

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Gravity Survey in Parts of Maricopa and
Pinal Counties. Arizona

by

Jerry H. Hassemer and Danny Dansereau

Open-File Report 80-1255
1980

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Introduction

At the request of and supported by the U.S. Water and Power Resources Service, seismic and gravity surveys were conducted by the U.S. Geological Survey along parts of the Salt-Gila Division of the Central Arizona Project (CAP) aqueduct between Apache Junction and Eloy, Arizona. This report presents the results of the gravity surveys. Figure 1 shows the outline of the gravity survey area.

Data Collection and Reduction

During 1978 and 1979, 1,236 gravity stations were measured by the authors within the hatched area shown on Figure 1. A Worden Master gravimeter having

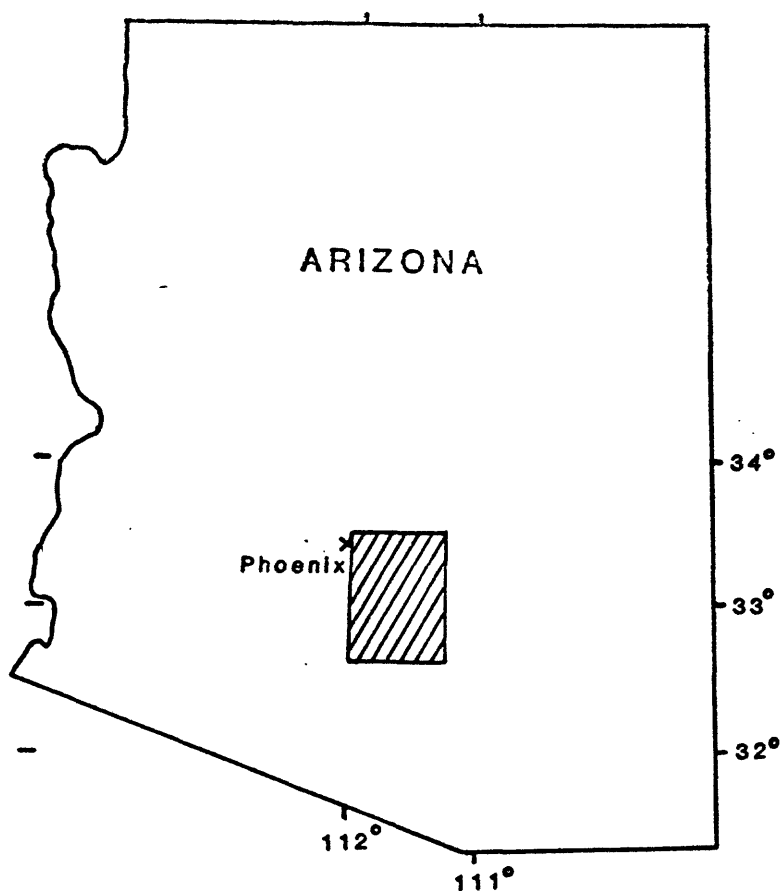


Figure 1. Hatched rectangle shows area covered by the gravity survey discussed in this report.

a dial constant of 0.0756 milligal per division was used in establishing stations H0001 through H0476 in 1978. Another Worden Master gravimeter with a dial constant of 0.0882 was used for measuring stations H0477 through H1016 in January 1979. In May 1979, LaCoste and Romberg gravimeter G-2 was used to measure the remaining stations.

The gravity values are referenced to two ACIC base stations in Arizona, one at the Phoenix Airport (ACIC code number 0456-0) with an observed gravity value of 979476.38, and the other at Florence (ACIC code number 3213-1) with an observed gravity of 979393.50. These are 1971 values given by the Defense Mapping Agency Aerospace Center (1974).

Elevations for stations H0001 through H0465 and H0630 through H0672 were determined using direct leveling by a survey party from the Phoenix office of the U.S. Water and Power Resources Service (Mansfield, Chief of Party) and are considered accurate to 0.06 meters (0.2 ft). Elevations for the other stations were taken from existing 7.5 minute U.S. Geological Survey quadrangle maps. Gravity terrain corrections were made using a computer program written by R. H. Godson, U.S. Geological Survey, using Plouff's method (Plouff, 1977). Terrain corrections were made to a distance of 166.7 kilometers from each station based on a density value of 2.67 g/cm^3 . Most of these corrections are small negative values as a result of the nature of the topography. Nearly all of the stations are located in flat valleys where the near terrain is level with mountain ranges in the distance. Table 1 lists the principal facts for the gravity stations collected by the authors for the present work.

Two previously published gravity surveys were combined with the present data to produce the Bouguer gravity map, Figure 2, for this report. One of these surveys was of the Superstition Mountains, Arizona, (Wynn and Manydeeds, 1978). Table 2 lists the principal facts for 36 of their gravity stations used in this report. This data was collected with LaCoste and Romberg gravimeter G-159 and is referenced to base station ACIC 3210-1 at the Globe, Arizona, airport. The Bouguer anomalies given in Table 2 of this report differs from that listed by Wynn and Manydeeds. In their original report, the Bouguer anomaly included terrain corrections by hand template through 2.615 kilometers (zone H of Hammer, 1939), while in this report the terrain corrections include both their hand correction and the computer correction from 2.615 to 166.7 kilometers. The computer terrain corrections were made as described above.

Table 3 lists the principal facts for 943 stations collected by Donald L. Peterson, U.S. Geological Survey. These stations are part of a larger survey made by Peterson for the U.S. Water and Power Resources Service, published in 1965 (Peterson, D. L.) and as a Geophysical Investigations Map (Peterson, 1968). This data was collected with three Worden Prospector meters having dial constants of 0.4907, 0.4902, and 0.4738. Peterson's data was referenced to ACIC base stations located at Florence and the Phoenix airport, the same as the present survey. Peterson's data used in this report was taken from the Department of Defense Gravity Library (1977). Several of Peterson's stations were reoccupied by the authors during the present survey. After applying a small constant to the observed gravity values for Peterson's stations, these values agreed within 0.25 milligals with those measured by the authors. All of Peterson's data used in this report was processed to include terrain corrections, as described above.

Figure 2 is a complete Bouguer gravity map of the survey area. Station locations are shown, using different symbols for the various surveys. The map was generated on a Honeywell Multics computer using unpublished gridding and contour programs of M. W. Webring, U.S. Geological Survey. The data was gridded on a one-kilometer-grid spacing. The location of the CAP aqueduct is also shown on Figure 2, based on location maps furnished by the U.S. Water and Power Resources Service.

Gravity Profiles and Models

An abundance of earth cracks have formed in the vicinity of Hawk Rock, a 7-meter high outcrop of gray quartzite, 5.5 kilometers southwest of Apache Junction. Four survey lines of closely spaced gravity stations cross at this feature. Figure 3 shows the location and station numbers of these survey lines. The stations were measured along two sets of two parallel lines, the first line being read at 60.96 meter (200 ft) intervals and the second line at 91.44 meter (300 ft) intervals. The interval spacing was reduced to 30.48 meters (100 ft) on both lines near the earth cracks. The survey lines in the southeast-northwest direction were along the proposed alignment of the aqueduct.

Figure 4 shows profiles of the Bouguer anomaly along the two parallel southeast-northwest lines through Hawk Rock. The two profiles show nearly identical anomalies. The survey line for the upper profile passes directly through the rock outcrop and shows a sharper anomaly than the lower profile which is offset by 91.44 meters (300 ft) from the outcrop. The profiles trend nearly perpendicular to the regional gradient that can be seen on the maps by Peterson (1968) and West and Sumner (1973). The regional gradient was not removed from the data for these two lines.

The location of cracks exposed at the surface are also shown on the profiles on Figure 4. The cracks appear to correspond with an increase of the gravity gradient that occurs at the edges of small, local gravity "plateaus". This configuration of the gravity anomaly is not seen on the southwest-northeast gravity profile (Fig. 6) nor were any surface cracks observed along it.

A model and a calculated gravity profile at 250 meter (820 ft) intervals along the southeast-northwest line through Hawk Rock is also shown on Figure 4. Densities of the material northwest of Hawk Rock were determined from a Birdwell Bulk Density log for well TH(A-1-7) 36daa (SG1), logged on September 21, 1977, and two bulk density measurements of a core sample of granite from a depth of 392.9 meters (1289 ft) near the bottom of the same hole. Total depth of SG1 was 396.2 meters (1300 ft). The average bulk density of the granite cores was 2.68 g/cm^3 . (Bulk density of three surface samples from the outcrop at Hawk Rock were measured by G. R. Johnson, U.S. Geological Survey, and averaged 2.62 g/cm^3 .) To calculate an anomaly curve of reasonable fit along the profile northwest of well SG1 using these densities, it was necessary to have a mass of lower density than that of the granite. Such material could be a rock type similar to rhyolite or dacite (Heiland, 1940, p. 81). Densities to the southeast of Hawk Rock were changed on the basis of changes in seismic velocities (oral communications, Lee Pankratz, January 1979).

At Hawk Rock there is a difference of more than one milligal between the calculated model and the observed gravity. One method of fitting a model to the observed gravity would be to insert a body of higher-density material beneath Hawk Rock at a relatively shallow depth of 200 to 500 meters.

Figure 5 shows the profiles of both the observed gravity and the Bouguer anomaly extending to the northwest from the northwest end of the profiles shown on Figure 4. This profile follows the aqueduct alignment for 6096 meters (20,000 ft).

Figure 6 shows the Bouguer anomaly profiles for two parallel southwest-northeast lines through Hawk Rock. The upper profile is along a seismic reflection line run by the Tennessee Valley Authority (1978) with gravity station H0085 being located at TVA's station 28 + 00 and survey point 4200 RT 159 + 99.91 of the aqueduct alignment.

These profiles trend in the same direction as the regional gradient seen on the maps of Peterson (1968) and West and Sumner (1973). Shown on the upper profile of Figure 6 is the general regional gradient (determined from the map of Peterson, 1968), the residual anomaly, and a calculated anomaly for the model shown below it. If the regional gradient had not been removed, the depths at the southwest end of the profile would be less, while at the northeast end the depths would be greater.

The thickness of the upper layer of the model is generally the same as the combined thickness of the 0.6 and 1.2 km/sec seismic layers for the refraction spread Hawk Rock-4 (Lee Pankratz, oral communication, January 1979). The thickness of the second layer was then calculated to match the anomaly.

A gravity profile (Figure 7) was also made along the Magma-Arizona Railroad, 15 kilometers northwest of Florence, and is noted on Figure 2. The southwest end starts 152 meters (500 ft) northeast of the junction with the Southern Pacific Railroad and continues northeastward for 8412 meters (27,600 ft) with a station interval of 60.96 meters (200 ft). The gravity readings were taken along the northwest side of the tracks and not on any railbed fill material.

The profile trends nearly parallel to a steep northeasterly gravity gradient of more than 3 milligals per kilometer. The regional gradient was determined from the maps of Peterson (1968) and West and Sumner (1973). Figure 7 shows the Bouguer, calculated, and residual anomalies and regional gradient along the Magma-Arizona Railroad.

Two test holes, SG13 and SG7, drilled by the U. S. Water and Power Resources Service, lie along this profile. Sand, silt, and gravel were found to a depth of 276 meters (905 ft) in SG-13 with interbedded conglomerate and basalt from 276 to 398 meters (1,308 ft) and fractured andesite below 398 meters to a total depth of 465 meters (1,526 ft). At SG7, sand, silt, and gravel were found to a depth of 422 meters (1,385 ft) with basalt below this

GRAVITY PROFILE ALONG SALT - GILA AQUEDUCT

REACH I

STATION 300+67.7 TO STATION 490+00

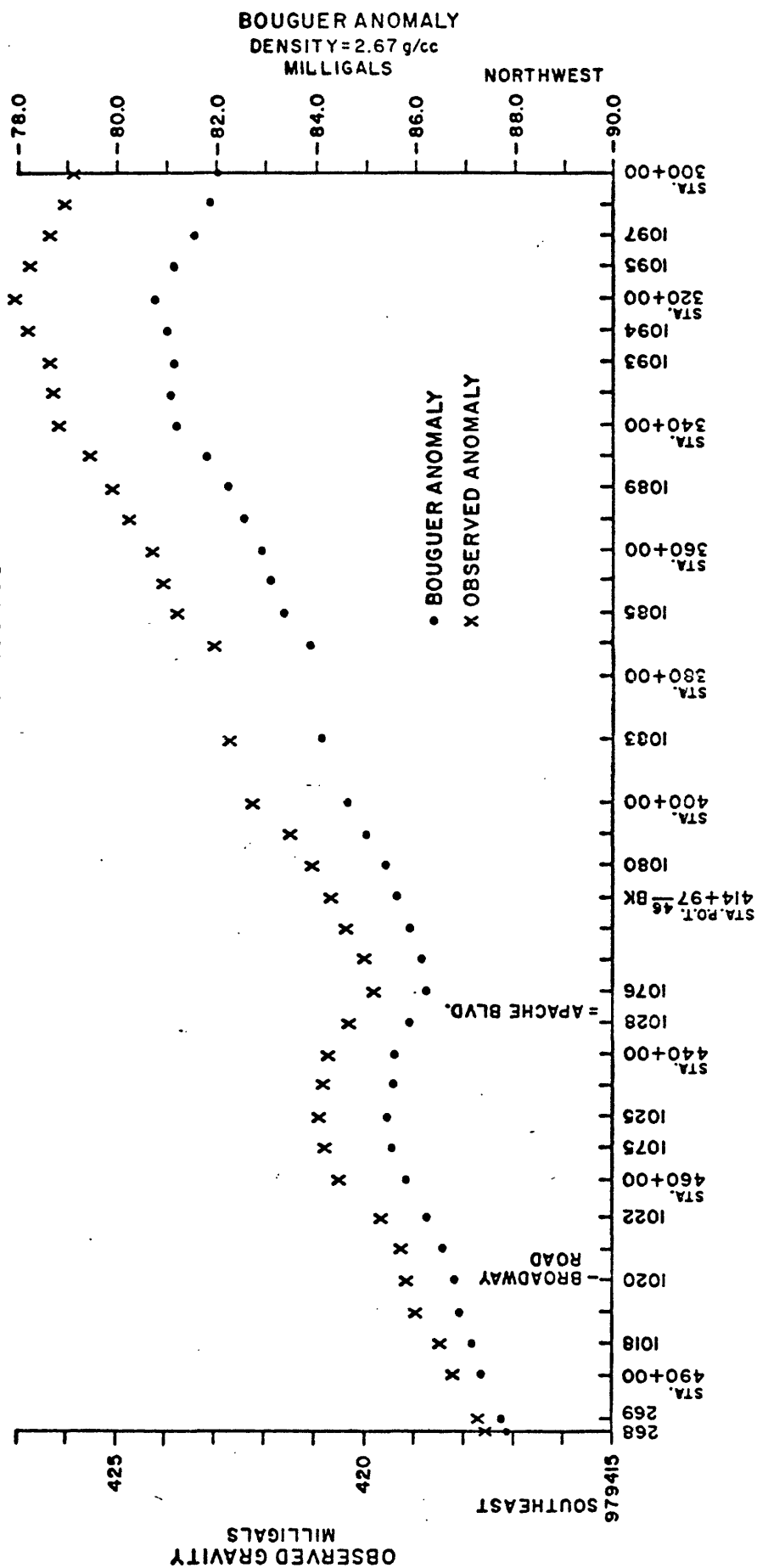


Figure 5. Gravity profile along aqueduct northwest of Broadway Road.

to a total depth of 456 meters (1,495 ft). In SG7 there was an increase in density at 232 meters (760 ft). (Drill hole information from Robert Laney, U.S. Geological Survey, oral communication, August 1978.) Bulk densities of three samples from SG13 were measured as:

conglomerate from 302 meters as 2.10 g/cm^3
basalt from 398 meters as 2.47 g/cm^3
andesite from 465 meters as 2.52 g/cm^3

A density of 2.67 g/cm^3 was used for computing the Bouguer anomaly. To calculate the anomaly at drill hole SG13, a density of 2.01 g/cm^3 was used for the sand and gravel, 2.30 g/cm^3 was used for the conglomerate and basalt, and the andesite was assumed to be 120 meters thick with a density of 2.52 g/cm^3 . The residual anomaly was then used to calculate the model shown in Figure 7. The 120-meter layer with a density of 2.52 g/cm^3 at SG13 is considered as having the same density layer as the basalt at the bottom of hole SG7. This would assume the andesite is replaced by or underlies the basalt at SG7.

Figure 8 shows a gravity profile along the aqueduct alignment southeast of the Magma-Arizona Railroad. Modeling was not done for this profile and the regional gradient was not removed.

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Explanation of Table Headings

The computer printout sheets list the principal facts for gravity stations. An explanation of the column headings follows:

IDENTIFICATION	proj CAP for Central Arizona Project sta-id for Gravity survey station number
LATITUDE	north latitude in degrees, minutes, and hundredth of minutes
LONGITUDE	west longitude in degrees, minutes, and hundredth of minutes
ELE	elevation in feet above sea level
ST	state
OBSERVED GRAVITY	observed gravity in milligals
THEORETICAL GRAVITY	theoretical gravity computed using the "Geodetic Reference System 1967" (International Association of Geodesy, 1971)
TERRAIN CORRECTION	corrections due to effects of topography at density of 2.67 g/cm^3
BOUGUER CORRECTION	Bouguer corrections in milligals (includes elevation and curvature correction)
CURV CORRECTION	corrections in milligals due to curvature of the earth
SPECIAL CORRECTIONS	any other corrections, none used
FREE AIR ANOMALY	free-air anomaly in milligals
BOUGER ANOMALY	simple Bouguer anomaly in milligals for densities of 2.67 and 2.50 g/cm^3

CENTRAL ARIZONA PROJECT GRAVITY SURVEY

JAN 1978 thru MAY 1979

Meter ID: Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L O C A T I O N S		G R A V I T Y OBSERVED THEORETICAL	C O R R E C T I O N S		SPECIAL	A N O M A L I E S					
	LATITUDE deg min	LONGITUDE deg min		ELE (in ft)	TERRAIN BOUGUER CURV		FREE AIR	COMPLETE-BOUGUER d1=2.67 d2=2.50 FIELDS				
CAP : H0001	33 21.10	-111 32.92	1557.8 AZ	979594.47	-0.07	-53.13	-0.62	0.00	-22.26	-76.04	-72.65	
CAP : H0002	33 21.12	-111 32.95	1556.9 AZ	979594.49	-0.07	-53.10	-0.62	0.00	-22.33	-76.12	-72.69	
CAP : H0003	33 21.13	-111 32.99	1556.5 AZ	979425.83	979594.51	-0.07	-53.09	-0.62	0.00	-22.27	-76.04	-72.62
CAP : H0004	33 21.15	-111 33.02	1556.6 AZ	979425.91	979594.53	-0.07	-53.09	-0.62	0.00	-22.20	-75.98	-72.56
CAP : H0005	33 21.17	-111 33.05	1555.8 AZ	979425.89	979594.56	-0.07	-53.06	-0.61	0.00	-22.33	-76.08	-72.65
CAP : H0006	33 21.19	-111 33.08	1554.8 AZ	979425.91	979594.59	-0.07	-53.03	-0.61	0.00	-22.43	-76.14	-72.72
CAP : H0007	33 21.21	-111 33.12	1554.8 AZ	979425.91	979594.62	-0.07	-53.03	-0.61	0.00	-22.46	-76.17	-72.75
CAP : H0008	33 21.22	-111 33.15	1554.2 AZ	979425.89	979594.63	-0.07	-53.01	-0.61	0.00	-22.55	-76.24	-72.82
CAP : H0009	33 21.24	-111 33.18	1553.7 AZ	979425.70	979594.66	-0.07	-52.99	-0.61	0.00	-22.81	-76.49	-73.07
CAP : H0010	33 21.26	-111 33.21	1552.4 AZ	979425.69	979594.69	-0.07	-52.95	-0.61	0.00	-22.98	-76.61	-73.19
CAP : H0011	33 21.28	-111 33.25	1551.7 AZ	979425.66	979594.71	-0.07	-52.92	-0.61	0.00	-23.09	-76.70	-73.29
CAP : H0012	33 21.30	-111 33.28	1550.8 AZ	979425.62	979594.74	-0.07	-52.89	-0.61	0.00	-23.25	-76.83	-73.42
CAP : H0013	33 21.32	-111 33.32	1549.5 AZ	979425.78	979594.77	-0.07	-52.85	-0.61	0.00	-23.24	-76.77	-73.36
CAP : H0014	33 21.34	-111 33.35	1548.2 AZ	979425.73	979594.80	-0.07	-52.80	-0.61	0.00	-23.44	-76.92	-73.52
CAP : H0015	33 21.35	-111 33.38	1547.3 AZ	979425.75	979594.81	-0.07	-52.77	-0.61	0.00	-23.52	-76.97	-73.57
CAP : H0016	33 21.38	-111 33.42	1546.5 AZ	979425.69	979594.85	-0.07	-52.75	-0.61	0.00	-23.70	-77.13	-73.72
CAP : H0017	33 21.39	-111 33.45	1545.4 AZ	979425.77	979594.87	-0.07	-52.71	-0.61	0.00	-23.73	-77.12	-73.72
CAP : H0018	33 21.41	-111 33.48	1545.3 AZ	979425.68	979594.89	-0.07	-52.71	-0.61	0.00	-23.86	-77.25	-73.85
CAP : H0019	33 21.42	-111 33.50	1544.4 AZ	979425.76	979594.91	-0.07	-52.67	-0.61	0.00	-23.88	-77.24	-73.84
CAP : H0020	33 21.46	-111 33.56	1541.2 AZ	979425.97	979594.96	-0.04	-52.57	-0.61	0.00	-24.02	-77.28	-73.89
CAP : H0021	33 21.48	-111 33.60	1540.8 AZ	979426.06	979594.99	-0.08	-52.55	-0.61	0.00	-24.00	-77.24	-73.85
CAP : H0022	33 21.50	-111 33.63	1541.2 AZ	979426.10	979595.02	-0.04	-52.57	-0.61	0.00	-23.95	-77.20	-73.81
CAP : H0023	33 21.52	-111 33.66	1541.3 AZ	979426.17	979595.05	-0.04	-52.57	-0.61	0.00	-23.90	-77.15	-73.76
CAP : H0024	33 21.54	-111 33.70	1541.3 AZ	979426.36	979595.07	-0.04	-52.57	-0.61	0.00	-23.74	-76.99	-73.60
CAP : H0025	33 21.55	-111 33.73	1542.8 AZ	979426.36	979595.09	-0.04	-52.62	-0.61	0.00	-23.61	-76.92	-73.52
CAP : H0026	33 21.57	-111 33.76	1541.4 AZ	979426.55	979595.12	-0.04	-52.57	-0.61	0.00	-23.58	-76.84	-73.45
CAP : H0027	33 21.59	-111 33.79	1543.0 AZ	979426.59	979595.14	-0.07	-52.63	-0.61	0.00	-23.41	-76.72	-73.32
CAP : H0028	33 21.61	-111 33.83	1543.6 AZ	979426.71	979595.17	-0.07	-52.65	-0.61	0.00	-23.27	-76.59	-73.20
CAP : H0029	33 21.63	-111 33.86	1545.1 AZ	979426.79	979595.20	-0.07	-52.70	-0.61	0.00	-23.07	-76.45	-73.05
CAP : H0030	33 21.65	-111 33.89	1544.5 AZ	979427.19	979595.23	-0.07	-52.68	-0.61	0.00	-22.76	-76.12	-72.72
CAP : H0031	33 21.67	-111 33.92	1544.6 AZ	979427.46	979595.26	-0.04	-52.68	-0.61	0.00	-22.51	-75.88	-72.48
CAP : H0032	33 21.68	-111 33.96	1543.8 AZ	979427.70	979595.27	-0.04	-52.65	-0.61	0.00	-22.35	-75.70	-72.30
CAP : H0033	33 21.70	-111 33.99	1543.7 AZ	979427.86	979595.30	-0.04	-52.65	-0.61	0.00	-22.23	-75.57	-72.18
CAP : H0034	33 21.72	-111 34.03	1543.5 AZ	979427.82	979595.32	-0.04	-52.64	-0.61	0.00	-22.32	-75.65	-72.26
CAP : H0035	33 21.74	-111 34.06	1543.8 AZ	979427.64	979595.35	-0.04	-52.65	-0.61	0.00	-22.50	-75.84	-72.45
CAP : H0036	33 21.76	-111 34.09	1543.2 AZ	979427.57	979595.38	-0.04	-52.63	-0.61	0.00	-22.65	-75.97	-72.58
CAP : H0037	33 21.78	-111 34.12	1542.6 AZ	979427.49	979595.41	-0.04	-52.61	-0.61	0.00	-22.81	-76.12	-72.72
CAP : H0038	33 21.80	-111 34.16	1542.6 AZ	979427.43	979595.44	-0.04	-52.61	-0.61	0.00	-22.90	-76.22	-72.82
CAP : H0039	33 21.82	-111 34.19	1541.8 AZ	979427.51	979595.46	-0.04	-52.59	-0.61	0.00	-22.93	-76.20	-72.81
CAP : H0040	33 21.84	-111 34.22	1541.0 AZ	979427.65	979595.49	-0.04	-52.56	-0.61	0.00	-22.89	-76.14	-72.75

Table 1. Principal facts for gravity stations in Maricopa and Pinal Counties, Arizona, collected by the authors.

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L U C A T I O N S		G R A V I T Y		C O R R E C T I O N S		F R E E A I R		A N O M A L I E S		S P E C F I E L D S				
proj	sta-id	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	COMPLETE-HUUGER	SPEC FIELDS			
CAP	H0041	33	21.85	-111	34.25	1542.1	AZ	979427.75	979595.50	-0.08	-52.60	-0.61	0.00	-22.70	-75.99	-72.59
CAP	H0042	33	21.87	-111	34.28	1541.7	AZ	979428.04	979595.53	-0.03	-52.58	-0.61	0.00	-22.48	-75.75	-72.36
CAP	H0043	33	21.89	-111	34.32	1540.1	AZ	979428.51	979595.55	-0.08	-52.53	-0.61	0.00	-22.19	-75.40	-72.01
CAP	H0044	33	21.91	-111	34.35	1538.8	AZ	979429.09	979595.59	-0.08	-52.48	-0.61	0.00	-21.75	-74.92	-71.54
CAP	H0045	33	21.93	-111	34.38	1540.0	AZ	979429.54	979595.62	-0.08	-52.52	-0.61	0.00	-21.22	-74.43	-71.04
CAP	H0046	33	21.94	-111	34.42	1539.7	AZ	979430.00	979595.63	-0.08	-52.51	-0.61	0.00	-20.80	-74.00	-70.62
CAP	H0047	33	21.96	-111	34.45	1539.8	AZ	979430.30	979595.66	-0.08	-52.52	-0.61	0.00	-20.52	-73.73	-70.34
CAP	H0048	33	22.00	-111	34.42	1541.8	AZ	979429.43	979595.71	-0.08	-52.59	-0.61	0.00	-21.20	-74.53	-71.14
CAP	H0049	33	21.97	-111	34.36	1542.3	AZ	979429.19	979595.67	-0.08	-52.60	-0.61	0.00	-21.41	-74.70	-71.31
CAP	H0050	33	21.94	-111	34.32	1541.9	AZ	979428.66	979595.63	-0.08	-52.59	-0.61	0.00	-21.93	-75.21	-71.82
CAP	H0051	33	21.92	-111	34.27	1543.0	AZ	979427.99	979595.60	-0.08	-52.63	-0.61	0.00	-22.47	-75.79	-72.39
CAP	H0052	33	21.89	-111	34.22	1544.0	AZ	979427.51	979595.55	-0.08	-52.66	-0.61	0.00	-22.82	-76.17	-72.77
CAP	H0053	33	21.86	-111	34.17	1544.6	AZ	979427.16	979595.52	-0.08	-52.68	-0.61	0.00	-23.07	-76.44	-73.04
CAP	H0054	33	21.84	-111	34.12	1545.1	AZ	979427.16	979595.49	-0.08	-52.70	-0.61	0.00	-22.99	-76.38	-72.98
CAP	H0055	33	21.81	-111	34.07	1545.9	AZ	979427.24	979595.45	-0.08	-52.73	-0.61	0.00	-22.79	-76.21	-72.81
CAP	HTHSG4	33	22.13	-111	33.86	1560.0	AZ	979425.01	979595.89	-0.06	-53.21	-0.62	0.00	-24.14	-78.03	-74.60
CAP	H0056	33	21.78	-111	34.02	1546.6	AZ	979427.30	979595.41	-0.07	-52.75	-0.61	0.00	-22.63	-76.06	-72.66
CAP	H0057	33	21.75	-111	33.97	1546.5	AZ	979427.32	979595.37	-0.07	-52.75	-0.61	0.00	-22.58	-76.01	-72.60
CAP	H0058	33	21.73	-111	33.92	1545.8	AZ	979427.24	979595.34	-0.07	-52.72	-0.61	0.00	-22.69	-76.10	-72.70
CAP	H0059	33	21.70	-111	33.87	1547.1	AZ	979426.84	979595.30	-0.07	-52.77	-0.61	0.00	-22.93	-76.38	-72.97
CAP	H0060	33	21.67	-111	33.83	1547.2	AZ	979426.43	979595.26	-0.07	-52.77	-0.61	0.00	-23.29	-76.74	-73.34
CAP	H0061	33	21.64	-111	33.77	1546.2	AZ	979426.21	979595.21	-0.07	-52.74	-0.61	0.00	-23.50	-76.98	-73.58
CAP	H0062	33	21.61	-111	33.73	1544.6	AZ	979426.14	979595.17	-0.07	-52.68	-0.61	0.00	-23.74	-77.11	-73.71
CAP	H0063	33	21.58	-111	33.68	1544.4	AZ	979425.86	979595.13	-0.08	-52.67	-0.61	0.00	-24.00	-77.37	-73.97
CAP	H0064	33	21.56	-111	33.62	1544.9	AZ	979425.64	979595.10	-0.07	-52.69	-0.61	0.00	-24.14	-77.52	-74.12
CAP	H0065	33	21.53	-111	33.58	1543.6	AZ	979425.68	979595.06	-0.07	-52.65	-0.61	0.00	-24.19	-77.51	-74.12
CAP	H0066	33	21.50	-111	33.53	1543.9	AZ	979425.54	979595.02	-0.07	-52.66	-0.61	0.00	-24.26	-77.60	-74.20
CAP	H0067	33	21.47	-111	33.48	1542.9	AZ	979425.62	979594.98	-0.07	-52.62	-0.61	0.00	-24.23	-77.53	-74.14
CAP	H0068	33	21.42	-111	33.38	1547.2	AZ	979425.40	979594.91	-0.08	-52.77	-0.61	0.00	-23.97	-77.44	-74.03
CAP	H0069	33	21.39	-111	33.33	1550.2	AZ	979425.27	979594.87	-0.07	-52.87	-0.61	0.00	-23.78	-77.33	-73.92
CAP	H0070	33	21.36	-111	33.28	1550.7	AZ	979425.51	979594.83	-0.07	-52.89	-0.61	0.00	-23.46	-77.03	-73.62
CAP	H0071	33	21.33	-111	33.23	1552.5	AZ	979425.52	979594.78	-0.07	-52.95	-0.61	0.00	-23.23	-76.66	-73.45
CAP	H0072	33	21.30	-111	33.18	1554.4	AZ	979425.68	979594.74	-0.07	-53.02	-0.61	0.00	-22.85	-76.55	-73.13
CAP	H0073	33	21.28	-111	33.13	1555.3	AZ	979425.72	979594.71	-0.07	-53.05	-0.61	0.00	-22.70	-76.43	-73.01
CAP	H0074	33	21.25	-111	33.08	1556.4	AZ	979425.81	979594.67	-0.07	-53.08	-0.61	0.00	-22.46	-76.23	-72.81
CAP	H0075	33	21.22	-111	33.03	1557.5	AZ	979425.86	979594.63	-0.07	-53.12	-0.62	0.00	-22.27	-76.08	-72.65
CAP	H0076	33	21.19	-111	32.98	1558.2	AZ	979425.82	979594.59	-0.07	-53.15	-0.62	0.00	-22.20	-76.03	-72.61
CAP	H0077	33	21.16	-111	32.93	1558.2	AZ	979425.61	979594.55	-0.07	-53.15	-0.62	0.00	-22.37	-76.20	-72.77
CAP	H0078	33	21.14	-111	32.89	1559.0	AZ	979425.44	979594.52	-0.07	-53.17	-0.62	0.00	-22.44	-76.30	-72.87
CAP	H0079	33	21.94	-111	34.45	1538.1	AZ	979430.19	979595.63	-0.08	-52.46	-0.61	0.00	-20.76	-75.91	-70.53

BUUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION	proj	sta-id	L	U	C	A	T	I	O	N	S	ELE (in ft)	G R A V I T Y OBSERVED	TERRAIN BOUGUER CURV	C O R R E C T I O N S SPECIAL	FREE AIR	A N U M A L I E S COMPLETE-BOUGUER SPEC d1=2.67 d2=2.50 FIELDS			
CAP : H0080			33	21.92	-111	34.48			1536.1	AZ		979430.22	979595.60	-0.08	-52.39	-0.61	0.00	-20.89	-73.97	-70.59
CAP : H0081			33	21.89	-111	34.51			1533.9	AZ		979430.11	979595.55	-0.08	-52.32	-0.61	0.00	-21.17	-74.17	-70.80
CAP : H0082			33	21.87	-111	34.54			1531.7	AZ		979429.90	979595.53	-0.09	-52.24	-0.61	0.00	-21.56	-74.50	-71.12
CAP : H0083			33	21.85	-111	34.57			1530.0	AZ		979429.50	979595.50	-0.09	-52.18	-0.61	0.00	-22.09	-74.97	-71.60
CAP : H0084			33	21.83	-111	34.60			1529.6	AZ		979429.19	979595.48	-0.09	-52.17	-0.61	0.00	-22.41	-75.28	-71.91
CAP : H0085			33	21.80	-111	34.62			1527.9	AZ		979428.95	979595.44	-0.09	-52.11	-0.61	0.00	-22.70	-75.57	-72.21
CAP : H0086			33	21.78	-111	34.66			1525.4	AZ		979428.75	979595.41	-0.09	-52.03	-0.60	0.00	-23.17	-75.89	-72.54
CAP : H0087			33	21.76	-111	34.69			1523.5	AZ		979428.67	979595.38	-0.10	-51.96	-0.60	0.00	-23.40	-76.07	-72.72
CAP : H0088			33	21.74	-111	34.71			1522.3	AZ		979428.60	979595.35	-0.10	-51.92	-0.60	0.00	-23.56	-76.18	-72.83
CAP : H0089			33	21.71	-111	34.74			1520.7	AZ		979428.62	979595.31	-0.10	-51.87	-0.60	0.00	-23.65	-76.22	-72.87
CAP : H0090			33	21.69	-111	34.77			1519.1	AZ		979428.60	979595.28	-0.10	-51.81	-0.60	0.00	-23.79	-76.30	-72.96
CAP : H0091			33	21.67	-111	34.81			1516.7	AZ		979428.65	979595.26	-0.10	-51.73	-0.60	0.00	-23.94	-76.37	-73.03
CAP : H0092			33	21.64	-111	34.83			1514.9	AZ		979428.67	979595.21	-0.11	-51.67	-0.60	0.00	-24.05	-76.42	-73.09
CAP : H0093			33	21.62	-111	34.86			1513.1	AZ		979428.60	979595.19	-0.11	-51.61	-0.60	0.00	-24.20	-76.58	-73.24
CAP : H0094			33	21.60	-111	34.89			1511.3	AZ		979428.57	979595.16	-0.11	-51.55	-0.60	0.00	-24.43	-76.69	-73.36
CAP : H0095			33	21.58	-111	34.91			1509.1	AZ		979428.53	979595.13	-0.11	-51.47	-0.60	0.00	-24.65	-76.83	-73.51
CAP : H0096			33	21.56	-111	34.95			1507.4	AZ		979428.32	979595.10	-0.11	-51.41	-0.60	0.00	-24.99	-77.11	-73.79
CAP : H0097			33	21.53	-111	34.97			1505.8	AZ		979428.32	979595.06	-0.11	-51.36	-0.60	0.00	-25.10	-77.17	-73.85
CAP : H0098			33	21.51	-111	35.00			1504.2	AZ		979428.23	979595.03	-0.11	-51.30	-0.60	0.00	-25.31	-77.32	-74.01
CAP : H0099			33	21.49	-111	35.03			1502.2	AZ		979428.26	979595.01	-0.11	-51.24	-0.60	0.00	-25.45	-77.59	-74.08
CAP : H0100			33	21.45	-111	35.00			1501.2	AZ		979428.39	979594.95	-0.11	-51.20	-0.60	0.00	-25.35	-77.26	-73.95
CAP : H0101			33	21.48	-111	34.95			1503.9	AZ		979428.42	979594.99	-0.11	-51.29	-0.60	0.00	-25.11	-77.11	-73.80
CAP : H0102			33	21.51	-111	34.91			1506.8	AZ		979428.45	979595.03	-0.11	-51.39	-0.60	0.00	-24.85	-76.75	-73.63
CAP : H0103			33	21.55	-111	34.87			1509.5	AZ		979428.56	979595.09	-0.11	-51.49	-0.60	0.00	-24.54	-76.73	-73.41
CAP : H0104			33	21.58	-111	34.83			1512.7	AZ		979428.56	979595.13	-0.11	-51.59	-0.60	0.00	-24.28	-76.58	-73.25
CAP : H0105			33	21.61	-111	34.78			1515.2	AZ		979428.59	979595.17	-0.10	-51.68	-0.60	0.00	-24.05	-76.43	-73.10
CAP : H0106			33	21.65	-111	34.74			1518.2	AZ		979428.57	979595.23	-0.10	-51.78	-0.60	0.00	-23.85	-76.33	-72.99
CAP : H0107			33	21.68	-111	34.70			1521.2	AZ		979428.55	979595.27	-0.10	-51.88	-0.60	0.00	-23.63	-76.22	-72.87
CAP : H0108			33	21.72	-111	34.65			1523.6	AZ		979428.63	979595.32	-0.10	-51.97	-0.60	0.00	-23.38	-76.05	-72.69
CAP : H0109			33	21.75	-111	34.60			1526.4	AZ		979428.88	979595.37	-0.09	-52.06	-0.60	0.00	-22.90	-75.66	-72.30
CAP : H0110			33	21.78	-111	34.56			1528.7	AZ		979429.35	979595.41	-0.09	-52.14	-0.61	0.00	-22.20	-75.10	-71.73
CAP : H0111			33	21.81	-111	34.52			1531.0	AZ		979429.94	979595.45	-0.09	-52.22	-0.61	0.00	-21.50	-74.41	-71.05
CAP : H0112			33	21.85	-111	34.47			1533.5	AZ		979430.27	979595.50	-0.08	-52.30	-0.61	0.00	-20.99	-73.98	-70.60
CAP : H0113			33	21.88	-111	34.43			1536.6	AZ		979430.01	979595.55	-0.08	-52.41	-0.61	0.00	-21.00	-74.10	-70.72
CAP : H0114			33	21.92	-111	34.39			1539.3	AZ		979429.55	979595.60	-0.08	-52.50	-0.61	0.00	-21.20	-74.45	-71.07
CAP : H0115			33	21.95	-111	34.34			1542.5	AZ		979428.82	979595.64	-0.08	-52.61	-0.61	0.00	-21.75	-75.03	-71.04
CAP : H0116			33	21.98	-111	34.30			1543.8	AZ		979428.29	979595.68	-0.08	-52.65	-0.61	0.00	-22.16	-75.53	-72.13
CAP : H0117			33	22.02	-111	34.26			1546.7	AZ		979427.70	979595.73	-0.07	-52.75	-0.61	0.00	-22.55	-75.98	-72.58
CAP : H0118			33	22.05	-111	34.21			1549.6	AZ		979427.46	979595.78	-0.07	-52.85	-0.61	0.00	-22.50	-76.09	-72.69
CAP : H0119			33	22.08	-111	34.17			1552.4	AZ		979427.62	979595.82	-0.07	-52.95	-0.61	0.00	-22.18	-75.61	-72.40

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION	L LATITUDE	C LONGITUDE	A T deg	I min	O N S	G R A V I T Y	C O R R E C T I O N S	T E R R A I N	B O U G U E R	C U R V	S P E C I A L	F R E E	A I R	A N O M A L I E S	S P E C I F I C
proj	sta-id				(in ft)	OBSERVED	THEORETICAL								
CAP : H0120	33	22.12	-111	34.13	1555.4	AZ	979427.35	979595.88	-0.07	-53.05	-0.61	0.00	-22.22	-75.95	-72.53
CAP : H0121	33	22.15	-111	34.08	1559.6	AZ	979426.29	979595.92	-0.07	-53.19	-0.62	0.00	-22.93	-76.81	-73.38
CAP : H0122	33	22.19	-111	34.04	1561.5	AZ	979425.37	979595.98	-0.06	-53.26	-0.62	0.00	-23.73	-77.66	-74.23
CAP : H0123	33	22.22	-111	34.00	1564.8	AZ	979424.42	979596.02	-0.07	-53.37	-0.62	0.00	-24.40	-78.46	-75.02
CAP : H0124	33	22.25	-111	33.95	1566.3	AZ	979423.64	979596.05	-0.07	-53.42	-0.62	0.00	-25.09	-79.20	-75.15
CAP : H0125	33	22.29	-111	33.91	1568.1	AZ	979422.78	979596.11	-0.07	-53.48	-0.62	0.00	-25.83	-80.00	-76.55
CAP : H0126	33	22.32	-111	33.87	1570.6	AZ	979421.85	979596.16	-0.07	-53.57	-0.62	0.00	-26.57	-80.53	-77.37
CAP : H0127	33	22.35	-111	33.82	1572.9	AZ	979421.03	979596.20	-0.06	-53.65	-0.62	0.00	-27.21	-81.54	-78.08
CAP : H0128	33	22.38	-111	33.79	1574.4	AZ	979420.50	979596.23	-0.06	-53.70	-0.62	0.00	-27.64	-82.02	-78.56
CAP : H0129	33	22.41	-111	33.75	1577.0	AZ	979419.74	979596.28	-0.06	-53.79	-0.62	0.00	-28.20	-82.67	-79.20
CAP : H0130	33	22.45	-111	33.70	1579.3	AZ	979419.17	979596.34	-0.05	-53.87	-0.62	0.00	-29.61	-83.15	-79.67
CAP : H0131	33	22.48	-111	33.65	1582.2	AZ	979418.36	979596.38	-0.05	-53.96	-0.62	0.00	-29.19	-83.83	-80.35
CAP : H0132	33	21.99	-111	34.47	1540.5	AZ	979430.13	979595.70	-0.08	-52.54	-0.61	0.00	-20.66	-73.89	-70.50
CAP : H0133	33	22.00	-111	34.47	1540.5	AZ	979429.95	979595.71	-0.08	-52.54	-0.61	0.00	-20.86	-74.09	-70.70
CAP : H0134	33	22.02	-111	34.48	1540.2	AZ	979429.25	979595.73	-0.08	-52.53	-0.61	0.00	-21.61	-74.83	-71.45
CAP : H0135	33	22.06	-111	34.50	1540.5	AZ	979428.61	979595.80	-0.08	-52.54	-0.61	0.00	-22.28	-75.51	-72.12
CAP : H0136	33	22.09	-111	34.51	1541.0	AZ	979427.98	979595.84	-0.08	-52.56	-0.61	0.00	-22.90	-76.15	-72.76
CAP : H0137	33	22.12	-111	34.52	1541.7	AZ	979427.43	979595.88	-0.08	-52.58	-0.61	0.00	-23.43	-76.70	-73.51
CAP : H0138	33	22.13	-111	34.52	1541.7	AZ	979427.27	979595.89	-0.08	-52.58	-0.61	0.00	-23.60	-76.87	-73.48
CAP : H0139	33	22.15	-111	34.54	1541.7	AZ	979427.05	979595.92	-0.08	-52.58	-0.61	0.00	-23.86	-77.13	-73.74
CAP : H0140	33	22.17	-111	34.54	1541.8	AZ	979426.76	979595.95	-0.08	-52.59	-0.61	0.00	-24.16	-77.44	-74.05
CAP : H0141	33	22.18	-111	34.54	1541.8	AZ	979426.65	979595.96	-0.08	-52.59	-0.61	0.00	-24.29	-77.56	-74.17
CAP : H0142	33	22.20	-111	34.55	1541.8	AZ	979426.51	979595.98	-0.08	-52.59	-0.61	0.00	-24.45	-77.73	-74.34
CAP : H0143	33	22.21	-111	34.56	1541.8	AZ	979426.44	979596.00	-0.08	-52.59	-0.61	0.00	-24.54	-77.81	-74.42
CAP : H0144	33	22.23	-111	34.57	1542.4	AZ	979426.37	979596.03	-0.08	-52.61	-0.61	0.00	-24.58	-77.88	-74.48
CAP : H0145	33	22.25	-111	34.57	1543.0	AZ	979426.21	979596.05	-0.08	-52.63	-0.61	0.00	-24.71	-78.02	-74.63
CAP : H0146	33	22.26	-111	34.58	1543.5	AZ	979426.00	979596.07	-0.08	-52.64	-0.61	0.00	-24.88	-78.22	-74.82
CAP : H0147	33	22.28	-111	34.58	1543.9	AZ	979425.83	979596.10	-0.08	-52.66	-0.61	0.00	-25.05	-78.40	-75.00
CAP : H0148	33	22.29	-111	34.59	1544.2	AZ	979425.70	979596.11	-0.08	-52.67	-0.61	0.00	-25.16	-78.52	-75.12
CAP : H0149	33	22.31	-111	34.59	1544.8	AZ	979425.50	979596.14	-0.08	-52.69	-0.61	0.00	-25.33	-78.71	-75.31
CAP : H0150	33	22.32	-111	34.60	1545.0	AZ	979425.25	979596.16	-0.08	-52.70	-0.61	0.00	-25.58	-78.96	-75.56
CAP : H0151	33	22.34	-111	34.61	1545.0	AZ	979425.05	979596.18	-0.07	-52.70	-0.61	0.00	-25.81	-79.18	-75.78
CAP : H0152	33	22.36	-111	34.61	1545.1	AZ	979424.94	979596.21	-0.07	-52.70	-0.61	0.00	-25.93	-79.31	-75.92
CAP : H0153	33	22.37	-111	34.62	1545.3	AZ	979424.67	979596.22	-0.07	-52.71	-0.61	0.00	-26.19	-79.58	-76.18
CAP : H0154	33	22.39	-111	34.62	1545.4	AZ	979424.52	979596.25	-0.07	-52.71	-0.61	0.00	-26.36	-79.75	-76.35
CAP : H0155	33	22.40	-111	34.63	1545.4	AZ	979424.37	979596.27	-0.07	-52.71	-0.61	0.00	-26.53	-79.92	-76.52
CAP : H0156	33	22.42	-111	34.64	1545.7	AZ	979424.32	979596.29	-0.07	-52.72	-0.61	0.00	-26.58	-79.98	-76.58
CAP : H0157	33	22.45	-111	34.65	1545.9	AZ	979424.04	979596.34	-0.07	-52.73	-0.61	0.00	-26.89	-80.29	-76.89
CAP : H0158	33	22.48	-111	34.66	1546.4	AZ	979423.76	979596.38	-0.07	-52.74	-0.61	0.00	-27.10	-80.58	-77.18
CAP : H0159	33	22.51	-111	34.67	1547.3	AZ	979423.56	979596.41	-0.07	-52.77	-0.61	0.00	-27.31	-80.77	-77.36

