

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Principal facts for 904 gravity
stations in and near the Chemehuevi Mountains and
Crossman Peak Wilderness Study Areas, San Bernardino
County, California and Mohave County, Arizona

by

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Open-File Report

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Introduction

The principal facts for the 904 gravity stations listed in this report are being used to prepare complete Bouguer gravity maps of the Crossman Peak Bureau of Land Management (BLM) Wilderness Study Area (5-7B) and the Chemehuevi Mountains BLM Wilderness Study Area (CDCA-310) in accordance with Public Law 94-579, October 21, 1976. The U.S. Geological Survey (USGS) collected 675 of these gravity stations in 1980 through 1983. Snyder and others (1982a, 1982b) compiled 135 of the remaining stations, and the National Oceanic and Atmospheric Administration (NOAA) supplied 94 stations from their gravity data repository (available from: NOAA, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO 80302).

The study area (figure 1) is located between 34°20' and 34°45' north latitude and 114°00' and 114°45' west longitude within the Needles 1° by 2° quadrangle, California and Arizona. The primary topographic features within the study area are the Mohave Mountains, the Colorado River Valley, the Buck Mountains and the Chemehuevi Mountains.

Discussion of Gravity Data

The USGS gravity stations, indicated by "BLM" in Appendix B were established with Lacoste and Romberg gravity meters G-17, G-159, and G-161. Calibration factors for these meters, in addition to those provided by the manufacturer, were applied to the readings. These factors were obtained from runs through a USGS calibration loop at Mount Hamilton east of San Jose, California (Barnes and others, 1969). These multiplicative calibration factors are 1.00025, 1.00028, and 1.00057 for G-17, G-159 and G-161 respectively.

The observed gravity values for USGS gravity stations with prefixes of "BLM C80", "BLM C81" and "BLM S81" in Appendix B are relative to the Department of Defense (DOD) base station ACIC 3204-1 (IGSN -71) at the Parker Municipal Airport in Parker, Arizona (Jablonski, 1974). The remaining USGS stations designated by "BLM C82", "BLM S82", and "BLM S83" are tied to an IGSN 71 base station at the Santa Fe Railroad Depot in Needles, California. Full descriptions of the base stations are in Appendix A.

The observed gravity value for the Needles Railroad Depot has been modified since a previous description of the base station (Gage and Simpson, 1982) by adding 0.19 mGals to the earlier value. The revised value is based on ties to PB1203 (R. Jachens and C. Roberts, written commun., 1981), located about 10 miles west of Needles at South Pass along Interstate 40.

Observed gravity values for all of the new USGS stations are estimated to have a precision better than 0.1 mGal relative to their respective base stations. Complete Bouguer anomaly values have been calculated at all stations using the IGSN 71 datum for observed gravity (Morelli, 1974) and the Geodetic Reference System 1967 reference spheroid (International Association of Geodesy, 1971) for the value of theoretical gravity at sea level.

Standard gravity corrections were made on all gravity data including: earth tide, instrument drift, free air, Bouguer, curvature and terrain corrections. Terrain corrections were calculated for all gravity stations to a distance of 166.7 km from each station using topographic data digitized on a

