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PRINCIPAL FACTS FOR GRAVITY STATIONS IN THE WESTERN ARM OF THE BLACK ROCK DESERT, NEVADA

By Donald H. Schaefer and Douglas K. Maurer

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Conversion Factors and Abbreviations

Except for geophysical and related units of measure, only the "inch-pound" system is used in this report. Abbreviations and conversion factors from inch-pound to International (metric) units are listed below.

Multiply	By	To obtain
Feet (ft)	0.3048	Meters (m)
Miles (mi)	1.609	Kilometers (km)

Geophysical and related units used in this report are as follows:

For gravity, milligals (mgal).

For density, grams per cubic centimeter (g/cm^3).

National Geodetic Vertical Datum of 1929

In this report, the term "National Geodetic Vertical Datum of 1929" (or its abbreviation, "NGVD of 1929") replaces the formerly used term "mean sea level." The datum is derived from a general adjustment of the first-order leveling networks of both the United States and Canada.

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Abstract

Principal facts for 469 gravity stations in the Black Rock Desert include: Latitude, longitude, elevation, observed gravity, free-air anomaly, terrain correction to 103.6 miles, and simple and complete Bouguer anomaly values, at a density of 2.67 grams per cubic centimeter.

Introduction

During January through August 1979, gravity measurements were made at 469 stations in the western arm of the Black Rock Desert, between Gerlach and Soldiers Meadow, Nev.

Horizontal control for most stations in the southern part of the study area was obtained from a radar positioning system. Peripheral bedrock stations were tied to these stations with an electronic transit. In the northern part of the study area, bench marks, section corners, and road intersections were used, along with an electronic transit, to locate stations.

The accurate horizontal positions allowed elevations for the stations to be taken from 1:24,000-scale topographic maps with sufficient accuracy for the gravity survey.

The gravity observations were made with a Worden[1] temperature-controlled gravimeter with a scale factor of 0.0965 mgal per scale division. Four base stations in the study area were established, and one was occupied at the beginning, middle, and end of each working day. The base stations were tied to a U.S. Department of Defense gravity station located in Gerlach and having a standard absolute gravity value of 979,828.16 mgal (Peterson and Kaufmann, 1978, p. 5).

Principal facts and gravity data for each of the 469 stations are listed in table 1.

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1. Use of brand names in this report is for descriptive purposes only and does not constitute endorsement by the U.S. Geological Survey.

TABLE 1.--Principal facts for gravity stations

Station number: Gravity station number.

Latitude: North latitude, in degrees, minutes, and hundredths of minutes.

Longitude: West longitude, in degrees, minutes, and hundredths of minutes.

Elev.: Land-surface elevation in feet above National Geodetic Vertical Datum of 1929.

Observed gravity: Observed gravity, in milligals.

Terrain correction: Total terrain correction within a radius of 103.6 mi, at a density of 2.67 g/cm^3.

Free air anomaly: Free air anomaly, in milligals .

Sim. Bouguer anomaly: Simple Bouguer anomaly, in milligals, at a reduction density of 2.67 g/cm^3.

Comp. Bouguer anomaly: Complete Bouguer anomaly, in milligals, at a reduction density of 2.67 g/cm^3.

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
NOR01	41 18.40	119 9.57	4350.0	979872.84	1.76	-15.14	-163.50	-163.07
NOR02	41 18.15	119 10.08	4305.0	979875.90	1.48	-15.94	-162.77	-162.60
NOR03	41 17.36	119 10.38	4286.0	979876.89	1.25	-15.58	-161.76	-161.82
NOR04	41 16.67	119 10.62	4225.0	979878.66	1.26	-18.49	-162.59	-162.63
NOR05	41 16.02	119 10.52	4210.0	979877.86	1.25	-19.73	-163.32	-163.37
NOR06	41 15.33	119 10.78	4220.0	979875.21	1.28	-20.41	-164.34	-164.36
NOR07	41 15.47	119 10.07	4190.0	979876.88	1.25	-21.77	-164.68	-164.72
NOR08	41 16.02	119 9.85	4176.0	979877.43	1.35	-23.36	-165.78	-165.73
NOR09	41 16.57	119 9.83	4162.0	979879.98	1.51	-22.94	-164.89	-164.67
NOR10	41 17.18	119 10.18	4190.0	979882.45	1.48	-18.75	-161.66	-161.46
NOR11	41 17.68	119 10.03	4295.0	979876.74	1.41	-15.34	-161.82	-161.73
NOR12	41 13.10	119 6.22	4172.0	979863.79	1.51	-33.02	-175.31	-175.29
NOR13	41 13.60	119 7.10	4202.0	979860.12	1.24	-34.61	-177.93	-177.98
NOR14	41 14.40	119 7.53	4205.0	979862.43	1.45	-33.21	-176.63	-176.48
NOR15	41 15.17	119 8.00	4205.0	979866.06	1.62	-30.73	-174.15	-173.82
NOR16	41 15.70	119 8.48	4190.0	979870.03	1.67	-28.96	-171.87	-171.49
NOR17	41 16.37	119 8.63	4225.0	979873.35	1.82	-23.35	-167.45	-166.93
NOR18	41 16.78	119 8.83	4224.0	979875.38	1.89	-22.03	-166.09	-165.50
NOR19	41 17.20	119 9.03	4262.0	979874.59	1.85	-19.87	-165.23	-164.69
NOR20	41 17.60	119 9.20	4303.0	979874.50	1.82	-16.70	-163.46	-162.95
NOR21	41 17.93	119 9.33	4337.0	979873.12	1.79	-15.38	-163.30	-162.82
NOR22	41 17.62	119 9.52	4296.0	979875.24	1.66	-16.65	-163.17	-162.83
NOR23	41 17.17	119 9.78	4190.0	979881.41	1.62	-19.77	-162.68	-162.35
BR001	41 23.68	119 9.88	4540.0	979867.53	1.42	-10.47	-165.31	-165.24
BR002	41 22.83	119 10.83	4460.0	979869.72	1.34	-14.53	-166.64	-166.64
BR003	41 22.23	119 10.67	4421.0	979870.62	1.37	-16.40	-167.18	-167.14
BR004	41 21.97	119 10.97	4397.0	979870.38	1.34	-18.51	-168.47	-168.46
BR005	41 21.45	119 11.55	4374.0	979869.40	1.25	-20.87	-170.05	-170.13
BR006	41 21.57	119 11.85	4399.0	979866.15	1.20	-21.95	-171.99	-172.11
BR007	41 21.72	119 12.50	4477.0	979860.81	1.12	-20.18	-172.88	-173.10
BR008	41 21.73	119 13.07	4527.0	979856.84	1.12	-19.47	-173.87	-174.09
BR009	41 22.32	119 13.70	4681.0	979850.90	1.22	-11.81	-171.47	-171.62
SOL01	41 18.77	119 9.70	4347.0	979873.50	1.77	-15.31	-163.57	-163.13
SOL03	41 19.73	119 9.53	4323.0	979874.47	2.08	-18.03	-165.47	-164.71
SOL04	41 20.08	119 9.75	4329.0	979874.47	1.97	-17.99	-165.64	-164.98
SOL05	41 20.48	119 9.97	4340.0	979873.92	1.83	-18.10	-166.12	-165.61
SOL06	41 20.93	119 10.10	4369.0	979871.67	1.69	-18.30	-167.31	-166.94
SOL07	41 21.48	119 10.35	4381.0	979870.81	1.53	-18.85	-168.27	-168.06
SOL08	41 22.00	119 10.45	4411.0	979870.86	1.43	-16.75	-167.20	-167.09
SOL09	41 22.57	119 10.33	4447.0	979870.73	1.42	-14.35	-166.02	-165.94
SOL10	41 22.92	119 10.25	4467.0	979870.09	1.41	-13.63	-165.99	-165.91
SOL11	41 23.22	119 10.10	4493.0	979869.13	1.42	-12.60	-165.84	-165.76
SOL12	41 24.10	119 9.70	4571.0	979866.97	1.46	-8.74	-164.64	-164.54
SOL13	41 24.77	119 9.40	4660.0	979859.25	1.44	-9.09	-168.03	-167.95
SOL14	41 25.13	119 9.18	4728.0	979854.02	1.40	-8.47	-169.73	-169.70

