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# GRAVITY DATA FOR 525 STATIONS IN LONG VALLEY AND VICINITY, CALIFORNIA

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Geological Survey
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Gravity data from three independent surveys totalling 525 stations in Long Valley, California and vicinity have been normalized to a common datum and similarly reduced. The area of the surveys is determined by parallels 37°30'N and 38°N and meridians 118°30'W and 119°15'W.

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Gravity data for 525 stations in

Long Valley and vicinity, California

by H. W. Oliver, S. L. Robbins,

L. C. Pakiser, and M. F. Kane

USGS - GD - 74-011

Contents

# Gravity data for 525 stations in Long Valley and vicinity, California

## Introduction

In view of the current interest in geothermal exploration of the Long Valley area, all gravity data that have been obtained by the U.S. Geological Survey within the area determined by parallels 37°30'N and 38°N and meridians 118°30'W and 119°15'W have been normalized to a common datum and similarly reduced. These data are intended to supplement the gravity maps of Long Valley and vicinity (Pakiser and others, 1964, pl. 1) and the Long Valley portion of the Mariposa 1°x2° quadrangle (Oliver and others, 1973). The data should be regarded as preliminary as they have not yet been thoroughly checked for possible errors, particularly in card punching.

The data are divided into three tables according to sources as follows:

Table 1. Regional data obtained by S. L. Robbins and others--63 stations

2. Data from the southern Sierra Nevada (Oliver, 1974)--50 stations

3. Detailed data in Long Valley (Pakiser and others, 1964, pl. 1)--412 stations

For each of the tables the format, gravity datum, reduction procedure, and methods of making terrain corrections are described briefly below.

## Table 1. Regional data obtained by Robbins and others (p. 3-4)

This set of 63 stations was obtained by S. L. Robbins and others during 1969 and 1970. The observed gravity values were obtained with LaCoste and Romberg G meters and are relative to Chapman's (1966, p. 27) base at Casa Diablo (#225) and Bishop (#226). The reduction formulae are the same as those used in tables 2 and 3 (this report) and have been described previously by Oliver (1974, p. 3-5). The terrain corrections were manually obtained to a distance of 2.29 km from each station and extended to 166.7 km using 1x1 minute and 3x3 minute digitization (Robbins and others, 1973) and Plouff's (1966) computer program.

Table 2. Data from the southern Sierra Nevada
(Oliver, 1974) (p. 5)

This set of 50 stations is part of a regional survey of the southern Sierra Nevada. The gravity meters, reduction formulae, and accuracies of these data have been described by Oliver (1974). The elevations (Elev) in the table are in feet and the observed gravity values (OBSV-GRAV) are in mgal.

The gravity datum is essentially the same as Chapman's (1966) base station network in the vicinity of Long Valley within the accuracy of the data (±.2 mgal). For example, the southern Sierra value at Station 152 located at Bishop is 979462.2 mgal (Oliver, 1974) as opposed to Chapman's (1966) value at the same location of 979462.24 mgal (Chapman #226).

The terrain corrections were all made by manual methods and are accurate to about 5% of the terrain correction.

Table 3. Detailed data in Long Valley
(Pakiser and others, 1964, pl. 1) (p. 6-19)

The data in this table have been described by Pakiser and others (1964) and are the control for their gravity map of the Long Valley area (their plate 1). Since that publication, the base stations described by Pakiser and others (1964, p. 23) have been reoccupied by several LaCoste and Romberg meters and tied to the U.S. Geological Survey's prime base station A in Menlo Park. The ties indicate that the Independence pendulum datum (Duerksen, 1949, p. 36, sta. 1030) used by Pakiser and others is too high by .71 mgal and this correction has been subtracted from Pakiser and others' published observed gravity values and the data rerun through reduction programs in current use (Oliver, 1974).

In table 3 (this report), the data are arranged first by general area, then by gravity meters, and finally by numerical order of individual gravity stations for each meter and base station. Most of the stations in this set have a prefix of LV for Long Valley. Two other prefixes found on the last page of the table are NO, indicating the station is from a Northern Owens Valley set, and MB, indicating Mono Basin. The headings in the table are the same as those in table 2.

Table 1. Regional data obtained by S. L. Robbins and others in the vicinity of Long Valley, California for the Mariposa 1°x2° quadrangle (Oliver and others, 1973)

| STATION NUMBER | LATITUDE (DEG) | LATITUDE (MIN) | LONGITUDE (DEG) | LONGITUDE (MIN) | ELEVATION (FEET) | OBSERVED GRAVITY (MGAL) | FREE AIR ANOMALY (MGAL) | TERRAIN CORRECTION (MGAL) | BOUGUER ANOMALY (MGAL) ρ=2.67 |
|---|---|---|---|---|---|---|---|---|---|
| MA57 | 37 | 38.22 | 119 | 8.03 | 10529.0 | 979088.32 | 105.61 | 24.53 | -230.03 |
| MA58 | 37 | 40.54 | 119 | 7.27 | 10189.0 | 979122.85 | 104.83 | 13.44 | -230.38 |
| MA59 | 37 | 48.50 | 119 | 9.70 | 12627.0 | 978962.24 | 161.59 | 51.32 | -218.16 |
| MA132 | 37 | 40.05 | 119 | 11.60 | 10348.0 | 979114.67 | 112.30 | 12.43 | -229.31 |
| MA133 | 37 | 33.90 | 119 | 7.43 | 8866.0 | 979194.18 | 61.54 | 18.98 | -223.25 |
| MA134 | 37 | 32.60 | 119 | 5.68 | 7146.0 | 979297.52 | 5.16 | 11.78 | -228.30 |
| MA135 | 37 | 33.12 | 119 | 0.18 | 10510.0 | 979086.64 | 109.56 | 16.39 | -233.57 |
| MA144 | 37 | 31.70 | 119 | 10.74 | 5895.0 | 979376.96 | -31.65 | 15.61 | -218.59 |
| MA185 | 37 | 46.64 | 118 | 58.35 | 7965.0 | 979274.79 | 40.85 | 2.42 | -230.54 |
| MA186 | 37 | 49.97 | 119 | 0.62 | 8571.0 | 979230.55 | 46.81 | 8.28 | -238.65 |
| MA187 | 37 | 51.80 | 119 | 2.94 | 7338.0 | 979319.76 | 17.52 | 4.44 | -229.82 |
| MA188 | 37 | 53.07 | 119 | 2.50 | 7003.0 | 979340.02 | 4.44 | 3.03 | -232.80 |
| MA189 | 37 | 57.90 | 119 | 9.78 | 9142.0 | 979227.24 | 98.29 | 12.82 | -211.73 |
| MA190 | 37 | 52.79 | 118 | 59.10 | 7536.0 | 979307.18 | 22.09 | 3.32 | -233.12 |
| MA191 | 37 | 50.73 | 118 | 58.91 | 7957.0 | 979284.92 | 42.40 | 2.41 | -228.05 |
| MA192 | 37 | 49.17 | 118 | 53.83 | 8568.5 | 979239.94 | 57.14 | 3.33 | -233.18 |
| MA193 | 37 | 49.84 | 118 | 50.84 | 8836.0 | 979229.41 | 70.76 | 3.57 | -228.42 |
| MA194 | 37 | 46.97 | 118 | 50.59 | 8827.0 | 979217.42 | 62.11 | 6.65 | -233.68 |
| MA195 | 37 | 48.23 | 118 | 46.87 | 8686.0 | 979228.25 | 57.86 | 5.56 | -234.23 |
| MA196 | 37 | 52.20 | 118 | 51.60 | 8341.0 | 979276.30 | 67.71 | 2.75 | -215.46 |
| MA197 | 37 | 54.86 | 118 | 47.86 | 7315.0 | 979340.47 | 31.60 | 2.23 | -217.17 |
| MA198 | 37 | 54.64 | 118 | 50.64 | 7812.0 | 979311.61 | 49.76 | 2.16 | -216.01 |
| MA199 | 37 | 57.45 | 118 | 49.47 | 8554.0 | 979269.27 | 73.04 | 4.60 | -215.52 |
| MA231 | 37 | 36.86 | 118 | 31.64 | 6938.0 | 979349.32 | 31.22 | 5.71 | -201.22 |
| MA235 | 37 | 41.65 | 118 | 30.66 | 6046.0 | 979402.61 | -6.09 | 3.94 | -209.85 |
| MA236 | 37 | 42.77 | 118 | 31.94 | 6542.0 | 979379.28 | 15.37 | 4.13 | -205.14 |
| MA237 | 37 | 44.75 | 118 | 30.14 | 5861.0 | 979422.89 | -7.91 | 3.77 | -205.53 |
| MA238 | 37 | 45.76 | 118 | 32.82 | 7150.0 | 979343.58 | 32.46 | 5.88 | -207.03 |
| MA239 | 37 | 46.79 | 118 | 31.02 | 5738.0 | 979429.94 | -15.38 | 3.90 | -208.66 |
| MA240 | 37 | 45.31 | 118 | 35.58 | 6906.6 | 979353.44 | 20.10 | 4.58 | -212.40 |
| MA241 | 37 | 49.37 | 118 | 30.73 | 5596.9 | 979434.04 | -28.30 | 3.41 | -217.25 |
| MA243 | 37 | 53.95 | 118 | 39.48 | 6649.5 | 979377.71 | 7.64 | 1.32 | -219.34 |
| MA244 | 37 | 56.31 | 118 | 36.69 | 6487.0 | 979392.97 | 4.18 | 1.36 | -217.22 |
| MA245 | 37 | 58.46 | 118 | 35.87 | 6598.0 | 979386.29 | 4.80 | 1.99 | -219.76 |
| MA246 | 37 | 57.88 | 118 | 32.84 | 7114.0 | 979357.25 | 25.09 | 2.16 | -216.90 |
| MA252 | 37 | 52.78 | 118 | 33.08 | 7077.0 | 979356.02 | 27.82 | 4.35 | -210.72 |
| MA253 | 37 | 50.57 | 118 | 32.23 | 6153.0 | 979406.15 | -5.68 | 3.94 | -213.10 |
| MA254 | 37 | 51.50 | 118 | 38.01 | 6700.0 | 979373.13 | 11.37 | 3.03 | -215.63 |
| MA255 | 37 | 49.65 | 118 | 39.19 | 7028.0 | 979351.58 | 23.34 | 5.75 | -212.12 |
| MA256 | 37 | 47.34 | 118 | 35.31 | 6835.0 | 979364.33 | 21.31 | 3.95 | -209.38 |
| MA257 | 37 | 54.50 | 118 | 34.94 | 6480.0 | 979394.1 | 7.37 | 1.40 | -213.75 |
| MA258 | 37 | 55.29 | 118 | 38.19 | 6488.0 | 979390.67 | 5.36 | 1.19 | -215.25 |
| MA259 | 37 | 50.13 | 118 | 40.44 | 6441.0 | 979385.[illegible] | -4.23 | 1.31 | -2[illegible] |
| MA260 | 37 | 56.50 | 118 | 44.58 | 6752.0 | 979377.82 | 13.46 | 3.05 | [illegible]24 |
| MA248 | 37 | 56.30 | 118 | 48.79 | 7852.0 | 979315.43 | 54.48 | 2.64 | [illegible]75 |

| STATION NUMBER | LATITUDE (DEG) | (MIN) | LONGITUDE (DEG) | (MIN) | ELEVATION (FEET) | OBSERVED GRAVITY (MGAL) | FREE AIR ANOMALY (MGAL) | TERRAIN CORRECTION (MGAL) | BOUGUER ANOMALY (MGAL) ρ=2.67 |
|---|---|---|---|---|---|---|---|---|---|
| MA347 | 37 | 54.78 | 118 | 56.89 | 7019.0 | 979342.66 | 6.10 | 2.06 | -232.75 |
| MA348 | 37 | 56.35 | 118 | 56.71 | 6695.0 | 979360.64 | -8.67 | 1.88 | -236.65 |
| MA349 | 37 | 56.46 | 118 | 52.87 | 7154.0 | 979355.03 | 28.70 | 2.66 | -214.15 |
| MA350 | 37 | 56.05 | 118 | 53.43 | 7210.0 | 979349.70 | 29.23 | 2.43 | -215.76 |
| MA351 | 37 | 55.23 | 118 | 54.07 | 7381.0 | 979336.53 | 33.33 | 2.60 | -217.32 |
| MA352 | 37 | 53.98 | 118 | 54.49 | 7621.0 | 979315.46 | 36.63 | 2.46 | -222.33 |
| MA353 | 37 | 53.63 | 118 | 45.95 | 7316.9 | 979336.50 | 29.60 | 2.01 | -219.46 |
| MA354 | 37 | 53.57 | 118 | 42.37 | 6677.7 | 979379.72 | 12.64 | 1.69 | -214.74 |
| MA355 | 37 | 50.63 | 118 | 43.85 | 7081.2 | 979342.13 | 17.45 | 6.01 | -219.57 |
| MA356 | 37 | 48.97 | 118 | 44.38 | 8445.0 | 979253.02 | 59.51 | 5.09 | -224.86 |
| MA357 | 37 | 52.81 | 118 | 40.27 | 6937.0 | 979355.74 | 14.34 | 1.60 | -222.17 |
| MA358 | 37 | 48.00 | 118 | 41.74 | 8536.0 | 979245.31 | 61.15 | 5.24 | -226.17 |
| MA359 | 37 | 46.68 | 118 | 40.65 | 9094.0 | 979214.73 | 84.92 | 6.39 | -220.20 |
| MA360 | 37 | 51.30 | 118 | 41.94 | 7159.0 | 979343.83 | 25.49 | 2.39 | -217.80 |
| MA456 | 37 | 30.79 | 118 | 58.21 | 8335.0 | 979217.57 | 39.56 | 12.97 | -233.19 |
| M457A | 37 | 31.95 | 119 | 1.44 | 7154.0 | 979283.30 | -7.36 | 21.88 | -230.99 |
| M457B | 37 | 32.30 | 119 | 1.42 | 7837.0 | 979251.69 | 24.90 | 13.69 | -230.18 |
| MA458 | 37 | 30.08 | 118 | 53.35 | 10736.0 | 979081.41 | 129.97 | 10.21 | -226.99 |