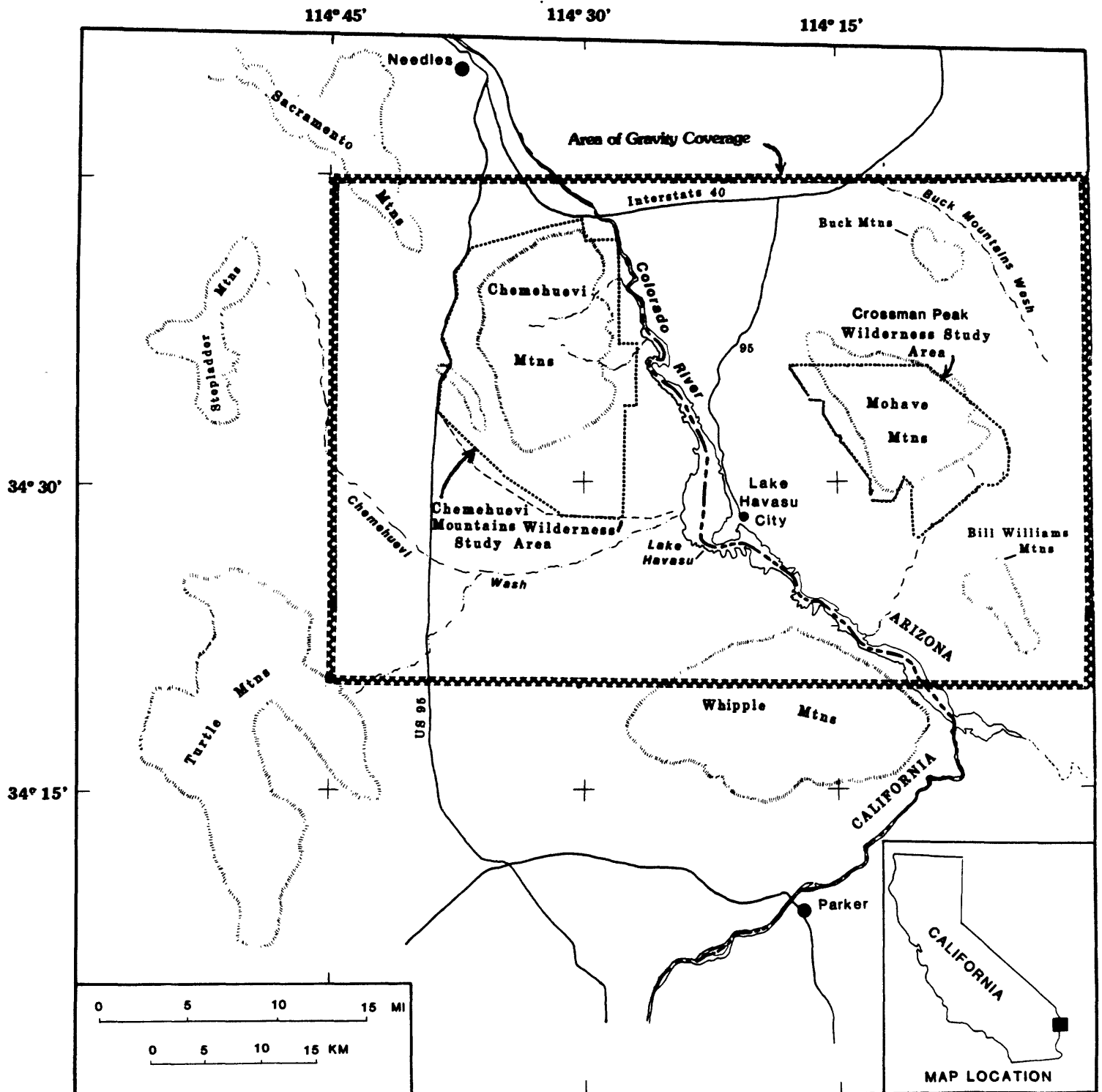


Figure 1. Location map showing the Crossman Peak and Chemehuevi Mountains Wilderness Study Areas and area of gravity data coverage.

15-second geographic grid (Plouff, 1977). Inner zone terrain corrections from the station to 0.59 km for all of the USGS stations (Appendix B) were obtained using a method described by Gage (1983) and a Hayford-Bowie (Hayford and Bowie, 1912) ring template. Terrain corrections for these stations are estimated to be accurate to within 10%. Terrain corrections and anomalies for the remaining 229 stations (Appendix C) were calculated using the U.S. Geological Survey terrain correction program. Computer-generated rather than manually obtained inner zone terrain corrections were used for the 229 stations in Appendix C using only the digital terrain data. However these stations are predominantly on valley floors, and the terrain corrections for these stations are also estimated to be accurate to within 10%.