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

BOUGUER GRAVITY DATA

page 5

STATION IDENTIFICATION		L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S						
proj	sta-id	LATITUDE deg min	LONGITUDE deg min	ELE (in ft)	OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FPLE AIR	COMPLETE-BOUGUER d1=d.07 d2=2.50	SPEC FIELDS			
CAP :	H0160	33 22.54	-111 34.68	1548.3	AZ	979423.17	979596.46	-0.07	-52.81	-0.61	0.00	-27.05	-81.14	-77.73
CAP :	H0161	33 22.58	-111 34.69	1548.7	AZ	979423.02	979596.52	-0.07	-52.82	-0.61	0.00	-27.82	-81.32	-77.91
CAP :	H0162	33 22.61	-111 34.71	1550.0	AZ	979422.88	979596.55	-0.07	-52.87	-0.61	0.00	-27.87	-81.42	-78.01
CAP :	H0163	33 22.63	-111 34.72	1550.1	AZ	979422.72	979596.59	-0.07	-52.87	-0.61	0.00	-28.06	-81.61	-78.20
CAP :	H0164	33 22.67	-111 34.73	1548.9	AZ	979422.52	979596.64	-0.07	-52.83	-0.61	0.00	-28.42	-81.93	-78.53
CAP :	H0165	33 22.70	-111 34.74	1551.8	AZ	979422.24	979596.68	-0.07	-52.93	-0.61	0.00	-28.47	-82.08	-78.67
CAP :	H0166	33 22.72	-111 34.76	1552.7	AZ	979421.85	979596.70	-0.07	-52.96	-0.61	0.00	-28.81	-82.45	-79.03
CAP :	H0167	33 22.74	-111 34.76	1552.8	AZ	979421.63	979596.73	-0.07	-52.96	-0.61	0.00	-29.04	-82.69	-79.27
CAP :	H0168	33 22.76	-111 34.77	1552.8	AZ	979421.44	979596.77	-0.07	-52.96	-0.61	0.00	-29.27	-82.91	-79.49
CAP :	H0169	33 22.77	-111 34.77	1553.0	AZ	979421.28	979596.77	-0.07	-52.97	-0.61	0.00	-29.42	-83.07	-79.65
CAP :	H0170	33 22.79	-111 34.78	1553.3	AZ	979421.06	979596.80	-0.07	-52.98	-0.61	0.00	-29.63	-83.30	-79.88
CAP :	H0171	33 22.81	-111 34.79	1553.6	AZ	979420.89	979596.83	-0.07	-52.99	-0.61	0.00	-29.80	-83.48	-80.06
CAP :	H0172	33 22.82	-111 34.79	1554.0	AZ	979420.72	979596.84	-0.07	-53.00	-0.61	0.00	-29.95	-83.64	-80.22
CAP :	H0173	33 22.85	-111 34.80	1554.4	AZ	979420.23	979596.88	-0.06	-53.02	-0.61	0.00	-30.44	-84.13	-80.71
CAP :	H0174	33 22.89	-111 34.81	1554.9	AZ	979419.96	979596.95	-0.06	-53.03	-0.61	0.00	-30.72	-84.43	-81.01
CAP :	H0175	33 22.91	-111 34.83	1555.5	AZ	979419.68	979596.97	-0.06	-53.05	-0.61	0.00	-30.97	-84.70	-81.28
CAP :	H0176	33 22.95	-111 34.84	1556.4	AZ	979419.26	979597.02	-0.06	-53.08	-0.61	0.00	-31.37	-85.13	-81.70
CAP :	H0177	33 22.98	-111 34.85	1557.8	AZ	979418.91	979597.06	-0.06	-53.13	-0.62	0.00	-31.62	-85.43	-82.00
CAP :	H0178	33 23.01	-111 34.86	1559.3	AZ	979418.46	979597.11	-0.06	-53.18	-0.62	0.00	-31.98	-85.84	-82.41
CAP :	H0179	33 23.04	-111 34.88	1559.9	AZ	979418.11	979597.15	-0.06	-53.20	-0.62	0.00	-32.31	-86.19	-82.76
CAP :	H0180	33 23.07	-111 34.89	1561.7	AZ	979417.77	979597.19	-0.06	-53.27	-0.62	0.00	-32.52	-86.46	-83.03
CAP :	H0181	33 23.10	-111 34.90	1563.2	AZ	979417.36	979597.23	-0.06	-53.32	-0.62	0.00	-32.84	-86.83	-83.39
CAP :	H0182	33 23.14	-111 34.91	1565.3	AZ	979416.94	979597.29	-0.06	-53.39	-0.62	0.00	-33.12	-87.18	-83.74
CAP :	H0183	33 21.97	-111 34.52	1536.7	AZ	979429.66	979595.67	-0.08	-52.41	-0.61	0.00	-21.46	-74.56	-71.18
CAP :	H0184	33 22.00	-111 34.57	1537.2	AZ	979429.44	979595.71	-0.08	-52.43	-0.61	0.00	-21.68	-74.80	-71.42
CAP :	H0185	33 22.03	-111 34.54	1537.3	AZ	979429.08	979595.75	-0.08	-52.43	-0.61	0.00	-22.07	-75.19	-71.81
CAP :	H0186	33 22.07	-111 34.56	1538.9	AZ	979428.41	979595.80	-0.08	-52.49	-0.61	0.00	-22.64	-75.62	-72.43
CAP :	H0187	33 22.09	-111 34.57	1538.9	AZ	979427.83	979595.84	-0.08	-52.49	-0.61	0.00	-23.25	-76.43	-73.04
CAP :	H0188	33 22.13	-111 34.58	1539.1	AZ	979427.49	979595.89	-0.08	-52.49	-0.61	0.00	-23.63	-76.81	-73.42
CAP :	H0189	33 22.16	-111 34.59	1539.3	AZ	979427.23	979595.93	-0.08	-52.50	-0.61	0.00	-23.91	-77.10	-73.71
CAP :	H0190	33 22.19	-111 34.60	1539.1	AZ	979427.10	979595.98	-0.08	-52.49	-0.61	0.00	-24.10	-77.28	-73.90
CAP :	H0191	33 22.22	-111 34.61	1540.8	AZ	979426.85	979596.02	-0.08	-52.55	-0.61	0.00	-24.23	-77.47	-74.08
CAP :	H0192	33 22.25	-111 34.63	1541.7	AZ	979426.49	979596.05	-0.08	-52.58	-0.61	0.00	-24.55	-77.82	-74.43
CAP :	H0193	33 22.28	-111 34.64	1542.5	AZ	979425.93	979596.10	-0.08	-52.61	-0.61	0.00	-25.08	-78.38	-74.98
CAP :	H0194	33 22.30	-111 34.65	1542.9	AZ	979425.71	979596.13	-0.08	-52.62	-0.61	0.00	-25.28	-78.60	-75.20
CAP :	H0195	33 22.31	-111 34.65	1542.1	AZ	979425.59	979596.14	-0.08	-52.60	-0.61	0.00	-25.49	-78.78	-75.39
CAP :	H0196	33 22.33	-111 34.65	1542.9	AZ	979425.27	979596.16	-0.08	-52.62	-0.61	0.00	-25.76	-79.08	-75.68
CAP :	H0197	33 22.34	-111 34.66	1543.2	AZ	979425.09	979596.18	-0.08	-52.63	-0.61	0.00	-25.93	-79.25	-75.86
CAP :	H0198	33 22.36	-111 34.67	1543.0	AZ	979424.91	979596.21	-0.08	-52.63	-0.61	0.00	-26.15	-79.47	-76.08
CAP :	H0199	33 22.39	-111 34.68	1542.8	AZ	979424.59	979596.25	-0.08	-52.62	-0.61	0.00	-26.54	-79.85	-76.45

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION		LATITUDE		LONGITUDE		ELEVATION		GRAVITY		TERRAIN BOUGUER		CORRECTION		SPECIAL		ANOMALIES	
proj	sta-id	deg	min	deg	min	ft	ST	OBSERVED	THEORETICAL	TERRAIN BOUGUER	CORRECTION	SPECIAL	FREE AIR	COMPLETE	BOUGUER	SPEC FIELDS	
CAP	: H0200	33	22.42	-111	34.69	1543.7	AZ	979424.23	979596.29	-0.07	-52.65	-0.61	0.00	-26.85	-80.18	-76.79	
CAP	: H0201	33	22.46	-111	34.70	1544.8	AZ	979423.95	979596.34	-0.07	-52.69	-0.61	0.00	-27.08	-80.45	-77.06	
CAP	: H0202	33	22.49	-111	34.71	1544.9	AZ	979423.76	979596.39	-0.07	-52.59	-0.61	0.00	-27.31	-80.69	-77.29	
CAP	: H0203	33	22.52	-111	34.72	1545.6	AZ	979423.57	979596.43	-0.07	-52.72	-0.61	0.00	-27.48	-80.87	-77.47	
CAP	: H0204	33	22.55	-111	34.74	1545.7	AZ	979423.43	979596.47	-0.07	-52.72	-0.61	0.00	-27.65	-81.05	-77.65	
CAP	: H0205	33	22.58	-111	34.75	1547.0	AZ	979423.24	979596.52	-0.07	-52.76	-0.61	0.00	-27.75	-81.20	-77.80	
CAP	: H0206	33	22.61	-111	34.76	1548.6	AZ	979423.10	979596.55	-0.07	-52.82	-0.61	0.00	-27.79	-81.29	-77.86	
CAP	: H0207	33	22.63	-111	34.77	1548.5	AZ	979423.01	979596.59	-0.07	-52.81	-0.61	0.00	-27.92	-81.42	-78.01	
CAP	: H0208	33	22.64	-111	34.77	1548.8	AZ	979422.90	979596.59	-0.07	-52.82	-0.61	0.00	-28.02	-81.52	-78.12	
CAP	: H0209	33	22.66	-111	34.78	1549.4	AZ	979422.74	979596.63	-0.07	-52.85	-0.61	0.00	-28.14	-81.67	-78.26	
CAP	: H0210	33	22.68	-111	34.78	1550.0	AZ	979422.61	979596.65	-0.07	-52.87	-0.61	0.00	-28.24	-81.79	-78.38	
CAP	: H0211	33	22.69	-111	34.79	1549.8	AZ	979422.47	979596.66	-0.07	-52.86	-0.61	0.00	-28.42	-81.96	-78.55	
CAP	: H0212	33	22.71	-111	34.79	1550.0	AZ	979422.30	979596.70	-0.07	-52.87	-0.61	0.00	-28.60	-82.15	-78.74	
CAP	: H0213	33	22.72	-111	34.80	1550.4	AZ	979422.16	979596.70	-0.07	-52.88	-0.61	0.00	-28.71	-82.27	-78.86	
CAP	: H0214	33	22.75	-111	34.81	1549.8	AZ	979421.85	979596.75	-0.07	-52.86	-0.61	0.00	-29.12	-82.66	-79.25	
CAP	: H0215	33	22.79	-111	34.83	1551.1	AZ	979421.40	979596.80	-0.07	-52.90	-0.61	0.00	-29.50	-83.09	-79.68	
CAP	: H0216	33	22.81	-111	34.84	1552.0	AZ	979421.04	979596.83	-0.07	-52.93	-0.61	0.00	-29.81	-83.43	-80.01	
CAP	: H0217	33	22.84	-111	34.85	1552.4	AZ	979420.66	979596.88	-0.07	-52.95	-0.61	0.00	-30.19	-83.82	-80.40	
CAP	: H0218	33	22.87	-111	34.86	1552.7	AZ	979420.25	979596.91	-0.07	-52.96	-0.61	0.00	-30.61	-84.26	-80.84	
CAP	: H0219	33	22.91	-111	34.88	1553.4	AZ	979419.93	979596.97	-0.06	-52.98	-0.61	0.00	-30.92	-84.58	-81.16	
CAP	: H0220	33	22.94	-111	34.89	1554.5	AZ	979419.52	979597.01	-0.06	-53.02	-0.61	0.00	-31.27	-84.96	-81.54	
CAP	: H0221	33	22.97	-111	34.90	1556.1	AZ	979419.08	979597.05	-0.06	-53.07	-0.61	0.00	-31.60	-85.35	-81.93	
CAP	: H0222	33	23.00	-111	34.91	1557.5	AZ	979418.73	979597.09	-0.06	-53.12	-0.62	0.00	-31.86	-85.65	-82.23	
CAP	: H0223	33	23.03	-111	34.92	1559.3	AZ	979418.40	979597.13	-0.06	-53.18	-0.62	0.00	-32.07	-85.93	-82.50	
CAP	: H0224	33	23.06	-111	34.94	1560.3	AZ	979417.82	979597.18	-0.06	-53.22	-0.62	0.00	-32.59	-86.48	-83.05	
CAP	: H0225	33	23.09	-111	34.95	1562.4	AZ	979417.45	979597.22	-0.06	-53.29	-0.62	0.00	-32.80	-86.77	-83.33	
CAP	: H0226	33	23.16	-111	34.93	1565.6	AZ	979416.78	979597.31	-0.06	-53.40	-0.62	0.00	-33.27	-87.35	-83.90	
CAP	: H0227	33	23.18	-111	34.96	1565.7	AZ	979416.68	979597.34	-0.06	-53.40	-0.62	0.00	-33.39	-87.47	-84.03	
CAP	: H0228	33	23.21	-111	34.99	1564.9	AZ	979416.69	979597.38	-0.06	-53.37	-0.62	0.00	-33.50	-87.55	-84.11	
CAP	: H0229	33	23.23	-111	35.01	1564.9	AZ	979416.53	979597.41	-0.06	-53.37	-0.62	0.00	-33.68	-87.74	-84.29	
CAP	: H0230	33	23.26	-111	35.04	1563.6	AZ	979416.55	979597.45	-0.06	-53.33	-0.62	0.00	-33.83	-87.84	-84.40	
CAP	: H0231	33	23.28	-111	35.07	1563.4	AZ	979416.51	979597.48	-0.06	-53.32	-0.62	0.00	-33.92	-87.92	-84.48	
CAP	: H0232	33	23.31	-111	35.09	1563.3	AZ	979416.47	979597.52	-0.06	-53.32	-0.62	0.00	-34.01	-88.00	-84.57	
CAP	: H0233	33	23.33	-111	35.12	1563.9	AZ	979416.41	979597.55	-0.06	-53.34	-0.62	0.00	-34.03	-88.05	-84.61	
CAP	: H0234	33	23.36	-111	35.14	1564.3	AZ	979416.30	979597.59	-0.06	-53.35	-0.62	0.00	-34.15	-88.18	-84.74	
CAP	: H0235	33	23.38	-111	35.17	1564.8	AZ	979416.19	979597.62	-0.06	-53.37	-0.62	0.00	-34.24	-88.29	-84.85	
CAP	: H0236	33	23.41	-111	35.20	1564.6	AZ	979416.28	979597.66	-0.06	-53.36	-0.62	0.00	-34.21	-88.65	-84.81	
CAP	: H0237	33	23.43	-111	35.22	1564.3	AZ	979416.27	979597.69	-0.06	-53.35	-0.62	0.00	-34.27	-88.31	-84.86	
CAP	: H0238	33	23.46	-111	35.25	1563.7	AZ	979416.28	979597.73	-0.06	-53.33	-0.62	0.00	-34.36	-88.37	-84.94	
CAP	: H0239	33	23.49	-111	35.27	1563.6	AZ	979416.34	979597.77	-0.06	-53.33	-0.62	0.00	-34.35	-88.36	-84.92	

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION		LATITUDE		C A T I		O N S		G R A V I T Y		C O R P E C T I O N S		A N O M A L I E S				
proj	sta-id	deg	min	deg	min	ELE	ST	OBSERVED	THEORETICAL	TERRAIN BOUGUER	SPECIAL	FREE AIR	COMPLETE-BOUGUER			
		(in ft)										d1=2.07 d2=2.50				
CAP :	H0240	33	23.51	-111	35.30	1563.6	AZ	979416.31	979597.80	-0.06	-53.33	-0.62	0.00	-34.41	-88.42	-84.98
CAP :	H0241	33	23.54	-111	35.32	1562.8	AZ	979416.35	979597.84	-0.06	-53.30	-0.62	0.00	-34.49	-88.47	-85.03
CAP :	H0242	33	23.56	-111	35.35	1562.4	AZ	979416.41	979597.87	-0.06	-53.29	-0.62	0.00	-34.47	-88.46	-85.02
CAP :	H0243	33	23.58	-111	35.38	1561.3	AZ	979416.57	979597.90	-0.06	-53.25	-0.62	0.00	-34.49	-88.40	-84.96
CAP :	H0244	33	23.61	-111	35.40	1562.1	AZ	979416.57	979597.94	-0.06	-53.28	-0.62	0.00	-34.43	-88.39	-84.95
CAP :	H0245	33	23.64	-111	35.43	1562.5	AZ	979416.60	979597.98	-0.06	-53.29	-0.62	0.00	-34.41	-88.38	-84.94
CAP :	H0246	33	23.66	-111	35.45	1562.0	AZ	979416.65	979598.01	-0.06	-53.28	-0.62	0.00	-34.43	-88.39	-84.95
CAP :	H0247	33	23.68	-111	35.48	1561.8	AZ	979416.67	979598.03	-0.06	-53.27	-0.62	0.00	-34.46	-88.40	-84.97
CAP :	H0248	33	23.71	-111	35.51	1562.9	AZ	979416.66	979598.08	-0.06	-53.31	-0.62	0.00	-34.40	-88.39	-84.95
CAP :	H0249	33	23.73	-111	35.53	1563.3	AZ	979416.75	979598.10	-0.06	-53.32	-0.62	0.00	-34.31	-88.30	-84.87
CAP :	H0250	33	23.76	-111	35.56	1563.9	AZ	979416.74	979598.15	-0.06	-53.34	-0.62	0.00	-34.30	-88.32	-84.88
CAP :	H0251	33	23.78	-111	35.58	1563.9	AZ	979416.78	979598.17	-0.06	-53.34	-0.62	0.00	-34.29	-88.31	-84.87
CAP :	H0252	33	23.81	-111	35.61	1564.1	AZ	979416.85	979598.22	-0.05	-53.35	-0.62	0.00	-34.24	-88.26	-84.82
CAP :	H0253	33	23.83	-111	35.64	1564.6	AZ	979416.84	979598.24	-0.05	-53.36	-0.62	0.00	-34.23	-88.26	-84.82
CAP :	H0254	33	23.86	-111	35.66	1564.6	AZ	979416.91	979598.28	-0.05	-53.36	-0.62	0.00	-34.20	-88.23	-84.79
CAP :	H0255	33	23.88	-111	35.69	1563.8	AZ	979416.96	979598.31	-0.05	-53.34	-0.62	0.00	-34.26	-88.26	-84.82
CAP :	H0256	33	23.91	-111	35.71	1564.8	AZ	979416.99	979598.35	-0.05	-53.37	-0.62	0.00	-34.17	-88.21	-84.77
CAP :	H0257	33	23.93	-111	35.73	1564.5	AZ	979417.07	979598.38	-0.05	-53.36	-0.62	0.00	-34.15	-88.18	-84.74
CAP :	H0258	33	23.96	-111	35.76	1564.1	AZ	979417.06	979598.42	-0.06	-53.35	-0.62	0.00	-34.24	-88.26	-84.82
CAP :	H0259	33	23.99	-111	35.78	1564.3	AZ	979417.09	979598.46	-0.06	-53.35	-0.62	0.00	-34.23	-88.26	-84.82
CAP :	H0260	33	24.01	-111	35.80	1566.1	AZ	979417.06	979598.49	-0.06	-53.42	-0.62	0.00	-34.12	-88.21	-84.77
CAP :	H0261	33	24.04	-111	35.82	1565.5	AZ	979417.14	979598.53	-0.06	-53.39	-0.62	0.00	-34.14	-88.21	-84.77
CAP :	H0262	33	24.06	-111	35.85	1567.2	AZ	979417.16	979598.56	-0.05	-53.45	-0.62	0.00	-33.98	-88.10	-84.66
CAP :	H0263	33	24.09	-111	35.88	1567.2	AZ	979417.31	979598.60	-0.05	-53.45	-0.62	0.00	-33.88	-88.00	-84.55
CAP :	H0264	33	24.11	-111	35.90	1567.4	AZ	979417.35	979598.63	-0.05	-53.46	-0.62	0.00	-33.85	-87.97	-84.53
CAP :	H0265	33	24.14	-111	35.93	1567.7	AZ	979417.43	979598.67	-0.05	-53.47	-0.62	0.00	-33.76	-87.92	-84.47
CAP :	H0266	33	24.16	-111	35.95	1567.0	AZ	979417.48	979598.70	-0.05	-53.45	-0.62	0.00	-33.82	-87.93	-84.49
CAP :	H0267	33	24.18	-111	35.98	1566.9	AZ	979417.63	979598.73	-0.05	-53.44	-0.62	0.00	-33.71	-87.82	-84.37
CAP :	H0268	33	24.21	-111	36.01	1568.0	AZ	979417.60	979598.77	-0.05	-53.48	-0.62	0.00	-33.68	-87.83	-84.38
CAP :	H0269	33	24.24	-111	36.04	1567.7	AZ	979417.73	979598.81	-0.05	-53.47	-0.62	0.00	-33.62	-87.75	-84.31
CAP :	H0270	33	23.13	-111	34.99	1562.2	AZ	979417.29	979597.27	-0.06	-53.28	-0.62	0.00	-33.04	-87.00	-83.56
CAP :	H0271	33	23.17	-111	35.03	1561.5	AZ	979417.18	979597.33	-0.06	-53.26	-0.62	0.00	-33.27	-87.21	-83.77
CAP :	H0272	33	23.21	-111	35.07	1561.5	AZ	979417.07	979597.38	-0.06	-53.26	-0.62	0.00	-33.43	-87.37	-83.94
CAP :	H0273	33	23.25	-111	35.11	1560.5	AZ	979417.08	979597.44	-0.06	-53.22	-0.62	0.00	-33.56	-87.48	-84.05
CAP :	H0274	33	23.29	-111	35.15	1560.5	AZ	979416.90	979597.49	-0.06	-53.22	-0.62	0.00	-33.81	-87.71	-84.28
CAP :	H0275	33	23.32	-111	35.19	1560.4	AZ	979416.86	979597.54	-0.06	-53.22	-0.62	0.00	-33.90	-87.80	-84.37
CAP :	H0276	33	23.36	-111	35.22	1562.7	AZ	979416.49	979597.59	-0.06	-53.30	-0.62	0.00	-34.11	-88.09	-84.65
CAP :	H0277	33	23.40	-111	35.26	1561.9	AZ	979416.49	979597.65	-0.06	-53.27	-0.62	0.00	-34.24	-88.19	-84.75
CAP :	H0278	33	23.44	-111	35.30	1561.3	AZ	979416.49	979597.70	-0.06	-53.25	-0.62	0.00	-34.35	-88.28	-84.85
CAP :	H0279	33	23.48	-111	35.34	1561.0	AZ	979416.53	979597.76	-0.06	-53.24	-0.62	0.00	-34.40	-88.31	-84.88

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

BOUGUER GRAVITY DATA

page 8

STATION IDENTIFICATION	proj	sta-id	LATITUDE deg	LONGITUDE deg	TIME min	DATE min	GRAVITY OBSERVED	THEORETICAL	TEKRAIN	BOUGUER	CURV	SPECIAL	FREE AIR	NOMALIES COMPLIE-HUGUER	SPEC FIELDS
CAP : H0260	33	23.52	-111	35.38	1560.6	AZ	979416.58	979597.81	-0.06	-53.23	-0.62	0.00	-34.44	-88.35	-84.91
CAP : H0281	33	23.56	-111	35.42	1559.3	AZ	979416.76	979597.87	-0.06	-53.18	-0.62	0.00	-34.44	-88.30	-84.87
CAP : H0282	33	23.59	-111	35.46	1559.3	AZ	979416.79	979597.91	-0.06	-53.18	-0.62	0.00	-34.45	-88.31	-84.89
CAP : H0283	33	23.63	-111	35.50	1558.7	AZ	979416.84	979597.97	-0.06	-53.16	-0.62	0.00	-34.51	-88.35	-84.92
CAP : H0284	33	23.67	-111	35.54	1559.6	AZ	979416.92	979598.02	-0.06	-53.19	-0.62	0.00	-34.40	-88.27	-84.84
CAP : H0285	33	23.71	-111	35.57	1561.0	AZ	979416.88	979598.08	-0.06	-53.24	-0.62	0.00	-34.36	-88.28	-84.85
CAP : H0286	33	23.74	-111	35.61	1561.3	AZ	979416.94	979598.12	-0.06	-53.25	-0.62	0.00	-34.32	-88.25	-84.82
CAP : H0287	33	23.78	-111	35.65	1561.8	AZ	979417.06	979598.17	-0.06	-53.27	-0.62	0.00	-34.20	-88.15	-84.71
CAP : H0288	33	23.82	-111	35.69	1561.7	AZ	979417.16	979598.23	-0.05	-53.27	-0.62	0.00	-34.17	-88.10	-84.67
CAP : H0289	33	23.86	-111	35.73	1562.1	AZ	979417.18	979598.28	-0.05	-53.28	-0.62	0.00	-34.17	-88.12	-84.68
CAP : H0290	33	23.90	-111	35.76	1561.7	AZ	979417.34	979598.34	-0.05	-53.27	-0.62	0.00	-34.10	-88.03	-84.60
CAP : H0291	33	23.94	-111	35.79	1561.6	AZ	979417.47	979598.40	-0.05	-53.26	-0.62	0.00	-34.04	-87.97	-84.53
CAP : H0292	33	23.99	-111	35.82	1563.3	AZ	979417.43	979598.46	-0.06	-53.32	-0.62	0.00	-33.99	-87.98	-84.55
CAP : H0293	33	24.02	-111	35.85	1564.0	AZ	979417.48	979598.51	-0.06	-53.34	-0.62	0.00	-33.91	-87.93	-84.49
CAP : H0294	33	24.06	-111	35.89	1564.4	AZ	979417.60	979598.56	-0.05	-53.36	-0.62	0.00	-33.81	-87.83	-84.39
CAP : H0295	33	24.09	-111	35.93	1566.4	AZ	979417.62	979598.60	-0.05	-53.43	-0.62	0.00	-33.65	-87.74	-84.30
CAP : H0296	33	24.13	-111	35.97	1564.9	AZ	979417.89	979598.66	-0.05	-53.37	-0.62	0.00	-33.57	-87.61	-84.17
CAP : H0297	33	24.16	-111	36.01	1564.2	AZ	979418.09	979598.70	-0.05	-53.35	-0.62	0.00	-33.47	-87.49	-84.05
CAP : H0298	33	24.20	-111	36.05	1566.1	AZ	979418.12	979598.76	-0.05	-53.42	-0.62	0.00	-33.33	-87.41	-83.97
CAP : H0299	33	24.22	-111	36.07	1566.4	AZ	979418.16	979598.78	-0.05	-53.43	-0.62	0.00	-33.26	-87.37	-83.93
CAP : H0300	33	7.99	-111	29.88	1517.8	AZ	979417.19	979576.37	-0.15	-51.77	-0.60	0.00	-16.41	-68.93	-65.58
CAP : H0301	33	8.01	-111	29.85	1518.6	AZ	979416.87	979576.39	-0.15	-51.80	-0.60	0.00	-16.68	-69.23	-65.88
CAP : H0302	33	8.03	-111	29.81	1518.5	AZ	979416.69	979576.42	-0.14	-51.79	-0.60	0.00	-16.90	-69.43	-66.08
CAP : H0303	33	8.05	-111	29.78	1520.2	AZ	979416.34	979576.45	-0.14	-51.85	-0.60	0.00	-17.11	-69.70	-66.35
CAP : H0304	33	8.07	-111	29.76	1520.6	AZ	979416.06	979576.48	-0.14	-51.86	-0.60	0.00	-17.38	-69.98	-66.64
CAP : H0305	33	8.09	-111	29.72	1519.6	AZ	979415.94	979576.50	-0.14	-51.83	-0.60	0.00	-17.63	-70.20	-66.85
CAP : H0306	33	8.11	-111	29.69	1520.0	AZ	979415.67	979576.53	-0.14	-51.84	-0.60	0.00	-17.88	-70.47	-67.12
CAP : H0307	33	8.13	-111	29.66	1521.7	AZ	979415.39	979576.55	-0.15	-51.90	-0.60	0.00	-18.03	-70.68	-67.33
CAP : H0308	33	8.15	-111	29.63	1521.5	AZ	979415.08	979576.59	-0.16	-51.89	-0.60	0.00	-18.39	-71.05	-67.69
CAP : H0309	33	8.17	-111	29.60	1521.9	AZ	979414.83	979576.61	-0.16	-51.91	-0.60	0.00	-18.63	-71.30	-67.95
CAP : H0310	33	8.19	-111	29.57	1523.2	AZ	979414.48	979576.64	-0.16	-51.95	-0.60	0.00	-18.88	-71.59	-68.24
CAP : H0311	33	8.21	-111	29.54	1523.9	AZ	979414.15	979576.66	-0.14	-51.98	-0.60	0.00	-19.18	-71.90	-68.54
CAP : H0312	33	8.23	-111	29.50	1523.8	AZ	979413.94	979576.70	-0.13	-51.97	-0.60	0.00	-19.43	-72.13	-68.78
CAP : H0313	33	8.25	-111	29.47	1523.9	AZ	979413.74	979576.72	-0.14	-51.98	-0.60	0.00	-19.64	-72.36	-69.00
CAP : H0314	33	8.27	-111	29.44	1524.5	AZ	979413.27	979576.75	-0.14	-52.00	-0.60	0.00	-20.08	-72.62	-69.46
CAP : H0315	33	8.29	-111	29.41	1525.5	AZ	979412.98	979576.77	-0.15	-52.03	-0.60	0.00	-20.30	-73.08	-69.72
CAP : H0316	33	8.31	-111	29.38	1526.1	AZ	979412.70	979576.80	-0.15	-52.05	-0.60	0.00	-20.55	-73.36	-69.99
CAP : H0317	33	8.33	-111	29.35	1527.8	AZ	979412.33	979576.84	-0.15	-52.11	-0.61	0.00	-20.80	-73.66	-70.29
CAP : H0318	33	8.35	-111	29.31	1529.1	AZ	979411.94	979576.86	-0.15	-52.15	-0.61	0.00	-21.09	-74.00	-70.63
CAP : H0319	33	8.37	-111	29.28	1530.0	AZ	979411.71	979576.89	-0.15	-52.18	-0.61	0.00	-21.26	-74.20	-70.83

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L LATITUDE deg	C LONGITUDE deg	A TIME min	I TIME min	O TIME min	N TIME min	S TIME min	G GRAVITY THEORETICAL	T TERRAIN BOUGUER	C CORRECTION CURV	S SPECIAL	A FREE AIR	N COMPLEIF-BOUGUER d1=2.67 d2=2.50	I FIELDS
CAP : H0320	33	8.39	-111	29.26	1530.1	AZ	979576.91	979576.91	-0.15	-52.19	-0.61	0.00	-21.50	-74.44
CAP : H0321	33	8.41	-111	29.22	1529.8	AZ	979576.95	979576.95	-0.15	-52.18	-0.61	0.00	-21.83	-74.76
CAP : H0322	33	8.43	-111	29.19	1532.0	AZ	979576.97	979576.97	-0.16	-52.25	-0.61	0.00	-22.01	-75.03
CAP : H0323	33	8.45	-111	29.16	1531.6	AZ	979577.00	979577.00	-0.16	-52.24	-0.61	0.00	-22.25	-75.26
CAP : H0324	33	8.47	-111	29.13	1532.6	AZ	979577.02	979577.02	-0.16	-52.27	-0.61	0.00	-22.52	-75.56
CAP : H0325	33	8.49	-111	29.10	1532.0	AZ	979577.05	979577.05	-0.16	-52.25	-0.61	0.00	-22.70	-75.72
CAP : H0326	33	8.51	-111	29.07	1532.6	AZ	979577.08	979577.08	-0.16	-52.27	-0.61	0.00	-22.84	-75.88
CAP : H0327	33	8.53	-111	29.03	1533.8	AZ	979577.11	979577.11	-0.17	-52.31	-0.61	0.00	-23.09	-76.18
CAP : H0328	33	8.55	-111	29.00	1534.0	AZ	979577.13	979577.13	-0.16	-52.32	-0.61	0.00	-23.31	-76.40
CAP : H0329	33	8.57	-111	28.97	1534.7	AZ	979577.16	979577.16	-0.17	-52.34	-0.61	0.00	-23.51	-76.64
CAP : H0330	33	8.59	-111	28.94	1535.1	AZ	979577.19	979577.19	-0.16	-52.36	-0.61	0.00	-23.70	-76.83
CAP : H0331	33	8.61	-111	28.91	1536.2	AZ	979577.22	979577.22	-0.16	-52.39	-0.61	0.00	-24.04	-77.20
CAP : H0332	33	8.63	-111	28.88	1536.8	AZ	979577.24	979577.24	-0.16	-52.42	-0.61	0.00	-24.24	-77.42
CAP : H0333	33	8.65	-111	28.85	1537.7	AZ	979577.27	979577.27	-0.15	-52.45	-0.61	0.00	-24.39	-77.60
CAP : H0334	33	8.67	-111	28.82	1538.2	AZ	979577.30	979577.30	-0.15	-52.46	-0.61	0.00	-24.54	-77.77
CAP : H0335	33	8.69	-111	28.78	1538.0	AZ	979577.33	979577.33	-0.14	-52.46	-0.61	0.00	-24.83	-78.04
CAP : H0336	33	8.71	-111	28.75	1539.0	AZ	979577.36	979577.36	-0.14	-52.49	-0.61	0.00	-24.90	-78.14
CAP : H0337	33	8.73	-111	28.72	1540.3	AZ	979577.38	979577.38	-0.15	-52.53	-0.61	0.00	-25.01	-78.31
CAP : H0338	33	8.75	-111	28.69	1539.5	AZ	979577.41	979577.41	-0.15	-52.51	-0.61	0.00	-25.21	-78.48
CAP : H0339	33	8.77	-111	28.66	1540.1	AZ	979577.44	979577.44	-0.15	-52.53	-0.61	0.00	-25.36	-78.65
CAP : H0340	33	8.79	-111	28.63	1541.3	AZ	979577.47	979577.47	-0.16	-52.57	-0.61	0.00	-25.49	-78.83
CAP : H0341	33	8.81	-111	28.60	1541.5	AZ	979577.49	979577.49	-0.16	-52.58	-0.61	0.00	-25.63	-79.07
CAP : H0342	33	8.83	-111	28.57	1543.6	AZ	979577.52	979577.52	-0.16	-52.65	-0.61	0.00	-25.68	-79.10
CAP : H0343	33	8.85	-111	28.53	1543.7	AZ	979577.55	979577.55	-0.16	-52.65	-0.61	0.00	-25.77	-79.20
CAP : H0344	33	8.87	-111	28.51	1544.9	AZ	979577.58	979577.58	-0.17	-52.69	-0.61	0.00	-25.98	-79.46
CAP : H0345	33	8.89	-111	28.47	1545.6	AZ	979577.60	979577.60	-0.17	-52.72	-0.61	0.00	-26.03	-79.53
CAP : H0346	33	8.91	-111	28.44	1546.8	AZ	979577.63	979577.63	-0.17	-52.76	-0.61	0.00	-26.11	-79.64
CAP : H0347	33	8.93	-111	28.41	1546.9	AZ	979577.66	979577.66	-0.17	-52.76	-0.61	0.00	-26.31	-79.85
CAP : H0348	33	8.95	-111	28.38	1547.2	AZ	979577.69	979577.69	-0.17	-52.77	-0.61	0.00	-26.45	-80.00
CAP : H0349	33	8.97	-111	28.34	1549.0	AZ	979577.71	979577.71	-0.17	-52.83	-0.61	0.00	-26.49	-80.10
CAP : H0350	33	8.99	-111	28.32	1550.3	AZ	979577.74	979577.74	-0.17	-52.88	-0.61	0.00	-26.60	-80.26
CAP : H0351	33	9.01	-111	28.28	1551.3	AZ	979577.77	979577.77	-0.17	-52.91	-0.61	0.00	-26.70	-80.39
CAP : H0352	33	9.03	-111	28.25	1551.8	AZ	979577.80	979577.80	-0.17	-52.93	-0.61	0.00	-26.82	-80.53
CAP : H0353	33	9.05	-111	28.22	1552.2	AZ	979577.83	979577.83	-0.17	-52.94	-0.61	0.00	-26.90	-80.62
CAP : H0354	33	9.07	-111	28.19	1552.9	AZ	979577.85	979577.85	-0.17	-52.96	-0.61	0.00	-27.03	-80.77
CAP : H0355	33	9.09	-111	28.16	1554.0	AZ	979577.88	979577.88	-0.17	-53.00	-0.61	0.00	-27.13	-80.91
CAP : H0356	33	9.11	-111	28.12	1555.0	AZ	979577.91	979577.91	-0.17	-53.04	-0.61	0.00	-27.25	-81.07
CAP : H0357	33	9.13	-111	28.09	1556.1	AZ	979577.94	979577.94	-0.18	-53.07	-0.61	0.00	-27.36	-81.23
CAP : H0358	33	9.15	-111	28.06	1556.4	AZ	979577.96	979577.96	-0.17	-53.08	-0.61	0.00	-27.52	-81.39
CAP : H0359	33	9.17	-111	28.03	1557.5	AZ	979577.99	979577.99	-0.18	-53.12	-0.62	0.00	-27.67	-81.58

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L O C A T I O N		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S								
proj	sta-id	LATITUDE deg	LONGITUDE deg	min	sec	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FREE AIR	COMPLETE-BOUGUER	SPEC FIELDS					
				(in ft)												
CAP :	H0360	33	9.19	-111	28.00	1558.0	AZ	979403.64	979578.02	-0.17	-53.14	-0.62	0.00	-27.83	-81.75	-78.32
CAP :	H0361	33	9.21	-111	27.97	1559.3	AZ	979403.51	979578.05	-0.18	-53.18	-0.62	0.00	-27.87	-81.85	-78.41
CAP :	H0362	33	9.23	-111	27.94	1559.3	AZ	979403.31	979578.07	-0.18	-53.18	-0.62	0.00	-28.09	-82.07	-78.63
CAP :	H0363	33	9.25	-111	27.90	1560.4	AZ	979403.25	979578.10	-0.18	-53.22	-0.62	0.00	-28.08	-82.09	-78.65
CAP :	H0364	33	9.27	-111	27.87	1561.3	AZ	979403.01	979578.13	-0.18	-53.25	-0.62	0.00	-28.26	-82.31	-78.87
CAP :	H0365	33	9.29	-111	27.84	1562.5	AZ	979402.79	979578.16	-0.18	-53.29	-0.62	0.00	-28.39	-82.48	-79.04
CAP :	H0366	33	9.31	-111	27.81	1563.4	AZ	979402.71	979578.18	-0.18	-53.32	-0.62	0.00	-28.42	-82.54	-79.09
CAP :	H0367	33	9.33	-111	27.78	1564.2	AZ	979402.62	979578.21	-0.19	-53.35	-0.62	0.00	-28.46	-82.62	-79.17
CAP :	H0368	33	9.35	-111	27.76	1565.0	AZ	979402.50	979578.24	-0.19	-53.38	-0.62	0.00	-28.53	-82.72	-79.27
CAP :	H0369	33	9.37	-111	27.72	1565.8	AZ	979402.26	979578.27	-0.19	-53.41	-0.62	0.00	-28.72	-82.94	-79.49
CAP :	H0370	33	9.39	-111	27.69	1566.8	AZ	979402.13	979578.30	-0.19	-53.44	-0.62	0.00	-28.78	-83.03	-79.58
CAP :	H0371	33	9.41	-111	27.66	1567.6	AZ	979402.00	979578.32	-0.19	-53.47	-0.62	0.00	-28.87	-83.14	-79.69
CAP :	H0372	33	9.43	-111	27.63	1568.1	AZ	979401.90	979578.35	-0.19	-53.48	-0.62	0.00	-28.95	-83.24	-79.79
CAP :	H0373	33	9.45	-111	27.59	1569.1	AZ	979401.87	979578.38	-0.19	-53.52	-0.62	0.00	-28.92	-83.24	-79.78
CAP :	H0374	33	9.47	-111	27.56	1569.8	AZ	979401.75	979578.41	-0.19	-53.54	-0.62	0.00	-28.99	-83.34	-79.88
CAP :	H0375	33	9.49	-111	27.53	1570.6	AZ	979401.57	979578.43	-0.19	-53.57	-0.62	0.00	-29.13	-83.51	-80.04
CAP :	H0376	33	9.51	-111	27.50	1571.0	AZ	979401.40	979578.46	-0.19	-53.58	-0.62	0.00	-29.29	-83.68	-80.22
CAP :	H0377	33	9.53	-111	27.47	1571.7	AZ	979401.33	979578.48	-0.19	-53.61	-0.62	0.00	-29.32	-83.74	-80.27
CAP :	H0378	33	9.55	-111	27.43	1572.6	AZ	979401.11	979578.52	-0.19	-53.64	-0.62	0.00	-29.48	-83.93	-80.46
CAP :	H0379	33	9.57	-111	27.40	1573.4	AZ	979401.00	979578.54	-0.19	-53.66	-0.62	0.00	-29.54	-84.02	-80.55
CAP :	H0380	33	9.59	-111	27.38	1574.3	AZ	979400.81	979578.57	-0.19	-53.70	-0.62	0.00	-29.67	-84.18	-80.71
CAP :	H0381	33	9.61	-111	27.34	1575.2	AZ	979400.65	979578.59	-0.19	-53.73	-0.62	0.00	-29.78	-84.32	-80.85
CAP :	H0382	33	9.63	-111	27.31	1576.0	AZ	979400.43	979578.63	-0.18	-53.75	-0.62	0.00	-29.95	-84.51	-81.03
CAP :	H0383	33	9.65	-111	27.28	1576.9	AZ	979400.20	979578.65	-0.18	-53.78	-0.62	0.00	-30.12	-84.71	-81.23
CAP :	H0384	33	9.67	-111	27.25	1577.8	AZ	979399.95	979578.68	-0.18	-53.81	-0.62	0.00	-30.32	-84.93	-81.45
CAP :	H0385	33	9.69	-111	27.22	1578.9	AZ	979399.65	979578.71	-0.18	-53.85	-0.62	0.00	-30.54	-85.20	-81.72
CAP :	H0386	33	9.71	-111	27.19	1579.7	AZ	979399.31	979578.73	-0.18	-53.88	-0.62	0.00	-30.83	-85.51	-82.03
CAP :	H0387	33	9.73	-111	27.16	1581.1	AZ	979399.08	979578.77	-0.18	-53.93	-0.62	0.00	-30.96	-85.69	-82.21
CAP :	H0388	33	9.75	-111	27.12	1581.9	AZ	979398.79	979578.79	-0.18	-53.95	-0.62	0.00	-31.20	-85.96	-82.48
CAP :	H0389	33	9.77	-111	27.09	1583.0	AZ	979398.48	979578.82	-0.18	-53.99	-0.62	0.00	-31.45	-86.23	-82.74
CAP :	H0390	33	9.79	-111	27.06	1583.7	AZ	979398.23	979578.84	-0.18	-54.02	-0.62	0.00	-31.64	-86.46	-82.97
CAP :	H0391	33	9.81	-111	27.02	1584.6	AZ	979397.85	979578.88	-0.18	-54.05	-0.62	0.00	-31.97	-86.82	-83.33
CAP :	H0392	33	9.83	-111	26.99	1585.9	AZ	979397.50	979578.90	-0.18	-54.09	-0.63	0.00	-32.23	-87.12	-83.63
CAP :	H0393	33	9.85	-111	26.96	1587.0	AZ	979397.17	979578.93	-0.18	-54.13	-0.63	0.00	-32.48	-87.41	-83.91
CAP :	H0394	33	9.87	-111	26.93	1588.0	AZ	979396.88	979578.95	-0.18	-54.16	-0.63	0.00	-32.70	-87.67	-84.17
CAP :	H0395	33	9.89	-111	26.90	1588.9	AZ	979396.56	979578.98	-0.18	-54.19	-0.63	0.00	-32.96	-87.96	-84.45
CAP :	H0396	33	9.91	-111	26.87	1590.0	AZ	979396.27	979579.01	-0.17	-54.23	-0.63	0.00	-33.15	-88.21	-84.70
CAP :	H0397	33	9.93	-111	26.84	1590.9	AZ	979395.87	979579.04	-0.17	-54.26	-0.63	0.00	-33.53	-88.58	-85.08
CAP :	H0398	33	9.95	-111	26.81	1592.1	AZ	979395.52	979579.06	-0.17	-54.30	-0.63	0.00	-33.79	-88.84	-85.34
CAP :	H0399	33	9.97	-111	26.77	1593.5	AZ	979395.25	979579.09	-0.17	-54.34	-0.63	0.00	-33.97	-89.11	-85.60

BUUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L U C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S									
proj	sta-id	LATITUDE	LONGITUDE	ELE	ST	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE	BOUGUER	SPEC			
		deg	min	deg	min	(in ft)									d1=2.67	d2=2.50	FIELDS
CAP :	H0400	33	9.99	-111	26.74	1594.0	AZ	979395.00	979579.13	-0.17	-54.37	-0.63	0.00	-34.14	-89.35	-85.84	
CAP :	H0401	33	10.01	-111	26.71	1595.0	AZ	979394.73	979579.15	-0.17	-54.40	-0.63	0.00	-34.38	-89.58	-86.07	
CAP :	H0402	33	10.03	-111	26.67	1596.3	AZ	979394.37	979579.18	-0.17	-54.44	-0.63	0.00	-34.66	-89.90	-86.38	
CAP :	H0403	33	10.05	-111	26.65	1597.3	AZ	979394.18	979579.20	-0.17	-54.48	-0.63	0.00	-34.78	-90.06	-86.54	
CAP :	H0404	33	10.07	-111	26.61	1598.3	AZ	979393.89	979579.23	-0.17	-54.51	-0.63	0.00	-35.00	-90.31	-86.79	
CAP :	H0405	33	10.09	-111	26.58	1599.1	AZ	979393.52	979579.26	-0.17	-54.54	-0.63	0.00	-35.32	-90.66	-87.14	
CAP :	H0406	33	10.11	-111	26.55	1600.2	AZ	979393.19	979579.29	-0.17	-54.58	-0.63	0.00	-35.58	-90.96	-87.43	
CAP :	H0407	33	10.13	-111	26.52	1600.6	AZ	979392.93	979579.31	-0.17	-54.59	-0.63	0.00	-35.83	-91.22	-87.69	
CAP :	H0408	33	10.15	-111	26.49	1601.8	AZ	979392.59	979579.34	-0.17	-54.63	-0.63	0.00	-36.08	-91.51	-87.98	
CAP :	H0409	33	10.17	-111	26.45	1602.2	AZ	979392.34	979579.37	-0.17	-54.65	-0.63	0.00	-36.32	-91.77	-88.24	
CAP :	H0410	33	10.19	-111	26.43	1603.4	AZ	979392.03	979579.40	-0.17	-54.69	-0.63	0.00	-36.54	-92.03	-88.50	
CAP :	H0411	33	10.21	-111	26.39	1604.8	AZ	979391.80	979579.42	-0.17	-54.73	-0.63	0.00	-36.68	-92.21	-88.68	
CAP :	H0412	33	10.23	-111	26.37	1605.7	AZ	979391.50	979579.45	-0.17	-54.77	-0.63	0.00	-36.92	-92.48	-88.95	
CAP :	H0413	33	10.25	-111	26.33	1606.4	AZ	979391.25	979579.48	-0.16	-54.79	-0.63	0.00	-37.13	-92.71	-89.17	
CAP :	H0414	33	10.27	-111	26.30	1607.6	AZ	979390.95	979579.51	-0.16	-54.83	-0.63	0.00	-37.34	-92.96	-89.42	
CAP :	H0415	33	10.29	-111	26.27	1608.4	AZ	979390.68	979579.53	-0.16	-54.86	-0.63	0.00	-37.56	-93.22	-89.67	
CAP :	H0416	33	10.31	-111	26.24	1609.5	AZ	979390.45	979579.56	-0.16	-54.90	-0.63	0.00	-37.71	-93.40	-89.86	
CAP :	H0417	33	10.33	-111	26.21	1610.5	AZ	979390.18	979579.59	-0.16	-54.93	-0.63	0.00	-37.92	-93.65	-90.10	
CAP :	H0418	33	10.35	-111	26.18	1611.4	AZ	979389.96	979579.62	-0.16	-54.96	-0.63	0.00	-38.09	-93.84	-90.29	
CAP :	H0419	33	10.37	-111	26.15	1612.7	AZ	979389.87	979579.65	-0.16	-55.00	-0.63	0.00	-38.08	-93.88	-90.33	
CAP :	H0420	33	10.39	-111	26.11	1614.1	AZ	979389.58	979579.67	-0.16	-55.05	-0.63	0.00	-38.27	-94.12	-90.56	
CAP :	H0421	33	10.41	-111	26.08	1615.3	AZ	979389.36	979579.70	-0.16	-55.09	-0.64	0.00	-38.40	-94.29	-90.73	
CAP :	H0422	33	10.43	-111	26.05	1616.2	AZ	979389.14	979579.73	-0.16	-55.12	-0.64	0.00	-38.56	-94.48	-90.92	
CAP :	H0423	33	10.45	-111	26.02	1617.0	AZ	979388.92	979579.76	-0.15	-55.15	-0.64	0.00	-38.74	-94.67	-91.11	
CAP :	H0424	33	10.47	-111	25.99	1618.0	AZ	979388.69	979579.78	-0.15	-55.19	-0.64	0.00	-38.90	-94.87	-91.31	
CAP :	H0425	33	10.49	-111	25.96	1618.7	AZ	979388.40	979579.81	-0.15	-55.21	-0.64	0.00	-39.15	-95.15	-91.58	
CAP :	H0426	33	10.51	-111	25.93	1619.9	AZ	979388.24	979579.84	-0.15	-55.25	-0.64	0.00	-39.22	-95.26	-91.69	
CAP :	H0427	33	10.53	-111	25.89	1621.1	AZ	979387.90	979579.87	-0.15	-55.29	-0.64	0.00	-39.48	-95.56	-91.99	
CAP :	H0428	33	10.55	-111	25.86	1622.2	AZ	979387.72	979579.89	-0.15	-55.33	-0.64	0.00	-39.59	-95.70	-92.13	
CAP :	H0429	33	10.57	-111	25.83	1623.4	AZ	979387.50	979579.92	-0.15	-55.37	-0.64	0.00	-39.72	-95.88	-92.30	
CAP :	H0430	33	10.59	-111	25.80	1624.9	AZ	979387.23	979579.95	-0.15	-55.42	-0.64	0.00	-39.87	-96.08	-92.50	
CAP :	H0431	33	10.61	-111	25.76	1626.0	AZ	979387.05	979579.98	-0.15	-55.46	-0.64	0.00	-39.99	-96.23	-92.65	
CAP :	H0432	33	10.63	-111	25.73	1626.8	AZ	979386.91	979580.01	-0.15	-55.49	-0.64	0.00	-40.07	-96.34	-92.76	
CAP :	H0433	33	10.65	-111	25.70	1627.7	AZ	979386.72	979580.03	-0.14	-55.52	-0.64	0.00	-40.21	-96.50	-92.92	
CAP :	H0434	33	10.67	-111	25.67	1628.7	AZ	979386.52	979580.06	-0.14	-55.55	-0.64	0.00	-40.34	-96.67	-93.08	
CAP :	H0435	33	10.69	-111	25.64	1629.5	AZ	979386.38	979580.09	-0.13	-55.58	-0.64	0.00	-40.43	-96.78	-93.19	
CAP :	H0436	33	10.71	-111	25.61	1631.0	AZ	979386.14	979580.12	-0.13	-55.63	-0.64	0.00	-40.50	-96.96	-93.37	
CAP :	H0437	33	10.73	-111	25.58	1631.9	AZ	979385.99	979580.14	-0.13	-55.66	-0.64	0.00	-40.65	-97.08	-93.49	
CAP :	H0438	33	10.75	-111	25.54	1633.1	AZ	979385.71	979580.17	-0.13	-55.70	-0.64	0.00	-40.84	-97.32	-93.72	
CAP :	H0439	33	21.96	-111	34.42	1539.8	AZ	979430.17	979595.66	-0.08	-52.52	-0.61	0.00	-20.65	-73.85	-70.47	