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
SOL15	41 25.28	119 8.80	4754.0	979851.53	1.40	-8.74	-170.88	-170.87
SOL16	41 26.22	119 8.45	4885.0	979839.75	1.33	-9.61	-176.22	-176.29
SOL17	41 25.63	119 9.47	4987.0	979833.18	1.06	-5.71	-175.80	-176.15
SOL18	41 24.87	119 10.00	5033.0	979832.61	.93	-.82	-172.48	-172.97
SOL19	41 23.03	119 10.60	4490.0	979868.36	1.33	-13.37	-166.50	-166.52
SOL20	41 23.05	119 10.68	4554.0	979861.15	1.20	-14.59	-169.91	-170.06
SOL21	41 22.87	119 10.62	4502.0	979866.95	1.28	-13.41	-166.96	-167.02
SOL22	41 22.87	119 10.88	4468.0	979868.73	1.32	-14.83	-167.21	-167.23
SOL23	41 22.55	119 11.38	4438.0	979867.44	1.30	-18.43	-169.79	-169.82
SOL26	41 19.35	119 12.55	4382.0	979865.88	1.00	-20.51	-169.96	-170.29
SOL27	41 19.35	119 13.12	4460.0	979860.79	.89	-18.24	-170.35	-170.80
SOL28	41 19.35	119 13.77	4520.0	979856.68	.87	-16.74	-170.90	-171.38
SOL29	41 19.20	119 14.10	4610.0	979848.18	.78	-16.55	-173.78	-174.37
SOL30	41 19.78	119 12.00	4340.0	979868.06	1.10	-22.92	-170.94	-171.16
SOL31	41 20.20	119 11.42	4332.0	979870.13	1.22	-22.23	-169.97	-170.07
SOL32	41 20.38	119 11.97	4358.0	979866.62	1.11	-23.56	-172.20	-172.41
SOL33	41 20.27	119 12.53	4408.0	979862.41	1.02	-22.91	-173.25	-173.56
SOL34	41 21.20	119 12.07	4398.0	979864.19	1.14	-23.45	-173.45	-173.64
SOL35	41 21.13	119 12.52	4429.0	979861.28	1.08	-23.35	-174.40	-174.65
SOL36	41 21.72	119 14.53	4767.0	979842.83	1.12	-10.91	-173.49	-173.75
SOL40	41 20.13	119 14.87	4683.4	979845.05	.91	-14.17	-173.91	-174.37
SOL41	41 20.87	119 11.85	4368.0	979866.50	1.16	-23.47	-172.45	-172.61
SOL37	41 21.02	119 13.32	4498.2	979856.29	1.06	-21.67	-175.09	-175.37
SOL38	41 20.70	119 13.67	4518.5	979852.39	1.03	-23.18	-177.29	-177.60
SOL39	41 20.48	119 14.25	4597.1	979846.77	.99	-21.09	-177.88	-178.25
SOL42	41 21.02	119 10.85	4355.0	979870.63	1.38	-20.79	-169.32	-169.26
TRLRB	40 39.03	119 21.40	3940.0	979829.04	1.12	-38.86	-173.24	-173.37
STM#1	40 50.85	119 13.60	4006.0	979884.75	.09	5.48	-131.15	-132.32
BRK01	40 37.98	119 25.68	4629.0	979793.65	1.13	-7.92	-165.80	-166.04
BRK02	40 42.13	119 22.18	5808.0	979724.71	7.07	27.78	-170.31	-164.72
BRK03	40 45.20	119 20.70	6300.0	979702.90	7.69	47.64	-167.23	-161.06
BRK04	40 58.30	119 12.57	6455.0	979715.39	8.03	55.20	-164.96	-158.44
BRK05	41 8.83	119 14.05	7323.0	979656.65	5.79	62.33	-187.43	-183.15
BRK06	41 1.13	119 12.88	7036.0	979691.61	8.84	81.80	-158.18	-150.86
BRK07	41 5.20	119 13.23	7550.0	979651.43	9.42	83.85	-173.66	-165.73
BRK08	41 15.25	119 16.42	6333.0	979730.79	2.62	33.88	-182.12	-180.81
BRK09	41 25.62	119 14.93	6787.0	979702.79	3.84	33.07	-198.41	-196.09
BRK10	41 29.40	119 14.22	6472.0	979725.97	1.48	21.01	-199.73	-199.76
BRK11	41 23.47	119 5.23	6716.0	979718.41	4.51	45.23	-183.83	-181.04
BRK12	41 17.43	119 4.85	7021.0	979714.90	6.53	79.39	-160.08	-155.06
BRK13	41 12.20	119 1.42	5878.0	979770.65	4.29	35.53	-164.95	-162.15
BRK14	41 8.38	118 58.40	5361.0	979809.53	2.82	31.31	-151.53	-150.16
BRK16	40 58.26	118 59.05	4868.0	979830.34	1.49	21.06	-144.97	-144.87
BRK18	40 46.58	118 59.82	5333.0	979782.03	2.65	33.84	-148.05	-146.85
BRK19	40 44.55	119 8.50	5500.0	979749.26	4.22	19.78	-167.80	-165.04

