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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

Open-File Report 80-577

**UNIVERSITY OF UTAH
RESEARCH INSTITUTE
EARTH SCIENCE LAB.**

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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.

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
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 Worden¹ 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.

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/cm³.

Free air anomaly: Free air anomaly, in milligals .

Sim. Bouguer anomaly: Simple Bouguer anomaly, in milligals, at a reduction density of 2.67 g/cm³.

Comp. Bouguer anomaly: Complete Bouguer anomaly, in milligals, at a reduction density of 2.67 g/cm³.

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

STATION MARKS	LATITUDE (DEG., MIN.)	LONGITUDE (DEG., MIN.)	ELEV. (FEET)	OBSERVED GRAVITY (MILLIGALS)	TERRAIN CORRECTION (MILLIGALS)	FREE AIR ANOMALY (MILLIGALS)	SIM. BUUGUER ANOMALY (MILLIGALS)	COMP. BUUGUER ANOMALY (MILLIGALS)
NR001	41 18.40	119 9.57	4350.0	979872.84	1.76	-15.14	-163.50	-163.07
NR002	41 18.15	119 10.08	4305.0	979875.90	1.48	-15.94	-162.77	-162.60
NR003	41 17.36	119 10.38	4286.0	979876.89	1.25	-15.58	-161.76	-161.82
NR004	41 16.67	119 10.62	4225.0	979878.66	1.26	-18.49	-162.59	-162.63
NR005	41 16.02	119 10.52	4210.0	979877.86	1.25	-19.73	-163.32	-163.57
NR006	41 15.33	119 10.78	4220.0	979875.21	1.20	-20.41	-164.34	-164.36
NR007	41 15.47	119 10.07	4190.0	979876.88	1.25	-21.77	-164.68	-164.72
NR008	41 16.02	119 9.65	4176.0	979877.43	1.35	-23.36	-165.78	-165.73
NR009	41 16.57	119 9.83	4162.0	979879.98	1.51	-22.94	-164.89	-164.67
NR010	41 17.18	119 10.18	4190.0	979882.45	1.68	-18.75	-161.66	-161.46
NR011	41 17.68	119 10.03	4295.0	979876.74	1.41	-15.34	-161.82	-161.73
NR012	41 13.10	119 6.22	4172.0	979863.79	1.31	-33.02	-175.31	-175.29
NR013	41 13.60	119 7.10	4202.0	979860.12	1.24	-34.61	-177.93	-177.98
NR014	41 14.40	119 7.53	4205.0	979862.43	1.45	-33.21	-176.63	-176.48
NR015	41 15.17	119 8.00	4205.0	979866.06	1.62	-30.73	-174.15	-173.82
NR016	41 15.70	119 8.48	4190.0	979870.03	1.67	-28.96	-171.87	-171.49
NR017	41 16.37	119 8.63	4225.0	979873.35	1.82	-23.35	-167.45	-166.93
NR018	41 16.78	119 8.83	4224.0	979875.36	1.89	-22.03	-166.09	-165.50
NR019	41 17.20	119 9.03	4262.0	979874.59	1.85	-19.87	-165.23	-164.69
NR020	41 17.60	119 9.20	4303.0	979874.50	1.82	-16.70	-163.46	-162.95
NR021	41 17.93	119 9.53	4337.0	979873.12	1.79	-15.38	-163.30	-162.82
NR022	41 17.62	119 9.52	4296.0	979875.24	1.66	-16.65	-163.17	-162.83
NR023	41 17.17	119 9.78	4190.0	979881.41	1.62	-19.77	-162.68	-162.35
NR001	41 23.68	119 9.68	4540.0	979867.53	1.42	-10.47	-165.31	-165.24
NR002	41 22.83	119 10.83	4460.0	979869.72	1.34	-14.53	-166.64	-166.64
NR003	41 22.23	119 10.67	4421.0	979870.62	1.37	-16.40	-167.18	-167.14
NR004	41 21.97	119 10.97	4397.0	979870.38	1.34	-18.51	-168.47	-168.46
NR005	41 21.45	119 11.55	4374.0	979869.40	1.25	-20.87	-170.05	-170.13
NR006	41 21.57	119 11.85	4399.0	979866.15	1.20	-21.95	-171.99	-172.11
NR007	41 21.72	119 12.50	4477.0	979860.81	1.12	-20.18	-172.88	-173.10
NR008	41 21.73	119 13.07	4527.0	979856.84	1.12	-19.47	-173.67	-174.09
NR004	41 22.32	119 13.70	4681.0	979850.90	1.22	-11.81	-171.47	-171.62