Table 2. Part of the southern Sierra Nevada data (Oliver, 1974) which are in the vicinity of Long Valley, California

LONG VALLEY CAL 19

GBV 0.00 METER WOR READING 0.00 T+D 0.00 D1 2.67 D2 2.50

| STA | LATITUDE | LONGITUDE | ELEV | ~~READING~~ OG-97880 | T+D | OBSV-GRAV | THEO-GRAV | FAA | BA1 | CC | TC | CBA1 | CBA2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0166 | 37 34.50 | 118 45.60 | 6922.0 | 1316.60 | 0.00 | 979316.6 | 979966.97 | 0.44 | -235.66 | 1.52 | 6.9 | -230.28 | -215.59 |
| 0174 | 37 48.70 | 119 3.20 | 7711.0 | 1292.10 | 0.00 | 979292.1 | 979987.62 | 29.42 | -233.59 | 1.49 | 3.4 | -231.68 | -215.05 |
| 0176 | 37 53.20 | 119 5.60 | 6861.0 | 1353.60 | 0.00 | 979353.6 | 979994.17 | 4.49 | -229.52 | 1.52 | 3.8 | -227.24 | -212.48 |
| 0180 | 37 55.80 | 119 10.00 | 7486.0 | 1317.00 | 0.00 | 979317.0 | 979997.96 | 22.83 | -232.50 | 1.51 | 19.1 | -214.90 | -199.76 |
| 0181 | 37 57.00 | 119 12.10 | 8392.0 | 1266.40 | 0.00 | 979266.4 | 979999.71 | 55.61 | -230.62 | 1.44 | 21.0 | -211.06 | -194.08 |
| 0182 | 37 56.60 | 119 13.60 | 9286.0 | 1214.90 | 0.00 | 979214.9 | 979999.12 | 88.68 | -228.04 | 1.32 | 16.6 | -212.74 | -193.57 |
| 0183 | 37 56.10 | 119 14.85 | 9551.0 | 1205.90 | 0.00 | 979205.9 | 979998.40 | 105.30 | -220.46 | 1.27 | 8.3 | -213.43 | -193.13 |
| 1359 | 37 32.50 | 119 14.70 | 7213.0 | 1317.40 | 0.00 | 979317.4 | 979964.06 | 31.49 | -214.53 | 1.52 | 5.0 | -211.05 | -195.60 |
| 1360 | 37 32.80 | 119 13.70 | 7526.0 | 1293.60 | 0.00 | 979293.6 | 979964.50 | 36.66 | -220.03 | 1.50 | 7.1 | -214.43 | -198.45 |
| 1361 | 37 33.10 | 119 13.10 | 6477.0 | 1352.10 | 0.00 | 979352.1 | 979964.93 | -3.86 | -224.77 | 1.52 | 11.7 | -214.58 | -201.14 |
| 1362 | 37 33.70 | 119 12.50 | 5924.0 | 1378.10 | 0.00 | 979378.1 | 979965.80 | -30.70 | -232.75 | 1.50 | 17.8 | -214.44 | -204.62 |
| 1363 | 37 33.50 | 119 11.90 | 6709.0 | 1337.60 | 0.00 | 979337.6 | 979965.51 | 2.87 | -225.96 | 1.52 | 9.8 | -217.64 | -203.63 |
| 1364 | 37 34.10 | 119 11.00 | 7331.0 | 1300.60 | 0.00 | 979300.6 | 979966.39 | 23.45 | -226.60 | 1.51 | 8.9 | -219.30 | -203.85 |
| 1365 | 37 34.50 | 119 10.40 | 7939.0 | 1265.30 | 0.00 | 979265.3 | 979966.97 | 44.70 | -226.08 | 1.48 | 7.4 | -220.14 | -203.30 |
| 1366 | 37 34.40 | 119 9.50 | 7933.0 | 1265.50 | 0.00 | 979265.5 | 979966.82 | 44.48 | -226.10 | 1.48 | 7.8 | -219.77 | -202.95 |
| 1367 | 37 35.10 | 119 8.50 | 8667.0 | 1219.10 | 0.00 | 979219.1 | 979967.84 | 66.02 | -229.59 | 1.41 | 7.7 | -223.29 | -204.67 |
| 1368 | 37 35.50 | 119 8.10 | 8705.0 | 1215.70 | 0.00 | 979215.7 | 979968.42 | 65.81 | -231.30 | 1.40 | 7.7 | -224.99 | -206.43 |
| 1369 | 37 36.00 | 119 7.30 | 9019.0 | 1193.90 | 0.00 | 979193.9 | 979969.15 | 72.58 | -235.03 | 1.36 | 7.9 | -228.46 | -209.32 |
| 1370 | 37 36.60 | 119 6.20 | 7604.0 | 1273.30 | 0.00 | 979273.3 | 979970.02 | 18.17 | -241.19 | 1.50 | 8.3 | -234.38 | -218.30 |
| 1371 | 37 37.10 | 119 5.50 | 7998.0 | 1249.30 | 0.00 | 979249.3 | 979970.74 | 30.46 | -242.33 | 1.47 | 5.8 | -236.00 | -220.91 |
| 1372 | 37 47.70 | 119 4.10 | 7618.0 | 1297.40 | 0.00 | 979297.4 | 979986.16 | 27.44 | -232.40 | 1.50 | 5.1 | -228.79 | -212.48 |
| 1373 | 37 46.90 | 119 4.60 | 7616.0 | 1293.70 | 0.00 | 979293.7 | 979985.00 | 24.71 | -235.05 | 1.50 | 7.2 | -229.35 | -213.17 |
| 1374 | 37 46.00 | 119 6.00 | 7451.0 | 1299.10 | 0.00 | 979299.1 | 979983.69 | 15.92 | -238.22 | 1.51 | 11.9 | -227.82 | -212.30 |
| 1375 | 37 46.90 | 119 7.50 | 7225.0 | 1306.90 | 0.00 | 979306.9 | 979985.00 | 1.17 | -245.26 | 1.52 | 17.8 | -228.97 | -214.31 |
| 1376 | 37 49.00 | 119 6.70 | 7130.0 | 1324.50 | 0.00 | 979324.5 | 979988.05 | 6.79 | -236.40 | 1.52 | 11.5 | -224.41 | -211.57 |
| 1377 | 37 50.00 | 119 7.10 | 7130.0 | 1326.40 | 0.00 | 979326.4 | 979989.51 | 7.23 | -235.96 | 1.52 | 10.9 | -224.57 | -211.65 |
| 1378 | 37 50.80 | 119 6.80 | 7130.0 | 1330.80 | 0.00 | 979330.8 | 979990.67 | 10.47 | -232.72 | 1.52 | 7.3 | -226.43 | -211.82 |
| 1379 | 37 51.70 | 119 6.20 | 7146.0 | 1331.80 | 0.00 | 979331.8 | 979991.98 | 11.66 | -232.07 | 1.52 | 4.4 | -228.60 | -213.34 |
| 1380 | 37 52.70 | 119 9.40 | 7933.0 | 1290.60 | 0.00 | 979290.6 | 979993.44 | 42.95 | -227.62 | 1.48 | 9.7 | -219.40 | -202.70 |
| 1707 | 37 36.35 | 119 11.93 | 9470.0 | 1167.40 | 0.00 | 979167.4 | 979969.65 | 87.94 | -235.06 | 1.29 | 18.3 | -218.04 | -198.58 |
| 1708 | 37 30.40 | 119 5.20 | 8319.0 | 1233.50 | 0.00 | 979233.5 | 979961.01 | 54.56 | -229.19 | 1.45 | 6.9 | -223.73 | -206.01 |
| 1709 | 37 30.92 | 118 56.00 | 10316.0 | 1106.90 | 0.00 | 979106.9 | 979961.77 | 114.80 | -237.06 | 1.12 | 9.8 | -228.37 | -206.52 |
| 1710 | 37 33.10 | 118 57.39 | 10428.0 | 1103.90 | 0.00 | 979103.9 | 979964.93 | 119.15 | -236.52 | 1.09 | 10.4 | -227.21 | -205.16 |
| 1711 | 37 34.34 | 119 3.28 | 9560.0 | 1146.50 | 0.00 | 979146.5 | 979966.73 | 78.42 | -247.65 | 1.27 | 15.0 | -233.42 | -214.03 |
| 1712 | 37 35.66 | 119 3.25 | 8978.0 | 1182.30 | 0.00 | 979182.3 | 979968.65 | 57.63 | -248.59 | 1.37 | 9.3 | -240.65 | -221.68 |
| 1713 | 37 43.52 | 119 2.72 | 10012.0 | 1128.20 | 0.00 | 979128.2 | 979980.08 | 89.23 | -252.26 | 1.18 | 17.6 | -239.84 | -215.14 |
| 1714 | 37 43.15 | 119 6.35 | 11601.0 | 1019.40 | 0.00 | 979019.4 | 979979.54 | 130.20 | -265.48 | 0.77 | 35.2 | -231.04 | -208.04 |
| 1715 | 37 51.34 | 119 12.83 | 10603.0 | 1130.70 | 0.00 | 979130.7 | 979991.46 | 135.85 | -225.79 | 1.05 | 14.0 | -212.83 | -190.63 |
| 1716 | 37 50.12 | 119 9.30 | 8327.0 | 1254.10 | 0.00 | 979254.1 | 979989.68 | 47.23 | -236.79 | 1.45 | 13.8 | -224.43 | -207.13 |
| 1717 | 37 45.37 | 119 7.92 | 8495.0 | 1235.60 | 0.00 | 979235.6 | 979982.77 | 51.43 | -238.32 | 1.43 | 13.2 | -224.54 | -208.84 |
| 1718 | 37 44.90 | 119 8.79 | 9027.0 | 1209.40 | 0.00 | 979209.4 | 979982.09 | 75.89 | -232.00 | 1.36 | 7.9 | -225.45 | -206.27 |
| 1719 | 37 45.45 | 119 9.36 | 9028.0 | 1208.90 | 0.00 | 979208.9 | 979982.89 | 76.69 | -233.24 | 1.36 | 9.2 | -225.39 | -206.29 |
| 1720 | 37 45.03 | 119 11.73 | 9422.0 | 1191.70 | 0.00 | 979191.7 | 979982.28 | 95.11 | -226.25 | 1.30 | 7.9 | -219.64 | -199.60 |
| 1721 | 37 45.37 | 119 12.86 | 10284.0 | 1142.40 | 0.00 | 979142.4 | 979982.77 | 126.28 | -224.48 | 1.12 | 10.2 | -215.40 | -193.64 |
| 1722 | 37 42.28 | 119 9.12 | 10322.0 | 1122.20 | 0.00 | 979122.2 | 979978.27 | 114.15 | -237.91 | 1.12 | 12.6 | -226.42 | -204.74 |
| 1723 | 37 43.67 | 119 10.14 | 9834.0 | 1163.50 | 0.00 | 979163.5 | 979980.30 | 107.59 | -227.82 | 1.22 | 6.4 | -222.64 | -201.61 |
| 1724 | 37 43.04 | 119 11.45 | 9835.0 | 1159.30 | 0.00 | 979159.3 | 979979.38 | [illegible] | -231.05 | 1.22 | 7.1 | [illegible] | -204.14 |
| 1725 | 37 42.00 | 119 12.57 | 11035.0 | 1077.40 | 0.00 | 979077.4 | 979977.07 | 136.82 | -239.59 | 0.93 | 13.6 | -226.02 | -203.74 |
| 1726 | 37 45.59 | 119 14.81 | 11057.0 | 1098.00 | 0.00 | 979098.0 | 979983.25 | 154.14 | -222.96 | 0.93 | 11.8 | -212.08 | -194.77 |
| 1727 | 37 48.23 | 119 12.93 | 11472.0 | 1081.00 | 0.00 | 979081.0 | 979985.92 | 162.39 | -228.49 | 0.91 | 15.7 | -214.79 | -196.71 |

Table 3. Detailed data in Long Valley and vicinity that determine the gravity contours in plate 1 of USGS Prof. Paper 438 (Pakiser and others, 1964).