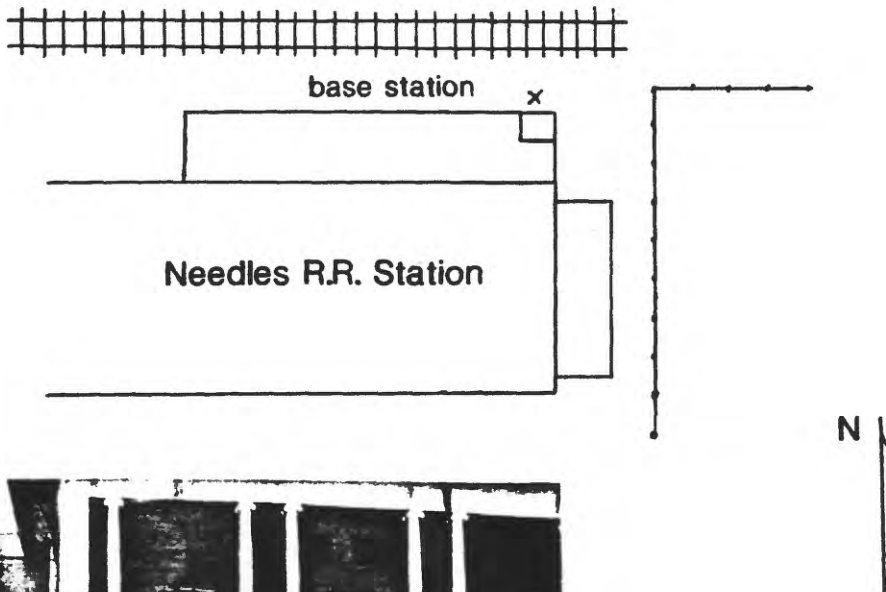

The largest source of error in the value of the Bouguer gravity anomaly results from the uncertainty in the elevations of the stations. Elevations for most of the USGS stations are surveyed from benchmarks using a Hewlett-Packard Electronic Total Station surveying instrument. Elevations for these stations, designated by "BLM S" in Appendix B, are accurate to within 3 ft (equivalent to 0.18 mGal error in the Bouguer anomaly). Elevations for stations located on benchmarks are accurate to 0.1 feet. Benchmark stations are also designated by "BLM S". Elevations for USGS stations prefixed by "BLM C" were obtained by interpolating between contours on topographic maps, by using spot elevations on USGS topographic maps, and by using stereo pairs of aerial photos in a stereoptical device (Kern plotter) designed to give elevations from properly registered aerial photographs. Elevations for these stations are judged to be accurate to within 30 feet (equivalent to 1.8 mGal error in the Bouguer anomaly). Elevations and location accuracies for the remaining stations are unknown (prefixed by NOAA and CAL in Appendix C). The combined effect of errors in elevation and in terrain correction could result in a maximum error of 1 mGal in the Bouguer anomaly value for stations located on benchmarks or with surveyed elevations and 3 mGal for all other stations. However, most unsurveyed stations, based on comparisons to nearby surveyed stations, are estimated to have maximum errors in Bouguer anomaly values of about 2 mGal. These stations are designated by "NOAA", "CAL", and "BLM C" in the Appendix.

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GRAVITY BASE STATION # Parker Airport	
NAME Parker	STATE Arizona
LATITUDE 34° 09.23'N	LONGITUDE 114° 16.17'W
ELEVATION 394 ft	
OBSERVED GRAVITY 979,583.42 mGal (IGSN71)	
LOCATION DESCRIPTION: Station is located in Parker Municipal Airport terminal building, on floor, 3 ft from southeast wall and 3 ft southwest of door frame. This is Department of Defense (DOD) base station ACIC 3204-1, reference source 03035 (Jablonski, 1974).	

Base station description for the Parker Municipal Airport.

