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Principal facts for gravity stations  
in The Geysers - Clear Lake region,  
California

By William F. Isherwood  
U.S. Geological Survey  
Denver, Colo.

and

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Sacramento, Calif.

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This report has not been edited  
or reviewed for conformity to  
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UNIVERSITY OF UTAH  
RESEARCH INSTITUTE  
EARTH SCIENCE LAB.

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*R. H. Chapman*

PRINCIPAL FACTS FOR GRAVITY STATIONS IN  
THE GEYSERS - CLEAR LAKE REGION, CALIFORNIA

By William F. Isherwood

Rodger H. Chapman

The following stations were occupied mainly between 1965 and 1974 by California Division of Mines and Geology and U.S.G.S. personnel. Station prefixes indicate the worker responsible for observations as listed below:

C	Rodger Chapman (CDM & G)
CL	Rodger Chapman (CDM & G)
G	Rodger Chapman (CDM & G)
UB	Rodger Chapman (CDM & G)
E	Rodger Chapman (CDM & G)
SR	Rodger Chapman (CDM & G)
PL	Donald Plouff (U.S.G.S.)
W	William Isherwood (U.S.G.S.)

Where multiple observations have been made, time weighted averages of observed gravity are listed.

Abbreviations for the headings of the accompanying tables of principal facts are explained in the following list:

GBV	value in milligals for gravity base station at Kelseyville, Bank of America building, 1.05 m (3.45 feet) below U.S.G.S. bench mark H-41, (Chapman 1966). This is part of the California Base Station Network which is tied to the N. American gravity net at San Francisco International Airport.
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STATION	station number
LATITUDE	north latitude in degrees, minutes and hundredths of minutes
LONGITUDE	west longitude in degrees, minutes, and hundredths of minutes
ELEV	elevation of station in feet
OBS GRAV	observed gravity in milligals minus 900,000 milligals
F. A.	free air anomaly in milligals
S.B. 1	simple Bouguer anomaly in milligals for an assumed density of 2.67 g/cc
S.B. 2	simple Bouguer anomaly in milligals for an assumed density of 2.45 g/cc
CC	curvature correction in milligals
TC	hand terrain correction in milligals from the station out through 2.614 km (8,578 feet - Hammer zone H), for an assumed density of 2.67 g/cc
TER	machine terrain correction in milligals, from outer edge of TC correction through 166.7 km (~ 100 miles - Hayford zone O), for an assumed density of 2.67 g/cc
TOT	sum of TC + TER, total terrain correction in milligals out to 166.7 km for an assumed density of 2.67 g/cc

- C.B. 1 complete Bouguer anomaly in milligals  
for an assumed density of 2.67 g/cc
- C.B. 2 complete Bouguer anomaly in milligals  
for an assumed density of 2.45 g/cc

## Reference

Chapman, R. H., 1966, The California Division of Mines and Geology gravity base stations network: California Division of Mines and Geology Special Report 90, 49 p.

SUMMARY OF THE GRAVITY STATIONS

GBV = 979,970.83 mgal

STATION	LATITUDE	LONGITUDE	ELEV	OBS GRAV	F.A.	S.R.1	S.R.2	CC	TC	TER	TOT	C.R.1	C.R.2	STA
W 1	38 49.23	122 49.12	3138.6	79839.75	58.78	-48.26	-39.44	1.08	7.05	4.92	11.97	-37.37	-29.45	W 1
W 2	38 48.06	122 48.25	1628.1	79930.56	9.78	-46.25	-41.67	0.64	5.25	3.11	8.36	-38.53	-34.59	W 2
W 3	38 48.80	122 45.85	3713.2	79807.67	81.36	-45.29	-34.85	1.20	3.25	6.67	9.92	-36.58	-26.85	W 3
W 4	38 48.81	122 45.93	3682.3	79810.05	80.82	-44.77	-34.43	1.20	3.18	6.52	9.70	-36.27	-26.63	W 4
W 5	38 48.90	122 46.33	3465.4	79826.38	76.62	-41.57	-31.83	1.15	1.97	5.50	7.47	-35.25	-26.03	W 5
W 6	38 48.79	122 46.88	3671.4	79809.68	79.45	-45.77	-35.45	1.20	6.31	6.78	13.09	-33.88	-24.54	W 6
W 7	38 48.73	122 47.32	3434.6	79825.76	73.36	-43.79	-34.13	1.15	4.03	5.73	9.76	-35.17	-26.23	W 7
W 8	38 48.90	122 48.02	3192.1	79840.12	64.67	-44.20	-35.23	1.09	4.33	4.82	9.15	-36.14	-27.84	W 8
W 9	38 48.95	122 48.28	3234.0	79835.49	63.90	-46.40	-37.31	1.10	6.53	5.06	11.59	-35.90	-27.68	W 9
W 10	38 49.08	122 48.90	3072.5	79846.33	59.37	-45.42	-36.79	1.06	4.84	4.59	9.43	-37.05	-29.11	W 10
W 11	38 49.16	122 49.78	2937.3	79854.25	54.46	-45.72	-37.47	1.03	6.28	4.37	10.65	-36.09	-28.63	W 11
W 12	38 48.63	122 46.08	3235.6	79838.37	67.35	-43.00	-33.91	1.10	3.89	4.49	8.38	-35.72	-27.23	W 12
W 13	38 48.29	122 45.83	3270.1	79835.57	68.36	-43.17	-33.98	1.11	4.27	4.61	8.88	-35.39	-26.84	W 13
W 14	38 47.73	122 45.45	3179.5	79842.52	67.60	-40.84	-31.91	1.09	3.39	4.36	7.75	-34.17	-25.79	W 14
W 15	38 47.76	122 45.89	3162.4	79844.16	67.59	-40.27	-31.38	1.08	3.48	4.37	7.85	-33.50	-25.17	W 15
W 16	38 47.55	122 45.75	3105.3	79847.67	66.04	-39.87	-31.14	1.07	4.12	4.22	8.34	-32.60	-24.47	W 16
W 17	38 48.83	122 48.85	2699.1	79870.46	48.76	-43.30	-35.71	0.97	3.57	3.38	6.95	-37.31	-30.22	W 17
W 18	38 48.77	122 49.46	2274.0	79896.79	35.21	-42.35	-35.96	0.84	3.31	2.67	5.98	-37.22	-31.25	W 18
W 19	38 48.57	122 48.92	2066.3	79907.66	26.84	-43.64	-37.83	0.78	4.01	2.54	6.55	-37.87	-32.53	W 19
W 20	38 48.36	122 48.48	2008.3	79910.33	24.36	-44.13	-38.49	0.76	4.23	2.61	6.84	-38.06	-32.91	W 20
W 21	38 48.32	122 48.88	1893.5	79917.20	20.50	-44.08	-38.76	0.73	3.98	2.63	6.61	-38.20	-33.37	W 21
W 23	38 48.19	122 48.30	1729.5	79924.48	12.55	-46.44	-41.58	0.67	5.38	2.92	8.30	-38.61	-34.58	W 23
W 24	38 47.84	122 48.06	1454.7	79938.01	0.75	-48.87	-44.78	0.58	7.58	3.59	11.17	-38.28	-35.06	W 24
W 25	38 47.94	122 48.11	1494.0	79936.62	2.91	-48.05	-43.85	0.59	7.53	3.46	10.99	-37.65	-34.31	W 25
W 26	38 47.97	122 49.98	1595.8	79933.33	9.15	-45.28	-40.80	0.63	5.62	2.95	8.57	-37.34	-33.51	W 26
W 27	38 47.96	122 48.74	1523.3	79938.33	7.34	-44.61	-40.33	0.60	5.53	3.14	8.67	-36.55	-32.93	W 27
W 28	38 48.00	122 49.56	1676.3	79932.27	15.61	-41.56	-36.85	0.66	2.90	2.68	5.58	-36.64	-32.34	W 28
W 29	38 48.35	122 50.32	1685.8	79931.72	15.44	-42.06	-37.32	0.66	6.18	2.46	8.64	-34.08	-30.00	W 29
W 30	38 47.79	122 50.37	2445.5	79888.55	44.53	-38.88	-32.00	0.89	3.78	3.21	6.99	-32.79	-26.41	W 30
W 31	38 47.63	122 50.07	2567.1	79879.62	47.27	-40.29	-33.07	0.93	4.35	3.54	7.89	-33.33	-26.69	W 31
W 32	38 49.36	122 46.43	3365.1	79831.10	71.24	-43.53	-34.08	1.13	2.85	4.95	7.80	-36.87	-27.96	W 32
W 33	38 49.43	122 46.86	3453.9	79824.48	72.86	-44.94	-35.23	1.15	4.10	5.45	9.55	-36.53	-27.52	W 33
W 34	38 49.89	122 47.43	3166.9	79842.91	63.64	-44.38	-35.48	1.08	2.83	4.26	7.09	-38.37	-29.97	W 34
W 35	38 50.33	122 47.86	3245.4	79838.14	65.60	-45.09	-35.97	1.10	3.92	4.58	8.50	-37.69	-29.18	W 35
W 36	38 49.12	122 46.13	3408.3	79829.12	73.67	-42.57	-32.99	1.14	2.21	5.13	7.34	-36.37	-27.30	W 36
W 37	38 47.61	122 47.92	1645.9	79929.52	10.58	-45.56	-40.94	0.65	6.85	3.20	10.05	-36.16	-32.31	W 37
W 38	38 47.54	122 47.74	1677.4	79928.32	12.44	-44.77	-40.06	0.66	5.81	3.20	9.01	-36.41	-32.39	W 38
W 39	38 47.40	122 47.41	1931.7	79915.82	24.06	-41.82	-36.40	0.74	5.16	2.93	8.09	-34.48	-29.65	W 39
W 40	38 47.21	122 46.90	1886.3	79918.52	22.77	-41.57	-36.27	0.72	4.13	3.09	7.22	-35.07	-30.30	W 40
W 41	38 47.20	122 46.71	1858.7	79919.27	20.94	-42.46	-37.23	0.72	4.33	3.20	7.53	-35.64	-30.98	W 41
W 42	38 47.04	122 46.06	2163.3	79899.20	29.75	-44.04	-37.96	0.81	5.62	3.02	8.64	-36.21	-30.77	W 42
W 43	38 46.48	122 45.54	2248.5	79898.27	37.65	-39.04	-32.72	0.84	3.73	2.89	6.62	-33.26	-27.41	W 43
W 44	38 46.39	122 45.30	2321.8	79893.80	40.20	-38.98	-32.46	0.86	2.69	2.92	5.61	-34.23	-28.10	W 44
W 45	38 46.21	122 44.61	2689.8	79872.17	53.44	-38.30	-30.74	0.96	1.36	3.42	4.78	-34.48	-27.24	W 45
W 46	38 47.39	122 45.56	3227.3	79879.10	69.17	-40.90	-31.83	1.10	4.35	4.68	9.03	-32.97	-24.55	W 46
W 47	38 47.03	122 42.62	2054.9	79913.95	34.25	-35.64	-30.07	0.78	1.67	2.97	4.64	-31.98	-26.53	W 47
W 48	38 47.01	122 43.14	2140.9	79906.28	34.76	-38.25	-32.24	0.80	2.66	2.94	5.60	-33.46	-27.84	W 48
W 49	38 46.48	122 43.19	2264.8	79899.34	39.67	-37.58	-31.21	0.84	2.52	2.90	5.42	-33.00	-27.01	W 49
W 50	38 46.79	122 43.34	2448.1	79887.47	45.16	-38.33	-31.45	0.90	2.52	3.01	5.53	-33.70	-27.20	W 50
W 51	38 46.36	122 43.93	3178.3	79843.56	70.54	-37.86	-28.93	1.09	1.31	4.95	6.26	-32.69	-24.18	W 51

