-8.33
98ASH069	36 25.240	116 28.810	2249.7	979602.46	-40.54	-117.27	0.00 0.47	-117.63	-10.82
98ASH070	36 25.550	116 27.030	2194.7	979600.58	-48.04	-122.89	0.01 0.24	-123.47	-15.96
98ASH071	36 25.480	116 26.130	2192.8	979599.25	-49.44	-124.23	0.00 0.17	-124.88	-17.16
98ASH072	36 24.010	116 24.630	2147.3	979596.95	-53.91	-127.14	0.00 0.17	-127.78	-20.41
98ASH073	36 24.280	116 24.070	2160.7	979597.75	-52.24	-125.93	0.00 0.13	-126.61	-18.91
98ASH074	36 24.620	116 22.980	2165.0	979601.64	-48.43	-122.27	0.01 0.11	-122.97	-14.69
98ASH075	36 23.680	116 24.190	2152.0	979596.09	-53.85	-127.25	0.00 0.16	-127.89	-20.54
98ASH076	36 11.690	116 24.380	2237.8	979592.17	-32.46	-108.79	0.07 0.71	-108.91	-7.41
98ASH077	36 12.170	116 25.250	2303.7	979589.07	-30.06	-108.63	0.03 0.65	-108.83	-7.34
98ASH078	36 12.690	116 26.070	2363.8	979585.34	-28.88	-109.50	0.02 0.65	-109.72	-8.17
98ASH079	36 12.960	116 26.490	2376.0	979584.16	-29.30	-110.34	0.03 0.69	-110.52	-8.91
98ASH080	36 11.620	116 26.160	2482.5	979572.93	-28.59	-113.26	0.05 0.83	-113.33	-12.30
98ASH081	36 10.950	116 26.820	2683.0	979558.22	-23.49	-115.00	0.05 1.01	-114.95	-14.43
98ASH082	36 10.280	116 27.470	2899.3	979542.92	-17.49	-116.37	0.07 1.26	-116.12	-16.15
98ASH083	36 9.620	116 28.100	3201.8	979525.23	-5.79	-114.99	0.12 1.78	-114.30	-14.84
98ASH084	36 9.940	116 24.670	2455.0	979567.90	-33.80	-117.53	0.06 1.00	-117.42	-16.92
98ASH085	36 8.400	116 25.550	2763.0	979541.86	-28.67	-122.90	0.06 1.24	-122.64	-23.20
98ASH086	36 6.630	116 26.190	3129.5	979524.52	-9.01	-115.74	0.08 1.39	-115.42	-17.22
98ASH087	36 5.260	116 27.060	3179.0	979520.33	-6.58	-115.00	0.04 1.21	-114.88	-17.73
98ASH088	36 4.050	116 28.630	2952.0	979537.90	-8.61	-109.30	0.15 1.34	-108.98	-12.94
98ASH089	36 3.360	116 31.680	3232.3	979523.09	3.92	-106.32	0.02 1.48	-105.94	-11.02
98ASH090	36 2.980	116 33.850	3560.8	979512.23	24.49	-96.95	0.18 2.51	-95.61	-1.44
98ASH091	36 2.370	116 34.400	3710.0	979507.82	34.98	-91.55	0.11 2.77	-89.98	3.65
98ASH092	36 1.760	116 35.030	3889.0	979497.69	42.56	-90.08	0.12 3.18	-88.14	4.90
98ASH093	36 1.260	116 35.930	4161.3	979479.93	51.11	-90.81	0.39 4.30	-87.79	4.70
98ASH094	36 1.290	116 37.320	4238.0	979475.71	54.06	-90.48	0.28 5.25	-86.53	5.69
98ASH095	36 54.010	116 47.520	3599.0	979549.57	-8.08	-130.83	0.20 1.17	-130.84	2.85
98ASH096	36 53.320	116 48.440	3418.0	979563.18	-10.49	-127.07	0.03 1.15	-127.05	5.67
98ASH097	36 52.720	116 49.210	3352.0	979567.55	-11.46	-125.78	0.02 1.05	-125.86	5.99
98ASH098	36 52.130	116 49.960	3375.0	979565.86	-10.13	-125.24	0.01 0.91	-125.46	5.46
98ASH099	36 51.540	116 50.730	3415.0	979560.67	-10.71	-127.18	0.01 0.86	-127.46	2.55
98ASH100	36 50.940	116 51.490	3458.0	979555.82	-10.65	-128.59	0.01 0.87	-128.86	0.20

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION		CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
							INNER	TOTAL		
98ASH101	36 50.360	116 52.230	3512.0	979550.22	-10.33	-130.11	0.01	0.94	-130.33	-2.14
98ASH102	36 49.410	116 53.450	3606.0	979546.81	-3.53	-126.52	0.02	1.23	-126.46	0.15
98ASH103	36 48.420	116 54.790	3920.0	979535.98	16.59	-117.11	0.31	2.53	-115.82	9.13
98ASH104	36 47.850	116 55.190	4066.3	979531.67	26.86	-111.83	0.63	3.04	-110.05	14.00
98ASH105	36 46.560	116 55.940	4084.7	979540.56	39.34	-99.97	0.75	4.36	-96.88	25.11
98ASH106	36 45.030	116 56.150	3407.0	979585.69	22.97	-93.23	0.48	4.02	-90.35	29.33
98ASH107	36 44.280	116 58.090	2651.7	979631.68	-0.97	-91.41	0.18	4.60	-87.76	30.70
98ASH108	36 42.130	116 58.110	1645.3	979689.79	-34.40	-90.51	0.06	3.84	-87.32	27.97
98ASH109	36 40.900	116 57.650	1220.7	979709.79	-52.55	-94.19	0.05	3.76	-90.92	22.69
98ASH110	36 39.650	116 56.430	700.2	979739.76	-69.73	-93.61	0.07	4.63	-89.28	22.73
98ASH111	36 39.820	116 55.610	892.5	979728.26	-63.39	-93.83	0.12	5.45	-88.75	23.56
98ASH112	36 40.080	116 54.570	1330.0	979704.21	-46.67	-92.03	0.58	7.74	-84.82	27.95
98ASH113	36 39.150	116 57.250	632.3	979741.11	-74.05	-95.61	0.04	3.59	-92.29	19.09
98ASH114	36 38.350	116 56.970	390.8	979749.83	-86.89	-100.22	0.05	3.73	-96.66	13.73
98ASH115	36 37.500	116 56.800	219.1	979753.98	-97.66	-105.13	0.04	3.63	-101.60	7.89
98ASH116	36 36.800	116 56.750	117.4	979755.02	-105.18	-109.18	0.06	3.52	-105.71	3.05
98ASH117	36 36.070	116 56.620	-35.8	979760.82	-112.74	-111.52	0.04	3.58	-107.92	0.11
98ASH118	36 35.290	116 56.550	-191.0	979767.46	-119.57	-113.06	0.02	3.67	-109.29	-1.98
98ASH119	36 45.000	116 55.240	3660.0	979570.85	31.96	-92.87	0.29	3.38	-90.68	29.06
98ASH120	36 44.330	116 54.720	3551.0	979578.04	29.87	-91.24	0.41	3.86	-88.55	30.23
98ASH121	36 43.980	116 54.200	3786.3	979563.99	38.45	-90.69	0.38	3.87	-88.04	30.22
98ASH122	36 43.200	116 53.680	4301.3	979531.81	55.81	-90.89	0.31	5.58	-86.62	30.58
98ASH123	36 43.040	116 52.500	4306.0	979532.03	56.70	-90.16	0.17	4.55	-86.92	30.20
98ASH124	36 43.250	116 51.450	4029.0	979547.26	45.59	-91.83	0.09	3.27	-89.82	27.79
98ASH125	36 43.900	116 50.800	3806.3	979555.86	32.31	-97.50	0.04	2.15	-96.57	22.06
98ASH126	36 44.550	116 50.080	3561.8	979564.04	16.57	-104.91	0.03	1.48	-104.60	15.16
98ASH127	36 45.850	116 50.120	3350.0	979566.68	-2.58	-116.84	0.02	1.10	-116.86	4.80