GRAVITY BASE STATION #		Needles R.R. Station
NAME Needles		STATE California
LATITUDE 34° 50.44'N		LONGITUDE 114° 36.25'W
ELEVATION 484.4 ft		
OBSERVED GRAVITY 979,608.29±.02 mGal (IGSN 71)*		
LOCATION DESCRIPTION: <p>Baseplate is on brick sidewalk 1 ft north of northeast corner of building 2 ft below USC&GS Q-6 benchmark, which is located at the top of the base of the northeast column of the Santa Fe Railroad Depot. Instrument is positioned facing the building and 1 ft from the base of the building.</p> <p>*This value supercedes a value of 979,608.10 mGal used in Gage and Simpson (1982). The new value is based on ties to PB1203 (R. Jachens, written commun. 1981), which is part of the Southern California precision gravity network, and is located about 10 miles west of Needles at South Pass along west bound Interstate 40.</p>		
		
		

Base station description for the Needles R.R. Station

Appendix B

Column headings for principal facts listed in Appendix B.

Station Identification	Stations prefixed with BLM are new gravity stations obtained in 1980 through 1983 by the USGS.
Latitude	North latitude in degrees and minutes.
Longitude	West longitude in degrees and minutes.
Ele	Elevation in feet (all elevations rounded to nearest foot).
St	State: AZ = Arizona, CA = California.
Observed Gravity	Measured gravity value in mGal. New BLM stations have values tied to the IGSN71 base stations at Parker, Arizona, and Needles, California (Appendix A).
Theoretical Gravity	Value at sea level in mGal calculated using the Geodetic Reference System 1967 formula (International Association of Geodesy, 1971).
Terrain Correction	Terrain corrections in mGal have been calculated to a distance of 166.7 km from a station using a reduction density of 2.67 g/cm^3 .
Bouguer Correction	Bouguer correction in mGal to sea level using a density of 2.67 g/cm^3 .
Curv Correction	Adjustment of Bouguer correction for curvature of the earth (Lambert, 1930). Correction calculated to a distance of 166.7 km from a station using a 2.67 g/cm^3 assumed density.
Special Correction	Not used.
Free Air Anomaly	Free air gravity anomaly in mGal.
Complete Bouguer Anomaly	Bouguer gravity anomaly in mGal using densities of 2.67 g/cm^3 and 2.50 g/cm^3 .