SUL01	41 18.77	119 9.70	4347.0	979873.50	1.77	-15.31	-163.57	-163.13
SUL03	41 19.73	119 9.53	4323.0	979874.47	2.08	-18.03	-165.47	-164.71
SUL04	41 20.08	119 9.75	4329.0	979874.47	1.97	-17.99	-165.64	-164.98
SUL05	41 20.44	119 9.97	4340.0	979873.92	1.83	-18.10	-166.12	-165.61
SUL06	41 20.93	119 10.10	4369.0	979871.67	1.69	-18.30	-167.31	-166.94
SUL07	41 21.48	119 10.35	4381.0	979870.81	1.53	-18.85	-168.27	-168.06
SUL08	41 22.00	119 10.45	4411.0	979870.86	1.43	-16.75	-167.20	-167.09
SUL09	41 22.57	119 10.33	4447.0	979870.73	1.42	-14.35	-166.02	-165.94
SUL10	41 22.92	119 10.25	4467.0	979870.09	1.41	-13.63	-165.99	-165.91
SUL11	41 23.22	119 10.10	4493.0	979869.13	1.42	-12.60	-165.84	-165.76
SUL12	41 24.10	119 9.70	4571.0	979866.97	1.46	-8.74	-164.64	-164.54
SUL13	41 24.77	119 9.40	4660.0	979859.25	1.44	-9.09	-168.03	-167.95
SUL14	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	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)
SOL 15	41 25.28	119 8.80	4754.0	979851.53	1.40	-8.74	-170.88	-170.87
SOL 16	41 26.22	119 8.45	4885.0	979839.75	1.33	-9.61	-176.22	-176.29
SOL 17	41 25.63	119 9.47	4987.0	979833.18	1.06	-5.71	-175.80	-176.15
SOL 18	41 24.87	119 10.00	5033.0	979832.61	.93	-.82	-172.48	-172.97
SOL 19	41 23.03	119 10.60	4490.0	979868.36	1.33	-13.37	-166.50	-166.52
SOL 20	41 23.05	119 10.68	4554.0	979861.15	1.20	-14.59	-169.91	-170.06
SOL 21	41 22.87	119 10.62	4502.0	979866.95	1.28	-13.41	-166.96	-167.02
SOL 22	41 22.87	119 10.88	4468.0	979868.73	1.32	-14.83	-167.21	-167.23
SOL 23	41 22.53	119 11.38	4438.0	979867.44	1.30	-18.43	-169.79	-169.82
SOL 26	41 19.35	119 12.55	4382.0	979865.88	1.00	-20.51	-169.96	-170.29
SOL 27	41 19.33	119 13.12	4460.0	979860.79	.89	-18.24	-170.35	-170.80
SOL 28	41 19.35	119 13.77	4520.0	979856.68	.87	-16.74	-170.90	-171.38
SOL 29	41 19.20	119 14.10	4610.0	979848.18	.78	-16.55	-173.78	-174.37
SOL 30	41 19.78	119 12.00	4340.0	979868.06	1.10	-22.92	-170.94	-171.16
SOL 31	41 20.20	119 11.42	4332.0	979870.13	1.22	-22.23	-169.97	-170.07
SOL 32	41 20.38	119 11.97	4358.0	979866.62	1.11	-23.56	-172.20	-172.41
SOL 33	41 20.27	119 12.53	4408.0	979862.41	1.02	-22.91	-173.25	-173.56
SOL 34	41 21.29	119 12.07	4398.0	979864.19	1.14	-23.45	-173.45	-173.64
SOL 35	41 21.13	119 12.52	4429.0	979861.28	1.08	-23.35	-174.40	-174.65
SOL 36	41 21.72	119 14.53	4767.0	979842.83	1.12	-10.91	-173.49	-173.75
SOL 40	41 20.13	119 14.87	4683.4	979845.05	.91	-14.17	-173.91	-174.37
SOL 41	41 20.87	119 11.85	4368.0	979866.50	1.16	-23.47	-172.45	-172.61
SOL 37	41 21.02	119 13.52	4498.2	979856.29	1.06	-21.67	-175.09	-175.37
SOL 38	41 20.70	119 13.67	4518.5	979852.39	1.03	-23.18	-177.29	-177.60
SOL 39	41 20.48	119 14.25	4597.1	979846.77	.99	-21.09	-177.88	-178.25
SOL 42	41 21.02	119 10.85	4355.0	979870.63	1.38	-20.79	-169.32	-169.26
TREUB	40 39.03	119 21.40	3940.0	979829.04	1.12	-38.86	-173.24	-173.37
STMA1	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	7636.0	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	3.44	33.07	-198.41	-196.09
BRK10	41 24.40	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	4.31	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 8.39	118 58.40	5361.0	979809.33	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 gravit. stations--continued