BOUGUER GRAVITY DATA

page 12

CENTRAL ARIZONA PROJECT GRAVITY SURVEY

JAN 1978 thru MAY 1979

Meter ID: Date: 05/13/80

STATION IDENTIFICATION		LATITUDE		C A T I		O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S				
proj	sta-id	deg	min	deg	min	ELE	ST	OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FREE AIR	COMPLETE-BOUGUER			
		(in ft)														
CAP :	H0440	33	21.99	-111	34.39	1541.7	AZ	979429.60	979595.70	-0.04	-52.58	-0.61	0.00	-21.08	-74.35	-70.96
CAP :	H0441	33	22.01	-111	34.36	1543.8	AZ	979429.06	979595.73	-0.08	-52.65	-0.61	0.00	-21.45	-74.79	-71.40
CAP :	H0442	33	22.03	-111	34.34	1545.9	AZ	979428.51	979595.75	-0.08	-52.73	-0.61	0.00	-21.83	-75.25	-71.85
CAP :	H0443	33	22.05	-111	34.31	1547.1	AZ	979428.02	979595.78	-0.08	-52.77	-0.61	0.00	-22.23	-75.69	-72.29
CAP :	H0444	33	22.07	-111	34.28	1548.6	AZ	979427.77	979595.80	-0.07	-52.82	-0.61	0.00	-22.37	-75.87	-72.46
CAP :	H0445	33	22.10	-111	34.25	1550.7	AZ	979427.77	979595.85	-0.07	-52.89	-0.61	0.00	-22.21	-75.79	-72.58
CAP :	H0446	33	22.12	-111	34.22	1552.4	AZ	979427.75	979595.88	-0.07	-52.95	-0.61	0.00	-22.10	-75.74	-72.32
CAP :	H0447	33	22.14	-111	34.19	1554.7	AZ	979427.72	979595.91	-0.07	-53.03	-0.61	0.00	-21.95	-75.66	-72.24
CAP :	H0448	33	22.17	-111	34.16	1556.0	AZ	979427.09	979595.95	-0.07	-53.07	-0.61	0.00	-22.49	-76.25	-72.82
CAP :	H0449	33	22.19	-111	34.14	1557.6	AZ	979426.33	979595.98	-0.07	-53.13	-0.62	0.00	-23.13	-76.94	-73.52
CAP :	H0450	33	22.21	-111	34.11	1559.4	AZ	979425.60	979596.00	-0.07	-53.19	-0.62	0.00	-23.72	-77.59	-74.16
CAP :	H0451	33	22.23	-111	34.08	1561.2	AZ	979424.94	979596.03	-0.07	-53.25	-0.62	0.00	-24.24	-78.17	-74.73
CAP :	H0452	33	22.26	-111	34.05	1562.7	AZ	979424.37	979596.07	-0.07	-53.30	-0.62	0.00	-24.71	-78.70	-75.26
CAP :	H0453	33	22.28	-111	34.02	1563.9	AZ	979423.84	979596.10	-0.07	-53.34	-0.62	0.00	-25.15	-79.18	-75.74
CAP :	H0454	33	22.30	-111	33.99	1565.5	AZ	979423.24	979596.13	-0.07	-53.39	-0.62	0.00	-25.63	-79.71	-76.27
CAP :	H0455	33	22.32	-111	33.96	1566.9	AZ	979422.67	979596.16	-0.07	-53.44	-0.62	0.00	-26.10	-80.23	-76.78
CAP :	H0456	33	22.34	-111	33.93	1568.4	AZ	979422.11	979596.18	-0.07	-53.49	-0.62	0.00	-26.54	-80.73	-77.28
CAP :	H0457	33	22.36	-111	33.90	1569.2	AZ	979421.65	979596.21	-0.06	-53.52	-0.62	0.00	-26.96	-81.16	-77.71
CAP :	H0458	33	22.39	-111	33.87	1570.8	AZ	979421.01	979596.25	-0.05	-53.58	-0.62	0.00	-27.49	-81.74	-78.29
CAP :	H0459	33	22.41	-111	33.84	1573.4	AZ	979420.59	979596.28	-0.06	-53.66	-0.62	0.00	-27.69	-82.03	-78.57
CAP :	H0460	33	22.44	-111	33.81	1576.4	AZ	979420.07	979596.32	-0.06	-53.77	-0.62	0.00	-27.97	-82.42	-78.95
CAP :	H0461	33	22.46	-111	33.78	1577.3	AZ	979419.57	979596.34	-0.06	-53.80	-0.62	0.00	-28.41	-82.89	-79.42
CAP :	H0462	33	22.48	-111	33.75	1579.1	AZ	979419.04	979596.38	-0.05	-53.86	-0.62	0.00	-28.80	-83.33	-79.86
CAP :	H0463	33	22.51	-111	33.72	1581.5	AZ	979418.52	979596.41	-0.05	-53.94	-0.62	0.00	-29.13	-83.75	-80.27
CAP :	H0464	33	22.53	-111	33.70	1583.5	AZ	979418.06	979596.45	-0.05	-54.01	-0.62	0.00	-29.43	-84.12	-80.64
CAP :	H0465	33	22.55	-111	33.66	1585.3	AZ	979417.62	979596.47	-0.05	-54.07	-0.62	0.00	-29.74	-84.48	-81.00
CAP :	H0466	33	22.27	-111	33.79	1570.0	AZ	979422.13	979596.09	-0.06	-53.55	-0.62	0.00	-26.27	-80.50	-77.05
CAP :	H0467	33	22.18	-111	33.79	1567.0	AZ	979423.17	979595.96	-0.07	-53.45	-0.62	0.00	-25.39	-79.53	-76.08
CAP :	H0468	33	22.09	-111	33.79	1561.0	AZ	979424.31	979595.84	-0.06	-53.44	-0.62	0.00	-24.69	-78.61	-75.18
CAP :	H0469	33	22.01	-111	33.79	1559.0	AZ	979425.15	979595.73	-0.06	-53.17	-0.62	0.00	-23.93	-77.78	-74.55
CAP :	H0470	33	21.92	-111	33.79	1556.0	AZ	979425.60	979595.60	-0.07	-53.07	-0.61	0.00	-23.64	-77.39	-73.97
CAP :	H0471	33	21.83	-111	33.79	1553.0	AZ	979425.82	979595.48	-0.08	-52.97	-0.61	0.00	-23.58	-77.24	-73.82
CAP :	H0472	33	21.74	-111	33.79	1550.0	AZ	979425.94	979595.35	-0.07	-52.87	-0.61	0.00	-23.62	-77.17	-73.76
CAP :	H0473	33	21.65	-111	33.79	1544.0	AZ	979426.09	979595.23	-0.07	-52.86	-0.61	0.00	-23.90	-77.24	-73.85
CAP :	H0474	33	22.36	-111	34.36	1554.0	AZ	979423.92	979596.21	-0.07	-53.00	-0.61	0.00	-26.11	-79.60	-76.58
CAP :	H0475	33	22.36	-111	34.26	1560.0	AZ	979423.64	979596.21	-0.06	-53.21	-0.62	0.00	-25.83	-79.71	-76.28
CAP :	H0476	33	22.36	-111	34.16	1562.0	AZ	979423.33	979596.21	-0.06	-53.28	-0.62	0.00	-25.95	-79.91	-76.47
CAP :	H0477	33	23.58	-111	35.85	1549.0	AZ	979419.15	979597.90	-0.06	-52.83	-0.61	0.00	-33.04	-86.55	-83.14
CAP :	H0478	33	23.51	-111	35.84	1542.0	AZ	979419.67	979597.80	-0.06	-52.59	-0.61	0.00	-33.08	-86.35	-82.96
CAP :	H0479	33	23.33	-111	35.84	1538.0	AZ	979420.31	979597.55	-0.07	-52.46	-0.61	0.00	-32.57	-85.71	-82.52

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN MAY 1979
 Meter ID: Date: 05/13/80

BOUGUER GRAVITY DATA

page 13

STATION IDENTIFICATION proj sta-id	L LATITUDE deg min	C LONGITUDE deg min	A TIME min	O ELEVATION (in ft)	N ST	G OBSERVED	A THEORETICAL	T TERRAIN	C BOUGUER	R CURV	S SPECIAL	F FREE AIR	A ANOMALIES COMPLETE-BUIGUER d1=2.67 d2=2.50 FIELDS
CAP : H0480	33 23.16	-111 35.84		1533.0	AZ	979420.71	979597.31	-0.07	-52.29	-0.61	0.00	-32.41	-85.37 -82.00
CAP : H0481	33 22.94	-111 35.84		1526.0	AZ	979421.23	979597.01	-0.08	-52.05	-0.60	0.00	-32.24	-84.97 -81.61
CAP : H0482	33 22.74	-111 35.84		1518.0	AZ	979422.11	979596.73	-0.09	-51.78	-0.60	0.00	-31.84	-84.30 -80.96
CAP : H5913p	33 22.74	-111 36.11		1512.0	AZ	979422.16	979596.73	-0.09	-51.57	-0.60	0.00	-32.35	-84.61 -81.28
CAP : H0483	33 23.27	-111 36.31		1520.0	AZ	979421.66	979597.47	-0.08	-51.84	-0.60	0.00	-32.83	-85.35 -82.01
CAP : H0484	33 23.68	-111 35.84		1550.0	AZ	979418.95	979598.03	-0.06	-52.87	-0.61	0.00	-33.28	-86.62 -83.41
CAP : H0485	33 23.77	-111 35.84		1554.0	AZ	979418.68	979598.16	-0.06	-53.09	-0.61	0.00	-33.31	-86.94 -83.57
CAP : H0486	33 23.87	-111 35.84		1558.0	AZ	979418.05	979598.30	-0.06	-53.14	-0.62	0.00	-33.70	-87.52 -84.09
CAP : H0487	33 23.94	-111 35.84		1560.0	AZ	979417.73	979598.40	-0.06	-53.21	-0.62	0.00	-33.92	-87.81 -84.38
CAP : H0488	33 24.12	-111 35.86		1568.0	AZ	979416.99	979598.64	-0.05	-53.48	-0.62	0.00	-34.16	-88.31 -84.86
CAP : H0489	33 24.21	-111 35.84		1571.0	AZ	979416.69	979598.77	-0.05	-53.58	-0.62	0.00	-34.31	-88.56 -85.11
CAP : H0490	33 24.30	-111 35.85		1574.0	AZ	979416.46	979598.89	-0.04	-53.69	-0.62	0.00	-34.38	-88.72 -85.26
CAP : H0491	33 24.38	-111 35.85		1578.0	AZ	979416.03	979599.01	-0.04	-53.82	-0.62	0.00	-34.54	-89.03 -85.56
CAP : H0492	33 24.47	-111 35.85		1579.0	AZ	979415.77	979599.13	-0.04	-53.86	-0.62	0.00	-34.83	-89.35 -85.68
CAP : H0493	33 24.56	-111 35.84		1583.0	AZ	979415.40	979599.25	-0.03	-53.99	-0.62	0.00	-34.95	-89.60 -86.12
CAP : H0494	33 24.73	-111 35.84		1590.0	AZ	979414.66	979599.49	-0.02	-54.23	-0.63	0.00	-35.27	-90.14 -86.65
CAP : H0495	33 24.90	-111 35.84		1604.0	AZ	979414.34	979599.73	-0.02	-54.71	-0.63	0.00	-34.50	-89.86 -86.34
CAP : H0496	33 25.13	-111 35.82		1612.0	AZ	979414.04	979600.04	0.01	-54.98	-0.63	0.00	-33.57	-89.18 -85.63
CAP : H0497	33 25.34	-111 35.83		1622.0	AZ	979415.64	979600.34	0.03	-55.32	-0.64	0.00	-32.12	-88.05 -84.49
CAP : H0498	33 25.74	-111 35.83		1640.0	AZ	979415.50	979600.89	0.11	-55.94	-0.64	0.00	-31.13	-87.60 -84.00
CAP : H0499	33 26.21	-111 35.82		1675.0	AZ	979412.27	979601.54	0.13	-57.13	-0.66	0.00	-31.71	-89.37 -85.70
CAP : H0500	33 25.98	-111 35.82		1660.0	AZ	979413.86	979601.22	0.10	-56.62	-0.65	0.00	-31.22	-88.39 -84.75
CAP : H0501	33 23.60	-111 41.05		1375.0	AZ	979430.38	979597.92	-0.16	-46.40	-0.55	0.00	-34.20	-85.81 -82.78
CAP : H0502	33 24.49	-111 41.03		1399.0	AZ	979433.40	979599.16	-0.15	-47.72	-0.56	0.00	-34.16	-86.59 -79.51
CAP : H0503	33 24.46	-111 40.51		1415.0	AZ	979432.06	979599.12	-0.13	-48.26	-0.57	0.00	-33.95	-86.91 -79.79
CAP : H0504	33 23.60	-111 40.54		1392.0	AZ	979428.64	979597.92	-0.15	-47.48	-0.56	0.00	-38.35	-86.53 -83.46
CAP : H0505	33 24.47	-111 40.02		1433.0	AZ	979431.09	979599.13	-0.13	-48.88	-0.57	0.00	-33.24	-86.82 -79.66
CAP : H0506	33 24.47	-111 39.50		1447.0	AZ	979430.00	979599.13	-0.12	-49.35	-0.58	0.00	-33.02	-85.07 -79.88
CAP : H0507	33 24.47	-111 38.98		1467.0	AZ	979428.04	979599.13	-0.11	-50.03	-0.58	0.00	-33.10	-83.33 -80.60
CAP : H0508	33 24.47	-111 38.71		1475.0	AZ	979426.86	979599.13	-0.10	-50.31	-0.59	0.00	-33.53	-84.52 -81.27
CAP : H0509	33 24.47	-111 38.49		1481.0	AZ	979426.13	979599.13	-0.09	-50.51	-0.59	0.00	-33.69	-84.88 -81.62
CAP : H0510	33 24.46	-111 38.18		1496.0	AZ	979425.58	979599.12	-0.09	-51.02	-0.59	0.00	-32.82	-84.53 -81.23
CAP : H0511	33 24.47	-111 37.92		1511.0	AZ	979425.09	979599.13	-0.09	-51.54	-0.60	0.00	-31.91	-84.12 -80.80
CAP : H0512	33 24.47	-111 37.86		1516.0	AZ	979425.16	979599.13	-0.08	-51.71	-0.60	0.00	-31.36	-83.75 -80.42
CAP : H0513	33 24.47	-111 37.74		1520.0	AZ	979425.26	979599.13	-0.08	-51.84	-0.60	0.00	-30.89	-83.42 -80.08
CAP : H0514	33 24.47	-111 37.62		1525.0	AZ	979425.46	979599.13	-0.08	-52.01	-0.60	0.00	-30.22	-82.92 -79.56
CAP : H0515	33 24.47	-111 37.52		1529.0	AZ	979425.18	979599.13	-0.07	-52.15	-0.61	0.00	-30.13	-82.95 -79.59
CAP : H0516	33 24.47	-111 37.40		1533.0	AZ	979424.67	979599.13	-0.07	-52.29	-0.61	0.00	-30.26	-83.22 -79.85
CAP : H0517	33 24.47	-111 37.31		1536.0	AZ	979424.37	979599.13	-0.07	-52.39	-0.61	0.00	-30.28	-83.35 -79.97
CAP : H0518	33 24.47	-111 37.22		1540.0	AZ	979424.12	979599.13	-0.07	-52.52	-0.61	0.00	-30.16	-83.36 -79.97

BOUGUER GRAVITY DATA

page 14

CENTRAL ARIZONA PROJECT GRAVITY SURVEY

JAN 1978 thru MAY 1979

Meter ID:

Date: 05/13/80

STATION IDENTIFICATION proj sta-id	LATITUDE deg min	LONGITUDE deg min	ELEVATION (in ft)	GRAVITY OBSERVED THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FREE AIR	ANOMALIES COMPLETE-BOUGUER d1=2.67 d2=2.50 FIELDS
CAP : H0519	33 24.47	-111 37.10	1541.0 AZ	979423.37	979599.13	0.00	-30.81	-84.05
CAP : H0520	33 24.47	-111 37.00	1546.0 AZ	979422.61	979599.13	0.00	-31.10	-84.51
CAP : H0522	33 24.47	-111 36.78	1553.0 AZ	979421.43	979599.13	0.00	-31.62	-85.26
CAP : H0523	33 24.47	-111 36.66	1560.0 AZ	979420.70	979599.13	0.00	-31.69	-85.57
CAP : H0524	33 24.47	-111 36.60	1562.0 AZ	979420.13	979599.13	0.00	-32.07	-86.02
CAP : H0525	33 24.47	-111 36.47	1565.0 AZ	979419.50	979599.13	0.00	-32.42	-86.47
CAP : H0526	33 24.47	-111 36.37	1566.0 AZ	979419.31	979599.13	0.00	-32.51	-86.59
CAP : H0527	33 24.47	-111 36.28	1570.0 AZ	979418.16	979599.13	0.00	-33.29	-87.50
CAP : H0528	33 24.47	-111 36.19	1571.0 AZ	979417.45	979599.13	0.00	-33.90	-88.16
CAP : H0529	33 24.47	-111 36.07	1574.0 AZ	979416.81	979599.13	0.00	-34.26	-88.61
CAP : H0530	33 24.47	-111 35.97	1578.0 AZ	979416.13	979599.13	0.00	-34.57	-89.05
CAP : H0531	33 24.47	-111 35.74	1584.0 AZ	979414.79	979599.13	0.00	-35.35	-90.04
CAP : H0532	33 24.47	-111 35.63	1589.0 AZ	979414.04	979599.13	0.00	-35.62	-90.49
CAP : H0533	33 24.46	-111 35.55	1591.0 AZ	979413.51	979599.12	0.00	-35.95	-90.88
CAP : H0534	33 24.47	-111 35.44	1595.0 AZ	979413.27	979599.13	0.00	-35.82	-90.88
CAP : H0535	33 24.46	-111 35.33	1599.0 AZ	979412.64	979599.12	0.00	-36.07	-91.26
CAP : H0536	33 24.46	-111 35.21	1601.0 AZ	979412.12	979599.12	0.00	-36.41	-91.67
CAP : H0537	33 24.46	-111 35.12	1602.0 AZ	979411.47	979599.12	0.00	-36.96	-92.25
CAP : H0538	33 24.46	-111 35.02	1608.0 AZ	979410.90	979599.12	0.00	-36.96	-92.46
CAP : H0539	33 24.46	-111 34.90	1614.0 AZ	979410.16	979599.12	0.00	-37.13	-92.04
CAP : H0540	33 24.46	-111 34.78	1617.0 AZ	979409.43	979599.12	0.00	-37.59	-93.39
CAP : H0541	33 24.46	-111 34.55	1629.0 AZ	979407.83	979599.12	0.00	-38.00	-94.27
CAP : H0542	33 24.47	-111 34.27	1638.0 AZ	979406.35	979599.13	0.00	-38.70	-95.21
CAP : H0543	33 24.08	-111 34.30	1622.0 AZ	979406.97	979598.59	0.00	-39.05	-95.03
CAP : H0544	33 24.47	-111 34.01	1648.0 AZ	979404.95	979599.13	0.00	-39.16	-95.47
CAP : H0545	33 24.46	-111 33.77	1662.0 AZ	979403.93	979599.12	0.00	-38.85	-96.17
CAP : H0546	33 24.27	-111 33.76	1649.0 AZ	979403.95	979598.85	0.00	-39.79	-96.67
CAP : H0547	33 24.46	-111 33.22	1683.0 AZ	979401.58	979599.12	0.00	-39.23	-97.25
CAP : H0548	33 24.46	-111 32.76	1704.0 AZ	979400.11	979599.12	0.00	-38.72	-97.45
CAP : H0549	33 23.58	-111 32.73	1666.0 AZ	979402.77	979597.90	0.00	-38.42	-95.86
CAP : H0550	33 23.58	-111 32.21	1678.0 AZ	979401.62	979597.90	0.00	-38.45	-96.28
CAP : H0551	33 23.58	-111 31.70	1680.0 AZ	979400.71	979597.90	0.00	-39.16	-97.04
CAP : H0552	33 25.64	-111 35.82	1650.0 AZ	979416.55	979600.75	0.00	-29.00	-85.86
CAP : H0553	33 26.75	-111 35.82	1719.0 AZ	979409.10	979602.29	0.00	-31.49	-90.65
CAP : H0554	33 26.20	-111 36.89	1670.0 AZ	979415.82	979601.52	0.00	-28.62	-86.18
CAP : H0555	33 25.78	-111 36.90	1630.0 AZ	979418.06	979600.95	0.00	-29.60	-85.82
CAP : H0556	33 25.33	-111 36.90	1596.0 AZ	979419.62	979600.52	0.00	-30.58	-86.66
CAP : H0557	33 25.13	-111 36.89	1581.0 AZ	979419.60	979600.04	0.00	-31.73	-86.50
CAP : H0558	33 24.69	-111 36.91	1558.0 AZ	979421.40	979599.43	0.00	-31.49	-85.29
CAP : H0559	33 24.69	-111 36.61	1568.0 AZ	979420.04	979599.43	0.00	-31.90	-86.05

BOUGUER GRAVITY DATA

page 15

CENTRAL ARIZONA PROJECT GRAVITY SURVEY

JAN 1978 thru MAY 1979

Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L O C A T I O N		E L E		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S					
proj	sta-id	LATITUDE	LONGITUDE	deg	min	(in ft)	THEORETICAL	TERRAIN	BOUGUER	SPECIAL	FREE	COMPLETE-BOUGUER	SPEC		
		deg	min	deg	min						AIR	d1=2.67	d2=2.50		
													FIELDS		
CAP :	H0560	33 24.54	-111 36.61	-111	36.61	1560.0	AZ	979599.23	-0.06	-53.21	-0.62	0.00	-32.07	-85.96	-82.53
CAP :	H0561	33 24.62	-111 36.90	-111	36.90	1557.0	AZ	979599.34	-0.06	-53.10	-0.62	0.00	-31.13	-84.91	-81.49
CAP :	H0562	33 21.86	-111 40.20	-111	40.20	1362.0	AZ	979423.76	-0.19	-45.45	-0.55	0.00	-43.64	-90.83	-87.63
CAP :	H0563	33 22.24	-111 39.16	-111	39.16	1398.0	AZ	979422.72	-0.16	-47.68	-0.56	0.00	-41.82	-90.22	-87.14
CAP :	H0564	33 22.43	-111 38.64	-111	38.64	1420.0	AZ	979422.23	-0.15	-48.43	-0.57	0.00	-40.50	-84.65	-86.52
CAP :	H0565	33 22.61	-111 38.14	-111	38.14	1446.0	AZ	979596.55	-0.14	-49.32	-0.58	0.00	-38.04	-88.07	-84.89
CAP :	H0566	33 22.72	-111 37.92	-111	37.92	1460.0	AZ	979596.70	-0.13	-49.80	-0.58	0.00	-36.80	-87.30	-84.09
CAP :	H0567	33 22.75	-111 37.98	-111	37.98	1457.0	AZ	979596.75	-0.13	-49.69	-0.58	0.00	-37.11	-87.31	-84.50
CAP :	H0568	33 23.14	-111 37.93	-111	37.93	1468.0	AZ	979597.29	-0.12	-50.07	-0.58	0.00	-36.64	-87.41	-84.18
CAP :	H0569	33 23.61	-111 37.94	-111	37.94	1484.0	AZ	979597.94	-0.12	-50.61	-0.59	0.00	-35.21	-86.53	-83.27
CAP :	H0570	33 23.60	-111 38.20	-111	38.20	1475.0	AZ	979597.92	-0.12	-50.31	-0.59	0.00	-35.99	-87.01	-83.76
CAP :	H0571	33 23.60	-111 38.45	-111	38.45	1466.0	AZ	979597.92	-0.12	-50.00	-0.58	0.00	-36.59	-87.29	-84.07
CAP :	H0572	33 23.60	-111 38.96	-111	38.96	1445.0	AZ	979423.99	-0.13	-49.29	-0.58	0.00	-38.01	-88.00	-84.82
CAP :	H0573	33 23.61	-111 39.50	-111	39.50	1427.0	AZ	979425.53	-0.13	-48.67	-0.57	0.00	-38.18	-87.55	-84.41
CAP :	H0574	33 23.60	-111 40.00	-111	40.00	1412.0	AZ	979426.84	-0.14	-48.16	-0.56	0.00	-38.26	-87.13	-84.02
CAP :	H0575	33 24.25	-111 36.90	-111	36.90	1541.0	AZ	979422.66	-0.07	-52.56	-0.61	0.00	-31.21	-84.45	-81.06
CAP :	H0576	33 24.03	-111 36.90	-111	36.90	1531.0	AZ	979422.68	-0.08	-52.22	-0.61	0.00	-31.83	-84.73	-81.37
CAP :	H0577	33 23.77	-111 36.90	-111	36.90	1521.0	AZ	979422.49	-0.08	-51.88	-0.60	0.00	-32.60	-85.16	-81.81
CAP :	H0578	33 23.59	-111 36.89	-111	36.89	1515.0	AZ	979597.91	-0.08	-51.07	-0.60	0.00	-32.81	-85.18	-81.84
CAP :	H0579	33 23.36	-111 36.86	-111	36.86	1508.0	AZ	979597.59	-0.10	-51.43	-0.60	0.00	-32.81	-84.94	-81.62
CAP :	H0580	33 23.08	-111 36.85	-111	36.85	1497.0	AZ	979597.20	-0.11	-51.06	-0.59	0.00	-33.70	-85.47	-82.17
CAP :	H0581	33 23.58	-111 37.10	-111	37.10	1511.0	AZ	979422.44	-0.10	-51.54	-0.60	0.00	-33.33	-85.57	-82.24
CAP :	H0582	33 23.59	-111 37.42	-111	37.42	1500.0	AZ	979422.87	-0.10	-51.16	-0.60	0.00	-33.95	-85.81	-82.50
CAP :	H0583	33 23.60	-111 37.67	-111	37.67	1494.0	AZ	979423.00	-0.11	-50.96	-0.59	0.00	-34.34	-86.05	-82.76
CAP :	H0584	33 23.58	-111 36.78	-111	36.78	1520.0	AZ	979422.13	-0.08	-51.84	-0.60	0.00	-32.79	-85.31	-81.97
CAP :	H0585	33 23.59	-111 36.68	-111	36.68	1520.0	AZ	979421.96	-0.08	-51.84	-0.60	0.00	-32.97	-85.50	-82.15
CAP :	H0586	33 23.58	-111 36.58	-111	36.58	1526.0	AZ	979421.62	-0.08	-52.05	-0.60	0.00	-32.74	-85.47	-82.12
CAP :	H0587	33 23.59	-111 36.47	-111	36.47	1529.0	AZ	979421.43	-0.08	-52.15	-0.61	0.00	-32.66	-85.49	-82.13
CAP :	H0588	33 23.58	-111 36.36	-111	36.36	1531.0	AZ	979421.06	-0.07	-52.22	-0.61	0.00	-32.82	-85.72	-82.35
CAP :	H0589	33 23.58	-111 36.26	-111	36.26	1535.0	AZ	979420.56	-0.07	-52.35	-0.61	0.00	-32.95	-85.98	-82.60
CAP :	H0590	33 23.58	-111 36.16	-111	36.16	1540.0	AZ	979420.13	-0.07	-52.52	-0.61	0.00	-32.91	-86.11	-82.73
CAP :	H0591	33 23.58	-111 36.05	-111	36.05	1540.0	AZ	979420.02	-0.07	-52.52	-0.61	0.00	-33.02	-86.22	-82.83
CAP :	H0592	33 23.58	-111 35.94	-111	35.94	1544.0	AZ	979419.51	-0.07	-52.66	-0.61	0.00	-33.16	-86.30	-83.10
CAP :	H0593	33 23.59	-111 35.74	-111	35.74	1551.0	AZ	979418.69	-0.06	-52.90	-0.61	0.00	-33.33	-86.91	-83.50
CAP :	H0594	33 23.60	-111 35.63	-111	35.63	1554.0	AZ	979418.21	-0.06	-53.00	-0.61	0.00	-33.54	-87.22	-83.80
CAP :	H0595	33 23.59	-111 35.52	-111	35.52	1555.0	AZ	979417.77	-0.05	-53.04	-0.61	0.00	-33.87	-87.57	-84.15
CAP :	H0596	33 23.59	-111 35.43	-111	35.43	1561.0	AZ	979416.90	-0.06	-53.24	-0.62	0.00	-34.16	-88.10	-84.67
CAP :	H0597	33 23.58	-111 35.32	-111	35.32	1563.0	AZ	979416.22	-0.06	-53.31	-0.62	0.00	-34.66	-88.65	-85.21
CAP :	H0598	33 23.59	-111 35.22	-111	35.22	1565.0	AZ	979415.44	-0.05	-53.38	-0.62	0.00	-35.27	-89.31	-85.87
CAP :	H0599	33 23.59	-111 35.12	-111	35.12	1570.0	AZ	979414.67	-0.05	-53.55	-0.62	0.00	-35.56	-89.78	-86.33

BUUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L U C A T I O N S		G R A V I T Y		TERRAIN BOUGUER CURV		C O R R E C T I O N S		FREE AIR		A N O M A L I E S		
proj	sta-id	LATITUDE deg min	LONGITUDE deg min	ELE ST (in ft)	OBSERVED	THEORETICAL			SPECIAL			COMPLETE-ROUGHER	SPEC FIELDS	
CAP :	H0600	33 23.60	-111 35.02	1578.0	AZ	979414.06	979597.92	-0.05	-53.82	-0.62	0.00	-35.43	-89.43	-86.46
CAP :	H0601	33 23.59	-111 34.91	1580.0	AZ	979413.38	979597.91	-0.05	-53.89	-0.62	0.00	-35.91	-90.47	-87.00
CAP :	H0602	33 23.61	-111 34.81	1585.0	AZ	979412.74	979597.94	-0.04	-54.06	-0.62	0.00	-36.11	-90.83	-87.35
CAP :	H0603	33 23.88	-111 34.78	1593.0	AZ	979411.60	979598.31	-0.03	-54.33	-0.63	0.00	-36.87	-91.86	-85.36
CAP :	H0604	33 23.60	-111 34.70	1591.0	AZ	979412.05	979597.92	-0.04	-54.26	-0.63	0.00	-36.22	-91.16	-87.66
CAP :	H0605	33 23.59	-111 34.59	1595.0	AZ	979411.32	979597.91	-0.04	-54.40	-0.63	0.00	-36.50	-91.03	-88.12
CAP :	H0606	33 23.61	-111 34.49	1597.0	AZ	979410.75	979597.94	-0.05	-54.47	-0.63	0.00	-36.97	-92.10	-88.59
CAP :	H0607	33 23.60	-111 34.38	1597.0	AZ	979410.23	979597.92	-0.05	-54.47	-0.63	0.00	-37.47	-92.60	-89.09
CAP :	H0608	33 23.61	-111 34.26	1601.0	AZ	979409.69	979597.94	-0.05	-54.60	-0.63	0.00	-37.66	-92.92	-89.41
CAP :	H0609	33 23.61	-111 34.18	1608.0	AZ	979409.13	979597.94	-0.02	-54.84	-0.63	0.00	-37.55	-93.05	-89.52
CAP :	H0610	33 23.60	-111 34.07	1612.0	AZ	979408.67	979597.92	-0.02	-54.98	-0.63	0.00	-37.62	-93.26	-89.72
CAP :	H0611	33 23.60	-111 33.97	1615.0	AZ	979408.33	979597.92	-0.02	-55.08	-0.64	0.00	-37.69	-93.42	-89.88
CAP :	H0612	33 23.60	-111 33.85	1620.0	AZ	979407.95	979597.92	-0.01	-55.25	-0.64	0.00	-37.59	-93.49	-89.93
CAP :	H0613	33 23.58	-111 33.77	1623.0	AZ	979407.66	979597.90	-0.01	-55.36	-0.64	0.00	-37.57	-93.57	-90.01
CAP :	H0614	33 23.59	-111 33.49	1634.0	AZ	979406.48	979597.91	0.00	-55.73	-0.64	0.00	-37.73	-94.10	-90.51
CAP :	H0615	33 23.59	-111 33.25	1644.0	AZ	979405.31	979597.91	0.01	-56.07	-0.64	0.00	-37.96	-94.67	-91.06
CAP :	H0616	33 23.58	-111 32.98	1658.0	AZ	979404.41	979597.90	0.02	-56.55	-0.65	0.00	-37.53	-94.71	-91.07
CAP :	H0617	33 23.82	-111 37.92	1490.0	AZ	979423.45	979598.23	-0.10	-50.82	-0.59	0.00	-34.62	-86.13	-82.85
CAP :	H0618	33 24.03	-111 37.92	1499.0	AZ	979423.69	979598.52	-0.10	-51.13	-0.60	0.00	-33.83	-85.65	-82.35
CAP :	H0619	33 24.25	-111 37.91	1504.0	AZ	979424.54	979598.82	-0.09	-51.30	-0.60	0.00	-32.81	-84.80	-81.49
CAP :	H0620	33 24.69	-111 37.92	1520.0	AZ	979426.06	979599.43	-0.07	-51.88	-0.60	0.00	-30.39	-82.91	-79.57
CAP :	H0621	33 24.91	-111 37.94	1528.0	AZ	979426.04	979599.73	-0.06	-52.12	-0.61	0.00	-29.97	-82.75	-79.39
CAP :	H0622	33 25.12	-111 37.94	1540.0	AZ	979425.58	979600.03	-0.05	-52.52	-0.61	0.00	-29.60	-82.78	-79.39
CAP :	H0623	33 25.33	-111 37.94	1550.0	AZ	979424.86	979600.32	-0.04	-52.87	-0.61	0.00	-29.66	-83.18	-79.77
CAP :	H0624	33 25.55	-111 37.95	1565.0	AZ	979423.90	979600.63	-0.03	-53.38	-0.62	0.00	-29.52	-83.54	-80.10
CAP :	H0625	33 25.77	-111 37.94	1588.0	AZ	979423.26	979600.93	-0.02	-54.16	-0.63	0.00	-28.30	-83.11	-79.62
CAP :	H0626	33 26.00	-111 37.93	1601.0	AZ	979422.84	979601.25	0.01	-54.60	-0.63	0.00	-27.81	-83.04	-79.52
CAP :	H0627	33 26.21	-111 37.94	1630.0	AZ	979421.45	979601.54	0.03	-55.59	-0.64	0.00	-26.77	-82.97	-79.39
CAP :	H0628	33 26.64	-111 37.94	1682.0	AZ	979418.49	979602.13	0.07	-57.37	-0.66	0.00	-25.43	-83.59	-79.70
CAP :	H0629	33 25.32	-111 37.37	1575.0	AZ	979422.11	979600.30	-0.04	-53.72	-0.62	0.00	-30.05	-84.43	-80.97
CAP :	H0630	33 22.65	-111 34.78	1548.9	AZ	979422.80	979598.61	-0.07	-52.83	-0.61	0.00	-28.12	-81.63	-78.22
CAP :	H0631	33 22.66	-111 34.80	1548.1	AZ	979422.75	979598.63	-0.07	-52.80	-0.61	0.00	-28.26	-81.74	-78.33
CAP :	H0632	33 22.67	-111 34.82	1547.2	AZ	979422.69	979598.64	-0.07	-52.77	-0.61	0.00	-28.42	-81.87	-78.46
CAP :	H0633	33 22.68	-111 34.84	1546.7	AZ	979422.69	979598.65	-0.07	-52.75	-0.61	0.00	-28.48	-81.91	-78.51
CAP :	H0634	33 22.69	-111 34.85	1549.9	AZ	979422.66	979598.66	-0.07	-52.66	-0.61	0.00	-28.21	-81.76	-78.35
CAP :	H0635	33 22.70	-111 34.87	1545.6	AZ	979422.63	979598.68	-0.07	-52.72	-0.61	0.00	-28.60	-82.06	-78.66
CAP :	H0636	33 22.71	-111 34.89	1545.1	AZ	979422.66	979598.70	-0.07	-52.70	-0.61	0.00	-28.69	-82.07	-78.67
CAP :	H0637	33 22.72	-111 34.92	1544.0	AZ	979422.59	979598.73	-0.07	-52.66	-0.61	0.00	-28.68	-82.22	-78.63
CAP :	H0638	33 22.74	-111 34.95	1543.7	AZ	979422.46	979598.73	-0.07	-52.65	-0.61	0.00	-28.07	-82.40	-79.00
CAP :	H0639	33 22.76	-111 34.99	1542.7	AZ	979422.30	979598.77	-0.07	-52.62	-0.61	0.00	-29.36	-82.05	-79.26

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L U C A T I		O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S				
proj	sta-id	LATITUDE	LONGITUDE	ELE	ST	OBSERVED	THEORETICAL	TEPRAIN	BOUGUER	CUKV	SPECIAL	FREE	COMPLETE-HOUQUER	SPEC
		deg min	deg min	(in ft)								AIP	d1=2.67	d2=2.50
CAP :	H0640	33 22.78	-111 35.02	1542.2	AZ	979422.06	979596.79	-0.07	-52.60	-0.61	0.00	-29.66	-82.94	-79.55
CAP :	H0641	33 22.64	-111 34.75	1548.9	AZ	979422.93	979596.59	-0.07	-52.83	-0.61	0.00	-27.97	-81.48	-78.08
CAP :	H0642	33 22.63	-111 34.73	1549.2	AZ	979422.91	979596.59	-0.07	-52.84	-0.61	0.00	-27.95	-81.47	-78.06
CAP :	H0643	33 22.62	-111 34.71	1549.4	AZ	979422.87	979596.57	-0.07	-52.85	-0.61	0.00	-27.96	-81.49	-78.08
CAP :	H0644	33 22.61	-111 34.70	1550.2	AZ	979422.79	979596.55	-0.07	-52.87	-0.61	0.00	-27.95	-81.51	-78.10
CAP :	H0645	33 22.60	-111 34.68	1550.0	AZ	979422.71	979596.54	-0.07	-52.87	-0.61	0.00	-28.03	-81.58	-78.17
CAP :	H0646	33 22.59	-111 34.66	1550.2	AZ	979422.67	979596.52	-0.07	-52.87	-0.61	0.00	-28.04	-81.60	-78.19
CAP :	H0647	33 22.58	-111 34.65	1550.2	AZ	979422.67	979596.52	-0.07	-52.87	-0.61	0.00	-28.03	-81.58	-78.17
CAP :	H0648	33 22.58	-111 34.63	1549.9	AZ	979422.64	979596.52	-0.07	-52.86	-0.61	0.00	-28.09	-81.63	-78.22
CAP :	H0649	33 22.56	-111 34.60	1551.6	AZ	979422.56	979596.48	-0.07	-52.92	-0.61	0.00	-27.97	-81.58	-78.17
CAP :	H0650	33 22.54	-111 34.56	1551.6	AZ	979422.60	979596.46	-0.07	-52.92	-0.61	0.00	-27.91	-81.51	-78.10
CAP :	H0651	33 22.53	-111 34.53	1552.6	AZ	979422.56	979596.45	-0.07	-52.95	-0.61	0.00	-27.84	-81.48	-78.06
CAP :	H0652	33 22.51	-111 34.50	1553.7	AZ	979422.58	979596.41	-0.07	-52.99	-0.61	0.00	-27.69	-81.37	-77.95
CAP :	H0653	33 22.49	-111 34.46	1552.8	AZ	979422.58	979596.39	-0.07	-52.96	-0.61	0.00	-27.53	-81.18	-77.76
CAP :	H0654	33 22.63	-111 34.78	1548.2	AZ	979422.92	979596.59	-0.07	-52.80	-0.61	0.00	-28.03	-81.52	-78.11
CAP :	H0655	33 22.62	-111 34.78	1547.4	AZ	979423.05	979596.57	-0.07	-52.78	-0.61	0.00	-27.97	-81.43	-78.02
CAP :	H0656	33 22.60	-111 34.80	1546.1	AZ	979423.22	979596.54	-0.07	-52.73	-0.61	0.00	-27.89	-81.31	-77.91
CAP :	H0657	33 22.59	-111 34.81	1544.6	AZ	979423.36	979596.52	-0.07	-52.68	-0.61	0.00	-27.88	-81.24	-77.84
CAP :	H0658	33 22.57	-111 34.82	1544.9	AZ	979423.43	979596.50	-0.07	-52.69	-0.61	0.00	-27.75	-81.12	-77.73
CAP :	H0659	33 22.56	-111 34.82	1543.6	AZ	979423.49	979596.48	-0.07	-52.65	-0.61	0.00	-27.80	-81.13	-77.73
CAP :	H0660	33 22.54	-113 34.83	1542.8	AZ	979423.17	979596.46	0.01	-52.62	-0.61	0.00	-28.16	-81.36	-77.97
CAP :	H0661	33 22.52	-111 34.85	1541.0	AZ	979423.77	979596.43	-0.08	-52.56	-0.61	0.00	-27.71	-80.95	-77.56
CAP :	H0662	33 22.49	-111 34.87	1539.0	AZ	979423.89	979596.39	-0.08	-52.49	-0.61	0.00	-27.73	-80.91	-77.53
CAP :	H0663	33 22.46	-111 34.90	1537.6	AZ	979424.06	979596.34	-0.08	-52.44	-0.61	0.00	-27.65	-80.79	-77.40
CAP :	H0664	33 22.43	-111 34.91	1535.6	AZ	979424.21	979596.30	-0.08	-52.37	-0.61	0.00	-27.65	-80.71	-77.34
CAP :	H0665	33 22.40	-111 34.93	1534.0	AZ	979424.42	979596.27	-0.08	-52.32	-0.61	0.00	-27.55	-80.56	-77.18
CAP :	H0666	33 22.66	-111 34.76	1549.2	AZ	979422.67	979596.63	-0.07	-52.84	-0.61	0.00	-28.23	-81.75	-78.34
CAP :	H0667	33 22.68	-111 34.75	1550.4	AZ	979422.45	979596.65	-0.07	-52.88	-0.61	0.00	-28.36	-81.93	-78.52
CAP :	H0668	33 22.69	-111 34.74	1551.0	AZ	979422.28	979596.66	-0.07	-52.90	-0.61	0.00	-28.49	-82.08	-78.67
CAP :	H0669	33 22.70	-111 34.72	1551.8	AZ	979422.13	979596.68	-0.07	-52.93	-0.61	0.00	-28.58	-82.19	-78.78
CAP :	H0670	33 22.72	-111 34.72	1552.6	AZ	979422.08	979596.70	-0.07	-52.95	-0.61	0.00	-28.59	-82.23	-78.81
CAP :	H0671	33 22.73	-111 34.71	1553.3	AZ	979421.90	979596.72	-0.07	-52.98	-0.61	0.00	-28.71	-82.38	-78.96
CAP :	H0672	33 22.75	-111 34.70	1554.2	AZ	979421.73	979596.75	-0.06	-53.01	-0.61	0.00	-28.82	-82.51	-79.09
CAP :	H0673	32 51.04	-111 31.91	1492.0	AZ	979377.81	979553.05	-0.24	-50.89	-0.59	0.00	-34.89	-86.62	-83.32
CAP :	H0674	32 51.01	-111 32.92	1489.0	AZ	979378.89	979553.01	-0.25	-50.79	-0.59	0.00	-34.86	-85.68	-82.40
CAP :	H0675	32 51.03	-111 34.01	1483.0	AZ	979381.56	979553.04	-0.25	-50.58	-0.59	0.00	-31.98	-83.40	-80.12
CAP :	H0676	32 51.02	-111 35.04	1478.0	AZ	979384.64	979553.02	-0.25	-50.41	-0.59	0.00	-29.36	-80.60	-77.34
CAP :	H0677	32 51.02	-111 36.08	1474.0	AZ	979385.95	979553.02	-0.25	-50.27	-0.59	0.00	-28.42	-79.53	-76.27
CAP :	H0678	32 51.03	-111 37.12	1468.0	AZ	979389.13	979553.04	-0.25	-50.07	-0.58	0.00	-25.82	-76.12	-73.48
CAP :	H0679	32 51.03	-111 38.15	1463.0	AZ	979393.27	979553.04	-0.25	-49.90	-0.58	0.00	-22.15	-72.88	-69.65

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L U C A T I O N S		G R A V I T Y		C O R P E C T I O N S		A N O M A L I E S							
proj	sta-id	LATITUDE	LONGITUDE	ELE	ST	OBSERVED	THEORETICAL	TEMPAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER	SPEC	
		deg	min	deg	min	(in ft)						AIR	d1=2.07	d2=2.50	FIELDS
CAP :	H0680	32 51.03	-111 39.19	1456.0	AZ	979393.72	979553.04	-0.20	-49.66	-0.58	0.00	-22.30	-72.84	-69.63	
CAP :	H0681	32 51.04	-111 40.22	1445.0	AZ	979393.04	979553.05	-0.23	-49.29	-0.58	0.00	-24.04	-74.18	-70.99	
CAP :	H0682	32 51.03	-111 41.27	1440.0	AZ	979391.64	979553.04	-0.21	-49.11	-0.57	0.00	-25.94	-75.84	-72.67	
CAP :	H0683	32 51.03	-111 42.29	1437.0	AZ	979395.57	979553.04	-0.20	-49.01	-0.57	0.00	-22.30	-72.08	-68.91	
CAP :	H0684	32 50.75	-111 42.30	1441.0	AZ	979396.76	979552.65	-0.20	-49.15	-0.57	0.00	-20.35	-70.27	-67.09	
CAP :	H0689	32 50.09	-111 41.30	1453.0	AZ	979393.39	979551.75	-0.20	-49.56	-0.58	0.00	-21.60	-72.02	-68.61	
CAP :	H0690	32 49.75	-111 41.25	1458.0	AZ	979393.59	979551.28	-0.17	-49.73	-0.58	0.00	-20.54	-71.02	-67.80	
CAP :	H0691	32 49.37	-111 40.15	1469.0	AZ	979392.33	979550.76	-0.21	-50.10	-0.58	0.00	-20.25	-71.15	-67.91	
CAP :	H0692	32 49.71	-111 40.21	1459.0	AZ	979392.94	979551.23	-0.21	-49.76	-0.58	0.00	-21.05	-71.60	-68.38	
CAP :	H0693	32 49.71	-111 40.59	1458.0	AZ	979391.83	979551.23	-0.21	-49.73	-0.58	0.00	-22.25	-72.77	-69.55	
CAP :	H0694	32 50.15	-111 38.16	1474.0	AZ	979396.34	979551.83	-0.25	-50.27	-0.59	0.00	-16.83	-67.94	-64.69	
CAP :	H0695	32 50.16	-111 39.19	1463.0	AZ	979394.57	979551.84	-0.25	-49.90	-0.58	0.00	-19.60	-70.39	-67.16	
CAP :	H0696	32 49.28	-111 38.10	1495.0	AZ	979394.78	979550.63	-0.24	-50.99	-0.59	0.00	-15.25	-67.05	-63.75	
CAP :	H0697	32 48.40	-111 38.16	1490.0	AZ	979389.23	979549.43	-0.23	-50.82	-0.59	0.00	-20.04	-71.68	-68.39	
CAP :	H0698	32 48.85	-111 40.20	1475.0	AZ	979391.05	979550.05	-0.21	-50.51	-0.59	0.00	-20.25	-71.56	-68.10	
CAP :	H0699	32 48.41	-111 40.21	1480.0	AZ	979389.74	979549.45	-0.21	-50.48	-0.59	0.00	-20.49	-71.76	-68.50	
CAP :	H0700	32 46.65	-111 40.22	1496.0	AZ	979382.29	979547.03	-0.22	-51.02	-0.59	0.00	-24.02	-75.86	-72.56	
CAP :	H0701	32 47.53	-111 40.21	1487.0	AZ	979385.46	979548.23	-0.23	-50.72	-0.59	0.00	-22.90	-74.44	-71.16	
CAP :	H0702	32 47.52	-111 39.20	1496.0	AZ	979383.76	979548.22	-0.23	-51.02	-0.59	0.00	-23.74	-75.59	-72.29	
CAP :	H0703	32 48.39	-111 41.27	1481.0	AZ	979392.00	979549.41	-0.11	-50.51	-0.59	0.00	-18.11	-69.32	-66.06	
CAP :	H0704	32 50.16	-111 31.91	1500.0	AZ	979376.21	979551.84	-0.24	-51.16	-0.60	0.00	-34.54	-86.53	-83.22	
CAP :	H0705	32 49.29	-111 31.92	1513.0	AZ	979374.26	979550.65	-0.23	-51.60	-0.60	0.00	-34.07	-86.51	-83.17	
CAP :	H0706	32 48.42	-111 31.91	1525.0	AZ	979371.91	979549.45	-0.22	-52.01	-0.60	0.00	-34.09	-86.93	-83.57	
CAP :	H0707	32 47.54	-111 31.92	1535.0	AZ	979369.36	979548.25	-0.21	-52.35	-0.61	0.00	-34.50	-87.67	-84.29	
CAP :	H0708	32 46.68	-111 31.92	1546.0	AZ	979365.61	979547.07	-0.22	-52.73	-0.61	0.00	-36.04	-89.60	-86.19	
CAP :	H0709	32 45.76	-111 31.93	1556.0	AZ	979361.40	979545.81	-0.20	-53.07	-0.61	0.00	-38.05	-91.93	-88.50	
CAP :	H0710	32 45.78	-111 32.97	1551.0	AZ	979361.19	979545.84	-0.21	-52.90	-0.61	0.00	-38.70	-92.48	-89.06	
CAP :	H0711	32 50.16	-111 36.09	1483.0	AZ	979385.64	979551.84	-0.25	-50.58	-0.59	0.00	-26.70	-78.12	-74.85	
CAP :	H0712	32 50.15	-111 37.12	1477.0	AZ	979389.60	979551.83	-0.25	-50.58	-0.59	0.00	-23.29	-74.51	-71.25	
CAP :	H0713	32 49.28	-111 37.13	1491.0	AZ	979389.22	979550.63	-0.24	-50.95	-0.59	0.00	-21.17	-72.85	-69.56	
CAP :	H0714	32 49.28	-111 36.09	1493.0	AZ	979385.44	979550.63	-0.21	-50.92	-0.59	0.00	-24.76	-76.51	-73.22	
CAP :	H0715	32 49.28	-111 35.05	1496.0	AZ	979383.62	979550.63	-0.20	-51.02	-0.59	0.00	-26.30	-78.16	-74.85	
CAP :	H0716	32 49.27	-111 34.03	1503.0	AZ	979380.72	979550.63	-0.23	-51.26	-0.60	0.00	-28.53	-80.62	-77.50	
CAP :	H0717	32 50.14	-111 34.02	1493.0	AZ	979381.43	979551.81	-0.24	-50.92	-0.59	0.00	-29.95	-81.70	-78.41	
CAP :	H0718	32 50.15	-111 35.04	1489.0	AZ	979384.30	979551.83	-0.24	-50.79	-0.59	0.00	-27.47	-79.09	-75.80	
CAP :	H0719	32 50.15	-111 32.95	1499.0	AZ	979377.72	979551.83	-0.20	-51.13	-0.60	0.00	-33.11	-85.07	-81.76	
CAP :	H0720	32 49.28	-111 32.95	1509.0	AZ	979376.57	979550.63	-0.23	-51.47	-0.60	0.00	-32.12	-84.42	-81.09	
CAP :	H0721	32 48.41	-111 32.96	1517.0	AZ	979374.27	979549.45	-0.23	-51.74	-0.60	0.00	-32.47	-85.05	-81.70	
CAP :	H0722	32 48.41	-111 34.03	1514.0	AZ	979377.09	979549.45	-0.22	-51.60	-0.60	0.00	-29.54	-82.00	-78.66	
CAP :	H0723	32 47.53	-111 34.03	1523.0	AZ	979372.23	979548.23	-0.23	-51.95	-0.60	0.00	-32.74	-85.52	-82.16	