OWENS VAL - LONG VAL CAL 1955 RERUN 4-67

MCGEE CRK LB1 GBV 979313.77 METER W90 READING 504.47 T+D 0.00 D1 2.67 D2 2.80

| STA | LATITUDE | LONGITUDE | ELEV | READING | T+D | OBSV-GRAV | THEO-GRAV | FAA | BA1 | CC | TC | CBA1 | CBA2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV1 | 37 33.30 | 118 41.70 | 7001.0 | 16.20 | 0.00 | 79321.94 | 79965.22 | 14.94 | -223.84 | 1.52 | 8.67 | -216.69 | -227.96 |
| LV2 | 37 30.70 | 118 37.70 | 6418.0 | 75.40 | 0.00 | 79351.81 | 79961.44 | -6.21 | -225.10 | 1.51 | 7.25 | -219.36 | -229.74 |
| LV3 | 37 30.00 | 118 36.20 | 5721.0 | 148.90 | 0.00 | 79388.89 | 79960.43 | -33.62 | -228.74 | 1.48 | 5.62 | -224.60 | -233.90 |
| LV4 | 37 30.20 | 118 36.70 | 5951.0 | 126.60 | 0.00 | 79377.64 | 79960.72 | -23.54 | -226.51 | 1.49 | 6.12 | -221.88 | -231.54 |
| LV5 | 37 30.50 | 118 37.30 | 6172.0 | 101.90 | 0.00 | 79365.18 | 79961.15 | -15.67 | -226.17 | 1.50 | 6.87 | -220.81 | -230.79 |
| LV6 | 37 31.40 | 118 38.00 | 6134.0 | 109.80 | 0.00 | 79369.16 | 79962.46 | -16.56 | -225.77 | 1.50 | 12.13 | -215.14 | -224.81 |
| LV7 | 37 33.50 | 118 39.80 | 6948.0 | 29.20 | 0.00 | 79328.50 | 79965.51 | 16.23 | -220.75 | 1.52 | 4.17 | -218.09 | -229.50 |
| LV8 | 37 33.60 | 118 40.80 | 7055.0 | 13.30 | 0.00 | 79320.48 | 79965.65 | 18.12 | -222.51 | 1.51 | 4.64 | -219.38 | -230.94 |
| LV9 | 37 33.30 | 118 42.50 | 7014.0 | 4.20 | 0.00 | 79315.89 | 79965.22 | 10.11 | -229.12 | 1.52 | 7.79 | -222.84 | -234.18 |
| LV10 | 37 33.70 | 118 43.50 | 7203.0 | -32.20 | 0.00 | 79297.53 | 79965.80 | 8.92 | -236.75 | 1.51 | 6.53 | -231.73 | -243.44 |
| LV11 | 37 33.60 | 118 44.30 | 7007.0 | -6.90 | 0.00 | 79310.29 | 79965.65 | 3.41 | -235.57 | 1.52 | 10.08 | -227.01 | -238.22 |
| LV12 | 37 34.60 | 118 46.00 | 6912.0 | 5.40 | 0.00 | 79316.49 | 79967.11 | -0.76 | -236.50 | 1.52 | 6.38 | -231.64 | -242.88 |
| LV13 | 37 36.00 | 118 48.00 | 6857.0 | 6 [illegible] | 0.00 | 79317.25 | 79969.14 | -7.21 | -241.08 | 1.52 | 8.16 | -234.43 | -245.50 |
| LV14 | 37 37.00 | 118 49.20 | 7038.0 | -3[illegible].70 | 0.00 | 79295.26 | 79970.59 | -13.65 | -253.69 | 1.52 | 4.35 | -250.85 | -262.40 |
| LV15 | 37 37.70 | 118 51.60 | 7111.0 | -60.40 | 0.00 | 79283.30 | 79971.61 | -19.76 | -262.29 | 1.51 | 4.02 | -259.79 | -271.47 |
| LV16 | 37 38.20 | 118 53.40 | 7190.0 | -62.00 | 0.00 | 79282.49 | 79972.34 | -13.87 | -259.10 | 1.51 | 4.12 | -256.49 | -268.30 |
| LV17 | 37 41.30 | 118 56.30 | 7595.0 | -116.00 | 0.00 | 79255.25 | 79976.84 | -7.56 | -266.60 | 1.50 | 2.76 | -265.34 | -277.89 |
| LV18 | 37 41.80 | 118 56.60 | 7610.0 | -115.90 | 0.00 | 79255.30 | 79977.57 | -6.83 | -266.38 | 1.50 | 2.44 | -265.44 | -278.03 |
| LV19 | 37 40.80 | 118 56.90 | 8026.0 | -167.40 | 0.00 | 79229.32 | 79976.12 | 7.73 | -266.01 | 1.47 | 2.84 | -264.64 | -277.90 |
| LV20 | 37 38.70 | 118 55.70 | 7566.0 | -103.90 | 0.00 | 79261.36 | 79973.06 | -0.40 | -258.45 | 1.50 | 3.22 | -256.73 | -269.21 |
| LV21 | 37 38.40 | 118 55.10 | 7378.0 | -82.10 | 0.00 | 79272.35 | 79972.63 | -6.63 | -258.27 | 1.51 | 3.87 | -255.91 | -268.05 |
| LV22 | 37 38.40 | 118 56.30 | 7642.0 | -112.50 | 0.00 | 79257.02 | 79972.63 | 2.84 | -257.81 | 1.49 | 3.55 | -255.75 | -268.34 |
| LV23 | 37 38.80 | 118 57.50 | 7801.0 | -132.90 | 0.00 | 79246.73 | 79973.21 | 6.90 | -259.16 | 1.48 | 3.32 | -257.33 | -270.19 |
| LV24 | 37 38.90 | 118 58.00 | 7859.0 | -139.20 | 0.00 | 79243.55 | 79973.35 | 9.03 | -259.01 | 1.48 | 3.61 | -256.89 | -269.83 |
| LV25 | 37 38.90 | 118 58.80 | 8020.0 | -157.60 | 0.00 | 79234.27 | 79973.35 | 14.87 | -258.66 | 1.47 | 3.54 | -256.59 | -269.81 |
| LV26 | 37 39.20 | 118 59.60 | 8359.0 | -201.80 | 0.00 | 79211.97 | 79973.79 | 23.99 | -261.11 | 1.44 | 3.84 | -258.70 | -272.47 |
| LV27 | 37 38.30 | 118 59.60 | 8288.0 | -189.80 | 0.00 | 79218.02 | 79972.48 | 24.68 | -257.99 | 1.44 | 5.40 | -254.04 | -267.61 |
| LV28 | 37 38.10 | 118 57.80 | 7839.0 | -134.50 | 0.00 | 79245.92 | 79972.19 | 10.68 | -256.68 | 1.48 | 4.52 | -253.64 | -266.51 |
| LV30 | 37 39.30 | 118 48.10 | 6970.0 | -41.30 | 0.00 | 79292.94 | 79973.94 | -25.70 | -263.42 | 1.52 | 2.13 | -262.81 | -274.35 |
| LV31 | 37 40.20 | 118 48.50 | 6961.0 | -44.00 | 0.00 | 79291.57 | 79975.24 | -29.22 | -266.63 | 1.52 | 2.02 | -266.13 | -277.66 |
| LV32 | 37 41.20 | 118 47.00 | 6916.0 | -46.30 | 0.00 | 79290.41 | 79976.70 | -36.06 | -271.94 | 1.52 | 1.83 | -271.63 | -283.10 |
| LV33 | 37 41.30 | 118 45.80 | 6815.0 | -29.10 | 0.00 | 79299.09 | 79976.84 | -37.02 | -269.46 | 1.52 | 1.88 | -269.09 | -280.39 |
| LV34 | 37 41.00 | 118 47.70 | 6942.0 | -49.70 | 0.00 | 79288.70 | 79976.41 | -35.04 | -271.81 | 1.52 | 1.92 | -271.41 | -282.91 |
| LV35 | 37 38.80 | 118 48.30 | 7006.0 | -45.10 | 0.00 | 79291.02 | 79973.21 | -23.51 | -262.46 | 1.52 | 2.22 | -261.75 | -273.35 |
| LV36 | 37 39.60 | 118 48.20 | 6978.0 | -42.10 | 0.00 | 79292.53 | 79974.37 | -25.79 | -263.78 | 1.52 | 2.09 | -263.21 | -274.77 |
| LV37 | 37 40.60 | 118 47.80 | 6956.0 | -43.80 | 0.00 | 79291.67 | 79975.83 | -30.17 | -267.41 | 1.52 | 1.89 | -267.04 | -278.57 |
| LV38 | 37 41.30 | 118 46.30 | 6852.0 | -34.90 | 0.00 | 79296.16 | 79976.84 | -36.47 | -270.17 | 1.52 | 1.87 | -269.8[illegible] | -281.17 |
| LV39 | 37 41.40 | 118 44.80 | 6814.0 | -25.70 | 0.00 | 79300.81 | 79976.99 | -35.54 | -267.95 | 1.52 | 2.04 | -267.4[illegible] | -278.71 |
| LV40 | 37 40.70 | 118 44.10 | 6831.0 | -21.40 | 0.00 | 79302.97 | 79975.97 | -30.76 | -263.74 | 1.52 | 2.11 | -263.15 | -274.46 |
| LV41 | 37 40.10 | 118 43.50 | 6899.0 | -21.80 | 0.00 | 79302.77 | 79975.10 | -23.70 | -259.00 | 1.52 | 2.08 | -258.44 | -269.87 |
| LV42 | 37 39.00 | 118 43.30 | 6918.0 | -11.70 | 0.00 | 79307.87 | 79973.50 | -15.22 | -251.17 | 1.52 | 1.98 | -250.70 | -262.17 |
| LV43 | 37 38.40 | 118 43.40 | 6817.0 | 16.80 | 0.00 | 79322.25 | 79972.63 | -9.46 | -241.96 | 1.52 | 2.19 | -241.29 | -252.58 |
| LV44 | 37 38.50 | 118 41.80 | 7037.0 | 22.80 | 0.00 | 79325.27 | 79972.77 | 14.10 | -225.91 | 1.52 | 2.67 | -224.76 | -236.39 |
| LV45 | 37 38.30 | 118 40.90 | 7234.0 | 22.40 | 0.00 | 79325.07 | 79972.48 | 32.70 | -214.03 | 1.51 | 2.47 | -213.07 | -225.04 |
| LV46 | 37 38.00 | 118 39.20 | 7556.0 | -14.60 | 0.00 | 79306.40 | 79972.05 | 44.72 | -212.99 | 1.50 | 2.37 | -212.11 | -224.62 |
| LV47 | 37 38.60 | 118 37.00 | 7300.0 | 33.60 | 0.00 | 79330.72 | 79972.92 | 44.11 | -204.87 | 1.51 | 2.13 | -204.24 | -216.34 |
| [illegible]8 | 37 38.90 | 118 35.80 | 7017.0 | 75.70 | 0.00 | 7935[illegible].96 | 79973.35 | 38.32 | -201.00 | 1.52 | 2.33 | -200.19 | -211.80 |
| [illegible].9 | 37 38.90 | 118 36.70 | 7292.0 | 37.60 | 0.00 | 793[illegible]74 | 79973.35 | 44.94 | -203.76 | 1.51 | 2.15 | -203.[illegible] | -215.20 |
| LV50 | 37 38.30 | 118 37.80 | 7339.0 | 22.50 | 0.00 | 7932[illegible].12 | 79972.48 | 42.61 | -207.69 | 1.51 | 2.35 | -206.[illegible] | -219.00 |