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STATION	LATITUDE	LONGITUDE	ELEV	ORS GRAV	F.A.	S.B.1	S.B.2	CC	TC	TER	TOT	C.B.1	C.B.2	STA
W 52	38 46.13	122 44.29	2962.7	79856.11	63.16	-37.89	-29.56	1.03	1.73	4.21	5.94	-32.98	-25.06	W 52
W 53	38 46.41	122 44.81	2452.9	79885.91	44.61	-39.05	-32.15	0.90	2.32	3.01	5.33	-34.62	-28.09	W 53
W 54	38 46.67	122 45.75	2342.6	79892.51	40.46	-39.44	-32.86	0.87	4.75	2.96	7.71	-32.60	-26.58	W 54
W 55	38 46.52	122 44.52	2747.5	79868.79	55.03	-38.68	-30.96	0.98	2.61	3.50	6.11	-33.55	-26.25	W 55
W 56	38 46.62	122 44.43	2833.0	79864.53	58.66	-37.96	-30.00	1.00	2.23	3.69	5.92	-33.04	-25.49	W 56
W 57	38 46.85	122 44.99	3103.1	79845.35	64.54	-41.30	-32.57	1.07	4.07	4.44	8.51	-33.85	-25.75	W 57
W 58	38 47.17	122 45.20	3361.2	79829.86	72.85	-41.79	-32.35	1.13	4.52	5.31	9.83	-33.09	-24.36	W 58
W 59	38 46.57	122 43.56	2865.9	79862.63	59.93	-37.82	-29.76	1.01	2.96	3.82	6.78	-32.04	-24.46	W 59
W 60	38 52.55	122 43.65	2607.0	79869.74	33.92	-55.00	-47.67	0.94	1.23	2.39	3.62	-52.32	-45.22	W 60
W 61	38 53.24	122 44.71	3978.0	79770.00	62.06	-73.62	-62.44	1.26	9.23	8.66	17.89	-56.98	-47.18	W 61
W 63	38 52.45	122 42.51	3692.0	79795.08	61.41	-64.51	-54.13	1.20	7.99	6.88	14.87	-50.84	-41.59	W 63
W 64	38 46.68	122 44.06	3332.0	79831.17	72.13	-41.51	-32.15	1.12	5.01	5.49	10.50	-32.14	-23.55	W 64
W 65	38 46.13	122 43.64	3439.0	79824.20	76.03	-41.26	-31.60	1.15	5.39	6.30	11.69	-30.72	-21.92	W 65
W 66	38 45.82	122 45.61	3355.0	79827.84	72.23	-42.20	-32.77	1.13	4.71	6.17	10.88	-32.45	-23.83	W 66
W 67	38 46.03	122 46.24	3341.0	79828.83	71.59	-42.36	-32.97	1.12	4.61	6.09	10.70	-32.78	-24.18	W 67
W 68	38 45.07	122 46.05	2332.0	79895.77	45.07	-34.47	-27.91	0.86	1.41	3.28	4.69	-30.64	-24.40	W 68
W 69	38 44.77	122 45.98	2119.0	79911.02	40.73	-31.54	-25.58	0.80	1.03	3.06	4.09	-28.25	-22.56	W 69
W 70	38 44.17	122 45.65	2080.0	79914.54	41.47	-29.48	-23.63	0.79	0.99	3.25	4.24	-26.02	-20.46	W 70
W 71	39 43.60	122 45.13	2145.3	79908.85	42.75	-30.42	-24.39	0.81	3.09	3.56	6.65	-24.58	-19.03	W 71
W 72	38 43.69	122 45.90	1921.4	79923.47	36.19	-29.35	-23.95	0.74	2.12	3.17	5.29	-24.79	-19.77	W 72
W 73	38 43.25	122 45.80	1549.2	79947.74	26.10	-26.74	-22.38	0.61	2.61	2.78	5.39	-21.96	-18.00	W 73
W 74	38 42.44	122 45.67	1226.0	79969.67	18.83	-22.99	-19.54	0.50	1.76	2.44	4.20	-19.28	-16.14	W 74
W 75	38 41.93	122 46.42	702.7	80002.73	3.98	-20.19	-18.20	0.30	2.08	2.32	4.40	-16.09	-14.44	W 75
W 76	38 45.22	122 44.73	3280.0	79833.74	71.96	-39.91	-30.70	1.11	4.03	6.19	10.22	-30.80	-22.33	W 76
W 77	38 44.88	122 44.36	3282.0	79834.28	73.18	-38.76	-29.53	1.11	5.48	6.50	11.98	-27.89	-19.56	W 77
W 78	38 44.09	122 43.52	3452.0	79824.46	80.50	-37.23	-27.53	1.15	4.29	8.46	12.75	-25.63	-16.88	W 78
W 79	38 47.24	122 48.93	3054.1	79847.06	61.07	-43.09	-34.51	1.06	5.87	5.11	10.98	-33.17	-25.40	W 79
W 80	38 46.51	122 47.65	3453.1	79819.72	72.32	-45.46	-35.75	1.15	5.70	6.93	12.63	-33.98	-25.22	W 80
W 82	38 48.37	122 52.01	2206.0	79905.84	38.45	-36.79	-30.59	0.82	3.32	2.93	6.25	-31.36	-25.61	W 82
W 84	38 48.66	122 53.28	2324.0	79898.78	42.06	-37.20	-30.67	0.86	6.70	3.57	10.27	-27.80	-22.04	W 84
W 85	38 48.03	122 53.83	2211.0	79906.00	39.58	-35.83	-29.62	0.83	8.75	3.53	12.28	-24.38	-19.11	W 85
W 87	38 48.12	122 56.42	1550.0	79956.91	28.20	-24.67	-20.31	0.61	1.45	2.32	3.77	-21.51	-17.42	W 87
W 88	38 47.96	122 55.08	1337.0	79966.04	17.53	-28.07	-24.31	0.54	4.52	1.95	6.47	-22.13	-18.87	W 88
W 89	38 48.10	122 39.24	2605.0	79876.57	49.09	-39.75	-32.43	0.94	4.71	3.65	8.36	-32.34	-25.63	W 89
W 90	38 47.52	122 38.71	2585.0	79878.91	48.40	-39.76	-32.50	0.93	8.55	3.88	12.43	-28.27	-21.95	W 90
W 91	38 51.51	122 37.62	1505.0	79953.58	15.66	-35.67	-31.44	0.60	1.18	1.41	2.59	-33.68	-29.61	W 91
W 93	38 47.90	122 40.74	3018.0	79849.20	58.85	-44.09	-35.60	1.05	5.40	4.67	10.07	-35.06	-27.33	W 93
W 94	38 48.44	122 41.02	3503.0	79816.14	70.59	-48.88	-39.04	1.16	3.95	6.87	10.82	-39.22	-30.17	W 94
W 95	38 48.88	122 41.00	3658.0	79806.79	75.17	-49.59	-39.31	1.19	2.61	7.73	10.34	-40.44	-30.92	W 95
W 96	38 49.17	122 40.33	2783.0	79865.87	51.56	-43.36	-35.54	0.99	2.92	3.60	6.52	-37.83	-30.47	W 96
W 97	38 50.18	122 39.69	2701.0	79869.85	46.34	-45.78	-38.19	0.97	3.75	3.24	6.99	-39.75	-32.66	W 97
W 98	38 49.85	122 41.17	3170.0	79839.70	60.78	-47.34	-38.43	1.08	1.98	4.56	6.54	-41.88	-33.42	W 98
W 99	38 52.03	122 44.50	2860.0	79856.35	45.08	-52.47	-44.43	1.01	0.50	2.88	3.38	-50.09	-42.25	W 99
W 100	38 53.65	122 47.22	2864.5	79860.13	46.90	-50.80	-42.75	1.01	0.48	3.12	3.60	-48.20	-40.37	W 100
W 101	38 54.35	122 48.25	2842.0	79860.78	44.41	-52.52	-44.54	1.00	2.29	3.40	5.69	-47.84	-40.24	W 101
W 102	38 54.00	122 47.63	2962.0	79852.47	47.89	-53.13	-44.81	1.03	2.90	3.60	6.50	-47.66	-39.79	W 102
W 103	38 52.54	122 46.41	2794.0	79863.37	45.14	-50.15	-42.30	0.99	1.23	2.75	3.98	-47.16	-39.56	W 103
W 104	38 51.00	122 47.76	3070.0	79851.27	60.81	-43.89	-35.27	1.05	3.75	3.72	7.47	-37.48	-29.38	W 104
W 105	38 59.93	122 52.47	1357.0	79982.99	18.78	-27.51	-23.69	0.55	0.00	1.29	1.29	-26.76	-23.01	W 105
W 106	39 1.65	122 50.22	1326.5	79973.67	4.06	-41.18	-37.45	0.53	0.00	1.29	1.29	-40.42	-36.76	W 106