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

BUUGUER GRAVITY DATA

page 19

STATION IDENTIFICATION	L O C A T I O N	G R A V I T Y	C O R R E C T I O N S	F R E E A I R	A M O N A L I E S								
proj sta-id	LATITUDE deg min	LONGITUDE deg min	ELE (in ft)	ST	OBSERVED	THEORETICAL	TERRAIN BUUGUER	CURV SPECIAL	FREE AIR	COMPLETE-BUUGUER	SPEC FIELDS		
CAP : H0724	32 47.54	-111 32.96	1529.0	AZ	979370.01	979548.25	-0.22	-52.15	-0.61	0.00	-54.42	-87.39	-84.02
CAP : H0725	32 46.67	-111 32.96	1540.0	AZ	979365.46	979547.05	-0.22	-52.52	-0.61	0.00	-56.74	-90.09	-86.69
CAP : H0726	32 45.78	-111 34.03	1546.0	AZ	979363.43	979545.84	-0.22	-52.73	-0.61	0.00	-56.98	-90.55	-87.14
CAP : H0727	32 46.66	-111 34.02	1534.0	AZ	979367.81	979547.04	-0.22	-52.32	-0.61	0.00	-54.94	-86.08	-84.70
CAP : H0728	32 47.97	-111 35.07	1500.0	AZ	979377.61	979548.84	-0.23	-51.16	-0.60	0.00	-50.13	-82.12	-78.61
CAP : H0729	32 47.52	-111 35.06	1518.0	AZ	979375.09	979548.22	-0.22	-51.78	-0.60	0.00	-50.34	-82.93	-79.59
CAP : H0730	32 47.52	-111 36.10	1514.0	AZ	979377.41	979548.22	-0.23	-51.64	-0.60	0.00	-28.39	-80.86	-77.52
CAP : H0731	32 47.49	-111 37.12	1512.0	AZ	979379.81	979548.18	-0.23	-51.57	-0.60	0.00	-26.14	-78.54	-75.21
CAP : H0732	32 47.97	-111 37.12	1503.0	AZ	979382.89	979548.84	-0.24	-51.26	-0.60	0.00	-24.57	-76.07	-73.35
CAP : H0733	32 48.39	-111 37.12	1500.0	AZ	979385.39	979549.41	-0.24	-51.16	-0.60	0.00	-22.93	-74.92	-71.61
CAP : H0734	32 48.40	-111 36.09	1504.0	AZ	979382.01	979549.43	-0.24	-51.30	-0.60	0.00	-25.95	-76.08	-74.76
CAP : H0735	32 48.95	-111 39.47	1477.0	AZ	979393.11	979550.18	-0.23	-50.38	-0.59	0.00	-18.14	-69.33	-66.08
CAP : H0736	32 46.64	-111 36.08	1524.0	AZ	979372.46	979547.02	-0.23	-51.98	-0.60	0.00	-31.20	-84.01	-80.65
CAP : H0737	32 46.64	-111 35.05	1529.0	AZ	979370.50	979547.02	-0.22	-52.15	-0.61	0.00	-32.69	-85.07	-82.29
CAP : H0738	32 45.78	-111 35.07	1539.0	AZ	979366.07	979545.84	-0.22	-52.49	-0.61	0.00	-55.00	-86.32	-84.93
CAP : H0739	32 45.85	-111 36.11	1532.0	AZ	979368.77	979545.93	-0.22	-52.25	-0.61	0.00	-33.05	-86.13	-82.75
CAP : H0740	32 45.77	-111 37.14	1529.0	AZ	979370.01	979545.82	-0.22	-52.15	-0.61	0.00	-31.99	-84.97	-81.59
CAP : H0741	32 46.64	-111 37.36	1517.0	AZ	979375.10	979547.02	-0.23	-51.74	-0.60	0.00	-29.22	-81.79	-78.44
CAP : H0742	32 46.64	-111 38.15	1512.0	AZ	979377.56	979547.02	-0.23	-51.57	-0.60	0.00	-27.23	-79.63	-76.29
CAP : H0743	32 46.65	-111 39.18	1506.0	AZ	979379.87	979547.03	-0.23	-51.37	-0.60	0.00	-25.50	-77.69	-74.37
CAP : H0744	33 7.10	-111 23.24	1622.0	AZ	979389.24	979575.14	-0.15	-55.32	-0.64	0.00	-33.32	-89.43	-85.86
CAP : H0745	33 7.10	-111 23.50	1617.0	AZ	979390.02	979575.14	-0.15	-55.15	-0.64	0.00	-33.02	-88.95	-85.39
CAP : H0746	33 7.10	-111 23.74	1610.0	AZ	979391.11	979575.14	-0.16	-54.91	-0.63	0.00	-32.59	-88.29	-84.75
CAP : H0747	33 7.10	-111 24.02	1606.0	AZ	979391.99	979575.14	-0.16	-54.78	-0.63	0.00	-32.08	-87.65	-84.11
CAP : H0748	33 7.10	-111 24.27	1600.0	AZ	979392.97	979575.14	-0.17	-54.57	-0.63	0.00	-31.67	-87.04	-83.51
CAP : H0749	33 7.09	-111 24.53	1594.0	AZ	979394.36	979575.13	-0.18	-54.37	-0.63	0.00	-30.83	-86.00	-82.49
CAP : H0750	33 7.09	-111 24.79	1588.0	AZ	979395.79	979575.13	-0.17	-54.16	-0.63	0.00	-29.50	-84.92	-81.42
CAP : H0751	33 7.09	-111 25.03	1583.0	AZ	979396.74	979575.13	-0.18	-53.99	-0.62	0.00	-29.48	-84.28	-80.79
CAP : H0752	33 7.09	-111 25.29	1576.0	AZ	979397.36	979575.13	-0.18	-53.75	-0.62	0.00	-29.52	-84.08	-80.60
CAP : H0753	33 7.09	-111 25.40	1574.0	AZ	979397.74	979575.13	-0.18	-53.69	-0.62	0.00	-29.32	-83.01	-80.34
CAP : H0754	33 7.10	-111 25.49	1572.0	AZ	979398.12	979575.14	-0.19	-53.62	-0.62	0.00	-29.15	-83.58	-80.11
CAP : H0755	33 7.09	-111 25.61	1570.0	AZ	979398.56	979575.13	-0.19	-53.55	-0.62	0.00	-28.98	-83.24	-79.78
CAP : H0756	33 7.10	-111 25.71	1568.0	AZ	979399.06	979575.14	-0.19	-53.48	-0.62	0.00	-28.58	-82.87	-79.42
CAP : H0757	33 7.10	-111 25.80	1564.0	AZ	979399.61	979575.14	-0.19	-53.34	-0.62	0.00	-28.41	-82.56	-79.12
CAP : H0758	33 7.10	-111 25.91	1563.0	AZ	979400.64	979575.14	-0.19	-53.31	-0.62	0.00	-27.48	-81.59	-78.15
CAP : H0759	33 7.10	-111 26.02	1562.0	AZ	979401.37	979575.14	-0.19	-53.28	-0.62	0.00	-26.84	-80.93	-77.48
CAP : H0760	33 7.10	-111 26.12	1561.0	AZ	979402.01	979575.14	-0.19	-53.24	-0.62	0.00	-26.30	-80.35	-76.90
CAP : H0761	33 7.10	-111 26.23	1557.0	AZ	979402.54	979575.14	-0.19	-53.10	-0.62	0.00	-26.14	-80.04	-76.61
CAP : H0762	33 7.10	-111 26.32	1558.0	AZ	979402.83	979575.14	-0.19	-53.14	-0.62	0.00	-25.76	-79.70	-76.27
CAP : H0763	33 7.10	-111 26.43	1556.0	AZ	979403.41	979575.14	-0.19	-53.07	-0.61	0.00	-25.36	-79.24	-75.81

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION	proj	sta-id	L U C A T I O N S		D N S	G R A V I T Y		C U R R E C T I O N S		A N U M A L I F S	S P E C						
			LATITUDE deg min	LONGITUDE deg min		THEORETICAL	OBSERVED	TERRAIN Bouguer	FREE AIR			COMPLETE-ROUGHER	FIELDS				
CAP : H0764			33	7.10	-111	26.53	1554.0	AZ	979403.93	979575.14	-0.19	-53.00	-0.61	0.00	-25.03	-78.84	-75.41
CAP : H0765			33	7.10	-111	26.63	1553.0	AZ	979404.16	979575.14	-0.19	-52.97	-0.61	0.00	-24.89	-78.67	-75.24
CAP : H0766			33	7.10	-111	26.75	1552.0	AZ	979404.49	979575.14	-0.20	-52.93	-0.61	0.00	-24.66	-78.41	-74.98
CAP : H0767			33	7.10	-111	26.84	1549.0	AZ	979404.88	979575.14	-0.20	-52.83	-0.61	0.00	-24.55	-78.19	-74.78
CAP : H0768			33	7.10	-111	26.94	1548.0	AZ	979405.15	979575.14	-0.20	-52.80	-0.61	0.00	-24.38	-77.99	-74.58
CAP : H0769			33	7.10	-111	27.04	1547.0	AZ	979405.65	979575.14	-0.20	-52.76	-0.61	0.00	-23.97	-77.55	-74.14
CAP : H0770			33	7.11	-111	27.15	1544.0	AZ	979406.06	979575.15	-0.20	-52.66	-0.61	0.00	-23.86	-77.33	-73.92
CAP : H0771			33	7.10	-111	27.25	1542.0	AZ	979406.36	979575.14	-0.20	-52.59	-0.61	0.00	-23.73	-77.14	-73.74
CAP : H0772			33	7.11	-111	27.35	1539.0	AZ	979406.56	979575.15	-0.20	-52.49	-0.61	0.00	-23.82	-77.12	-73.73
CAP : H0773			33	7.11	-111	27.59	1537.0	AZ	979407.24	979575.15	-0.20	-52.42	-0.61	0.00	-23.33	-76.56	-73.17
CAP : H0774			33	7.10	-111	27.85	1534.0	AZ	979408.10	979575.14	-0.20	-52.32	-0.61	0.00	-22.74	-75.87	-72.49
CAP : H0775			33	7.10	-111	28.11	1532.0	AZ	979409.25	979575.14	-0.19	-52.25	-0.61	0.00	-21.73	-74.82	-71.44
CAP : H0776			33	7.11	-111	28.37	1528.0	AZ	979409.67	979575.15	-0.16	-52.12	-0.61	0.00	-21.75	-74.63	-71.27
CAP : H0777			33	7.11	-111	28.63	1523.0	AZ	979411.94	979575.15	-0.14	-51.95	-0.60	0.00	-19.96	-72.64	-69.29
CAP : H0778			33	7.09	-111	28.88	1520.0	AZ	979413.32	979575.13	-0.14	-51.84	-0.60	0.00	-18.83	-71.41	-68.06
CAP : H0779			33	7.09	-111	29.13	1516.0	AZ	979414.69	979575.13	-0.14	-51.71	-0.60	0.00	-17.84	-70.30	-66.96
CAP : H0780			33	7.08	-111	29.42	1515.0	AZ	979415.94	979575.11	-0.17	-51.67	-0.60	0.00	-16.67	-69.11	-65.77
CAP : H0781			33	7.08	-111	29.90	1510.0	AZ	979417.58	979575.11	-0.16	-51.50	-0.60	0.00	-15.49	-67.76	-64.43
CAP : H0782			33	7.09	-111	30.45	1517.0	AZ	979419.62	979575.13	-0.15	-51.74	-0.60	0.00	-12.81	-65.30	-61.96
CAP : H0783			33	7.09	-111	30.93	1516.0	AZ	979421.13	979575.13	-0.16	-51.71	-0.60	0.00	-11.39	-63.86	-60.52
CAP : H0784			33	7.09	-111	31.42	1518.0	AZ	979422.45	979575.13	-0.18	-51.78	-0.60	0.00	-9.88	-62.44	-59.09
CAP : H0785			33	4.50	-111	27.33	1512.0	AZ	979407.75	979571.55	-0.22	-51.57	-0.60	0.00	-21.58	-75.97	-70.63
CAP : H0786			33	5.38	-111	27.34	1515.0	AZ	979409.55	979572.77	-0.21	-51.67	-0.60	0.00	-20.71	-73.20	-69.86
CAP : H0787			33	5.37	-111	26.31	1542.0	AZ	979406.45	979572.75	-0.19	-52.59	-0.61	0.00	-21.26	-74.65	-71.25
CAP : H0788			33	5.80	-111	27.33	1515.0	AZ	979408.42	979573.34	-0.21	-51.67	-0.60	0.00	-22.42	-74.90	-71.56
CAP : H0789			33	6.25	-111	27.34	1525.0	AZ	979408.18	979573.97	-0.21	-52.01	-0.60	0.00	-22.34	-75.17	-71.60
CAP : H0790			33	6.44	-111	27.34	1530.0	AZ	979408.01	979574.23	-0.21	-52.18	-0.61	0.00	-22.30	-75.30	-71.93
CAP : H0791			33	6.67	-111	27.34	1533.0	AZ	979407.84	979574.55	-0.21	-52.29	-0.61	0.00	-22.50	-75.60	-72.22
CAP : H0792			33	6.89	-111	27.34	1536.0	AZ	979407.41	979574.84	-0.21	-52.39	-0.61	0.00	-22.95	-76.16	-72.77
CAP : H0793			33	7.34	-111	27.34	1543.0	AZ	979406.49	979575.47	-0.20	-52.63	-0.61	0.00	-23.83	-77.27	-73.87
CAP : H0794			33	7.53	-111	27.35	1538.0	AZ	979405.60	979575.73	-0.19	-52.46	-0.61	0.00	-25.46	-78.72	-75.32
CAP : H0795			33	7.76	-111	27.35	1539.0	AZ	979404.95	979576.05	-0.18	-52.49	-0.61	0.00	-26.33	-79.01	-76.22
CAP : H0796			33	7.97	-111	27.35	1544.0	AZ	979404.42	979576.34	-0.18	-53.00	-0.61	0.00	-25.74	-79.54	-76.11
CAP : H0797			33	8.41	-111	27.35	1558.0	AZ	979403.62	979576.95	-0.18	-53.14	-0.62	0.00	-26.78	-80.71	-77.28
CAP : H0798			33	8.84	-111	27.34	1566.0	AZ	979403.04	979577.54	-0.19	-53.41	-0.62	0.00	-27.19	-81.41	-77.96
CAP : H0412p			33	8.85	-111	28.42	1547.0	AZ	979406.38	979577.55	-0.17	-52.76	-0.61	0.00	-25.65	-79.20	-75.79
CAP : H0799			33	8.33	-111	28.39	1541.0	AZ	979408.09	979576.84	-0.18	-52.56	-0.61	0.00	-23.79	-77.12	-73.72
CAP : H0800			33	7.97	-111	28.40	1538.0	AZ	979408.89	979576.34	-0.16	-52.46	-0.61	0.00	-22.78	-76.00	-72.61
CAP : H0801			33	7.76	-111	28.40	1539.0	AZ	979409.61	979576.05	-0.15	-52.49	-0.61	0.00	-21.67	-74.92	-71.53
CAP : H0802			33	7.54	-111	28.39	1536.0	AZ	979409.49	979575.74	-0.16	-52.59	-0.61	0.00	-21.77	-74.93	-71.54

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L U C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S			
proj	sta-id	LATITUDE deg min	LONGITUDE deg min	ELE. ST (in ft)	OBSERVED	THEORETICAL	TERRAIN BOUQUER CURV	SPECIAL	FREE AIR	COMPLETE-HUGUER	SPEC FIELDS
CAP :	H0803	33 7.33	-111 28.40	1529.0	AZ	979410.77	979575.45	0.00	-20.86	-73.77	-70.40
CAP :	H0804	33 6.65	-111 29.40	1509.0	AZ	979414.68	979574.52	0.00	-17.90	-70.13	-66.81
CAP :	H0805	33 6.24	-111 29.38	1507.0	AZ	979414.65	979573.95	0.00	-17.55	-69.69	-66.37
CAP :	H0806	33 5.35	-111 29.40	1505.0	AZ	979413.01	979572.73	0.00	-18.15	-70.24	-66.93
CAP :	H0807	33 5.37	-111 28.95	1494.0	AZ	979414.71	979572.75	0.00	-17.51	-69.21	-65.92
CAP :	H0808	33 7.09	-111 31.72	1540.0	AZ	979423.61	979575.13	0.00	-6.66	-59.99	-56.60
CAP :	H0809	33 7.09	-111 32.13	1560.0	AZ	979421.96	979575.13	0.00	-6.42	-60.46	-57.02
CAP :	H0810	33 5.79	-111 24.43	1580.0	AZ	979396.46	979573.33	0.00	-28.25	-82.93	-79.45
CAP :	H0811	33 5.37	-111 24.80	1571.0	AZ	979398.30	979572.75	0.00	-26.68	-81.07	-77.60
CAP :	H0812	33 5.25	-111 24.93	1568.0	AZ	979398.51	979572.59	0.00	-26.59	-80.87	-77.41
CAP :	H0813	33 4.80	-111 25.26	1555.0	AZ	979401.81	979571.97	0.00	-23.89	-77.12	-74.29
CAP :	H0814	33 5.36	-111 25.26	1567.0	AZ	979399.33	979572.74	0.00	-26.02	-80.27	-76.62
CAP :	H0815	33 5.37	-111 25.78	1551.0	AZ	979404.18	979572.75	0.00	-22.68	-76.38	-72.96
CAP :	H0816	33 5.36	-111 24.25	1598.0	AZ	979394.64	979572.74	0.00	-27.79	-83.10	-79.59
CAP :	H0817	33 6.22	-111 24.24	1596.0	AZ	979394.34	979573.92	0.00	-29.46	-84.69	-81.17
CAP :	H0818	33 6.23	-111 24.76	1583.0	AZ	979396.76	979573.94	0.00	-28.26	-83.07	-79.59
CAP :	H0819	33 6.23	-111 25.02	1573.0	AZ	979398.30	979573.94	0.00	-27.68	-82.14	-78.67
CAP :	H0820	33 6.23	-111 25.28	1566.0	AZ	979398.69	979573.94	0.00	-27.95	-82.17	-78.72
CAP :	H0821	33 5.79	-111 25.74	1558.0	AZ	979402.90	979573.33	0.00	-23.98	-77.84	-74.40
CAP :	H0822	33 5.80	-111 25.28	1569.0	AZ	979399.08	979573.34	0.00	-26.68	-81.01	-77.55
CAP :	H0823	33 6.24	-111 25.37	1564.0	AZ	979399.32	979573.95	0.00	-27.52	-81.67	-76.22
CAP :	H0824	33 6.23	-111 25.47	1561.0	AZ	979400.42	979573.94	0.00	-26.68	-80.73	-77.29
CAP :	H0825	33 7.97	-111 26.32	1573.0	AZ	979400.64	979576.34	0.00	-27.74	-82.20	-78.73
CAP :	H0826	33 8.85	-111 26.31	1589.0	AZ	979397.76	979577.55	0.00	-30.33	-85.83	-81.83
CAP :	H0827	33 7.97	-111 25.73	1582.0	AZ	979397.08	979576.34	0.00	-30.45	-85.22	-81.74
CAP :	H0828	33 7.96	-111 25.38	1588.0	AZ	979395.21	979576.32	0.00	-31.74	-86.71	-83.21
CAP :	H0829	33 6.80	-111 25.30	1571.0	AZ	979399.61	979574.73	0.00	-27.34	-81.73	-78.27
CAP :	H0830	33 6.24	-111 25.59	1558.0	AZ	979401.66	979573.95	0.00	-25.74	-79.66	-76.25
CAP :	H0831	33 6.25	-111 25.69	1556.0	AZ	979402.58	979573.97	0.00	-25.02	-78.90	-75.47
CAP :	H0832	33 6.24	-111 25.79	1552.0	AZ	979403.01	979573.95	0.00	-24.96	-78.69	-75.26
CAP :	H0833	33 6.23	-111 25.90	1549.0	AZ	979403.56	979573.94	0.00	-24.67	-78.30	-74.88
CAP :	H0834	33 6.24	-111 26.00	1548.0	AZ	979404.05	979573.95	0.00	-24.30	-77.89	-74.47
CAP :	H0835	33 6.24	-111 26.10	1547.0	AZ	979404.89	979573.95	0.00	-23.54	-77.12	-73.71
CAP :	H0836	33 6.24	-111 26.21	1546.0	AZ	979405.47	979573.95	0.00	-23.06	-76.60	-73.19
CAP :	H0837	33 6.24	-111 26.29	1545.0	AZ	979406.05	979573.95	0.00	-22.58	-76.08	-72.68
CAP :	H0838	33 6.66	-111 26.28	1550.0	AZ	979404.66	979574.53	0.00	-24.07	-77.73	-74.31
CAP :	H0839	33 6.24	-111 26.40	1541.0	AZ	979406.54	979573.95	0.00	-22.46	-75.63	-72.43
CAP :	H0840	33 6.24	-111 26.51	1538.0	AZ	979407.21	979573.95	0.00	-22.07	-75.34	-71.95
CAP :	H0841	33 6.24	-111 26.62	1537.0	AZ	979407.87	979573.95	0.00	-21.51	-74.74	-71.55
CAP :	H0842	33 6.24	-111 26.72	1534.0	AZ	979407.93	979573.95	0.00	-21.75	-74.86	-71.47

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY

JAN 1978 thru MAY 1979

Meter ID:

Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L LATITUDE deg min	C LONGITUDE deg min	A TIME min	I ELEVATION (in ft)	O STATION	S STATION	G GRAVITY OBSERVED THEORETICAL	C CORRECTIONS				A ANOMALIES		
								TERRAIN	BOUGUER	CURV	SPECIAL	FREE AIR	COMPLETE-BOUGUER d1=2.67 d2=2.50	SPEC FIELDS
CAP : H0843	33	6.24	-111	26.82	1532.0	AZ	979573.95	-0.20	-52.25	-0.61	0.00	-22.02	-75.08	-71.70
CAP : H0844	33	6.24	-111	26.92	1530.0	AZ	979573.95	-0.20	-52.13	-0.61	0.00	-22.30	-75.29	-71.92
CAP : H0845	33	6.25	-111	27.03	1527.0	AZ	979407.73	-0.20	-52.08	-0.60	0.00	-22.63	-75.51	-72.15
CAP : H0846	33	6.25	-111	27.14	1526.0	AZ	979407.87	-0.21	-52.05	-0.60	0.00	-22.56	-75.42	-72.05
CAP : H0847	33	6.24	-111	27.24	1525.0	AZ	979573.95	-0.21	-52.01	-0.60	0.00	-22.59	-75.42	-72.06
CAP : H0848	33	6.24	-111	27.60	1522.0	AZ	979573.95	-0.21	-51.91	-0.60	0.00	-21.86	-74.58	-71.22
CAP : H0849	33	6.24	-111	27.86	1518.0	AZ	979409.76	-0.20	-51.78	-0.60	0.00	-21.40	-73.98	-70.63
CAP : H0850	33	6.24	-111	28.13	1526.0	AZ	979410.94	-0.19	-52.05	-0.60	0.00	-19.48	-72.32	-68.95
CAP : H0851	33	6.25	-111	28.31	1517.0	AZ	979412.32	-0.17	-51.74	-0.60	0.00	-18.95	-71.46	-68.12
CAP : H0852	33	6.24	-111	28.89	1506.0	AZ	979413.96	-0.10	-51.57	-0.60	0.00	-18.33	-70.39	-67.08
CAP : H0853	33	6.48	-111	28.38	1517.0	AZ	979411.88	-0.17	-51.74	-0.60	0.00	-19.71	-72.22	-68.87
CAP : H0854	33	6.70	-111	28.38	1520.0	AZ	979411.29	-0.15	-51.84	-0.60	0.00	-20.32	-72.91	-69.57
CAP : H0855	33	6.89	-111	28.39	1523.0	AZ	979411.13	-0.16	-51.95	-0.60	0.00	-20.46	-73.16	-69.81
CAP : H0856	33	4.50	-111	28.37	1482.0	AZ	979571.55	-0.10	-50.55	-0.59	0.00	-21.09	-72.43	-69.16
CAP : H0857	32	56.28	-111	38.62	1403.0	AZ	979560.25	-0.21	-47.85	-0.56	0.00	-26.20	-74.82	-71.72
CAP : H0858	32	56.29	-111	38.10	1403.0	AZ	979560.26	-0.25	-47.85	-0.56	0.00	-28.03	-76.69	-73.60
CAP : H0859	32	56.29	-111	37.07	1406.0	AZ	979395.46	-0.26	-47.95	-0.56	0.00	-32.54	-81.32	-78.22
CAP : H0860	32	56.28	-111	36.04	1409.0	AZ	979392.60	-0.27	-48.06	-0.56	0.00	-35.11	-84.00	-80.89
CAP : H0861	32	56.27	-111	35.00	1413.0	AZ	979392.61	-0.27	-48.19	-0.56	0.00	-34.71	-83.74	-80.62
CAP : H0862	32	56.29	-111	34.49	1418.0	AZ	979392.17	-0.27	-48.36	-0.57	0.00	-34.70	-83.91	-80.77
CAP : H0863	32	56.65	-111	34.45	1414.0	AZ	979392.91	-0.27	-48.23	-0.57	0.00	-34.83	-83.90	-80.77
CAP : H0864	32	57.15	-111	34.50	1406.0	AZ	979394.24	-0.26	-47.95	-0.56	0.00	-34.94	-83.72	-80.82
CAP : H0865	32	57.15	-111	35.53	1402.0	AZ	979395.73	-0.26	-47.82	-0.56	0.00	-33.83	-82.47	-79.37
CAP : H0866	32	57.16	-111	36.05	1399.0	AZ	979395.75	-0.26	-47.72	-0.56	0.00	-34.11	-82.84	-79.55
CAP : H0867	32	57.16	-111	37.07	1396.0	AZ	979397.65	-0.26	-47.61	-0.56	0.00	-32.49	-80.93	-77.84
CAP : H0868	32	57.16	-111	38.10	1394.0	AZ	979401.16	-0.27	-47.55	-0.56	0.00	-29.17	-77.49	-74.41
CAP : H0869	32	58.03	-111	38.10	1389.0	AZ	979402.05	-0.21	-47.58	-0.56	0.00	-29.95	-78.09	-75.02
CAP : H0870	32	57.17	-111	38.96	1426.0	AZ	979404.53	-0.07	-48.04	-0.57	0.00	-22.80	-72.03	-68.90
CAP : H0871	32	57.17	-111	39.79	1480.0	AZ	979401.60	0.16	-50.48	-0.59	0.00	-20.65	-71.56	-68.32
CAP : H0872	32	58.04	-111	37.07	1389.0	AZ	979400.00	-0.25	-47.58	-0.56	0.00	-32.01	-80.19	-77.12
CAP : H0873	32	58.04	-111	36.04	1391.0	AZ	979399.04	-0.26	-47.44	-0.56	0.00	-32.78	-81.04	-77.97
CAP : H0874	32	58.02	-111	35.01	1394.0	AZ	979396.75	-0.26	-47.55	-0.56	0.00	-34.76	-83.13	-80.05
CAP : H0875	32	58.01	-111	34.51	1396.0	AZ	979396.03	-0.26	-47.61	-0.56	0.00	-35.28	-83.71	-80.63
CAP : H0876	32	58.38	-111	34.50	1394.0	AZ	979397.31	-0.26	-47.55	-0.56	0.00	-34.70	-83.06	-79.98
CAP : H0877	32	58.89	-111	34.52	1391.0	AZ	979399.27	-0.24	-47.44	-0.56	0.00	-33.72	-81.96	-78.89
CAP : H0878	32	58.90	-111	35.01	1389.0	AZ	979399.19	-0.25	-47.58	-0.56	0.00	-34.00	-82.19	-79.12
CAP : H0879	32	58.90	-111	36.02	1386.0	AZ	979400.94	-0.24	-47.27	-0.56	0.00	-32.54	-80.61	-77.55
CAP : H0880	32	58.90	-111	37.08	1383.0	AZ	979403.45	-0.13	-47.17	-0.55	0.00	-30.30	-78.26	-75.20
CAP : H0881	32	59.77	-111	37.08	1370.0	AZ	979406.95	-0.23	-46.73	-0.55	0.00	-29.22	-76.73	-73.70
CAP : H0882	32	59.34	-111	36.03	1381.0	AZ	979402.09	-0.24	-47.10	-0.55	0.00	-32.46	-80.55	-77.50

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

BUUGUER GRAVITY DATA

page 23

STATION IDENTIFICATION proj sta-id	L LATITUDE deg min	C LONGITUDE deg min	A TIME min	I O N S ELE (in ft)	G R A V I T Y O B S E R V E D	T H E O R E T I C A L	C O R R E C T I O N S F E R R A I N	B U G U E R C U R V	S P E C I A L	F R E E A I R	A N O M A L I E S C O M P L E T E	S P E C F I E L D 2=	F I E L D S	
CAP : H0883	32 59.77	-111 36.02		1374.0	AZ	979403.53	979565.05	-0.25	-46.86	-0.55	0.00	-52.27	-79.93	-76.90
CAP : H0884	32 59.28	-111 34.51		1380.0	AZ	979401.27	979564.37	-0.24	-47.07	-0.55	0.00	-53.29	-81.15	-78.10
CAP : H0885	32 59.69	-111 34.53		1390.0	AZ	979402.46	979564.94	-0.25	-47.41	-0.56	0.00	-51.73	-79.94	-76.87
CAP : H0886	33 0.15	-111 34.52		1398.0	AZ	979403.52	979565.57	-0.26	-47.68	-0.56	0.00	-50.54	-79.04	-75.96
CAP : H0887	33 0.86	-111 34.53		1391.0	AZ	979407.03	979566.55	-0.24	-47.44	-0.56	0.00	-28.67	-76.91	-73.84
CAP : H0888	33 1.87	-111 34.52		1373.0	AZ	979412.58	979567.94	-0.23	-46.83	-0.55	0.00	-26.21	-75.82	-70.78
CAP : H0889	33 1.87	-111 35.03		1386.0	AZ	979410.76	979567.94	-0.25	-47.27	-0.56	0.00	-26.89	-74.88	-71.82
CAP : H0890	33 1.28	-111 34.98		1388.0	AZ	979408.28	979567.13	-0.25	-47.34	-0.56	0.00	-28.28	-76.43	-73.36
CAP : H0891	33 0.15	-111 35.52		1373.0	AZ	979404.21	979565.57	-0.23	-46.83	-0.55	0.00	-52.21	-79.82	-76.76
CAP : H0892	33 1.29	-111 35.49		1378.0	AZ	979408.07	979567.13	-0.24	-47.00	-0.55	0.00	-29.45	-77.24	-74.20
CAP : H0893	33 1.86	-111 35.95		1371.0	AZ	979410.95	979567.92	-0.23	-46.76	-0.55	0.00	-28.01	-75.55	-72.52
CAP : H0894	33 1.83	-111 36.48		1360.0	AZ	979411.88	979567.88	-0.20	-46.59	-0.55	0.00	-28.07	-75.20	-72.20
CAP : H0895	33 1.83	-111 37.00		1355.0	AZ	979412.90	979567.88	-0.18	-46.21	-0.54	0.00	-27.52	-74.46	-71.48
CAP : H0896	33 1.76	-111 38.77		1359.0	AZ	979414.58	979567.78	0.04	-46.35	-0.55	0.00	-25.37	-72.23	-69.25
CAP : H0897	33 0.74	-111 38.10		1382.0	AZ	979409.03	979566.38	-0.17	-47.14	-0.55	0.00	-27.35	-75.21	-72.16
CAP : H0898	33 0.16	-111 38.03		1379.0	AZ	979407.14	979565.58	-0.17	-47.03	-0.55	0.00	-28.75	-76.48	-73.44
CAP : H0899	33 0.78	-111 37.47		1365.0	AZ	979409.74	979566.44	-0.18	-46.56	-0.55	0.00	-28.29	-75.58	-72.57
CAP : H0900	33 0.25	-111 36.77		1371.0	AZ	979406.44	979565.70	-0.21	-46.76	-0.55	0.00	-50.30	-77.83	-74.80
CAP : H0901	32 46.64	-111 41.26		1485.0	AZ	979384.15	979547.02	-0.21	-50.65	-0.59	0.00	-23.18	-74.63	-71.35
CAP : H0902	32 46.23	-111 41.26		1486.0	AZ	979382.66	979546.45	-0.22	-50.68	-0.59	0.00	-24.01	-75.50	-72.23
CAP : H0903	32 46.66	-111 42.29		1478.0	AZ	979387.55	979547.04	-0.17	-50.41	-0.59	0.00	-20.47	-71.64	-68.38
CAP : H0904	32 47.08	-111 42.28		1497.0	AZ	979387.60	979547.62	0.08	-51.06	-0.59	0.00	-19.20	-70.78	-67.49
CAP : H0905	32 47.48	-111 42.28		1538.0	AZ	979385.70	979548.16	0.37	-52.46	-0.61	0.00	-17.79	-70.54	-67.18
CAP : H0906	32 45.78	-111 42.29		1481.0	AZ	979382.77	979545.84	-0.22	-50.51	-0.59	0.00	-23.75	-75.08	-71.81
CAP : H0907	32 45.77	-111 41.24		1491.0	AZ	979380.31	979545.82	-0.23	-50.65	-0.59	0.00	-25.26	-76.94	-73.65
CAP : H0908	32 45.78	-111 40.75		1498.0	AZ	979379.07	979545.84	-0.22	-51.09	-0.59	0.00	-25.86	-77.77	-74.46
CAP : H0909	32 45.77	-111 40.21		1503.0	AZ	979377.50	979545.82	-0.23	-51.26	-0.60	0.00	-26.95	-79.03	-75.72
CAP : H0910	32 45.80	-111 39.73		1509.0	AZ	979376.43	979545.87	-0.23	-51.47	-0.60	0.00	-27.49	-79.79	-76.46
CAP : H0911	32 45.77	-111 39.19		1511.0	AZ	979375.30	979545.82	-0.23	-51.54	-0.60	0.00	-28.40	-80.76	-77.43
CAP : H0912	32 45.79	-111 38.66		1516.0	AZ	979373.88	979545.85	-0.23	-51.71	-0.60	0.00	-29.37	-81.90	-78.56
CAP : H0913	32 45.77	-111 38.20		1520.0	AZ	979372.77	979545.82	-0.24	-51.84	-0.60	0.00	-30.07	-82.76	-79.40
CAP : H0914	32 44.92	-111 37.16		1535.0	AZ	979365.61	979544.66	-0.27	-52.35	-0.61	0.00	-34.66	-87.84	-84.46
CAP : H0915	32 44.91	-111 38.18		1527.0	AZ	979368.80	979544.04	-0.22	-52.08	-0.60	0.00	-32.21	-85.12	-81.75
CAP : H0916	32 44.90	-111 36.11		1542.0	AZ	979363.64	979544.63	-0.21	-52.59	-0.61	0.00	-35.94	-89.36	-85.96
CAP : H0917	32 44.04	-111 36.12		1547.0	AZ	979359.39	979543.45	-0.21	-52.76	-0.61	0.00	-38.54	-92.13	-88.72
CAP : H0918	32 43.17	-111 36.13		1559.0	AZ	979355.55	979542.26	-0.21	-53.17	-0.62	0.00	-40.07	-94.97	-90.63
CAP : H0919	32 42.31	-111 36.13		1568.0	AZ	979353.22	979541.09	-0.22	-53.48	-0.62	0.00	-40.37	-94.69	-91.23
CAP : H0920	32 42.32	-111 37.17		1561.0	AZ	979356.52	979541.09	-0.20	-53.24	-0.62	0.00	-37.74	-91.60	-88.56
CAP : H0921	32 43.20	-111 37.16		1550.0	AZ	979358.88	979542.30	-0.20	-52.87	-0.61	0.00	-37.62	-91.50	-87.68
CAP : H0922	32 44.06	-111 37.17		1544.0	AZ	979361.97	979543.48	-0.21	-52.66	-0.61	0.00	-36.28	-89.76	-86.35

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L LATITUDE deg min	C LONGITUDE deg min	A TIME min	O ELEVATION (in ft)	N ST	G OBSERVED	R THEORETICAL	A GRAVITY	T TERMIN	C BOUGUER	R CURV	I SPECIAL	A FREE	N COMPLETE	M BOUGUER	A SPEC
CAP : H0923	32 44.02	-111 38.20		1536.0	AZ	979365.44	979543.42		-0.21	-52.39	-0.61	0.00	-33.51	-86.71	-83.32	
CAP : H0924	32 45.33	-111 40.21		1508.0	AZ	979375.43	979545.22		-0.23	-51.43	-0.60	0.00	-27.94	-80.20	-76.88	
CAP : H0925	32 44.89	-111 40.23		1507.0	AZ	979373.45	979544.62		-0.23	-51.40	-0.60	0.00	-29.41	-81.64	-76.51	
CAP : H0926	32 44.89	-111 40.85		1497.0	AZ	979375.59	979544.62		-0.23	-51.06	-0.59	0.00	-28.21	-80.09	-76.79	
CAP : H0927	32 44.89	-111 41.26		1493.0	AZ	979376.62	979544.62		-0.21	-50.92	-0.59	0.00	-27.56	-79.29	-75.99	
CAP : H0928	32 44.88	-111 41.78		1490.0	AZ	979377.67	979544.60		-0.21	-50.82	-0.59	0.00	-26.78	-78.40	-75.11	
CAP : H0929	32 44.89	-111 42.29		1488.0	AZ	979378.75	979544.62		-0.21	-50.75	-0.59	0.00	-25.90	-77.45	-74.17	
CAP : H0930	32 45.35	-111 42.29		1484.0	AZ	979381.27	979545.25		-0.22	-50.61	-0.59	0.00	-24.36	-75.61	-72.53	
CAP : H0931	32 44.46	-111 42.31		1493.0	AZ	979376.78	979544.03		-0.21	-50.92	-0.59	0.00	-26.81	-78.53	-75.24	
CAP : H0932	32 44.01	-111 42.30		1498.0	AZ	979374.82	979543.41		-0.22	-51.09	-0.59	0.00	-27.69	-79.59	-76.29	
CAP : H0933	32 44.01	-111 41.81		1502.0	AZ	979373.65	979543.41		-0.22	-51.23	-0.60	0.00	-28.48	-80.52	-77.21	
CAP : H0934	32 44.02	-111 41.30		1505.0	AZ	979372.51	979543.42		-0.22	-51.53	-0.60	0.00	-29.35	-81.50	-78.18	
CAP : H0935	32 44.46	-111 41.27		1499.0	AZ	979374.35	979544.03		-0.22	-51.13	-0.60	0.00	-28.67	-80.61	-77.31	
CAP : H0936	32 44.60	-111 40.23		1512.0	AZ	979371.78	979544.22		-0.23	-51.57	-0.60	0.00	-30.21	-82.61	-79.28	
CAP : H0937	32 44.48	-111 39.74		1517.0	AZ	979369.82	979544.05		-0.23	-51.74	-0.60	0.00	-31.54	-84.11	-80.76	
CAP : H0938	32 44.90	-111 39.25		1520.0	AZ	979371.26	979544.63		-0.23	-51.84	-0.60	0.00	-30.39	-83.07	-79.72	
CAP : H0939	32 44.14	-111 39.27		1527.0	AZ	979368.01	979543.59		-0.21	-52.08	-0.60	0.00	-31.95	-84.84	-81.47	
CAP : H0940	32 44.03	-111 39.71		1523.0	AZ	979367.97	979543.44		-0.22	-51.95	-0.60	0.00	-32.21	-84.98	-81.62	
CAP : H0941	32 44.02	-111 40.24		1518.0	AZ	979369.21	979543.42		-0.22	-51.78	-0.60	0.00	-31.42	-84.02	-80.67	
CAP : H0942	32 43.15	-111 40.24		1528.0	AZ	979366.48	979542.23		-0.21	-52.12	-0.61	0.00	-32.02	-84.95	-81.56	
CAP : H0943	32 43.15	-111 39.24		1537.0	AZ	979364.59	979542.23		-0.20	-52.42	-0.61	0.00	-33.06	-86.29	-82.91	
CAP : H0944	32 43.15	-111 38.20		1547.0	AZ	979361.99	979542.23		-0.19	-52.76	-0.61	0.00	-34.72	-86.29	-84.68	
CAP : H0945	32 42.34	-111 38.21		1556.0	AZ	979360.01	979541.13		-0.21	-53.07	-0.61	0.00	-34.75	-86.65	-83.22	
CAP : H0946	32 42.28	-111 39.25		1548.0	AZ	979363.14	979541.04		-0.21	-52.80	-0.61	0.00	-32.29	-85.91	-82.50	
CAP : H0947	32 43.11	-111 40.26		1528.0	AZ	979366.56	979542.18		-0.21	-52.12	-0.61	0.00	-31.99	-84.82	-81.45	
CAP : H0948	32 43.15	-111 41.28		1517.0	AZ	979369.22	979542.23		-0.22	-51.74	-0.60	0.00	-30.32	-82.88	-79.54	
CAP : H0949	32 43.15	-111 42.32		1509.0	AZ	979371.43	979542.23		-0.22	-51.47	-0.60	0.00	-28.86	-81.15	-77.82	
CAP : H0950	32 44.01	-111 40.76		1511.0	AZ	979370.65	979543.41		-0.22	-51.54	-0.60	0.00	-30.63	-82.99	-79.65	
CAP : H0951	32 42.28	-111 40.27		1536.0	AZ	979365.27	979541.04		-0.22	-52.39	-0.61	0.00	-31.29	-84.50	-81.12	
CAP : H0952	32 41.82	-111 40.26		1542.0	AZ	979364.79	979540.41		-0.21	-52.59	-0.61	0.00	-30.56	-83.99	-80.59	
CAP : H0953	32 41.52	-111 40.26		1546.0	AZ	979364.47	979540.00		-0.21	-52.73	-0.61	0.00	-30.11	-83.66	-80.25	
CAP : H0954	32 40.52	-111 40.27		1556.0	AZ	979363.37	979538.63		-0.20	-53.07	-0.61	0.00	-28.90	-82.79	-79.36	
CAP : H0955	32 39.84	-111 40.27		1558.0	AZ	979363.27	979537.70		-0.19	-53.14	-0.62	0.00	-27.88	-81.52	-78.39	
CAP : H0956	32 39.20	-111 40.28		1561.0	AZ	979362.73	979536.83		-0.19	-53.24	-0.62	0.00	-27.26	-81.51	-77.87	
CAP : H0957	32 40.51	-111 41.30		1542.0	AZ	979366.18	979538.62		-0.14	-52.59	-0.61	0.00	-27.34	-80.78	-77.38	
CAP : H0958	32 40.96	-111 41.29		1538.0	AZ	979365.97	979539.23		-0.19	-52.46	-0.61	0.00	-28.60	-81.85	-78.46	
CAP : H0959	32 41.39	-111 41.29		1534.0	AZ	979366.55	979539.82		-0.20	-52.52	-0.61	0.00	-28.94	-82.11	-78.73	
CAP : H0960	32 41.40	-111 42.16		1528.0	AZ	979367.97	979539.84		-0.14	-52.12	-0.61	0.00	-28.14	-81.05	-77.68	
CAP : H0961	32 41.40	-111 42.83		1523.0	AZ	979370.25	979539.84		-0.19	-51.95	-0.60	0.00	-26.53	-79.07	-75.71	
CAP : H0962	32 41.84	-111 42.83		1520.0	AZ	979370.26	979540.44		-0.20	-51.84	-0.60	0.00	-27.20	-79.05	-76.50	