Table 3. (continued)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV51 | 37 | 38.20 | 118 | 38.30 | 7391.0 | 15.40 | 0.00 | 79321.54 | 79972.34 | 44.06 | -208.02 | 1.51 | 2.19 | -207.33 | -219.57 |
| LV52 | 37 | 38.30 | 118 | 39.80 | 7352.0 | 11.20 | 0.00 | 79319.42 | 79972.48 | 38.13 | -212.62 | 1.51 | 2.43 | -211.69 | -223.86 |
| LV53 | 37 | 41.10 | 118 | 44.50 | 6823.0 | -24.10 | 0.00 | 79301.61 | 79976.55 | -33.45 | -266.16 | 1.52 | 2.02 | -265.66 | -276.97 |
| LV195 | 37 | 33.20 | 118 | 39.30 | 6806.0 | 51.60 | 0.00 | 79339.80 | 79965.07 | 14.62 | -217.51 | 1.52 | 4.55 | -214.48 | -225.63 |
| LV196 | 37 | 33.20 | 118 | 37.50 | 7009.0 | 29.50 | 0.00 | 79328.65 | 79965.07 | 22.55 | -216.51 | 1.52 | 3.30 | -214.72 | -226.27 |
| LV197 | 37 | 32.70 | 118 | 36.10 | 6810.0 | 45.00 | 0.00 | 79336.47 | 79964.35 | 12.39 | -219.87 | 1.52 | 4.19 | -217.20 | -228.38 |
| LV198 | 37 | 30.30 | 118 | 34.70 | 5778.0 | 157.60 | 0.00 | 79393.27 | 79960.86 | -24.31 | -221.37 | 1.48 | 3.75 | -219.11 | -228.59 |
| LV199 | 37 | 33.20 | 118 | 40.80 | 7273.0 | -11.90 | 0.00 | 79307.77 | 79965.07 | 26.47 | -221.59 | 1.51 | 5.33 | -217.77 | -229.66 |
| LV200 | 37 | 32.70 | 118 | 41.30 | 7507.0 | -49.80 | 0.00 | 79288.65 | 79964.35 | 30.06 | -225.97 | 1.50 | 10.23 | -217.24 | -229.29 |
| LV201 | 37 | 32.20 | 118 | 41.70 | 7913.0 | -104.50 | 0.00 | 79261.05 | 79963.62 | 41.34 | -228.54 | 1.48 | 10.55 | -219.47 | -232.17 |
| LV202 | 37 | 31.80 | 118 | 42.40 | 8159.0 | -138.20 | 0.00 | 79244.05 | 79963.04 | 48.04 | -230.24 | 1.46 | 13.06 | -218.63 | -231.62 |
| LV203 | 37 | 31.20 | 118 | 42.50 | 8340.0 | -163.40 | 0.00 | 79231.34 | 79962.17 | 53.20 | -231.25 | 1.44 | 17.55 | -215.14 | -228.20 |
| LV204 | 37 | 30.70 | 118 | 42.70 | 8488.0 | -184.70 | 0.00 | 79220.59 | 79961.44 | 57.09 | -232.41 | 1.42 | 15.80 | -218.03 | -231.43 |
| LV205 | 37 | 30.10 | 118 | 42.70 | 8714.0 | -210.50 | 0.00 | 79207.58 | 79960.57 | 66.18 | -231.03 | 1.40 | 16.55 | -215.88 | -229.61 |
| LV206 | 37 | 34.30 | 118 | 46.90 | 7405.0 | -56.10 | 0.00 | 79285.47 | 79966.67 | 14.98 | -237.58 | 1.50 | 9.26 | -229.83 | -241.75 |
| LV207 | 37 | 33.70 | 118 | 47.10 | 7669.0 | -84.40 | 0.00 | 79271.19 | 79965.80 | 26.38 | -235.18 | 1.49 | 11.72 | -224.96 | -237.19 |
| LV208 | 37 | 33.20 | 118 | 47.70 | 7755.0 | -100.90 | 0.00 | 79262.87 | 79965.07 | 26.86 | -237.63 | 1.49 | 17.17 | -221.95 | -234.07 |
| LV209 | 37 | 32.80 | 118 | 48.40 | 8159.0 | -137.20 | 0.00 | 79244.66 | 79964.49 | 47.19 | -231.09 | 1.46 | 21.71 | -210.83 | -223.39 |
| LV210 | 37 | 34.10 | 118 | 45.10 | 6997.0 | -2.30 | 0.00 | 79312.61 | 79966.38 | 4.07 | -234.57 | 1.52 | 6.79 | -229.30 | -240.66 |
| LV211 | 37 | 34.70 | 118 | 44.20 | 6795.0 | 20.20 | 0.00 | 79323.98 | 79967.25 | -4.43 | -236.19 | 1.52 | 4.59 | -233.12 | -244.25 |
| LV212 | 37 | 32.80 | 118 | 45.70 | 8639.0 | -206.80 | 0.00 | 79209.45 | 79964.49 | 57.08 | -237.57 | 1.41 | 11.52 | -227.46 | -241.31 |
| LV213 | 37 | 32.00 | 118 | 45.70 | 8861.0 | -233.00 | 0.00 | 79196.23 | 79963.33 | 65.88 | -236.34 | 1.38 | 12.08 | -225.64 | -239.83 |
| LV214 | 37 | 31.40 | 118 | 45.60 | 9289.0 | -285.80 | 0.00 | 79169.59 | 79962.46 | 80.32 | -236.50 | 1.31 | 12.72 | -225.09 | -239.96 |
| LV215 | 37 | 37.00 | 118 | 50.50 | 7193.0 | -54.40 | 0.00 | 79286.33 | 79970.59 | -8.01 | -253.34 | 1.51 | 4.92 | -249.93 | -261.71 |
| LV216 | 37 | 36.50 | 118 | 50.80 | 7439.0 | -68.40 | 0.00 | 79279.26 | 79969.87 | 8.77 | -244.95 | 1.50 | 5.91 | -240.54 | -252.68 |
| LV217 | 37 | 35.90 | 118 | 50.80 | 7541.0 | -74.70 | 0.00 | 79276.09 | 79969.00 | 16.05 | -241.15 | 1.50 | 7.89 | -234.76 | -246.97 |
| LV218 | 37 | 35.30 | 118 | 51.00 | 7603.0 | -84.30 | 0.00 | 79271.24 | 79968.12 | 17.90 | -241.41 | 1.50 | 12.54 | -230.37 | -242.45 |
| LV219 | 37 | 32.50 | 118 | 49.20 | 8446.0 | -186.30 | 0.00 | 79219.79 | 79964.06 | 49.72 | -238.34 | 1.43 | 18.74 | -221.03 | -234.21 |
| LV220 | 37 | 31.80 | 118 | 49.20 | 8783.0 | -230.60 | 0.00 | 79197.44 | 79963.04 | 60.05 | -239.51 | 1.39 | 20.15 | -220.75 | -234.42 |
| LV221 | 37 | 31.30 | 118 | 49.00 | 9017.0 | -259.90 | 0.00 | 79182.66 | 79962.31 | 67.98 | -239.56 | 1.36 | 18.10 | -222.82 | -236.98 |
| LV222 | 37 | 30.40 | 118 | 49.20 | 9499.0 | -307.70 | 0.00 | 79158.54 | 79961.01 | 90.45 | -233.53 | 1.28 | 13.26 | -221.55 | -236.74 |
| LV229 | 37 | 33.60 | 118 | 37.70 | 7031.0 | 21.20 | 0.00 | 79324.46 | 79965.65 | 19.85 | -219.96 | 1.52 | 3.21 | -218.26 | -229.86 |
| LV230 | 37 | 34.40 | 118 | 37.80 | 7256.0 | -5.20 | 0.00 | 79311.15 | 79966.82 | 26.51 | -220.97 | 1.51 | 3.31 | -219.17 | -231.13 |
| LV231 | 37 | 34.60 | 118 | 38.30 | 7229.0 | -0.90 | 0.00 | 79313.32 | 79967.11 | 25.85 | -220.71 | 1.51 | 3.53 | -218.69 | -230.59 |
| LV232 | 37 | 34.70 | 118 | 39.10 | 7246.0 | -5.50 | 0.00 | 79311.00 | 79967.25 | 24.98 | -222.15 | 1.51 | 3.66 | -220.01 | -231.93 |
| LV233 | 37 | 34.60 | 118 | 39.70 | 7108.0 | 7.60 | 0.00 | 79317.60 | 79967.40 | 18.48 | -223.95 | 1.51 | 4.04 | -221.43 | -233.11 |
| LV234 | 37 | 34.80 | 118 | 41.10 | 7039.0 | 7.60 | 0.00 | 79317.60 | 79967.40 | 11.99 | -228.08 | 1.52 | 3.53 | -226.07 | -237.66 |
| LV235 | 37 | 35.20 | 118 | 42.30 | 6817.0 | 34.00 | 0.00 | 79330.92 | 79967.98 | 3.87 | -228.64 | 1.52 | 3.42 | -226.73 | -237.96 |
| LV236 | 37 | 35.20 | 118 | 45.20 | 6785.0 | 23.30 | 0.00 | 79325.52 | 79967.98 | -4.54 | -235.95 | 1.52 | 4.64 | -232.83 | -243.94 |

Table 3. (continued)

OWENS VAL - LONG VAL CAL 1955 RERUN 4-67

CASA D1 HS LB2 GBV 979278.09 METER #90 READING 504.47 T+D 0.00 D1 2.67 D2 2.80

| STA | LATITUDE | LONGITUDE | ELEV | READING | T+D | OBSV-GRAV | THEO-GRAV | FAA | BA1 | CC | TC | CBA1 | CBA2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV67 | 37 40.30 | 118 53.00 | 7555.0 | -36.20 | 0.00 | 79259.83 | 79975.39 | -5.29 | -262.97 | 1.50 | 3.38 | -261.08 | -273.54 |
| LV68 | 37 40.80 | 118 52.30 | 7200.0 | 14.90 | 0.00 | 79285.61 | 79976.12 | -13.60 | -259.16 | 1.51 | 2.58 | -258.10 | -270.00 |
| LV69 | 37 41.20 | 118 51.40 | 7243.0 | 7.40 | 0.00 | 79281.82 | 79976.70 | -13.92 | -260.96 | 1.51 | 2.14 | -260.33 | -272.32 |
| LV70 | 37 42.00 | 118 48.40 | 6883.0 | 26.90 | 0.00 | 79291.66 | 79977.86 | -39.08 | -273.83 | 1.52 | 2.16 | -273.19 | -284.59 |
| LV71 | 37 44.70 | 118 56.10 | 7276.0 | 45.30 | 0.00 | 79300.94 | 79981.79 | 3.21 | -244.95 | 1.51 | 2.67 | -243.79 | -255.82 |
| LV72 | 37 44.80 | 118 55.00 | 7109.0 | 70.60 | 0.00 | 79313.71 | 79981.94 | 0.13 | -242.33 | 1.51 | 2.87 | -240.98 | -252.72 |
| LV73 | 37 44.80 | 118 54.40 | 7085.0 | 71.20 | 0.00 | 79314.01 | 79981.94 | -1.82 | -243.47 | 1.51 | 2.95 | -242.03 | -253.73 |
| LV74 | 37 44.70 | 118 53.80 | 7102.0 | 50.50 | 0.00 | 79303.57 | 79981.79 | -10.52 | -252.75 | 1.51 | 2.61 | -251.65 | -263.39 |
| LV75 | 37 44.20 | 118 50.40 | 6965.0 | 38.40 | 0.00 | 79297.46 | 79981.06 | -28.77 | -266.32 | 1.52 | 2.31 | -265.53 | -277.06 |
| LV76 | 37 40.80 | 118 48.40 | 6913.0 | 26.20 | 0.00 | 79291.31 | 79976.12 | -34.87 | -270.64 | 1.52 | 1.84 | -270.32 | -281.79 |
| LV77 | 37 41.50 | 118 48.60 | 6881.0 | 29.40 | 0.00 | 79292.92 | 79977.14 | -37.28 | -271.96 | 1.52 | 1.93 | -271.55 | -282.96 |
| LV78 | 37 42.60 | 118 48.20 | 6910.0 | 23.00 | 0.00 | 79289.69 | 79978.73 | -39.38 | -275.06 | 1.52 | 2.02 | -274.55 | -286.00 |
| LV79 | 37 43.30 | 118 48.50 | 6925.0 | 25.00 | 0.00 | 79290.70 | 79979.75 | -37.98 | -274.17 | 1.52 | 2.21 | -273.47 | -284.94 |
| LV80 | 37 43.60 | 118 48.70 | 6918.0 | 34.10 | 0.00 | 79295.29 | 79980.48 | -34.77 | -270.72 | 1.52 | 2.35 | -269.69 | -281.34 |
| LV81 | 37 44.20 | 118 49.30 | 6913.0 | 45.20 | 0.00 | 79300.89 | 79981.06 | -30.23 | -266.01 | 1.52 | 2.53 | -264.99 | -276.42 |
| LV82 | 37 44.40 | 118 50.90 | 6990.0 | 43.50 | 0.00 | 79300.03 | 79981.35 | -24.14 | -262.54 | 1.52 | 2.48 | -261.58 | -273.14 |
| LV83 | 37 44.50 | 118 51.70 | 7041.0 | 48.00 | 0.00 | 79302.30 | 79981.50 | -17.22 | -257.37 | 1.52 | 2.51 | -256.37 | -268.02 |
| LV84 | 37 44.50 | 118 52.20 | 7050.0 | 53.60 | 0.00 | 79305.13 | 79981.50 | -13.55 | -254.00 | 1.51 | 2.50 | -253.02 | -264.68 |
| LV85 | 37 44.50 | 118 52.70 | 7084.0 | 42.20 | 0.00 | 79299.38 | 79981.50 | -16.11 | -257.72 | 1.51 | 2.42 | -256.81 | -268.53 |
| LV86 | 37 44.60 | 118 53.40 | 7103.0 | 45.10 | 0.00 | 79300.84 | 79981.64 | -13.01 | -255.26 | 1.51 | 2.52 | -254.26 | -266.00 |
| LV87 | 37 44.00 | 118 57.90 | 7516.0 | 1.40 | 0.00 | 79278.80 | 79980.77 | 4.63 | -251.71 | 1.50 | 2.36 | -250.85 | -263.29 |
| LV88 | 37 44.30 | 118 58.20 | 7482.0 | 23.00 | 0.00 | 79289.69 | 79981.21 | 11.90 | -243.29 | 1.50 | 2.37 | -242.42 | -254.80 |
| LV89 | 37 42.90 | 118 57.00 | 7648.0 | -49.20 | 0.00 | 79253.27 | 79979.17 | -6.89 | -267.74 | 1.49 | 2.03 | -267.20 | -279.88 |
| LV90 | 37 42.50 | 118 56.80 | 7566.0 | -40.00 | 0.00 | 79257.91 | 79978.59 | -9.37 | -267.42 | 1.50 | 2.22 | -266.70 | -279.23 |
| LV91 | 37 42.20 | 118 57.90 | 7640.0 | -49.10 | 0.00 | 79253.32 | 79978.15 | -6.58 | -267.15 | 1.49 | 2.44 | -266.20 | -278.84 |
| LV92 | 37 41.60 | 118 58.80 | 7842.0 | -68.60 | 0.00 | 79243.48 | 79977.28 | 3.44 | -264.02 | 1.48 | 2.88 | -262.62 | -275.58 |
| LV93 | 37 41.80 | 118 59.30 | 7849.0 | -66.20 | 0.00 | 79244.69 | 79977.57 | 5.02 | -262.68 | 1.48 | 2.72 | -261.45 | -274.42 |
| LV94 | 37 42.00 | 118 58.30 | 7797.0 | -66.30 | 0.00 | 79244.64 | 79977.86 | -0.21 | -266.14 | 1.48 | 2.45 | -265.17 | -278.07 |
| LV224 | 37 37.50 | 118 53.70 | 7232.0 | 2.30 | 0.00 | 79279.25 | 79971.32 | -12.15 | -258.81 | 1.51 | 5.60 | -254.72 | -266.53 |
| LV225 | 37 36.40 | 118 54.80 | 8449.0 | -114.70 | 0.00 | 79220.23 | 79969.72 | 44.78 | -243.39 | 1.43 | 7.78 | -237.04 | -250.76 |
| LV226 | 37 35.70 | 118 54.60 | 8718.0 | -148.40 | 0.00 | 79203.23 | 79968.70 | 54.06 | -243.28 | 1.40 | 10.50 | -234.17 | -248.21 |
| LV227 | 37 35.10 | 118 54.30 | 9103.0 | -197.30 | 0.00 | 79178.56 | 79967.83 | 66.44 | -244.04 | 1.34 | 14.0[illegible] | -231.36 | -245.86 |
| LV228 | 37 34.40 | 118 54.50 | 9767.0 | -273.90 | 0.00 | 79139.92 | 79966.82 | 91.19 | -241.93 | 1.23 | 12.6[illegible] | -230.56 | -246.23 |
| LV237 | 37 37.40 | 119 0.20 | 8584.0 | -138.20 | 0.00 | 79208.37 | 79971.17 | 44.15 | -248.62 | 1.41 | 6.31 | -24[illegible].72 | -257.74 |
| LV238 | 37 36.60 | 119 0.40 | 8905.0 | -165.90 | 0.00 | 79194.40 | 79970.01 | 61.50 | -242.22 | 1.37 | 5.61 | -2[illegible].98 | -252.57 |
| LV239 | 37 36.70 | 119 1.00 | 8968.0 | -180.60 | 0.00 | 79186.98 | 79970.16 | 59.85 | -246.01 | 1.36 | 4.91 | -2[illegible].47 | -257.19 |
| LV240 | 37 36.00 | 119 0.30 | 9008.0 | -176.40 | 0.00 | 79189.10 | 79969.14 | 66.75 | -240.48 | 1.36 | 5.71 | -236.13 | -250.88 |
| LV241 | 37 35.90 | 118 59.70 | 8923.0 | -165.40 | 0.00 | 79194.65 | 79969.00 | 64.46 | -239.88 | 1.37 | 5.92 | -235.33 | -249.92 |
| LV242 | 37 35.50 | 118 59.00 | 9071.0 | -183.10 | 0.00 | 79185.72 | 79968.41 | 70.01 | -239.37 | 1.35 | 7.28 | -233.44 | -248.21 |
| LV243 | 37 40.20 | 118 55.60 | 7570.0 | -37.10 | 0.00 | 79259.37 | 79975.24 | -4.19 | -262.38 | 1.50 | 2.58 | -261.29 | -273.81 |
| LV244 | 37 44.10 | 118 56.90 | 7406.0 | 0.00 | 0.00 | 79278.09 | 79980.92 | -6.56 | -259.15 | 1.50 | 3.31 | -257.35 | -269.56 |
| LV245 | 37 45.40 | 118 54.90 | 7126.0 | 80.10 | 0.00 | 79318.50 | 79982.81 | 5.65 | -237.40 | 1.51 | 2.59 | -236.32 | -248.10 |
| LV246 | 37 46.00 | 118 55.40 | 7447.0 | 43.60 | 0.00 | 79300.08 | 79983.68 | 16.53 | -237.47 | 1.50 | 2.71 | -236.26 | -248.57 |
| LV247 | 37 46.70 | 118 55.30 | 7723.0 | 16.60 | 0.00 | 79286.46 | 79984.70 | 27.82 | -235.59 | 1.49 | 2.57 | -234.51 | -247.28 |
| LV248 | 37 47.20 | 118 55.10 | 7949.0 | -7.50 | 0.00 | 79274.31 | 79985.43 | 36.17 | -234.95 | 1.47 | 2.25 | -234.17 | -247.33 |
| LV249 | 37 46.90 | 118 53.40 | 9044.0 | -159.40 | 0.00 | [illegible]197.68 | 79984.99 | 62.85 | -245.61 | 1.35 | 8.68 | -2[illegible].28 | -252.94 |
| LV250 | 37 46.20 | 118 53.30 | 8587.0 | -101.60 | 0.00 | [illegible].9226.84 | 79983.97 | 50.10 | -242.78 | 1.41 | 8.50 | -[illegible].69 | -249.61 |
| LV251 | 37 43.40 | 118 53.90 | 7168.0 | 22.50 | 0.00 | 79289.44 | 79979.90 | -16.55 | -261.03 | 1.51 | 2.24 | -260.30 | -272.17 |
| LV252 | 37 [illegible] | 118 51.20 | 6986.0 | 80.80 | 0.00 | 79318.85 | 79982.52 | -6.86 | -245.13 | 1.52 | 3.77 | -242.88 | -254.37 |