STATION	LATITUDE	LONGITUDE	ELEV	ORS GRAV	F.A.	S.B.1	S.B.2	CC	TC	TER	TOT	C.B.1	C.B.2	STA
W 107	39 1.47	122 53.32	1328.5	79987.78	18.62	-26.69	-22.95	0.53	0.00	1.28	1.28	-25.94	-22.27	W 107
W 108	39 2.03	122 54.72	1331.0	79986.88	17.13	-28.26	-24.52	0.54	0.04	1.35	1.39	-27.40	-23.73	W 108
W 109	39 5.21	122 54.46	1758.0	79964.83	30.56	-29.40	-24.46	0.68	2.52	1.56	4.08	-26.01	-21.34	W 109
W 110	39 4.31	122 55.53	1635.0	79974.75	30.24	-25.53	-20.93	0.64	2.33	1.44	3.77	-22.40	-18.06	W 110
W 111	39 2.73	122 57.38	1651.0	79975.53	34.85	-21.46	-16.82	0.65	1.49	1.57	3.06	-19.05	-14.61	W 111
W 112	38 45.36	122 43.77	3240.0	79838.23	72.46	-38.03	-28.92	1.10	4.81	5.80	10.61	-28.52	-20.20	W 112
W 113	38 44.43	122 49.95	2011.0	79924.11	44.17	-24.42	-18.77	0.76	1.90	3.48	5.38	-19.81	-14.54	W 113
W 114	38 43.71	122 49.45	1925.0	79929.30	42.33	-23.33	-17.92	0.74	1.86	3.57	5.43	-18.63	-13.61	W 114
W 115	38 43.17	122 49.48	1446.0	79958.09	26.86	-22.45	-18.39	0.58	2.06	2.75	4.81	-18.22	-14.50	W 115
W 116	38 41.63	122 49.88	243.0	80030.70	-11.41	-19.70	-19.01	0.11	0.36	2.22	2.58	-17.22	-16.74	W 116
W 117	38 56.18	122 50.93	1456.0	79960.10	10.71	-38.95	-34.86	0.58	0.42	1.69	2.11	-37.42	-33.45	W 117
W 118	38 50.02	122 50.39	2036.5	79912.26	26.51	-42.95	-37.23	0.77	3.76	2.45	6.21	-37.51	-32.24	W 118
W 119	38 50.67	122 50.44	1897.1	79920.45	20.63	-44.07	-38.74	0.73	3.76	2.32	6.08	-38.72	-33.83	W 119
W 120	38 50.47	122 49.64	2411.0	79889.58	38.38	-43.85	-37.07	0.89	2.02	2.58	4.60	-40.13	-33.66	W 120
W 121	38 50.03	122 48.97	2528.9	79881.34	41.87	-44.38	-37.27	0.92	2.71	2.80	5.51	-39.79	-33.06	W 121
W 122	38 49.58	122 50.63	2793.7	79864.73	50.82	-44.46	-36.61	0.99	5.21	4.05	9.26	-36.19	-29.02	W 122
W 123	38 51.39	122 49.53	3304.5	79836.01	67.47	-45.24	-35.95	1.12	4.12	5.17	9.29	-37.06	-28.45	W 123
W 124	38 50.23	122 48.24	3061.7	79850.20	60.54	-43.89	-35.28	1.06	2.39	4.00	6.39	-38.56	-30.39	W 124
W 125	38 49.58	122 48.07	2446.4	79886.61	40.05	-43.39	-36.52	0.90	2.19	2.66	4.85	-39.44	-32.89	W 125
W 126	38 48.23	122 48.76	1741.3	79926.13	15.25	-44.14	-39.25	0.68	3.67	2.76	6.43	-38.40	-33.98	W 126
W 127	38 48.37	122 49.24	1606.1	79933.25	9.45	-45.33	-40.82	0.63	4.07	2.84	6.91	-39.05	-35.05	W 127
W 128	38 48.48	122 49.81	1646.5	79933.17	13.00	-43.15	-38.52	0.65	4.30	2.62	6.92	-36.87	-32.76	W 128
W 129	38 49.26	122 51.32	1946.4	79916.54	25.43	-40.95	-35.48	0.74	4.10	2.33	6.43	-35.27	-30.27	W 129
W 130	38 48.24	122 47.58	3025.1	79848.21	58.03	-45.15	-36.65	1.05	6.33	4.14	10.47	-35.72	-28.00	W 130
W 131	38 50.53	122 48.61	3307.1	79830.08	63.05	-49.75	-40.45	1.12	4.50	5.09	9.59	-41.28	-32.68	W 131
W 132	38 51.00	122 48.99	3357.5	79828.78	65.80	-48.72	-39.28	1.13	5.39	5.36	10.75	-39.10	-30.46	W 132
W 133	38 49.67	122 46.99	3329.6	79832.24	68.59	-44.98	-35.62	1.12	2.93	4.83	7.76	-38.33	-29.52	W 133
W 134	38 58.42	122 46.31	4278.5	79756.61	69.30	-76.62	-64.60	1.31	13.04	15.26	28.30	-49.62	-39.82	W 134
W 135	38 59.38	122 46.08	3967.0	79778.20	60.20	-75.10	-63.95	1.25	18.79	12.75	31.54	-44.81	-36.16	W 135
W 136	38 58.08	122 46.29	3561.0	79815.73	60.15	-61.30	-51.30	1.17	5.28	9.06	14.34	-48.13	-39.21	W 136
W 137	38 57.12	122 47.53	1752.0	79934.88	11.94	-47.81	-42.89	0.68	2.02	1.78	3.80	-44.69	-40.02	W 137
W 138	38 57.40	122 45.60	2235.0	79904.63	26.70	-49.53	-43.25	0.83	2.89	2.06	4.95	-45.41	-39.47	W 138
W 139	38 47.80	122 45.08	3705.0	79806.73	80.98	-45.38	-34.97	1.20	4.61	6.78	11.39	-35.20	-25.63	W 139
W 140	38 47.64	122 44.69	3750.0	79802.44	81.29	-46.61	-36.07	1.21	3.85	7.18	11.03	-36.79	-27.06	W 140
W 141	38 47.52	122 44.82	3750.0	79801.30	80.32	-47.57	-37.04	1.21	4.56	7.22	11.78	-37.00	-27.34	W 141
W 142	38 46.81	122 51.84	2619.0	79880.09	53.82	-35.50	-28.14	0.94	6.16	4.82	10.98	-25.46	-18.93	W 142
W 143	38 54.08	122 41.00	2187.0	79910.80	33.24	-41.36	-35.21	0.82	0.32	1.87	2.19	-39.98	-33.95	W 143
W 144	38 54.02	122 41.33	2190.0	79909.03	31.84	-42.86	-36.70	0.82	0.32	1.89	2.21	-41.46	-35.42	W 144
W 145	38 53.20	122 41.66	2399.0	79892.08	35.74	-46.08	-39.34	0.88	0.87	2.15	3.02	-43.94	-37.37	W 145
W 146	38 53.97	122 43.55	2515.0	79879.88	33.32	-52.46	-45.39	0.91	2.27	2.30	4.57	-48.80	-42.64	W 146
W 147	38 50.17	122 57.89	1854.0	79941.49	38.36	-24.88	-19.67	0.71	1.55	2.85	4.40	-21.19	-16.28	W 147
W 148	38 50.87	122 54.08	2677.0	79880.97	54.20	-37.11	-29.58	0.96	4.35	4.14	8.49	-29.58	-22.68	W 148
W 149	38 53.64	122 54.23	2801.0	79881.28	62.10	-33.44	-25.57	0.99	1.82	3.76	5.58	-28.85	-21.35	W 149
W 150	38 52.76	122 48.74	2661.0	79880.05	48.99	-41.76	-34.28	0.95	1.71	2.71	4.42	-38.30	-31.11	W 150
SR942	38 53.36	122 43.87	2580.0	79873.32	33.77	-54.23	-46.98	0.93	1.48	2.37	3.85	-51.31	-44.30	SR942
SR943	38 55.09	122 44.45	2128.0	79909.11	24.51	-48.06	-42.08	0.80	0.39	1.80	2.19	-46.67	-40.81	SR943
PL 1	39 6.21	122 53.85	1329.0	79983.76	7.68	-37.65	-33.92	0.54	0.02	1.49	1.51	-36.68	-33.02	PL 1
PL 2	39 5.61	122 54.08	1333.0	79985.64	10.81	-34.65	-30.90	0.54	0.09	1.41	1.50	-33.68	-30.01	PL 2
PL 3	39 4.97	122 54.17	1329.5	79990.50	16.29	-29.06	-25.32	0.54	0.21	1.36	1.57	-28.02	-24.37	PL 3
PL 4	39 3.52	122 54.69	1328.0	79989.64	17.42	-27.87	-24.14	0.53	0.01	1.35	1.36	-27.05	-23.38	PL 4



STATION	LATITUDE	LONGITUDE	ELEV	OBS GRAV	F.A.	S.R.1	S.R.2	CC	TC	TER	TOT	C.B.1	C.B.2	SIA
PL 6	39 1.63	122 50.78	1327.0	79974.39	4.86	-40.40	-36.67	0.53	0.01	1.28	1.29	-39.64	-35.98	PL 6
PL 7	39 1.11	122 48.17	1326.0	79977.64	8.78	-36.45	-32.72	0.53	0.07	1.48	1.55	-35.43	-31.79	PL 7
PL 8	39 0.42	122 47.20	1330.0	79979.92	12.45	-32.91	-29.18	0.54	1.03	1.73	2.76	-30.69	-27.13	PL 8
PL 9	39 1.28	122 45.06	1328.0	79978.10	9.17	-36.12	-32.39	0.53	0.03	1.60	1.63	-35.02	-31.38	PL 9
PL 10	38 59.54	122 44.51	1327.0	79973.30	6.84	-38.42	-34.69	0.53	1.58	1.81	3.39	-35.56	-32.07	PL 10
PL 11	38 57.78	122 43.81	1328.0	79969.58	5.80	-39.49	-35.76	0.53	2.34	1.86	4.20	-35.83	-32.40	PL 11
PL 12	38 57.07	122 41.24	1328.0	79980.11	17.37	-27.92	-24.19	0.53	0.54	1.33	1.87	-26.59	-22.96	PL 12
PL 13	38 56.69	122 40.38	1327.5	79975.65	13.43	-31.85	-28.12	0.53	1.52	1.29	2.81	-29.57	-26.03	PL 13
PL 14	38 56.38	122 39.17	1327.0	79973.39	11.57	-33.69	-29.96	0.53	2.25	1.20	3.45	-30.77	-27.28	PL 14
PL 15	38 53.03	122 43.42	2571.0	79875.65	35.74	-51.95	-44.73	0.93	0.61	2.34	2.95	-49.94	-42.88	PL 15
PL 16	38 53.60	122 43.29	2952.0	79850.83	45.90	-54.78	-46.49	1.03	2.04	3.43	5.47	-50.35	-42.42	PL 16
PL 18	39 1.46	122 43.52	1331.5	79979.36	10.50	-34.91	-31.17	0.54	1.31	1.49	2.80	-32.65	-29.09	PL 18
PL 19	39 2.57	122 46.51	1326.0	79984.76	13.75	-31.48	-27.75	0.53	0.99	1.68	2.67	-29.34	-25.79	PL 19
PL 20	39 3.53	122 46.78	1330.0	79983.64	11.59	-33.77	-30.03	0.54	2.31	1.93	4.24	-30.06	-26.63	PL 20
PL 21	39 4.29	122 46.85	1332.0	79980.49	7.51	-37.92	-34.17	0.54	1.33	2.24	3.57	-34.88	-31.38	PL 21
PL 22	39 5.97	122 48.18	1332.0	79983.59	8.14	-37.29	-33.54	0.54	0.97	2.94	3.91	-33.91	-30.45	PL 22
PL 23	39 2.13	122 44.63	1334.0	79978.67	9.06	-36.44	-32.69	0.54	2.23	1.68	3.91	-33.07	-29.60	PL 23
PL 24	39 1.18	122 40.28	1328.0	79978.27	9.49	-35.80	-32.07	0.53	0.24	1.28	1.52	-34.82	-31.17	PL 24
PL 25	38 58.35	122 40.28	1330.0	79981.49	17.06	-28.30	-24.56	0.54	0.50	1.12	1.62	-27.22	-23.57	PL 25
PL 26	38 58.63	122 41.82	1333.0	79979.36	14.80	-30.66	-26.92	0.54	0.08	1.26	1.34	-29.86	-26.18	PL 26
PL 27	38 57.57	122 38.89	1331.0	79977.95	14.76	-30.63	-26.89	0.54	0.02	1.08	1.10	-30.07	-26.38	PL 27
PL 28	38 49.48	122 42.75	2715.0	79866.77	45.61	-46.99	-39.36	0.97	1.72	3.00	4.72	-43.24	-35.92	PL 28
PL 29	38 49.20	122 43.04	2560.0	79879.59	44.27	-43.05	-35.85	0.93	2.36	2.81	5.17	-38.81	-31.96	PL 29
C 1	38 58.69	122 50.25	1382.5	79970.83	10.84	-36.31	-32.43	0.55	0.01	1.51	1.52	-35.35	-31.54	C 1
C 2	38 58.94	122 50.70	1377.0	79973.35	12.47	-34.49	-30.62	0.55	0.00	1.43	1.43	-33.62	-29.82	C 2
C 3	38 59.37	122 50.70	1366.0	79974.69	12.15	-34.44	-30.60	0.55	0.00	1.39	1.39	-33.60	-29.83	C 3
C 4	38 59.43	122 51.36	1356.0	79978.49	14.92	-31.33	-27.52	0.54	0.00	1.34	1.34	-30.54	-26.79	C 4
C 5	38 59.61	122 51.64	1356.0	79980.96	17.12	-29.12	-25.31	0.54	0.00	1.32	1.32	-28.35	-24.61	C 5
C 6	38 59.60	122 52.47	1359.0	79980.54	17.00	-29.35	-25.53	0.55	0.00	1.31	1.31	-28.59	-24.83	C 6
C 7	38 59.62	122 53.59	1360.0	79980.98	17.51	-28.88	-25.06	0.55	0.02	1.36	1.38	-28.04	-24.29	C 7
C 8	38 59.85	122 53.97	1362.0	79983.00	19.37	-27.08	-23.25	0.55	0.00	1.37	1.37	-26.25	-22.49	C 8
C 9	38 59.82	122 54.68	1381.0	79985.10	23.31	-23.80	-19.92	0.55	0.11	1.41	1.52	-22.83	-19.03	C 9
C 10	38 59.97	122 54.78	1397.0	79984.88	24.37	-23.28	-19.35	0.56	0.11	1.40	1.51	-22.32	-18.48	C 10
C 11	38 59.74	122 55.38	1400.0	79987.01	27.12	-20.63	-16.69	0.56	0.91	1.48	2.39	-18.80	-15.02	C 11
C 12	38 59.74	122 56.02	1424.0	79982.30	24.67	-23.90	-19.90	0.57	0.47	1.55	2.02	-22.45	-18.57	C 12
C 13	38 59.78	122 56.92	1586.0	79969.92	27.46	-26.63	-22.17	0.63	0.58	1.64	2.22	-25.04	-20.71	C 13
C 14	38 59.60	122 57.59	1796.0	79957.56	35.12	-26.14	-21.09	0.70	0.36	1.76	2.12	-24.72	-19.79	C 14
C 15	38 59.61	122 57.97	1660.0	79964.45	29.20	-27.41	-22.75	0.65	1.09	1.79	2.88	-25.19	-20.71	C 15
C 16	38 59.28	122 58.28	1758.0	79955.76	31.15	-29.15	-24.18	0.69	2.07	1.77	3.84	-25.99	-21.28	C 16
C 17	38 58.88	122 57.84	2055.0	79938.26	41.23	-28.86	-23.09	0.78	1.38	2.03	3.41	-26.23	-20.67	C 17
C 18	38 58.98	122 58.58	2289.0	79923.53	48.36	-29.71	-23.28	0.85	2.60	2.56	5.16	-25.41	-19.33	C 18
C 19	38 59.36	122 58.90	2495.0	79911.71	55.35	-29.75	-22.74	0.91	2.08	3.19	5.27	-25.38	-18.73	C 19
C 20	38 58.92	122 49.69	1381.0	79968.05	7.58	-39.52	-35.64	0.55	0.02	1.62	1.64	-38.44	-34.65	C 20
C 21	38 58.48	122 49.36	1420.0	79964.13	7.97	-40.46	-36.47	0.57	0.20	1.71	1.91	-39.11	-35.23	C 21
C 22	38 58.48	122 48.85	1401.0	79963.49	5.55	-42.24	-38.30	0.56	1.48	1.85	3.33	-39.46	-35.75	C 22
C 23	38 57.90	122 47.62	2493.0	79888.05	33.64	-51.38	-44.38	0.91	3.20	2.84	6.04	-46.26	-39.67	C 23
C 24	38 58.78	122 48.45	1805.0	79939.49	19.10	-42.46	-37.39	0.70	1.28	1.78	3.06	-40.10	-35.22	C 24
C 25	38 58.16	122 44.51	1389.0	79964.54	5.94	-41.43	-37.53	0.56	3.90	1.84	5.74	-36.25	-32.78	C 25
C 27	38 55.78	122 44.44	1868.0	79928.18	18.12	-45.59	-40.34	0.72	0.22	1.66	1.88	-44.43	-39.28	C 27
C 28	38 56.57	122 47.50	1789.0	79932.38	13.73	-47.29	-42.26	0.69	0.65	1.77	2.42	-45.56	-40.67	C 28