STATION	LATITUDE		LONGITUDE		ELEV.	OBSERVED GRAVITY	TERRAIN CORRECTION	FREE AIR ANOMALY	SIM. BOUGUER ANOMALY	COMP. BOUGUER ANOMALY
(NAME)	(DEG.)	(MIN.)	(DEG.)	(MIN.)	(FEET)	(MILLIGALS)	(MILLIGALS)	(MILLIGALS)	(MILLIGALS)	(MILLIGALS)
BKK20	40	40.35	119	14.58	6020.0	979712.40	6.27	38.04	-167.28	-162.51
BKK21	40	36.66	119	15.70	6994.0	979643.07	11.33	65.72	-172.82	-163.01
BKK22	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
STMHT	40	51.05	119	13.37	4269.0	979863.94	.23	9.09	-136.51	-137.59
SH#2	40	49.60	119	13.52	4084.0	979880.87	.10	10.79	-120.50	-129.68
SH#3	40	49.38	119	13.42	4050.0	979881.61	.00	8.66	-129.47	-130.66
TREGO	40	45.20	119	8.53	4060.0	979852.09	.15	-13.70	-152.17	-153.29
DRYLK	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	.91	-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
A4N	40	38.57	119	17.32	4320.0	979828.05	1.00	-3.44	-150.78	-151.01
A5N	40	38.62	119	18.68	4107.0	979844.60	.86	-6.99	-147.07	-147.49
A6N	40	38.48	119	20.42	3912.0	979830.72	.73	-38.99	-172.42	-172.93
A17N	40	39.25	119	20.73	3918.0	979829.61	1.07	-40.68	-174.31	-174.49
A7N	40	38.62	119	22.17	3918.0	979828.82	.87	-40.54	-174.17	-174.54
H5	40	40.32	119	19.97	3908.0	979831.43	1.10	-41.39	-174.68	-174.79
H4	40	40.28	119	20.38	3909.0	979830.26	1.48	-42.41	-175.73	-175.50
H6.5W	40	40.28	119	20.72	3911.0	979830.16	1.60	-42.32	-175.71	-175.36
H3	40	40.28	119	21.00	3912.0	979831.20	1.51	-41.19	-174.61	-174.34
H2	40	40.32	119	21.27	3915.0	979835.16	1.17	-37.01	-170.53	-170.61
H1	40	40.22	119	22.07	4040.0	979836.92	.63	-23.35	-161.14	-161.77
H7	40	40.58	119	18.08	3908.0	979846.33	.80	-26.88	-160.17	-160.61
H8	40	40.48	119	17.70	3906.0	979848.93	.89	-24.13	-157.42	-157.77
H9	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	16.30	3997.0	979851.46	1.06	-13.15	-149.47	-149.67
B6W	40	40.28	119	19.62	3907.0	979833.50	.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	979840.31	.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	.80	-37.24	-170.42	-170.78
C3	40	42.05	119	19.10	3905.0	979836.47	1.02	-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	1.70	-40.19	-173.38	-172.83
C6	40	42.17	119	16.90	3905.0	979845.71	.61	-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	3414.0	979841.62	2.12	-33.14	-166.63	-165.76
C3N	40	42.15	119	14.48	3495.0	979854.27	.65	-13.10	-149.35	-149.96
C145N	40	43.02	119	15.02	3405.0	979852.91	.56	-24.21	-157.40	-158.08
C155W	40	43.03	119	17.45	3404.0	979846.58	.78	-30.65	-163.80	-164.26
C5.5W	40	42.10	119	18.28	3405.0	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
C6A	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
D0N	40	44.25	119	17.93	4210.0	979839.01	.75	-11.27	-154.86	-155.41
D0E	40	45.98	119	10.90	4030.0	979861.69	.23	-5.11	-142.56	-143.59
D9	40	43.42	119	12.50	3906.0	979858.63	.33	-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	979861.85	.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	-161.83	-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
D3N	40	43.42	119	12.80	3906.0	979857.24	.34	-21.12	-154.34	-155.24
D4W	40	43.48	119	15.00	3904.0	979849.84	.41	-28.80	-161.95	-162.79
D5W	40	43.42	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
E2N	40	45.87	119	10.80	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	979857.45	.20	-9.15	-147.62	-148.70
E5	40	45.77	119	12.38	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 gravimetric stations--continued