98ASH128	36 46.690	116 50.400	3320.0	979566.20	-7.10	-120.33	0.02	1.02	-120.43	2.41
98ASH129	36 47.480	116 50.880	3348.0	979565.37	-6.44	-120.62	0.01	0.96	-120.78	3.14
98ASH130	36 47.680	116 48.860	3108.0	979582.13	-12.53	-118.53	0.00	0.75	-118.85	5.72
98ASH131	36 48.460	116 49.000	3140.0	979575.55	-17.23	-124.32	0.00	0.71	-124.69	0.98
98ASH132	36 36.750	116 32.520	2421.7	979607.07	-36.34	-118.94	0.00	0.15	-119.67	-5.28
98ASH133	36 37.500	116 32.520	2424.7	979603.36	-40.85	-123.55	0.01	0.18	-124.25	-9.10
98ASH134	36 38.270	116 32.520	2455.0	979602.00	-40.47	-124.20	0.00	0.16	-124.93	-9.00
98ASH135	36 38.720	116 33.820	2465.0	979604.82	-37.36	-121.43	0.00	0.18	-122.15	-6.05
98ASH136	36 48.110	116 46.410	2940.3	979584.00	-27.05	-127.33	0.01	0.68	-127.68	-2.14
98ASH137	36 48.050	116 47.190	2992.3	979583.41	-22.67	-124.72	0.01	0.65	-125.11	0.22
98ASH138	36 47.450	116 47.650	3001.7	979586.14	-18.18	-120.56	0.02	0.69	-120.91	3.46
98ASH139	36 46.260	116 48.420	3128.0	979579.78	-10.95	-117.63	0.04	0.84	-117.86	4.65
98ASH140	36 47.060	116 46.870	2941.7	979587.60	-21.80	-122.13	0.03	0.70	-122.46	1.50
98ASH141	36 46.850	116 45.610	2874.0	979589.61	-25.85	-123.88	0.01	0.67	-124.21	-0.37
98ASH142	36 45.490	116 44.820	2810.5	979594.80	-24.67	-120.53	0.01	0.61	-120.91	1.16
98ASH143	36 44.880	116 44.470	2782.3	979596.46	-24.78	-119.67	0.01	0.58	-120.08	1.19
98ASH144	36 44.220	116 44.170	2754.0	979596.63	-26.32	-120.25	0.01	0.57	-120.65	-0.20
98ASH145	36 42.700	116 43.560	2692.3	979603.83	-22.72	-114.55	0.00	0.61	-114.90	3.61
98ASH146	36 41.870	116 43.320	2655.0	979613.35	-15.51	-106.06	0.01	0.67	-106.34	11.16
98ASH147	36 38.770	116 43.110	2661.3	979625.61	1.81	-88.95	0.15	0.90	-89.00	24.77
98ASH148	36 38.230	116 42.480	2624.0	979625.01	-1.51	-91.01	0.02	0.73	-91.22	22.06
98ASH149	36 37.360	116 42.610	2685.3	979618.50	-1.00	-92.59	0.03	0.85	-92.70	19.56
98ASH150	36 36.510	116 42.730	2838.0	979610.00	6.08	-90.71	0.05	1.10	-90.61	20.70
98ASH151	36 35.570	116 42.900	3191.9	979588.99	19.70	-89.16	0.33	1.97	-88.27	22.09
98ASH152	36 40.780	116 41.580	2591.3	979616.34	-16.94	-105.32	0.02	0.46	-105.79	10.74
98ASH153	36 42.350	116 40.820	2625.0	979599.75	-32.63	-122.16	0.02	0.39	-122.71	-4.00

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION INNER TOTAL (MGAL)	CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
98ASH154	36 26.920	116 24.330	2191.3	979595.35	-55.56	-130.30	0.02 0.10	-131.01	-21.86
98ASH155	36 26.970	116 27.710	2250.7	979597.65	-47.74	-124.51	0.01 0.20	-125.14	-17.04
98ASH156	36 26.850	116 26.460	2213.3	979600.53	-48.21	-123.70	0.01 0.15	-124.37	-15.91
98ASH157	36 26.880	116 25.270	2232.0	979596.10	-50.92	-127.05	0.00 0.09	-127.79	-18.95
98NYE001	36 44.350	116 38.488	2679.7	979603.55	-26.57	-117.97	0.00 0.57	-118.35	3.44
98NYE002	36 44.354	116 38.464	2680.0	979603.73	-26.36	-117.77	0.00 0.58	-118.15	3.65
98NYE003	36 44.368	116 38.444	2682.2	979603.83	-26.09	-117.56	0.01 0.59	-117.93	3.88
98NYE004	36 44.389	116 38.408	2685.8	979604.06	-25.55	-117.15	0.01 0.59	-117.51	4.34
98NYE005	36 44.408	116 38.375	2689.9	979604.27	-24.98	-116.72	0.01 0.60	-117.08	4.80
98NYE006	36 44.429	116 38.342	2693.7	979604.39	-24.53	-116.40	0.01 0.61	-116.76	5.17
98NYE007	36 44.449	116 38.309	2697.7	979604.54	-24.03	-116.04	0.01 0.61	-116.39	5.56
98NYE008	36 44.467	116 38.277	2702.1	979604.58	-23.61	-115.77	0.01 0.62	-116.11	5.88
98NYE009	36 44.487	116 38.244	2706.2	979604.64	-23.19	-115.49	0.01 0.63	-115.82	6.21
98NYE010	36 44.506	116 38.211	2710.6	979604.66	-22.79	-115.24	0.02 0.65	-115.55	6.51
98NYE011	36 44.526	116 38.177	2715.9	979604.65	-22.33	-114.96	0.03 0.67	-115.26	6.83
98NYE012	36 44.546	116 38.143	2721.8	979604.48	-21.97	-114.80	0.04 0.69	-115.08	7.04
98NYE013	36 44.565	116 38.111	2727.4	979604.31	-21.63	-114.65	0.06 0.71	-114.91	7.23
98NYE014	36 44.583	116 38.078	2732.2	979604.13	-21.39	-114.57	0.09 0.76	-114.78	7.40
98NYE015	36 44.604	116 38.045	2738.9	979603.87	-21.05	-114.46	0.14 0.82	-114.61	7.61
98NYE016	36 44.619	116 38.021	2743.5	979603.67	-20.84	-114.41	0.23 0.92	-114.46	7.79
98NYE017	36 44.614	116 38.026	2741.8	979603.78	-20.88	-114.39	0.19 0.88	-114.48	7.76
98NYE018	36 44.594	116 38.061	2735.4	979603.97	-21.26	-114.55	0.12 0.80	-114.73	7.47
98NYE019	36 44.575	116 38.093	2730.1	979604.22	-21.48	-114.59	0.08 0.74	-114.82	7.34
98NYE020	36 44.555	116 38.128	2724.2	979604.43	-21.80	-114.71	0.05 0.70	-114.98	7.14
98NYE021	36 44.536	116 38.162	2718.4	979604.61	-22.15	-114.86	0.03 0.67	-115.15	6.95
98NYE022	36 44.516	116 38.193	2713.6	979604.62	-22.56	-115.11	0.02 0.65	-115.42	6.65
98NYE023	36 44.496	116 38.226	2708.1	979604.68	-22.99	-115.35	0.02 0.64	-115.67	6.37
98NYE024	36 44.478	116 38.259	2704.4	979604.63	-23.36	-115.59	0.01 0.62	-115.93	6.07
98NYE025	36 44.458	116 38.293	2699.9	979604.54	-23.84	-115.92	0.01 0.62	-116.27	5.70
98NYE026	36 44.439	116 38.326	2695.4	979604.44	-24.34	-116.26	0.01 0.61	-116.62	5.31
98NYE027	36 44.418	116 38.358	2691.0	979604.35	-24.81	-116.59	0.01 0.60	-116.95	4.95
98NYE028	36 44.399	116 38.390	2688.1	979604.14	-25.26	-116.94	0.01 0.60	-117.31	4.56