STATION	LATITUDE	LONGITUDE	ELEV	ORIG GRAV	F.A.	S.P.1	S.B.2	CC	TC	TER	TOT	C.B.1	C.B.2	STA
C 29	38 56.48	122 49.10	1659.0	79944.60	13.86	-42.72	-38.06	0.65	0.26	1.69	1.95	-41.42	-36.87	C 29
C 30	38 45.40	122 58.23	369.0	80027.11	-8.68	-21.26	-20.23	0.16	0.09	1.78	1.87	-19.55	-18.66	C 30
C 31	38 45.63	122 58.00	267.0	80034.26	-11.46	-20.57	-19.82	0.12	0.16	2.04	2.20	-18.48	-17.90	C 31
C 32	38 45.12	122 58.75	370.0	80027.72	-7.56	-20.18	-19.14	0.16	0.07	1.68	1.75	-18.59	-17.69	C 32
C 34	38 46.48	122 58.34	324.0	80033.39	-8.22	-19.27	-18.36	0.14	0.78	2.10	2.88	-16.53	-15.84	C 34
C 35	38 46.28	122 57.73	436.0	80027.07	-3.71	-18.58	-17.35	0.19	0.64	1.95	2.59	-16.17	-15.15	C 35
C 36	38 46.43	122 57.39	641.0	80014.27	2.55	-19.31	-17.51	0.27	1.33	1.79	3.12	-16.46	-14.90	C 36
C 37	38 46.81	122 57.08	841.0	80000.87	7.40	-21.28	-18.92	0.35	1.63	1.76	3.39	-18.24	-16.13	C 37
C 38	38 47.39	122 57.00	1576.0	79955.97	30.78	-22.98	-18.55	0.62	2.51	2.71	5.22	-18.38	-14.33	C 38
C 39	38 47.83	122 57.23	1949.0	79928.64	37.87	-28.60	-23.12	0.74	3.67	3.89	7.56	-21.79	-16.87	C 39
C 40	38 48.53	122 56.63	1296.0	79968.94	15.74	-28.46	-24.82	0.52	2.11	2.01	4.12	-24.87	-21.52	C 40
C 41	38 49.10	122 57.05	635.0	80011.66	-4.54	-26.20	-24.41	0.27	2.47	2.79	5.26	-21.21	-19.84	C 41
C 42	38 49.02	122 55.29	808.0	79998.29	-1.52	-29.08	-26.81	0.34	2.00	2.73	4.73	-24.69	-22.78	C 42
C 43	38 49.69	122 54.64	731.0	79998.07	-9.97	-34.90	-32.85	0.31	4.52	3.54	8.06	-27.15	-25.73	C 43
C 45	38 50.18	122 57.01	1792.0	79944.15	35.17	-25.95	-20.91	0.69	1.74	2.56	4.30	-22.35	-17.61	C 45
C 46	38 49.83	122 56.13	1787.0	79941.01	32.07	-28.87	-23.85	0.69	3.69	2.47	6.16	-23.41	-18.64	C 46
C 47	38 49.48	122 55.70	1715.0	79943.71	28.52	-29.97	-25.15	0.67	4.80	2.31	7.11	-23.53	-19.24	C 47
C 48	38 50.79	122 55.70	2060.0	79924.56	39.89	-30.37	-24.58	0.78	2.59	2.73	5.32	-25.84	-20.42	C 48
C 49	38 51.23	122 55.38	2429.0	79903.61	52.99	-29.86	-23.03	0.89	1.53	3.35	4.88	-25.87	-19.37	C 49
C 50	38 51.59	122 54.75	2951.0	79867.43	65.36	-35.29	-27.00	1.03	2.50	4.97	7.47	-28.65	-21.09	C 50
C 51	38 51.92	122 54.24	2438.0	79900.04	49.25	-33.90	-27.05	0.89	0.60	2.93	3.53	-31.26	-24.63	C 51
C 52	38 52.19	122 54.00	2250.0	79909.84	40.98	-35.76	-29.44	0.84	1.29	2.47	3.76	-32.84	-26.76	C 52
C 53	38 52.32	122 53.68	2327.0	79905.99	44.18	-35.19	-28.65	0.86	1.11	2.54	3.65	-32.40	-26.09	C 53
C 54	38 52.43	122 53.16	2570.0	79890.96	51.83	-35.82	-28.60	0.93	1.08	3.00	4.08	-32.67	-25.71	C 54
C 55	38 53.00	122 51.23	2347.0	79899.78	38.85	-41.20	-34.60	0.87	3.67	2.38	6.05	-36.02	-29.85	C 55
C 56	38 52.65	122 50.77	2445.0	79894.67	43.47	-39.92	-33.05	0.89	3.08	2.51	5.59	-35.23	-28.75	C 56
C 57	38 53.53	122 51.88	2127.0	79917.69	35.29	-37.25	-31.27	0.80	0.96	2.12	3.08	-34.97	-29.18	C 57
C 58	38 54.66	122 51.97	1679.0	79949.35	23.16	-34.10	-29.38	0.66	0.23	1.92	2.15	-32.60	-28.01	C 58
C 59	38 55.67	122 50.57	1495.0	79953.64	8.67	-42.32	-36.12	0.59	3.00	1.79	4.79	-38.13	-34.27	C 59
C 60	38 56.93	122 50.46	1470.0	79959.20	10.02	-40.11	-35.98	0.58	0.16	1.59	1.75	-38.94	-34.91	C 60
C 61	38 58.48	122 50.52	1421.0	79969.42	13.36	-35.11	-31.11	0.57	0.00	1.46	1.46	-34.21	-30.29	C 61
C 62	38 58.51	122 51.08	1424.0	79970.64	14.82	-33.75	-29.75	0.57	0.01	1.40	1.41	-32.91	-28.98	C 62
C 63	38 58.95	122 51.36	1435.0	79972.09	16.65	-32.29	-28.26	0.57	0.04	1.35	1.39	-31.47	-27.51	C 63
C 64	38 58.95	122 52.16	1371.0	79976.81	15.35	-31.41	-27.55	0.55	0.00	1.34	1.34	-30.62	-26.83	C 64
C 65	38 58.26	122 51.73	1402.0	79972.57	15.04	-32.77	-28.83	0.56	0.00	1.38	1.38	-31.95	-28.08	C 65
C 66	38 58.30	122 52.47	1385.0	79974.01	14.83	-32.41	-28.52	0.56	0.00	1.38	1.38	-31.59	-27.76	C 66
C 68	38 53.30	122 52.91	1391.0	79975.27	16.65	-30.79	-26.88	0.56	0.00	1.40	1.40	-29.95	-26.11	C 68
C 69	38 57.41	122 51.65	1478.0	79963.61	14.48	-35.93	-31.77	0.59	0.07	1.46	1.53	-34.98	-30.91	C 69
C 70	38 57.86	122 52.38	1416.0	79970.42	14.80	-33.50	-29.52	0.57	0.08	1.42	1.50	-32.57	-28.66	C 70
C 71	38 57.87	122 52.67	1402.0	79973.02	16.07	-31.75	-27.81	0.56	0.00	1.44	1.44	-30.87	-27.00	C 71
C 72	38 57.64	122 52.81	1408.0	79971.88	15.83	-32.19	-28.24	0.56	0.02	1.47	1.49	-31.26	-27.38	C 72
C 73	38 57.43	122 53.08	1418.0	79972.24	17.44	-30.92	-26.94	0.57	0.02	1.50	1.52	-29.97	-26.06	C 73
C 74	38 57.44	122 53.70	1407.0	79976.84	20.99	-27.00	-23.04	0.56	0.13	1.55	1.68	-25.88	-22.02	C 74
C 75	38 58.11	122 54.18	1411.0	79981.06	24.60	-23.52	-19.56	0.56	0.23	1.50	1.73	-22.36	-16.49	C 75
C 76	38 58.32	122 53.64	1388.0	79978.00	19.07	-26.27	-24.37	0.56	0.02	1.46	1.48	-27.35	-23.52	C 76
C 77	38 58.99	122 53.60	1377.0	79978.65	17.70	-29.26	-25.40	0.55	0.03	1.40	1.43	-28.39	-24.59	C 77
C 78	38 58.98	122 54.00	1399.0	79979.60	20.73	-26.98	-23.05	0.56	0.09	1.41	1.50	-26.04	-22.19	C 78
C 79	38 59.30	122 53.63	1367.0	79980.61	18.26	-28.36	-24.52	0.55	0.02	1.39	1.41	-27.50	-23.73	C 79
C 80	38 59.17	122 54.69	1459.0	79980.99	27.49	-22.27	-18.17	0.58	0.50	1.43	1.93	-20.93	-16.94	C 80
C 81	38 58.97	122 52.90	1374.0	79978.81	17.61	-29.26	-25.39	0.55	0.00	1.35	1.35	-28.46	-24.66	C 81