Table 3. (continued)

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV253 | 37 | 37.00 | 118 | 45.30 | 6792.0 | 87.70 | 0.00 | 79322.33 | 79970.59 | -9.69 | -241.34 | 1.52 | 2.70 | -240.16 | -251.38 |

Table 3. (continued)

OWENS VAL - LONG VAL CAL 1956 RERUN 4-67

CASA D1 HS LB2 GRV 979278.09 METER 286 READING 472.00 T+D 0.00 D1 2.67 D2 2.80

| STA | LATITUDE | LONGITUDE | ELEV | READING | T+D | OBSV-GRAV | THEO-GRAV | FAA | BA1 | CC | TC | CBA1 | CBA2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV255 | 37 41.20 | 118 52.00 | 7179.0 | 18.50 | 0.00 | 79286.82 | 79976.70 | -14.94 | -259.79 | 1.51 | 2.66 | -258.64 | -270.51 |
| LV256 | 37 41.60 | 118 51.70 | 7143.0 | 19.50 | 0.00 | 79287.29 | 79977.28 | -18.43 | -262.05 | 1.51 | 2.65 | -260.92 | -272.72 |
| LV257 | 37 41.90 | 118 51.70 | 7191.0 | 5.80 | 0.00 | 79280.83 | 79977.72 | -20.82 | -266.08 | 1.51 | 2.65 | -264.94 | -276.83 |
| LV258 | 37 42.30 | 118 51.70 | 7268.0 | -4.60 | 0.00 | 79275.92 | 79978.30 | -19.08 | -266.96 | 1.51 | 2.82 | -265.65 | -277.66 |
| LV259 | 37 42.60 | 118 51.40 | 7167.0 | 4.80 | 0.00 | 79280.36 | 79978.73 | -24.57 | -269.01 | 1.51 | 2.81 | -267.71 | -279.55 |
| LV260 | 37 42.80 | 118 51.00 | 7120.0 | 16.10 | 0.00 | 79285.69 | 79979.03 | -23.94 | -266.78 | 1.51 | 2.84 | -265.45 | -277.21 |
| LV261 | 37 43.00 | 118 50.60 | 7032.0 | 24.70 | 0.00 | 79289.75 | 79979.32 | -28.44 | -268.28 | 1.52 | 2.46 | -267.33 | -278.97 |
| LV262 | 37 43.20 | 118 50.00 | 6967.0 | [illegible].30 | 0.00 | 79290.03 | 79979.61 | -34.56 | -272.18 | 1.52 | 2.23 | -271.46 | -283.00 |
| LV263 | 37 43.40 | 118 49.40 | 6938.0 | 29.50 | 0.00 | 79292.01 | 79979.90 | -35.59 | -272.22 | 1.52 | 2.29 | -271.45 | -282.93 |
| LV264 | 37 43.40 | 118 48.80 | 6903.0 | 31.10 | 0.00 | 79292.77 | 79979.90 | -38.13 | -273.56 | 1.52 | 2.42 | -272.66 | -284.08 |

Table 3. (continued)

OWENS VAL - LONG VAL CAL 1956 RERUN 4-67

CASA D1 HS LB2 GBV 979278.09 METER 186 READING 245.30 T+D 0.00 D1 2.67 D2 2.80

| STA | LATITUDE | LONGITUDE | ELEV | READING | T+D | OBSV-GRAV | THEO-GRAV | FAA | BA1 | CC | TC | CBA1 | CBA2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV311 | 37 39.00 | 119 0.40 | 8656.0 | -334.70 | 0.00 | 79195.99 | 79973.50 | 36.20 | -259.02 | 1.40 | 5.27 | -255.16 | -269.34 |
| LV312 | 37 39.10 | 119 1.30 | 8799.0 | -345.00 | 0.00 | 79193.46 | 79973.65 | 46.97 | -253.14 | 1.39 | 5.17 | -249.35 | -263.78 |
| LV313 | 37 39.00 | 119 2.50 | 9038.0 | -368.40 | 0.00 | 79187.72 | 79973.50 | 63.83 | -244.43 | 1.35 | 5.63 | -240.15 | -254.95 |
| LV314 | 37 39.20 | 119 3.20 | 9175.0 | -394.80 | 0.00 | 79181.25 | 79973.79 | 69.93 | -243.00 | 1.33 | 7.09 | -237.24 | -252.20 |
| LV315 | 37 40.50 | 119 4.10 | 8425.0 | -207.10 | 0.00 | 79227.29 | 79975.68 | 43.62 | -243.73 | 1.43 | 8.90 | -236.26 | -249.88 |
| LV316 | 37 40.80 | 119 4.60 | 8335.0 | -177.00 | 0.00 | 79234.67 | 79976.12 | 42.11 | -242.17 | 1.44 | 8.94 | -234.67 | -248.14 |
| LV317 | 37 40.30 | 119 4.20 | 8096.0 | -129.00 | 0.00 | 79246.45 | 79975.39 | 32.16 | -243.97 | 1.46 | 8.45 | -236.98 | -250.08 |
| LV318 | 37 39.10 | 119 4.30 | 7706.0 | -59.30 | 0.00 | 79263.54 | 79973.65 | 14.36 | -248.47 | 1.49 | 8.92 | -241.04 | -253.47 |
| LV319 | 37 37.80 | 119 4.80 | 7559.0 | -25.40 | 0.00 | 79271.86 | 79971.76 | 10.75 | -247.06 | 1.50 | 7.40 | -241.16 | -253.42 |
| LV320 | 37 48.80 | 119 3.00 | 7684.0 | 66.00 | 0.00 | 79294.50 | 79987.76 | 29.13 | -232.94 | 1.49 | 3.06 | -231.37 | -244.06 |
| LV321 | 37 50.10 | 119 4.10 | 7359.0 | 15[illegible].00 | 0.00 | 79317.09 | 79989.65 | 19.29 | -231.70 | 1.51 | 3.49 | -229.71 | -241.84 |
| LV322 | 37 51.60 | 119 5.00 | 7068.0 | 237.70 | 0.00 | 79336.40 | 79992.13 | 8.78 | -232.29 | 1.51 | 3.63 | -230.17 | -241.81 |
| LV323 | 37 53.30 | 119 4.80 | 6869.0 | 304.60 | 0.00 | 79352.81 | 79994.31 | 4.30 | -229.97 | 1.52 | 2.84 | -228.65 | -239.99 |
| LV324 | 37 54.50 | 119 3.10 | 6834.0 | 297.50 | 0.00 | 79351.07 | 79996.06 | -2.48 | -235.56 | 1.52 | 2.59 | -234.49 | -245.78 |
| LV325 | 37 54.80 | 119 2.50 | 6856.0 | 279.00 | 0.00 | 79346.53 | 79996.50 | -5.38 | -239.22 | 1.52 | 2.88 | -237.85 | -249.17 |
| LV340 | 37 32.40 | 118 38.70 | 6558.0 | 289.10 | 0.00 | 79349.01 | 79963.91 | 1.68 | -221.99 | 1.52 | 7.23 | -216.28 | -226.89 |
| LV341 | 37 43.30 | 118 42.80 | 7073.0 | 141.00 | 0.00 | 79312.68 | 79979.75 | -2.10 | -243.33 | 1.51 | 4.35 | -240.50 | -252.13 |
| LV342 | 37 43.10 | 118 44.00 | 6922.0 | 116.90 | 0.00 | 79306.77 | 79979.46 | -21.91 | -257.99 | 1.52 | 2.84 | -256.67 | -268.10 |
| LV343 | 37 43.40 | 118 44.70 | 6914.0 | 105.90 | 0.00 | 79304.07 | 79979.90 | -25.79 | -261.61 | 1.52 | 2.77 | -260.35 | -271.77 |
| LV410 | 37 44.70 | 118 58.50 | 7502.0 | 70.90 | 0.00 | 79295.48 | 79981.79 | 18.98 | -236.89 | 1.50 | 2.79 | -235.60 | -247.99 |
| LV411 | 37 45.30 | 118 58.90 | 7588.0 | 62.30 | 0.00 | 79293.37 | 79982.66 | 24.08 | -234.72 | 1.50 | 3.52 | -232.70 | -245.20 |
| LV412 | 37 45.60 | 118 59.30 | 7749.0 | 27.50 | 0.00 | 79284.84 | 79983.10 | 30.23 | -234.06 | 1.49 | 3.08 | -232.46 | -245.26 |
| LV413 | 37 45.90 | 118 59.90 | 7916.0 | -6.20 | 0.00 | 79276.57 | 79983.54 | 37.22 | -232.77 | 1.48 | 2.83 | -231.41 | -244.49 |
| LV414 | 37 46.40 | 119 0.50 | 8015.0 | -22.20 | 0.00 | 79272.64 | 79984.26 | 41.87 | -231.49 | 1.47 | 2.78 | -230.18 | -243.43 |
| LV415 | 37 46.70 | 119 1.00 | 8012.0 | -24.70 | 0.00 | 79272.03 | 79984.70 | 40.54 | -232.72 | 1.47 | 2.92 | -231.27 | -244.51 |
| LV416 | 37 47.20 | 119 1.20 | 7964.0 | -11.50 | 0.00 | 79275.27 | 79985.43 | 38.54 | -233.08 | 1.47 | 3.67 | -230.89 | -244.01 |
| LV417 | 37 47.40 | 119 1.70 | 7932.0 | 0.00 | 0.00 | 79278.09 | 79985.72 | 38.06 | -232.47 | 1.47 | 3.59 | -230.36 | -243.42 |
| LV418 | 37 47.70 | 119 2.20 | 7841.0 | 19.70 | 0.00 | 79282.92 | 79986.16 | 33.91 | -233.52 | 1.48 | 4.01 | -230.99 | -243.89 |
| LV419 | 37 48.50 | 119 2.20 | 7806.0 | 31.10 | 0.00 | 79285.72 | 79987.32 | 32.25 | -233.98 | 1.48 | 3.05 | -232.42 | -245.38 |
| LV450 | 37 41.10 | 118 52.85 | 7236.0 | 15.40 | 0.00 | 79281.87 | 79976.55 | -14.39 | -261.18 | 1.51 | 2.82 | -259.88 | -271.83 |
| LV451 | 37 41.52 | 118 53.10 | 7313.0 | -15.20 | 0.00 | 79274.36 | 79977.16 | -15.27 | -264.69 | 1.51 | 3.26 | -262.94 | -275.00 |
| LV452 | 37 41.88 | 118 53.35 | 7388.0 | -45.00 | 0.00 | 79267.05 | 79977.69 | -16.06 | -268.04 | 1.51 | 3.16 | -266.38 | -278.57 |
| LV453 | 37 42.15 | 118 53.63 | 7570.0 | -100.50 | 0.00 | 79253.44 | 79978.08 | -12.96 | -271.15 | 1.50 | 2.64 | -270.01 | -282.52 |
| LV454 | 37 42.52 | 118 53.76 | 7600.0 | -117.10 | 0.00 | 79249.37 | 79978.62 | -14.75 | -273.96 | 1.50 | 2.36 | -273.10 | -285.68 |