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
BRK20	40 40.35	119 14.58	6020.0	979712.40	6.27	38.04	-167.28	-162.51
BRK21	40 36.66	119 15.70	6994.0	979643.07	11.53	65.72	-172.82	-163.01
BRK22	41 26.43	119 2.28	6520.0	979673.41	2.70	-22.61	-244.98	-243.80
BR010	41 22.77	119 13.83	4770.0	979845.31	1.28	-9.71	-172.40	-172.50
BR011	41 23.10	119 14.08	4845.0	979839.05	1.33	-9.41	-174.66	-174.72
BR012	41 23.27	119 14.50	4995.0	979824.91	1.20	-9.71	-180.07	-180.28
BR013	41 23.50	119 14.73	5190.0	979811.83	1.07	-4.81	-181.82	-182.18
STMBT	40 51.05	119 13.57	4269.0	979863.94	.23	9.09	-136.51	-137.59
SB#2	40 49.60	119 13.52	4084.0	979880.87	.10	10.79	-128.50	-129.68
SB#3	40 49.38	119 13.42	4050.0	979881.61	.08	8.66	-129.47	-130.66
TREGO	40 45.20	119 8.53	4060.0	979852.09	.15	-13.70	-152.17	-153.29
ORYLK	40 59.40	118 57.97	4293.0	979876.52	.16	11.50	-134.92	-136.07
A9	40 38.62	119 18.98	3968.0	979843.37	.9.	-21.29	-156.62	-156.96
A8	40 38.63	119 19.72	3910.0	979837.90	.82	-32.22	-165.58	-166.01
A7	40 38.57	119 20.17	3907.0	979833.05	.76	-37.27	-170.52	-171.00
A2	40 38.43	119 23.82	3915.0	979834.12	.57	-35.24	-168.76	-169.44
A4W	40 38.57	119 17.32	4320.0	979828.05	1.09	-3.44	-150.78	-151.01
A5W	40 38.62	119 18.68	4107.0	979844.60	.86	-6.99	-147.07	-147.49
A6W	40 38.48	119 20.42	3912.0	979830.72	.73	-38.99	-172.42	-172.93
A17W	40 39.25	119 20.73	3918.0	979829.61	1.07	-40.68	-174.31	-174.49
A7W	40 38.62	119 22.17	3918.0	979828.82	.87	-40.54	-174.17	-174.54
B5	40 40.32	119 19.97	3908.0	979831.43	1.14	-41.39	-174.68	-174.79
B4	40 40.28	119 20.38	3909.0	979830.26	1.48	-42.41	-175.73	-175.50
B6.5W	40 40.28	119 20.72	3911.0	979830.16	1.60	-42.32	-175.71	-175.36
B3	40 40.28	119 21.00	3912.0	979831.20	1.51	-41.19	-174.61	-174.34
B2	40 40.32	119 21.27	3915.0	979835.16	1.17	-37.01	-170.53	-170.61
B1	40 40.22	119 22.07	4040.0	979836.92	.65	-23.35	-161.14	-161.77
B7	40 40.58	119 18.08	3908.0	979846.33	.80	-26.88	-160.17	-160.61
B8	40 40.48	119 17.70	3908.0	979848.93	.89	-24.13	-157.42	-157.77
B9	40 39.62	119 15.98	4290.0	979831.39	1.00	-4.49	-150.80	-151.11
B5W	40 40.40	119 17.38	3925.0	979848.92	6.97	-22.42	-156.29	-156.57
B5.5W	40 40.67	119 18.35	3908.0	979843.11	.77	-30.24	-163.52	-163.99
B4W	40 40.42	119 16.38	3997.0	979851.46	1.06	-13.15	-149.47	-149.67
B6W	40 40.28	119 19.62	3907.0	979835.50	.95	-39.36	-172.61	-172.90
B17W	40 41.27	119 20.75	3906.0	979831.22	1.97	-43.20	-176.42	-175.70
B7W	40 40.22	119 21.95	3980.0	979842.65	.67	-23.26	-159.00	-159.58
C0W	40 41.85	119 21.35	4050.0	979834.62	2.11	-27.13	-165.26	-164.42
C0E	40 42.15	119 14.18	4115.0	979840.51	.51	-15.78	-156.12	-156.89
C5	40 42.15	119 17.78	3905.0	979843.23	.73	-32.60	-165.78	-166.30
C4	40 42.07	119 18.67	3905.0	979838.47	.89	-37.24	-170.42	-170.78
C3	40 42.05	119 19.10	3905.0	979836.47	1.08	-39.21	-172.39	-172.61
C2	40 42.07	119 20.08	3905.0	979834.53	1.55	-41.18	-174.36	-174.06
C1	40 41.98	119 20.45	3905.0	979835.38	1.79	-40.19	-173.38	-172.83
C6	40 42.17	119 16.90	3905.0	979845.71	.64	-30.15	-163.33	-163.90
C7	40 42.18	119 16.45	3905.0	979848.22	.70	-27.65	-160.84	-161.38