98NYE029	36 44.379	116 38.425	2684.2	979603.94	-25.80	-117.35	0.01 0.59	-117.71	4.12
98NYE030	36 44.341	116 38.496	2678.4	979603.52	-26.71	-118.06	0.00 0.57	-118.44	3.33
98NYE031	36 42.313	116 35.361	2571.3	979598.65	-38.72	-126.42	0.01 0.42	-126.92	-7.03
98NYE032	36 42.323	116 35.344	2575.8	979598.16	-38.80	-126.65	0.01 0.42	-127.15	-7.24
98NYE033	36 42.336	116 35.333	2578.3	979597.85	-38.90	-126.84	0.01 0.43	-127.34	-7.42
98NYE034	36 42.351	116 35.322	2581.4	979597.50	-38.98	-127.02	0.01 0.43	-127.52	-7.59
98NYE035	36 42.364	116 35.313	2582.7	979597.29	-39.08	-127.16	0.01 0.44	-127.66	-7.72
98NYE036	36 42.379	116 35.303	2586.0	979596.89	-39.20	-127.40	0.01 0.44	-127.88	-7.91
98NYE037	36 42.396	116 35.295	2589.4	979596.62	-39.18	-127.49	0.02 0.46	-127.97	-7.98
98NYE038	36 42.411	116 35.286	2592.9	979596.18	-39.30	-127.74	0.02 0.45	-128.21	-8.20
98NYE039	36 42.424	116 35.277	2595.7	979595.88	-39.35	-127.88	0.02 0.46	-128.36	-8.34
98NYE040	36 42.438	116 35.266	2598.3	979595.56	-39.46	-128.08	0.02 0.46	-128.54	-8.49
98NYE041	36 42.453	116 35.255	2601.4	979595.26	-39.48	-128.20	0.02 0.47	-128.67	-8.60
98NYE042	36 42.467	116 35.243	2604.9	979594.96	-39.48	-128.32	0.03 0.49	-128.77	-8.68
98NYE043	36 42.481	116 35.235	2608.5	979594.70	-39.42	-128.38	0.03 0.49	-128.83	-8.72
98NYE044	36 42.496	116 35.225	2613.9	979594.27	-39.37	-128.52	0.03 0.49	-128.97	-8.83
98NYE045	36 42.514	116 35.220	2617.6	979594.00	-39.30	-128.58	0.03 0.49	-129.03	-8.88
98NYE046	36 42.528	116 35.209	2622.4	979593.64	-39.24	-128.68	0.04 0.50	-129.12	-8.95
98NYE047	36 42.540	116 35.196	2627.3	979593.13	-39.30	-128.91	0.04 0.50	-129.35	-9.16
98NYE048	36 42.554	116 35.187	2631.3	979592.67	-39.40	-129.15	0.05 0.51	-129.58	-9.38
98NYE049	36 42.567	116 35.177	2635.3	979592.21	-39.52	-129.40	0.06 0.52	-129.81	-9.58

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION INNER TOTAL (MGAL)	CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
98NYE050	36 42.586	116 35.173	2642.2	979591.61	-39.50	-129.61	0.08 0.55	-130.01	-9.76
98NYE051	36 42.410	116 35.570	2571.6	979600.34	-37.14	-124.85	0.01 0.42	-125.36	-5.42
98NYE052	36 41.900	116 34.710	2580.5	979595.65	-40.26	-128.27	0.02 0.39	-128.81	-9.27
98NYE053	36 41.480	116 33.900	2599.3	979593.49	-40.05	-128.70	0.00 0.29	-129.35	-10.11
98NYE054	36 40.830	116 32.510	2582.0	979592.93	-41.30	-129.36	0.02 0.35	-129.93	-11.15
98NYE055	36 40.310	116 30.700	2551.8	979593.62	-42.69	-129.73	0.00 0.24	-130.41	-11.80
98NYE056	36 39.750	116 28.500	2584.3	979595.77	-36.68	-124.82	0.07 0.23	-125.52	-6.92
98NYE057	36 39.900	116 29.100	2576.7	979595.13	-38.25	-126.13	0.05 0.23	-126.83	-8.22
98NYE058	36 40.420	116 31.220	2543.0	979593.63	-43.67	-130.40	0.01 0.29	-131.03	-12.40
98NYE059	36 41.290	116 33.410	2596.7	979592.11	-41.40	-129.96	0.00 0.30	-130.60	-11.52
98NYE060	36 42.680	116 35.950	2581.7	979602.34	-34.58	-122.64	0.01 0.42	-123.14	-2.92
98NYE061	36 43.190	116 36.800	2608.8	979608.30	-26.81	-115.79	0.00 0.43	-116.29	4.35
98NYE062	36 44.020	116 38.120	2659.3	979603.95	-27.61	-118.31	0.00 0.54	-118.72	2.72
98NYE063	36 43.730	116 37.740	2646.6	979603.20	-29.14	-119.40	0.01 0.50	-119.85	1.29
98NYE064	36 39.860	116 28.830	2604.0	979595.62	-35.14	-123.95	0.00 0.16	-124.72	-6.08
98NYE065	36 38.830	116 24.790	2649.7	979583.34	-41.63	-132.00	0.01 0.14	-132.81	-14.04
98NYE066	36 38.520	116 23.540	2649.5	979582.06	-42.48	-132.85	0.00 0.16	-133.64	-14.76
98NYE067	36 38.170	116 22.100	2673.3	979589.65	-32.15	-123.33	0.01 0.25	-124.03	-4.96
98NYE068	36 37.920	116 21.080	2749.7	979591.23	-23.03	-116.81	0.03 0.36	-117.42	1.74
98NYE069	36 37.890	116 20.010	2830.0	979587.37	-19.29	-115.81	0.01 0.38	-116.43	3.14
98NYE070	36 37.890	116 19.500	2852.7	979585.69	-18.84	-116.13	0.00 0.33	-116.80	3.01
98NYE071	36 37.820	116 18.990	2860.3	979585.25	-18.46	-116.02	0.00 0.32	-116.70	3.21
98NYE072	36 37.430	116 18.080	2824.3	979588.23	-18.31	-114.63	0.04 0.41	-115.21	4.74
98NYE073	36 37.230	116 17.560	2818.0	979586.80	-20.04	-116.15	0.03 0.44	-116.70	3.27
98NYE074	36 12.940	115 57.440	2931.1	979537.98	-23.26	-123.23	0.02 1.71	-122.53	-4.74
98NYE075	36 12.310	115 57.530	2870.3	979537.27	-28.78	-126.68	0.02 1.58	-126.10	-8.87
98NYE076	36 12.250	115 58.690	2713.0	979545.65	-35.10	-127.63	0.01 1.31	-127.29	-11.03
98NYE077	36 11.520	115 59.270	2649.0	979539.78	-45.94	-136.29	0.00 1.09	-136.15	-20.94
98NYE078	36 10.530	115 59.690	2622.0	979533.27	-53.57	-143.00	0.00 0.90	-143.03	-28.95
98NYE079	36 10.440	115 58.600	2652.5	979531.21	-52.63	-143.10	0.00 1.06	-142.99	-28.14
98NYE080	36 11.610	115 58.000	2723.0	979538.81	-40.09	-132.96	0.01 1.37	-132.55	-16.25
98NYE081	36 11.420	115 56.480	2864.9	979533.41	-31.87	-129.58	0.04 1.73	-128.86	-11.51
98NYE082	36 10.520	115 56.460	2720.0	979533.05	-44.56	-137.33	0.00 1.57	-136.73	-20.08
98NYE083	36 9.670	115 56.430	2694.0	979527.37	-51.47	-143.35	0.00 1.39	-142.92	-26.97
98NYE084	36 8.770	115 58.460	2638.0	979527.99	-54.82	-144.79	0.00 0.89	-144.85	-31.24
98NYE085	36 7.900	115 56.280	2691.0	979523.40	-53.18	-144.96	0.00 1.06	-144.85	-30.28
98NYE086	36 8.780	115 55.330	2711.2	979526.99	-48.95	-141.42	0.00 1.42	-140.96	-24.91