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

BUUGUER GRAVITY DATA

page 25

STATION IDENTIFICATION proj sta-id	L LATITUDE deg min	C LONGITUDE deg min	I ELE (in ft)	O ST	G R A V I T Y		C U R R E C T I O N S		A N O M A L I E S			
					OBSERVED THEORETICAL	TERRAIN BOUGUER	SPECIAL	FREE AIR	COMPLETE-BOUGUER d1=2.67 d2=2.50	SPEC FIELDS		
CAP : H0963	32 42.27	-111 42.81	1514.0	AZ	979370.98	979541.03	-0.22	-51.64	-0.60	-27.63	-80.09	-76.75
CAP : H0964	32 42.28	-111 43.59	1509.0	AZ	979372.63	979541.04	-0.21	-51.47	-0.60	-26.47	-78.74	-75.42
CAP : H0965	32 42.28	-111 42.29	1518.0	AZ	979369.31	979541.04	-0.22	-51.78	-0.60	-28.94	-81.54	-78.19
CAP : H0966	32 42.28	-111 41.34	1526.0	AZ	979367.40	979541.04	-0.21	-52.05	-0.60	-30.10	-82.97	-79.60
CAP : H0967	32 41.83	-111 41.31	1529.0	AZ	979366.98	979540.43	-0.21	-52.15	-0.61	-29.62	-82.58	-79.21
CAP : H1469p	32 44.46	-111 47.22	1474.0	AZ	979383.75	979544.03	-0.08	-50.27	-0.59	-21.63	-72.57	-69.32
CAP : H5745p	32 43.65	-111 48.11	1498.0	AZ	979383.62	979542.92	-0.11	-51.09	-0.59	-18.39	-70.19	-66.89
CAP : H5748p	32 42.96	-111 46.83	1490.0	AZ	979379.55	979541.98	-0.15	-50.82	-0.59	-22.27	-73.83	-70.55
CAP : H0968	32 41.40	-111 47.49	1493.0	AZ	979377.21	979539.84	-0.14	-50.92	-0.59	-22.19	-73.84	-70.55
CAP : H0969	32 41.40	-111 46.45	1498.0	AZ	979375.34	979539.84	-0.19	-51.09	-0.59	-23.59	-75.46	-72.16
CAP : H0970	32 42.26	-111 45.46	1490.0	AZ	979376.26	979541.02	-0.19	-50.82	-0.59	-24.60	-76.20	-72.92
CAP : H0971	32 42.17	-111 47.10	1493.0	AZ	979377.51	979540.89	-0.10	-50.92	-0.59	-22.95	-74.56	-71.27
CAP : H0972	32 40.58	-111 48.18	1503.0	AZ	979377.40	979538.72	-0.17	-51.26	-0.60	-19.94	-71.97	-68.66
CAP : H0973	32 40.53	-111 47.54	1503.0	AZ	979376.20	979538.65	-0.18	-51.26	-0.60	-21.07	-73.11	-69.79
CAP : H0974	32 40.84	-111 47.53	1498.0	AZ	979376.78	979539.07	-0.17	-51.09	-0.59	-21.38	-73.24	-69.94
CAP : H0975	32 40.84	-111 47.00	1495.0	AZ	979375.47	979539.07	-0.18	-50.99	-0.59	-22.97	-74.74	-71.44
CAP : H5749p	32 41.38	-111 47.55	1495.0	AZ	979377.34	979539.81	-0.14	-50.99	-0.59	-21.84	-73.56	-70.27
CAP : H0976	32 59.94	-111 55.70	1268.0	AZ	979419.37	979565.28	-0.23	-43.25	-0.51	-26.64	-70.63	-67.83
CAP : H0977	32 59.95	-111 56.60	1239.0	AZ	979422.20	979565.29	-0.22	-42.26	-0.50	-26.54	-69.52	-66.79
CAP : H0978	33 0.85	-111 56.71	1233.0	AZ	979424.15	979566.53	-0.24	-42.05	-0.50	-26.40	-69.19	-66.47
CAP : H0979	33 0.85	-111 57.72	1218.0	AZ	979422.97	979566.53	-0.23	-41.54	-0.49	-28.94	-71.26	-68.57
CAP : H0980	33 1.74	-111 57.67	1214.0	AZ	979426.51	979567.76	-0.25	-41.41	-0.49	-27.05	-69.20	-66.52
CAP : H0981	33 1.74	-111 56.65	1225.0	AZ	979428.00	979567.76	-0.25	-41.78	-0.50	-24.53	-67.05	-64.35
CAP : H0982	33 0.84	-111 55.71	1267.0	AZ	979421.87	979566.52	-0.24	-43.21	-0.51	-25.47	-69.43	-66.63
CAP : H0983	32 59.52	-111 56.51	1244.0	AZ	979421.15	979564.70	-0.21	-42.43	-0.50	-26.54	-69.68	-66.93
CAP : H0984	32 59.00	-111 55.70	1265.0	AZ	979417.65	979563.98	-0.23	-43.15	-0.51	-27.35	-71.23	-68.44
CAP : H0985	32 58.30	-111 55.72	1257.0	AZ	979417.10	979563.02	-0.23	-42.87	-0.51	-27.68	-71.29	-68.52
CAP : H0986	32 57.60	-111 55.71	1266.0	AZ	979414.11	979562.06	-0.23	-43.18	-0.51	-28.86	-72.79	-69.99
CAP : H0987	32 57.15	-111 55.73	1269.0	AZ	979412.46	979561.45	-0.24	-43.28	-0.51	-29.61	-73.65	-70.64
CAP : H0988	32 56.29	-111 55.75	1281.0	AZ	979409.54	979560.26	-0.23	-43.69	-0.52	-30.22	-74.66	-71.83
CAP : H0989	32 55.38	-111 55.73	1286.0	AZ	979405.84	979559.01	-0.23	-43.86	-0.52	-32.20	-76.81	-73.97
CAP : H0990	32 54.50	-111 55.71	1292.0	AZ	979402.70	979557.80	-0.23	-44.07	-0.52	-33.57	-78.36	-75.53
CAP : H0991	32 54.51	-111 56.27	1288.0	AZ	979403.32	979557.81	-0.23	-43.93	-0.52	-33.34	-78.02	-75.17
CAP : H0992	32 53.64	-111 54.68	1305.0	AZ	979398.42	979556.62	-0.23	-44.51	-0.53	-35.44	-80.71	-77.83
CAP : H0993	32 54.51	-111 54.68	1299.0	AZ	979401.75	979557.81	-0.24	-44.51	-0.52	-33.87	-78.94	-76.07
CAP : H0994	32 55.38	-111 54.68	1293.0	AZ	979405.96	979559.01	-0.23	-44.10	-0.52	-31.42	-76.27	-73.42
CAP : H0995	32 56.36	-111 54.69	1283.0	AZ	979412.16	979560.36	-0.23	-43.76	-0.52	-27.51	-72.01	-69.18
CAP : H0996	32 55.37	-111 53.66	1298.0	AZ	979407.65	979558.99	-0.24	-44.27	-0.52	-29.25	-74.28	-71.41
CAP : H0997	32 54.50	-111 53.65	1307.0	AZ	979403.96	979557.80	-0.24	-44.58	-0.53	-30.90	-76.24	-73.35
CAP : H0998	32 53.64	-111 53.66	1315.0	AZ	979399.63	979556.62	-0.24	-44.65	-0.53	-33.29	-78.91	-76.01

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION	proj	sta-id	L U C A T I O N		E L E	S T	G R A V I T Y		C O R R E C T I O N S	S P E C I A L	A N O M A L I E S	
			LATITUDE deg min	LONGITUDE deg min	(in ft)		OBSERVED	THEORETICAL			FREE AIR	COMPLETE-BOUGUER d1=2.67 d2=2.50 FIELDS
CAP : H0999			32 53.64	-111 55.71	1299.0	AZ	979399.92	979556.62	-0.23	-0.31	-0.52	-79.57
CAP : H1000			32 53.64	-111 57.78	1293.0	AZ	979401.62	979556.62	-0.20	-0.10	-0.52	-78.20
CAP : H1001			32 54.51	-111 57.97	1287.0	AZ	979402.68	979557.81	-0.20	-0.30	-0.52	-76.69
CAP : H1002			32 54.52	-111 58.78	1285.0	AZ	979400.95	979557.83	-0.18	-0.33	-0.52	-80.53
CAP : H1003			32 54.50	-111 59.83	1278.0	AZ	979397.97	979557.80	-0.18	-0.39	-0.52	-83.90
CAP : H1004			32 55.39	-111 59.82	1269.0	AZ	979399.03	979559.02	-0.18	-0.38	-0.51	-84.60
CAP : H1005			32 55.39	-111 58.78	1274.0	AZ	979401.77	979559.02	-0.22	-0.45	-0.52	-81.50
CAP : H1006			32 56.41	-111 58.84	1260.0	AZ	979401.77	979560.42	-0.22	-0.48	-0.51	-83.83
CAP : H1007			32 56.40	-111 59.78	1254.0	AZ	979398.67	979560.41	-0.14	-0.77	-0.51	-87.20
CAP : H1008			32 57.15	-111 59.76	1246.0	AZ	979398.76	979561.45	-0.12	-0.50	-0.51	-88.60
CAP : H1009			32 58.17	-111 59.78	1237.0	AZ	979402.20	979562.84	-0.10	-0.19	-0.50	-87.07
CAP : H1010			32 59.08	-111 59.78	1227.0	AZ	979407.17	979564.09	-0.15	-0.85	-0.50	-84.00
CAP : H1011			32 59.95	-111 59.74	1220.0	AZ	979411.42	979565.29	-0.22	-1.61	-0.50	-81.44
CAP : H1012			32 59.98	-111 58.98	1230.0	AZ	979415.10	979565.34	-0.23	-1.95	-0.50	-77.21
CAP : H1013			33 1.73	-111 59.73	1204.0	AZ	979418.07	979567.74	-0.25	-1.07	-0.49	-78.22
CAP : H1014			32 59.95	-111 57.73	1232.0	AZ	979420.35	979565.29	-0.22	-0.02	-0.50	-71.79
CAP : H1015			32 59.05	-111 54.68	1307.0	AZ	979415.93	979564.05	-0.22	-0.38	-0.53	-70.51
CAP : H1016			32 57.61	-111 53.48	1320.0	AZ	979413.76	979562.08	-0.23	-0.02	-0.53	-69.93
CAP : H1017			33 24.29	-111 36.10	1567.0	AZ	979418.29	979598.88	-0.05	-3.45	-0.62	-87.31
CAP : H1018			33 24.36	-111 36.18	1566.0	AZ	979418.58	979598.98	-0.05	-3.41	-0.62	-87.18
CAP : H1019			33 24.41	-111 36.27	1565.0	AZ	979419.00	979599.05	-0.05	-3.38	-0.62	-86.88
CAP : H1020			33 24.46	-111 36.33	1565.0	AZ	979419.17	979599.12	-0.05	-3.38	-0.62	-86.78
CAP : H1021			33 24.51	-111 36.40	1568.0	AZ	979419.31	979599.19	-0.05	-3.48	-0.62	-86.53
CAP : H1022			33 24.53	-111 36.50	1567.0	AZ	979419.70	979599.21	-0.05	-3.45	-0.62	-86.23
CAP : H1025			33 24.64	-111 36.72	1561.0	AZ	979420.97	979599.37	-0.04	-3.24	-0.62	-85.06
CAP : H1026			33 24.72	-111 36.73	1563.0	AZ	979420.86	979599.48	-0.04	-3.31	-0.62	-85.56
CAP : H1027			33 24.80	-111 36.76	1566.0	AZ	979420.77	979599.59	-0.04	-3.41	-0.62	-85.58
CAP : H1028			33 24.88	-111 36.79	1569.0	AZ	979420.41	979599.70	-0.04	-3.51	-0.62	-85.87
CAP : H1029			33 6.24	-111 25.75	1553.0	AZ	979402.48	979573.95	-0.19	-5.97	-0.61	-79.15
CAP : H1030			33 6.31	-111 25.79	1554.0	AZ	979402.62	979574.05	-0.19	-5.80	-0.61	-79.06
CAP : H1031			33 6.37	-111 25.83	1554.0	AZ	979402.54	979574.13	-0.19	-5.80	-0.61	-79.22
CAP : H1032			33 6.46	-111 25.86	1554.0	AZ	979402.66	979574.26	-0.19	-5.80	-0.61	-79.22
CAP : H1033			33 6.54	-111 25.91	1555.0	AZ	979402.67	979574.37	-0.19	-5.84	-0.61	-79.27
CAP : H1034			33 6.61	-111 25.94	1557.0	AZ	979402.56	979574.46	-0.18	-5.10	-0.62	-79.35
CAP : H1035			33 6.69	-111 25.98	1556.0	AZ	979402.53	979574.57	-0.19	-5.07	-0.61	-79.35
CAP : H1036			33 6.76	-111 26.01	1555.0	AZ	979402.61	979574.67	-0.18	-5.84	-0.61	-79.62
CAP : H1037			33 6.84	-111 26.05	1555.0	AZ	979402.44	979574.78	-0.19	-5.80	-0.61	-79.92
CAP : H1038			33 6.92	-111 26.08	1556.0	AZ	979402.42	979574.89	-0.19	-5.87	-0.61	-79.98
CAP : H1039			33 7.00	-111 26.12	1555.0	AZ	979402.55	979575.00	-0.19	-5.80	-0.61	-80.33
CAP : H1040			33 7.07	-111 26.16	1556.0	AZ	979402.57	979575.09	-0.18	-5.87	-0.61	-80.03

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

BUUGUER GRAVITY DATA

page 27

STATION IDENTIFICATION		L O C A T I O N		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S								
proj	sta-id	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST	OBSERVED	THEORETICAL	TERRAIN	BOUSSUER	CURV	SPECIAL	FPEE AIR	COMPLETE	ROUGHER	SPEC FIELDS	
CAP :	H1041	33	7.15	-111	26.20	1558.0	AZ	979402.51	979575.20	-0.18	-53.14	-0.62	0.00	-26.15	-80.08	-76.65
CAP :	H1042	33	9.21	-111	27.92	1560.0	AZ	979403.49	979578.05	-0.18	-53.21	-0.62	0.00	-27.81	-81.82	-76.38
CAP :	H1043	33	9.12	-111	27.90	1558.0	AZ	979403.81	979577.92	-0.18	-53.14	-0.62	0.00	-27.56	-81.49	-76.06
CAP :	H1044	33	9.04	-111	27.87	1558.0	AZ	979404.00	979577.81	-0.18	-53.14	-0.62	0.00	-27.26	-81.20	-77.76
CAP :	H1045	33	8.96	-111	27.85	1558.0	AZ	979404.22	979577.70	-0.18	-53.14	-0.62	0.00	-26.93	-80.87	-77.43
CAP :	H1046	33	8.87	-111	27.84	1556.0	AZ	979404.53	979577.58	-0.18	-53.07	-0.61	0.00	-26.68	-80.55	-77.12
CAP :	H1047	33	8.79	-111	27.84	1554.0	AZ	979404.91	979577.47	-0.18	-53.00	-0.61	0.00	-26.38	-80.17	-76.75
CAP :	H1048	33	8.70	-111	27.83	1554.0	AZ	979405.05	979577.34	-0.18	-53.00	-0.61	0.00	-26.12	-79.92	-76.49
CAP :	H1049	33	8.62	-111	27.83	1553.0	AZ	979405.31	979577.23	-0.19	-52.97	-0.61	0.00	-25.84	-79.61	-76.19
CAP :	H1050	33	8.54	-111	27.83	1552.0	AZ	979405.57	979577.13	-0.19	-52.93	-0.61	0.00	-25.57	-79.30	-75.88
CAP :	H1051	33	8.47	-111	27.81	1551.0	AZ	979405.60	979577.02	-0.19	-52.90	-0.61	0.00	-25.33	-79.24	-75.82
CAP :	H1052	33	8.41	-111	27.75	1551.0	AZ	979405.39	979576.95	-0.18	-52.90	-0.61	0.00	-25.66	-79.35	-75.94
CAP :	H1053	33	8.35	-111	27.69	1551.0	AZ	979405.28	979576.86	-0.19	-52.90	-0.61	0.00	-25.69	-79.39	-75.97
CAP :	H1054	33	8.29	-111	27.62	1551.0	AZ	979405.07	979576.77	-0.19	-52.90	-0.61	0.00	-25.82	-79.52	-76.10
CAP :	H1055	33	8.22	-111	27.55	1552.0	AZ	979404.90	979576.68	-0.18	-52.93	-0.61	0.00	-25.80	-79.52	-76.10
CAP :	H1056	33	8.16	-111	27.48	1553.0	AZ	979404.64	979576.60	-0.19	-52.97	-0.61	0.00	-25.88	-79.64	-76.22
CAP :	H1057	33	8.10	-111	27.42	1554.0	AZ	979404.39	979576.52	-0.18	-53.00	-0.61	0.00	-25.95	-79.75	-76.32
CAP :	H1058	33	8.04	-111	27.36	1554.0	AZ	979404.10	979576.43	-0.18	-53.00	-0.61	0.00	-26.16	-79.95	-76.53
CAP :	H1059	33	7.98	-111	27.29	1556.0	AZ	979404.05	979576.35	-0.19	-53.07	-0.61	0.00	-25.94	-79.82	-76.39
CAP :	H1060	33	7.88	-111	27.14	1556.0	AZ	979404.07	979576.21	-0.19	-53.07	-0.61	0.00	-25.78	-79.66	-76.23
CAP :	H1061	33	7.82	-111	27.07	1556.0	AZ	979404.27	979576.13	-0.18	-53.07	-0.61	0.00	-25.49	-79.37	-75.94
CAP :	H1062	33	7.64	-111	26.83	1558.0	AZ	979403.63	979575.88	-0.19	-53.14	-0.62	0.00	-25.70	-79.64	-76.21
CAP :	H1063	33	7.54	-111	26.71	1558.0	AZ	979403.50	979575.74	-0.19	-53.14	-0.62	0.00	-25.69	-79.64	-76.20
CAP :	H1064	33	7.47	-111	26.62	1558.0	AZ	979403.36	979575.65	-0.19	-53.14	-0.62	0.00	-25.74	-79.68	-76.25
CAP :	H1065	33	7.42	-111	26.55	1558.0	AZ	979403.20	979575.58	-0.19	-53.14	-0.62	0.00	-25.82	-79.77	-76.33
CAP :	H1066	33	7.37	-111	26.49	1559.0	AZ	979403.04	979575.51	-0.19	-53.17	-0.62	0.00	-25.83	-79.81	-76.37
CAP :	H1067	33	7.31	-111	26.41	1557.0	AZ	979403.03	979575.43	-0.19	-53.10	-0.62	0.00	-25.94	-79.85	-76.42
CAP :	H1068	33	7.25	-111	26.34	1557.0	AZ	979402.84	979575.34	-0.18	-53.10	-0.62	0.00	-26.04	-79.94	-76.51
CAP :	H1069	33	7.20	-111	26.26	1558.0	AZ	979402.63	979575.27	-0.18	-53.14	-0.62	0.00	-26.09	-80.03	-76.59
CAP :	H1070	33	7.76	-111	26.32	1570.0	AZ	979401.12	979576.05	-0.19	-53.55	-0.62	0.00	-27.25	-81.61	-78.15
CAP :	H1071	33	8.23	-111	26.31	1574.0	AZ	979399.60	979576.70	-0.19	-53.69	-0.62	0.00	-29.04	-83.53	-80.06
CAP :	H1072	33	8.59	-111	26.32	1580.0	AZ	979398.45	979577.19	-0.19	-53.69	-0.62	0.00	-30.12	-84.62	-81.34
CAP :	H1073	33	4.55	-111	26.69	1530.0	AZ	979405.09	979571.63	-0.20	-52.18	-0.61	0.00	-22.61	-75.60	-72.23
CAP :	H1074	33	24.53	-111	36.62	1561.0	AZ	979420.53	979599.21	-0.65	-53.24	-0.62	0.00	-31.85	-85.77	-82.33
CAP :	H1075	33	24.55	-111	36.69	1561.0	AZ	979420.80	979599.24	-0.65	-53.24	-0.62	0.00	-31.61	-85.53	-82.10
CAP :	H1076	33	24.96	-111	36.81	1574.0	AZ	979419.86	979599.80	-0.63	-53.60	-0.62	0.00	-31.89	-86.23	-82.77
CAP :	H1077	33	25.03	-111	36.87	1573.0	AZ	979420.08	979599.91	-0.63	-53.65	-0.62	0.00	-31.87	-86.17	-82.71
CAP :	H1078	33	25.06	-111	36.96	1573.0	AZ	979420.44	979599.95	-0.63	-53.65	-0.62	0.00	-31.55	-85.66	-82.40
CAP :	H1079	33	25.09	-111	37.05	1572.0	AZ	979420.73	979599.98	-0.63	-53.62	-0.62	0.00	-31.39	-85.66	-82.21
CAP :	H1080	33	25.13	-111	37.14	1572.0	AZ	979421.11	979600.04	-0.64	-53.62	-0.62	0.00	-31.07	-85.34	-81.89

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 JAN 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

BOUGUER GRAVITY DATA

page 28

STATION IDENTIFICATION		L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S						
proj	sta-id	LATITUDE deg min	LONGITUDE deg min	ELE ST (in ft)	OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FREE AIR	COMPLETE-BOUGUER	SPEC FIELDS			
CAP :	H1081	33 25.17	-111 37.22	1570.0	AZ	979421.53	979600.09	-0.03	-53.55	-0.62	0.00	-30.89	-85.09	-81.63
CAP :	H1082	33 25.21	-111 37.31	1566.0	AZ	979422.27	979600.16	-0.03	-53.41	-0.62	0.00	-30.58	-84.04	-81.20
CAP :	H1083	33 25.30	-111 37.47	1569.0	AZ	979422.77	979600.28	-0.04	-53.51	-0.62	0.00	-29.92	-84.09	-80.65
CAP :	H1084	33 25.34	-111 37.56	1569.0	AZ	979423.02	979600.34	-0.04	-53.51	-0.62	0.00	-29.73	-83.90	-80.45
CAP :	H1085	33 25.49	-111 37.78	1569.0	AZ	979423.78	979600.54	-0.03	-53.51	-0.62	0.00	-29.18	-83.34	-79.89
CAP :	H1086	33 25.53	-111 37.86	1569.0	AZ	979424.08	979600.59	-0.02	-53.51	-0.62	0.00	-28.93	-83.09	-79.64
CAP :	H1087	33 25.58	-111 37.94	1569.0	AZ	979424.31	979600.66	-0.03	-53.51	-0.62	0.00	-28.77	-82.93	-79.48
CAP :	H1088	33 25.62	-111 38.03	1569.0	AZ	979424.75	979600.72	-0.03	-53.51	-0.62	0.00	-28.39	-82.55	-79.10
CAP :	H1089	33 25.67	-111 38.11	1570.0	AZ	979425.05	979600.79	-0.03	-53.55	-0.62	0.00	-28.06	-82.26	-78.81
CAP :	H1090	33 25.71	-111 38.19	1571.0	AZ	979425.53	979600.84	-0.03	-53.58	-0.62	0.00	-27.54	-81.77	-78.32
CAP :	H1091	33 25.77	-111 38.27	1571.0	AZ	979426.17	979600.93	-0.02	-53.58	-0.62	0.00	-26.98	-81.21	-77.75
CAP :	H1092	33 25.81	-111 38.35	1572.0	AZ	979426.28	979600.98	-0.03	-53.62	-0.62	0.00	-26.84	-81.10	-77.65
CAP :	H1093	33 25.86	-111 38.44	1571.0	AZ	979426.37	979601.05	-0.02	-53.58	-0.62	0.00	-26.91	-81.14	-77.68
CAP :	H1094	33 25.91	-111 38.51	1567.0	AZ	979426.82	979601.13	-0.02	-53.45	-0.62	0.00	-26.91	-80.99	-77.55
CAP :	H1095	33 25.98	-111 38.68	1568.0	AZ	979426.74	979601.22	-0.02	-53.48	-0.62	0.00	-26.99	-81.11	-77.66
CAP :	H1096	33 25.95	-111 38.60	1567.0	AZ	979427.12	979601.18	-0.02	-53.45	-0.62	0.00	-26.67	-80.75	-77.31
CAP :	H1097	33 26.03	-111 38.78	1568.0	AZ	979426.30	979601.29	0.01	-53.48	-0.62	0.00	-27.50	-81.59	-79.15
CAP :	H1098	33 26.06	-111 38.86	1568.0	AZ	979426.08	979601.33	0.00	-53.68	-0.62	0.00	-27.75	-81.86	-78.42
CAP :	H1099	33 26.10	-111 38.95	1569.0	AZ	979425.95	979601.38	-0.02	-53.51	-0.62	0.00	-27.85	-82.00	-78.55
CAP :	H1100	33 26.02	-111 38.95	1560.0	AZ	979426.03	979601.27	-0.03	-53.41	-0.62	0.00	-28.51	-82.36	-78.93
CAP :	H1101	33 25.85	-111 38.95	1549.0	AZ	979426.87	979601.04	-0.05	-53.63	-0.61	0.00	-28.47	-81.96	-78.56
CAP :	H1102	33 25.77	-111 38.96	1540.0	AZ	979427.28	979600.93	-0.04	-52.52	-0.61	0.00	-28.79	-81.97	-78.58
CAP :	H1103	33 25.61	-111 38.96	1530.0	AZ	979428.20	979600.70	-0.06	-52.18	-0.61	0.00	-28.59	-81.44	-78.07
CAP :	H1104	33 25.51	-111 38.96	1521.0	AZ	979428.46	979600.57	-0.05	-51.68	-0.60	0.00	-29.04	-81.57	-78.22
CAP :	H1105	33 25.43	-111 38.95	1511.0	AZ	979428.88	979600.46	-0.06	-51.54	-0.60	0.00	-29.45	-81.64	-78.32
CAP :	H1106	33 25.36	-111 38.96	1511.0	AZ	979429.48	979600.36	-0.07	-51.54	-0.60	0.00	-28.75	-80.95	-77.63
CAP :	H1107	33 25.26	-111 38.94	1509.0	AZ	979430.33	979600.22	-0.07	-51.47	-0.60	0.00	-27.95	-80.09	-76.77
CAP :	H1108	33 25.18	-111 38.95	1500.0	AZ	979431.72	979600.11	-0.07	-51.16	-0.60	0.00	-27.30	-79.13	-75.83
CAP :	H1109	33 25.10	-111 38.96	1496.0	AZ	979433.05	979600.00	-0.08	-51.02	-0.59	0.00	-26.24	-77.93	-74.64
CAP :	D1110	33 2.01	-111 21.21	1552.0	AZ	979384.00	979568.13	-0.13	-52.93	-0.61	0.00	-58.14	-91.82	-88.40
CAP :	D1111	32 59.24	-111 19.16	1765.0	AZ	979368.69	979564.51	-0.04	-60.20	-0.69	0.00	-29.61	-90.55	-86.67
CAP :	D1112	32 59.25	-111 20.21	1706.0	AZ	979371.85	979564.33	-0.08	-50.19	-0.67	0.00	-32.01	-90.94	-87.19
CAP :	D1113	33 0.72	-111 20.61	1633.0	AZ	979376.63	979566.55	-0.11	-55.70	-0.64	0.00	-36.11	-92.56	-88.97
CAP :	D1114	33 0.12	-111 20.19	1678.0	AZ	979373.31	979565.52	-0.10	-57.23	-0.66	0.00	-34.36	-92.37	-88.67
CAP :	D1115	32 58.37	-111 19.16	1787.0	AZ	979367.64	979563.12	-0.07	-60.95	-0.69	0.00	-27.39	-89.10	-85.17
CAP :	D1116	32 57.50	-111 19.16	1808.0	AZ	979367.45	979561.92	-0.05	-61.67	-0.70	0.00	-24.41	-86.65	-82.88
CAP :	D1117	32 57.49	-111 19.98	1760.0	AZ	979371.63	979561.91	-0.10	-60.03	-0.68	0.00	-24.73	-85.54	-81.67
CAP :	D1118	32 58.01	-111 20.40	1727.0	AZ	979373.54	979562.63	-0.11	-58.99	-0.67	0.00	-26.64	-86.33	-82.53
CAP :	D1119	32 58.37	-111 20.79	1698.0	AZ	979375.14	979563.12	-0.11	-60.91	-0.66	0.00	-28.26	-86.95	-83.21
CAP :	D1120	32 58.83	-111 21.23	1667.0	AZ	979377.58	979563.75	-0.11	-60.60	-0.65	0.00	-20.37	-86.99	-83.32

BOUGUER GRAVITY DATA

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
JAN 1978 thru MAY 1979
Meter ID: Date: 05/13/80

STATION IDENTIFICATION	L LATITUDE	C LONGITUDE	A ALTITUDE	I IN	O ST	S ELE	G GRAVITY	O OBSERVED	T THEORETICAL	F FREE	B BOUGUER	C CURV	S SPECIAL	F FREE	A AIR	A NOMINAL	E E	S SPEC
CAP : D1121	32	59.25	-111	21.62	1642.0	AZ	979380.74	979564.33		-0.13	-55.00	-0.64	0.00	-29.14		-85.69	-82.28	
CAP : D1122	32	59.65	-111	21.91	1620.0	AZ	979383.36	979564.88		-0.13	-55.25	-0.64	0.00	-29.14		-85.16	-81.59	
CAP : D1123	33	0.09	-111	22.27	1594.0	AZ	979385.67	979565.48		-0.14	-55.37	-0.63	0.00	-29.88		-85.01	-81.50	
CAP : D1124	33	0.63	-111	22.58	1568.0	AZ	979389.16	979566.23		-0.14	-55.48	-0.62	0.00	-29.57		-85.01	-80.36	
CAP : D1125	33	0.93	-111	22.97	1546.0	AZ	979393.06	979566.64		-0.14	-55.80	-0.61	0.00	-27.07		-80.63	-77.22	
CAP : D1126	33	2.30	-111	22.71	1481.0	AZ	979395.28	979568.52		-0.13	-55.51	-0.59	0.00	-33.94		-85.17	-81.41	
CAP : D1127	33	2.74	-111	22.71	1479.0	AZ	979395.80	979569.13		-0.13	-55.44	-0.59	0.00	-34.21		-85.39	-82.13	
CAP : D1128	33	3.36	-111	22.71	1490.0	AZ	979396.26	979569.98		-0.15	-55.82	-0.59	0.00	-33.57		-85.13	-81.85	
CAP : D1129	33	3.38	-111	22.96	1502.0	AZ	979398.90	979570.02		-0.16	-55.23	-0.60	0.00	-29.83		-81.62	-78.51	
CAP : D1130	33	3.21	-111	24.79	1490.0	AZ	979404.65	979569.78		-0.13	-55.82	-0.59	0.00	-24.96		-76.52	-73.24	
CAP : D1131	33	2.73	-111	24.77	1462.0	AZ	979405.73	979569.12		-0.13	-55.86	-0.58	0.00	-25.86		-76.44	-73.22	
CAP : D1132	33	3.29	-111	25.14	1495.0	AZ	979404.48	979569.89		-0.17	-55.99	-0.59	0.00	-24.78		-76.53	-73.24	
CAP : D1133	33	3.25	-111	23.77	1480.0	AZ	979402.16	979569.84		-0.14	-55.48	-0.59	0.00	-28.46		-79.06	-76.40	
CAP : D1134	33	2.13	-111	23.48	1470.0	AZ	979401.93	979568.29		-0.14	-55.14	-0.59	0.00	-28.09		-76.95	-75.71	
CAP : D1135	33	1.87	-111	23.86	1472.0	AZ	979401.99	979567.94		-0.13	-55.51	-0.59	0.00	-27.48		-76.42	-75.18	
CAP : D1136	33	1.88	-111	24.24	1465.0	AZ	979403.15	979567.95		-0.13	-55.97	-0.58	0.00	-27.00		-77.68	-74.45	
CAP : D1137	33	2.31	-111	24.26	1457.0	AZ	979405.40	979568.54		-0.12	-55.69	-0.58	0.00	-26.09		-76.49	-73.28	
CAP : D1138	33	1.40	-111	24.25	1478.0	AZ	979401.09	979567.29		-0.16	-55.91	-0.59	0.00	-27.17		-76.33	-75.07	
CAP : D1139	33	1.37	-111	24.48	1475.0	AZ	979400.66	979567.24		-0.17	-55.31	-0.59	0.00	-27.84		-76.90	-75.65	
CAP : D1140	33	1.00	-111	25.27	1484.0	AZ	979400.38	979566.73		-0.16	-55.61	-0.59	0.00	-26.76		-78.17	-74.90	
CAP : D1141	33	1.49	-111	25.81	1446.0	AZ	979405.24	979567.41		-0.13	-55.52	-0.58	0.00	-26.15		-76.18	-72.99	
CAP : D1142	33	0.48	-111	25.76	1484.0	AZ	979398.07	979566.02		-0.16	-55.61	-0.59	0.00	-28.36		-79.73	-76.46	
CAP : D1143	33	0.61	-111	25.26	1486.0	AZ	979398.63	979566.20		-0.19	-55.68	-0.59	0.00	-27.79		-79.25	-75.98	
CAP : D1144	33	0.75	-111	24.73	1500.0	AZ	979397.92	979566.39		-0.17	-55.16	-0.60	0.00	-27.35		-79.32	-76.01	
CAP : D1145	33	0.90	-111	24.23	1514.0	AZ	979397.51	979566.60		-0.18	-55.64	-0.60	0.00	-26.68		-79.10	-75.76	
CAP : D1146	33	1.03	-111	23.77	1519.0	AZ	979397.49	979566.78		-0.17	-55.81	-0.60	0.00	-26.40		-78.98	-75.64	
CAP : D1147	33	1.27	-111	23.21	1520.0	AZ	979397.06	979567.11		-0.17	-55.84	-0.60	0.00	-27.07		-79.68	-76.33	
CAP : D1148	33	1.88	-111	23.21	1488.0	AZ	979398.76	979567.95		-0.16	-55.75	-0.59	0.00	-29.22		-80.73	-77.45	
CAP : D1149	33	1.46	-111	22.72	1523.0	AZ	979392.51	979567.37		-0.15	-55.95	-0.60	0.00	-31.60		-84.50	-80.95	
CAP : D1150	33	1.12	-111	22.73	1547.0	AZ	979390.48	979566.90		-0.16	-55.76	-0.61	0.00	-30.90		-84.44	-81.03	
CAP : D1151	33	0.74	-111	23.21	1537.0	AZ	979395.41	979566.38		-0.14	-55.42	-0.61	0.00	-26.39		-79.56	-76.18	
CAP : D1152	33	0.39	-111	23.77	1540.0	AZ	979394.71	979565.90		-0.16	-55.52	-0.61	0.00	-26.33		-79.62	-76.23	
CAP : D1153	33	0.16	-111	23.92	1540.0	AZ	979394.19	979565.58		-0.18	-55.52	-0.61	0.00	-26.54		-79.85	-76.46	
CAP : D1154	32	59.88	-111	24.06	1535.0	AZ	979393.58	979565.20		-0.17	-55.55	-0.61	0.00	-27.23		-80.36	-76.98	
CAP : D1155	33	0.80	-111	23.62	1531.0	AZ	979396.62	979566.46		-0.17	-55.22	-0.61	0.00	-25.63		-78.63	-75.45	
CAP : D1156	33	0.18	-111	24.16	1525.0	AZ	979395.07	979565.61		-0.17	-55.01	-0.60	0.00	-27.04		-79.68	-76.52	
CAP : D1157	33	0.16	-111	24.87	1501.0	AZ	979396.55	979565.58		-0.17	-55.19	-0.60	0.00	-27.85		-79.81	-76.50	
CAP : D1158	33	0.16	-111	25.23	1501.0	AZ	979395.96	979565.58		-0.17	-55.19	-0.60	0.00	-28.43		-80.39	-77.08	
CAP : D1159	33	0.18	-111	26.26	1486.0	AZ	979396.69	979565.61		-0.16	-55.68	-0.59	0.00	-29.14		-80.58	-77.30	
CAP : D1160	33	0.18	-111	27.31	1470.0	AZ	979399.26	979565.61		-0.17	-55.14	-0.59	0.00	-24.08		-78.97	-75.73	

CENTRAL ARIZONA PROJECT GRAVITY SURVEY
 Jan 1978 thru MAY 1979
 Meter ID: Date: 05/13/80

BOUGUER GRAVITY DATA

page 30

STATION IDENTIFICATION proj sta-id	LATITUDE deg min	LONGITUDE deg min	ELEVATION (in ft)	OBSERVED	GRAVITY THEORETICAL	CORRECTION BOUGUER CURV	SPECIAL	ANOMALIES	
								FREE AIR	COMPLETE-BOUGUER d1=d2 d2=2.50 FIELDS
CAP : D1161	32 59.74	-111 27.30	1452.0	AZ	979565.00	-0.14	0.00	-28.76	-79.00
CAP : D1162	32 59.30	-111 27.31	1471.0	AZ	979564.40	-0.22	0.00	-27.82	-78.60
CAP : D1163	32 58.86	-111 27.31	1483.0	AZ	979563.80	-0.23	0.00	-26.98	-78.38
CAP : D1164	32 58.43	-111 27.30	1494.0	AZ	979563.20	-0.22	0.00	-25.88	-77.45
CAP : D1165	32 57.99	-111 27.29	1495.0	AZ	979562.59	-0.22	0.00	-25.46	-77.27
CAP : D1166	32 57.55	-111 27.29	1500.0	AZ	979561.99	-0.22	0.00	-25.33	-77.30
CAP : D1167	32 57.10	-111 27.29	1505.0	AZ	979561.38	-0.22	0.00	-25.78	-77.93
CAP : D1168	32 56.66	-111 27.29	1508.0	AZ	979560.77	-0.22	0.00	-26.00	-78.25
CAP : D1169	32 57.26	-111 26.80	1513.0	AZ	979561.59	-0.21	0.00	-26.54	-79.00
CAP : D1170	32 57.54	-111 26.65	1515.0	AZ	979561.98	-0.21	0.00	-26.15	-78.63
CAP : D1171	33 0.39	-111 26.27	1488.0	AZ	979565.90	-0.17	0.00	-28.71	-80.23
CAP : D1172	32 59.75	-111 26.26	1488.0	AZ	979565.31	-0.17	0.00	-29.74	-81.26
CAP : D1173	32 59.30	-111 26.27	1494.0	AZ	979564.68	-0.21	0.00	-29.14	-80.95
CAP : D1174	32 59.30	-111 26.78	1478.0	AZ	979565.83	-0.21	0.00	-29.54	-80.75
CAP : D1175	32 58.87	-111 26.78	1484.0	AZ	979565.52	-0.22	0.00	-28.64	-80.12
CAP : D1176	32 58.85	-111 26.27	1503.0	AZ	979563.84	-0.21	0.00	-28.50	-80.63
CAP : D1177	32 58.42	-111 26.26	1510.0	AZ	979563.59	-0.20	0.00	-27.56	-79.96
CAP : D1178	32 58.42	-111 26.64	1507.0	AZ	979563.19	-0.20	0.00	-26.83	-79.03
CAP : D1179	32 57.97	-111 26.26	1523.0	AZ	979562.57	-0.20	0.00	-26.14	-78.89
CAP : D1180	32 57.97	-111 25.84	1528.0	AZ	979561.32	-0.20	0.00	-27.52	-80.44
CAP : D1181	32 58.42	-111 25.41	1537.0	AZ	979561.63	-0.19	0.00	-26.98	-80.20
CAP : D1182	32 58.41	-111 25.89	1517.0	AZ	979562.30	-0.21	0.00	-28.18	-80.74
CAP : D1183	32 58.83	-111 25.48	1520.0	AZ	979562.99	-0.19	0.00	-27.78	-80.42
CAP : D1184	32 58.83	-111 25.04	1533.0	AZ	979562.53	-0.18	0.00	-27.02	-80.09
CAP : D1185	32 59.61	-111 24.16	1532.0	AZ	979563.25	-0.17	0.00	-27.47	-80.50
CAP : D1186	32 59.35	-111 24.29	1532.0	AZ	979563.06	-0.18	0.00	-27.30	-80.34
CAP : D1187	32 59.27	-111 24.64	1533.0	AZ	979564.56	-0.17	0.00	-26.86	-79.92
CAP : D1188	32 59.28	-111 25.13	1521.0	AZ	979563.92	-0.19	0.00	-27.38	-80.04
CAP : D1189	32 59.29	-111 25.91	1500.0	AZ	979564.37	-0.20	0.00	-29.04	-80.99
CAP : D1190	32 59.73	-111 24.97	1515.0	AZ	979564.76	-0.19	0.00	-27.73	-80.19
CAP : D1191	33 0.13	-111 22.89	1570.0	AZ	979565.54	-0.14	0.00	-25.20	-79.50
CAP : D1192	33 0.12	-111 23.20	1560.0	AZ	979565.52	-0.14	0.00	-25.03	-78.99
CAP : D1193	33 0.24	-111 23.04	1564.0	AZ	979565.69	-0.14	0.00	-25.14	-79.24
CAP : D1194	33 0.56	-111 23.03	1553.0	AZ	979566.13	-0.15	0.00	-26.01	-79.75
CAP : D1195	33 0.56	-111 22.89	1550.0	AZ	979566.13	-0.14	0.00	-26.92	-80.34
CAP : D1196	33 0.13	-111 22.52	1570.0	AZ	979565.80	-0.14	0.00	-25.06	-79.35
CAP : D1197	33 0.57	-111 23.21	1548.0	AZ	979566.15	-0.13	0.00	-25.65	-79.22
CAP : D1198	32 57.49	-111 20.71	1727.0	AZ	979561.91	-0.12	0.00	-23.39	-83.09
CAP : D1199	32 57.49	-111 21.24	1700.0	AZ	979561.07	-0.13	0.00	-21.95	-80.71
CAP : D1200	32 57.50	-111 21.78	1670.0	AZ	979561.35	-0.13	0.00	-20.44	-78.23

BOUGUER GRAVITY DATA

page

1

Superstition gravity, 1971 datum
by J. Wynn and S. Manydeeds
Meter ID: Date: 05/13/80

STATION IDENTIFICATION	L U C sta-id	LATITUDE deg min	C A T I LONGITUDE deg min	D N S ELE (in ft)	G R A V I T Y OBSERVED THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	A N O M A L I E S FREE COMPLETE-BOUGUER AIR d1=2.67 d2=2.50	SPEC FIELDS
super: WA-1	33 29.77	111 27.80	111 27.80	2107.0 AZ	979365.93	979606.47	0.00	-42.36	-114.48 -109.89
super: WA-1	33 24.95	111 21.88	111 21.88	3766.0 AZ	979244.07	979599.80	0.00	-1.54	-127.01 -119.02
super: WA-2	33 25.60	111 20.50	111 20.50	3785.0 AZ	979236.62	979600.70	0.00	-8.11	-132.08 -124.19
super: WA-3	33 25.95	111 21.04	111 21.04	4152.0 AZ	979210.13	979601.18	0.00	-0.57	-134.58 -126.05
super: WA-4	33 26.43	111 22.02	111 22.02	3189.0 AZ	979280.05	979601.84	0.00	-21.87	-129.68 -123.00
super: WB-5	33 27.15	111 22.65	111 22.65	3354.0 AZ	979263.15	979602.84	0.00	-24.25	-133.33 -126.38
super: WB-6	33 26.33	111 21.29	111 21.29	3850.0 AZ	979227.45	979601.70	0.00	-12.17	-140.93 -132.74
super: WB-7	33 26.02	111 21.28	111 21.28	3648.0 AZ	979241.52	979604.05	0.00	-19.43	-139.41 -131.77
super: WB-8	33 29.73	111 21.03	111 21.03	3743.0 AZ	979231.21	979606.41	0.00	-23.18	-143.20 -135.56
super: WB-9	33 28.95	111 19.22	111 19.22	4790.0 AZ	979159.37	979605.34	0.00	4.49	-144.42 -134.94
super: WB-10	33 28.52	111 17.28	111 17.28	3694.0 AZ	979243.43	979604.73	0.00	-13.90	-137.95 -130.05
super: WB-11	33 26.55	111 17.65	111 17.65	4019.0 AZ	979216.38	979602.01	0.00	-7.68	-139.17 -130.79
super: WB-12	33 26.83	111 18.48	111 18.48	3862.0 AZ	979225.56	979602.40	0.00	-13.62	-139.92 -131.28
super: WB-13	33 24.72	111 18.72	111 18.72	3748.0 AZ	979239.06	979599.48	0.00	-7.92	-126.79 -121.09
super: WB-14	33 23.03	111 19.22	111 19.22	3205.0 AZ	979280.35	979597.13	0.00	-15.35	-117.73 -111.21
super: WB-15	33 25.10	111 16.58	111 16.58	4381.0 AZ	979188.68	979600.00	0.00	0.68	-141.39 -132.34
super: WC-4	33 27.88	111 15.00	111 15.00	4597.0 AZ	979178.51	979603.85	0.00	6.97	-144.37 -134.92
super: WD-1	33 26.53	111 16.00	111 16.00	3756.0 AZ	979239.49	979601.98	0.00	-9.25	-135.51 -127.47
super: WD-2	33 26.20	111 23.35	111 23.35	4003.0 AZ	979222.21	979601.52	0.00	-2.85	-128.72 -120.71
super: WD-3	33 28.45	111 24.50	111 24.50	2850.7 AZ	979301.78	979604.64	0.00	-34.74	-131.63 -125.47
super: WD-9	33 29.15	111 22.65	111 22.65	2910.0 AZ	979286.10	979605.61	0.00	-45.81	-137.78 -131.92
super: WF-2	33 27.83	111 18.80	111 18.80	3892.0 AZ	979228.22	979603.78	0.00	-4.53	-139.78 -131.49
super: WF-3	33 23.43	111 23.75	111 23.75	2812.0 AZ	979309.83	979597.69	0.00	-23.36	-109.53 -104.04
super: WF-4	33 24.17	111 26.00	111 26.00	2415.0 AZ	979335.62	979598.71	0.00	-55.95	-115.96 -110.86
super: WF-5	33 25.72	111 26.75	111 26.75	3648.9 AZ	979255.33	979600.86	0.00	-2.35	-121.19 -113.62
super: WF-6	33 25.65	111 25.98	111 25.98	4365.0 AZ	979201.12	979600.77	0.00	10.85	-126.16 -117.43
super: WF-7	33 26.82	111 26.75	111 26.75	3903.0 AZ	979234.27	979602.38	0.00	-1.05	-125.26 -117.35
super: WF-8	33 26.77	111 27.32	111 27.32	4175.0 AZ	979213.55	979602.31	0.00	3.87	-126.85 -116.53
super: WF-9	33 27.48	111 27.13	111 27.13	2759.0 AZ	979313.67	979603.50	0.00	-50.13	-122.06 -116.21
super: WF-10	33 26.60	111 24.72	111 24.72	3246.0 AZ	979276.35	979602.08	0.00	-20.44	-126.57 -119.81
super: W5-4-3	33 21.74	111 16.17	111 16.17	2486.4 AZ	979330.09	979595.35	0.00	-31.39	-115.77 -110.39
super: W-35-14	33 22.80	111 26.00	111 26.00	1954.0 AZ	979381.08	979596.82	0.00	-31.95	-98.60 -94.35
super: W5-4-1	33 23.50	111 21.13	111 21.13	2285.0 AZ	979347.54	979597.79	0.00	-35.32	-111.92 -107.04
super: W5-4-4	33 23.53	111 16.88	111 16.88	2500.0 AZ	979326.21	979597.83	0.00	-36.48	-120.10 -114.77
super: WAPA T	33 28.20	111 28.30	111 28.30	2085.0 AZ	979362.04	979604.30	0.00	-46.14	-117.17 -112.65
super: W5-5-12	33 29.95	111 17.92	111 17.92	3080.0 AZ	979277.84	979606.72	0.00	-39.20	-142.47 -135.89

Table 2. Principal facts for gravity stations in Maricopa County,
by Wynn and Manydeeds (1978).

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Date: 05/13/80

STATION		L O C A T I O N		O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
IDENTIFICATION	proj	LATITUDE	LONGITUDE	ELE	ST	OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FKCE AIR	COMPLETE-BOUGUER SPEC
sta-id		deg	min	deg	min	(in ft)					d1=2.67 d2=2.50 FIELDS
dodgrv: PL111		32 37.60	-111 21.98	1805.1		979344.07	979534.64	-0.09	-61.57 -0.70	-20.77	-85.13 -79.16
dodgrv: P0657		32 37.63	-111 24.43	1935.0		979339.68	979534.68	0.40	-66.00 -0.74	-12.99	-79.53 -75.10
dodgrv: P0658		32 37.72	-111 25.01	2042.0		979334.38	979534.80	0.18	-69.65 -0.77	-8.35	-76.59 -74.12
dodgrv: P0K23		32 37.76	-111 29.95	1687.0		979350.47	979534.86	-0.16	-57.54 -0.66	-25.70	-64.06 -80.35
dodgrv: PL112		32 37.88	-111 22.21	1801.8		979345.49	979535.02	-0.07	-61.46 -0.70	-20.04	-82.27 -76.31
dodgrv: P5707		32 37.88	-111 37.19	1610.9		979345.65	979535.02	-0.20	-54.94 -0.63	-37.85	-93.62 -90.07
dodgrv: P00H5		32 37.88	-111 40.30	1571.8		979357.49	979535.02	-0.17	-53.61 -0.62	-29.68	-84.06 -80.61
dodgrv: P5741		32 37.90	-111 15.59	2103.0		979315.46	979535.05	0.00	-71.73 -0.79	-21.78	-94.50 -89.68
dodgrv: P5709		32 37.90	-111 35.09	1637.1		979342.17	979535.05	-0.18	-55.84 -0.64	-38.88	-95.54 -91.94
dodgrv: P5708		32 37.90	-111 36.11	1622.0		979343.45	979535.05	-0.20	-55.32 -0.64	-39.02	-95.18 -91.61
dodgrv: P00H7		32 37.90	-111 39.44	1582.0		979353.42	979535.05	-0.20	-53.96 -0.62	-32.82	-87.60 -84.11
dodgrv: P00H6		32 37.90	-111 39.86	1577.1		979355.28	979535.05	-0.19	-53.79 -0.62	-31.42	-86.02 -82.55
dodgrv: P5710		32 37.91	-111 34.07	1650.9		979341.58	979535.06	-0.16	-56.31 -0.65	-38.19	-95.31 -91.67
dodgrv: P0668		32 37.94	-111 29.93	1684.1		979350.38	979535.10	-0.17	-57.44 -0.66	-26.31	-84.58 -80.87
dodgrv: P5711		32 37.94	-111 32.99	1661.1		979343.15	979535.10	-0.17	-56.65 -0.65	-35.71	-93.18 -89.52
dodgrv: P5713		32 37.96	-111 30.98	1678.1		979349.67	979535.13	-0.17	-57.24 -0.66	-27.61	-85.67 -81.97
dodgrv: P5712		32 37.96	-111 32.00	1670.9		979347.22	979535.13	-0.16	-56.99 -0.65	-30.74	-88.54 -84.86
dodgrv: P00H8		32 38.06	-111 39.23	1583.0		979353.27	979535.27	-0.20	-53.99 -0.62	-33.09	-87.91 -84.42
dodgrv: P0K24		32 38.09	-111 29.95	1683.1		979349.85	979535.31	-0.16	-57.40 -0.66	-27.14	-85.57 -81.06
dodgrv: PL113		32 38.14	-111 22.49	1798.9		979346.91	979535.38	-0.04	-61.35 -0.70	-19.26	-81.55 -77.39
dodgrv: PL114		32 38.39	-111 22.79	1794.0		979347.96	979535.72	0.04	-61.19 -0.69	-19.01	-80.86 -76.92
dodgrv: P5771		32 38.39	-111 27.86	1706.0		979352.12	979535.72	-0.15	-58.19 -0.67	-23.13	-82.13 -78.37
dodgrv: P5827		32 38.39	-111 37.18	1608.9		979347.37	979535.72	-0.20	-54.88 -0.63	-37.01	-92.72 -89.17
dodgrv: P00H9		32 38.42	-111 39.23	1583.0		979354.84	979535.76	-0.20	-53.99 -0.62	-32.01	-86.83 -83.34
dodgrv: P0775		32 38.42	-111 18.53	1933.1		979323.08	979535.76	-0.06	-65.93 -0.74	-30.85	-97.59 -93.54
dodgrv: P0K25		32 38.45	-111 29.95	1679.1		979349.19	979535.80	-0.16	-57.27 -0.66	-28.67	-86.76 -83.06
dodgrv: P5740		32 38.51	-111 15.59	2109.9		979313.35	979535.88	0.00	-71.96 -0.80	-24.07	-96.83 -92.20
dodgrv: PL115		32 38.62	-111 23.09	1789.9		979348.15	979536.03	0.12	-61.02 -0.69	-19.60	-81.20 -77.27
dodgrv: P0763		32 38.66	-111 16.49	2051.8		979312.47	979536.09	-0.02	-69.98 -0.78	-30.62	-101.40 -96.90
dodgrv: P0H12		32 38.78	-111 38.42	1590.9		979352.44	979536.25	-0.20	-54.26 -0.63	-34.17	-89.26 -85.75
dodgrv: P0H11		32 38.78	-111 38.81	1584.0		979354.25	979536.25	-0.20	-54.03 -0.62	-33.01	-87.86 -84.36
dodgrv: P0H10		32 38.78	-111 39.23	1580.0		979356.22	979536.25	-0.20	-53.89 -0.62	-31.41	-86.12 -82.64
dodgrv: P0826		32 38.81	-111 31.94	1660.1		979346.94	979536.30	-0.17	-56.82 -0.65	-33.20	-90.64 -86.99
dodgrv: P0825		32 38.81	-111 34.06	1642.1		979342.97	979536.50	-0.18	-56.01 -0.64	-39.87	-95.70 -92.08
dodgrv: P0667		32 38.84	-111 28.82	1683.1		979350.82	979536.54	-0.16	-57.40 -0.66	-27.20	-85.42 -81.71
dodgrv: PL116		32 38.87	-111 23.38	1784.1		979348.38	979536.58	0.16	-60.85 -0.69	-20.17	-81.56 -77.65
dodgrv: P0H13		32 38.96	-111 38.23	1591.9		979352.54	979536.50	-0.20	-54.29 -0.63	-34.22	-89.34 -85.83
dodgrv: PL117		32 39.10	-111 23.68	1778.9		979348.67	979536.69	0.16	-60.67 -0.69	-20.69	-81.90 -78.00
dodgrv: P00G0		32 39.11	-111 44.42	1653.9		979365.00	979536.70	-0.07	-56.41 -0.65	-16.14	-73.26 -69.62
dodgrv: P5825		32 39.20	-111 57.18	1605.0		979350.31	979536.83	-0.21	-54.74 -0.63	-35.54	-91.13 -87.59

Table 3. Principal facts for gravity stations in Maricopa and Pinal Counties, Arizona, by Peterson (1965).