STATION NUMBER	LATITUDE (DEGREES-MINUTES)	LONGITUDE (DEGREES-MINUTES)	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	979872.26	.41	-2.76	-138.16	-139.01
E13	40 45.75	119 8.48	3906.0	979859.50	.23	-21.59	-154.81	-155.82
E14	40 45.97	119 6.10	3980.0	979862.00	.24	-12.46	-148.20	-149.21
E23	40 45.82	119 15.17	3905.0	979871.69	.35	-9.59	-142.78	-143.67
E34	40 45.68	119 12.83	3905.0	979857.52	.16	-23.55	-156.74	-157.83
F04	40 47.77	119 15.45	4120.0	979870.25	.24	6.28	-134.24	-135.29
F02	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	-19.64	-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 47.53	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
F3.50	40 47.48	119 13.97	3905.0	979871.55	.17	-12.40	-146.59	-146.66
F44	40 47.50	119 15.15	3907.0	979884.66	.08	1.06	-132.19	-133.15
F18	40 47.43	119 8.42	3905.0	979861.06	.05	-22.62	-155.80	-157.00
F22	40 47.52	119 3.88	3936.0	979868.43	.15	-12.28	-146.59	-147.69
F32	40 47.70	119 1.42	4040.0	979874.32	.17	2.93	-134.86	-135.95
F34	40 47.42	119 12.40	3905.0	979860.48	.11	-23.18	-156.37	-157.50
F24	40 47.27	119 10.88	3905.0	979864.60	.05	-18.84	-152.03	-153.22
F12	40 47.48	119 6.03	3906.0	979859.52	.08	-24.14	-157.36	-158.52
G5E	40 49.48	119 1.82	3936.0	979876.35	.01	-7.47	-141.71	-142.98
G11	40 49.33	119 6.03	3905.0	979856.14	.02	-30.37	-163.55	-164.82
G04	40 49.12	119 15.12	4040.0	979880.43	.08	11.63	-127.87	-128.97
G5.54	40 48.97	119 13.73	3940.0	979885.79	.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. HUUGUER 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 9.88	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
G3N	40 49.10	119 13.03	3905.0	979877.87	.10	-8.29	-141.48	-142.63
G2E	40 49.28	119 3.88	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
H4N	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 9.63	3905.0	979866.20	0.	-22.67	-155.86	-157.11
H3	40 50.87	119 10.25	3905.0	979869.43	0.	-18.07	-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	-.04	-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 SYMBOL	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEV. FEET	UNSERVED GRAVITY MILLIGALS	TERRAIN CORRECTION MILLIGALS	FREE AIR ANOMALY MILLIGALS	SIM. BUJUGUEN ANOMALY MILLIGALS	COMP. BUJUGUEN ANOMALY MILLIGALS
J6	40 52.50	119 10.22	3905.0	979870.74	.04	-20.60	-153.79	-154.99
J6	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	-143.51	-144.48
J3	40 52.58	119 11.67	3913.0	979883.37	.09	-7.22	-140.68	-141.83
J5H	40 52.63	119 13.32	3932.0	979886.60	.15	-2.26	-136.36	-137.49
JPE	40 52.73	119 3.93	3905.0	979853.73	-.06	-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
J1A	40 52.62	119 8.45	3905.0	979850.01	0.	-33.39	-166.58	-167.83
K0W	40 54.83	119 12.68	4047.0	979879.75	.42	-1.59	-159.62	-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 7.55	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
K5E	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	-.05	-37.23	-170.36	-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	.31	-5.39	-140.08	-140.99
K2E	40 54.43	119 3.92	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
K1A	40 56.38	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	-145.37
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 56.34	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	-175.84
L8	40 56.20	119 4.20	3905.0	979854.99	-.02	-41.74	-174.93	-176.20
L9	40 56.23	119 3.55	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 CORRECT. ON (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 57.84	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	3904.0	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
M0E	40 59.40	118 59.67	4071.0	979891.00	.16	5.11	-133.74	-134.85
M13	40 59.28	119 .85	3921.0	979890.36	.15	-9.45	-143.18	-144.28
M10	40 59.58	119 3.03	3904.0	979867.05	.06	-34.34	-167.66	-168.84
M4	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	3911.0	979871.57	.09	-29.48	-162.97	-164.13