98NYE087	36 10.450	115 55.400	2797.0	979533.57	-36.70	-132.10	0.02 1.83	-131.25	-13.86
98NYE088	36 11.150	115 54.840	2970.8	979534.29	-20.64	-121.97	0.03 2.23	-120.77	-2.37
98NYE089	36 11.970	115 54.560	3195.9	979525.02	-9.93	-118.93	0.06 2.65	-117.36	1.90
98NYE090	36 12.730	115 54.190	3474.2	979510.13	0.26	-118.23	0.23 3.36	-116.03	4.08
98NYE091	36 13.490	115 53.770	3761.5	979492.65	8.70	-119.59	0.06 3.55	-117.26	3.71
98NYE092	36 14.220	115 53.390	4042.0	979476.22	17.59	-120.27	0.36 3.85	-117.68	4.10
98NYE093	36 14.910	115 52.690	4386.0	979457.83	30.55	-119.04	0.34 4.15	-116.22	6.50
98NYE094	36 12.390	115 52.690	3722.2	979495.81	9.74	-117.21	0.50 5.59	-112.82	8.09
98NYE095	36 12.220	115 53.480	3430.5	979512.14	-1.11	-118.11	0.09 3.98	-115.27	5.00
98NYE096	36 9.750	115 54.320	2785.0	979538.52	-31.87	-126.86	0.02 2.02	-125.82	-8.15
98NYE097	36 9.660	115 55.350	2724.5	979530.07	-45.88	-138.81	0.00 1.65	-138.12	-21.34
98NYE098	36 8.770	115 54.250	2753.0	979533.63	-38.37	-132.26	0.00 1.70	-131.54	-14.64
98NYE099	36 7.900	115 54.240	2769.0	979530.69	-38.55	-132.99	0.01 1.44	-132.54	-16.42
98NYE100	36 6.990	115 53.170	2903.6	979528.66	-26.62	-125.65	0.01 1.40	-125.27	-9.18
98NYE101	36 6.130	115 53.140	2895.6	979522.65	-32.15	-130.91	0.01 1.21	-130.71	-15.33
98NYE102	36 6.140	115 54.120	2794.3	979522.61	-41.73	-137.03	0.01 1.08	-136.94	-22.26

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION INNER TOTAL (MGAL)	CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
98NYE103	36 5.200	115 54.120	2810.8	979518.58	-42.86	-138.73	0.01 0.93	-138.79	-24.92
98NYE104	36 5.530	115 55.180	2750.0	979521.51	-46.12	-139.91	0.01 0.87	-140.02	-26.63
98NYE105	36 4.780	115 55.660	2703.0	979525.52	-45.45	-137.64	0.01 0.77	-137.83	-25.44
98NYE106	36 4.420	115 56.420	2629.0	979534.83	-42.59	-132.25	0.01 0.73	-132.46	-20.91
98NYE107	36 3.970	115 57.260	2589.0	979541.40	-39.13	-127.43	0.00 0.66	-127.71	-17.12
98NYE108	36 3.240	115 57.680	2548.0	979540.60	-42.74	-129.64	0.00 0.66	-129.90	-20.18
98NYE109	36 2.930	115 57.940	2533.0	979540.21	-44.10	-130.49	0.00 0.66	-130.75	-21.45
98NYE110	36 2.500	115 58.300	2516.0	979541.86	-43.43	-129.24	0.00 0.67	-129.48	-20.76
98NYE111	36 12.330	116 0.790	2595.7	979553.61	-38.29	-126.82	0.00 0.94	-126.82	-12.18
98NYE112	36 13.170	116 0.810	2595.0	979556.00	-37.17	-125.68	0.00 1.03	-125.58	-10.33
98NYE113	36 13.190	116 1.880	2576.0	979558.46	-36.53	-124.38	0.00 0.87	-124.44	-10.04
98NYE114	36 14.060	116 1.910	2580.0	979561.32	-34.54	-122.53	0.00 0.96	-122.50	-7.46
98NYE115	36 14.050	116 2.980	2566.3	979564.10	-33.03	-120.56	0.00 0.83	-120.66	-6.48
98NYE116	36 14.940	116 2.980	2565.0	979567.54	-31.00	-118.48	0.00 0.95	-118.45	-3.63
98NYE117	36 14.950	116 3.990	2560.7	979569.46	-29.49	-116.83	0.00 0.86	-116.89	-2.89
98NYE118	36 14.040	116 5.100	2544.8	979570.19	-28.95	-115.75	0.00 0.73	-115.94	-3.45
98NYE119	36 14.060	116 7.020	2749.3	979561.91	-18.03	-111.80	0.05 0.83	-111.94	-0.93
98NYE120	36 13.180	116 6.170	2536.0	979573.77	-24.96	-111.46	0.00 0.63	-111.74	-0.68
98NYE121	36 13.180	116 7.290	2611.3	979571.41	-20.24	-109.30	0.05 0.70	-109.54	0.68
98NYE122	36 13.150	116 5.080	2544.7	979571.09	-26.78	-113.57	0.01 0.63	-113.86	-2.01
98NYE123	36 13.160	116 4.010	2549.0	979565.99	-31.49	-118.43	0.00 0.68	-118.67	-5.99
98NYE124	36 13.180	116 2.980	2560.0	979562.08	-34.40	-121.71	0.00 0.75	-121.88	-8.37
98NYE125	36 12.310	116 1.890	2579.0	979558.68	-34.76	-122.72	0.00 0.78	-122.86	-9.12
98NYE126	36 12.290	116 2.950	2556.0	979564.65	-30.92	-118.10	0.00 0.70	-118.32	-5.44
98NYE127	36 12.300	116 5.060	2532.0	979570.16	-27.69	-114.04	0.00 0.59	-114.37	-3.09
98NYE128	36 12.300	116 6.150	2530.0	979574.49	-23.54	-109.83	0.00 0.57	-110.18	0.28
98NYE129	36 12.170	116 7.260	2690.0	979566.96	-15.84	-107.59	0.16 0.65	-107.90	1.66
98NYE130	36 11.430	116 6.150	2525.0	979572.69	-24.56	-110.68	0.00 0.55	-111.05	-1.19
98NYE131	36 11.420	116 5.080	2520.7	979569.87	-27.78	-113.75	0.00 0.58	-114.08	-3.46
98NYE132	36 10.750	116 5.720	2529.6	979568.21	-27.64	-113.91	0.01 0.55	-114.28	-4.61
98NYE133	36 11.420	116 4.000	2537.8	979565.07	-30.97	-117.52	0.00 0.60	-117.84	-6.42
98NYE134	36 11.260	116 2.750	2562.0	979553.62	-39.91	-127.29	0.00 0.65	-127.56	-15.30
98NYE135	36 11.610	116 1.780	2579.0	979551.26	-41.18	-129.14	0.00 0.75	-129.32	-16.02
98NYE136	36 11.400	116 0.770	2595.0	979542.99	-47.64	-136.15	0.00 0.85	-136.23	-22.32
98NYE137	36 9.670	116 0.770	2592.0	979537.51	-50.92	-139.32	0.00 0.71	-139.54	-27.00
98NYE138	36 9.660	116 2.680	2535.0	979552.71	-41.06	-127.52	0.00 0.62	-127.82	-16.73
98NYE139	36 9.670	116 3.610	2521.0	979559.09	-36.01	-122.00	0.01 0.61	-122.30	-11.88
98NYE140	36 9.160	116 4.190	2514.2	979562.97	-32.04	-117.79	0.00 0.60	-118.10	-8.50
98NYE141	36 8.730	116 5.460	2483.3	979568.71	-28.59	-113.29	0.00 0.72	-113.47	-5.08
98NYE142	36 7.760	116 5.200	2487.0	979565.79	-29.77	-114.59	0.00 0.84	-114.65	-6.78
98NYE143	36 7.880	116 3.990	2503.7	979561.52	-32.64	-118.03	0.00 0.67	-118.27	-9.48
98NYE144	36 8.250	116 3.280	2529.0	979561.44	-30.87	-117.13	0.00 0.60	-117.44	-7.86
98NYE145	36 8.670	116 2.870	2539.0	979558.38	-33.60	-120.19	0.00 0.59	-120.52	-10.32