STATION	LATITUDE	LONGITUDE	ELEV	OBS GRAV	F.A.	S.B.1	S.B.2	CC	TC	TER	TOI	C.B.1	C.B.2	STA
C 82	38 59.19	122 52.89	1373.0	79979.42	17.80	-29.03	-25.17	0.55	0.00	1.33	1.33	-28.25	-24.45	C 82
C 83	38 59.35	122 49.12	1354.0	79968.15	4.51	-41.67	-37.87	0.54	0.28	1.72	2.00	-40.22	-36.53	C 83
C 84	38 59.80	122 49.11	1344.0	79971.46	6.22	-39.62	-35.85	0.54	0.21	1.64	1.85	-38.31	-34.64	C 84
C 85	38 59.80	122 49.68	1346.0	79971.00	5.94	-39.96	-36.18	0.54	0.02	1.52	1.54	-38.97	-35.27	C 85
C 86	38 59.80	122 50.24	1357.0	79972.93	8.91	-37.38	-33.56	0.55	0.00	1.41	1.41	-36.51	-32.77	C 86
C 87	38 57.40	122 50.82	1499.0	79959.66	12.52	-38.61	-34.39	0.60	0.02	1.49	1.51	-37.69	-33.55	C 87
C 88	38 57.81	122 50.24	1411.0	79966.68	10.66	-37.46	-33.50	0.56	0.04	1.57	1.61	-36.42	-32.54	C 88
C 89	38 53.87	122 50.73	2030.0	79922.67	30.65	-36.59	-32.88	0.77	1.06	2.02	3.08	-36.28	-30.76	C 89
C 90	38 54.50	122 50.48	1869.0	79928.39	20.31	-43.44	-38.19	0.72	1.16	1.89	3.05	-41.11	-36.05	C 90
C 91	38 55.13	122 52.58	1515.0	79962.30	20.00	-31.67	-27.41	0.60	0.45	1.91	2.36	-29.91	-25.80	C 91
C 92	38 56.00	122 52.72	1499.0	79967.58	22.50	-28.63	-24.41	0.60	0.09	1.69	1.78	-27.44	-23.33	C 92
C 93	38 56.36	122 53.06	1468.0	79969.97	21.44	-28.63	-24.50	0.58	0.11	1.65	1.76	-27.45	-23.42	C 93
C 94	38 56.80	122 53.37	1439.0	79972.22	20.32	-28.76	-24.72	0.57	0.03	1.60	1.63	-27.70	-23.75	C 94
C 95	38 56.43	122 52.43	1569.0	79961.56	22.43	-31.09	-26.68	0.62	0.04	1.58	1.62	-30.09	-25.76	C 95
C 96	38 56.36	122 51.93	1587.0	79957.34	20.00	-34.12	-29.66	0.63	0.04	1.57	1.61	-33.14	-28.76	C 96
C 97	38 56.53	122 51.28	1600.0	79952.39	16.03	-38.54	-34.05	0.63	0.12	1.56	1.68	-37.49	-33.08	C 97
C 98	38 57.53	122 49.03	1764.0	79939.59	17.18	-42.98	-38.03	0.68	0.68	1.69	2.37	-41.30	-36.48	C 98
C 99	38 58.03	122 49.64	1467.0	79960.76	9.68	-40.35	-36.23	0.58	0.04	1.64	1.68	-39.26	-35.22	C 99
C 100	38 57.25	122 49.50	1728.0	79941.66	16.28	-42.66	-37.80	0.67	1.01	1.64	2.65	-40.68	-35.99	C 100
C 101	38 57.12	122 50.65	1423.0	79961.79	7.91	-40.62	-36.62	0.57	0.20	1.66	1.86	-39.33	-35.43	C 101
C 102	38 56.33	122 47.12	1826.0	79929.74	14.92	-47.36	-42.22	0.71	0.55	1.75	2.30	-45.76	-40.76	C 102
C 103	38 55.55	122 46.70	2056.0	79912.10	20.06	-50.07	-44.29	0.78	0.20	1.80	2.00	-46.85	-43.17	C 103
C 104	38 55.16	122 46.41	2195.0	79903.15	24.75	-50.11	-43.94	0.82	0.18	1.89	2.07	-48.86	-42.79	C 104
C 105	38 54.62	122 45.89	2329.0	79893.09	28.08	-51.35	-44.80	0.86	0.18	2.03	2.21	-50.00	-43.56	C 105
C 106	38 54.93	122 45.18	2273.0	79896.67	25.94	-51.58	-45.19	0.84	0.53	1.95	2.48	-49.95	-43.70	C 106
C 107	38 56.21	122 45.30	1836.0	79929.03	15.33	-47.29	-42.13	0.71	0.25	1.69	1.94	-46.06	-41.00	C 107
C 108	38 56.44	122 45.62	1924.0	79923.88	18.12	-47.50	-42.10	0.74	0.27	1.69	1.96	-46.28	-40.97	C 108
C 109	38 56.59	122 46.41	1846.0	79927.33	14.01	-48.95	-43.76	0.71	0.70	1.74	2.44	-47.22	-42.18	C 109
C 110	38 56.44	122 46.71	1821.0	79928.23	12.78	-49.33	-44.21	0.70	0.63	1.74	2.37	-47.66	-42.68	C 110
C 111	38 56.04	122 48.60	1781.0	79931.17	12.55	-48.20	-43.19	0.69	0.31	1.72	2.03	-46.86	-41.96	C 111
C 112	38 55.49	122 48.22	1822.0	79927.41	13.45	-48.69	-43.57	0.70	0.94	1.79	2.73	-46.67	-41.71	C 112
C 113	38 55.08	122 47.97	2080.0	79909.47	20.37	-50.57	-44.72	0.79	0.89	1.86	2.75	-48.61	-42.92	C 113
C 114	38 53.14	122 47.06	2922.0	79855.35	48.28	-51.38	-43.17	1.02	0.43	3.21	3.64	-48.76	-40.77	C 114
C 116	38 51.36	122 45.53	2296.0	79895.11	31.79	-46.52	-40.06	0.85	0.73	2.34	3.07	-44.30	-38.03	C 116
C 118	38 51.09	122 45.32	2305.0	79894.71	32.63	-45.98	-39.50	0.85	1.11	2.41	3.52	-43.32	-37.06	C 118
C 119	38 50.67	122 45.60	2347.0	79894.15	36.64	-43.41	-36.81	0.87	0.63	2.50	3.13	-41.15	-34.74	C 119
C 120	38 50.40	122 45.97	2598.0	79879.91	46.40	-42.21	-34.91	0.94	0.31	2.63	2.94	-40.21	-33.07	C 120
C 121	38 51.48	122 45.12	2636.0	79871.24	39.71	-50.19	-42.78	0.95	0.92	2.49	3.41	-47.73	-40.52	C 121
C 122	38 53.81	122 46.70	2866.0	79855.92	42.60	-55.15	-47.10	1.01	0.42	3.09	3.51	-52.65	-44.81	C 122
C 123	38 53.68	122 46.18	2841.0	79857.09	41.61	-55.29	-47.31	1.00	0.59	2.97	3.56	-52.73	-44.96	C 123
C 124	38 53.81	122 45.58	2637.0	79869.01	34.16	-55.78	-48.37	0.95	1.19	2.49	3.68	-53.05	-45.86	C 124
C 125	38 54.48	122 45.76	2341.0	79891.71	28.04	-51.80	-45.23	0.86	0.35	2.04	2.39	-50.28	-43.83	C 125
C 126	38 55.56	122 43.16	1888.0	79928.39	20.54	-43.86	-38.55	0.73	0.17	1.61	1.78	-42.80	-37.58	C 126
C 127	38 54.36	122 40.21	2035.0	79922.05	29.78	-39.62	-33.91	0.77	0.39	1.65	2.04	-38.36	-32.75	C 127
C 128	38 54.47	122 39.08	1730.0	79941.30	20.19	-36.82	-33.95	0.67	0.43	1.32	1.75	-37.74	-32.97	C 128
C 129	38 54.61	122 38.11	1467.0	79960.73	14.68	-35.35	-31.23	0.58	0.20	1.19	1.39	-34.55	-30.49	C 129
C 130	38 54.61	122 36.68	1373.0	79968.00	13.11	-33.72	-29.86	0.55	0.13	1.10	1.23	-33.03	-29.23	C 130
C 131	38 54.85	122 36.41	1375.0	79966.46	11.41	-35.49	-31.63	0.55	0.03	1.07	1.10	-34.94	-31.12	C 131
C 132	38 55.57	122 36.65	1339.0	79970.21	10.71	-34.96	-31.19	0.54	0.16	1.07	1.23	-34.26	-30.56	C 132
C 133	38 56.08	122 37.50	1378.0	79970.15	13.57	-33.43	-29.55	0.55	0.07	1.06	1.13	-32.84	-29.02	C 133

STATION	LATITUDE	LONGITUDE	ELEV	ORS	GRAV	F.A.	S.B.1	S.B.2	CC	TC	TER	TOT	C.B.1	C.B.2	STA
C 134	38 56.74	122 37.82	1353.0	79972.77	12.87	-33.28	-29.47	0.54	0.04	1.06	1.10	-32.72	-28.96	C 134	
C 135	38 57.70	122 37.80	1358.0	79976.99	16.15	-30.17	-26.35	0.55	0.09	1.02	1.11	-29.60	-25.83	C 135	
C 136	38 58.10	122 39.72	1330.0	79982.49	18.43	-26.93	-23.20	0.54	0.19	1.09	1.28	-26.19	-22.51	C 136	
C 137	38 58.76	122 36.68	1410.0	79972.70	15.19	-32.90	-28.94	0.56	0.15	0.98	1.13	-32.33	-28.42	C 137	
C 138	38 55.43	122 39.63	1825.0	79937.47	23.88	-34.36	-33.23	0.71	0.90	1.33	2.23	-36.84	-31.83	C 138	
C 139	38 56.15	122 39.74	1860.0	79937.59	26.23	-37.20	-31.98	0.72	1.46	1.35	2.81	-35.11	-30.05	C 139	
C 140	38 53.03	122 46.65	2787.0	79863.44	43.84	-51.22	-43.39	0.99	0.37	2.78	3.15	-49.06	-41.40	C 140	
C 141	38 52.37	122 45.61	3132.0	79839.74	53.54	-53.28	-44.48	1.08	1.79	3.69	5.48	-48.87	-40.44	C 141	
C 142	38 51.62	122 43.07	2806.0	79858.22	42.18	-53.52	-45.64	0.99	0.76	2.84	3.60	-50.92	-43.25	C 142	
C 143	38 51.38	122 42.28	2793.0	79860.78	44.16	-51.10	-43.25	0.99	1.97	2.92	4.89	-47.20	-39.67	C 143	
C 144	38 51.8	122 41.93	2810.0	79859.24	43.59	-52.25	-44.35	0.99	1.89	2.99	4.88	-48.37	-40.79	C 144	
C 145	38 52.2	122 41.32	2476.0	79881.84	34.21	-50.24	-43.28	0.90	2.25	2.30	4.55	-46.59	-39.93	C 145	
C 146	38 53.57	122 42.23	2547.0	79880.90	37.94	-48.93	-41.78	0.92	0.48	2.43	2.91	-46.95	-39.96	C 146	
C 147	38 53.74	122 42.91	2581.0	79877.17	37.15	-50.88	-43.62	0.93	1.06	2.46	3.52	-48.29	-41.25	C 147	
C 148	38 52.60	122 40.99	2127.0	79910.43	29.40	-43.15	-37.17	0.80	1.04	1.90	2.94	-41.01	-35.21	C 148	
C 149	38 52.83	122 40.39	1997.0	79920.56	26.97	-41.15	-35.53	0.76	1.03	1.78	2.81	-39.09	-33.55	C 149	
C 150	38 53.47	122 39.89	1678.0	79942.75	18.22	-39.01	-34.30	0.66	1.63	1.59	3.22	-36.45	-31.95	C 150	
C 151	38 53.88	122 38.78	1512.0	79955.67	14.93	-36.64	-32.39	0.60	1.24	1.39	2.63	-34.62	-30.53	C 151	
C 152	38 56.95	122 39.33	1477.0	79967.54	18.99	-31.38	-27.23	0.59	0.68	1.08	1.76	-30.21	-26.15	C 152	
C 153	38 57.34	122 42.28	1868.0	79937.29	24.94	-38.77	-33.52	0.72	2.64	1.44	4.08	-35.41	-30.44	C 153	
C 154	38 58.68	122 44.54	1414.0	79963.75	6.73	-41.49	-37.52	0.57	4.16	1.76	5.92	-36.14	-32.61	C 154	
C 155	38 58.91	122 44.48	1465.0	79961.65	9.09	-40.87	-36.76	0.58	2.38	1.68	4.06	-37.40	-33.57	C 155	
C 156	38 59.79	122 46.91	1750.0	79944.85	17.80	-41.89	-36.97	0.68	4.69	1.69	6.38	-36.18	-31.74	C 156	
C 157	38 50.60	122 44.91	2344.0	79892.30	34.61	-45.33	-38.75	0.87	0.72	2.54	3.26	-42.94	-36.55	C 157	
C 158	38 50.14	122 44.62	2373.0	79891.30	37.01	-43.92	-37.25	0.87	1.12	2.68	3.80	-41.00	-34.57	C 158	
C 159	38 47.95	122 42.29	2243.0	79900.20	36.89	-39.61	-33.31	0.84	2.14	2.84	4.98	-35.47	-29.51	C 159	
C 160	38 47.63	122 42.06	2018.0	79915.32	31.34	-37.49	-31.82	0.77	1.59	2.89	4.48	-33.78	-28.41	C 160	
C 161	38 47.15	122 41.56	1610.0	79942.12	20.47	-34.44	-29.91	0.63	1.70	3.10	4.80	-30.27	-26.09	C 161	
C 162	38 46.91	122 41.08	1409.0	79954.69	14.50	-33.56	-29.60	0.56	1.60	3.10	4.70	-29.42	-25.80	C 162	
C 163	38 46.98	122 41.82	1752.0	79934.41	26.37	-33.39	-28.46	0.68	0.99	2.96	3.95	-30.12	-25.46	C 163	
C 167	38 46.16	122 44.14	3066.0	79849.53	66.25	-38.33	-29.71	1.06	1.52	4.57	6.09	-33.29	-25.09	C 167	
C 168	38 46.33	122 43.86	3202.0	79841.73	70.98	-38.23	-29.23	1.09	1.53	5.06	6.59	-32.72	-24.18	C 168	
C 169	38 46.73	122 40.79	1318.0	79961.59	13.10	-31.85	-28.15	0.53	1.68	3.06	4.74	-27.64	-24.28	C 169	
C 170	38 46.37	122 39.87	1201.0	79972.48	13.52	-27.44	-24.07	0.49	1.59	2.61	4.20	-23.73	-20.66	C 170	
C 171	38 45.55	122 38.42	1129.0	79981.32	16.79	-21.72	-18.54	0.46	0.25	1.99	2.24	-19.94	-16.92	C 171	
C 172	38 45.15	122 36.85	1105.0	79983.20	17.00	-20.69	-17.58	0.45	0.06	1.49	1.55	-19.59	-16.58	C 172	
C 173	38 46.32	122 37.36	1224.0	79977.11	20.38	-21.36	-17.92	0.50	0.57	1.54	2.11	-19.74	-16.44	C 173	
C 174	38 45.41	122 36.38	1092.0	79986.28	18.48	-18.77	-15.70	0.45	0.08	1.37	1.45	-17.77	-14.78	C 174	
C 175	38 45.79	122 35.89	1105.0	79984.89	17.75	-19.94	-16.83	0.45	0.09	1.27	1.36	-19.03	-16.00	C 175	
C 176	38 46.13	122 35.19	1044.0	79990.27	16.89	-18.71	-15.76	0.43	0.30	1.17	1.47	-17.67	-14.82	C 176	
C 177	38 46.42	122 34.97	996.0	79993.09	14.77	-19.20	-16.40	0.41	0.22	1.16	1.38	-18.22	-15.51	C 177	
C 178	38 47.04	122 34.07	963.0	79991.63	9.30	-23.54	-20.84	0.40	0.15	1.09	1.24	-22.70	-20.06	C 178	
C 179	38 46.72	122 33.13	953.0	79990.36	7.56	-24.94	-22.26	0.40	0.02	1.00	1.02	-24.32	-21.69	C 179	
C 180	38 46.30	122 31.71	941.0	79992.76	9.45	-22.65	-20.00	0.39	0.16	0.90	1.06	-21.97	-19.38	C 180	
C 181	38 46.12	122 31.15	936.0	79993.90	10.38	-21.54	-18.91	0.39	0.28	0.88	1.16	-20.77	-18.20	C 181	
C 182	38 46.36	122 30.98	957.0	79992.51	10.61	-22.03	-19.34	0.40	0.22	0.87	1.09	-21.33	-18.70	C 182	
C 183	38 46.65	122 30.13	1169.0	79979.68	17.30	-22.57	-19.29	0.48	0.15	0.82	0.97	-22.08	-18.83	C 183	
C 184	38 46.74	122 31.90	945.0	79991.31	7.73	-24.50	-21.85	0.39	0.13	0.94	1.07	-23.82	-21.22	C 184	
C 185	38 48.09	122 34.46	978.0	79990.15	7.69	-25.67	-22.92	0.40	0.12	1.23	1.35	-24.72	-22.05	C 185	
C 186	38 48.59	122 34.29	1017.0	79987.46	7.93	-26.75	-23.89	0.42	0.39	1.25	1.64	-25.53	-22.77	C 186	