Table 3. (continued)

OWENS VAL - LONG VAL CAL 1955 RERUN 4-67

BM 4-JD LB3 GBV 979300.16 METER W90 READING 504.47 T+D 0.00 D1 2.67 D2 2.80

| STA | LATITUDE | LONGITUDE | ELEV | READING | T+D | OBSV-GRAV | THEO-GRAV | FAA | BA1 | CC | TC | CBA1 | CBA2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV54 | 37 39.00 | 118 34.60 | 6842.0 | 127.10 | 0.00 | 79364.28 | 79973.50 | 34.05 | -199.31 | 1.52 | 4.80 | -196.02 | -207.23 |
| LV55 | 37 38.20 | 118 34.20 | 6652.0 | 148.90 | 0.00 | 79375.28 | 79972.34 | 28.36 | -198.52 | 1.52 | 3.38 | -196.66 | -207.61 |
| LV56 | 37 38.50 | 118 33.80 | 6965.0 | 109.00 | 0.00 | 79355.15 | 79972.77 | 37.21 | -200.35 | 1.52 | 2.88 | -198.98 | -210.48 |
| LV57 | 37 38.60 | 118 33.20 | 6793.0 | 130.40 | 0.00 | 79365.94 | 79972.92 | 31.69 | -199.99 | 1.52 | 2.84 | -198.67 | -209.89 |
| LV58 | 37 38.80 | 118 32.80 | 6757.0 | 128.70 | 0.00 | 79365.09 | 79973.21 | 27.16 | -203.30 | 1.52 | 2.81 | -202.00 | -213.16 |
| LV59 | 37 38.80 | 118 32.30 | 6821.0 | 120.10 | 0.00 | 79360.75 | 79973.21 | 28.84 | -203.80 | 1.52 | 2.94 | -202.38 | -213.64 |
| LV60 | 37 39.00 | 118 31.50 | 6716.0 | 127.00 | 0.00 | 79364.23 | 79973.50 | 22.16 | -206.90 | 1.52 | 2.92 | -205.50 | -216.58 |
| LV61 | 37 39.20 | 118 31.20 | 6617.0 | 138.50 | 0.00 | 79370.03 | 79973.79 | 18.37 | -207.32 | 1.52 | 3.05 | -205.78 | -216.70 |
| LV62 | 37 39.70 | 118 30.70 | 6454.0 | 159.30 | 0.00 | 79380.52 | 79974.52 | 12.81 | -207.31 | 1.51 | 3.93 | -204.89 | -215.49 |
| LV63 | 37 39.80 | 118 30.00 | 6115.0 | 199.60 | 0.00 | 79400.85 | 79974.66 | 1.14 | -207.42 | 1.50 | 4.68 | -204.24 | -214.24 |
| LV64 | 37 39.80 | 118 29.40 | 5931.0 | 218.90 | 0.00 | 79410.59 | 79974.66 | -6.42 | -208.70 | 1.49 | 3.66 | -206.53 | -216.28 |
| LV65 | 37 39.80 | 118 28.20 | 5695.0 | 237.10 | 0.00 | 79419.77 | 79974.66 | -19.42 | -213.65 | 1.48 | 3.35 | -211.78 | -221.15 |
| LV66 | 37 37.17 | 118 23.63 | 4533.0 | 30[illegible].30 | 0.00 | 79454.17 | 79970.84 | -90.41 | -245.02 | 1.35 | 6.45 | -239.91 | -247.19 |
| LV113 | 37 38.20 | 118 47.00 | 6901.0 | -7.30 | 0.00 | 79296.48 | 79972.34 | -27.04 | -262.41 | 1.52 | 2.28 | -261.65 | -273.07 |
| LV114 | 37 38.20 | 118 46.50 | 6913.0 | 2.30 | 0.00 | 79301.32 | 79972.34 | -21.07 | -256.85 | 1.52 | 2.30 | -256.07 | -267.51 |
| LV115 | 37 38.20 | 118 45.30 | 6838.0 | 12.50 | 0.00 | 79306.47 | 79972.34 | -22.97 | -256.20 | 1.52 | 2.28 | -255.43 | -266.75 |
| LV116 | 37 38.10 | 118 44.50 | 6826.0 | 30.00 | 0.00 | 79315.29 | 79972.19 | -15.13 | -247.94 | 1.52 | 2.21 | -247.25 | -258.55 |
| LV117 | 37 37.60 | 118 44.20 | 6803.0 | 45.90 | 0.00 | 79323.32 | 79971.47 | -8.54 | -240.57 | 1.52 | 2.29 | -239.80 | -251.06 |
| LV118 | 37 41.50 | 118 43.70 | 6853.0 | 8.60 | 0.00 | 79304.50 | 79977.14 | -28.33 | -262.06 | 1.52 | 2.34 | -261.24 | -272.59 |
| LV119 | 37 41.90 | 118 43.20 | 6912.0 | 13.20 | 0.00 | 79306.82 | 79977.72 | -21.05 | -256.79 | 1.52 | 2.46 | -255.85 | -267.28 |
| LV120 | 37 42.10 | 118 42.80 | 6974.0 | 14.80 | 0.00 | 79307.63 | 79978.01 | -14.71 | -252.56 | 1.52 | 2.48 | -251.60 | -263.13 |
| LV121 | 37 42.20 | 118 42.30 | 7054.0 | 20.20 | 0.00 | 79310.35 | 79978.15 | -4.61 | -245.20 | 1.51 | 3.11 | -243.60 | -255.24 |
| LV122 | 37 42.30 | 118 41.90 | 7116.0 | 26.50 | 0.00 | 79313.53 | 79978.30 | 4.25 | -238.45 | 1.51 | 3.52 | -236.45 | -248.17 |
| LV123 | 37 42.50 | 118 41.30 | 7311.0 | 23.70 | 0.00 | 79312.12 | 79978.59 | 20.87 | -228.48 | 1.51 | 5.23 | -224.76 | -236.72 |
| LV124 | 37 42.80 | 118 40.80 | 7528.0 | 4.20 | 0.00 | 79302.28 | 79979.03 | 30.99 | -225.77 | 1.50 | 6.17 | -221.10 | -233.37 |
| LV125 | 37 38.40 | 118 43.10 | 6865.0 | 45.60 | 0.00 | 79323.16 | 79972.63 | -4.03 | -238.17 | 1.52 | 2.18 | -237.51 | -248.88 |
| LV126 | 37 38.50 | 118 42.50 | 6949.0 | 45.20 | 0.00 | 79322.96 | 79972.77 | 3.52 | -233.49 | 1.52 | 2.25 | -232.76 | -244.26 |
| LV127 | 37 39.20 | 118 42.80 | 6983.0 | 15.50 | 0.00 | 79307.98 | 79973.79 | -9.29 | -247.46 | 1.52 | 2.07 | -246.90 | -258.47 |
| LV128 | 37 39.70 | 118 42.80 | 6962.0 | 11.20 | 0.00 | 79305.81 | 79974.52 | -14.16 | -251.61 | 1.52 | 2.09 | -251.03 | -262.57 |
| LV129 | 37 40.30 | 118 42.70 | 6973.0 | 10.20 | 0.00 | 79305.31 | 79975.39 | -14.50 | -252.33 | 1.52 | 2.09 | -251.75 | -263.30 |
| LV130 | 37 40.70 | 118 42.30 | 6988.0 | 15.20 | 0.00 | 79307.83 | 79975.97 | -11.15 | -249.49 | 1.52 | 2.26 | -248.74 | -260.31 |
| LV131 | 37 41.00 | 118 42.10 | 6996.0 | 23.60 | 0.00 | 79312.07 | 79976.41 | -6.60 | -245.21 | 1.52 | 2.38 | -244.34 | -255.92 |
| LV132 | 37 41.90 | 118 41.70 | 7079.0 | 29.80 | 0.00 | 79315.19 | 79977.72 | 3.02 | -238.42 | 1.51 | 3.03 | -236.91 | -248.59 |
| LV133 | 37 41.40 | 118 41.90 | 7022.0 | 26.80 | 0.00 | 79313.68 | 79976.99 | -3.12 | -242.62 | 1.52 | 2.71 | -241.42 | -253.03 |
| LV134 | 37 37.80 | 118 39.30 | 7575.0 | 4.10 | 0.00 | 79302.23 | 79971.76 | 42.62 | -215.73 | 1.50 | 2.53 | -214.70 | -227.23 |
| LV135 | 37 37.60 | 118 38.80 | 7587.0 | 5.90 | 0.00 | 79303.14 | 79971.47 | 44.95 | -213.82 | 1.50 | 2.57 | -212.74 | -225.29 |
| LV136 | 37 37.30 | 118 38.30 | 7449.0 | 25.20 | 0.00 | 79312.87 | 79971.03 | 42.16 | -211.90 | 1.50 | 2.43 | -210.98 | -223.30 |
| LV137 | 37 36.90 | 118 37.80 | 7369.0 | 33.60 | 0.00 | 79317.11 | 79970.45 | 39.46 | -211.87 | 1.51 | 2.39 | -210.9[illegible] | -223.18 |
| LV138 | 37 36.60 | 118 37.60 | 7369.0 | 31.60 | 0.00 | 79316.10 | 79970.01 | 38.88 | -212.45 | 1.51 | 2.38 | -211.57 | -223.77 |
| LV139 | 37 35.00 | 118 33.90 | 7006.0 | 66.00 | 0.00 | 79333.46 | 79967.69 | 24.45 | -214.50 | 1.52 | 2.85 | -213.16 | -224.73 |
| LV140 | 37 36.00 | 118 37.40 | 7265.0 | 34.90 | 0.00 | 79317.77 | 79969.14 | 31.65 | -216.14 | 1.51 | 2.30 | -215.35 | -227.37 |
| LV141 | 37 35.70 | 118 36.40 | 7188.0 | 47.70 | 0.00 | 79324.22 | 79968.70 | 31.31 | -213.85 | 1.51 | 2.36 | -213.00 | -224.90 |
| LV142 | 37 35.50 | 118 35.40 | 7153.0 | 54.40 | 0.00 | 79327.60 | 79968.41 | 31.69 | -212.28 | 1.51 | 2.58 | -211.21 | -223.04 |
| LV143 | 37 35.10 | 118 34.60 | 7008.0 | 63.60 | 0.00 | 79332.24 | 79967.83 | 23.28 | -215.73 | 1.52 | 2.52 | -214.73 | -226.32 |
| LV144 | 37 34.20 | 118 34.00 | 6898.0 | 63.70 | 0.00 | 79332.29 | 79966.53 | 14.31 | -220.96 | 1.52 | 3.04 | -219.44 | -230.82 |
| LV145 | 37 33.80 | 118 33.80 | 6776.0 | 74.90 | 0.00 | 79337.94 | 79965.94 | 9.07 | -222.03 | 1.52 | 3.24 | -220.31 | -231.48 |
| LV146 | 37 33.30 | 118 33.70 | 6636.0 | 90.90 | 0.00 | 79346.02 | 79965.22 | 4.71 | -221.62 | 1.52 | 3.42 | -219.71 | -230.64 |
| LV147 | 37 32.70 | 118 33.60 | 6496.0 | 110.00 | 0.00 | 79[illegible].65 | 79964.35 | 2.06 | -219.49 | 1.51 | 3.34 | -217.67 | -228.36 |
| LV148 | 37 32.20 | 118 33.30 | 6422.0 | 128.00 | 0.00 | 79[illegible].73 | 79963.62 | 4.92 | -214.12 | 1.51 | 3.58 | -212.[illegible] | -222.61 |