98NYE146	36 8.570	116 1.680	2542.0	979550.73	-40.82	-127.52	0.03 0.64	-127.79	-16.78
98NYE147	36 8.600	116 0.590	2570.0	979541.08	-47.88	-135.53	0.01 0.68	-135.78	-23.95
98NYE148	36 7.900	116 0.610	2573.0	979544.39	-43.28	-131.04	0.00 0.64	-131.33	-20.06
98NYE149	36 7.070	116 1.100	2545.8	979551.27	-37.77	-124.60	0.00 0.60	-124.92	-14.68
98NYE150	36 6.480	116 1.850	2531.4	979553.72	-35.83	-122.17	0.00 0.61	-122.47	-13.22
98NYE151	36 6.970	116 2.500	2524.3	979556.30	-34.62	-120.71	0.00 0.63	-121.00	-11.84
98NYE152	36 7.440	116 3.090	2527.0	979558.75	-32.59	-118.78	0.00 0.62	-119.07	-9.98
98NYE153	36 5.930	116 1.160	2528.0	979551.80	-37.28	-123.50	0.00 0.62	-123.80	-14.49
98NYE154	36 5.300	116 0.340	2537.0	979550.34	-36.99	-123.52	0.00 0.63	-123.81	-14.38
98NYE155	36 4.810	115 59.670	2537.3	979544.14	-42.46	-129.00	0.00 0.64	-129.27	-19.74

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION INNER TOTAL (MGAL)	CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
98NYE156	36 4.360	115 59.130	2535.0	979542.58	-43.59	-130.05	0.00 0.65	-130.32	-20.78
98NYE157	36 4.430	115 58.450	2553.0	979541.10	-43.48	-130.55	0.00 0.65	-130.83	-20.76
98NYE158	36 3.880	115 58.450	2540.8	979541.57	-43.37	-130.02	0.00 0.65	-130.29	-20.66
98NYE159	36 1.900	115 58.210	2516.0	979540.96	-43.47	-129.28	0.00 0.66	-129.53	-21.22
98NYE160	36 1.900	115 59.310	2506.8	979544.78	-40.51	-126.01	0.00 0.76	-126.16	-18.61
98NYE161	36 1.900	116 0.280	2507.0	979549.55	-35.73	-121.23	0.01 1.01	-121.13	-14.26
98NYE162	36 2.780	116 0.370	2496.6	979549.70	-37.81	-122.96	0.02 0.88	-122.98	-15.51
98NYE163	36 3.650	116 0.380	2494.0	979548.49	-40.52	-125.58	0.02 0.76	-125.72	-17.60
98NYE164	36 4.530	116 1.470	2499.7	979552.18	-37.55	-122.81	0.01 0.79	-122.93	-14.92
98NYE165	36 5.450	116 2.140	2513.0	979552.19	-37.61	-123.32	0.00 0.74	-123.49	-15.24
98NYE166	36 3.580	116 1.400	2510.0	979553.88	-33.52	-119.13	0.00 0.94	-119.10	-11.77
98NYE167	36 2.770	115 59.280	2501.4	979544.46	-42.59	-127.90	0.01 0.72	-128.09	-19.85
98NYE168	36 1.020	115 59.300	2506.7	979543.88	-40.16	-125.66	0.00 0.84	-125.72	-18.83
98NYE169	36 0.120	115 58.400	2523.0	979542.73	-38.49	-124.54	0.00 0.71	-124.74	-17.89
98NYE170	36 0.210	115 59.390	2523.0	979547.80	-33.55	-119.60	0.00 0.94	-119.57	-13.33
98NYE171	35 59.240	115 59.460	2599.0	979550.35	-22.46	-111.10	0.01 1.06	-110.98	-5.50
98NYE172	35 57.680	115 59.750	2812.0	979541.27	-9.28	-105.19	0.03 1.02	-105.16	-1.01
98NYE173	35 57.440	115 57.110	2637.2	979543.57	-23.07	-113.02	0.06 0.75	-113.21	-7.40
98NYE174	35 57.440	115 56.050	2619.0	979536.70	-31.65	-120.98	0.00 0.57	-121.35	-14.78
98NYE175	35 57.440	115 54.980	2588.9	979530.31	-40.87	-129.17	0.00 0.55	-129.55	-22.25
98NYE176	35 57.440	115 54.190	2604.8	979524.17	-45.52	-134.36	0.00 0.53	-134.76	-26.96
98NYE177	35 57.450	115 52.850	2644.0	979520.26	-45.76	-135.93	0.00 0.54	-136.34	-27.64
98NYE178	35 56.580	115 52.850	2625.3	979524.02	-42.51	-132.05	0.01 0.61	-132.38	-24.28
98NYE179	35 56.580	115 53.920	2621.0	979529.28	-37.65	-127.05	0.00 0.61	-127.37	-19.95
98NYE180	35 56.570	115 54.990	2640.5	979534.74	-30.35	-120.40	0.04 0.72	-120.63	-13.94
98NYE181	35 59.180	115 52.850	2623.0	979526.65	-43.82	-133.28	0.02 0.62	-133.60	-23.65
98NYE182	35 59.190	115 53.920	2600.0	979526.63	-46.02	-134.69	0.00 0.56	-135.07	-25.80
98NYE183	35 59.180	115 54.990	2583.0	979528.60	-45.63	-133.73	0.00 0.54	-134.12	-25.60
98NYE184	35 59.190	115 56.050	2557.0	979532.05	-44.64	-131.85	0.01 0.57	-132.20	-24.40
98NYE185	36 0.050	115 56.050	2559.0	979532.03	-45.70	-132.98	0.00 0.58	-133.32	-24.87
98NYE186	36 0.580	115 57.370	2530.0	979536.31	-44.91	-131.20	0.00 0.62	-131.50	-23.58
98NYE187	36 0.900	115 58.200	2506.3	979539.31	-44.60	-130.08	0.01 0.69	-130.29	-22.75
98NYE188	36 0.930	115 56.060	2562.0	979532.50	-46.21	-133.59	0.00 0.62	-133.90	-24.83
98NYE189	36 1.540	115 57.130	2521.8	979537.08	-46.29	-132.30	0.00 0.66	-132.55	-23.74
98NYE190	36 0.060	115 54.980	2585.0	979529.20	-46.10	-134.27	0.00 0.59	-134.61	-25.42
98NYE197	36 6.290	115 59.630	2604.0	979542.88	-39.57	-128.38	0.01 0.67	-128.65	-17.93
98NYE198	36 5.870	115 59.720	2579.3	979545.62	-38.55	-126.52	0.02 0.66	-126.79	-16.46
98NYE199	36 5.310	115 59.360	2567.0	979544.81	-39.71	-127.26	0.01 0.65	-127.54	-17.40
98NYE200	36 5.300	115 58.460	2591.0	979540.50	-41.75	-130.12	0.01 0.66	-130.39	-19.61
98NYE201	36 3.730	115 55.870	2638.0	979534.92	-40.66	-130.63	0.00 0.72	-130.85	-19.45
98NYE202	36 3.250	115 55.490	2641.0	979534.81	-39.80	-129.87	0.00 0.74	-130.08	-18.81
98NYE203	36 2.920	115 54.940	2671.0	979530.49	-40.83	-131.92	0.02 0.75	-132.13	-20.72
98NYE204	36 3.500	115 54.210	2815.3	979517.79	-40.79	-136.81	0.01 0.74	-137.06	-24.71
98NYE205	36 4.130	115 53.350	2869.0	979514.84	-39.59	-137.44	0.00 0.87	-137.58	-24.10
98NYE206	36 4.140	115 52.500	2906.3	979515.11	-35.83	-134.95	0.00 0.94	-135.03	-20.96
98NYE207	36 5.180	115 52.920	2909.8	979517.04	-35.06	-134.31	0.00 1.06	-134.26	-19.56
98NYE208	36 2.510	115 53.070	2848.0	979518.03	-36.06	-133.19	0.01 0.73	-133.46	-21.11
98NYE209	36 1.900	115 53.460	2746.0	979525.31	-37.49	-131.15	0.02 0.70	-131.43	-19.80