STATION	LATITUDE	LONGITUDE	ELEV	OPS	GRAV	F.A.	S.H.1	S.H.2	CC	IC	TER	TOT	C.H.1	C.H.2	STA
C 187	38 49.17	122 33.90	1281.0	79971.01	15.46	-28.23	-24.63	0.52	1.07	1.06	2.13	-26.61	-23.15	C 187	
C 188	38 49.43	122 32.68	1682.0	79949.09	30.87	-26.50	-21.77	0.66	0.46	1.26	1.72	-25.44	-20.80	C 188	
C 189	38 49.58	122 32.57	1749.0	79944.97	32.83	-26.82	-21.91	0.68	0.36	1.35	1.71	-25.79	-20.96	C 189	
C 190	38 49.66	122 31.47	1682.0	79950.25	31.69	-25.68	-20.95	0.66	0.72	1.23	1.95	-24.39	-19.77	C 190	
C 191	38 49.94	122 32.46	1762.0	79943.48	32.03	-28.06	-23.11	0.68	0.41	1.34	1.75	-27.00	-22.14	C 191	
C 192	38 51.22	122 33.29	1740.0	79944.09	28.69	-30.65	-25.76	0.68	0.70	1.17	1.87	-29.46	-24.67	C 192	
C 193	38 51.65	122 34.12	1693.0	79947.79	27.34	-30.40	-25.64	0.66	0.32	1.10	1.42	-29.64	-24.94	C 193	
C 194	38 51.81	122 33.76	1556.0	79957.13	23.56	-29.51	-25.13	0.61	0.49	1.04	1.53	-28.59	-24.29	C 194	
C 195	38 52.12	122 33.88	1630.0	79953.28	26.22	-29.38	-24.79	0.64	0.34	1.06	1.40	-28.62	-24.10	C 195	
C 196	38 52.78	122 34.82	1429.0	79964.23	17.30	-31.44	-27.43	0.57	0.57	1.06	1.63	-30.38	-26.46	C 196	
C 197	38 53.13	122 35.62	1388.0	79966.19	14.89	-32.45	-28.55	0.56	0.10	1.10	1.20	-31.81	-27.96	C 197	
C 198	38 53.78	122 36.18	1376.0	79967.12	13.73	-33.20	-29.33	0.55	0.06	1.13	1.19	-32.56	-28.74	C 198	
C 199	38 54.51	122 35.62	1354.0	79969.98	13.45	-32.73	-28.92	0.54	0.14	1.07	1.21	-32.06	-28.31	C 199	
C 200	38 54.54	122 34.79	1386.0	79968.70	15.14	-32.13	-28.24	0.56	0.26	1.05	1.31	-31.38	-27.54	C 200	
C 201	38 54.05	122 33.96	1464.0	79964.09	18.58	-31.35	-27.24	0.58	0.79	1.05	1.84	-30.09	-26.08	C 201	
C 202	38 53.74	122 33.00	1592.0	79955.04	22.02	-32.27	-27.80	0.63	0.77	1.12	1.89	-31.01	-26.64	C 202	
C 203	38 53.37	122 32.12	1428.0	79965.11	17.22	-31.49	-27.48	0.57	0.85	1.24	2.09	-29.97	-26.08	C 203	
C 204	38 52.74	122 31.71	1372.0	79969.10	16.86	-29.93	-26.07	0.55	0.85	1.28	2.13	-28.35	-24.63	C 204	
C 205	38 53.11	122 31.00	1796.0	79941.56	26.65	-32.60	-27.55	0.70	1.27	1.26	2.53	-30.76	-25.87	C 205	
C 206	38 52.68	122 37.07	1446.0	79959.95	14.76	-34.56	-30.49	0.58	0.51	1.26	1.77	-33.36	-29.40	C 206	
C 207	38 50.64	122 35.73	1676.0	79946.60	26.04	-31.13	-26.42	0.66	0.76	1.23	1.99	-29.79	-25.19	C 207	
C 208	38 48.22	122 34.88	980.0	79989.76	7.30	-26.13	-23.37	0.41	0.20	1.32	1.52	-25.01	-22.35	C 208	
C 209	38 48.36	122 35.19	993.0	79989.34	7.89	-25.97	-23.18	0.41	0.26	1.39	1.65	-24.74	-22.05	C 209	
C 210	38 50.23	122 43.39	2894.5	79853.91	48.53	-50.20	-42.06	1.02	1.27	3.18	4.45	-46.76	-38.91	C 210	
C 211	38 50.58	122 43.37	3026.0	79846.09	52.55	-50.65	-42.15	1.05	0.98	3.46	4.44	-47.27	-39.04	C 211	
C 212	38 51.36	122 40.31	2175.0	79907.21	32.51	-41.67	-35.56	0.82	0.85	2.08	2.93	-39.56	-33.62	C 212	
C 213	38 52.40	122 40.24	2207.0	79906.67	33.46	-41.82	-35.62	0.82	0.25	1.98	2.23	-40.42	-34.33	C 213	
C 214	38 52.27	122 38.89	2297.0	79903.04	38.48	-39.86	-33.41	0.85	0.55	2.12	2.67	-38.04	-31.74	C 214	
C 215	38 58.52	122 39.07	1449.0	79972.35	18.86	-30.56	-26.49	0.58	0.48	1.01	1.49	-29.65	-25.65	C 215	
C 216	38 59.22	122 39.72	1537.0	79965.49	19.25	-33.17	-28.85	0.61	0.84	1.04	1.88	-31.91	-27.69	C 216	
C 217	38 58.64	122 40.98	1323.0	79982.01	16.50	-28.63	-24.91	0.53	0.50	1.17	1.67	-27.49	-23.87	C 217	
C 218	38 59.95	122 42.39	1323.0	79978.29	10.85	-34.27	-30.55	0.53	0.47	1.29	1.76	-33.05	-29.43	C 218	
C 219	38 59.96	122 40.27	1323.0	79976.28	8.83	-36.30	-32.58	0.53	1.18	1.14	2.32	-34.51	-30.94	C 219	
C 220	38 55.35	122 42.74	1919.0	79925.99	21.36	-44.09	-38.70	0.74	1.49	1.62	3.11	-41.72	-36.52	C 220	
C 221	38 54.96	122 41.58	1871.0	79929.17	20.60	-43.21	-37.96	0.72	0.71	1.54	2.25	-41.69	-36.56	C 221	
C 223	38 55.40	122 33.93	1323.0	79970.49	9.74	-35.38	-31.67	0.53	1.97	1.14	3.11	-32.81	-29.30	C 223	
C 224	38 59.29	122 36.03	1447.0	79964.65	9.84	-39.51	-35.44	0.58	0.23	0.97	1.20	-38.89	-34.87	C 224	
C 225	38 59.33	122 32.29	1006.0	79988.21	-8.13	-42.44	-39.61	0.42	0.59	1.36	1.95	-40.91	-38.21	C 225	
C 226	38 59.62	122 31.62	1060.0	79983.91	-7.78	-43.93	-40.95	0.44	0.96	1.27	2.23	-42.14	-39.31	C 226	
C 227	38 56.02	122 55.99	1576.0	79962.91	25.04	-28.71	-24.28	0.62	2.11	1.99	4.10	-25.23	-21.09	C 227	
C 228	38 56.28	122 56.41	1628.0	79960.93	27.57	-27.96	-23.38	0.64	3.04	1.91	4.95	-23.64	-19.42	C 228	
C 229	38 56.80	122 57.34	1796.0	79952.35	34.02	-27.23	-22.19	0.70	1.50	1.89	3.39	-24.54	-19.71	C 229	
C 230	38 56.32	122 58.29	2404.0	79918.65	58.20	-23.79	-17.04	0.88	0.61	2.97	3.58	-21.09	-14.56	C 230	
C 231	38 48.96	122 58.28	614.0	80014.95	-3.02	-23.96	-22.24	0.26	2.23	2.49	4.72	-19.51	-18.15	C 231	
C 232	38 49.64	122 53.36	971.0	79981.27	-4.12	-37.24	-34.51	0.40	3.73	3.13	6.86	-30.78	-28.58	C 232	
C 233	38 49.44	122 52.70	919.0	79982.20	-7.79	-39.13	-36.55	0.38	4.51	3.37	7.88	-31.63	-29.67	C 233	
C 234	38 49.01	122 51.88	1106.0	79958.94	-2.83	-40.55	-37.45	0.45	3.51	2.91	6.42	-34.59	-31.97	C 234	
C 235	38 48.44	122 50.92	1302.0	79955.28	2.78	-41.63	-37.97	0.53	4.10	2.79	6.89	-35.27	-32.13	C 235	
C 237	38 48.00	122 48.59	1484.0	79939.90	5.16	-45.45	-41.28	0.59	4.86	3.26	8.12	-37.93	-34.38	C 237	
C 238	38 47.58	122 49.88	2415.0	79889.81	43.23	-39.14	-32.35	0.89	2.54	3.14	5.68	-34.35	-27.95	C 238	