Table 3. (continued)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV149 | 37 31.80 | 118 32.70 | 5966.0 | 149.60 | 0.00 | 79375.63 | 79963.04 | -26.46 | -229.94 | 1.49 | 3.37 | -228.07 | -237.88 |
| LV150 | 37 31.50 | 118 32.30 | 5690.0 | 207.30 | 0.00 | 79404.74 | 79962.60 | -22.86 | -216.92 | 1.48 | 3.05 | -215.35 | -224.72 |
| LV151 | 37 31.10 | 118 31.70 | 5458.0 | 230.40 | 0.00 | 79416.39 | 79962.02 | -32.43 | -218.58 | 1.46 | 2.81 | -217.23 | -226.23 |
| LV152 | 37 30.70 | 118 31.00 | 5302.0 | 244.90 | 0.00 | 79423.70 | 79961.44 | -39.20 | -220.03 | 1.44 | 2.41 | -219.06 | -227.82 |
| LV153 | 37 30.20 | 118 30.30 | 5124.0 | 262.50 | 0.00 | 79432.58 | 79960.72 | -46.32 | -221.09 | 1.42 | 2.14 | -220.37 | -228.84 |
| LV154 | 37 37.50 | 118 39.90 | 7519.0 | -0.10 | 0.00 | 79300.11 | 79971.32 | 35.68 | -220.77 | 1.50 | 2.38 | -219.89 | -232.33 |
| LV155 | 37 36.60 | 118 39.50 | 7448.0 | 0.50 | 0.00 | 79300.41 | 79970.01 | 30.62 | -223.41 | 1.50 | 2.31 | -222.60 | -234.93 |
| LV156 | 37 36.50 | 118 40.70 | 7303.0 | 4.60 | 0.00 | 79302.48 | 79969.87 | 19.21 | -229.87 | 1.51 | 2.57 | -228.81 | -240.89 |
| LV157 | 37 35.40 | 118 40.40 | 7089.0 | 30.30 | 0.00 | 79315.45 | 79968.27 | 13.66 | -228.12 | 1.51 | 2.80 | -226.83 | -238.54 |
| LV158 | 37 35.40 | 118 39.70 | 7267.0 | 18.80 | 0.00 | 79309.64 | 79968.27 | 24.59 | -223.27 | 1.51 | 2.85 | -221.93 | -233.93 |
| LV159 | 37 35.30 | 118 43.40 | 6795.0 | 51.40 | 0.00 | 79326.09 | 79968.12 | -3.18 | -234.93 | 1.52 | 3.49 | -232.96 | -244.15 |
| LV160 | 37 35.80 | 118 43.40 | 6833.0 | 46.60 | 0.00 | 79323.67 | 79968.85 | -2.75 | -235.80 | 1.52 | 3.22 | -234.10 | -245.36 |
| LV161 | 37 39.50 | 118 42.40 | 7028.0 | 18.10 | 0.00 | 79309.29 | 79974.23 | -4.18 | -243.89 | 1.52 | 2.14 | -243.26 | -254.98 |
| LV162 | 37 39.80 | 118 41.70 | 7137.0 | 24.40 | 0.00 | 79312.47 | 79974.66 | 8.80 | -234.62 | 1.51 | 2.18 | -233.95 | -245.77 |
| LV163 | 37 39.90 | 118 40.80 | 7252.0 | 38.70 | 0.00 | 79319.68 | 79974.81 | 26.67 | -220.67 | 1.51 | 2.33 | -219.85 | -231.85 |
| LV164 | 37 40.20 | 118 40.50 | 7339.0 | -2.50 | 0.00 | 79321.60 | 79975.24 | 36.33 | -213.98 | 1.51 | 2.65 | -212.84 | -224.97 |
| LV165 | 37 40.44 | 118 39.90 | 7448.0 | 35.20 | 0.00 | 79317.92 | 79975.59 | 42.54 | -211.49 | 1.50 | 2.96 | -210.03 | -222.33 |
| LV166 | 37 40.70 | 118 39.10 | 7722.0 | 3.90 | 0.00 | 79302.13 | 79975.97 | 52.12 | -211.25 | 1.49 | 3.29 | -209.45 | -222.19 |
| LV167 | 37 40.50 | 118 38.20 | 7828.0 | -3.90 | 0.00 | 79298.19 | 79975.68 | 58.43 | -208.55 | 1.48 | 2.94 | -207.09 | -220.02 |
| LV168 | 37 40.30 | 118 37.60 | 7626.0 | 23.80 | 0.00 | 79312.17 | 79975.39 | 53.72 | -206.38 | 1.49 | 3.30 | -204.57 | -217.15 |
| LV169 | 37 40.10 | 118 37.00 | 7355.0 | 56.60 | 0.00 | 79328.71 | 79975.10 | 45.09 | -205.76 | 1.51 | 3.08 | -204.19 | -216.33 |
| LV170 | 37 39.80 | 118 36.20 | 7135.0 | 87.00 | 0.00 | 79344.05 | 79974.66 | 40.19 | -203.16 | 1.51 | 2.65 | -202.02 | -213.82 |
| LV171 | 37 41.10 | 118 37.90 | 7989.0 | -27.50 | 0.00 | 79286.29 | 79976.55 | 60.78 | -211.69 | 1.47 | 3.10 | -210.06 | -223.25 |
| LV172 | 37 41.50 | 118 37.60 | 7804.0 | 2.10 | 0.00 | 79301.22 | 79977.14 | 57.75 | -208.42 | 1.48 | 3.13 | -206.77 | -219.65 |
| LV173 | 37 41.90 | 118 37.70 | 7873.0 | -5.90 | 0.00 | 79297.18 | 79977.72 | 59.62 | -208.90 | 1.48 | 3.70 | -206.68 | -219.65 |
| LV174 | 37 42.50 | 118 37.60 | 8005.0 | -24.10 | 0.00 | 79288.00 | 79978.59 | 61.97 | -211.06 | 1.47 | 4.46 | -208.07 | -221.21 |
| LV175 | 37 42.90 | 118 37.90 | 8152.0 | -46.40 | 0.00 | 79276.75 | 79979.17 | 63.95 | -214.09 | 1.46 | 5.36 | -210.19 | -223.54 |
| LV176 | 37 43.20 | 118 38.60 | 8494.0 | -90.40 | 0.00 | 79254.56 | 79979.61 | 73.44 | -216.26 | 1.42 | 6.89 | -210.79 | -224.63 |
| LV177 | 37 39.30 | 118 54.50 | 7461.0 | -67.30 | 0.00 | 79266.21 | 79973.94 | -6.29 | -260.76 | 1.50 | 2.96 | -259.30 | -271.62 |
| LV178 | 37 39.90 | 118 54.10 | 7636.0 | -94.90 | 0.00 | 79252.29 | 79974.81 | -4.64 | -265.08 | 1.49 | 2.65 | -263.92 | -276.55 |
| LV179 | 37 40.50 | 118 53.90 | 7654.0 | -95.10 | 0.00 | 79252.18 | 79975.68 | -3.92 | -264.97 | 1.49 | 2.87 | -263.60 | -276.24 |
| LV180 | 37 41.20 | 118 50.60 | 7109.0 | -25.70 | 0.00 | 79287.20 | 79976.70 | -21.14 | -263.61 | 1.51 | 2.16 | -262.96 | -274.73 |
| LV181 | 37 40.90 | 118 50.00 | 7028.0 | -19.80 | 0.00 | 79290.17 | 79976.26 | -25.34 | -265.04 | 1.52 | 2.19 | -264.37 | -276.00 |
| LV182 | 37 40.70 | 118 49.30 | 6928.0 | -14.00 | 0.00 | 79293.10 | 79975.97 | -31.52 | -267.81 | 1.52 | 2.10 | -267.23 | -278.70 |
| LV183 | 37 42.40 | 118 45.90 | 6845.0 | -3.80 | 0.00 | 79298.24 | 79978.44 | -36.65 | -270.11 | 1.52 | 2.08 | -269.54 | -280.88 |
| LV184 | 37 43.00 | 118 46.30 | 6856.0 | -4.50 | 0.00 | 79297.89 | 79979.32 | -36.84 | -270.67 | 1.52 | 2.19 | -270.00 | -281.35 |
| LV185 | 37 43.50 | 118 46.80 | 6871.0 | -5.60 | 0.00 | 79297.33 | 79980.04 | -36.71 | -271.06 | 1.52 | 2.24 | -270.34 | -281.71 |
| LV186 | 37 44.00 | 118 46.20 | 6925.0 | 1.20 | 0.00 | 79300.77 | 79980.77 | -28.93 | -265.12 | 1.52 | 2.81 | -263.83 | -275.27 |
| LV187 | 37 44.30 | 118 45.70 | 7014.0 | 7.80 | 0.00 | 79304.09 | 79981.21 | -17.68 | -256.90 | 1.52 | 3.19 | -255.23 | -266.79 |
| LV188 | 37 44.60 | 118 45.20 | 7155.0 | 6.80 | 0.00 | 79303.59 | 79981.64 | -5.37 | -249.40 | 1.51 | 4.02 | -246.90 | -258.66 |
| LV189 | 37 44.90 | 118 44.80 | 7356.0 | -6.00 | 0.00 | 79297.13 | 79982.08 | 6.62 | -244.26 | 1.51 | 5.43 | -240.34 | -252.37 |
| LV190 | 37 45.30 | 118 44.50 | 7561.0 | -25.80 | 0.00 | 79287.14 | 79982.66 | 15.32 | -242.56 | 1.50 | 6.35 | -237.71 | -250.03 |
| LV191 | 37 44.70 | 118 43.90 | 7577.0 | -28.00 | 0.00 | 79286.03 | 79981.79 | 16.58 | -241.84 | 1.50 | 5.36 | -237.98 | -250.38 |
| LV192 | 37 44.20 | 118 47.80 | 6898.0 | -4.60 | 0.00 | 79297.84 | 79981.06 | -34.69 | -269.96 | 1.52 | 2.79 | -268.68 | -280.08 |
| LV193 | 37 38.50 | 118 50.30 | 7075.0 | -23.80 | 0.00 | 79288.15 | 79972.77 | -19.45 | -260.76 | 1.51 | 2.74 | -259.53 | -271.22 |
| LV194 | 37 37.30 | 118 49.60 | 7060.0 | -19.20 | 0.00 | 79290.47 | 79971.03 | -16.80 | -257.59 | 1.51 | 4.15 | -254.95 | -266.55 |

Table 3. (continued)