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
C7W	40 42.00	119 20.92	3914.0	979841.62	2.12	-33.14	-166.63	-165.76
C3W	40 42.15	119 14.48	3995.0	979854.27	.65	-13.10	-149.35	-149.96
C145W	40 43.02	119 15.02	3905.0	979852.91	.56	-24.21	-157.40	-158.08
C155W	40 43.03	119 17.45	3904.0	979846.58	.78	-30.65	-163.80	-164.26
C5.5W	40 42.10	119 18.28	3905.0	979840.02	.80	-35.73	-168.92	-169.36
C4.5W	40 42.22	119 16.05	3907.0	979850.73	.72	-25.01	-158.27	-158.79
C4W	40 42.17	119 15.50	3915.0	979854.31	.78	-20.61	-154.13	-154.60
C16W	40 43.12	119 18.58	3905.0	979849.97	1.17	-27.30	-160.48	-160.56
C0W	40 42.00	119 19.52	3905.0	979834.06	1.20	-41.54	-174.73	-174.77
C5W	40 42.15	119 17.35	3905.0	979843.99	.68	-31.84	-165.02	-165.59
C15W	40 43.08	119 16.22	3905.0	979846.36	.57	-30.85	-164.04	-164.70
D0W	40 44.25	119 17.93	4210.0	979839.01	.75	-11.27	-154.86	-155.41
D0E	40 43.98	119 10.90	4030.0	979861.69	.23	-5.11	-142.56	-143.59
D9	40 43.92	119 12.50	3906.0	979858.63	.53	-19.73	-152.95	-153.86
D8	40 43.88	119 13.13	3905.0	979856.05	.36	-22.35	-155.53	-156.42
D7	40 43.90	119 13.47	3905.0	979854.62	.36	-23.81	-156.99	-157.88
D6	40 43.97	119 14.20	3905.0	979861.65	.37	-16.68	-149.87	-150.74
D5	40 43.97	119 14.67	3904.0	979851.51	.39	-27.12	-160.27	-161.12
D4	40 43.93	119 15.47	3904.0	979849.47	.46	-29.10	-162.25	-163.03
D3	40 43.93	119 15.83	3904.0	979849.35	.52	-29.22	-162.37	-163.09
D2	40 44.03	119 16.57	3905.0	979854.31	.71	-24.31	-157.50	-158.04
D1	40 43.73	119 17.00	3905.0	979854.98	.78	-23.20	-156.38	-156.84
D2W	40 44.07	119 10.93	3975.0	979864.49	.28	-7.61	-143.19	-144.16
D3.5W	40 43.95	119 13.92	3905.0	979853.66	.37	-24.84	-158.03	-158.90
D4.5W	40 43.90	119 16.22	3904.0	979849.84	.61	-28.68	-161.85	-162.47
D145W	40 44.83	119 15.13	3904.0	979854.42	.38	-25.49	-158.64	-159.50
D135W	40 44.60	119 12.80	3905.0	979855.61	.22	-24.16	-157.34	-158.37
D3W	40 43.92	119 12.80	3906.0	979857.24	.34	-21.12	-154.34	-155.24
D4W	40 43.98	119 15.00	3904.0	979849.84	.41	-28.80	-161.95	-162.79
D5W	40 43.92	119 17.25	3905.0	979857.87	.86	-20.59	-153.77	-154.16
D15W	40 44.80	119 16.22	3905.0	979862.34	.62	-17.43	-150.61	-151.23
D14W	40 44.82	119 13.88	3909.0	979853.01	.25	-26.41	-159.73	-160.73
D13W	40 44.83	119 11.53	3904.0	979860.26	.22	-19.65	-152.80	-153.82
E2W	40 45.87	119 10.60	3906.0	979862.30	.17	-18.97	-152.19	-153.26
E0W	40 45.63	119 16.02	4209.0	979864.70	.42	12.27	-131.28	-132.16
E0E	40 46.08	119 5.68	4060.0	979857.95	.20	-9.15	-147.62	-148.70
E5	40 45.77	119 12.36	3905.0	979859.57	.14	-21.64	-154.83	-155.93
E6	40 45.75	119 11.92	3905.0	979861.04	.13	-20.14	-153.33	-154.44
E7	40 45.77	119 11.52	3905.0	979861.56	.13	-19.65	-152.84	-153.95
E8	40 45.83	119 11.05	3906.0	979861.73	.14	-19.48	-152.70	-153.80
E9	40 45.88	119 10.08	3906.0	979859.57	.16	-21.71	-154.93	-156.01
E10	40 45.85	119 9.72	3906.0	979863.87	.18	-17.37	-150.59	-151.65
E4	40 45.75	119 13.40	3905.0	979856.55	.18	-24.63	-157.82	-158.88
E3	40 45.73	119 13.82	3905.0	979856.45	.20	-24.70	-157.89	-158.93
E2	40 45.77	119 14.25	3905.0	979858.31	.24	-22.90	-156.09	-157.09

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
E1	40 45.77	119 14.68	3905.0	979863.41	.28	-17.80	-150.99	-151.95
E11	40 45.73	119 15.68	3970.0	979872.20	.41	-2.76	-138.16	-139.01
E1W	40 45.75	119 8.48	3906.0	979859.50	.23	-21.59	-154.81	-155.82
E1E	40 45.47	119 6.10	3980.0	979862.00	.24	-12.46	-148.20	-149.21
E4W	40 45.82	119 15.17	3905.0	979871.69	.35	-9.59	-142.78	-143.67
E3W	40 45.68	119 12.83	3905.0	979857.52	.16	-23.55	-156.74	-157.83
F0W	40 47.77	119 15.45	4120.0	979870.25	.24	6.28	-134.24	-135.29
F0E	40 47.55	119 .55	4270.0	979861.60	.15	12.05	-133.58	-134.74
F11	40 47.38	119 7.85	3905.0	979858.25	.05	-25.35	-158.54	-159.73
F12	40 47.40	119 7.38	3905.0	979856.73	.06	-26.90	-160.09	-161.27
F13	40 47.42	119 6.95	3905.0	979856.53	.07	-27.13	-160.32	-161.49
F14	40 47.40	119 6.30	3906.0	979857.47	.08	-26.07	-159.29	-160.45
F15	40 47.50	119 5.62	3906.0	979861.45	.09	-22.24	-155.46	-156.61
F10	40 47.37	119 8.87	3905.0	979862.95	.04	-20.64	-153.83	-155.02
F9	40 47.35	119 9.28	3905.0	979863.96	.04	-19.60	-152.79	-153.99
F8	40 47.35	119 9.72	3905.0	979864.09	.04	-19.47	-152.66	-153.85
F7	40 47.32	119 10.18	3905.0	979864.41	.04	-19.11	-152.29	-153.49
F6	40 47.32	119 11.17	3905.0	979864.20	.06	-19.32	-152.50	-153.69
F5	40 47.28	119 11.58	3905.0	979863.62	.06	-19.84	-153.02	-154.20
F4	40 47.30	119 12.03	3905.0	979862.64	.07	-20.85	-154.03	-155.20
F3	40 47.27	119 12.48	3905.0	979861.26	.09	-22.18	-155.37	-156.52
F2	40 47.45	119 13.20	3905.0	979861.02	.12	-22.69	-155.87	-156.99
F1	40 47.42	119 13.58	3905.0	979862.93	.14	-20.73	-153.92	-155.02
F16	40 47.55	119 5.20	3907.0	979863.13	.10	-20.51	-153.76	-154.90
F17	40 47.52	119 4.75	3909.0	979865.53	.12	-17.91	-151.23	-152.35
F18	40 47.57	119 4.30	3927.0	979867.62	.12	-14.20	-148.14	-149.26
F3.5W	40 47.48	119 13.97	3905.0	979871.35	.17	-12.40	-145.59	-146.66
F4W	40 47.50	119 15.15	3907.0	979884.66	.28	1.06	-132.19	-133.15
F1W	40 47.43	119 8.42	3905.0	979861.06	.05	-22.62	-155.80	-157.00
F2E	40 47.52	119 3.88	3936.0	979868.43	.15	-12.28	-146.59	-147.69
F3E	40 47.70	119 1.42	4040.0	979874.32	.17	2.93	-134.86	-135.95
F3W	40 47.42	119 12.90	3905.0	979860.48	.11	-23.18	-156.37	-157.50
F2W	40 47.27	119 10.88	3905.0	979864.60	.05	-18.84	-152.03	-153.22
F1E	40 47.48	119 6.03	3906.0	979859.52	.08	-24.14	-157.36	-158.52
G3E	40 49.48	119 1.82	3936.0	979876.35	-.01	-7.47	-141.71	-142.98
G11	40 49.33	119 6.83	3905.0	979856.14	-.02	-30.37	-163.55	-164.82
G0W	40 49.12	119 15.12	4090.0	979880.43	.18	11.63	-127.87	-128.97
G3.5W	40 48.97	119 13.73	3940.0	979865.79	.11	3.11	-131.27	-132.41
G15	40 49.33	119 4.50	3906.0	979862.08	-.02	-24.33	-157.55	-158.82
G14	40 49.33	119 4.95	3905.0	979859.54	-.02	-26.97	-160.15	-161.42
G13	40 49.37	119 5.47	3905.0	979857.40	-.02	-29.17	-162.35	-163.63
G12	40 49.32	119 5.83	3905.0	979855.91	-.02	-30.58	-163.77	-165.04
G10	40 49.33	119 7.25	3905.0	979857.27	-.02	-29.24	-162.42	-163.69
G9	40 49.33	119 7.72	3905.0	979858.72	-.01	-27.79	-160.97	-162.24
G8	40 49.28	119 8.15	3905.0	979858.72	-.01	-27.71	-160.90	-162.16