STATION	LATITUDE	LONGITUDE	ELEV	GRS GRAV	F.A.	S.B.1	S.B.2	CC	TC	TER	TOT	C.B.1	C.B.2	STA
C 239	38 45.54	122 49.28	2703.0	79872.96	54.99	-37.20	-29.61	0.97	2.61	4.14	6.95	-31.22	-24.11	C 239
C 240	38 45.89	122 48.54	2243.0	79901.70	41.43	-35.07	-28.77	0.84	2.69	2.96	5.65	-30.26	-24.35	C 240
C 241	38 45.18	122 49.52	2225.0	79910.40	49.48	-26.41	-20.16	0.83	2.83	3.47	6.30	-20.94	-15.14	C 241
C 242	38 39.42	122 47.58	193.0	80032.68	-10.89	-17.47	-16.93	0.08	0.28	1.69	1.97	-15.59	-15.20	C 242
C 243	38 40.61	122 48.32	214.0	80032.38	-10.96	-18.26	-17.66	0.09	0.56	2.01	2.57	-15.78	-15.39	C 243
C 244	38 41.76	122 47.06	574.0	80010.92	-0.25	-19.82	-18.21	0.25	1.39	2.27	3.66	-16.41	-15.08	C 244
C 246	38 42.03	122 45.87	959.0	79987.40	12.05	-20.66	-17.97	0.40	1.26	2.28	3.54	-17.52	-15.08	C 246
C 253	38 45.57	122 45.20	3133.0	79844.89	68.77	-38.09	-29.28	1.08	2.11	5.24	7.35	-31.61	-23.52	C 253
C 254	38 39.96	122 49.17	174.0	80030.11	-16.04	-21.97	-21.48	0.08	0.01	1.67	1.68	-20.37	-20.02	C 254
C 255	38 41.23	122 50.33	207.0	80028.59	-16.32	-23.38	-22.80	0.09	0.11	1.96	2.07	-21.40	-20.98	C 255
C 260	38 42.03	122 51.93	198.0	80030.75	-16.25	-23.00	-22.45	0.09	0.64	2.14	2.78	-20.31	-19.98	C 260
C 261	38 42.58	122 53.79	206.0	80033.15	-13.98	-21.01	-20.43	0.09	0.08	2.01	2.09	-19.01	-18.59	C 261
C 262	38 50.21	122 58.60	1549.0	79960.12	28.25	-24.59	-20.23	0.61	1.42	2.49	3.91	-21.29	-17.20	C 262
C 263	38 53.02	122 59.56	2924.0	79877.88	71.17	-28.56	-20.34	1.02	2.64	6.11	8.95	-20.63	-13.07	C 263
C 264	38 52.24	122 58.50	2583.0	79900.63	63.00	-25.09	-17.83	0.93	0.55	4.17	4.72	-21.31	-14.36	C 264
C 265	38 50.42	122 59.60	1424.0	79967.47	23.53	-25.04	-21.03	0.57	2.41	2.42	4.83	-20.77	-17.12	C 265
C 266	38 47.66	122 59.40	293.0	80034.61	-11.64	-21.64	-20.81	0.13	1.09	2.32	3.41	-18.35	-17.80	C 266
C 267	38 46.38	122 56.21	1107.0	79982.90	15.08	-22.67	-19.56	0.45	0.79	1.93	2.72	-20.41	-17.49	C 267
C 268	38 46.38	122 54.73	1228.0	79974.10	17.66	-24.22	-20.77	0.50	0.84	2.05	2.89	-21.83	-18.57	C 268
C 278	38 49.04	122 48.57	3155.0	79839.99	60.85	-46.76	-37.89	1.08	5.73	4.80	10.53	-37.31	-29.22	C 278
C 279	38 48.91	122 46.60	3522.0	79822.82	78.37	-41.75	-31.86	1.16	2.56	5.85	8.41	-34.51	-25.21	C 279
C 280	38 49.41	122 46.49	3357.0	79831.24	70.54	-43.95	-34.52	1.13	2.01	4.91	6.92	-36.16	-29.21	C 280
C 281	38 49.86	122 47.42	3289.0	79832.69	64.94	-47.24	-37.99	1.11	4.15	4.75	8.90	-39.45	-30.85	C 281
C 282	38 49.40	122 45.20	3151.0	79843.66	63.61	-43.86	-35.00	1.08	2.38	3.90	6.28	-38.66	-30.23	C 282
C 283	38 52.38	122 51.73	3291.0	79842.96	71.70	-40.55	-31.30	1.11	3.31	5.75	9.06	-32.60	-24.01	C 283
C 284	38 51.79	122 51.20	3662.0	79811.70	76.16	-48.72	-38.42	1.19	7.18	7.94	15.12	-34.79	-25.64	C 284
C 285	38 51.97	122 50.28	3250.0	79842.70	68.16	-42.66	-33.53	1.10	2.67	5.10	7.77	-36.00	-27.42	C 285
C 286	38 51.29	122 49.36	3261.0	79839.62	67.14	-44.08	-34.92	1.11	2.28	4.93	7.21	-37.98	-29.32	C 286
C 287	38 50.77	122 48.98	3170.0	79842.50	62.22	-45.89	-36.98	1.08	2.31	4.53	6.84	-40.14	-31.70	C 287
C 288	38 51.61	122 52.48	3321.0	79836.67	69.36	-43.91	-34.58	1.12	2.93	6.33	9.26	-35.77	-27.10	C 288
C 289	38 50.77	122 51.92	2650.0	79875.28	46.11	-44.27	-36.82	0.95	7.13	3.49	10.62	-34.60	-27.95	C 289
C 290	38 51.71	122 47.24	2240.0	79901.11	32.01	-44.39	-38.09	0.83	1.54	2.24	3.78	-41.44	-35.39	C 290
C 291	38 48.79	122 49.29	2254.0	79897.82	34.33	-42.55	-36.22	0.84	2.97	2.63	5.60	-37.79	-31.85	C 291
C 292	38 47.23	122 46.91	1857.0	79919.14	20.60	-42.73	-37.51	0.72	3.63	3.13	6.76	-36.69	-31.97	C 292
C 302	38 38.97	122 43.44	310.0	80027.96	-3.95	-14.52	-13.65	0.14	0.36	1.84	2.20	-12.45	-11.75	C 302
C 303	38 38.31	122 46.13	270.0	80023.20	-11.50	-20.71	-19.95	0.12	0.28	1.39	1.67	-19.15	-18.52	C 303
C 306	38 38.67	122 52.15	184.0	80037.86	-5.46	-11.73	-11.22	0.08	0.04	1.29	1.33	-10.48	-10.07	C 306
C 318	38 37.63	122 40.63	490.0	80014.26	1.25	-15.46	-14.09	0.21	0.06	1.70	1.76	-13.91	-12.66	C 318
C 323	38 37.53	122 35.95	1063.0	79972.62	13.65	-22.61	-19.62	0.44	1.99	1.96	3.95	-19.09	-16.40	C 323
C 324	38 38.49	122 35.53	1678.0	79936.12	33.58	-23.66	-18.94	0.66	2.84	2.25	5.09	-19.22	-14.87	C 324
C 325	38 38.97	122 35.78	2205.0	79901.16	47.47	-27.74	-21.54	0.82	1.86	3.24	5.10	-23.46	-17.61	C 325
C 326	38 40.06	122 35.88	1722.0	79930.04	29.33	-29.40	-24.56	0.67	4.53	2.08	6.61	-23.46	-19.11	C 326
C 327	38 42.19	122 36.20	1270.0	79969.35	23.01	-20.31	-16.74	0.51	1.09	2.04	3.13	-17.69	-14.33	C 327
C 328	38 43.38	122 37.02	1214.0	79974.97	21.62	-19.79	-16.38	0.49	0.53	1.80	2.33	-17.95	-14.69	C 328
C 329	38 48.29	122 36.83	1040.0	79983.66	6.74	-28.73	-25.81	0.43	0.76	1.82	2.58	-26.58	-23.84	C 329
C 330	38 49.73	122 38.08	1200.0	79968.10	4.11	-36.82	-33.45	0.49	2.57	2.29	4.86	-32.45	-29.44	C 330
C 331	38 43.31	122 32.52	1100.0	79981.89	17.92	-19.60	-16.51	0.45	0.23	1.22	1.45	-18.60	-15.59	C 331
C 332	38 42.40	122 31.78	1347.0	79967.30	27.89	-18.05	-14.26	0.54	1.06	1.19	2.25	-16.34	-12.70	C 332
C 333	38 41.08	122 31.12	1976.0	79928.08	49.76	-17.63	-12.08	0.75	2.01	2.15	4.16	-14.23	-8.96	C 333
C 334	38 44.50	122 34.23	1098.0	79981.56	15.65	-21.79	-18.71	0.45	0.09	1.16	1.25	-21.00	-17.98	C 334