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

STATION	LATITUDE	LONGITUDE	ELEV.	OBSERVED GRAVITY	TERRAIN CORRECTION	FREE AIR ANOMALY	SIM. BOUGUER ANOMALY	COMP. BOUGUER ANOMALY
(DEG. MIN.)	(DEG. MIN.)	(FEET)	(MILLIGALS)	(MILLIGALS)	(MILLIGALS)	(MILLIGALS)	(MILLIGALS)	(MILLIGALS)
N10	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 5.47	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
P0N	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 1.42	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
04E	41 3.05	119 1.52	3975.0	979892.09	.23	-8.26	-143.83	-144.85
05E	41 3.05	119 1.35	3986.0	979893.46	.24	-5.36	-141.30	-142.32
06E	41 3.02	119 1.23	4002.0	979895.14	.25	-2.63	-139.12	-140.13
07E	41 3.02	119 .80	4057.0	979891.41	.28	-1.19	-139.56	-140.55
01N	41 3.08	119 7.68	3980.0	979886.74	.75	-13.19	-148.93	-149.43
012E	41 4.23	119 2.67	3920.0	979877.27	.18	-30.01	-163.71	-164.77
011E	41 4.07	119 5.04	3916.0	979876.57	.28	-30.66	-164.29	-165.25
01E	41 3.05	119 6.07	3912.0	979887.78	.38	-18.49	-151.92	-152.78
02E	41 3.08	119 3.93	3909.0	979874.42	.19	-32.18	-165.50	-166.56
02.5E	41 3.28	119 2.47	3923.0	979875.94	.16	-29.64	-163.44	-164.52
03E	41 3.07	119 1.65	3959.0	979891.50	.22	-10.38	-145.41	-146.44
R1N	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	-20.49	-154.86	-155.61
R13E	41 5.72	119 .58	3954.0	979882.97	.25	-23.33	-156.19	-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	3916.0	979875.27	.24	-33.27	-166.90	-167.91
S1N	41 6.62	119 8.02	4010.0	979882.14	1.00	-20.24	-157.01	-157.26
S4E	41 6.87	118 54.52	3990.0	979904.18	.36	-4.45	-136.54	-137.43
T1E	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	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	-154.32
T3.5E	41 8.65	119 8.37	4040.0	979908.31	.65	5.76	-132.04	-132.65
U1W	41 10.17	119 8.17	4028.0	979874.38	1.21	-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	.60	-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
U0E	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	1.70	-12.56	-160.92	-160.45
V2	41 12.65	119 4.03	4243.0	979870.44	1.60	-19.02	-163.74	-163.41
V3	41 12.48	119 4.50	4150.0	979871.32	1.41	-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	.95	-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 50.72	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	-131.36	-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 8.47	3909.0	979877.28	-.10	-12.97	-146.29	-147.64
BRL10	40 52.50	119 8.47	3909.0	979876.57	-.10	-14.28	-147.60	-148.95
BRL11	40 53.00	119 8.42	3911.0	979875.67	-.10	-15.73	-149.12	-150.46
BRL12	40 53.40	119 8.42	3915.0	979876.10	-.11	-15.52	-149.05	-150.41
BRL13	40 53.78	119 8.32	3920.0	979878.52	-.11	-13.20	-146.90	-148.26
BRL14	40 57.23	119 8.18	3955.0	979885.59	-.02	-7.97	-142.86	-144.14

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

STATION	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)
BRL18	40 55.78	119 .10	3919.0	979883.13				
BRL17	40 55.30	119 .06	3919.0	979878.56	-.08	-11.66	-145.32	-146.66
BRL16	40 54.87	119 .13	3909.0	979877.89	-.09	-16.36	-149.72	-151.06
BRL15	40 54.42	119 .17	3915.0	979878.56	-.10	-16.48	-149.81	-151.16
BRL14	40 53.97	119 .22	3920.0	979878.90	-.10	-14.58	-148.11	-149.47
					-.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 49.43	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 51.23	119 .35	3914.0	979878.67	-.08	-9.82	-143.31	-144.65
BRL8	40 51.73	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.