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
G7	40 49.10	119 9.22	3905.0	979863.44	0.	-22.72	-155.91	-157.16
G6	40 49.10	119 9.68	3905.0	979864.67	0.	-21.49	-154.68	-155.92
G5	40 49.12	119 10.12	3905.0	979866.12	0.	-20.07	-153.26	-154.50
G4	40 49.07	119 10.58	3905.0	979867.04	.0	-19.08	-152.26	-153.50
G3	40 48.95	119 11.55	3905.0	979867.77	.03	-18.17	-151.36	-152.57
G2	40 48.83	119 12.10	3905.0	979868.33	.05	-17.43	-150.62	-151.81
G1	40 48.87	119 12.63	3905.0	979869.82	.08	-16.00	-149.19	-150.35
G3W	40 49.10	119 13.03	3905.0	979877.87	.10	-8.29	-141.48	-142.63
G2E	40 49.28	119 5.88	3906.0	979866.45	-.01	-19.89	-153.11	-154.37
G2W	40 49.12	119 10.82	3905.0	979867.47	.01	-18.72	-151.91	-153.14
G1E	40 49.27	119 6.22	3905.0	979855.71	-.02	-30.71	-163.89	-165.16
G1W	40 49.23	119 8.47	3905.0	979861.57	-.01	-24.79	-157.97	-159.24
H3E	40 50.92	119 1.45	3911.0	979874.86	-.07	-13.45	-146.84	-148.16
H4W	40 50.73	119 13.97	3991.0	979884.67	.11	4.17	-131.95	-133.11
H11	40 50.90	119 5.70	3905.0	979851.32	-.05	-37.52	-170.71	-172.01
H12	40 50.92	119 5.25	3905.0	979851.87	-.06	-37.00	-170.19	-171.50
H13	40 50.97	119 4.97	3905.0	979852.56	-.06	-36.38	-169.57	-170.88
H14	40 50.95	119 4.42	3905.0	979855.39	-.06	-33.52	-166.71	-168.03
H10	40 50.92	119 6.60	3905.0	979852.26	-.05	-36.61	-169.80	-171.09
H9	40 50.95	119 7.22	3905.0	979853.14	-.04	-35.77	-168.96	-170.25
H8	40 50.95	119 7.53	3905.0	979854.16	-.04	-34.75	-167.94	-169.23
H7	40 50.92	119 8.05	3905.0	979856.03	-.03	-32.84	-166.03	-167.31
H6	40 50.92	119 8.98	3905.0	979860.56	-.02	-28.31	-161.50	-162.76
H5	40 50.88	119 9.43	3905.0	979863.49	-.01	-25.32	-158.51	-159.77
H4	40 50.92	119 9.83	3905.0	979866.20	0.	-22.67	-155.86	-157.11
H3	40 50.87	119 10.25	3905.0	979869.93	0.	-18.87	-152.05	-153.29
H1	40 50.87	119 11.47	3905.0	979879.86	.03	-8.94	-142.12	-143.34
H2	40 50.87	119 11.22	3905.0	979877.66	.02	-11.14	-144.32	-145.54
H2.5W	40 50.85	119 11.98	3906.0	979885.76	.05	-2.91	-136.13	-137.33
H2E	40 50.98	119 3.85	3906.0	979859.49	-.07	-29.38	-162.60	-163.92
H2W	40 50.87	119 10.68	3905.0	979874.03	.01	-14.77	-147.95	-149.19
H1E	40 50.93	119 6.20	3905.0	979851.28	-.05	-37.61	-170.79	-172.09
H1W	40 50.88	119 8.42	3905.0	979857.61	-.02	-31.20	-164.39	-165.66
J10	40 52.60	119 8.02	3905.0	979855.77	-.01	-35.60	-168.79	-170.05
J11	40 52.62	119 7.55	3905.0	979854.40	-.02	-37.00	-170.19	-171.46
J12	40 52.60	119 7.12	3905.0	979853.06	-.03	-38.31	-171.50	-172.78
J13	40 52.60	119 6.70	3905.0	979851.81	-.04	-39.56	-172.75	-174.04
J14	40 52.65	119 5.80	3905.0	979850.40	-.05	-41.04	-174.23	-175.54
J15	40 52.60	119 5.37	3905.0	979850.31	-.06	-41.06	-174.25	-175.56
J16	40 52.62	119 4.92	3905.0	979850.68	-.06	-40.72	-173.91	-175.22
J17	40 52.60	119 4.50	3905.0	979851.70	-.07	-39.67	-172.86	-174.18
J18	40 52.58	119 3.50	3905.0	979855.85	-.08	-35.49	-168.68	-170.01
J9	40 52.58	119 8.87	3509.0	979860.23	.46	-68.34	-188.02	-188.72
J8	40 52.58	119 9.32	3905.0	979863.41	.01	-27.93	-161.12	-162.35
J7	40 52.52	119 9.78	3905.0	979867.07	.03	-24.18	-157.37	-158.58