STATION	LATITUDE	LONGITUDE	ELEV	GRS GRAV	F.A.	S.B.1	S.P.2	CC	TC	TER	TUT	C.B.1	C.B.2	STA
C 355	38 44.32	122 30.88	989.0	79985.10	9.21	-24.52	-21.74	0.41	0.44	0.90	1.34	-23.59	-20.89	C 355
C 418	38 39.14	122 40.01	1278.0	79962.13	21.02	-22.57	-18.98	0.52	2.30	2.22	4.52	-18.57	-15.31	C 418
C 419	38 40.54	122 39.34	2302.0	79894.97	48.10	-30.42	-23.95	0.85	3.20	3.89	7.09	-24.18	-18.22	C 419
C 420	38 41.87	122 38.91	2450.0	79888.55	53.64	-29.92	-23.03	0.90	1.05	3.70	4.75	-26.07	-19.50	C 420
C 421	38 42.78	122 38.76	2456.0	79892.92	57.24	-26.53	-19.62	0.90	3.51	3.55	7.06	-20.36	-13.96	C 421
C 422	38 43.14	122 37.53	1475.0	79957.50	29.05	-21.26	-17.12	0.59	1.23	1.77	3.00	-18.85	-14.90	C 422
C 423	38 44.93	122 38.02	1123.0	79982.05	17.86	-20.44	-17.28	0.46	0.09	1.85	1.94	-18.95	-15.92	C 423
C 424	38 44.28	122 38.47	1158.0	79979.34	19.40	-20.10	-16.84	0.47	0.49	2.09	2.58	-17.99	-14.91	C 424
C 434	38 39.28	122 30.06	1183.0	79976.99	26.74	-13.61	-10.29	0.48	1.79	1.44	3.23	-10.86	-7.77	C 434
C 435	38 40.18	122 31.02	1012.0	79985.38	17.72	-16.79	-13.95	0.42	3.90	1.73	5.63	-11.58	-9.16	C 435
C 436	38 38.94	122 31.65	2206.0	79904.89	51.34	-23.90	-17.70	0.82	0.84	2.89	3.73	-21.00	-15.04	C 436
C 714	38 38.97	122 54.57	143.0	80045.06	-2.55	-7.43	-7.03	0.06	0.11	1.46	1.57	-5.92	-5.64	C 714
C 715	38 40.53	122 56.14	169.0	80044.58	-2.88	-8.64	-8.16	0.07	0.14	1.57	1.71	-7.00	-6.66	C 715
C 222	38 55.50	122 35.87	1390.0	79966.60	12.00	-35.41	-31.50	0.56	0.01	1.02	1.03	-34.93	-31.06	C 222
C 800	38 39.30	122 57.31	266.0	80039.01	2.48	-6.59	-5.84	0.12	1.37	1.60	2.97	-3.74	-3.23	C 800
C 801	38 42.07	122 57.07	194.0	80039.05	-8.31	-14.93	-14.38	0.09	0.25	1.62	1.87	-13.15	-12.75	C 801
C 802	38 43.22	122 59.84	212.0	80036.73	-10.63	-17.86	-17.26	0.09	1.35	1.83	3.18	-14.77	-14.43	C 802
C 823	38 58.87	122 30.15	945.0	79990.52	-10.88	-43.11	-40.46	0.39	1.21	1.61	2.82	-40.68	-38.23	C 823
C 845	38 37.53	122 45.56	459.0	80009.68	-6.10	-21.76	-20.47	0.20	0.43	1.16	1.59	-20.36	-19.19	C 845
C 846	38 39.65	122 44.22	281.0	80028.81	-6.82	-16.41	-15.62	0.12	0.95	2.04	2.99	-13.54	-12.99	C 846
C 847	38 41.17	122 43.64	843.0	79990.46	5.46	-23.29	-20.92	0.35	2.45	2.28	4.73	-18.92	-16.91	C 847
C 862	38 40.41	122 58.72	1042.0	79993.08	27.91	-7.63	-4.70	0.43	2.68	1.94	4.62	-3.43	-0.85	C 862
C 885	38 44.42	122 41.76	2652.0	79877.51	57.85	-32.60	-25.14	0.95	1.87	3.88	5.75	-27.80	-20.74	C 885
C 897	38 42.93	122 55.07	233.0	80034.81	-10.15	-18.09	-17.44	0.10	0.17	1.79	1.96	-16.24	-15.74	C 897
C 902	38 44.92	122 57.62	294.0	80031.51	-10.63	-20.66	-19.83	0.13	0.25	1.85	2.10	-18.69	-18.02	C 902
C 903	38 39.49	122 52.25	185.0	80037.13	-7.30	-13.61	-13.09	0.08	0.03	1.37	1.40	-12.26	-11.87	C 903
C 921	38 38.41	122 41.49	408.0	80019.79	-2.08	-15.99	-14.85	0.18	0.20	1.92	2.12	-14.05	-13.06	C 921
E1064	38 42.75	122 58.51	201.1	80038.00	-9.69	-16.55	-15.99	0.09	0.31	1.70	2.01	-14.63	-14.22	E1064
CL1	39 1.22	122 38.84	1358.0	79974.28	8.26	-38.05	-34.24	0.55	1.12	1.19	2.31	-36.28	-32.61	CL1
CL2	39 1.68	122 39.83	1348.0	79976.27	8.64	-37.34	-33.55	0.54	1.12	1.30	2.42	-35.46	-31.83	CL2
CL3	39 1.27	122 42.49	1332.0	79978.22	9.69	-35.74	-32.00	0.54	1.74	1.37	3.11	-33.17	-29.64	CL3
CL4	39 0.63	122 45.11	1393.0	79972.78	10.92	-36.59	-32.67	0.56	0.27	1.59	1.86	-35.29	-31.48	CL4
CL5	39 1.15	122 45.21	1406.0	79972.76	11.36	-36.59	-32.64	0.56	0.13	1.52	1.65	-35.50	-31.64	CL5
CL6	39 0.28	122 45.64	1502.0	79961.09	10.09	-41.23	-37.01	0.60	2.15	1.59	3.74	-38.08	-34.12	CL6
CL7	39 0.48	122 48.79	1333.0	79973.50	6.22	-39.24	-35.50	0.54	0.97	1.55	2.52	-37.26	-33.68	CL7
CL8	39 0.67	122 49.68	1343.0	79971.91	5.29	-40.51	-36.74	0.54	0.01	1.39	1.40	-39.65	-35.95	CL8
CL9	39 0.02	122 49.67	1343.0	79971.65	5.99	-39.82	-36.04	0.54	0.02	1.48	1.50	-38.85	-35.16	CL9
CL10	39 0.26	122 51.91	1346.0	79983.86	18.13	-27.78	-24.00	0.54	0.00	1.28	1.28	-27.04	-23.32	CL10
CL11	39 0.24	122 50.60	1352.0	79976.50	11.36	-34.75	-30.95	0.54	0.00	1.32	1.32	-33.98	-30.24	CL11
CL12	39 0.69	122 50.60	1348.0	79976.11	9.93	-36.04	-32.75	0.54	0.00	1.30	1.30	-35.29	-31.56	CL12
CL13	39 0.91	122 51.35	1339.0	79978.93	11.58	-34.09	-30.32	0.54	0.00	1.27	1.27	-33.35	-29.65	CL13
CL14	39 0.91	122 52.48	1338.0	79983.71	16.27	-29.37	-25.61	0.54	0.00	1.27	1.27	-28.63	-24.93	CL14
CL15	39 0.69	122 52.48	1341.0	79983.41	16.58	-29.16	-25.39	0.54	0.00	1.28	1.28	-28.43	-24.72	CL15
CL16	39 0.91	122 52.76	1339.0	79983.99	16.64	-29.03	-25.26	0.54	0.00	1.27	1.27	-28.29	-24.59	CL16
CL17	39 0.69	122 53.60	1340.0	79983.30	16.37	-29.33	-25.57	0.54	0.00	1.30	1.30	-28.57	-24.87	CL17
CL18	39 0.82	122 54.68	1513.0	79975.19	24.34	-27.26	-23.01	0.60	0.67	1.36	2.03	-25.83	-21.70	CL18
CL19	39 2.59	122 54.87	1340.0	79987.64	17.92	-27.79	-24.02	0.54	0.03	1.36	1.39	-26.93	-23.24	CL19
CL20	39 0.22	122 53.03	1352.0	79982.25	17.14	-28.97	-25.17	0.54	0.00	1.30	1.30	-28.22	-24.48	CL20
CL21	39 3.69	122 56.08	1493.0	79983.85	26.90	-24.03	-19.83	0.59	0.04	1.41	1.45	-23.16	-19.04	CL21
CL22	39 4.20	122 56.92	1433.0	79990.03	26.68	-22.19	-18.16	0.57	0.02	1.50	1.52	-21.24	-17.29	CL22

STATION	LATITUDE	LONGITUDE	ELEV	DES GRAV	F.A.	S.B.1	S.B.2	CC	TC	TER	TOT	C.B.1	C.B.2	STA
CL23	39 5.04	122 56.92	1411.0	79990.20	23.55	-24.57	-20.61	0.56	0.02	1.51	1.53	-23.61	-19.73	CL23
CL24	39 5.69	122 57.81	1400.0	79991.74	23.10	-24.65	-20.72	0.56	0.12	1.66	1.78	-23.43	-19.60	CL24
CL25	39 6.30	122 58.20	1389.0	79991.39	20.82	-26.56	-22.65	0.56	0.42	1.74	2.16	-24.96	-21.18	CL25
CL26	39 6.95	122 59.10	1380.0	79989.40	17.02	-30.04	-26.16	0.55	2.93	1.98	4.91	-25.69	-22.17	CL26
CL36	39 0.23	122 43.29	1323.0	79978.68	10.83	-34.29	-30.56	0.53	0.28	1.42	1.70	-33.13	-29.50	CL36
CL37	39 0.52	122 36.91	1656.0	79958.67	21.71	-34.77	-30.12	0.65	0.34	1.02	1.36	-34.06	-29.46	CL37
CL38	39 1.02	122 34.17	1124.0	79980.19	-7.54	-45.87	-42.71	0.46	0.64	1.19	1.83	-44.51	-41.46	CL38
CL39	39 0.19	122 30.70	1178.0	79976.05	-5.38	-45.56	-42.25	0.48	1.49	1.18	2.67	-43.37	-40.24	CL39
CL40	39 3.50	122 35.42	1184.0	79980.60	-5.13	-45.52	-42.19	0.46	0.37	1.51	1.88	-44.12	-40.91	CL40
CL41	39 4.09	122 36.09	1183.0	79983.74	-2.95	-43.30	-39.98	0.48	1.49	1.72	3.21	-40.57	-37.47	CL41
CL42	39 3.62	122 38.00	1230.0	79983.14	1.12	-40.84	-37.38	0.50	2.07	1.72	3.79	-37.55	-34.36	CL42
CL43	39 4.08	122 39.15	1277.0	79979.55	0.83	-42.73	-39.14	0.52	2.85	2.10	4.95	-38.30	-35.07	CL43
CL44	39 6.74	122 42.36	1372.0	79975.27	2.45	-44.34	-40.49	0.55	2.28	3.88	6.16	-39.73	-35.34	CL44
CL45	39 5.67	122 40.72	1334.0	79976.58	1.76	-43.74	-39.99	0.54	3.00	2.75	5.75	-38.52	-35.21	CL45
CL46	39 3.92	122 37.34	1214.0	79982.96	-0.57	-41.97	-38.56	0.49	2.46	1.67	4.13	-38.34	-35.23	CL46
CL47	39 1.55	122 35.06	1237.0	79974.36	-3.53	-45.72	-42.25	0.50	0.80	1.15	1.95	-44.28	-40.92	CL47
CL48	39 2.45	122 40.62	1777.0	79951.81	23.39	-37.22	-32.23	0.69	0.23	1.25	1.48	-36.43	-31.50	CL48
CL49	39 2.90	122 40.82	1728.0	79954.20	20.51	-38.43	-33.57	0.67	0.15	1.28	1.43	-37.67	-32.87	CL49
CL50	39 2.91	122 41.47	1748.0	79953.61	21.78	-37.83	-32.92	0.68	0.11	1.33	1.44	-37.07	-32.22	CL50
CL51	39 2.91	122 42.20	1779.0	79951.86	22.95	-37.73	-32.73	0.69	0.20	1.41	1.61	-36.81	-31.89	CL51
CL52	39 3.32	122 42.20	1832.0	79949.64	25.11	-37.37	-32.23	0.71	0.64	1.48	2.12	-35.96	-30.93	CL52
CL53	39 1.28	122 41.29	1350.0	79976.03	9.17	-36.87	-33.08	0.54	2.23	1.28	3.51	-33.91	-30.36	CL53
CL54	39 1.66	122 44.09	1323.0	79980.34	10.39	-34.74	-31.02	0.53	1.45	1.58	3.03	-32.24	-28.73	CL54
CL55	39 2.36	122 45.89	1394.0	79977.96	13.65	-33.89	-29.97	0.56	1.42	1.63	3.05	-31.40	-27.69	CL55
CL57	39 5.13	122 47.41	1331.0	79980.78	6.47	-39.92	-35.18	0.54	0.66	2.60	3.26	-36.19	-32.68	CL57
CL58	39 5.41	122 47.68	1332.0	79981.16	6.54	-38.89	-35.15	0.54	0.55	2.71	3.26	-36.17	-32.65	CL58
CL59	39 6.74	122 49.15	1336.0	79985.12	8.92	-36.65	-32.90	0.54	1.89	3.00	4.89	-32.30	-28.90	CL59
CL60	39 7.28	122 50.52	1323.0	79985.88	7.66	-37.47	-33.75	0.53	1.23	2.64	3.87	-34.13	-30.69	CL60
CL61	39 7.42	122 52.21	1331.0	79981.97	4.29	-41.10	-37.36	0.54	0.02	1.97	1.99	-39.64	-36.02	CL61
CL64	39 6.50	122 54.29	1339.0	79984.16	8.59	-37.08	-33.32	0.54	0.05	1.50	1.55	-36.07	-32.39	CL64
CL65	39 4.98	122 54.18	1330.0	79990.46	16.28	-29.08	-25.34	0.54	0.20	1.36	1.56	-28.05	-24.40	CL65
CL66	39 4.35	122 54.81	1329.0	79990.41	17.06	-28.26	-24.53	0.54	0.07	1.36	1.43	-27.37	-23.71	CL66
CL67	39 2.41	122 58.72	1520.0	79976.01	23.48	-28.36	-24.09	0.60	1.59	1.88	3.47	-25.50	-21.46	CL67
CL68	39 5.19	122 55.49	1462.0	79984.03	21.95	-27.91	-23.80	0.58	0.03	1.36	1.39	-27.10	-23.06	CL68
CL69	39 7.06	122 54.10	1340.0	79982.81	6.51	-39.19	-35.43	0.54	0.02	1.58	1.60	-38.13	-34.45	CL69
CL80	39 6.93	122 48.66	1765.0	79955.36	19.22	-40.98	-36.02	0.69	3.30	2.68	5.98	-35.69	-31.16	CL80
CL81	39 6.99	122 47.52	2608.0	79901.26	44.31	-44.64	-37.31	0.94	3.00	3.05	6.05	-39.53	-32.62	CL81
CL84	39 7.20	122 52.63	1327.0	79980.79	3.06	-42.20	-38.47	0.53	0.02	1.78	1.80	-40.93	-37.31	CL84
CL89	39 6.21	122 32.45	1341.0	79975.56	0.60	-45.13	-41.36	0.54	0.92	1.81	2.73	-42.94	-39.35	CL89
G439	39 1.62	122 34.03	1120.0	79982.86	-6.13	-44.33	-41.18	0.46	0.84	1.25	2.09	-42.69	-39.68	G439
G440	39 2.60	122 32.50	1238.0	79972.27	-7.06	-49.29	-45.81	0.50	2.11	1.28	3.39	-46.40	-43.16	G440
G441	39 3.64	122 31.54	1450.0	79969.20	8.28	-41.18	-37.10	0.58	1.32	1.36	2.68	-39.07	-35.17	G441
G442	39 3.77	122 32.60	2375.0	79903.94	29.81	-51.20	-44.52	0.87	6.14	2.19	8.33	-43.74	-37.68	G442
G443	39 5.91	122 36.88	1295.0	79975.42	-3.42	-47.59	-43.95	0.52	3.17	2.52	5.69	-42.42	-39.21	G443
UB31	39 7.37	122 51.22	1337.0	79984.70	7.66	-37.94	-34.18	0.54	0.58	2.33	2.91	-35.57	-32.01	UB31