98NYE210	36 1.720	115 54.160	2670.3	979530.25	-39.41	-130.49	0.00 0.69	-130.75	-19.75
98NYE211	36 1.220	115 55.040	2602.0	979532.83	-42.54	-131.28	0.00 0.66	-131.56	-21.58
98NYE212	36 0.520	115 54.180	2621.0	979531.07	-41.51	-130.90	0.00 0.64	-131.20	-21.15
98NYE213	36 2.100	115 57.120	2534.8	979538.72	-44.23	-130.68	0.00 0.66	-130.93	-21.66
98NYE214	36 2.070	115 56.160	2562.3	979536.88	-43.44	-130.83	0.00 0.69	-131.06	-21.17

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION INNER TOTAL (MGAL)	CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
98NVE215	36 3.980	115 54.870	2726.0	979524.37	-43.29	-136.27	0.01 0.77	-136.47	-24.17
98NVE216	36 3.840	115 56.960	2582.7	979541.51	-39.43	-127.51	0.01 0.70	-127.74	-17.03
98NVE217	36 2.710	115 56.470	2569.3	979541.41	-39.17	-126.80	0.01 0.70	-127.03	-16.84
98NVE218	36 8.780	115 53.280	2915.0	979534.32	-22.46	-121.88	0.03 1.96	-120.94	-3.34
98NVE219	36 7.890	115 52.080	3061.0	979527.46	-14.31	-118.71	0.02 1.93	-117.84	-0.19
98NVE220	36 6.740	115 49.920	3319.8	979511.89	-3.90	-117.13	0.01 1.93	-116.32	1.75
98NVE221	36 6.120	115 48.900	3405.0	979505.81	-1.08	-117.21	0.02 1.93	-116.42	1.76
98NVE222	36 5.500	115 47.890	3448.0	979503.45	1.49	-116.11	0.01 1.88	-115.37	2.87
98NVE223	36 4.900	115 46.910	3422.2	979504.74	1.22	-115.50	0.02 1.87	-114.77	3.51
98NVE224	36 3.540	115 44.680	3313.6	979507.64	-4.14	-117.16	0.02 1.96	-116.31	1.99
98NVE225	36 2.180	115 42.450	3499.8	979498.41	6.08	-113.28	0.02 1.75	-112.69	5.36
98NVE226	36 1.420	115 41.190	3660.8	979489.07	12.97	-111.89	0.01 1.68	-111.40	6.41
98NVE227	36 2.010	115 40.600	3806.0	979482.00	18.70	-111.10	0.02 1.92	-110.40	8.08
98NVE228	36 2.520	115 39.660	4007.8	979473.67	28.62	-108.08	0.06 2.34	-106.99	12.13
98NVE229	36 3.020	115 38.790	4226.0	979461.84	36.58	-107.55	0.08 2.68	-106.17	13.53
98NVE230	36 3.700	115 38.460	4427.4	979451.36	44.06	-106.94	0.04 2.97	-105.30	14.94
98NVE231	36 4.290	115 38.400	4595.8	979442.78	50.47	-106.28	0.07 3.45	-104.19	16.50
98NVE232	36 4.830	115 38.930	4814.2	979429.55	56.99	-107.20	0.59 4.55	-104.03	16.98
98NVE233	36 4.670	115 37.480	4698.0	979436.55	53.30	-106.93	0.35 4.10	-104.20	16.91
98NVE234	36 5.210	115 36.560	4931.7	979422.38	60.32	-107.88	0.38 4.27	-105.00	16.56
98NVE235	36 5.980	115 36.150	5150.4	979409.43	66.82	-108.84	0.38 4.77	-105.49	16.65
98NVE236	36 6.720	115 35.900	5370.6	979396.41	73.44	-109.73	0.72 5.24	-105.93	16.70
98NVE237	36 7.520	115 35.590	5692.1	979378.56	84.66	-109.47	0.24 5.04	-105.91	17.23
98NVE238	36 2.530	115 38.030	4183.0	979463.41	34.81	-107.85	0.02 2.27	-106.87	12.58
98NVE239	36 1.700	115 37.730	4137.0	979464.49	32.76	-108.34	0.04 2.07	-107.55	11.26
98NVE240	36 1.050	115 38.390	3992.9	979472.71	28.36	-107.82	0.03 1.88	-107.20	11.00
98NVE241	36 0.280	115 38.230	3912.2	979476.36	25.53	-107.90	0.03 1.81	-107.33	10.34
98NVE242	36 1.690	115 34.910	4793.3	979422.90	52.88	-110.60	1.87 5.36	-106.62	12.25
98NVE243	36 1.700	115 35.900	4369.0	979452.49	42.57	-106.44	0.05 2.77	-104.99	14.00
98NVE244	36 1.740	115 37.010	4182.0	979461.63	34.07	-108.56	0.02 2.22	-107.63	11.32
98NVE245	36 0.980	115 37.450	4059.8	979469.40	31.44	-107.02	0.04 2.00	-106.28	11.99
98NVE246	36 1.880	115 33.270	4810.0	979425.17	56.45	-107.60	0.06 3.03	-105.96	13.03
98NVE247	36 2.800	115 33.310	4964.6	979416.60	61.09	-108.23	0.14 3.32	-106.31	13.31
98NVE248	36 3.650	115 33.530	5131.0	979407.02	65.93	-109.07	0.02 3.03	-107.46	12.75
98NVE249	36 4.000	115 32.400	5433.8	979387.91	74.78	-110.54	0.06 3.72	-108.27	11.93
98NVE250	36 4.390	115 31.320	5766.6	979367.98	85.57	-111.10	1.48 6.46	-106.12	14.02
98NVE251	36 4.610	115 33.870	5328.0	979397.43	73.48	-108.23	0.23 3.61	-106.06	14.82
98NVE252	36 5.490	115 33.710	5066.0	979412.38	62.54	-110.24	0.22 4.56	-107.09	14.55
98NVE253	36 6.330	115 34.100	5146.5	979408.58	65.11	-110.42	0.86 5.55	-106.29	16.01
98NVE254	36 7.970	115 34.220	5480.0	979390.53	76.05	-110.85	0.63 6.00	-106.31	17.11
98NVE255	36 8.490	115 35.180	5967.6	979361.90	92.50	-111.03	0.49 5.96	-106.56	17.17
98NVE256	36 14.060	115 58.660	2787.8	979547.27	-29.05	-124.13	0.02 1.63	-123.49	-5.78
98NVE257	36 13.190	115 58.650	2767.3	979547.84	-29.16	-123.54	0.02 1.46	-123.06	-6.04
98NVE258	36 13.220	115 57.540	2933.3	979538.27	-23.16	-123.21	0.03 1.75	-122.48	-4.57
98NVE259	36 14.090	115 57.530	3010.0	979533.78	-21.69	-124.35	0.05 1.94	-123.45	-4.84
98NVE260	36 13.280	115 56.510	3144.8	979526.71	-14.92	-122.18	0.04 2.06	-121.20	-2.45
98NVE261	36 14.060	115 56.420	3274.0	979519.05	-11.56	-123.22	0.04 2.29	-122.03	-2.60
98NVE262	36 14.610	115 55.370	3615.0	979499.91	0.58	-122.72	0.08 2.83	-121.06	-0.41
98NVE263	36 15.180	115 54.880	3806.0	979488.08	5.88	-123.93	0.08 3.13	-122.01	-0.61
98NVE264	36 15.910	115 54.420	4019.0	979476.99	13.77	-123.30	0.08 3.53	-121.03	1.23
98NVE265	36 16.620	115 53.820	4253.5	979463.51	21.31	-123.76	0.10 4.18	-120.87	2.29
98NVE266	36 17.360	115 53.260	4528.0	979450.57	33.12	-121.32	0.66 6.02	-116.64	7.36
98NVE267	36 14.940	115 59.710	2690.3	979554.85	-31.90	-123.66	0.02 1.54	-123.08	-5.56