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter 10: Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L O C A T I O N S LATITUDE deg min deg min	ELE .ST (in ft)	G R A V I T Y OBSERVED THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	A N O M A L I E S FREE AIR	COMPLETE-BOUGUER d1=2.67 d2=2.50	SPEC FIELDS
dodgrv: P0h14	32 39.29 -111 38.21	1587.9	979536.66	979536.95	0.00	-53.92	-88.90	-85.40
dodgrv: PL118	32 39.31 -111 23.99	1772.0	979349.38	979536.98	0.00	-20.92	-61.90	-78.02
dodgrv: P0764	32 39.34 -111 15.61	2109.9	979312.14	979537.02	0.00	-26.42	-99.18	-94.54
dodgrv: PL119	32 39.50 -111 24.32	1762.1	979349.85	979537.23	0.00	-21.63	-82.31	-78.45
dodgrv: P0656	32 39.64 -111 24.80	1752.9	979351.75	979537.43	0.00	-20.79	-81.15	-77.31
dodgrv: P5822	32 39.65 -111 37.18	1599.1	979351.83	979537.45	0.00	-35.20	-90.58	-87.05
dodgrv: P5705	32 39.68 -111 35.09	1622.0	979346.29	979537.48	0.00	-38.62	-94.79	-91.21
dodgrv: P0h18	32 39.68 -111 37.00	1600.1	979351.21	979537.48	0.00	-35.76	-91.18	-87.65
dodgrv: P0h17	32 39.70 -111 37.40	1597.1	979352.44	979537.51	0.00	-34.84	-90.15	-86.62
dodgrv: P0h16	32 39.70 -111 37.81	1591.9	979353.57	979537.51	0.00	-34.20	-89.32	-85.81
dodgrv: PL120	32 39.71 -111 24.64	1752.9	979350.66	979537.52	0.00	-21.97	-82.34	-78.50
dodgrv: P0824	32 39.71 -111 34.01	1632.9	979344.78	979537.52	0.00	-39.15	-95.67	-92.07
dodgrv: P0666	32 39.79 -111 29.69	1668.0	979348.32	979537.63	0.00	-32.42	-90.12	-86.45
dodgrv: PL121	32 39.91 -111 25.00	1746.1	979351.46	979537.80	0.00	-22.10	-82.25	-78.42
dodgrv: P0062	32 39.98 -111 43.90	1541.0	979369.37	979537.89	0.00	-23.57	-76.89	-73.50
dodgrv: PL122	32 40.12 -111 25.31	1737.9	979352.36	979538.09	0.00	-22.26	-82.12	-78.31
dodgrv: P5823	32 40.15 -111 37.18	1595.1	979353.05	979538.13	0.00	-35.03	-90.28	-86.76
dodgrv: PL123	32 40.31 -111 25.64	1729.0	979353.17	979538.34	0.00	-22.54	-82.11	-78.32
dodgrv: P5739	32 40.52 -111 15.58	2119.1	979309.62	979538.63	0.00	-29.69	-102.76	-98.11
dodgrv: PL124	32 40.52 -111 25.99	1720.1	979354.07	979538.63	0.00	-22.76	-82.05	-78.28
dodgrv: P0735	32 40.55 -111 20.93	1857.9	979344.78	979538.67	0.00	-19.13	-83.22	-79.14
dodgrv: P0778	32 40.57 -111 16.58	2049.9	979311.85	979538.70	0.00	-34.04	-104.75	-100.25
dodgrv: P0777	32 40.57 -111 17.60	1987.9	979317.06	979538.70	0.00	-34.66	-103.25	-98.86
dodgrv: P0064	32 40.57 -111 43.79	1526.9	979369.81	979538.70	0.00	-25.26	-76.10	-74.73
dodgrv: P5770	32 40.58 -111 27.83	1676.8	979356.14	979538.72	0.00	-24.85	-82.80	-79.11
dodgrv: P0823	32 40.58 -111 34.01	1625.0	979346.45	979538.72	0.00	-39.41	-95.08	-92.10
dodgrv: PL125	32 40.73 -111 26.30	1712.9	979355.54	979539.92	0.00	-22.26	-81.31	-77.55
dodgrv: P0776	32 40.91 -111 18.11	1964.9	979321.52	979539.16	0.00	-32.82	-100.63	-96.31
dodgrv: P0065	32 40.93 -111 43.84	1519.0	979371.13	979539.20	0.00	-25.17	-77.76	-74.41
dodgrv: PL126	32 40.94 -111 26.60	1704.1	979356.77	979539.21	0.00	-22.14	-80.92	-77.18
dodgrv: PL127	32 41.12 -111 26.95	1692.9	979358.10	979539.45	0.00	-22.11	-80.53	-76.81
dodgrv: P5738	32 41.15 -111 15.58	2110.9	979308.59	979539.49	0.00	-32.35	-105.14	-100.51
dodgrv: PL128	32 41.30 -111 27.25	1682.1	979358.29	979539.70	0.00	-23.19	-81.27	-77.57
dodgrv: P0066	32 41.36 -111 43.82	1514.1	979372.07	979539.78	0.00	-25.29	-77.71	-74.37
dodgrv: P0919	32 41.59 -111 19.67	1901.9	979339.14	979539.82	0.00	-21.79	-87.44	-83.26
dodgrv: P5700	32 41.59 -111 38.20	1571.8	979358.45	979539.82	0.00	-33.52	-87.95	-84.48
dodgrv: P5694	32 41.39 -111 39.26	1561.0	979361.29	979539.82	0.00	-31.70	-85.76	-82.32
dodgrv: P0834	32 41.41 -111 25.79	1753.9	979360.09	979539.85	0.00	-14.78	-74.92	-71.09
dodgrv: P0727	32 41.42 -111 33.02	1627.0	979346.16	979539.87	0.00	-40.66	-96.96	-93.40
dodgrv: P5704	32 41.44 -111 34.04	1613.8	979347.81	979539.89	0.00	-40.26	-96.16	-92.61

BUUGUER GRAVITY DATA

page 4

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L LATITUDE deg	C LONGITUDE deg	A TIME min	I ON S ELE (in ft)	ST	G RAVITY OBSERVED	T HEORETICAL	C ORRAIN	R EGUATION	C URV	S PECIAL	A FREE AIR	A NOMALIES COMPLETE-BOUGUER d1=2.67 d2=2.50	SPEC FIELDS
dodgrv: P0E12	32 44.51	-111 53.86		1396.0		979383.87	979544.09	-0.16	-47.61	-0.56	0.00	-28.91	-77.25	-74.17
dodgrv: P0E13	32 44.75	-111 53.50		1393.0		979384.58	979544.42	-0.16	-47.51	-0.56	0.00	-28.81	-77.04	-73.97
dodgrv: P0E14	32 44.95	-111 53.18		1394.0		979385.05	979544.70	-0.16	-47.55	-0.56	0.00	-28.52	-76.79	-73.72
dodgrv: P0E15	32 45.13	-111 52.82		1396.0		979385.53	979544.95	-0.18	-47.61	-0.56	0.00	-28.10	-76.45	-73.37
dodgrv: P00F4	32 45.29	-111 46.10		1459.0		979383.40	979545.16	-0.16	-47.76	-0.58	0.00	-24.53	-75.03	-71.82
dodgrv: P0E16	32 45.35	-111 52.46		1396.0		979386.57	979545.25	-0.19	-47.61	-0.56	0.00	-27.30	-75.73	-72.65
dodgrv: P00F5	32 45.50	-111 45.71		1459.0		979385.53	979545.45	-0.18	-47.76	-0.58	0.00	-22.68	-73.21	-69.99
dodgrv: P0E17	32 45.55	-111 52.10		1396.0		979388.32	979545.52	-0.19	-47.61	-0.56	0.00	-25.89	-74.25	-71.17
dodgrv: P0915	32 45.80	-111 18.89		1938.0		979343.75	979545.87	0.03	-66.10	-0.74	0.00	-19.82	-86.63	-82.38
dodgrv: P0E18	32 45.82	-111 52.37		1391.1		979388.04	979545.89	-0.18	-47.45	-0.56	0.00	-27.00	-75.18	-72.12
dodgrv: P00D0	32 46.09	-111 59.86		1573.2		979378.49	979546.26	0.21	-53.66	-0.62	0.00	-19.79	-73.86	-70.42
dodgrv: P5662	32 46.10	-111 57.80		1484.9		979381.44	979546.27	-0.09	-50.65	-0.59	0.00	-25.10	-76.19	-73.22
dodgrv: P00F7	32 46.12	-111 45.41		1455.0		979387.61	979546.30	-0.20	-47.63	-0.58	0.00	-21.82	-72.23	-69.02
dodgrv: P0E19	32 46.16	-111 52.61		1388.1		979388.66	979546.36	-0.18	-47.34	-0.56	0.00	-27.12	-75.20	-72.14
dodgrv: P00D1	32 46.45	-111 59.87		1565.0		979380.01	979546.76	0.10	-53.38	-0.62	0.00	-19.54	-73.44	-70.00
dodgrv: P0621	32 46.66	-111 30.91		1558.1		979367.55	979547.04	-0.21	-53.14	-0.62	0.00	-32.94	-86.90	-83.47
dodgrv: P5821	32 46.70	-111 28.30		1571.8		979372.22	979547.09	-0.15	-53.61	-0.62	0.00	-27.02	-81.41	-77.94
dodgrv: P5819	32 46.70	-111 29.39		1565.9		979371.68	979547.09	-0.17	-53.41	-0.62	0.00	-28.12	-82.32	-78.87
dodgrv: P5818	32 46.70	-111 29.80		1563.0		979370.60	979547.09	-0.18	-53.31	-0.62	0.00	-29.47	-83.58	-80.14
dodgrv: P5817	32 46.70	-111 30.38		1559.1		979369.18	979547.09	-0.19	-53.17	-0.62	0.00	-31.27	-85.25	-81.81
dodgrv: P00D2	32 46.76	-111 59.87		1547.9		979381.68	979547.18	0.00	-52.79	-0.61	0.00	-19.90	-75.31	-72.91
dodgrv: P00F9	32 46.82	-111 45.41		1443.9		979389.46	979547.27	-0.20	-47.25	-0.58	0.00	-21.90	-72.00	-68.82
dodgrv: P0E21	32 46.87	-111 52.61		1382.9		979387.38	979547.33	-0.19	-47.17	-0.55	0.00	-29.87	-77.78	-74.73
dodgrv: P5656	32 46.94	-111 54.70		1371.1		979389.08	979547.43	-0.17	-46.76	-0.55	0.00	-29.30	-76.86	-73.84
dodgrv: P5657	32 46.94	-111 55.73		1379.9		979390.36	979547.43	-0.15	-47.07	-0.55	0.00	-27.26	-75.03	-71.99
dodgrv: P5661	32 46.94	-111 57.80		1454.1		979386.58	979547.43	-0.10	-47.59	-0.58	0.00	-24.07	-74.35	-71.14
dodgrv: P00D3	32 47.15	-111 59.87		1535.1		979382.57	979547.71	-0.02	-52.36	-0.61	0.00	-20.75	-73.73	-70.36
dodgrv: P0F10	32 47.18	-111 45.40		1441.9		979390.50	979547.76	-0.20	-47.18	-0.58	0.00	-21.62	-71.58	-68.40
dodgrv: P5951	32 47.20	-111 17.90		2014.1		979340.26	979547.78	-0.05	-68.70	-0.77	0.00	-18.08	-87.59	-83.16
dodgrv: P0E22	32 47.21	-111 52.61		1379.9		979386.52	979547.80	-0.20	-47.07	-0.55	0.00	-31.47	-79.29	-76.24
dodgrv: P00D4	32 47.48	-111 59.87		1518.0		979384.92	979548.16	-0.03	-51.78	-0.60	0.00	-20.45	-72.86	-69.52
dodgrv: P5654	32 47.51	-111 46.96		1429.1		979389.08	979548.21	-0.20	-48.74	-0.57	0.00	-24.70	-74.21	-71.06
dodgrv: P0E23	32 47.56	-111 52.63		1379.9		979386.67	979548.27	-0.20	-47.07	-0.55	0.00	-31.80	-79.62	-76.58
dodgrv: P5655	32 47.80	-111 54.70		1362.9		979389.62	979548.61	-0.18	-46.48	-0.55	0.00	-30.79	-76.00	-73.00
dodgrv: P5658	32 47.80	-111 55.72		1559.9		979391.88	979548.61	-0.16	-46.38	-0.55	0.00	-28.80	-75.89	-72.89
dodgrv: P5659	32 47.80	-111 56.77		1391.1		979390.06	979548.61	-0.15	-47.45	-0.56	0.00	-27.69	-75.84	-72.78
dodgrv: P5660	32 47.80	-111 57.80		1421.9		979389.08	979548.61	-0.12	-46.50	-0.57	0.00	-25.78	-74.96	-71.83
dodgrv: P00D5	32 47.83	-111 59.87		1505.9		979386.69	979548.65	-0.04	-51.36	-0.60	0.00	-20.31	-72.51	-69.00
dodgrv: P0F12	32 47.87	-111 45.40		1438.0		979393.54	979548.70	-0.21	-47.05	-0.57	0.00	-19.90	-69.73	-66.56
dodgrv: P5950	32 47.90	-111 17.00		2048.9		979338.50	979548.74	-0.03	-69.88	-0.78	0.00	-17.52	-85.21	-83.71

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION	L U C A T I O N S	G R A V I T Y	C O R R E C T I O N S	A N O M A L I E S	SPEC
proj sta-id	LATITUDE LONGITUDE deg min deg min (in ft)	OBSERVED THEORETICAL	TERRAIN BOUGUER CURV	FREE AIR	COMPLETE-BOUGUER d1=2.67 d2=2.50 FIELDS
dodgrv: P0E24	32 47.93 -111 52.64 1375.0	979386.95 979548.78	-0.19 -46.90 -0.55	0.00 -32.49	-80.13 -77.10
dodgrv: P00d6	32 48.20 -111 59.87 1488.8	979387.47 979549.16	-0.05 -50.78 -0.59	0.00 -21.64	-75.06 -69.79
dodgrv: P0F13	32 48.20 -111 45.40 1436.0	979394.53 979549.16	-0.21 -48.98 -0.57	0.00 -19.54	-69.51 -66.14
dodgrv: P5649	32 48.40 -111 49.52 1398.9	979388.45 979549.43	-0.21 -47.71 -0.56	0.00 -29.38	-71.97 -74.78
dodgrv: P0620	32 48.41 -111 30.89 1535.1	979371.33 979549.45	-0.21 -52.36 -0.61	0.00 -33.72	-86.89 -83.51
dodgrv: P0009	32 48.50 -111 26.09 1539.0	979373.44 979549.56	-0.11 -52.49 -0.61	0.00 -31.36	-84.57 -81.18
dodgrv: P0F14	32 48.53 -111 45.41 1436.0	979395.00 979549.61	-0.21 -48.98 -0.57	0.00 -19.53	-69.29 -66.12
dodgrv: P00d7	32 48.53 -111 59.86 1474.1	979388.60 979549.61	-0.06 -50.28 -0.59	0.00 -22.35	-75.27 -70.03
dodgrv: P0010	32 48.59 -111 26.50 1526.9	979373.34 979549.69	-0.12 -52.08 -0.60	0.00 -32.72	-85.52 -82.16
dodgrv: P0E26	32 48.68 -111 52.64 1368.1	979387.33 979549.81	-0.20 -46.66 -0.55	0.00 -33.79	-81.20 -78.19
dodgrv: P0821	32 48.68 -111 54.70 1357.0	979390.03 979549.81	-0.19 -46.28 -0.55	0.00 -32.14	-79.16 -76.16
dodgrv: P0008	32 48.80 -111 25.90 1543.0	979373.93 979549.98	-0.11 -52.63 -0.61	0.00 -30.91	-84.26 -80.86
dodgrv: P0011	32 48.80 -111 26.80 1521.0	979373.19 979549.98	-0.15 -51.88 -0.60	0.00 -33.72	-86.55 -83.00
dodgrv: P0012	32 48.89 -111 27.29 1516.1	979373.34 979550.10	-0.17 -51.71 -0.60	0.00 -34.15	-86.03 -83.29
dodgrv: P00d8	32 48.89 -111 59.86 1456.0	979389.53 979550.10	-0.07 -49.66 -0.58	0.00 -23.61	-75.92 -70.72
dodgrv: P0007	32 49.00 -111 25.60 1560.0	979374.86 979550.25	-0.12 -53.21 -0.62	0.00 -28.65	-82.59 -79.16
dodgrv: P0001	32 49.10 -111 23.09 1741.1	979380.06 979550.39	0.02 -59.39 -0.68	0.00 -6.55	-60.59 -62.77
dodgrv: P0006	32 49.10 -111 25.10 1580.0	979375.50 979550.39	-0.11 -53.89 -0.62	0.00 -26.26	-80.89 -77.41
dodgrv: P0013	32 49.10 -111 27.59 1512.1	979373.93 979550.39	-0.19 -51.57 -0.60	0.00 -34.22	-86.58 -83.24
dodgrv: P0905	32 49.19 -111 15.59 2125.0	979340.27 979550.52	0.02 -72.48 -0.80	0.00 -10.36	-83.02 -78.56
dodgrv: P0904	32 49.19 -111 17.20 2029.9	979349.93 979550.52	-0.04 -69.23 -0.77	0.00 -9.65	-79.70 -75.24
dodgrv: P0000	32 49.19 -111 22.79 1774.9	979378.69 979550.52	0.06 -60.54 -0.69	0.00 -4.87	-66.04 -62.14
dodgrv: P0002	32 49.19 -111 23.39 1704.1	979379.77 979550.52	-0.02 -58.12 -0.67	0.00 -10.45	-69.26 -65.51
dodgrv: P0003	32 49.19 -111 23.80 1664.0	979378.89 979550.52	-0.04 -56.76 -0.65	0.00 -15.10	-72.54 -68.69
dodgrv: P0004	32 49.19 -111 24.29 1626.0	979377.17 979550.52	-0.06 -55.46 -0.64	0.00 -20.40	-76.55 -72.48
dodgrv: P0005	32 49.19 -111 24.70 1600.1	979376.19 979550.52	-0.09 -54.37 -0.63	0.00 -23.82	-79.11 -75.59
dodgrv: P0014	32 49.19 -111 28.00 1507.9	979374.47 979550.52	-0.19 -51.43 -0.60	0.00 -34.21	-80.42 -83.10
dodgrv: P0015	32 49.19 -111 28.40 1505.9	979374.86 979550.52	-0.20 -51.36 -0.60	0.00 -34.00	-80.16 -82.84
dodgrv: P00d9	32 49.22 -111 59.86 1438.0	979340.27 979550.55	-0.08 -49.05 -0.57	0.00 -25.02	-74.72 -71.55
dodgrv: P0619	32 49.28 -111 30.91 1521.0	979373.24 979550.63	-0.22 -51.88 -0.60	0.00 -34.32	-81.02 -83.67
dodgrv: P0902	32 49.30 -111 19.79 1994.1	979358.77 979550.66	-0.06 -68.01 -0.76	0.00 -4.32	-75.16 -66.77
dodgrv: P0016	32 49.30 -111 28.79 1505.9	979374.86 979550.66	-0.20 -51.36 -0.60	0.00 -34.15	-86.31 -82.99
dodgrv: P0017	32 49.30 -111 29.20 1505.9	979374.86 979550.66	-0.21 -51.36 -0.60	0.00 -34.15	-86.32 -83.00
dodgrv: P0018	32 49.30 -111 29.60 1511.2	979374.52 979550.66	-0.21 -51.54 -0.60	0.00 -33.99	-86.34 -83.01
dodgrv: P0019	32 49.30 -111 29.99 1505.9	979375.11 979550.66	-0.21 -51.36 -0.60	0.00 -33.90	-86.07 -82.75
dodgrv: P0020	32 49.30 -111 30.50 1506.9	979375.11 979550.66	-0.22 -51.40 -0.60	0.00 -33.81	-86.02 -82.70
dodgrv: P5664	32 49.55 -111 56.78 1347.1	979391.54 979551.01	-0.18 -45.95 -0.54	0.00 -32.75	-79.42 -76.45
dodgrv: P5663	32 49.55 -111 57.80 1358.9	979391.88 979551.01	-0.16 -46.55 -0.55	0.00 -31.30	-78.55 -75.55
dodgrv: P0d10	32 49.58 -111 59.84 1423.9	979390.66 979551.05	-0.09 -48.56 -0.57	0.00 -26.45	-75.67 -72.54
dodgrv: P0903	32 49.60 -111 21.29 1951.1	979363.92 979551.08	0.16 -66.55 -0.75	0.00 -3.63	-70.76 -66.49

ROUGER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		S P E C F I E L D S				
proj	sta-id	LATITUDE deg min	LONGITUDE deg min	ELE (in ft)	ST	OBSERVED	THEORETICAL	TERRAIN DOUGUER CURV	SPECIAL	FREE AIR	COMPLETE-DOUGUER d1=2.67 d2=2.50			
dodgrv:	P0d11	32 49.94	-111 59.84	1410.1		979391.30	979551.54	-0.10	-48.09	-0.56	0.00	-27.60	-76.56	-75.26
dodgrv:	P5838	32 50.12	-111 43.90	1431.1		979398.69	979551.79	-0.16	-48.81	-0.57	0.00	-18.48	-68.03	-64.87
dodgrv:	P5837	32 50.12	-111 44.90	1424.9		979396.34	979551.79	-0.22	-48.60	-0.57	0.00	-21.41	-70.80	-67.66
dodgrv:	P5836	32 50.12	-111 45.88	1409.1		979398.30	979551.79	-0.23	-48.06	-0.56	0.00	-20.94	-69.80	-66.69
dodgrv:	P5832	32 50.12	-111 46.91	1398.9		979398.79	979551.79	-0.23	-47.71	-0.56	0.00	-21.41	-69.91	-66.62
dodgrv:	P5666	32 50.14	-111 46.46	1404.9		979398.89	979551.81	-0.23	-47.92	-0.56	0.00	-20.78	-69.44	-66.38
dodgrv:	P0618	32 50.17	-111 30.92	1506.9		979374.91	979551.86	-0.23	-51.40	-0.60	0.00	-35.20	-87.42	-84.10
dodgrv:	P0815	32 50.99	-111 52.63	1350.1		979390.03	979552.98	-0.23	-46.05	-0.54	0.00	-55.96	-82.78	-79.80
dodgrv:	P0819	32 51.01	-111 56.78	1323.2		979392.53	979553.01	-0.20	-45.13	-0.53	0.00	-56.01	-81.88	-78.96
dodgrv:	P0820	32 51.01	-111 57.80	1324.1		979394.44	979553.01	-0.17	-45.16	-0.53	0.00	-34.02	-79.88	-76.96
dodgrv:	P0816	32 51.02	-111 53.68	1347.1		979389.73	979553.02	-0.22	-45.95	-0.54	0.00	-36.57	-83.28	-80.31
dodgrv:	P0817	32 51.02	-111 54.70	1335.0		979390.61	979553.02	-0.22	-45.53	-0.54	0.00	-36.84	-83.13	-80.18
dodgrv:	P0617	32 51.04	-111 30.91	1494.1		979377.07	979553.05	-0.23	-50.96	-0.59	0.00	-55.44	-87.22	-83.93
dodgrv:	P5799	32 51.89	-111 35.09	1467.8		979385.65	979554.22	-0.26	-50.06	-0.58	0.00	-30.50	-81.41	-78.16
dodgrv:	P5953	32 52.10	-111 27.80	1503.9		979377.27	979554.51	-0.20	-51.29	-0.60	0.00	-35.77	-87.85	-84.54
dodgrv:	P5665	32 52.31	-111 46.46	1388.1		979404.48	979554.80	-0.25	-47.34	-0.56	0.00	-19.74	-67.89	-64.82
dodgrv:	P0603	32 52.75	-111 57.80	1307.1		979398.96	979555.40	-0.20	-44.58	-0.53	0.00	-33.48	-78.79	-75.91
dodgrv:	P0607	32 52.76	-111 42.65	1413.1		979394.00	979555.41	-0.24	-48.20	-0.56	0.00	-28.49	-77.49	-74.57
dodgrv:	P0602	32 52.76	-111 56.75	1311.0		979398.32	979555.41	-0.21	-44.72	-0.53	0.00	-53.77	-79.22	-76.53
dodgrv:	P0604	32 52.76	-111 58.79	1304.1		979398.27	979555.41	-0.19	-44.48	-0.53	0.00	-54.46	-79.66	-76.78
dodgrv:	P0615	32 52.78	-111 31.94	1470.1		979381.83	979555.44	-0.25	-50.14	-0.59	0.00	-55.32	-86.50	-83.05
dodgrv:	P0614	32 52.78	-111 32.96	1466.9		979382.47	979555.44	-0.25	-50.03	-0.58	0.00	-54.99	-85.86	-82.62
dodgrv:	P0608	32 52.78	-111 40.73	1425.9		979393.17	979555.44	-0.23	-48.63	-0.57	0.00	-28.15	-77.58	-74.43
dodgrv:	P0822	32 52.78	-111 59.81	1311.0		979396.40	979555.44	-0.17	-44.72	-0.53	0.00	-55.72	-81.13	-78.24
dodgrv:	P0616	32 52.79	-111 30.91	1470.1		979381.00	979555.45	-0.25	-50.14	-0.59	0.00	-56.16	-87.14	-83.90
dodgrv:	P0599	32 52.79	-111 53.66	1324.1		979395.57	979555.45	-0.23	-45.16	-0.53	0.00	-55.33	-81.25	-78.33
dodgrv:	P0600	32 52.79	-111 54.70	1315.9		979394.78	979555.45	-0.23	-44.88	-0.53	0.00	-56.89	-82.53	-79.62
dodgrv:	P0613	32 52.79	-111 34.00	1461.0		979384.68	979555.45	-0.26	-49.83	-0.58	0.00	-33.35	-84.02	-80.79
dodgrv:	P0612	32 52.79	-111 35.02	1455.0		979386.59	979555.45	-0.26	-49.63	-0.58	0.00	-51.99	-82.46	-79.24
dodgrv:	P5940	32 53.60	-111 16.40	2030.8		979350.80	979556.56	0.00	-69.27	-0.77	0.00	-14.75	-84.78	-80.32
dodgrv:	P5613	32 53.65	-111 40.75	1419.0		979395.26	979556.63	-0.25	-48.40	-0.57	0.00	-27.90	-77.12	-73.98
dodgrv:	P0736	32 53.66	-111 30.91	1455.0		979383.35	979556.65	-0.24	-49.63	-0.58	0.00	-56.43	-86.87	-83.66
dodgrv:	P5939	32 54.40	-111 17.00	1970.1		979353.54	979557.66	-0.02	-67.20	-0.75	0.00	-18.81	-86.78	-82.45
dodgrv:	P5919	32 54.50	-111 29.90	1449.1		979384.72	979557.80	-0.23	-49.43	-0.58	0.00	-56.77	-87.00	-83.80
dodgrv:	P0737	32 54.50	-111 30.89	1446.8		979385.62	979557.80	-0.24	-49.55	-0.58	0.00	-56.09	-86.25	-83.06
dodgrv:	P5616	32 54.50	-111 31.93	1443.9		979386.58	979557.80	-0.26	-49.25	-0.58	0.00	-35.40	-85.49	-82.30
dodgrv:	P5638	32 54.50	-111 51.61	1327.1		979403.94	979557.80	-0.20	-45.26	-0.53	0.00	-29.03	-75.03	-72.10
dodgrv:	P5617	32 54.50	-111 52.93	1442.9		979387.32	979557.80	-0.26	-49.21	-0.58	0.00	-54.75	-84.80	-81.62
dodgrv:	P5618	32 54.52	-111 34.00	1433.1		979387.96	979557.83	-0.26	-48.88	-0.57	0.00	-55.07	-84.78	-81.61
dodgrv:	P5619	32 54.52	-111 35.02	1432.1		979389.13	979557.83	-0.26	-48.84	-0.57	0.00	-53.99	-83.56	-80.50

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L O C A T I O N		D O N S ELE (in ft)	G R A V I T Y OBSERVED THEORETICAL	C O R R E C T I O N S		A N O M A L I E S COMPLTE-HUIGHER d1=2.67 d2=2.50	SPEC FIELDS				
proj	sta-id	LATITUDE deg min	LONGITUDE deg min			TERRAIN BOUGUER CURV	SPECIAL FREE AIR						
dodgrv:	P5620	32 54.55	-111 36.08	1426.8	979390.06	979557.87	-0.26	-48.67	-0.57	0.00	-33.59	-83.09	-79.94
dodgrv:	P5621	32 54.55	-111 37.10	1428.1	979393.10	979557.87	-0.26	-48.71	-0.57	0.00	-30.43	-79.97	-76.82
dodgrv:	P5615	32 54.55	-111 38.12	1421.9	979394.13	979557.87	-0.26	-48.50	-0.57	0.00	-29.99	-79.31	-76.17
dodgrv:	P5614	32 54.55	-111 39.19	1413.1	979394.77	979557.87	-0.19	-48.20	-0.56	0.00	-30.18	-79.13	-76.01
dodgrv:	P5635	32 54.55	-111 48.55	1350.1	979409.97	979557.87	-0.23	-46.05	-0.54	0.00	-20.91	-67.73	-64.75
dodgrv:	P0596	32 55.00	-111 45.43	1382.9	979404.70	979558.48	-0.24	-47.17	-0.55	0.00	-23.71	-71.67	-68.61
dodgrv:	P5938	32 55.10	-111 17.60	1918.0	979357.76	979558.63	-0.01	-65.42	-0.74	0.00	-20.46	-86.62	-82.41
dodgrv:	P5639	32 55.37	-111 51.61	1312.0	979408.20	979558.99	-0.16	-44.75	-0.53	0.00	-27.38	-72.62	-69.92
dodgrv:	P5634	32 55.37	-111 46.42	1379.9	979411.49	979558.99	-0.23	-47.07	-0.55	0.00	-17.70	-65.55	-62.50
dodgrv:	P5633	32 55.39	-111 48.53	1352.0	979413.05	979559.02	-0.20	-46.11	-0.54	0.00	-18.80	-63.65	-62.67
dodgrv:	P0738	32 55.40	-111 30.89	1438.0	979388.47	979559.04	-0.23	-49.05	-0.57	0.00	-35.31	-85.15	-81.98
dodgrv:	P5624	32 55.42	-111 43.33	1399.9	979395.55	979559.06	-0.25	-47.75	-0.56	0.00	-31.83	-80.59	-77.30
dodgrv:	P5955	32 55.70	-111 22.40	1692.9	979386.63	979559.45	-0.12	-57.74	-0.66	0.00	-13.58	-72.10	-68.37
dodgrv:	P5937	32 55.79	-111 18.40	1868.1	979362.71	979559.57	-0.05	-63.72	-0.72	0.00	-21.15	-85.63	-81.52
dodgrv:	P0748	32 56.30	-111 41.24	1446.8	979396.81	979560.27	-0.22	-49.35	-0.58	0.00	-27.36	-77.51	-74.32
dodgrv:	P0749	32 56.30	-111 42.26	1435.0	979394.01	979560.27	-0.22	-48.95	-0.57	0.00	-31.28	-81.02	-77.85
dodgrv:	P0750	32 56.30	-111 43.30	1425.9	979393.73	979560.27	-0.23	-48.63	-0.57	0.00	-32.42	-81.85	-78.70
dodgrv:	P5632	32 56.30	-111 48.50	1394.0	979412.27	979560.27	-0.22	-47.55	-0.56	0.00	-16.87	-65.20	-62.12
dodgrv:	P5936	32 56.60	-111 19.10	1818.9	979367.61	979560.69	-0.08	-62.04	-0.70	0.00	-21.99	-84.91	-80.81
dodgrv:	P5954	32 56.60	-111 22.30	1666.0	979386.63	979560.69	-0.13	-56.82	-0.65	0.00	-17.34	-74.95	-71.28
dodgrv:	P5923	32 56.60	-111 28.30	1482.0	979394.67	979560.69	-0.24	-50.55	-0.59	0.00	-26.62	-77.99	-74.72
dodgrv:	P5922	32 56.60	-111 29.39	1453.1	979393.30	979560.69	-0.23	-49.56	-0.58	0.00	-30.71	-81.08	-77.67
dodgrv:	P5675	32 56.66	-111 30.40	1434.1	979392.91	979560.77	-0.21	-48.91	-0.57	0.00	-32.96	-82.66	-77.49
dodgrv:	P5930	32 56.66	-111 31.42	1416.0	979392.96	979560.77	-0.22	-48.30	-0.57	0.00	-34.61	-83.09	-80.57
dodgrv:	P5931	32 56.66	-111 32.42	1414.0	979392.12	979560.77	-0.26	-48.23	-0.57	0.00	-35.64	-84.70	-81.57
dodgrv:	P5673	32 56.69	-111 33.47	1417.0	979391.58	979560.81	-0.27	-48.33	-0.57	0.00	-35.94	-85.11	-81.98
dodgrv:	P5630	32 57.17	-111 49.55	1426.8	979409.53	979561.47	-0.18	-48.67	-0.57	0.00	-17.72	-67.14	-63.99
dodgrv:	P5631	32 57.17	-111 47.48	1456.0	979408.30	979561.47	-0.19	-49.66	-0.58	0.00	-16.21	-66.64	-63.43
dodgrv:	P5625	32 57.20	-111 43.31	1466.9	979391.34	979561.51	-0.21	-50.03	-0.58	0.00	-32.19	-83.01	-79.78
dodgrv:	P0000	32 57.50	-111 17.69	1891.1	979361.56	979561.92	-0.04	-64.50	-0.73	0.00	-22.48	-87.75	-83.59
dodgrv:	P0001	32 57.50	-111 18.20	1862.9	979363.77	979561.92	-0.05	-63.54	-0.72	0.00	-22.93	-87.23	-83.14
dodgrv:	P5674	32 57.53	-111 32.45	1407.1	979394.38	979561.96	-0.25	-47.99	-0.56	0.00	-35.22	-84.03	-80.92
dodgrv:	P0595	32 57.56	-111 45.40	1461.9	979397.93	979562.01	-0.21	-49.86	-0.58	0.00	-26.56	-77.21	-73.99
dodgrv:	P5629	32 58.04	-111 47.48	1520.0	979402.27	979562.66	-0.16	-51.84	-0.60	0.00	-17.41	-70.02	-66.67
dodgrv:	P5627	32 58.06	-111 42.29	1527.9	979392.27	979562.70	-0.18	-52.11	-0.61	0.00	-26.70	-79.60	-76.23
dodgrv:	P5628	32 58.07	-111 44.35	1496.1	979392.61	979562.70	-0.20	-51.03	-0.59	0.00	-29.37	-81.19	-77.89
dodgrv:	P5626	32 58.07	-111 43.31	1507.9	979392.17	979562.70	-0.19	-51.43	-0.60	0.00	-28.70	-80.92	-77.59
dodgrv:	P0741	32 58.40	-111 33.49	1395.0	979397.09	979563.16	-0.26	-47.58	-0.56	0.00	-34.85	-83.24	-80.16
dodgrv:	P5646	32 58.94	-111 53.69	1348.1	979413.55	979563.91	-0.20	-44.98	-0.54	0.00	-23.55	-70.27	-67.29
dodgrv:	P0739	32 59.29	-111 31.40	1422.9	979402.35	979564.38	-0.21	-43.53	-0.57	0.00	-28.19	-77.50	-74.36

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Date: 05/13/80

STATION IDENTIFICATION		L O C A T I O N		E L E		O B S E R V E D		T H E O R E T I C A L		T E R R A I N		C O U R S E		S P E C I A L		A I R		A N O M A L I E S		S P E C I A L	
proj	sta-id	LATITUDE	LONGITUDE	deg	min	deg	min	deg	min	deg	min	deg	min	deg	min	deg	min	deg	min	deg	min
dodgrv:	P0740	32	59.29	-111	33.50	1402.9		979399.60	979564.38	-0.24	-47.85	-0.56	0.00	-32.82	-81.47	-78.37					
dodgrv:	P0013	33	0.10	-111	45.50	1523.0		979400.76	979565.50	-0.14	-51.94	-0.60	0.00	-21.49	-74.17	-70.82					
dodgrv:	P0912	33	0.20	-111	28.30	1464.9		979403.72	979565.63	-0.16	-49.96	-0.58	0.00	-24.12	-74.33	-71.60					
dodgrv:	P0911	33	0.20	-111	30.40	1428.1		979408.03	979565.63	-0.23	-48.71	-0.57	0.00	-23.27	-72.78	-69.63					
dodgrv:	P0182	33	0.37	-111	46.90	1588.9		979402.03	979565.87	-0.09	-54.19	-0.63	0.00	-14.38	-69.29	-65.79					
dodgrv:	P0886	33	0.59	-111	33.59	1400.9		979407.10	979566.17	-0.25	-47.78	-0.56	0.00	-27.29	-75.89	-72.79					
dodgrv:	P0183	33	0.74	-111	48.11	1665.0		979401.30	979566.38	0.19	-56.79	-0.65	0.00	-8.47	-65.72	-62.07					
dodgrv:	P0223	33	0.83	-111	54.74	1312.0		979419.84	979566.50	-0.20	-44.75	-0.53	0.00	-23.25	-68.72	-65.83					
dodgrv:	P0152	33	0.83	-111	59.75	1213.9		979415.18	979566.50	-0.21	-41.40	-0.49	0.00	-37.14	-79.24	-76.56					
dodgrv:	P0181	33	0.85	-111	50.24	1555.1		979407.82	979566.53	0.05	-53.04	-0.61	0.00	-12.43	-66.04	-62.62					
dodgrv:	P0156	33	0.94	-111	58.70	1217.8		979420.24	979566.66	-0.23	-41.54	-0.49	0.00	-31.85	-74.12	-71.43					
dodgrv:	P0044	33	0.95	-111	51.44	1500.0		979412.33	979566.67	0.00	-51.16	-0.64	0.00	-13.18	-64.94	-61.64					
dodgrv:	P0179	33	1.01	-111	52.88	1419.9		979418.23	979566.75	0.08	-48.43	-0.57	0.00	-14.95	-63.87	-60.75					
dodgrv:	P0011	33	1.07	-111	47.30	1549.9		979409.59	979566.84	0.05	-52.86	-0.61	0.00	-11.45	-64.88	-61.48					
dodgrv:	P0798	33	1.19	-111	44.39	1530.8		979405.68	979567.00	-0.09	-52.21	-0.61	0.00	-17.32	-70.23	-66.86					
dodgrv:	P0012	33	1.21	-111	46.82	1580.0		979404.78	979567.02	-0.12	-53.89	-0.62	0.00	-13.62	-68.25	-64.78					
dodgrv:	P0891	33	1.30	-111	32.99	1389.1		979415.74	979567.15	-0.24	-47.38	-0.56	0.00	-20.74	-68.92	-65.85					
dodgrv:	P0180	33	1.64	-111	49.28	1555.1		979409.78	979567.62	-0.05	-53.04	-0.61	0.00	-11.56	-65.26	-61.84					
dodgrv:	P0043	33	1.70	-111	51.44	1480.0		979414.40	979567.70	0.03	-50.48	-0.59	0.00	-14.09	-65.12	-61.68					
dodgrv:	P0158	33	1.73	-111	54.55	1307.1		979425.05	979567.74	-0.19	-44.58	-0.53	0.00	-19.74	-65.04	-62.16					
dodgrv:	P0135	33	1.73	-111	55.58	1262.1		979427.16	979567.74	-0.23	-43.05	-0.51	0.00	-21.85	-65.84	-62.86					
dodgrv:	P0147	33	1.75	-111	58.70	1210.0		979422.84	979567.77	-0.25	-41.27	-0.49	0.00	-31.11	-73.12	-70.44					
dodgrv:	P0178	33	1.78	-111	52.33	1437.0		979418.03	979567.81	-0.01	-49.01	-0.57	0.00	-14.61	-64.20	-61.05					
dodgrv:	P0000	33	1.79	-111	16.30	1847.1		979359.45	979567.82	-0.02	-63.00	-0.71	0.00	-34.63	-98.46	-94.30					
dodgrv:	P0001	33	1.79	-111	16.60	1817.9		979364.12	979567.82	-0.02	-62.00	-0.70	0.00	-32.71	-95.44	-91.44					
dodgrv:	P0002	33	1.79	-111	17.09	1788.1		979366.96	979567.82	-0.03	-60.99	-0.69	0.00	-32.66	-94.38	-90.45					
dodgrv:	P0003	33	1.79	-111	17.50	1754.9		979370.35	979567.82	-0.02	-59.86	-0.68	0.00	-32.40	-92.96	-89.10					
dodgrv:	P0005	33	1.79	-111	18.29	1704.1		979375.11	979567.82	-0.04	-58.12	-0.67	0.00	-32.43	-91.25	-87.51					
dodgrv:	P0006	33	1.79	-111	18.80	1676.8		979376.33	979567.82	-0.06	-57.19	-0.66	0.00	-33.77	-91.68	-87.99					
dodgrv:	P0007	33	1.79	-111	19.30	1650.9		979377.76	979567.82	-0.07	-56.31	-0.65	0.00	-34.78	-91.80	-88.17					
dodgrv:	P0008	33	1.79	-111	19.60	1624.0		979379.23	979567.82	-0.08	-55.39	-0.64	0.00	-35.83	-91.94	-88.37					
dodgrv:	P0009	33	1.79	-111	20.00	1602.0		979379.97	979567.82	-0.08	-54.64	-0.63	0.00	-37.16	-92.51	-88.99					
dodgrv:	P0887	33	1.90	-111	33.59	1368.1		979415.00	979567.98	-0.23	-46.66	-0.55	0.00	-24.28	-71.73	-68.71					
dodgrv:	P0885	33	2.20	-111	31.40	1402.9		979417.26	979568.39	-0.11	-47.85	-0.56	0.00	-19.17	-67.69	-64.00					
dodgrv:	P0316	33	2.35	-111	53.51	1350.1		979423.13	979568.59	-0.20	-46.05	-0.54	0.00	-18.47	-65.26	-62.28					
dodgrv:	P0010	33	2.44	-111	48.61	1476.0		979415.13	979568.72	-0.10	-50.34	-0.59	0.00	-14.74	-65.77	-62.52					
dodgrv:	P0799	33	2.50	-111	43.49	1464.9		979415.30	979568.80	0.06	-49.96	-0.58	0.00	-15.71	-66.20	-62.98					
dodgrv:	P0157	33	2.57	-111	59.72	1195.9		979421.61	979568.90	-0.21	-40.79	-0.49	0.00	-34.80	-76.28	-73.64					
dodgrv:	P0041	33	2.60	-111	50.78	1453.1		979417.54	979568.94	-0.13	-49.56	-0.58	0.00	-14.72	-64.99	-61.79					
dodgrv:	P0159	33	2.60	-111	54.55	1294.9		979425.98	979568.94	-0.22	-44.17	-0.52	0.00	-21.15	-66.06	-63.20					