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
J6	40 52.58	119 10.22	3905.0	979870.74	.04	-20.60	-153.79	-154.99
J5	40 52.58	119 10.98	3911.0	979875.94	.06	-14.84	-148.23	-149.41
J4	40 52.62	119 11.43	3915.0	979880.68	.08	-9.78	-143.31	-144.48
J3	40 52.58	119 11.67	3913.0	979883.37	.09	-7.22	-140.68	-141.83
J3W	40 52.63	119 13.32	3932.0	979886.60	.15	-2.28	-136.36	-137.49
J2E	40 52.73	119 3.93	3905.0	979853.73	-.08	-37.83	-171.02	-172.35
J2W	40 52.65	119 10.72	3909.0	979874.27	.06	-16.80	-150.12	-151.31
J1E	40 52.65	119 6.18	3905.0	979851.05	-.05	-40.39	-173.58	-174.88
J1W	40 52.62	119 8.45	3905.0	979858.01	0.	-33.39	-166.58	-167.83
K0W	40 54.83	119 12.68	4047.0	979879.75	.42	-1.59	-139.62	-140.47
K2W	40 54.22	119 10.47	3905.0	979880.19	.15	-13.59	-146.78	-147.87
K5	40 54.33	119 7.77	3905.0	979858.98	.03	-34.97	-168.15	-169.36
K6	40 54.33	119 7.35	3905.0	979856.79	.01	-37.16	-170.34	-171.57
K7	40 54.35	119 6.88	3905.0	979854.91	0.	-39.07	-172.25	-173.50
K8	40 54.33	119 6.43	3905.0	979853.46	-.01	-40.49	-173.67	-174.93
K9	40 54.33	119 5.70	3905.0	979851.80	-.03	-42.15	-175.33	-176.61
K10	40 54.30	119 5.27	3905.0	979851.25	-.04	-42.65	-175.84	-177.13
K11	40 54.32	119 4.90	3905.0	979851.15	-.05	-42.78	-175.97	-177.27
K12	40 54.30	119 4.38	3905.0	979851.52	-.06	-42.38	-175.57	-176.88
K3E	40 54.46	119 1.55	3904.0	979852.52	-.09	-41.71	-174.86	-176.21
K13	40 54.43	119 3.50	3905.0	979853.42	-.07	-40.67	-173.86	-175.18
K14	40 54.35	119 2.98	3904.0	979855.18	-.08	-38.89	-172.04	-173.37
K15	40 54.35	119 2.53	3904.0	979856.84	-.09	-37.23	-170.38	-171.72
K4	40 54.35	119 8.68	3905.0	979865.14	.07	-28.84	-162.02	-163.20
K3	40 54.32	119 9.17	3905.0	979869.47	.09	-24.46	-157.65	-158.80
K2	40 54.30	119 9.60	3905.0	979873.28	.12	-20.62	-153.81	-154.93
K1	40 54.28	119 10.02	3905.0	979876.51	.13	-17.36	-150.55	-151.66
K3W	40 54.35	119 12.55	3949.0	979884.45	.33	-5.39	-140.08	-140.99
K2E	40 54.43	119 3.42	3905.0	979852.70	-.06	-41.39	-174.58	-175.90
K1E	40 54.42	119 6.22	3905.0	979862.00	-.01	-32.08	-165.27	-166.53
K1W	40 54.38	119 8.25	3905.0	979861.75	.05	-32.27	-165.46	-166.65
L2W	40 56.12	119 10.22	3917.0	979884.34	.51	-11.14	-144.74	-145.47
L3E	40 56.13	119 1.38	3905.0	979863.39	-.07	-33.23	-166.42	-167.74
L13	40 56.23	119 .87	3908.0	979868.99	-.07	-27.50	-160.79	-162.11
L14	40 56.35	119 .30	3926.0	979877.33	-.07	-17.65	-151.55	-152.88
L15	40 56.22	119 .13	3920.0	979884.80	-.07	-10.55	-144.25	-145.57
L1	40 56.20	119 7.77	3905.0	979865.78	.13	-30.95	-164.14	-165.25
L2	40 56.22	119 7.32	3905.0	979864.31	.10	-32.45	-165.64	-166.78
L3	40 56.22	119 6.92	3905.0	979862.10	.07	-34.66	-167.85	-169.02
L4	40 56.27	119 6.47	3905.0	979859.97	.05	-36.86	-170.05	-171.24
L5	40 56.38	119 5.60	3905.0	979857.84	.02	-39.16	-172.34	-173.56
L6	40 56.43	119 5.17	3905.0	979856.79	.01	-40.28	-173.47	-174.70
L7	40 56.15	119 4.68	3905.0	979855.21	-.01	-41.44	-174.63	-175.89
L8	40 56.20	119 4.20	3905.0	979854.99	-.02	-41.74	-174.93	-176.20
L9	40 56.23	119 3.35	3905.0	979855.57	-.04	-41.20	-174.39	-175.68

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
L10	40 56.20	119 2.90	3905.0	979856.52	-.05	-40.21	-173.40	-174.70
L11	40 56.17	119 2.47	3905.0	979857.77	-.06	-38.91	-172.10	-173.41
L12	40 56.12	119 1.95	3905.0	979859.60	-.06	-37.01	-170.20	-171.51
L19	40 56.23	119 8.63	3905.0	979867.73	.23	-29.04	-162.23	-163.24
L18	40 56.20	119 9.07	3905.0	979870.57	.29	-26.16	-159.35	-160.30
L17	40 56.18	119 9.57	3909.0	979875.97	.37	-20.35	-153.68	-154.55
L16	40 56.17	119 9.97	3916.0	979881.55	.46	-14.10	-147.66	-148.45
L2E	40 56.27	119 3.93	3905.0	979855.25	-.03	-41.58	-174.77	-176.05
L1E	40 56.15	119 5.90	3905.0	979858.02	.03	-38.63	-171.82	-173.04
L1W	40 56.17	119 8.22	3905.0	979866.60	.17	-30.08	-163.27	-164.34
M1E	40 57.90	119 6.17	3905.0	979864.41	.12	-34.85	-168.04	-169.16
M0E	40 58.28	119 .17	4144.0	979895.31	.05	17.95	-123.39	-124.62
M0W	40 57.77	119 10.48	4240.0	979865.31	.92	-2.27	-146.88	-147.26
M14	40 58.20	119 2.08	3908.0	979865.45	0.	-33.98	-167.26	-168.50
M13	40 58.02	119 2.58	3907.0	979862.78	0.	-36.47	-169.73	-170.97
M12	40 58.12	119 3.05	3906.0	979861.71	0.	-37.79	-171.01	-172.24
M11	40 58.08	119 3.43	3905.0	979860.97	.01	-38.56	-171.74	-172.98
M10	40 58.03	119 4.52	3905.0	979860.80	.03	-38.65	-171.84	-173.05
M9	40 58.02	119 4.95	3905.0	979861.33	.05	-38.11	-171.29	-172.48
M8	40 57.95	119 5.43	3905.0	979862.02	.07	-37.31	-170.50	-171.67
M7	40 57.95	119 5.95	3905.0	979862.87	.10	-36.46	-169.65	-170.79
M6	40 57.88	119 6.80	3905.0	979865.84	.17	-33.39	-166.58	-167.64
M5	40 57.68	119 7.22	3905.0	979868.29	.22	-30.94	-164.13	-165.15
M4	40 57.90	119 7.65	3906.0	979872.39	.27	-26.78	-160.00	-160.97
M3	40 57.90	119 8.03	3911.0	979874.72	.34	-23.98	-157.37	-158.27
M2	40 57.87	119 8.50	3915.0	979876.72	.43	-21.56	-155.08	-155.89
M1	40 57.85	119 8.95	3927.0	979879.09	.54	-18.03	-151.96	-152.67
M3E	40 57.70	119 1.57	3909.0	979861.06	-.01	-37.53	-170.85	-172.11
M12E	40 58.67	119 2.83	3907.0	979864.76	.03	-35.46	-168.71	-169.93
M1W	40 57.88	119 9.50	3953.0	979879.32	.76	-15.40	-150.22	-150.72
M2E	40 57.97	119 3.95	3905.0	979860.68	.02	-38.68	-171.87	-173.09
N0E	40 59.40	118 59.67	4071.0	979891.00	.16	5.11	-133.74	-134.85
N13	40 59.28	119 .85	3921.0	979890.56	.15	-9.45	-143.18	-144.28
N10	40 59.58	119 3.03	3909.0	979867.05	.06	-34.34	-167.66	-168.84
N4	40 59.27	119 6.45	3905.0	979870.98	.22	-30.32	-163.51	-164.53
N3	40 59.30	119 6.92	3905.0	979872.06	.28	-29.29	-162.47	-163.43
N2	40 59.40	119 7.37	3907.0	979874.54	.37	-26.77	-160.02	-160.89
N1	40 59.38	119 7.77	3915.0	979876.17	.45	-24.35	-157.88	-158.68
N5	40 59.35	119 5.58	3905.0	979868.15	.16	-33.27	-166.46	-167.54
N6	40 59.37	119 5.20	3905.0	979867.26	.13	-34.19	-167.38	-168.48
N7	40 59.63	119 4.88	3905.0	979867.78	.12	-34.06	-167.24	-168.36
N8	40 59.65	119 4.50	3906.0	979866.75	.11	-35.02	-168.24	-169.38
N9	40 59.63	119 3.48	3909.0	979866.00	.06	-35.46	-168.78	-169.96
N11	40 59.65	119 2.57	3911.0	979868.84	.07	-32.46	-165.85	-167.02
N12	40 59.67	119 2.13	3914.0	979871.57	.09	-29.48	-162.97	-164.13