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION		CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
							INNER	TOTAL		
98NVE268	36 14.950	115 58.690	2844.0	979544.53	-27.79	-124.78	0.03	1.77	-124.02	-5.66
98NVE269	36 15.010	115 57.540	3087.8	979530.33	-19.15	-124.46	0.04	2.12	-123.40	-4.11
98NVE270	36 15.430	115 57.580	3096.0	979529.77	-19.54	-125.13	0.07	2.24	-123.96	-4.38
98NVE271	36 15.820	115 59.740	2700.8	979556.39	-30.64	-122.75	0.02	1.69	-122.02	-3.87
98NVE272	36 15.820	115 58.700	2871.3	979544.84	-26.16	-124.09	0.03	1.95	-123.15	-4.18
98NVE273	36 16.720	115 58.690	2844.0	979548.47	-26.39	-123.39	0.03	2.26	-122.13	-2.48
98NVE274	36 17.610	115 58.660	2830.0	979548.56	-28.89	-125.42	0.11	2.80	-123.61	-3.28
98NVE275	36 18.460	115 58.640	2992.0	979543.10	-20.34	-122.39	0.05	2.93	-120.50	0.35
98NVE276	36 18.470	115 57.570	3267.8	979524.83	-12.70	-124.15	0.08	3.36	-121.89	-0.21
98NVE277	36 19.350	115 57.600	3486.0	979511.88	-6.40	-125.29	0.10	3.61	-122.83	-0.70
98NVE278	36 20.240	115 57.550	3763.0	979496.76	3.25	-125.10	0.12	3.92	-122.39	0.26
98NVE279	36 20.240	115 56.490	4098.0	979477.69	15.67	-124.10	0.13	4.84	-120.53	2.90
98NVE280	36 20.230	115 58.650	3471.0	979515.47	-5.48	-123.87	0.09	3.26	-121.75	0.09
98NVE281	36 20.240	115 59.740	3169.0	979535.41	-13.95	-122.03	0.07	2.84	-120.28	0.71
98NVE282	36 20.230	116 0.830	2934.0	979551.32	-20.12	-120.19	0.05	2.51	-118.70	1.43
98NVE283	36 20.230	116 1.910	2780.0	979561.55	-24.37	-119.19	0.01	2.41	-117.76	1.48
98NVE284	36 19.340	116 0.830	2751.8	979562.18	-25.12	-118.97	0.03	2.48	-117.46	2.13
98NVE285	36 19.340	115 59.750	2948.0	979548.39	-20.46	-121.00	0.05	2.73	-119.30	1.17
98NVE286	36 7.380	115 49.230	3446.8	979506.31	1.54	-116.02	0.02	2.40	-114.76	4.30
98NVE287	36 7.440	115 48.040	3618.8	979495.96	7.28	-116.15	0.02	2.76	-114.57	5.28
98NVE288	36 7.880	115 45.910	3999.0	979477.68	24.11	-112.28	0.06	4.13	-109.41	11.95
98NVE289	36 8.440	115 44.660	4324.0	979459.49	35.67	-111.80	0.07	4.97	-108.14	14.26
98NVE290	36 9.460	115 42.650	5069.0	979415.63	60.38	-112.51	0.15	6.37	-107.55	16.31
98NVE291	36 10.000	115 41.760	5435.5	979393.52	71.94	-113.44	0.17	7.25	-107.64	16.79
98NVE292	36 8.630	115 42.470	4875.5	979425.64	53.39	-112.89	0.47	6.24	-108.04	15.23
98NVE293	36 8.910	115 41.360	5161.3	979407.52	61.73	-114.30	0.66	7.48	-108.24	15.53
98NVE294	36 9.530	115 40.310	5533.2	979387.41	75.69	-113.03	0.92	8.56	-105.92	18.46
98NVE295	36 9.940	115 39.190	5899.8	979365.91	88.06	-113.16	1.54	10.18	-104.46	20.30
98NVE296	36 9.690	115 38.140	6170.2	979351.10	99.02	-111.42	0.50	7.87	-105.05	19.52
98NVE297	36 9.730	115 37.140	6385.4	979339.12	107.21	-110.57	0.36	7.19	-104.89	19.67
98NVE298	36 9.960	115 36.300	6795.8	979312.68	119.01	-112.77	0.67	7.04	-107.25	17.31
98NVE299	36 10.010	115 35.560	6278.2	979345.37	102.98	-111.14	0.58	6.75	-105.90	18.87
98NVE300	36 15.840	116 0.830	2618.0	979561.71	-33.13	-122.42	0.00	1.43	-121.94	-4.70
98NVE301	36 15.830	116 1.930	2583.0	979566.07	-32.05	-120.15	0.00	1.24	-119.84	-3.55
98NVE302	36 15.830	116 2.990	2559.2	979568.57	-31.79	-119.07	0.01	1.15	-118.85	-3.41
98NVE303	36 15.830	116 4.050	2537.6	979570.26	-32.13	-118.68	0.06	1.19	-118.41	-3.87
98NVE304	36 15.820	116 5.100	2574.0	979573.11	-25.84	-113.63	0.00	1.10	-113.46	0.24
98NVE305	36 15.830	116 6.190	2639.0	979574.57	-18.29	-108.29	0.03	1.10	-108.13	4.73
98NVE306	36 16.380	116 7.310	2768.8	979567.56	-13.88	-108.31	0.06	1.04	-108.25	4.07
98NVE307	36 16.710	116 4.070	2562.6	979573.06	-28.24	-115.65	0.01	1.41	-115.15	0.01
98NVE308	36 16.700	116 5.160	2587.8	979576.18	-22.74	-111.00	0.01	1.57	-110.36	3.90
98NVE309	36 16.970	116 5.830	2746.2	979569.67	-14.74	-108.41	0.27	1.63	-107.75	6.13
98NVE310	36 16.670	116 3.000	2583.8	979569.58	-29.67	-117.80	0.00	1.30	-117.43	-1.41
98NVE311	36 16.700	116 1.920	2595.0	979566.54	-31.70	-120.21	0.00	1.41	-119.73	-2.79
98NVE312	36 16.730	116 0.830	2626.0	979562.50	-32.87	-122.43	0.00	1.61	-121.76	-3.87
98NVE313	36 16.710	115 59.690	2687.0	979557.99	-31.62	-123.26	0.01	1.97	-122.25	-3.42
98NVE314	36 17.590	115 59.730	2700.0	979559.68	-29.97	-122.06	0.01	2.23	-120.79	-1.39
98NVE315	36 17.600	116 0.810	2633.4	979563.88	-32.05	-121.86	0.00	1.87	-120.93	-2.43
98NVE316	36 17.580	116 1.890	2616.0	979567.46	-30.07	-119.30	0.00	1.61	-118.62	-1.04
98NVE317	36 17.570	116 2.990	2597.6	979570.63	-28.62	-117.21	0.00	1.60	-116.55	0.09
98NVE318	36 18.440	116 1.920	2630.4	979569.31	-28.11	-117.82	0.00	1.88	-116.88	1.23
98NVE319	36 18.480	116 0.700	2657.0	979566.01	-28.96	-119.58	0.01	2.27	-118.26	0.93
98NVE320	36 18.470	115 59.730	2780.6	979557.96	-25.38	-120.21	0.03	2.54	-118.65	1.33

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION INNER TOTAL (MGAL)	CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
98NVE321	36 9.410	115 53.200	2956.3	979533.66	-20.14	-120.97	0.04 2.24	-119.76	-1.56
98NVE322	36 9.660	115 52.030	3295.8	979517.01	-5.23	-117.63	0.06 2.78	-115.96	3.22
98NVE323	36 9.770	115 51.040	3574.8	979500.24	4.08	-117.85	0.07 3.16	-115.86	4.09
98NVE324	36 9.920	115 50.120	3832.8	979485.70	13.58	-117.14	0.16 3.65	-114.72	5.92
98NVE325	36 10.180	115 49.470	4094.0	979469.82	21.88	-117.75	0.08 3.72	-115.30	5.92