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION		L U C A Y I		O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		S P E C	
IDENTIFICATION	sta-id	LATITUDE	LONGITUDE	ELE	ST	OBSERVED	THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLITE-BOUGUER
proj		deg	min	deg	min	(in ft)						AIR	d1=2.07 d2=2.50 FIELDS
dodgrv:	P0148	33	2.60	-111	58.70	1200.1	979424.51	979568.94	-0.25	-40.93	-0.49	0.00	-73.21
dodgrv:	P0132	33	2.62	-111	55.60	1249.0	979427.94	979568.97	-0.24	-42.60	-0.51	0.00	-60.89
dodgrv:	P0133	33	2.62	-111	56.63	1214.9	979428.58	979568.97	-0.26	-41.44	-0.49	0.00	-68.50
dodgrv:	P0149	33	2.63	-111	57.65	1208.0	979427.74	979568.98	-0.26	-41.20	-0.49	0.00	-69.56
dodgrv:	P0042	33	2.69	-111	51.44	1426.8	979419.60	979569.06	-0.13	-48.67	-0.57	0.00	-64.61
dodgrv:	P0884	33	2.69	-111	32.20	1391.1	979418.63	979569.06	-0.16	-47.45	-0.56	0.00	-67.74
dodgrv:	P0015	33	2.71	-111	48.11	1443.9	979417.98	979569.09	-0.12	-49.25	-0.58	0.00	-65.23
dodgrv:	P0909	33	2.80	-111	36.80	1356.0	979417.50	979569.21	-0.18	-46.25	-0.54	0.00	-71.14
dodgrv:	P0009	33	2.99	-111	49.40	1437.0	979418.42	979569.48	-0.16	-49.01	-0.57	0.00	-65.63
dodgrv:	P5790	33	2.99	-111	27.70	1474.1	979408.84	979569.48	-0.22	-50.28	-0.59	0.00	-73.06
dodgrv:	P5785	33	2.99	-111	29.09	1463.9	979410.11	979569.48	-0.22	-49.93	-0.58	0.00	-72.40
dodgrv:	P0142	33	3.05	-111	56.63	1211.9	979429.07	979569.55	-0.26	-41.34	-0.49	0.00	-68.57
dodgrv:	P0016	33	3.16	-111	42.31	1397.0	979421.71	979569.71	-0.13	-47.65	-0.56	0.00	-64.93
dodgrv:	P5789	33	3.20	-111	26.80	1490.2	979406.34	979569.77	-0.21	-50.82	-0.59	0.00	-74.88
dodgrv:	P0883	33	3.20	-111	32.99	1389.1	979419.96	979569.77	-0.20	-47.38	-0.56	0.00	-67.27
dodgrv:	P0888	33	3.20	-111	33.59	1371.1	979420.60	979569.77	-0.21	-46.76	-0.55	0.00	-67.72
dodgrv:	P0317	33	3.28	-111	52.57	1353.0	979425.49	979569.88	-0.21	-46.15	-0.54	0.00	-64.01
dodgrv:	P0123	33	3.46	-111	57.76	1196.8	979430.10	979570.13	-0.25	-40.82	-0.49	0.00	-69.00
dodgrv:	P0124	33	3.50	-111	56.63	1205.0	979429.81	979570.18	-0.26	-41.10	-0.49	0.00	-68.86
dodgrv:	P0121	33	3.50	-111	59.75	1186.0	979424.11	979570.18	-0.21	-40.45	-0.48	0.00	-75.65
dodgrv:	P0359	33	3.58	-111	45.23	1365.2	979423.98	979570.29	-0.21	-46.56	-0.55	0.00	-65.21
dodgrv:	P0166	33	3.58	-111	48.35	1395.0	979422.20	979570.29	-0.20	-47.58	-0.56	0.00	-65.20
dodgrv:	P0040	33	3.59	-111	51.43	1365.2	979425.44	979570.30	-0.20	-46.56	-0.55	0.00	-63.76
dodgrv:	P0131	33	3.65	-111	55.55	1233.9	979427.89	979570.38	-0.23	-42.09	-0.50	0.00	-69.24
dodgrv:	P0176	33	3.68	-111	53.53	1299.9	979429.51	979570.42	-0.20	-44.53	-0.52	0.00	-63.70
dodgrv:	P5784	33	3.70	-111	29.20	1475.1	979411.19	979570.45	-0.21	-50.51	-0.59	0.00	-71.62
dodgrv:	P0806	33	3.70	-111	41.00	1297.9	979424.42	979570.45	0.09	-44.27	-0.52	0.00	-68.05
dodgrv:	P0008	33	3.71	-111	50.33	1381.9	979425.44	979570.47	-0.20	-47.13	-0.55	0.00	-62.93
dodgrv:	P0017	33	3.74	-111	47.30	1366.1	979425.39	979570.51	-0.21	-46.60	-0.55	0.00	-63.97
dodgrv:	P0165	33	3.74	-111	49.22	1390.1	979423.48	979570.51	-0.21	-47.41	-0.56	0.00	-64.44
dodgrv:	P0800	33	3.89	-111	44.20	1315.9	979427.22	979570.72	-0.21	-44.88	-0.53	0.00	-65.34
dodgrv:	P0141	33	3.95	-111	56.65	1196.8	979430.39	979570.80	-0.25	-40.82	-0.49	0.00	-69.38
dodgrv:	P0007	33	3.98	-111	50.39	1362.9	979427.30	979570.84	-0.22	-46.48	-0.55	0.00	-62.60
dodgrv:	P5791	33	4.00	-111	21.89	1546.9	979391.58	979570.87	-0.14	-52.76	-0.61	0.00	-81.29
dodgrv:	P0882	33	4.00	-111	34.90	1365.2	979422.56	979570.87	-0.22	-46.56	-0.55	0.00	-67.22
dodgrv:	P0119	33	4.34	-111	58.70	1182.1	979428.68	979571.34	-0.25	-40.32	-0.48	0.00	-72.51
dodgrv:	P0130	33	4.34	-111	55.73	1211.9	979430.54	979571.34	-0.25	-41.34	-0.49	0.00	-68.67
dodgrv:	P0125	33	4.34	-111	56.63	1192.9	979431.16	979571.34	-0.26	-40.69	-0.49	0.00	-69.38
dodgrv:	P0118	33	4.34	-111	57.65	1187.0	979430.69	979571.34	-0.27	-40.49	-0.48	0.00	-70.23
dodgrv:	P0120	33	4.34	-111	59.75	1176.8	979426.76	979571.34	-0.22	-40.14	-0.48	0.00	-74.71

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION	L LATITUDE	C LONGITUDE	A TIME	I O N S ELE	S ST	G R A V I T Y OBSERVED THEORETICAL	C O R R E C T I O N S TEMPAL BOUGUER CURV	SPECIAL	A N O M A L I E S FREE COMPLETE-BOUGUER	SPEC FIELDS				
proj	deg	min	deg	min	(in ft)				AIR	d1=2.67 d2=2.50				
dodgrv: P0358	33	4.42	-111	45.20	1313.0	979428.45	979571.45	-0.23	-44.78	-0.53	0.00	-19.49	-65.03	-62.13
dodgrv: P0175	33	4.43	-111	53.57	1279.9	979433.88	979571.46	-0.16	-43.65	-0.52	0.00	-17.19	-61.52	-58.69
dodgrv: P0018	33	4.45	-111	47.30	1317.9	979428.04	979571.48	-0.24	-44.95	-0.53	0.00	-19.48	-65.20	-62.29
dodgrv: P0019	33	4.45	-111	48.32	1328.1	979427.55	979571.48	-0.24	-45.30	-0.53	0.00	-19.01	-65.09	-62.15
dodgrv: P0020	33	4.45	-111	49.37	1333.0	979425.19	979571.48	-0.23	-45.46	-0.54	0.00	-20.91	-67.14	-64.20
dodgrv: P0006	33	4.45	-111	50.39	1331.0	979429.31	979571.48	-0.23	-45.40	-0.54	0.00	-16.97	-63.13	-60.14
dodgrv: P0039	33	4.45	-111	51.44	1319.9	979430.54	979571.48	-0.23	-45.02	-0.53	0.00	-16.79	-62.57	-59.66
dodgrv: P0163	33	4.45	-111	52.49	1296.9	979432.26	979571.48	-0.23	-44.23	-0.52	0.00	-17.23	-62.22	-59.36
dodgrv: P0805	33	4.49	-111	41.00	1291.0	979425.70	979571.54	-0.02	-44.03	-0.52	0.00	-24.40	-66.97	-60.14
dodgrv: P5793	33	4.60	-111	20.09	1541.0	979389.33	979571.70	-0.09	-52.56	-0.61	0.00	-37.41	-90.67	-87.28
dodgrv: P5792	33	4.60	-111	20.99	1549.9	979390.46	979571.70	-0.11	-52.66	-0.61	0.00	-35.45	-84.03	-85.62
dodgrv: P0889	33	4.60	-111	32.90	1451.1	979421.09	979571.70	-0.17	-49.49	-0.58	0.00	-14.10	-64.54	-61.14
dodgrv: P0881	33	4.60	-111	36.59	1342.8	979426.24	979571.70	-0.17	-45.80	-0.54	0.00	-19.14	-65.65	-62.69
dodgrv: P5900	33	4.70	-111	22.49	1564.0	979392.27	979571.83	-0.14	-53.34	-0.62	0.00	-32.44	-86.55	-83.10
dodgrv: P0140	33	4.78	-111	56.63	1186.0	979431.77	979571.94	-0.26	-40.45	-0.48	0.00	-28.60	-69.80	-67.18
dodgrv: P0005	33	4.88	-111	50.41	1304.1	979431.08	979572.08	-0.23	-44.48	-0.53	0.00	-18.33	-63.56	-60.68
dodgrv: P5794	33	5.00	-111	19.40	1562.0	979385.51	979572.24	-0.05	-53.28	-0.62	0.00	-39.81	-93.75	-90.32
dodgrv: P0804	33	5.09	-111	41.00	1278.9	979429.23	979572.37	0.08	-43.62	-0.52	0.00	-22.84	-60.89	-64.09
dodgrv: P0880	33	5.20	-111	38.90	1336.0	979428.84	979572.52	-0.04	-45.57	-0.54	0.00	-18.01	-64.19	-61.25
dodgrv: P0114	33	5.23	-111	54.58	1220.1	979436.18	979572.56	-0.19	-41.62	-0.50	0.00	-21.61	-63.91	-61.21
dodgrv: P0126	33	5.24	-111	58.66	1173.9	979430.89	979572.57	-0.27	-40.04	-0.48	0.00	-31.26	-72.05	-69.45
dodgrv: P0116	33	5.24	-111	56.62	1182.1	979431.77	979572.57	-0.27	-40.32	-0.48	0.00	-29.61	-70.68	-68.06
dodgrv: P0117	33	5.24	-111	57.67	1179.1	979431.28	979572.57	-0.27	-40.22	-0.48	0.00	-30.38	-71.34	-68.74
dodgrv: P0127	33	5.24	-111	59.69	1168.0	979431.67	979572.57	-0.24	-39.84	-0.48	0.00	-31.04	-71.59	-69.01
dodgrv: P5795	33	5.30	-111	18.59	1557.1	979382.71	979572.66	0.01	-53.11	-0.62	0.00	-43.48	-97.19	-93.77
dodgrv: P0801	33	5.30	-111	44.60	1262.1	979428.15	979572.66	-0.16	-43.05	-0.51	0.00	-25.79	-69.50	-66.72
dodgrv: P0352	33	5.30	-111	45.23	1263.1	979428.99	979572.66	-0.18	-43.08	-0.51	0.00	-24.85	-60.02	-65.83
dodgrv: P0167	33	5.30	-111	49.37	1280.8	979427.50	979572.66	-0.24	-43.69	-0.52	0.00	-24.67	-69.12	-66.29
dodgrv: P0004	33	5.30	-111	50.41	1280.8	979430.74	979572.66	-0.24	-43.69	-0.52	0.00	-21.43	-65.88	-63.05
dodgrv: P0162	33	5.30	-111	52.49	1261.2	979432.26	979572.66	-0.24	-43.01	-0.51	0.00	-21.77	-65.53	-62.75
dodgrv: P0169	33	5.30	-111	48.34	1276.9	979428.53	979572.66	-0.25	-43.55	-0.52	0.00	-24.01	-66.33	-65.51
dodgrv: P0164	33	5.30	-111	51.44	1273.9	979433.09	979572.66	-0.25	-43.45	-0.52	0.00	-19.73	-63.94	-61.13
dodgrv: P0170	33	5.35	-111	47.30	1264.1	979428.63	979572.73	-0.20	-43.12	-0.51	0.00	-25.18	-64.01	-60.22
dodgrv: P0177	33	5.36	-111	53.51	1237.9	979433.04	979572.74	-0.21	-42.22	-0.50	0.00	-23.26	-60.19	-63.46
dodgrv: P0803	33	5.60	-111	41.30	1277.9	979431.88	979573.07	0.20	-43.59	-0.52	0.00	-20.98	-64.68	-62.09
dodgrv: P0890	33	5.69	-111	32.09	1495.1	979419.81	979573.20	-0.21	-50.99	-0.59	0.00	-12.75	-64.55	-61.25
dodgrv: P0879	33	5.69	-111	40.60	1323.2	979430.85	979573.20	-0.03	-45.13	-0.53	0.00	-17.86	-63.57	-60.66
dodgrv: P0003	33	5.75	-111	50.41	1255.9	979431.87	979573.27	-0.25	-42.64	-0.51	0.00	-23.27	-60.67	-64.09
dodgrv: P5796	33	5.90	-111	18.10	1595.1	979380.06	979573.48	-0.02	-54.41	-0.63	0.00	-43.38	-96.43	-94.93
dodgrv: P5781	33	5.99	-111	30.50	1544.9	979414.57	979573.61	-0.20	-52.69	-0.61	0.00	-13.71	-67.22	-63.81

BOUGUER GRAVITY DATA

page 11

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION		L O C A T I O N		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		S P L C	
IDENTIFICATION	sta-id	LATITUDE	LONGITUDE	ELE	ST	IFRRAIN	BOUGUER	FREE	COMPLETE	d1=2.67	d2=2.50
proj		deg	min	deg	min	THEORETICAL	CURV	AIR	BOUGUER		FIELDS
dodgrv:	P0172	33	6.05	-111	47.32	1233.9		0.00	-28.65	-71.37	-68.65
dodgrv:	P0171	33	6.05	-111	48.35	1238.8		0.00	-28.29	-71.29	-68.55
dodgrv:	P0022	33	6.05	-111	52.49	1199.1		0.00	-21.81	-63.44	-60.79
dodgrv:	P0168	33	6.10	-111	49.39	1234.9		0.00	-27.93	-70.80	-68.07
dodgrv:	P0129	33	6.14	-111	59.69	1160.1		0.00	-27.18	-67.47	-64.91
dodgrv:	P0128	33	6.17	-111	58.64	1164.0		0.00	-29.30	-69.75	-67.18
dodgrv:	P0113	33	6.17	-111	53.50	1213.9		0.00	-27.71	-69.86	-67.18
dodgrv:	P0111	33	6.19	-111	55.58	1182.1		0.00	-30.43	-71.51	-68.90
dodgrv:	P0110	33	6.19	-111	56.60	1176.8		0.00	-30.68	-71.58	-68.98
dodgrv:	P5797	33	6.20	-111	17.20	1633.9		0.00	-52.40	-108.74	-105.15
dodgrv:	P0112	33	6.20	-111	54.53	1198.2		0.00	-29.18	-70.61	-68.16
dodgrv:	P0161	33	6.23	-111	52.49	1226.0		0.00	-25.52	-66.10	-65.39
dodgrv:	P0002	33	6.26	-111	50.41	1234.9		0.00	-24.32	-67.22	-64.48
dodgrv:	P0109	33	6.31	-111	57.65	1168.0		0.00	-29.47	-70.06	-67.48
dodgrv:	P0160	33	6.35	-111	51.44	1230.0		0.00	-24.47	-67.19	-64.47
dodgrv:	P5798	33	6.40	-111	16.19	1611.9		0.00	-52.98	-108.46	-104.92
dodgrv:	P0802	33	6.59	-111	44.20	1265.1		0.00	-25.51	-69.16	-66.38
dodgrv:	P0138	33	6.62	-111	56.60	1169.9		0.00	-30.25	-70.91	-68.52
dodgrv:	P0289	33	6.65	-111	50.41	1219.2		0.00	-23.12	-65.46	-62.77
dodgrv:	P0910	33	6.80	-111	40.00	1484.9		0.00	-11.22	-62.20	-58.95
dodgrv:	PS000	33	7.00	-111	21.59	1669.0		0.00	-35.98	-93.67	-90.00
dodgrv:	P0174	33	7.01	-111	48.47	1220.1		0.00	-30.14	-72.50	-69.80
dodgrv:	P0027	33	7.04	-111	58.69	1162.1		0.00	-28.28	-68.67	-66.10
dodgrv:	P0353	33	7.04	-111	45.25	1253.9		0.00	-26.99	-70.30	-67.54
dodgrv:	P0318	33	7.04	-111	49.37	1225.1		0.00	-28.44	-70.99	-68.28
dodgrv:	P0001	33	7.04	-111	50.41	1214.9		0.00	-22.24	-64.44	-61.75
dodgrv:	P0024	33	7.04	-111	54.53	1192.9		0.00	-29.70	-71.15	-68.51
dodgrv:	P0026	33	7.04	-111	57.64	1164.0		0.00	-30.64	-71.09	-68.52
dodgrv:	P0028	33	7.04	-111	59.69	1152.9		0.00	-26.94	-66.98	-64.43
dodgrv:	P0023	33	7.06	-111	53.50	1194.9		0.00	-27.62	-69.13	-66.49
dodgrv:	P0025	33	7.06	-111	55.58	1181.1		0.00	-29.41	-70.46	-67.84
dodgrv:	P0097	33	7.06	-111	56.60	1173.9		0.00	-29.75	-70.54	-67.94
dodgrv:	P0173	33	7.09	-111	47.38	1232.0		0.00	-29.78	-72.50	-69.78
dodgrv:	PS001	33	7.10	-111	22.00	1654.9		0.00	-34.61	-91.82	-88.18
dodgrv:	PS002	33	7.10	-111	22.40	1643.0		0.00	-33.02	-89.83	-86.21
dodgrv:	P0288	33	7.49	-111	50.41	1214.9		0.00	-21.87	-64.07	-61.38
dodgrv:	P5901	33	7.60	-111	21.50	1669.0		0.00	-38.38	-96.06	-92.58
dodgrv:	P0021	33	7.60	-111	51.44	1207.0		0.00	-21.39	-63.33	-60.66
dodgrv:	P0211	33	7.91	-111	48.44	1217.8		0.00	-27.42	-69.71	-67.02
dodgrv:	P0354	33	7.91	-111	45.02	1271.0		0.00	-23.59	-67.55	-64.75

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L U C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		S P E C				
proj	sta-id	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST	OBSERVED	THEORETICAL	TERRAIN BOUGUER	CURV	SPECIAL	FREE AIR	COMPLETE d1=2.67	BOUGUER d2=2.50	FIELDS
dodgrv:	P0071	33	7.93	-111 51.44	1204.1	979443.01	979576.28	-0.28	-41.07	-0.49	0.00	-20.01	-61.85	-59.19
dodgrv:	P0209	33	7.94	-111 47.30	1231.0	979432.21	979576.30	-0.17	-41.98	-0.50	0.00	-28.29	-70.95	-68.23
dodgrv:	P0074	33	7.94	-111 54.55	1180.1	979436.82	979576.30	-0.28	-40.25	-0.48	0.00	-28.47	-69.48	-66.87
dodgrv:	P0075	33	7.94	-111 55.57	1172.9	979436.53	979576.30	-0.28	-40.00	-0.48	0.00	-29.43	-70.20	-67.00
dodgrv:	P0098	33	7.94	-111 57.64	1171.9	979440.16	979576.30	-0.28	-39.97	-0.48	0.00	-25.89	-60.62	-54.03
dodgrv:	P0099	33	7.94	-111 58.67	1155.8	979443.10	979576.30	-0.29	-39.42	-0.47	0.00	-24.47	-64.65	-62.09
dodgrv:	P0320	33	7.94	-111 50.39	1211.9	979440.65	979576.30	-0.28	-41.34	-0.49	0.00	-21.64	-63.75	-61.07
dodgrv:	P0072	33	7.94	-111 52.49	1194.9	979441.63	979576.30	-0.28	-40.75	-0.49	0.00	-22.26	-63.78	-61.14
dodgrv:	P0073	33	7.94	-111 53.50	1187.0	979439.28	979576.30	-0.28	-40.49	-0.48	0.00	-25.36	-60.01	-63.98
dodgrv:	P0299	33	7.94	-111 56.60	1166.0	979438.20	979576.30	-0.28	-39.77	-0.48	0.00	-28.41	-60.93	-60.35
dodgrv:	P0417	33	7.96	-111 24.26	1612.9	979390.12	979576.32	-0.15	-55.01	-0.63	0.00	-34.49	-90.29	-86.74
dodgrv:	P0389	33	7.96	-111 32.24	1517.1	979425.70	979576.32	-0.16	-51.74	-0.60	0.00	-7.92	-60.42	-57.08
dodgrv:	P0101	33	8.06	-111 59.71	1149.9	979447.42	979576.46	-0.27	-39.22	-0.47	0.00	-20.87	-60.83	-58.29
dodgrv:	P0300	33	8.30	-111 57.10	1163.1	979440.50	979576.79	-0.28	-39.67	-0.47	0.00	-26.89	-67.31	-64.74
dodgrv:	P0076	33	8.32	-111 55.57	1169.9	979437.71	979576.82	-0.28	-39.90	-0.48	0.00	-29.06	-69.72	-67.13
dodgrv:	P0191	33	8.35	-111 50.41	1205.0	979441.58	979576.86	-0.28	-41.10	-0.49	0.00	-21.93	-63.80	-61.13
dodgrv:	P5902	33	8.50	-111 21.40	1693.9	979376.29	979577.07	-0.09	-57.77	-0.66	0.00	-41.45	-99.97	-96.25
dodgrv:	P0375	33	8.65	-111 42.10	1544.9	979427.22	979577.27	0.15	-52.69	-0.61	0.00	-4.73	-57.89	-54.50
dodgrv:	P0216	33	8.65	-111 52.49	1189.0	979443.10	979577.27	-0.28	-40.55	-0.48	0.00	-22.33	-63.05	-61.02
dodgrv:	P0355	33	8.69	-111 45.14	1289.0	979438.21	979577.33	-0.07	-43.97	-0.52	0.00	-17.86	-62.42	-59.58
dodgrv:	P0100	33	8.78	-111 58.67	1148.0	979446.10	979577.45	-0.27	-39.15	-0.47	0.00	-23.37	-63.26	-60.72
dodgrv:	P0208	33	8.80	-111 47.32	1224.1	979436.68	979577.48	-0.15	-41.75	-0.50	0.00	-25.66	-68.05	-65.35
dodgrv:	P0210	33	8.80	-111 48.32	1220.1	979435.45	979577.48	-0.25	-41.62	-0.50	0.00	-27.25	-69.61	-66.92
dodgrv:	P0214	33	8.80	-111 49.39	1213.9	979437.22	979577.48	-0.28	-41.40	-0.49	0.00	-26.07	-68.25	-65.57
dodgrv:	P0192	33	8.80	-111 50.39	1201.1	979441.58	979577.48	-0.29	-40.97	-0.49	0.00	-22.92	-64.66	-62.01
dodgrv:	P0290	33	8.80	-111 53.50	1186.0	979442.51	979577.48	-0.28	-40.45	-0.48	0.00	-23.41	-64.02	-62.00
dodgrv:	P0077	33	8.80	-111 55.57	1169.0	979441.09	979577.48	-0.28	-39.87	-0.48	0.00	-26.43	-67.05	-64.47
dodgrv:	P0291	33	8.81	-111 54.55	1176.8	979442.86	979577.49	-0.28	-40.14	-0.48	0.00	-23.93	-64.93	-62.23
dodgrv:	P0387	33	8.84	-111 35.30	1613.8	979427.47	979577.54	-0.17	-55.04	-0.63	0.00	1.74	-54.11	-50.56
dodgrv:	P0373	33	8.87	-111 44.45	1352.0	979437.82	979577.58	-0.10	-46.11	-0.54	0.00	-12.58	-59.34	-56.36
dodgrv:	P0217	33	8.90	-111 51.35	1194.9	979444.92	979577.62	-0.26	-40.75	-0.49	0.00	-20.30	-61.80	-59.16
dodgrv:	P0302	33	8.90	-111 57.65	1148.0	979444.13	979577.62	-0.27	-39.15	-0.47	0.00	-25.50	-63.39	-62.85
dodgrv:	P0102	33	8.92	-111 59.75	1140.1	979449.09	979577.65	-0.27	-38.89	-0.47	0.00	-21.31	-60.93	-58.41
dodgrv:	P0418	33	8.95	-111 22.93	1667.0	979380.06	979577.69	-0.12	-50.86	-0.65	0.00	-40.82	-98.45	-94.78
dodgrv:	P0388	33	9.13	-111 33.26	1522.0	979428.40	979577.94	-0.21	-51.91	-0.60	0.00	-6.37	-59.10	-55.74
dodgrv:	P0301	33	9.13	-111 57.11	1152.9	979443.74	979577.94	-0.28	-39.32	-0.47	0.00	-25.75	-65.82	-63.27
dodgrv:	P0391	33	9.17	-111 31.12	1512.1	979422.22	979577.99	-0.17	-51.57	-0.60	0.00	-13.54	-65.88	-62.55
dodgrv:	P0193	33	9.20	-111 50.41	1200.1	979441.58	979578.03	-0.28	-40.93	-0.49	0.00	-23.56	-65.26	-62.61
dodgrv:	P0419	33	9.22	-111 25.07	1618.1	979388.75	979578.06	-0.16	-55.19	-0.64	0.00	-37.11	-95.09	-89.53
dodgrv:	P0078	33	9.22	-111 55.57	1169.0	979443.35	979578.06	-0.28	-39.87	-0.48	0.00	-24.75	-65.38	-62.79

BOUGUER GRAVITY DATA

Page 13

standard gravity file created from dod gravity data
latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
Meter ID: Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L O C A T I O N LATITUDE deg min deg min	ELE (in ft)	G R A V I T Y OBSERVED THEORETICAL	C O R R E C T I O N S TERRAIN BOUGUER CURV SPECIAL	A N O M A L I E S FREE AIR d1=2.67 d2=2.50 FIELDS	SPEC
dodgrv: P0292	33 9.44 -111 54.52	1176.8	979447.13 979578.36	-0.28 -0.14 -0.48	-20.53 -61.43 -58.82	
dodgrv: P0293	33 9.50 -111 52.94	1176.8	979446.69 979578.45	-0.27 -0.14 -0.48	-21.06 -61.95 -59.34	
dodgrv: P0356	33 9.59 -111 45.35	1296.9	979444.54 979578.57	-0.03 -44.23 -0.52	-12.04 -56.82 -53.97	
dodgrv: P0079	33 9.59 -111 55.57	1160.1	979446.69 979578.57	-0.27 -39.57 -0.47	-22.76 -63.07 -60.50	
dodgrv: P0104	33 9.62 -111 59.75	1125.0	979454.05 979578.61	-0.27 -30.37 -0.46	-18.74 -57.84 -55.35	
dodgrv: P0296	33 9.65 -111 58.67	1134.8	979448.99 979578.65	-0.26 -38.71 -0.46	-22.91 -62.34 -59.83	
dodgrv: P0207	33 9.65 -111 47.30	1241.1	979440.06 979578.65	-0.22 -42.33 -0.50	-21.84 -64.90 -64.15	
dodgrv: P0213	33 9.65 -111 49.39	1213.9	979440.31 979578.65	-0.28 -41.40 -0.49	-24.15 -66.33 -63.64	
dodgrv: P0212	33 9.67 -111 48.35	1230.0	979437.31 979578.68	-0.26 -41.95 -0.50	-25.67 -68.38 -65.06	
dodgrv: P0215	33 9.67 -111 51.29	1206.0	979447.08 979578.68	-0.16 -41.13 -0.49	-18.16 -59.94 -57.28	
dodgrv: P0194	33 9.68 -111 50.39	1210.0	979441.97 979578.70	-0.29 -41.27 -0.49	-22.91 -64.96 -62.28	
dodgrv: P0393	33 9.71 -111 30.50	1523.9	979417.16 979578.73	-0.12 -51.98 -0.60	-18.22 -70.92 -67.57	
dodgrv: P0218	33 9.71 -111 52.07	1198.2	979448.30 979578.73	-0.18 -40.87 -0.49	-17.73 -59.27 -56.62	
dodgrv: P0080	33 9.95 -111 55.49	1155.8	979448.26 979579.06	-0.28 -39.42 -0.47	-22.08 -62.26 -59.70	
dodgrv: P0195	33 10.10 -111 50.41	1214.9	979442.86 979579.27	-0.23 -41.44 -0.49	-22.13 -64.35 -61.67	
dodgrv: P0382	33 10.18 -111 37.88	1655.8	979425.85 979579.38	0.10 -56.48 -0.65	2.22 -54.40 -51.17	
dodgrv: P0381	33 10.19 -111 39.89	1568.9	979427.56 979579.40	0.67 -53.51 -0.62	-4.26 -57.72 -54.32	
dodgrv: P0374	33 10.28 -111 44.78	1377.9	979442.68 979579.52	0.19 -47.00 -0.55	-7.23 -54.59 -51.57	
dodgrv: P0294	33 10.40 -111 53.51	1188.0	979449.34 979579.69	-0.28 -40.52 -0.48	-18.59 -59.88 -57.25	
dodgrv: P0219	33 10.52 -111 51.35	1207.0	979447.23 979579.85	-0.17 -41.17 -0.49	-19.08 -60.91 -58.24	
dodgrv: P0295	33 10.52 -111 58.70	1138.1	979452.57 979579.85	-0.26 -39.82 -0.47	-20.22 -59.77 -57.25	
dodgrv: P0196	33 10.52 -111 50.39	1213.9	979444.82 979579.85	-0.27 -41.40 -0.49	-20.84 -63.01 -60.33	
dodgrv: P0206	33 10.54 -111 48.37	1229.0	979441.39 979579.88	-0.27 -41.92 -0.50	-22.88 -65.57 -62.85	
dodgrv: P0222	33 10.55 -111 49.45	1220.1	979443.30 979579.89	-0.28 -41.62 -0.50	-21.82 -64.22 -61.52	
dodgrv: P0081	33 10.55 -111 55.52	1165.0	979449.09 979579.89	-0.29 -39.74 -0.48	-21.21 -61.71 -59.13	
dodgrv: P0357	33 10.58 -111 45.80	1280.8	979447.63 979579.94	-0.12 -43.69 -0.52	-11.82 -56.14 -53.32	
dodgrv: P0394	33 10.58 -111 30.56	1534.1	979411.42 979579.94	-0.17 -52.32 -0.61	-24.21 -77.31 -73.93	
dodgrv: P0386	33 10.60 -111 34.81	1512.1	979430.41 979579.96	-0.18 -51.57 -0.60	-7.31 -59.07 -56.33	
dodgrv: P0204	33 10.69 -111 47.32	1235.9	979445.46 979580.09	-0.23 -42.15 -0.50	-18.37 -61.26 -58.52	
dodgrv: P0297	33 10.70 -111 57.46	1154.9	979449.29 979580.10	-0.27 -39.39 -0.47	-22.18 -62.31 -59.75	
dodgrv: P0105	33 10.79 -111 20.90	1770.0	979369.37 979580.23	-0.03 -60.37 -0.69	-44.37 -105.46 -101.57	
dodgrv: P0104	33 10.90 -111 20.50	1789.0	979367.70 979580.38	-0.03 -61.02 -0.69	-44.39 -106.14 -102.20	
dodgrv: P0197	33 10.94 -111 50.41	1209.0	979446.19 979580.43	-0.28 -41.24 -0.49	-20.52 -62.53 -59.85	
dodgrv: P0306	33 10.96 -112 0.00	1130.9	979458.41 979580.46	-0.27 -38.57 -0.46	-15.67 -54.97 -52.47	
dodgrv: P0103	33 11.00 -111 20.20	1811.0	979365.98 979580.52	-0.02 -61.77 -0.70	-44.18 -106.67 -102.69	
dodgrv: P0082	33 11.02 -111 55.34	1172.9	979449.53 979580.54	-0.29 -40.00 -0.48	-20.68 -61.45 -58.86	
dodgrv: P0102	33 11.09 -111 19.79	1832.0	979364.71 979580.64	0.01 -62.48 -0.71	-43.61 -106.79 -102.77	
dodgrv: P0383	33 11.12 -111 36.98	1561.0	979430.16 979580.68	-0.11 -53.24 -0.62	-3.68 -57.65 -54.21	
dodgrv: P0364	33 11.24 -111 45.47	1296.9	979446.85 979580.84	-0.14 -44.23 -0.52	-12.00 -56.90 -54.04	
dodgrv: P0319	33 11.27 -111 49.34	1200.1	979445.02 979580.89	-0.27 -40.93 -0.49	-22.97 -64.06 -62.01	

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		S P E C I A L			
proj	sta-id	LATITUDE deg	LONGITUDE min	ELE. (in ft)	OBSERVED	THEORETICAL	TERRAIN BOUGUER	CURV	FREE AIR	COMPLETE-BOUGUER	SPEC FIELDS		
dodgrv:	P010	33 11.30	-111 19.00	1876.0	979361.61	979580.93	0.05	-63.98	-0.72	0.00	-42.86	-107.52	-103.40
dodgrv:	P011	33 11.30	-111 19.40	1854.0	979363.43	979580.93	0.03	-63.23	-0.71	0.00	-43.11	-107.03	-102.96
dodgrv:	P0307	33 11.33	-111 59.71	1133.9	979461.21	979580.97	-0.27	-38.67	-0.46	0.00	-13.10	-52.51	-50.00
dodgrv:	P0198	33 11.33	-111 50.39	1211.0	979446.19	979580.97	-0.28	-41.30	-0.49	0.00	-20.87	-62.95	-60.27
dodgrv:	P0421	33 11.38	-111 23.20	1711.9	979376.78	979581.04	-0.08	-58.39	-0.67	0.00	-43.23	-102.57	-98.60
dodgrv:	P0088	33 11.39	-111 53.50	1188.0	979451.10	979581.05	-0.28	-40.52	-0.48	0.00	-18.20	-59.48	-56.86
dodgrv:	P0005	33 11.39	-111 16.90	2037.1	979352.00	979581.05	0.18	-69.48	-0.77	0.00	-37.45	-107.52	-103.06
dodgrv:	P0006	33 11.39	-111 17.30	2002.0	979354.01	979581.05	0.15	-68.28	-0.76	0.00	-38.74	-107.63	-103.25
dodgrv:	P0008	33 11.39	-111 18.20	1931.1	979358.18	979581.05	0.11	-63.86	-0.74	0.00	-41.23	-107.73	-103.49
dodgrv:	P0009	33 11.39	-111 18.59	1899.9	979360.19	979581.05	0.08	-64.80	-0.73	0.00	-42.16	-107.61	-103.44
dodgrv:	P0368	33 11.39	-111 40.94	1522.0	979456.10	979581.05	0.05	-51.91	-0.60	0.00	-1.79	-54.25	-50.91
dodgrv:	P0089	33 11.39	-111 54.68	1175.9	979450.76	979581.05	-0.29	-40.10	-0.48	0.00	-19.69	-60.56	-57.96
dodgrv:	P0090	33 11.39	-111 55.55	1171.9	979449.24	979581.05	-0.29	-39.97	-0.48	0.00	-21.57	-62.31	-59.72
dodgrv:	P0108	33 11.39	-111 56.60	1162.1	979450.27	979581.05	-0.27	-39.63	-0.47	0.00	-21.47	-61.85	-59.28
dodgrv:	P0107	33 11.39	-111 57.55	1154.9	979452.77	979581.05	-0.27	-39.39	-0.47	0.00	-19.65	-59.78	-57.22
dodgrv:	P0106	33 11.39	-111 58.70	1144.0	979455.86	979581.05	-0.27	-39.02	-0.47	0.00	-17.58	-57.34	-54.80
dodgrv:	P0096	33 11.39	-111 59.84	1137.1	979458.66	979581.05	-0.27	-38.78	-0.46	0.00	-15.42	-54.94	-52.43
dodgrv:	P0205	33 11.44	-111 48.32	1288.0	979445.31	979581.13	-0.25	-41.88	-0.50	0.00	-20.30	-62.93	-60.21
dodgrv:	P0365	33 11.45	-111 44.39	1362.9	979444.35	979581.13	-0.07	-46.48	-0.55	0.00	-8.59	-55.69	-52.69
dodgrv:	P0513	33 11.45	-111 29.54	1563.0	979399.84	979581.13	-0.16	-53.31	-0.62	0.00	-34.27	-88.56	-84.91
dodgrv:	P0384	33 11.47	-111 34.46	1475.1	979425.31	979581.16	-0.19	-50.31	-0.59	0.00	-17.10	-68.19	-64.93
dodgrv:	P0004	33 11.50	-111 16.49	2076.1	979350.52	979581.20	0.22	-70.81	-0.78	0.00	-35.40	-106.78	-102.23
dodgrv:	P0007	33 11.50	-111 17.69	1970.1	979355.77	979581.20	0.13	-67.20	-0.75	0.00	-40.12	-107.94	-103.62
dodgrv:	P0203	33 11.51	-111 47.32	1243.1	979445.66	979581.22	-0.25	-42.40	-0.50	0.00	-18.62	-61.77	-59.03
dodgrv:	P0001	33 11.60	-111 15.29	2200.1	979343.56	979581.34	0.39	-73.04	-0.82	0.00	-30.84	-106.51	-101.51
dodgrv:	P0002	33 11.60	-111 15.70	2158.1	979346.75	979581.34	0.32	-73.61	-0.81	0.00	-31.60	-105.70	-100.98
dodgrv:	P0003	33 11.60	-111 16.10	2118.1	979349.44	979581.34	0.26	-72.24	-0.80	0.00	-32.68	-105.46	-100.82
dodgrv:	P5905	33 11.60	-111 20.09	1794.0	979370.46	979581.34	0.02	-61.19	-0.69	0.00	-42.14	-104.00	-100.06
dodgrv:	P0221	33 11.60	-111 52.48	1193.9	979450.76	979581.34	-0.28	-40.72	-0.49	0.00	-18.28	-59.77	-57.12
dodgrv:	P0220	33 11.60	-111 51.44	1201.1	979448.89	979581.34	-0.23	-40.97	-0.49	0.00	-19.47	-61.15	-56.50
dodgrv:	P0517	33 11.66	-111 26.35	1629.9	979387.96	979581.42	-0.13	-55.59	-0.64	0.00	-40.15	-96.51	-92.92
dodgrv:	P0199	33 11.75	-111 50.39	1211.9	979446.39	979581.55	-0.28	-41.34	-0.49	0.00	-21.16	-63.27	-60.58
dodgrv:	P0019	33 11.78	-111 26.00	1639.1	979386.64	979581.59	-0.12	-55.91	-0.64	0.00	-40.77	-97.44	-93.83
dodgrv:	P0093	33 11.89	-111 56.60	1155.8	979451.40	979581.74	-0.27	-39.42	-0.47	0.00	-21.62	-61.78	-59.23
dodgrv:	P0298	33 12.04	-111 58.61	1143.0	979458.51	979581.95	-0.27	-38.99	-0.47	0.00	-15.92	-55.64	-53.11
dodgrv:	P0018	33 12.07	-111 25.69	1649.9	979385.46	979581.99	-0.12	-56.27	-0.65	0.00	-41.33	-98.37	-94.74
dodgrv:	P0091	33 12.07	-111 55.31	1168.0	979450.17	979581.99	-0.29	-39.84	-0.48	0.00	-21.95	-62.56	-59.97
dodgrv:	P0379	33 12.10	-111 38.03	1466.9	979454.78	979582.03	-0.09	-50.03	-0.58	0.00	-0.27	-54.98	-56.75
dodgrv:	P0087	33 12.17	-111 54.20	1176.8	979451.59	979582.13	-0.29	-40.14	-0.48	0.00	-19.83	-60.74	-58.14
dodgrv:	P0400	33 12.19	-111 39.22	1453.1	979448.36	979582.16	-0.08	-49.56	-0.58	0.00	-7.11	-57.33	-54.14

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L LATITUDE deg min	C LONGITUDE deg min	A TIME min	I O N S ELE (in ft)	G R A V I T Y OBSERVED	T H E O R E T I C A L	T E R R A I N	C O R R E C T I O N S CURV	S P E C I A L	A N O M A L I E S FREE AIR	C O M P L E T E - B O U G U E R S P E C d1=2.67 d2=2.50	F I E L D S
dodgrv: P0085	33 12.20	-111 52.48		1192.9	979450.02	979582.17	-0.28	-40.69	-0.49	-19.94	-61.39	-58.75
dodgrv: P0086	33 12.20	-111 53.54		1193.1	979451.59	979582.17	-0.28	-40.35	-0.48	-19.29	-60.40	-57.79
dodgrv: P0083	33 12.20	-111 50.42		1211.9	979446.24	979582.17	-0.28	-41.34	-0.49	-21.93	-64.04	-61.35
dodgrv: P0084	33 12.20	-111 51.47		1201.1	979447.52	979582.17	-0.27	-40.97	-0.49	-21.66	-63.59	-60.73
dodgrv: P0200	33 12.23	-111 49.39		1224.1	979445.51	979582.21	-0.28	-41.75	-0.50	-21.56	-64.09	-61.38
dodgrv: P0202	33 12.26	-111 47.32		1254.9	979445.07	979582.25	-0.26	-42.80	-0.51	-19.14	-62.71	-59.93
dodgrv: P0201	33 12.26	-111 48.32		1236.9	979445.26	979582.25	-0.27	-42.19	-0.50	-20.65	-63.61	-60.87
dodgrv: P0095	33 12.26	-111 59.54		1134.8	979442.68	979582.25	-0.28	-38.71	-0.46	-12.82	-52.27	-49.76
dodgrv: P5895	33 12.26	-111 40.07		1452.1	979439.92	979582.25	-0.14	-49.53	-0.58	-5.74	-55.39	-52.79
dodgrv: P0367	33 12.26	-111 41.36		1443.9	979440.17	979582.25	-0.07	-49.25	-0.58	-6.26	-56.16	-52.98
dodgrv: P0366	33 12.26	-111 42.67		1397.0	979446.75	979582.25	-0.03	-47.65	-0.56	-4.10	-52.33	-49.26
dodgrv: P0094	33 12.26	-111 57.64		1148.0	979454.83	979582.25	-0.26	-39.15	-0.47	-19.44	-59.32	-56.78
dodgrv: P0363	33 12.29	-111 45.26		1293.0	979445.96	979582.30	-0.19	-44.10	-0.52	-14.71	-54.52	-50.67
dodgrv: P0396	33 12.29	-111 32.99		1499.0	979412.11	979582.30	-0.20	-51.13	-0.60	-29.18	-81.11	-77.80
dodgrv: P0385	33 12.32	-111 35.95		1463.9	979425.60	979582.34	-0.17	-49.93	-0.58	-19.03	-69.72	-66.49
dodgrv: P0395	33 12.32	-111 30.58		1547.9	979400.33	979582.34	-0.17	-52.79	-0.61	-36.41	-84.98	-86.57
dodgrv: P0514	33 12.34	-111 29.54		1569.9	979396.31	979582.36	-0.16	-53.54	-0.62	-38.38	-92.71	-89.25
dodgrv: P0017	33 12.35	-111 25.37		1661.1	979384.73	979582.38	-0.10	-56.65	-0.65	-41.40	-96.80	-95.15
dodgrv: P0516	33 12.35	-111 26.78		1630.9	979389.24	979582.38	-0.13	-55.63	-0.64	-39.73	-96.12	-92.53
dodgrv: P0515	33 12.35	-111 28.48		1594.2	979393.07	979582.38	-0.16	-54.57	-0.63	-39.36	-94.52	-91.00
dodgrv: P0092	33 12.35	-111 55.09		1171.9	979450.76	979582.38	-0.29	-39.97	-0.48	-21.38	-62.12	-59.53
dodgrv: P0016	33 12.59	-111 25.09		1669.9	979384.23	979582.71	-0.10	-56.96	-0.65	-41.40	-94.11	-95.43
dodgrv: P5894	33 12.71	-111 40.07		1422.9	979439.48	979582.88	-0.18	-48.53	-0.57	-9.55	-58.63	-55.69
dodgrv: P0015	33 12.82	-111 24.83		1681.1	979384.33	979583.02	-0.09	-57.34	-0.66	-40.57	-98.65	-94.96
dodgrv: P5906	33 12.89	-111 20.06		1819.9	979370.80	979583.13	0.05	-62.07	-0.70	-41.15	-103.87	-94.88
dodgrv: P0333	33 12.98	-111 54.55		1171.9	979452.88	979583.25	-0.29	-39.97	-0.48	-20.13	-60.87	-58.27
dodgrv: P0518	33 13.01	-111 24.98		1681.1	979385.41	979583.29	-0.09	-57.34	-0.66	-39.75	-97.63	-94.13
dodgrv: P0014	33 13.07	-111 24.53		1691.9	979384.73	979583.37	-0.08	-57.71	-0.66	-39.49	-97.94	-94.22
dodgrv: P0332	33 13.07	-111 53.54		1181.1	979451.95	979583.37	-0.29	-40.28	-0.48	-20.32	-61.57	-58.76
dodgrv: P0321	33 13.10	-111 51.47		1202.1	979444.44	979583.41	-0.29	-41.00	-0.49	-25.90	-67.68	-65.02
dodgrv: P0326	33 13.12	-111 49.40		1232.0	979442.78	979583.44	-0.28	-42.02	-0.50	-24.77	-67.57	-64.85
dodgrv: P0362	33 13.15	-111 45.28		1285.1	979445.47	979583.48	-0.22	-43.83	-0.52	-17.13	-61.70	-58.86
dodgrv: P0327	33 13.15	-111 47.32		1253.9	979443.02	979583.48	-0.27	-42.77	-0.51	-22.51	-66.05	-63.28
dodgrv: P0380	33 13.16	-111 40.07		1398.0	979438.70	979583.49	-0.19	-47.68	-0.56	-13.29	-61.72	-58.64
dodgrv: P0371	33 13.16	-111 43.70		1325.1	979445.43	979583.49	-0.20	-45.20	-0.53	-13.42	-59.35	-56.42
dodgrv: P0338	33 13.18	-111 59.27		1138.1	979446.37	979583.52	-0.28	-38.82	-0.47	-12.10	-51.66	-49.14
dodgrv: P5911	33 13.19	-111 21.29		1800.8	979373.79	979583.54	-0.01	-61.42	-0.70	-40.36	-102.49	-98.53
dodgrv: P0013	33 13.34	-111 24.25		1707.0	979385.27	979583.74	-0.07	-58.22	-0.67	-37.90	-96.66	-93.11
dodgrv: P0519	33 13.46	-111 26.69		1661.1	979368.65	979583.91	-0.12	-50.65	-0.65	-39.01	-96.44	-92.78
dodgrv: P0336	33 13.52	-111 56.90		1154.9	979459.36	979583.99	-0.28	-39.59	-0.47	-16.00	-56.14	-53.58

BOUGUER GRAVITY DATA

page 16

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION	L	U	C	A	T	I	O	N	S	ST	GRAVITY	BOUGUER CURV	SPECIAL	FREE	COMPLETE	SPEC
IDENTIFICATION	deg	min	deg	min	deg	min	deg	min	deg	min	deg	deg	deg	deg	deg	deg
proj	sta-id	lat	lon	lat	lon	lat	lon	lat	lon	lat	lon	lat	lon	lat	lon	lon
dodgrv:	P0012	33	13.58	-111	23.96	1719.2					979385.56	979584.08	-0.05	-58.64	-0.67	0.00
dodgrv:	P5893	33	13.60	-111	40.07	1382.9					979436.24	979584.10	-0.20	-47.17	-0.55	0.00
dodgrv:	P0401	33	13.61	-111	35.93	1443.9					979416.13	979584.12	-0.16	-49.25	-0.58	0.00
dodgrv:	P0378	33	13.61	-111	38.03	1412.1					979425.50	979584.12	-0.18	-48.16	-0.56	0.00
dodgrv:	P0397	33	13.64	-111	31.67	1526.9					979399.25	979584.16	-0.18	-52.08	-0.60	0.00
dodgrv:	P0520	33	13.79	-111	25.70	1690.9					979388.80	979584.37	-0.09	-57.07	-0.66	0.00
dodgrv:	P0405	33	13.79	-111	28.49	1612.9					979390.47	979584.37	-0.14	-55.01	-0.63	0.00
dodgrv:	P0011	33	13.81	-111	23.69	1732.0					979385.46	979584.39	-0.04	-59.07	-0.67	0.00
dodgrv:	P0331	33	13.94	-111	53.54	1184.1					979452.10	979584.57	-0.29	-40.38	-0.48	0.00
dodgrv:	P0322	33	13.97	-111	51.44	1201.1					979443.12	979584.61	-0.28	-40.97	-0.49	0.00
dodgrv:	P5907	33	14.00	-111	20.05	1848.1					979370.41	979584.66	0.07	-63.03	-0.71	0.00
dodgrv:	P0325	33	14.00	-111	49.40	1226.0					979438.46	979584.66	-0.29	-41.82	-0.50	0.00
dodgrv:	P0328	33	14.03	-111	47.33	1259.8					979437.92	979584.70	-0.27	-42.97	-0.51	0.00
dodgrv:	P0370	33	14.03	-111	43.19	1326.1					979438.51	979584.70	-0.23	-45.23	-0.53	0.00
dodgrv:	P0361	33	14.03	-111	45.28	1289.0					979439.10	979584.70	-0.26	-43.97	-0.52	0.00
dodgrv:	P0334	33	14.03	-111	55.13	1167.0					979458.58	979584.70	-0.29	-39.80	-0.48	0.00
dodgrv:	P5892	33	14.05	-111	40.10	1378.9					979431.93	979584.73	-0.22	-47.03	-0.55	0.00
dodgrv:	P0369	33	14.05	-111	41.63	1351.0					979436.00	979584.73	-0.21	-46.08	-0.54	0.00
dodgrv:	P0337	33	14.06	-111	58.99	1138.1					979467.11	979584.73	-0.26	-38.82	-0.47	0.00
dodgrv:	P0010	33	14.09	-111	23.41	1745.1					979385.71	979584.78	-0.02	-59.52	-0.68	0.00
dodgrv:	P0009	33	14.33	-111	23.11	1762.1					979385.71	979585.11	-0.02	-60.10	-0.68	0.00
dodgrv:	P0404	33	14.39	-111	33.76	1487.9					979406.66	979585.20	-0.19	-50.75	-0.59	0.00
dodgrv:	P0008	33	14.57	-111	22.81	1778.9					979385.27	979585.45	-0.01	-60.07	-0.69	0.00
dodgrv:	P5891	33	14.57	-111	40.09	1376.0					979426.34	979585.45	-0.23	-46.93	-0.55	0.00
dodgrv:	P0330	33	14.81	-111	53.54	1184.1					979452.34	979585.77	-0.29	-40.38	-0.48	0.00
dodgrv:	P0009	33	14.83	-111	23.11	1762.1					979385.71	979585.11	-0.02	-60.10	-0.68	0.00
dodgrv:	P0007	33	14.83	-111	22.52	1799.9					979384.58	979585.80	0.00	-61.39	-0.70	0.00
dodgrv:	P0323	33	14.84	-111	51.44	1206.0					979442.09	979585.81	-0.28	-41.13	-0.49	0.00
dodgrv:	P0335	33	14.87	-111	55.70	1164.0					979460.98	979585.86	-0.28	-39.70	-0.47	0.00
dodgrv:	P0324	33	14.87	-111	49.42	1229.0					979434.19	979585.86	-0.29	-41.92	-0.50	0.00
dodgrv:	P5908	33	14.90	-111	20.03	1869.1					979372.22	979585.90	0.10	-63.75	-0.72	0.00
dodgrv:	P0329	33	14.90	-111	47.33	1255.9					979431.83	979585.90	-0.27	-42.84	-0.51	0.00
dodgrv:	P0360	33	14.90	-111	45.28	1287.1					979430.31	979585.90	-0.27	-43.90	-0.52	0.00
dodgrv:	P0398	33	14.92	-111	30.68	1557.1					979395.52	979585.92	-0.16	-53.11	-0.62	0.00
dodgrv:	P5890	33	14.92	-111	40.10	1371.1					979422.71	979585.92	-0.23	-46.76	-0.55	0.00
dodgrv:	P0372	33	14.92	-111	43.19	1321.8					979430.02	979585.92	-0.25	-45.08	-0.53	0.00
dodgrv:	P0377	33	14.93	-111	39.08	1383.9					979420.15	979585.94	-0.22	-47.20	-0.55	0.00
dodgrv:	P0399	33	14.93	-111	34.96	1461.9					979409.16	979585.94	-0.17	-49.86	-0.58	0.00
dodgrv:	P0376	33	14.96	-111	41.09	1353.0					979425.16	979585.98	-0.23	-46.15	-0.54	0.00
dodgrv:	P0406	33	14.96	-111	28.58	1623.0					979393.31	979585.98	-0.12	-55.36	-0.64	0.00
dodgrv:	P0006	33	15.20	-111	22.19	1820.9					979383.74	979586.31	0.02	-62.10	-0.70	0.00