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
N1W	40 59.55	119 8.53	3946.0	979879.98	.68	-17.08	-152.47	-153.04
N3E	40 59.42	119 1.55	3925.0	979875.36	.10	-24.28	-158.15	-159.30
N11E	41 .57	119 4.88	3906.0	979870.60	.15	-32.54	-165.76	-166.85
N12E	41 .53	119 2.33	3920.0	979873.00	.13	-28.77	-162.46	-163.58
N2E	40 59.58	119 3.83	3908.0	979866.02	.07	-35.46	-168.75	-169.92
N1E	40 59.57	119 5.97	3905.0	979871.44	.20	-30.31	-163.49	-164.54
P0E	41 1.78	119 .48	4100.0	979895.25	.26	8.54	-131.30	-132.31
P0W	41 1.83	119 8.72	4210.0	979871.76	.90	-4.68	-148.27	-148.67
P4	41 1.33	119 5.53	3906.0	979874.57	.23	-29.70	-162.92	-163.93
P5	41 1.35	119 5.07	3906.0	979872.92	.20	-31.38	-164.60	-165.65
P6	41 1.38	119 4.65	3907.0	979871.84	.17	-32.41	-165.67	-166.74
P7	41 1.42	119 4.16	3908.0	979871.00	.14	-33.22	-166.51	-167.61
P8	41 1.42	119 3.27	3912.0	979871.97	.13	-31.87	-165.30	-166.41
P9	41 1.43	119 2.78	3915.0	979873.08	.14	-30.50	-164.02	-165.13
P10	41 1.45	119 2.35	3921.0	979874.89	.16	-28.15	-161.88	-162.97
P11	41 1.45	119 1.92	3939.0	979876.83	.21	-24.52	-158.87	-159.90
P3	41 1.33	119 6.53	3905.0	979879.54	.38	-24.83	-158.01	-158.88
P2	41 1.40	119 6.98	3905.0	979882.73	.47	-21.74	-154.93	-155.70
P1	41 1.45	119 7.38	3914.0	979884.44	.58	-19.26	-152.75	-153.42
P1N	41 1.65	119 8.23	3980.0	979884.09	.85	-13.71	-149.45	-149.85
P11E	41 2.27	119 4.93	3909.0	979874.39	.22	-31.00	-164.33	-165.35
P12E	41 2.38	119 2.43	3932.0	979878.42	.17	-24.97	-159.08	-160.16
P1E	41 1.32	119 6.08	3906.0	979877.24	.30	-27.02	-160.24	-161.18
P2E	41 1.30	119 3.80	3908.0	979871.48	.14	-32.56	-165.85	-166.95
P3E	41 1.37	119 1.48	3949.0	979882.67	.26	-17.62	-152.31	-153.28
Q4E	41 3.05	119 1.52	3975.0	979892.09	.23	-8.26	-143.83	-144.85
Q5E	41 3.05	119 1.35	3986.0	979893.96	.24	-5.36	-141.30	-142.32
Q6E	41 3.02	119 1.23	4002.0	979895.14	.25	-2.63	-139.12	-140.13
Q7E	41 3.02	119 .80	4057.0	979891.41	.28	-1.19	-139.56	-140.55
Q1W	41 3.08	119 7.68	3980.0	979886.74	.75	-13.19	-148.93	-149.43
Q12E	41 4.23	119 2.67	3920.0	979877.27	.18	-30.01	-163.71	-164.77
Q11E	41 4.07	119 5.04	3916.0	979876.57	.28	-30.66	-164.29	-165.25
Q1E	41 3.05	119 6.07	3912.0	979887.78	.38	-18.49	-151.92	-152.78
Q2E	41 3.08	119 3.93	3909.0	979874.42	.19	-32.18	-165.50	-166.56
Q2.5E	41 3.28	119 2.97	3923.0	979875.94	.16	-29.64	-163.44	-164.52
Q3E	41 3.07	119 1.65	3959.0	979891.50	.22	-10.38	-145.41	-146.44
R1W	41 4.90	119 7.47	4135.0	979882.16	.63	-5.91	-146.94	-147.59
R1E	41 5.03	119 6.25	3925.0	979887.01	.49	-20.99	-154.86	-155.61
R13E	41 5.72	119 .58	3954.0	979882.97	.25	-23.33	-158.19	-159.20
R3E	41 4.88	119 1.60	3945.0	979881.57	.20	-24.33	-158.88	-159.93
R12E	41 6.08	119 2.77	3924.0	979874.38	.23	-35.28	-169.11	-170.13
R2E	41 4.95	119 4.02	3918.0	979875.27	.24	-33.27	-166.90	-167.91
S1W	41 6.62	119 8.02	4010.0	979882.14	1.00	-20.24	-157.01	-157.26
S4E	41 6.67	118 59.52	3990.0	979904.18	.36	-.45	-136.54	-137.43
T11E	41 9.37	119 6.33	4001.0	979874.47	.65	-32.85	-169.31	-169.92