Crossman Peak - Chemehuevi Mountain Wilderness Study

station identification proj sta-id	latitude deg	longitude deg	alti- tude min	ele- vation (in ft)	st observed	gravity theoretical	terrain bouguer	curv	special	free air	anomalies complete-bouguer d1=2.67 d2=2.50
BLM C81 GW9	34 17.14	-114 22.33	2754	CA	979445.53	979672.51	5.96	-93.93	0.00	32.04	-56.91
BLM C81 GW30	34 17.20	-114 24.28	2100	CA	979485.81	979672.59	4.20	-71.62	0.00	10.74	-57.48
BLM C81 GW29	34 17.27	-114 23.42	2220	CA	979430.31	979672.70	3.36	-75.72	0.00	16.43	-56.76
BLM C81 GW96	34 17.27	-114 28.60	1700	CA	979515.48	979672.70	0.74	-57.98	0.00	2.69	-55.21
BLM C81 GW51	34 17.33	-114 19.42	1950	CA	979497.35	979672.77	2.50	-63.10	0.00	-1.42	-62.73
BLM C81 GW95	34 17.35	-114 28.35	1750	CA	979510.32	979672.80	0.85	-59.69	0.00	2.12	-57.40
BLM C81 GW91	34 17.38	-114 26.74	2020	CA	979496.33	979672.84	2.65	-68.90	0.00	13.48	-53.53
BLM C81 GW39	34 17.42	-114 21.49	2245	CA	979477.99	979672.90	3.37	-76.57	0.00	16.25	-57.79
BLM C81 GW03	34 17.44	-114 10.27	738	CA	979561.50	979672.93	0.47	-25.17	0.00	-42.01	-67.02
BLM C81 W22	34 17.51	-114 16.58	1526	CA	979517.95	979673.03	1.06	-52.05	0.00	-11.54	-63.13
BLM C81 GW92	34 17.53	-114 26.48	2070	CA	979489.77	979673.05	4.41	-70.60	0.00	11.42	-55.56
BLM C81 GW03	34 17.54	-114 25.32	3408	CA	979402.57	979673.07	12.53	-116.24	0.00	50.01	-54.83
BLM C81 GW31	34 17.55	-114 24.22	2230	CA	979480.66	979673.09	4.05	-76.06	0.00	17.32	-55.52
BLM C81 GW52	34 17.62	-114 18.55	1740	CA	979503.34	979673.18	2.01	-59.35	0.00	-6.18	-64.19
BLM C81 GW38	34 17.74	-114 21.04	2900	CA	979491.54	979673.35	4.71	-68.21	0.00	6.30	-57.96
BLM S81 ML25	34 17.90	-114 8.21	448	CA	979579.91	979673.58	0.56	-15.28	0.00	-51.52	-66.43
BLM C81 W21	34 17.98	-114 15.20	1213	CA	979534.72	979673.69	0.84	-41.37	0.00	-24.87	-65.90
BLM C81 GW32	34 18.02	-114 24.04	2480	CA	979464.28	979673.74	4.78	-84.59	0.00	23.79	-56.92
BLM C81 B102	34 18.07	-114 25.49	3807	CA	979375.91	979673.81	17.71	-129.85	0.00	60.13	-53.23
BLM C81 G40	34 18.17	-114 17.24	2940	CA	979412.32	979673.95	15.35	-100.27	0.00	14.88	-71.08
BLM C81 GW37	34 18.22	-114 20.89	2040	CA	979491.34	979674.02	2.64	-69.58	0.00	9.20	-58.52
BLM C81 GW20	34 18.25	-114 13.45	1570	CA	979518.24	979674.06	1.48	-53.55	0.00	-8.15	-60.84
BLM C81 GW53	34 18.26	-114 18.90	1580	CA	979512.53	979674.08	4.85	-53.89	0.00	-12.93	-62.60
BLM S81 ML24	34 18.28	-114 8.54	449	CA	979578.87	979674.11	0.90	-15.31	0.00	-53.01	-67.61
BLM S81 ML23	34 18.32	-114 9.27	449	CA	979577.76	979674.16	2.45	-15.31	0.00	-54.17	-67.23
BLM C81 GW01	34 18.35	-114 11.48	896	CA	979552.83	979674.20	1.33	-30.56	0.00	-37.10	-66.70
BLM C81 GW36	34 18.53	-114 21.08	2100	CA	979417.86	979674.46	2.75	-71.62	0.00	12.87	-56.79
BLM C81 GW02	34 18.67	-114 12.07	998	CA	979547.85	979674.66	0.85	-34.04	0.00	-32.93	-66.53
BLM C81 G39	34 18.69	-114 18.58	2650	CA	979443.68	979674.68	8.05	-90.38	0.00	18.24	-65.05
BLM C81 GW86	34 18.70	-114 27.98	1900	CA	979504.25	979674.70	1.20	-64.80	0.00	8.26	-56.07
BLM S81 ML22	34 18.75	-114 9.08	450	CA	979578.29	979674.77	1.19	-15.35	0.00	-54.15	-68.50
BLM C81 G41	34 18.78	-114 17.13	2915	CA	979417.86	979674.81	13.54	-99.42	0.00	17.21	-69.70
BLM C81 G50	34 18.78	-114 22.42	3185	CA	979423.20	979674.81	6.53	-108.63	0.00	47.94	-55.25
BLM S81 ML26	34 18.80	-114 8.45	448	CA	979575.15	979674.84	0.55	-15.28	0.00	-57.55	-72.47
BLM C81 GW98	34 18.86	-114 27.77	1910	CA	979504.48	979674.92	1.09	-65.14	0.00	9.21	-55.57
BLM C81 W19	34 19.02	-114 30.56	1721	CA	979511.52	979675.01	0.63	-58.70	0.00	-1.61	-60.30
BLM C81 GW35	34 18.94	-114 22.52	2800	CA	979448.28	979675.03	4.44	-95.50	0.00	36.59	-55.46
BLM C81 GW87	34 18.94	-114 27.55	1955	CA	979502.03	979675.03	1.09	-66.68	0.00	10.88	-55.46
BLM C81 W06	34 18.98	-114 24.02	3645	CA	979391.77	979675.09	8.97	-124.32	0.00	59.48	-57.06
BLM C81 GW79	34 19.03	-114 26.59	2085	CA	979494.57	979675.16	2.07	-71.11	0.00	15.52	-54.31
BLM C81 GW79	34 19.03	-114 26.59	2085	CA	979494.57	979675.16	2.07	-71.11	0.00	15.52	-54.31