OWENS VAL - LONG VAL CAL 1957 RERUN 4-67

CLADWP LB6 GBV 979321.80 METER 186 READING 245.30 T+D 0.00 D1 2.67 D2 2.80

| STA | LATITUDE | LONGITUDE | ELEV | READING | T+D | OBSV-GRAV | THEO-GRAV | FAA | BA1 | CC | TC | CBA1 | CBA2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LV254 | 37 47.80 | 119 0.10 | 7967.0 | -159.80 | 0.00 | 79282.60 | 79986.30 | 45.28 | -226.45 | 1.47 | 2.45 | -225.47 | -238.65 |
| LV265 | 37 48.00 | 118 59.60 | 8002.0 | -147.60 | 0.00 | 79285.59 | 79986.59 | 51.27 | -221.65 | 1.47 | 2.49 | -220.63 | -233.87 |
| LV266 | 37 48.40 | 118 59.30 | 7992.0 | -143.60 | 0.00 | 79286.57 | 79987.17 | 50.73 | -221.85 | 1.47 | 2.58 | -220.74 | -233.96 |
| LV272 | 37 48.70 | 118 59.00 | 7990.0 | -157.30 | 0.00 | 79283.21 | 79987.61 | 46.74 | -225.77 | 1.47 | 2.45 | -224.79 | -238.01 |
| LV326 | 37 55.40 | 119 1.60 | 6706.0 | 107.60 | 0.00 | 79348.19 | 79997.37 | -18.69 | -247.41 | 1.52 | 2.93 | -245.99 | -257.06 |
| LV327 | 37 54.60 | 118 59.50 | 6880.0 | 62.80 | 0.00 | 79337.20 | 79996.20 | -12.16 | -246.81 | 1.52 | 3.09 | -245.24 | -256.59 |
| LV328 | 37 47.00 | 119 0.10 | 7964.0 | -171.20 | 0.00 | 79279.80 | 79985.14 | 43.37 | -228.26 | 1.47 | 2.45 | -227.28 | -240.46 |
| LV329 | 37 55.00 | 119 5.50 | 6832.0 | 174.10 | 0.00 | 79364.51 | 79996.79 | 10.05 | -222.97 | 1.52 | 3.44 | -221.05 | -232.30 |
| LV330 | 37 55.30 | 119 4.60 | 6735.0 | 173.50 | 0.00 | 79364.36 | 79997.22 | 0.35 | -229.36 | 1.52 | 3.14 | -227.74 | -238.84 |
| LV331 | 37 56.70 | 119 3.20 | 6445.0 | 166.80 | 0.00 | 79362.72 | 79999.27 | -30.59 | -250.41 | 1.51 | 2.48 | -249.44 | -260.09 |
| LV332 | 37 56.50 | 119 5.80 | 6788.0 | 171.90 | 0.00 | 79363.97 | 79998.97 | 3.19 | -228.33 | 1.52 | 4.22 | -225.63 | -236.77 |
| LV333 | 37 58.30 | 119 7.70 | 6493.0 | [illegible].70 | 0.00 | 79377.16 | 80001.60 | -13.96 | -235.42 | 1.51 | 13.30 | -223.63 | -233.84 |
| LV334 | 37 59.40 | 119 8.30 | 6461.0 | 245.20 | 0.00 | 79381.95 | 80003.20 | -15.79 | -234.15 | 1.51 | 10.72 | -224.95 | -235.23 |
| LV335 | 37 57.00 | 119 6.70 | 6781.0 | 177.00 | 0.00 | 79365.22 | 79999.70 | 3.05 | -228.23 | 1.52 | 6.26 | -223.48 | -234.51 |
| LV336 | 37 56.30 | 119 7.80 | 7175.0 | 101.10 | 0.00 | 79346.60 | 79998.68 | 22.48 | -222.24 | 1.51 | 5.93 | -217.82 | -229.52 |
| LV337 | 37 55.80 | 119 9.60 | 7384.0 | 27.40 | 0.00 | 79328.52 | 79997.95 | 24.77 | -227.08 | 1.51 | 12.88 | -215.70 | -227.41 |
| LV338 | 37 54.00 | 119 6.10 | 6860.0 | 160.70 | 0.00 | 79361.22 | 79995.33 | 10.85 | -223.12 | 1.52 | 4.19 | -220.45 | -231.71 |
| LV339 | 37 49.20 | 119 3.40 | 7629.0 | -92.00 | 0.00 | 79299.23 | 79988.34 | 28.11 | -232.08 | 1.49 | 3.40 | -230.18 | -242.75 |
| LV409 | 37 48.80 | 118 58.30 | 8005.0 | -162.80 | 0.00 | 79281.87 | 79987.76 | 46.66 | -226.36 | 1.47 | 2.43 | -225.40 | -238.65 |
| LV420 | 37 53.70 | 118 49.70 | 7693.0 | -24.40 | 0.00 | 79315.81 | 79994.89 | 44.16 | -218.23 | 1.49 | 2.53 | -217.19 | -229.91 |
| LV421 | 37 53.90 | 118 50.10 | 7830.0 | -56.80 | 0.00 | 79307.87 | 79995.18 | 48.79 | -218.27 | 1.48 | 2.27 | -217.48 | -230.44 |
| LV422 | 37 53.60 | 118 50.30 | 7968.0 | -82.30 | 0.00 | 79301.61 | 79994.75 | 55.94 | -215.82 | 1.47 | 2.70 | -214.60 | -227.77 |
| LV423 | 37 53.60 | 118 50.70 | 8066.0 | -98.50 | 0.00 | 79297.64 | 79994.75 | 61.17 | -213.93 | 1.46 | 2.47 | -212.93 | -226.27 |
| LV424 | 37 53.50 | 118 51.20 | 8095.0 | -106.10 | 0.00 | 79295.77 | 79994.60 | 62.18 | -213.92 | 1.46 | 2.55 | -212.83 | -226.22 |
| LV425 | 37 53.30 | 118 51.80 | 8070.0 | -115.00 | 0.00 | 79293.59 | 79994.31 | 57.94 | -217.30 | 1.46 | 2.44 | -216.33 | -229.68 |
| LV426 | 37 53.10 | 118 52.40 | 7939.0 | -94.90 | 0.00 | 79298.52 | 79994.02 | 50.85 | -219.92 | 1.47 | 2.17 | -219.23 | -232.38 |
| LV427 | 37 52.70 | 118 52.90 | 7877.0 | -92.20 | 0.00 | 79299.18 | 79993.44 | 46.27 | -222.39 | 1.48 | 2.19 | -221.68 | -234.72 |
| LV428 | 37 52.30 | 118 53.30 | 7855.0 | -103.80 | 0.00 | 79296.34 | 79992.85 | 41.94 | -225.97 | 1.48 | 2.20 | -225.25 | -238.26 |
| LV429 | 37 51.90 | 118 53.80 | 7844.0 | -111.20 | 0.00 | 79294.52 | 79992.27 | 39.67 | -227.86 | 1.48 | 2.33 | -227.01 | -239.99 |
| LV430 | 37 52.00 | 118 54.50 | 7892.0 | -122.80 | 0.00 | 79291.68 | 79992.42 | 41.19 | -227.98 | 1.48 | 2.25 | -227.20 | -240.27 |
| LV431 | 37 52.30 | 118 54.80 | 7923.0 | -120.40 | 0.00 | 79292.27 | 79992.85 | 44.26 | -225.97 | 1.48 | 2.40 | -225.05 | -238.16 |
| LV432 | 37 52.50 | 118 55.30 | 7768.0 | -72.10 | 0.00 | 79304.11 | 79993.15 | 41.25 | -223.69 | 1.49 | 2.24 | -222.94 | -235.80 |
| LV433 | 37 52.80 | 118 56.00 | 7575.0 | -35.20 | 0.00 | 79313.17 | 79993.58 | 31.73 | -226.63 | 1.50 | 2.12 | -226.00 | -238.55 |
| LV434 | 37 52.90 | 118 56.60 | 7469.0 | -23.10 | 0.00 | 79316.13 | 79993.73 | 24.59 | -230.15 | 1.50 | 2.09 | -229.56 | -241.94 |
| LV435 | 37 48.50 | 118 57.60 | 8044.0 | -170.60 | 0.00 | 79279.95 | 79987.32 | 48.85 | -225.51 | 1.47 | 2.32 | -224.55 | -237.97 |
| LV436 | 37 48.30 | 118 57.00 | 8094.0 | -201.00 | 0.00 | 79272.49 | 79987.03 | 46.38 | -229.68 | 1.46 | 2.31 | -228.83 | -242.23 |
| LV437 | 37 48.40 | 118 56.40 | 8087.0 | -206.20 | 0.00 | 79271.22 | 79987.17 | 44.30 | -231.52 | 1.46 | 2.30 | -230.68 | -244.07 |
| LV438 | 37 48.50 | 118 55.80 | 8097.0 | -214.20 | 0.00 | 79269.26 | 79987.32 | 43.13 | -233.03 | 1.46 | 2.48 | -232.01 | -245.41 |
| LV439 | 37 48.70 | 118 55.40 | 8139.0 | -223.10 | 0.00 | 79267.07 | 79987.61 | 44.60 | -232.99 | 1.46 | 2.47 | -231.98 | -245.45 |
| LV440 | 37 49.10 | 118 55.50 | 8095.0 | -210.00 | 0.00 | 79270.29 | 79988.19 | 43.10 | -232.99 | 1.46 | 2.55 | -231.91 | -245.29 |
| LV441 | 37 59.60 | 118 55.60 | 8021.0 | -191.00 | 0.00 | 79274.95 | 80003.49 | 25.51 | -248.06 | 1.47 | 2.37 | -247.16 | -260.44 |
| LV442 | 37 50.20 | 118 55.60 | 8020.0 | -185.10 | 0.00 | 79276.39 | 79989.80 | 40.56 | -232.98 | 1.47 | 2.21 | -232.23 | -245.52 |
| LV443 | 37 50.60 | 118 55.70 | 7914.0 | -154.70 | 0.00 | 79283.85 | 79990.38 | 37.47 | -232.45 | 1.48 | 2.21 | -231.71 | -244.82 |
| LV444 | 37 51.00 | 118 56.00 | 7863.0 | -136.00 | 0.00 | 79288.44 | 79990.96 | 36.69 | -231.49 | 1.48 | 2.10 | -230.87 | -243.90 |
| LV445 | 37 51.40 | 118 56.30 | 7810.0 | -117.30 | 0.00 | 79293.03 | 79991.54 | 35.71 | -230.66 | 1.48 | 2.06 | -230.08 | -243.03 |
| LV446 | 37 51.90 | 118 56.50 | 7710.0 | -90.10 | 0.00 | 79299.70 | 79992.27 | 32.26 | -230.70 | 1.49 | 2.09 | -230.10 | -242.88 |
| LV447 | 37 52.30 | 118 56.80 | 7628.0 | -69.40 | 0.00 | 04.78 | 79992.85 | 29.05 | -231.12 | 1.49 | 2.07 | -230.54 | -243.18 |
| LV448 | 37 52.70 | 118 57.00 | 7513.0 | -38.90 | 0.00 | 79312.26 | 79993.44 | 25.14 | -231.10 | 1.50 | 2.13 | -2[illegible]17 | -242.92 |
| LV449 | 37 53.20 | 118 57.30 | 7403.0 | -11.90 | 0.00 | 79318.88 | 79994.16 | 20.70 | -231.79 | 1.51 | 2.25 | -23[illegible].04 | -243.30 |

Table 3. (continued)

LONG VALLEY CAL 19

GBV 0.00 METER WOR READING 0.00 T+D 0.00 D1 2.67 D2 2.50

| STA | LATITUDE | LONGITUDE | ELEV | READING | T+D | OBSV-GRAV | THEO-GRAV | FAA | BA1 | CC | TC | CBA1 | CBA2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO357 | 37 30.46 | 118 36.80 | 6000.0 | -177.00 | 0.00 | 979372.66 | 979561.10 | -24.09 | -228.73 | 1.50 | 0.00 | -230.23 | -217.10 |
| MB450 | 37 58.50 | 119 6.00 | 6406.0 | 88.50 | 0.00 | 979370.77 | 980001.89 | -28.83 | -247.32 | 1.52 | 4.63 | -244.20 | -230.49 |
| MB451 | 37 56.90 | 119 4.50 | 6408.0 | 92.20 | 0.00 | 979372.81 | 979999.56 | -24.27 | -242.82 | 1.52 | 3.89 | -240.45 | -226.68 |
| MB452 | 37 56.40 | 119 2.00 | 6407.0 | 73.80 | 0.00 | 979362.63 | 979998.83 | -33.81 | -252.33 | 1.52 | 2.53 | -251.32 | -237.47 |
| MB453 | 37 56.30 | 119 1.00 | 6407.0 | 74.30 | 0.00 | 979362.91 | 979998.69 | -33.39 | -251.91 | 1.52 | 2.32 | -251.10 | -237.24 |
| MB454 | 37 56.50 | 119 0.00 | 6407.0 | 74.00 | 0.00 | 979362.74 | 979998.98 | -33.85 | -252.37 | 1.52 | 2.18 | -251.70 | -237.84 |
| MB455 | 37 56.80 | 118 58.70 | 6406.0 | 81.20 | 0.00 | 979366.73 | 979999.42 | -30.39 | -248.88 | 1.52 | 2.04 | -248.35 | -234.47 |
| MB456 | 37 57.30 | 118 57.40 | 6407.0 | 88.80 | 0.00 | 979370.93 | 980000.14 | -26.83 | -245.35 | 1.52 | 1.99 | -244.87 | -230.99 |
| MB457 | 37 58.10 | 118 55.60 | 6412.0 | 100.60 | 0.00 | 979377.46 | 980001.31 | -20.99 | -239.68 | 1.52 | 1.99 | -239.21 | -225.31 |
| MB458 | 37 57.80 | 118 56.50 | 6407.0 | 92.40 | 0.00 | 979372.92 | 980000.87 | -25.56 | -244.09 | 1.52 | 1.87 | -243.73 | -229.86 |
| MB459 | 37 58.50 | 118 55.30 | 6410.0 | 111.60 | 0.00 | 979383.55 | 980001.89 | -15.67 | -234.30 | 1.52 | 1.71 | -234.10 | -220.19 |
| MB460 | 37 59.60 | 118 53.80 | 6411.0 | 128.80 | 0.00 | 979393.07 | 980003.50 | -7.66 | -226.32 | 1.52 | 1.54 | -226.29 | -212.37 |
| MB485 | 37 59.70 | 119 2.60 | 6405.0 | -46.10 | 0.00 | 979356.72 | 980003.64 | -44.72 | -263.18 | 1.52 | 2.13 | -262.56 | -248.65 |
| MB486 | 37 58.90 | 119 2.00 | 6405.0 | -47.80 | 0.00 | 979355.78 | 980002.48 | -44.50 | -262.95 | 1.52 | 2.07 | -262.39 | -248.52 |
| MB487 | 37 59.70 | 119 1.00 | 6406.0 | -34.60 | 0.00 | 979363.09 | 980003.64 | -38.26 | -256.75 | 1.52 | 1.93 | -256.33 | -242.44 |
| MB508 | 37 55.20 | 118 41.90 | 6575.0 | 114.50 | 0.00 | 979385.15 | 979997.08 | 6.25 | -218.01 | 1.52 | 1.61 | -217.91 | -203.[illegible] |
| MB509 | 37 56.60 | 118 40.90 | 6515.0 | 105.20 | 0.00 | 979380.01 | 979999.12 | -6.58 | -228.78 | 1.52 | 1.30 | -228.93 | -214.[illegible] |
| MB510 | 37 57.60 | 118 42.30 | 6524.0 | 123.20 | 0.00 | 979389.97 | 980000.58 | 2.78 | -219.74 | 1.52 | 1.64 | -219.61 | -205.[illegible] |
| MB511 | 37 58.80 | 118 43.60 | 6743.0 | 102.30 | 0.00 | 979376.40 | 980002.33 | 10.04 | -219.95 | 1.52 | 2.38 | -219.08 | -204.50 |
| MB512 | 37 59.20 | 118 44.20 | 6981.0 | 72.70 | 0.00 | 979362.02 | 980002.91 | 15.44 | -222.66 | 1.52 | 1.51 | -222.67 | -207.51 |
| MB518 | 37 50.30 | 118 35.70 | 6664.0 | 102.50 | 0.00 | 979378.51 | 979989.95 | 15.12 | -212.18 | 1.52 | 2.89 | -210.81 | -196.42 |
| MB519 | 37 48.60 | 118 34.80 | 6457.0 | 114.20 | 0.00 | 979384.99 | 979987.47 | 4.62 | -215.62 | 1.52 | 3.48 | -213.65 | -199.75 |
| MB520 | 37 51.80 | 118 36.50 | 6714.0 | 104.70 | 0.00 | 979379.73 | 979992.13 | 18.85 | -210.15 | 1.52 | 1.85 | -209.82 | -196.26 |
| MB521 | 37 53.20 | 118 37.90 | 6642.0 | 114.40 | 0.00 | 979385.10 | 979994.17 | 15.41 | -211.13 | 1.52 | 1.51 | -211.14 | -196.71 |
| MB522 | 37 55.00 | 118 42.50 | 6732.0 | 98.20 | 0.00 | 979376.13 | 979996.79 | 12.28 | -217.34 | 1.52 | 1.63 | -217.22 | -202.61 |
| MB523 | 37 54.50 | 118 43.80 | 7059.0 | 59.90 | 0.00 | 979354.94 | 979996.50 | 22.11 | -218.66 | 1.52 | 2.05 | -218.12 | -202.84 |
| MB524 | 37 53.50 | 118 47.80 | 7400.0 | 23.40 | 0.00 | 979334.75 | 979994.61 | 35.86 | -216.54 | 1.51 | 2.09 | -215.96 | -198.93 |
| MB525 | 37 51.60 | 118 56.40 | 7723.0 | -42.80 | 0.00 | 979298.12 | 979991.84 | 32.34 | -231.07 | 1.49 | 2.08 | -230.48 | -213.75 |
| MB526 | 37 50.00 | 118 55.60 | 8021.0 | -82.40 | 0.00 | 979276.21 | 979989.51 | 40.76 | -232.81 | 1.47 | 2.22 | -232.06 | -214.69 |
| MB527 | 37 48.90 | 118 55.40 | 8113.0 | -95.00 | 0.00 | 979269.24 | 979987.91 | 44.04 | -232.68 | 1.47 | 2.51 | -231.63 | -214.08 |
| MB528 | 37 48.20 | 118 57.20 | 8079.0 | -88.10 | 0.00 | 979273.05 | 979986.89 | 45.67 | -229.88 | 1.47 | 2.32 | -229.03 | -211.54 |
| MB529 | 37 48.80 | 118 58.80 | 7940.0 | -68.60 | 0.00 | 979283.84 | 979987.76 | 42.53 | -228.28 | 1.48 | 2.44 | -227.32 | -210.14 |
| MB530 | 37 47.80 | 119 0.00 | 7964.0 | -71.40 | 0.00 | 979282.29 | 979986.31 | 44.69 | -226.94 | 1.48 | 2.47 | -225.94 | -208.71 |
| MB531 | 37 46.80 | 119 0.30 | 7991.0 | -80.00 | 0.00 | 979277.54 | 979984.85 | 43.94 | -228.62 | 1.48 | 2.48 | -227.61 | -210.32 |

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