98NVE326	36 10.370	115 48.490	4400.0	979451.15	31.70	-118.36	0.09 4.10	-115.59	6.33
98NVE327	36 10.760	115 47.600	4732.2	979434.07	45.29	-116.10	0.10 4.71	-112.76	9.94
98NVE328	36 11.560	115 46.890	5214.4	979409.03	64.43	-113.41	0.22 5.57	-109.27	14.36
98NVE329	36 12.110	115 46.250	5596.0	979386.63	77.11	-113.75	0.30 6.42	-108.80	15.45
98NVE330	36 12.760	115 45.450	6030.0	979359.28	89.62	-116.04	0.44 8.01	-109.53	15.48
98NVE331	36 13.410	115 45.010	6221.6	979347.81	95.22	-116.97	1.07 11.08	-107.39	18.23
98NVE332	36 14.080	115 44.340	6605.3	979321.58	104.09	-121.19	1.95 16.52	-106.19	20.03
98NVE333	36 14.550	115 43.850	6885.0	979301.64	109.76	-125.06	4.46 22.20	-104.37	22.27
98NVE334	35 57.810	115 50.700	2718.8	979521.66	-37.84	-130.57	0.00 0.59	-130.95	-20.65
98NVE335	35 57.200	115 49.920	2732.8	979519.58	-37.73	-130.94	0.00 0.59	-131.32	-20.98
98NVE336	35 56.580	115 49.630	2751.3	979516.98	-37.70	-131.54	0.02 0.61	-131.90	-21.82
98NVE337	35 55.730	115 49.640	2831.0	979513.18	-32.79	-129.35	0.05 0.64	-129.70	-20.25
98NVE338	35 55.710	115 50.700	2680.0	979523.60	-36.54	-127.95	0.00 0.65	-128.25	-19.40
98NVE339	35 55.710	115 51.550	2667.0	979525.63	-35.73	-126.69	0.00 0.65	-127.00	-18.65
98NVE340	35 57.450	115 51.770	2672.0	979519.17	-44.21	-135.35	0.00 0.56	-135.74	-26.35
98NVE360	36 42.596	116 35.158	2644.2	979591.11	-39.82	-130.01	0.09 0.56	-130.39	-10.12
98NVE360	36 42.600	116 35.160	2644.2	979591.11	-39.82	-130.01	0.09 0.56	-130.39	-10.12
98NVE361	36 42.610	116 35.148	2652.1	979590.45	-39.75	-130.21	0.11 0.57	-130.58	-10.30
98NVE361	36 42.610	116 35.150	2652.1	979590.45	-39.75	-130.21	0.11 0.57	-130.58	-10.30
98NVE362	36 42.620	116 35.140	2657.2	979589.82	-39.92	-130.55	0.12 0.58	-130.92	-10.62
98NVE362	36 42.625	116 35.138	2657.2	979589.82	-39.92	-130.55	0.12 0.58	-130.92	-10.62
98NVE363	36 42.639	116 35.128	2663.7	979589.36	-39.80	-130.64	0.16 0.62	-130.98	-10.65
98NVE363	36 42.640	116 35.130	2663.7	979589.36	-39.80	-130.64	0.16 0.62	-130.98	-10.65
98NVE364	36 44.200	116 38.320	2667.0	979603.84	-27.26	-118.22	0.00 0.57	-118.61	3.01
98NVE365	36 43.840	116 37.880	2658.0	979603.11	-28.32	-118.97	0.01 0.51	-119.41	1.83
98NVE366	36 43.580	116 37.500	2635.0	979606.05	-27.16	-117.03	0.01 0.49	-117.49	3.50
98NVE367	36 43.380	116 37.160	2621.0	979606.76	-27.48	-116.87	0.00 0.46	-117.36	3.42
98NVE368	36 42.920	116 36.390	2589.0	979606.75	-29.83	-118.14	0.00 0.42	-118.65	1.72
98NVE369	36 42.520	116 35.700	2574.0	979601.00	-36.42	-124.21	0.01 0.43	-124.71	-4.65
98NVE370	36 42.170	116 35.120	2580.0	979597.12	-39.23	-127.22	0.01 0.40	-127.75	-7.97
98NVE371	36 42.040	116 34.890	2587.0	979595.28	-40.22	-128.45	0.02 0.40	-128.99	-9.31
98NVE372	36 41.720	116 34.330	2585.0	979594.58	-40.65	-128.81	0.02 0.36	-129.38	-9.95
98NVE373	36 41.400	116 33.660	2601.0	979592.64	-40.62	-129.33	0.00 0.29	-129.98	-10.80
98NVE374	36 41.140	116 33.130	2590.0	979591.96	-41.96	-130.30	0.01 0.33	-130.90	-11.94
98NVE375	36 40.680	116 32.190	2568.0	979592.82	-42.51	-130.09	0.03 0.35	-130.66	-11.96
98NVE376	36 40.490	116 31.590	2549.0	979592.72	-44.12	-131.05	0.02 0.31	-131.66	-13.03
98NVE377	36 40.340	116 31.000	2543.0	979593.96	-43.23	-129.96	0.01 0.26	-130.61	-12.03
98NVE378	36 40.190	116 30.360	2562.0	979597.48	-37.70	-125.08	0.00 0.21	-125.79	-7.21
98NVE379	36 39.500	116 30.360	2543.0	979593.01	-42.96	-129.69	0.00 0.15	-130.46	-12.65
98NVE380	36 38.810	116 30.360	2523.0	979593.87	-42.99	-129.04	0.00 0.11	-129.84	-12.78
98NVE381	36 38.160	116 30.360	2503.0	979597.85	-39.95	-125.32	0.00 0.10	-126.13	-9.76
98NVE382	36 39.980	116 29.510	2592.0	979595.24	-36.82	-125.22	0.00 0.17	-125.98	-7.40
98NVE383	36 39.650	116 28.150	2625.0	979594.74	-33.74	-123.27	0.00 0.13	-124.07	-5.46
98NVE384	36 39.580	116 27.900	2626.0	979593.99	-34.29	-123.86	0.00 0.13	-124.67	-6.07
98NVE385	36 38.880	116 25.010	2664.0	979584.07	-39.63	-130.49	0.00 0.12	-131.32	-12.56
98NVE386	36 38.740	116 24.430	2661.0	979582.14	-41.64	-132.40	0.00 0.13	-133.21	-14.44
98NVE387	36 41.540	116 33.360	2610.0	979589.06	-43.56	-132.57	0.00 0.35	-133.16	-13.78
98NVE388	36 41.760	116 33.890	2610.0	979590.96	-41.97	-130.99	0.01 0.36	-131.57	-12.01

Table 1.— Principal facts of gravity stations, continued

GRAVITY STATION NAME	LATITUDE (DEG MIN)	LONGITUDE (DEG MIN)	ELEV (FT)	OBSERVED GRAVITY (MGAL)	FAA (MGAL)	SBA (MGAL)	TERRAIN CORRECTION		CBA (MGAL)	ISOSTATIC ANOMALY (MGAL)
							INNER	TOTAL		
98NYE389	36 41.930	116 33.720	2636.0	979586.97	-43.77	-133.67	0.02	0.39	-134.22	-14.43
98NYE390	36 42.100	116 33.570	2647.0	979585.15	-44.80	-135.08	0.04	0.44	-135.58	-15.56
98NYE391	36 42.290	116 33.430	2664.0	979582.40	-46.22	-137.08	0.03	0.45	-137.59	-17.31
98NYE392	36 42.500	116 33.380	2665.0	979581.05	-47.78	-138.67	0.05	0.50	-139.12	-18.57
98NYE393	36 43.100	116 32.960	2697.0	979577.73	-48.96	-140.94	0.07	0.51	-141.40	-19.98
98NYE394	36 43.580	116 32.240	2772.0	979571.55	-48.78	-143.32	0.01	0.42	-143.88	-21.70
98NYE395	36 44.090	116 31.400	2855.0	979565.12	-48.14	-145.52	0.02	0.49	-146.03	-22.98
98NYE396	36 44.670	116 30.740	2934.0	979559.30	-47.37	-147.44	0.02	0.52	-147.94	-23.99