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
T1W	41 8.25	119 8.47	4020.0	979886.53	1.39	-17.34	-154.45	-154.52
T3.5E	41 8.65	119 .37	4040.0	979908.31	.65	5.76	-132.04	-132.65
U1W	41 10.17	119 8.17	4028.0	979874.38	1.23	-31.60	-168.98	-169.03
U2.5E	41 10.05	119 2.98	4010.0	979884.97	.80	-22.52	-159.29	-159.74
U2E	41 9.98	119 4.17	3999.0	979876.78	.64	-31.64	-168.03	-168.65
U1.5E	41 9.87	119 4.93	3999.0	979875.80	.60	-32.46	-168.85	-169.51
U11E	41 11.27	119 5.03	4040.0	979874.44	.86	-32.05	-169.84	-170.22
U1E	41 9.95	119 6.58	4010.0	979874.73	.73	-32.61	-169.38	-169.91
U3E	41 10.08	119 2.07	4070.0	979897.60	.90	-4.29	-143.11	-143.48
V0E	41 12.98	119 3.60	4410.0	979867.31	1.81	-6.95	-157.36	-156.81
V1	41 12.90	119 3.82	4350.0	979867.22	1.79	-12.56	-160.92	-160.45
V2	41 12.65	119 4.03	4243.0	979870.44	1.63	-19.02	-163.74	-163.41
V3	41 12.48	119 4.50	4150.0	979871.32	1.47	-26.63	-168.17	-167.99
V4	41 12.22	119 5.53	4085.0	979871.13	1.14	-32.54	-171.87	-172.00
V5	41 12.17	119 6.10	4075.0	979857.72	1.05	-46.82	-185.80	-186.03
V6	41 12.12	119 6.57	4073.0	979866.19	1.01	-38.46	-177.38	-177.65
V7	41 12.02	119 7.15	4026.6	979868.49	1.05	-40.38	-177.71	-177.92
V1E	41 12.15	119 6.37	4060.3	979868.14	1.04	-37.75	-176.23	-176.46
V2E	41 12.28	119 5.00	4100.0	979869.81	1.27	-32.54	-172.38	-172.39
V1W	41 11.53	119 7.50	4057.0	979870.60	.99	-34.68	-173.05	-173.33
V2W	41 11.20	119 8.52	4090.0	979869.82	1.24	-31.86	-171.36	-171.40
W1W	41 12.85	119 9.22	4177.0	979870.94	1.23	-25.03	-167.49	-167.55
X1W	41 14.10	119 9.73	4185.0	979873.34	1.24	-23.74	-166.47	-166.52
SM10	40 55.05	119 11.90	3976.0	979881.43	.45	-6.91	-142.52	-143.33
SM11	40 55.43	119 11.57	3970.0	979881.54	.53	-7.93	-143.34	-144.06
SM12	40 55.80	119 11.23	3969.0	979882.36	.61	-7.76	-143.13	-143.77
SM13	40 56.10	119 10.90	3963.0	979884.47	.65	-6.66	-141.82	-142.42
SM14	40 56.48	119 10.57	3964.0	979883.78	.71	-7.82	-143.02	-143.56
SM15	40 56.83	119 10.35	3966.0	979883.77	.77	-8.16	-143.43	-143.91
SM16	40 57.25	119 10.13	3967.0	979881.03	.83	-11.43	-146.74	-147.16
SM9	40 54.72	119 12.28	3963.0	979884.16	.40	-4.91	-140.08	-140.94
SM1	40 49.77	119 14.83	4060.0	979879.68	.15	7.09	-131.38	-132.50
SM2	40 50.20	119 14.35	4082.0	979879.88	.13	8.72	-130.50	-131.65
SM3	40 51.17	119 13.85	3969.0	979885.98	.11	4.63	-131.42	-132.57
SM4	40 51.62	119 13.85	3950.0	979884.73	.12	-.95	-135.67	-136.80
SM5	40 52.17	119 13.62	3940.0	979885.49	.13	-1.95	-136.33	-137.44
SM6	40 53.03	119 13.07	3934.0	979889.06	.16	-.22	-134.40	-135.49
SM7	40 53.47	119 12.92	3934.0	979889.53	.20	-.41	-134.59	-135.63
SM8	40 53.87	119 12.82	3942.0	979889.69	.25	-.09	-134.54	-135.54
BRL9	40 52.10	119 .47	3909.0	979877.28	-.10	-12.97	-146.29	-147.64
BRL10	40 52.50	119 .47	3909.0	979876.57	-.10	-14.28	-147.60	-148.95
BRL11	40 53.00	119 .42	3911.0	979875.67	-.10	-15.73	-149.12	-150.46
BRL12	40 53.40	119 .42	3915.0	979876.10	-.11	-15.52	-149.05	-150.41
BRL13	40 53.78	119 .32	3920.0	979878.52	-.11	-13.20	-146.90	-148.26
BRL19	40 57.23	119 .18	3955.0	979885.59	-.02	-7.97	-142.86	-144.14

TABLE 1.--Principal facts for gravity stations--continued

STATION NUMBER	LATITUDE (DEG. MIN.)	LONGITUDE (DEG. MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BOUGUER ANOMALY (MILLIGALS)	COMP. BOUGUER ANOMALY (MILLIGALS)
BRL16	40 55.76	119 .10	3919.0	979883.13	-.08	-11.66	-145.32	-146.66
BRL17	40 55.30	119 .06	3910.0	979878.56	-.09	-16.36	-149.72	-151.06
BRL18	40 54.87	119 .15	3909.0	979877.89	-.10	-16.48	-149.81	-151.16
BRL15	40 54.42	119 .17	3915.0	979878.56	-.10	-14.58	-148.11	-149.47
BRL14	40 53.97	119 .22	3920.0	979878.90	-.11	-13.10	-146.80	-148.16
BRL1	40 47.90	119 .40	4055.0	979876.15	.14	5.87	-132.43	-133.56
BRL2	40 48.87	119 .43	3968.0	979880.54	.03	.64	-134.69	-135.92
BRL3	40 49.45	119 .47	3950.0	979879.93	-.01	-2.49	-137.22	-138.48
BRL4	40 49.92	119 .42	3940.0	979879.26	-.04	-4.83	-139.21	-140.51
BRL5	40 50.37	119 .40	3935.0	979879.72	-.06	-5.51	-139.72	-141.04
BRL6	40 50.77	119 .37	3929.0	979879.95	-.07	-6.44	-140.45	-141.77
BRL7	40 51.25	119 .35	3914.0	979878.67	-.08	-9.82	-143.31	-144.65
BRL8	40 51.75	119 .45	3911.0	979877.90	-.09	-11.61	-145.00	-146.35

Reference

Peterson, D. L., and Kaufmann, H. E., 1978, Principal facts for a gravity survey of the Double Hot Springs Known Geothermal Resource Area, Humboldt County, Nevada: U.S. Geological Survey Open-File Report 78-107A, 5 p.