BOUGUER GRAVITY DATA

page 17

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION		L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		S P E C	
IDENTIFICATION		LATITUDE		E L E _ S T		T E R R A I N		F R E E		C O M P L E T E	
proj	sta-id	deg	min	deg	min	deg	min	A I R	d1=2.67	d2=2.50	F I E L D S
dodgrv:	P0539	33	15.32	-111	30.29	1577.1		979395.82	979586.48	-0.15	-53.79 -0.62
dodgrv:	P0542	33	15.35	-111	35.96	1440.9		979410.83	979586.52	-0.15	-49.15 -0.57
dodgrv:	P5896	33	15.35	-111	40.09	1371.1		979420.51	979586.52	-0.23	-46.76 -0.55
dodgrv:	P5909	33	15.50	-111	18.02	1980.0		979358.69	979586.73	0.21	-67.53 -0.75
dodgrv:	P0005	33	15.50	-111	21.89	1839.9		979381.93	979586.73	0.04	-62.75 -0.71
dodgrv:	P0537	33	15.50	-111	33.77	1480.0		979406.17	979586.73	-0.18	-50.48 -0.59
dodgrv:	P5585	33	15.68	-111	53.56	1187.0		979453.57	979586.98	-0.29	-40.49 -0.48
dodgrv:	P0678	33	15.68	-111	28.49	1630.9		979397.88	979586.98	-0.10	-55.63 -0.64
dodgrv:	PU004	33	15.70	-111	21.59	1855.0		979380.46	979587.00	0.06	-63.27 -0.71
dodgrv:	P5586	33	15.70	-111	55.73	1165.0		979461.81	979587.00	-0.28	-39.74 -0.48
dodgrv:	P0408	33	15.71	-111	51.47	1207.0		979443.36	979587.02	-0.28	-41.17 -0.49
dodgrv:	P0411	33	15.73	-111	49.31	1230.0		979431.44	979587.05	-0.28	-41.95 -0.50
dodgrv:	P0446	33	15.77	-111	47.33	1253.0		979427.61	979587.10	-0.28	-42.73 -0.51
dodgrv:	P0445	33	15.77	-111	45.26	1283.1		979422.71	979587.10	-0.27	-43.76 -0.52
dodgrv:	P5589	33	15.77	-111	56.89	1154.9		979466.36	979587.10	-0.27	-39.59 -0.47
dodgrv:	P0499	33	15.79	-111	39.10	1382.9		979416.96	979587.13	-0.22	-47.17 -0.55
dodgrv:	P0507	33	15.79	-111	43.19	1323.2		979421.82	979587.13	-0.26	-45.13 -0.53
dodgrv:	P5910	33	15.80	-111	16.04	2130.9		979352.81	979587.14	0.50	-72.68 -0.80
dodgrv:	P0538	33	15.80	-111	32.77	1507.9		979403.52	979587.14	-0.18	-51.43 -0.60
dodgrv:	P5897	33	15.80	-111	40.10	1372.0		979418.74	979587.14	-0.23	-46.80 -0.55
dodgrv:	P0510	33	15.85	-111	41.11	1356.0		979419.57	979587.21	-0.23	-46.25 -0.54
dodgrv:	P5567	33	15.92	-111	59.74	1128.0		979474.93	979587.30	-0.26	-38.47 -0.46
dodgrv:	P0508	33	16.00	-111	44.24	1305.1		979420.64	979587.41	-0.25	-44.51 -0.53
dodgrv:	P0679	33	16.01	-111	29.63	1601.0		979398.51	979587.43	-0.12	-54.61 -0.63
dodgrv:	P0677	33	16.15	-111	25.04	1747.0		979396.50	979587.63	-0.03	-59.59 -0.68
dodgrv:	PU002	33	16.19	-111	20.99	1903.9		979376.73	979587.68	0.09	-64.94 -0.73
dodgrv:	PU000	33	16.30	-111	20.20	1925.8		979373.93	979587.83	0.15	-65.69 -0.74
dodgrv:	P5588	33	16.30	-111	58.25	1139.1		979473.23	979587.83	-0.16	-38.85 -0.47
dodgrv:	PU001	33	16.40	-111	20.69	1923.9		979374.96	979587.97	0.11	-65.62 -0.74
dodgrv:	P0500	33	16.49	-111	39.86	1365.2		979416.42	979588.09	-0.23	-46.56 -0.55
dodgrv:	P5584	33	16.55	-111	53.57	1182.1		979453.57	979588.18	-0.29	-40.32 -0.48
dodgrv:	P0407	33	16.60	-111	50.45	1215.9		979438.02	979588.24	-0.27	-41.47 -0.49
dodgrv:	P0442	33	16.63	-111	48.40	1247.0		979428.84	979588.29	-0.29	-42.53 -0.51
dodgrv:	P5899	33	16.64	-111	34.97	1445.9		979410.60	979588.30	-0.12	-49.31 -0.58
dodgrv:	P0541	33	16.64	-111	36.50	1422.9		979412.74	979588.30	-0.19	-48.53 -0.57
dodgrv:	P0443	33	16.64	-111	46.31	1264.1		979421.87	979588.30	-0.26	-43.12 -0.51
dodgrv:	P0506	33	16.66	-111	43.19	1312.0		979419.17	979588.33	-0.26	-44.75 -0.53
dodgrv:	P0444	33	16.66	-111	45.26	1283.1		979419.22	979588.33	-0.25	-43.76 -0.52
dodgrv:	P0540	33	16.67	-111	34.04	1471.1		979408.52	979588.34	-0.15	-50.18 -0.59
dodgrv:	P0534	33	16.82	-111	30.35	1574.1		979404.21	979588.55	-0.12	-53.59 -0.62
dodgrv:	P0534	33	16.82	-111	30.35	1574.1		979404.21	979588.55	-0.12	-53.59 -0.62

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION		L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		S P E C	
IDENTIFICATION	sta-id	LATITUDE	LONGITUDE	ST	EL E (in ft)	THEORETICAL	BOUGUER	FREE	COMPLETE	BOUGUER	FIELDS
proj		deg min	deg min			ST	CURV	AIR	BOUGUER	BOUGUER	
dodgrv:	P5568	33 16.85	-111 59.72	1144.0		979476.55	979588.59	0.00	-4.43	-44.17	-41.64
dodgrv:	P5582	33 16.87	-111 55.79	1165.0		979464.61	979588.62	0.00	-14.42	-54.91	-52.33
dodgrv:	P0509	33 17.09	-111 44.24	1294.0		979418.24	979588.92	0.00	-48.96	-93.88	-91.02
dodgrv:	P0535	33 17.39	-111 32.51	1508.9		979408.48	979589.34	0.00	-38.92	-87.81	-84.81
dodgrv:	P5581	33 17.45	-111 55.67	1165.0		979465.27	979589.42	0.00	-14.56	-55.05	-52.47
dodgrv:	P5587	33 17.45	-111 57.74	1154.9		979474.27	979589.42	0.00	-6.51	-46.57	-44.02
dodgrv:	P5583	33 17.47	-111 53.57	1183.1		979453.23	979589.45	0.00	-24.93	-66.05	-63.43
dodgrv:	P0676	33 17.48	-111 23.50	1829.1		979392.92	979589.46	0.00	-24.50	-87.53	-83.51
dodgrv:	P0441	33 17.50	-111 47.35	1253.0		979423.10	979589.49	0.00	-48.53	-92.05	-89.28
dodgrv:	P0410	33 17.50	-111 49.43	1222.1		979431.64	979589.49	0.00	-42.89	-85.35	-82.65
dodgrv:	P0409	33 17.50	-111 51.50	1207.0		979443.95	979589.49	0.00	-32.00	-73.94	-71.27
dodgrv:	P0440	33 17.53	-111 45.29	1279.9		979418.24	979589.53	0.00	-50.90	-95.34	-92.51
dodgrv:	P0511	33 17.54	-111 40.78	1340.9		979417.80	979589.55	0.00	-45.62	-92.13	-89.17
dodgrv:	P0504	33 17.54	-111 43.22	1304.1		979419.37	979589.55	0.00	-47.50	-92.76	-89.88
dodgrv:	P0505	33 17.56	-111 42.17	1316.9		979418.88	979589.57	0.00	-46.81	-92.50	-89.59
dodgrv:	P0686	33 17.57	-111 26.33	1730.0		979404.11	979589.59	0.00	-22.75	-82.44	-78.64
dodgrv:	P0543	33 17.63	-111 33.77	1478.0		979411.27	979589.67	0.00	-39.37	-90.52	-87.26
dodgrv:	PV005	33 17.69	-111 33.18	1838.9		979392.23	979589.75	0.00	-24.55	-87.90	-83.86
dodgrv:	P0581	33 17.84	-111 39.14	1371.1		979417.21	979589.96	0.00	-43.78	-91.31	-88.29
dodgrv:	PV004	33 17.90	-111 22.85	1870.1		979390.37	979590.04	0.00	-23.77	-86.18	-84.08
dodgrv:	PV006	33 17.90	-111 23.62	1835.0		979393.31	979590.04	0.00	-24.13	-87.55	-83.33
dodgrv:	PV000	33 17.99	-111 21.20	1925.8		979384.48	979590.16	0.00	-24.54	-90.78	-86.56
dodgrv:	PV002	33 18.10	-111 22.10	1878.9		979389.63	979590.32	0.00	-23.95	-86.01	-84.49
dodgrv:	PV003	33 18.11	-111 22.52	1877.0		979388.75	979590.33	0.00	-25.03	-89.05	-85.54
dodgrv:	PV007	33 18.16	-111 23.96	1839.9		979395.13	979590.40	0.00	-22.21	-85.59	-81.55
dodgrv:	P0545	33 18.32	-111 36.59	1416.0		979418.88	979590.63	0.00	-38.54	-87.58	-84.45
dodgrv:	P5552	33 18.32	-111 55.67	1169.9		979464.89	979590.63	0.00	-15.68	-56.35	-53.76
dodgrv:	P5554	33 18.32	-111 57.74	1173.9		979473.09	979590.63	0.00	-7.11	-47.85	-45.26
dodgrv:	P5555	33 18.32	-111 58.79	1200.1		979475.65	979590.63	0.00	-2.08	-43.73	-41.08
dodgrv:	P5556	33 18.32	-111 59.81	1214.9		979478.58	979590.63	0.00	2.24	-39.88	-37.20
dodgrv:	P5580	33 18.32	-111 54.65	1180.1		979459.68	979590.63	0.00	-19.93	-60.96	-58.34
dodgrv:	P5553	33 18.32	-111 56.69	1165.0		979469.34	979590.63	0.00	-11.69	-52.17	-49.59
dodgrv:	P0536	33 18.37	-111 50.36	1212.9		979436.69	979590.69	0.00	-39.91	-82.03	-79.35
dodgrv:	P5878	33 18.37	-111 51.50	1204.1		979442.52	979590.69	0.00	-34.91	-76.74	-74.08
dodgrv:	P5879	33 18.37	-111 52.03	1202.1		979445.41	979590.69	0.00	-32.20	-73.98	-71.52
dodgrv:	P5579	33 18.37	-111 52.52	1193.9		979448.17	979590.69	0.00	-30.21	-71.71	-69.07
dodgrv:	PV008	33 18.38	-111 24.28	1836.0		979396.31	979590.70	0.00	-21.70	-84.94	-80.91
dodgrv:	P5606	33 18.38	-111 47.35	1247.0		979422.06	979590.70	0.00	-51.34	-94.06	-91.90
dodgrv:	P0438	33 18.38	-111 48.40	1236.9		979426.09	979590.70	0.00	-48.26	-91.23	-88.50
dodgrv:	PV015	33 18.40	-111 27.11	1722.1		979406.46	979590.73	0.00	-22.29	-81.69	-77.91

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION	L U C A T I O N S LATITUDE LONGITUDE deg min deg min	G R A V I T Y OBSERVED THEORETICAL	C O R R E C T I O N S		FREE AIR	A N O M A L I E S					
			TERRAIN BOUGUER CURV	SPECIAL		COMPLETE-BOUGUER	SPEC FIELDS				
dodgrv: P0492	33 18.40 -111 44.26	1287.1	979421.09	979590.73	-0.25	-43.90	-0.52	0.00	-48.57	-93.25	-90.40
dodgrv: P0439	33 18.40 -111 46.33	1261.2	979419.32	979590.73	-0.27	-43.01	-0.51	0.00	-52.78	-90.58	-93.79
dodgrv: P0544	33 18.43 -111 34.99	1454.1	979416.72	979590.77	-0.13	-49.59	-0.58	0.00	-37.28	-87.58	-84.38
dodgrv: P0494	33 18.43 -111 40.07	1348.1	979419.66	979590.77	-0.23	-45.98	-0.54	0.00	-44.30	-91.05	-88.08
dodgrv: P0493	33 18.43 -111 42.19	1313.0	979420.84	979590.77	-0.23	-44.78	-0.53	0.00	-46.42	-91.97	-89.07
dodgrv: P0114	33 18.44 -111 26.74	1738.8	979405.53	979590.79	0.02	-59.51	-0.68	0.00	-21.70	-81.66	-77.84
dodgrv: P0685	33 18.44 -111 29.51	1625.0	979409.90	979590.79	-0.05	-55.42	-0.64	0.00	-28.04	-84.15	-80.58
dodgrv: P0532	33 18.44 -111 30.65	1590.9	979410.44	979590.79	-0.09	-54.26	-0.63	0.00	-30.71	-85.69	-82.18
dodgrv: P0531	33 18.44 -111 32.15	1538.1	979413.53	979590.79	-0.11	-52.46	-0.61	0.00	-32.58	-85.76	-82.37
dodgrv: P010	33 18.44 -111 25.07	1800.8	979400.72	979590.79	0.06	-61.42	-0.70	0.00	-20.68	-82.74	-78.79
dodgrv: P011	33 18.44 -111 25.49	1787.1	979401.16	979590.79	0.05	-60.95	-0.69	0.00	-21.53	-83.12	-79.20
dodgrv: P012	33 18.44 -111 25.90	1767.1	979402.64	979590.79	0.01	-60.27	-0.69	0.00	-21.94	-82.65	-78.97
dodgrv: P013	33 18.44 -111 26.33	1756.9	979404.16	979590.79	0.03	-59.92	-0.68	0.00	-21.37	-81.94	-78.09
dodgrv: P009	33 18.46 -111 24.68	1824.1	979398.32	979590.81	0.07	-62.22	-0.70	0.00	-20.92	-83.77	-79.76
dodgrv: P0675	33 18.52 -111 24.50	1832.0	979397.97	979590.90	0.08	-62.48	-0.71	0.00	-20.61	-83.72	-79.70
dodgrv: P0680	33 18.89 -111 22.97	1905.8	979389.88	979591.41	0.16	-65.00	-0.73	0.00	-22.26	-87.84	-83.66
dodgrv: P0684	33 19.00 -111 26.62	1753.9	979404.45	979591.56	0.05	-59.82	-0.68	0.00	-22.13	-82.58	-78.74
dodgrv: P0496	33 19.15 -111 38.09	1388.1	979421.09	979591.77	-0.20	-47.34	-0.56	0.00	-40.10	-88.20	-85.14
dodgrv: P5884	33 19.19 -111 54.64	1179.1	979457.61	979591.83	-0.28	-40.22	-0.48	0.00	-23.30	-64.28	-61.67
dodgrv: P5885	33 19.19 -111 55.15	1176.8	979460.51	979591.83	-0.28	-40.14	-0.48	0.00	-20.62	-61.52	-58.91
dodgrv: P5551	33 19.19 -111 55.64	1178.1	979463.14	979591.83	-0.28	-40.18	-0.48	0.00	-17.86	-56.80	-56.20
dodgrv: P5886	33 19.19 -111 56.15	1171.9	979466.29	979591.83	-0.27	-39.97	-0.48	0.00	-15.30	-56.02	-53.43
dodgrv: P5887	33 19.19 -111 56.68	1174.9	979469.13	979591.83	-0.26	-40.07	-0.48	0.00	-12.18	-52.99	-50.39
dodgrv: P5888	33 19.19 -111 57.74	1200.1	979473.45	979591.83	-0.25	-40.93	-0.49	0.00	-5.48	-47.15	-44.50
dodgrv: P5883	33 19.21 -111 54.08	1183.1	979455.16	979591.85	-0.28	-40.35	-0.48	0.00	-25.40	-66.52	-63.90
dodgrv: P5882	33 19.22 -111 53.59	1187.0	979452.91	979591.87	-0.28	-40.49	-0.48	0.00	-27.30	-68.54	-65.92
dodgrv: P5881	33 19.22 -111 53.08	1192.9	979449.28	979591.87	-0.28	-40.69	-0.49	0.00	-30.37	-71.83	-69.19
dodgrv: P0437	33 19.24 -111 49.43	1222.1	979433.45	979591.89	-0.27	-41.68	-0.50	0.00	-43.48	-85.93	-83.23
dodgrv: P0436	33 19.24 -111 51.50	1204.1	979441.30	979591.89	-0.28	-41.07	-0.49	0.00	-37.34	-79.17	-76.51
dodgrv: P5889	33 19.24 -111 52.01	1202.1	979444.23	979591.89	-0.28	-41.00	-0.49	0.00	-34.58	-76.55	-73.69
dodgrv: P5880	33 19.25 -111 52.55	1199.1	979446.49	979591.91	-0.28	-40.90	-0.49	0.00	-32.62	-74.29	-71.63
dodgrv: P0433	33 19.25 -111 47.35	1249.0	979424.08	979591.91	-0.28	-42.60	-0.51	0.00	-50.34	-93.73	-90.97
dodgrv: P0582	33 19.27 -111 40.15	1342.8	979422.12	979591.94	-0.22	-45.80	-0.54	0.00	-43.50	-90.06	-87.10
dodgrv: P0432	33 19.28 -111 45.29	1268.0	979422.12	979591.95	-0.26	-43.25	-0.51	0.00	-50.55	-94.58	-91.77
dodgrv: P0491	33 19.28 -111 44.27	1280.8	979423.15	979591.95	-0.25	-43.69	-0.52	0.00	-48.32	-92.77	-89.94
dodgrv: P0546	33 19.30 -111 36.26	1438.0	979422.51	979591.98	-0.16	-49.05	-0.57	0.00	-34.21	-83.99	-80.82
dodgrv: P0533	33 19.42 -111 31.78	1561.0	979417.80	979592.14	-0.08	-53.24	-0.62	0.00	-27.51	-81.45	-78.02
dodgrv: P0530	33 19.51 -111 34.22	1488.8	979422.07	979592.27	-0.13	-50.78	-0.59	0.00	-50.15	-81.65	-78.37
dodgrv: P0490	33 19.72 -111 43.24	1293.0	979424.08	979592.55	-0.24	-44.10	-0.52	0.00	-46.86	-91.72	-88.86
dodgrv: P0681	33 19.75 -111 24.41	1861.9	979399.94	979592.60	0.18	-63.50	-0.72	0.00	-17.53	-81.57	-77.50

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION		L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S						
IDENTIFICATION	sta-id	LATITUDE	LONGITUDE	ELE	ST	OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FREE AIR	COMPLETE-BOUGUER	SPEC FIELDS		
proj		deg min	deg min	(in ft)										
dodgrv:	P5550	33 20.06	-111 55.66	1178.1		979463.23	979593.03	-0.27	-40.18	-0.48	0.00	-18.97	-54.90	-57.30
dodgrv:	P0422	33 20.09	-111 50.47	1211.9		979436.94	979593.07	-0.26	-41.34	-0.49	0.00	-42.13	-84.22	-81.54
dodgrv:	P0430	33 20.09	-111 48.38	1230.0		979431.73	979593.07	-0.27	-41.95	-0.50	0.00	-45.64	-86.36	-85.64
dodgrv:	P0431	33 20.12	-111 46.33	1251.0		979426.48	979593.11	-0.25	-42.67	-0.51	0.00	-48.95	-92.38	-89.61
dodgrv:	P0503	33 20.12	-111 39.07	1372.0		979422.36	979593.11	-0.20	-46.80	-0.55	0.00	-41.69	-89.24	-86.21
dodgrv:	P0488	33 20.12	-111 44.26	1273.9		979425.90	979593.11	-0.25	-43.45	-0.52	0.00	-47.38	-91.59	-88.78
dodgrv:	P0593	33 20.14	-111 26.38	1808.1		979401.75	979593.14	0.13	-61.67	-0.70	0.00	-21.32	-63.56	-79.59
dodgrv:	P0489	33 20.15	-111 42.20	1306.1		979424.47	979593.15	-0.21	-44.55	-0.53	0.00	-45.83	-91.11	-88.23
dodgrv:	P0525	33 20.35	-111 35.30	1478.0		979426.66	979593.43	-0.13	-50.41	-0.59	0.00	-27.72	-78.05	-75.60
dodgrv:	P0688	33 20.57	-111 28.19	1734.9		979404.30	979593.73	0.09	-59.17	-0.68	0.00	-26.25	-80.01	-82.20
dodgrv:	P5574	33 20.90	-111 59.81	1349.1		979465.60	979594.19	0.11	-46.01	-0.54	0.00	-1.69	-48.13	-45.18
dodgrv:	P0529	33 20.92	-111 30.20	1649.9		979413.19	979594.22	0.03	-56.27	-0.65	0.00	-25.83	-82.72	-79.10
dodgrv:	P5572	33 20.93	-111 57.76	1234.9		979470.39	979594.23	-0.23	-42.12	-0.50	0.00	-7.68	-50.53	-47.80
dodgrv:	P5573	33 20.93	-111 58.79	1279.9		979469.53	979594.23	-0.15	-43.65	-0.52	0.00	-4.31	-48.03	-45.81
dodgrv:	P5576	33 20.93	-111 54.65	1184.1		979459.02	979594.23	-0.27	-40.38	-0.48	0.00	-23.83	-64.97	-62.35
dodgrv:	P5575	33 20.93	-111 56.69	1195.9		979468.59	979594.23	-0.25	-40.79	-0.49	0.00	-13.15	-54.67	-52.03
dodgrv:	P5577	33 20.95	-111 53.60	1191.9		979452.29	979594.26	-0.27	-40.65	-0.49	0.00	-29.85	-71.26	-68.62
dodgrv:	P5549	33 20.95	-111 55.66	1181.1		979463.80	979594.26	-0.26	-40.28	-0.48	0.00	-19.36	-60.59	-57.77
dodgrv:	P5578	33 20.96	-111 52.55	1195.9		979447.60	979594.27	-0.28	-40.79	-0.49	0.00	-34.18	-75.74	-73.09
dodgrv:	P0429	33 20.96	-111 51.50	1203.1		979442.33	979594.27	-0.27	-41.03	-0.49	0.00	-38.78	-80.57	-77.91
dodgrv:	P0426	33 20.98	-111 49.45	1219.2		979434.83	979594.30	-0.27	-41.58	-0.50	0.00	-44.79	-87.14	-84.44
dodgrv:	P0427	33 20.99	-111 47.33	1233.9		979433.40	979594.31	-0.24	-42.09	-0.50	0.00	-44.85	-87.67	-84.95
dodgrv:	P0521	33 20.99	-111 36.55	1445.9		979426.48	979594.31	-0.14	-49.31	-0.58	0.00	-31.83	-61.66	-78.67
dodgrv:	P0495	33 20.99	-111 39.14	1377.9		979422.46	979594.31	-0.18	-47.00	-0.55	0.00	-42.24	-84.77	-80.93
dodgrv:	P0487	33 20.99	-111 43.25	1286.1		979427.86	979594.31	-0.23	-43.66	-0.52	0.00	-45.46	-90.09	-87.25
dodgrv:	P0426	33 20.99	-111 45.29	1258.9		979430.61	979594.31	-0.25	-42.94	-0.51	0.00	-45.29	-88.99	-86.20
dodgrv:	P0486	33 21.02	-111 41.20	1321.8		979424.37	979594.35	-0.20	-45.08	-0.53	0.00	-45.65	-91.47	-88.55
dodgrv:	P0682	33 21.10	-111 24.44	1935.0		979393.61	979594.47	0.35	-66.00	-0.74	0.00	-18.85	-85.24	-81.01
dodgrv:	P0592	33 21.19	-111 27.65	1787.1		979398.27	979594.59	0.16	-60.95	-0.69	0.00	-28.22	-84.71	-85.79
dodgrv:	P0689	33 21.56	-111 29.65	1688.0		979404.60	979595.10	0.09	-57.57	-0.66	0.00	-31.73	-84.87	-86.17
dodgrv:	P5571	33 21.74	-111 59.12	1390.1		979464.23	979595.35	-0.05	-47.41	-0.56	0.00	-0.36	-48.38	-45.32
dodgrv:	P5548	33 21.80	-111 55.66	1186.0		979465.93	979595.44	-0.25	-40.45	-0.49	0.00	-17.94	-54.13	-56.50
dodgrv:	P0683	33 21.83	-111 23.17	2038.1		979382.66	979595.48	0.39	-64.51	-0.77	0.00	-21.11	-90.81	-86.37
dodgrv:	P5547	33 21.83	-111 57.74	1248.0		979469.39	979595.48	-0.22	-42.57	-0.51	0.00	-8.64	-51.98	-49.22
dodgrv:	P0424	33 21.85	-111 48.38	1222.1		979435.71	979595.50	-0.25	-41.68	-0.50	0.00	-44.83	-87.26	-84.56
dodgrv:	P0423	33 21.85	-111 50.47	1209.0		979439.10	979595.50	-0.25	-41.24	-0.49	0.00	-42.66	-84.06	-81.98
dodgrv:	P0522	33 21.86	-111 37.07	1446.8		979423.59	979595.52	-0.13	-49.35	-0.58	0.00	-35.83	-85.99	-82.70
dodgrv:	P0591	33 21.86	-111 28.52	1744.1		979397.19	979595.52	0.10	-59.49	-0.64	0.00	-34.26	-94.25	-90.43
dodgrv:	P5570	33 21.86	-111 58.69	1337.9		979466.45	979595.52	-0.13	-45.63	-0.54	0.00	-3.21	-49.51	-46.57
dodgrv:	P0483	33 21.88	-111 44.30	1273.9		979433.30	979595.55	-0.23	-43.45	-0.52	0.00	-42.41	-86.61	-83.80

BOUGUER GRAVITY DATA

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standard gravity file created from dod gravity data
latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
Meter ID:
Date: 05/13/80

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STATION IDENTIFICATION	L LATITUDE	C LONGITUDE	A T I TIME	D N S E L E V E L (in ft)	G R A V I T Y O B S E R V E D	T E R R A I N B O U G U E R	C U R V E	S P E C I A L	F R E E A I R	A N O M A L I E S	S P E C I F I C F I E L D			
												proj	sta-id	deg
dodgrv: P0425	33	21.88	-111	46.34	1244.1	979436.79	979595.55	-0.23	-42.43	-0.50	0.00	-41.73	-84.90	-82.15
dodgrv: P0484	33	21.89	-111	42.25	1314.0	979428.99	979595.55	-0.21	-04.82	-0.53	0.00	-42.97	-86.52	-85.62
dodgrv: P0687	33	22.18	-111	25.90	1895.0	979388.65	979595.96	0.65	-64.63	-0.73	0.00	-29.07	-93.78	-89.66
dodgrv: P5529	33	22.67	-111	58.67	1211.9	979474.89	979596.64	-0.17	-41.54	-0.49	0.00	-7.75	-49.74	-47.07
dodgrv: P5530	33	22.69	-111	59.69	1211.9	979476.07	979596.66	-0.07	-41.54	-0.49	0.00	-6.59	-46.49	-45.82
dodgrv: P5528	33	22.70	-111	57.62	1205.0	979474.18	979596.68	-0.24	-41.10	-0.49	0.00	-9.15	-50.98	-43.31
dodgrv: P5522	33	22.70	-111	54.53	1187.0	979462.14	979596.68	-0.26	-40.49	-0.48	0.00	-22.88	-64.11	-61.49
dodgrv: P0651	33	22.73	-111	32.09	1630.9	979407.98	979596.72	0.92	-55.63	-0.64	0.00	-35.33	-91.58	-87.99
dodgrv: P0449	33	22.73	-111	49.34	1211.0	979439.24	979596.72	-0.23	-41.30	-0.49	0.00	-43.57	-85.59	-82.92
dodgrv: P0450	33	22.73	-111	51.40	1205.0	979445.82	979596.72	-0.24	-41.10	-0.49	0.00	-37.55	-79.38	-76.71
dodgrv: P0550	33	22.75	-111	41.02	1359.9	979427.61	979596.75	-0.18	-46.38	-0.55	0.00	-41.22	-86.33	-85.33
dodgrv: P0548	33	22.75	-111	43.13	1308.1	979433.16	979596.75	-0.21	-44.61	-0.53	0.00	-40.54	-85.89	-83.01
dodgrv: P0549	33	22.75	-111	44.33	1273.0	979435.66	979596.75	-0.21	-43.42	-0.51	0.00	-41.34	-85.49	-82.68
dodgrv: P0448	33	22.75	-111	45.17	1258.9	979436.84	979596.75	-0.22	-42.94	-0.51	0.00	-41.49	-85.16	-82.38
dodgrv: P0447	33	22.75	-111	47.39	1232.0	979440.57	979596.75	-0.21	-42.02	-0.50	0.00	-40.29	-83.02	-80.30
dodgrv: P1706	33	23.30	-111	27.28	1922.9	979371.33	979597.51	0.65	-65.58	-0.74	0.00	-45.31	-110.98	-106.80
dodgrv: P0590	33	23.30	-111	30.25	1698.2	979400.28	979597.51	0.18	-57.92	-0.66	0.00	-37.50	-95.90	-92.18
dodgrv: P5527	33	23.56	-111	56.57	1170.9	979475.27	979597.87	-0.23	-39.94	-0.48	0.00	-12.45	-53.10	-50.51
dodgrv: P5531	33	23.56	-111	59.69	1147.0	979480.38	979597.87	-0.19	-39.12	-0.47	0.00	-9.59	-49.37	-46.84
dodgrv: P5533	33	23.57	-111	57.59	1165.0	979476.74	979597.88	-0.23	-39.74	-0.48	0.00	-11.55	-51.99	-49.42
dodgrv: P5532	33	23.57	-111	58.67	1159.1	979477.82	979597.88	-0.19	-39.53	-0.47	0.00	-11.03	-51.23	-48.67
dodgrv: P5523	33	23.57	-111	54.50	1187.0	979466.26	979597.88	-0.25	-40.49	-0.48	0.00	-19.97	-61.19	-58.56
dodgrv: P0451	33	23.59	-111	52.43	1201.1	979454.99	979597.91	-0.27	-40.97	-0.49	0.00	-29.94	-71.66	-69.00
dodgrv: P0452	33	23.60	-111	50.35	1217.8	979444.49	979597.92	-0.24	-41.54	-0.49	0.00	-38.88	-81.15	-78.46
dodgrv: P0454	33	23.62	-111	46.22	1247.0	979438.70	979597.95	-0.21	-42.53	-0.51	0.00	-41.95	-85.19	-82.44
dodgrv: P0453	33	23.62	-111	48.29	1224.1	979441.21	979597.95	-0.23	-41.75	-0.50	0.00	-41.60	-84.07	-81.37
dodgrv: P1705	33	23.75	-111	28.58	1817.9	979378.15	979598.13	0.51	-62.00	-0.70	0.00	-48.99	-111.19	-107.23
dodgrv: P0547	33	24.07	-111	43.12	1321.8	979436.30	979598.58	-0.19	-45.08	-0.53	0.00	-37.94	-83.75	-80.83
dodgrv: P0653	33	24.38	-111	30.29	1762.1	979393.02	979599.01	0.25	-60.10	-0.68	0.00	-40.23	-100.77	-96.91
dodgrv: P5539	33	24.44	-111	58.66	1140.1	979478.63	979599.09	-0.21	-36.89	-0.47	0.00	-13.21	-52.77	-50.25
dodgrv: P5540	33	24.44	-111	59.68	1128.0	979479.48	979599.09	-0.23	-38.47	-0.46	0.00	-13.50	-52.66	-50.17
dodgrv: P5524	33	24.44	-111	54.52	1184.1	979468.40	979599.09	-0.25	-40.38	-0.48	0.00	-19.31	-60.43	-57.81
dodgrv: P5525	33	24.44	-111	55.52	1171.9	979472.23	979599.09	-0.24	-39.97	-0.48	0.00	-16.62	-57.31	-54.71
dodgrv: P5526	33	24.44	-111	56.54	1161.1	979475.31	979599.09	-0.24	-39.60	-0.47	0.00	-14.56	-54.67	-52.31
dodgrv: P5534	33	24.44	-111	57.61	1148.9	979477.54	979599.09	-0.21	-39.19	-0.47	0.00	-13.47	-53.34	-50.80
dodgrv: P0457	33	24.46	-111	49.34	1233.9	979443.71	979599.12	-0.24	-42.09	-0.50	0.00	-39.34	-82.16	-79.43
dodgrv: P0458	33	24.46	-111	51.35	1224.1	979451.17	979599.12	-0.25	-41.75	-0.50	0.00	-32.80	-75.30	-72.59
dodgrv: P5521	33	24.46	-111	53.47	1196.8	979463.99	979599.12	-0.26	-40.82	-0.49	0.00	-22.54	-64.11	-61.46
dodgrv: P0455	33	24.50	-111	45.17	1275.9	979438.85	979599.17	-0.21	-43.52	-0.52	0.00	-40.30	-84.34	-81.73
dodgrv: P0456	33	24.50	-111	47.26	1244.1	979440.47	979599.17	-0.21	-42.43	-0.50	0.00	-41.68	-84.62	-82.08

BOUGUER GRAVITY DATA

standard gravity file created from dod gravity data
 latitude ranges from 32.625 to 33.50 longitude ranges from -111.25 to -112.00
 Meter ID: Date: 05/13/80

STATION IDENTIFICATION proj sta-id	L O C A T I O N LATITUDE deg min	LONGITUDE deg min	ELE (in ft)	ST	G R A V I T Y OBSERVED THEORETICAL	C O R R E C T I O N S TERRAIN BOUGUER CURV. SPECIAL	A N O M A L I E S FREE AIR	COMPLETE-HUUGER d1=2.67 d2=2.50 FIELDS
dodgrv: P0652	33 24.71	-111 31.42	1763.1		979393.75	0.14	-59.87	-100.55
dodgrv: P1704	33 24.94	-111 29.30	1835.0		979599.46	0.56	-45.10	-107.84
dodgrv: P0555	33 24.94	-111 44.15	1311.0		979599.78	-0.20	-37.11	-82.56
dodgrv: P5519	33 25.30	-111 54.52	1173.9		979468.63	-0.22	-21.22	-61.96
dodgrv: P5536	33 25.30	-111 56.48	1162.1		979474.18	-0.21	-16.79	-57.11
dodgrv: P5535	33 25.30	-111 57.61	1147.0		979477.64	-0.21	-14.75	-54.55
dodgrv: P5538	33 25.30	-111 58.64	1138.1		979477.87	-0.22	-15.35	-54.86
dodgrv: P0461	33 25.33	-111 48.29	1244.1		979443.71	-0.24	-39.58	-82.76
dodgrv: P0459	33 25.33	-111 52.40	1211.0		979456.27	-0.26	-30.14	-72.19
dodgrv: P0460	33 25.34	-111 50.33	1244.1		979449.55	-0.23	-33.76	-76.93
dodgrv: P0008	33 25.34	-111 32.42	1764.1		979396.40	0.10	-38.00	-98.76
dodgrv: P0462	33 25.34	-111 46.22	1270.0		979440.22	-0.22	-40.65	-84.70
dodgrv: P5918	33 25.34	-111 47.24	1255.9		979441.78	-0.22	-40.42	-83.98
dodgrv: P0556	33 25.37	-111 42.05	1394.0		979436.49	-0.14	-32.76	-81.00
dodgrv: P0007	33 25.61	-111 32.05	1790.0		979394.05	0.14	-38.29	-94.89
dodgrv: P0560	33 25.75	-111 40.46	1476.0		979430.21	-0.08	-31.85	-82.86
dodgrv: P5520	33 25.75	-111 54.25	1175.9		979465.98	-0.22	-24.31	-65.11
dodgrv: P5087	33 25.79	-111 34.49	1684.1		979407.84	0.06	-34.71	-92.74
dodgrv: P0006	33 25.87	-111 31.69	1609.1		979392.82	0.18	-38.09	-100.31
dodgrv: P0568	33 26.00	-111 43.12	1374.0		979439.93	-0.15	-32.07	-74.64
dodgrv: P0649	33 26.03	-111 33.20	1757.9		979399.00	0.10	-36.94	-97.48
dodgrv: P1708	33 26.09	-111 28.85	2014.1		979370.99	1.16	-40.93	-104.69
dodgrv: P0005	33 26.09	-111 31.39	1839.9		979390.17	0.24	-38.14	-101.36
dodgrv: P5915	33 26.12	-111 41.00	1471.1		979431.44	-0.08	-31.60	-82.44
dodgrv: P5537	33 26.12	-111 56.51	1175.9		979472.38	-0.22	-18.42	-54.23
dodgrv: P0465	33 26.20	-111 49.33	1254.9		979444.35	-0.24	-39.13	-82.88
dodgrv: P0466	33 26.21	-111 51.32	1203.1		979454.36	-0.18	-34.01	-75.71
dodgrv: P5916	33 26.21	-111 46.21	1284.1		979441.19	-0.21	-39.56	-84.09
dodgrv: P0464	33 26.21	-111 47.24	1269.0		979442.04	-0.22	-40.13	-84.14
dodgrv: P0463	33 26.23	-111 45.16	1309.1		979442.73	-0.20	-35.70	-81.07
dodgrv: P0004	33 26.35	-111 31.03	1875.0		979388.06	0.28	-37.31	-101.70
dodgrv: P5514	33 26.39	-111 54.55	1175.9		979463.85	-0.23	-27.33	-60.14
dodgrv: P5518	33 26.39	-111 55.52	1166.0		979469.96	-0.19	-22.14	-62.58
dodgrv: P1707	33 26.54	-111 29.48	1939.0		979380.85	0.67	-38.76	-104.97
dodgrv: P0003	33 26.59	-111 30.68	1909.1		979385.76	0.34	-36.73	-102.24
dodgrv: P0646	33 26.60	-111 33.86	1752.0		979400.92	0.13	-36.36	-96.67
dodgrv: P0571	33 26.66	-111 44.14	1349.1		979444.79	-0.16	-30.47	-77.19
dodgrv: P0002	33 26.74	-111 30.34	1921.9		979384.19	0.41	-37.31	-103.19
dodgrv: P0647	33 26.83	-111 32.47	1846.1		979393.17	0.20	-35.58	-99.05
dodgrv: P0001	33 26.93	-111 29.98	1942.9		979381.54	0.46	-36.25	-104.80

BOUGUER GRAVITY DATA

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 Meter ID: Date: 05/13/80

STATION		L U C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		S P E C	
IDENTIFICATION		LATITUDE		ELE		TERRAIN BOUGUER CURV		FREE		COMPLETE-HUIGER	
proj	sta-id	deg	min	deg	min	(in ft)	ST	observed	theoretical	air	d1=2.67 d2=2.50
FIELDS											
dodgrv:	P0567	33	26.96	-111	40.34	1555.1		979430.46	979602.58	-0.03	-53.04 -0.61
dodgrv:	P5497	33	27.05	-111	57.70	1204.1		979471.19	979602.70	-0.19	-01.07 -0.49
dodgrv:	P5496	33	27.05	-111	58.67	1168.0		979473.66	979602.70	-0.24	-39.84 -0.48
dodgrv:	P5517	33	27.05	-111	55.52	1211.0		979467.50	979602.70	-0.17	-01.30 -0.49
dodgrv:	P5513	33	27.07	-111	54.52	1189.0		979461.81	979602.73	-0.22	-00.55 -0.48
dodgrv:	P0468	33	27.08	-111	48.25	1272.0		979442.48	979602.74	-0.22	-03.58 -0.51
dodgrv:	P0467	33	27.08	-111	50.33	1216.9		979447.54	979602.74	-0.15	-01.50 -0.49
dodgrv:	P5512	33	27.08	-111	53.47	1190.9		979460.01	979602.74	-0.23	-00.52 -0.48
dodgrv:	P0569	33	27.10	-111	41.78	1469.2		979435.17	979602.77	-0.07	-50.11 -0.58
dodgrv:	P0570	33	27.10	-111	43.10	1598.9		979442.19	979602.77	-0.13	-07.71 -0.56
dodgrv:	P0469	33	27.10	-111	46.19	1301.8		979441.70	979602.77	-0.20	-04.40 -0.53
dodgrv:	P5917	33	27.10	-111	47.21	1285.1		979440.60	979602.77	-0.20	-03.83 -0.52
dodgrv:	PW000	33	27.17	-111	29.65	1973.1		979379.03	979602.87	0.53	-67.50 -0.75
dodgrv:	P0583	33	27.22	-111	37.06	1785.1		979408.18	979602.94	0.10	-60.88 -0.69
dodgrv:	P0650	33	27.59	-111	35.00	1845.1		979399.94	979603.45	0.53	-62.93 -0.71
dodgrv:	P5863	33	27.65	-111	56.75	1290.0		979465.07	979603.53	0.06	-04.00 -0.52
dodgrv:	P0648	33	27.80	-111	31.85	2023.0		979381.93	979603.74	0.53	-69.00 -0.77
dodgrv:	P5498	33	27.92	-111	58.67	1198.2		979467.76	979603.91	-0.21	-00.87 -0.49
dodgrv:	P0476	33	27.95	-111	51.35	1219.2		979448.52	979603.95	-0.16	-01.58 -0.50
dodgrv:	P0477	33	27.95	-111	52.40	1217.8		979454.60	979603.95	-0.23	-01.54 -0.49
dodgrv:	P5515	33	27.95	-111	54.50	1221.1		979459.49	979603.95	-0.21	-01.65 -0.50
dodgrv:	P5516	33	27.95	-111	55.52	1231.0		979467.02	979603.95	-0.14	-01.98 -0.50
dodgrv:	P0563	33	27.97	-111	38.96	1751.0		979416.47	979603.98	0.17	-59.72 -0.68
dodgrv:	P0564	33	27.97	-111	41.00	1553.1		979431.34	979603.98	0.02	-52.97 -0.61
dodgrv:	P0474	33	27.98	-111	47.21	1255.9		979441.40	979603.99	-0.16	-02.84 -0.51
dodgrv:	P0470	33	28.00	-111	45.14	1336.9		979444.49	979604.02	-0.16	-05.60 -0.54
dodgrv:	P0471	33	28.00	-111	49.31	1229.0		979442.78	979604.02	-0.17	-01.92 -0.50
dodgrv:	P5862	33	28.03	-111	56.57	1293.0		979464.58	979604.06	-0.07	-04.10 -0.52
dodgrv:	P5875	33	28.37	-111	57.59	1276.9		979462.71	979604.53	-0.08	-03.55 -0.52
dodgrv:	P5864	33	28.37	-111	56.54	1282.1		979463.50	979604.53	-0.07	-03.73 -0.52
dodgrv:	P0572	33	28.42	-111	44.12	1369.1		979444.84	979604.60	-0.09	-06.70 -0.55
dodgrv:	P5865	33	28.58	-111	56.54	1278.9		979463.35	979604.82	-0.13	-03.62 -0.52
dodgrv:	P0472	33	28.76	-111	48.25	1246.1		979439.24	979605.07	-0.17	-02.50 -0.51
dodgrv:	P5505	33	28.79	-111	57.61	1255.9		979461.91	979605.11	-0.10	-02.84 -0.51
dodgrv:	P5506	33	28.81	-111	56.29	1261.2		979461.76	979605.14	-0.10	-03.01 -0.51
dodgrv:	P5866	33	28.81	-111	56.54	1269.0		979461.98	979605.14	-0.09	-03.28 -0.51
dodgrv:	P5499	33	28.81	-111	58.64	1211.0		979461.76	979605.14	-0.20	-01.50 -0.49
dodgrv:	P0473	33	28.82	-111	47.20	1255.9		979441.16	979605.16	-0.17	-02.84 -0.51
dodgrv:	P0478	33	28.82	-111	52.40	1236.9		979440.60	979605.16	-0.22	-02.19 -0.50
dodgrv:	P5507	33	28.82	-111	55.51	1234.9		979460.91	979605.16	-0.12	-02.12 -0.50

RUUGUER GRAVITY DATA

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 Meter ID: Date: 05/13/80

STATION IDENTIFICATION		L O C A T I O N		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S							
proj	sta-id	LATITUDE	LONGITUDE	OBSERVED	THEORETICAL	FERRAIN	BOUGUER	FREE AIR	COMPLETE						
		deg	min						deg						
	P5500	33	28.82	-111	59.69	1181.1	979462.09	979605.16	-0.21	-40.28	-0.48	0.00	-51.96	-72.94	-70.33
	P5511	33	28.82	-111	53.47	1224.1	979452.95	979605.16	-0.22	-41.75	-0.50	0.00	-37.06	-74.52	-70.82
	P5510	33	28.82	-111	54.50	1229.0	979455.94	979605.16	-0.20	-41.92	-0.50	0.00	-53.61	-76.23	-73.51
	P0482	33	28.84	-111	50.32	1244.1	979440.67	979605.18	-0.17	-42.43	-0.50	0.00	-47.48	-90.59	-87.85
	P0475	33	28.85	-111	46.16	1266.1	979444.69	979605.20	-0.15	-43.18	-0.51	0.00	-41.41	-85.26	-82.47
	P0566	33	28.96	-111	42.10	1438.0	979440.08	979605.34	-0.02	-49.05	-0.57	0.00	-50.01	-79.65	-76.49
	P1852	33	29.00	-111	49.30	1256.9	979439.10	979605.41	-0.13	-42.67	-0.51	0.00	-48.07	-91.63	-88.66
	P5873	33	29.00	-111	56.50	1254.9	979461.05	979605.41	-0.12	-42.80	-0.51	0.00	-26.31	-64.74	-60.98
	P5872	33	29.23	-111	56.50	1258.9	979459.82	979605.72	-0.09	-42.94	-0.51	0.00	-27.49	-71.02	-68.25
	P5874	33	29.24	-111	57.59	1247.0	979461.00	979605.73	-0.09	-42.53	-0.51	0.00	-27.43	-70.56	-67.82
	P0565	33	29.36	-111	40.97	1574.1	979430.95	979605.90	0.13	-53.69	-0.62	0.00	-26.88	-81.06	-77.61
	P5867	33	29.45	-111	56.54	1272.0	979458.84	979606.02	-0.16	-43.38	-0.51	0.00	-27.54	-71.59	-68.79
	P5504	33	29.69	-111	56.54	1280.8	979458.92	979606.36	-0.16	-43.69	-0.52	0.00	-26.96	-71.32	-68.49
	P1853	33	29.69	-111	48.20	1273.9	979435.61	979606.36	-0.16	-43.45	-0.52	0.00	-50.92	-95.04	-92.23
	P0480	33	29.69	-111	51.35	1255.9	979439.78	979606.36	-0.17	-42.84	-0.51	0.00	-48.44	-91.96	-84.19
	P0479	33	29.69	-111	52.40	1251.0	979444.59	979606.36	-0.21	-42.67	-0.51	0.00	-44.09	-87.48	-84.71
	P5509	33	29.69	-111	54.49	1235.9	979454.23	979606.36	-0.20	-42.15	-0.50	0.00	-35.87	-76.73	-76.00
	P5508	33	29.69	-111	55.49	1254.8	979457.55	979606.36	-0.17	-42.97	-0.51	0.00	-30.31	-73.96	-71.18
	P1824	33	29.69	-111	57.70	1274.9	979459.07	979606.36	-0.12	-43.48	-0.52	0.00	-27.36	-71.48	-68.67
	P1825	33	29.69	-111	59.69	1210.0	979459.26	979606.36	-0.19	-41.27	-0.49	0.00	-33.29	-75.24	-72.56
	P0481	33	29.72	-111	49.30	1272.0	979436.20	979606.40	-0.16	-43.38	-0.51	0.00	-50.55	-94.61	-91.80
	P5868	33	29.89	-111	56.54	1293.0	979459.87	979606.63	-0.17	-44.10	-0.52	0.00	-25.15	-64.94	-67.09
	P5502	33	29.95	-111	58.66	1266.1	979459.39	979606.72	-0.13	-43.18	-0.51	0.00	-28.24	-72.06	-64.27