Crossman Peak - Chomohuevi Mountain Wilderness Study

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	latitude	longitude	ele	observed	theoretical	terrain	bouguer	curv	special	free	complete-bouguer						
proj	sta-id	deg	min	deg	min	deg	min	deg	min	d1=2.67	d2=2.50						
BLM C81	GW54	34	19.07	-114	19.85	1560	CA	979521.32	979675.22	2.58	-53.21	-0.62	0.00	-7.16	-58.40	-55.14	
	GW55	34	19.10	-114	28.37	1335	CA	979508.62	979675.26	0.97	-62.59	-0.71	0.00	5.96	-56.37	-52.40	
	GW33	34	19.15	-114	21.94	2600	CA	979459.15	979675.33	3.75	-88.68	-0.94	0.00	28.36	-57.51	-52.04	
	B101	34	19.15	-114	26.20	2500	CA	979468.62	979675.33	4.76	-65.27	-0.91	0.00	28.42	-52.99	-47.81	
BLM C81	G42	34	19.16	-114	15.84	2222	CA	979467.78	979675.34	7.44	-75.79	-0.83	0.00	1.43	-67.75	-63.34	
BLM C81	GW04	34	19.20	-114	13.42	1019	CA	979546.45	979675.40	1.45	-34.76	-0.42	0.00	-33.09	-66.82	-64.67	
	BL7	34	19.21	-114	13.41	1019	CA	979546.58	979675.41	1.47	-34.76	-0.42	0.00	-32.98	-66.69	-64.54	
	GW34	34	19.22	-114	22.18	2580	CA	979455.03	979675.43	4.13	-91.41	-0.96	0.00	31.67	-56.57	-50.95	
	GW05	34	19.24	-114	13.93	1120	CA	979541.75	979675.45	0.94	-38.20	-0.46	0.00	-28.35	-66.07	-63.67	
BLM S81	HL21	34	19.27	-114	9.83	448	CA	979577.33	979675.49	1.51	-15.28	-0.19	0.00	-56.02	-69.99	-69.10	
BLM C81	B97	34	19.50	-114	28.07	1841	CA	979509.82	979675.82	0.78	-62.79	-0.71	0.00	7.16	-55.56	-51.57	
	S81	HL27	34	19.55	-114	8.78	449	CA	979574.60	979675.89	0.67	-15.31	-0.19	0.00	-59.05	-73.89	-72.94
	BL6	34	19.57	-114	13.43	935	CA	979551.18	979675.91	1.34	-31.89	-0.39	0.00	-36.79	-67.73	-65.76	
	C81	W05	34	19.61	-114	24.64	2910	CA	979445.26	979675.98	5.33	-90.25	-1.02	0.00	42.97	-51.97	-45.92
BLM C81	G38	34	19.64	-114	19.26	2716	CA	979440.73	979676.02	11.63	-92.63	-0.97	0.00	20.16	-61.81	-56.59	
BLM C81	GW83	34	19.69	-114	28.80	1755	CA	979518.37	979676.09	1.69	-59.86	-0.68	0.00	7.35	-51.50	-47.75	
	GW55	34	19.78	-114	17.27	1040	CA	979546.63	979676.21	4.66	-35.47	-0.43	0.00	-31.75	-62.99	-61.00	
	C81	B99	34	19.78	-114	29.92	1983	CA	979495.48	979676.21	1.96	-67.63	-0.76	0.00	5.79	-60.64	-56.41
	S81	HL20	34	19.80	-114	10.56	448	CA	979578.13	979676.24	1.43	-15.28	-0.19	0.00	-55.96	-70.01	-69.11
BLM C81	GW78	34	19.82	-114	26.57	1865	CA	979516.78	979676.27	1.61	-63.61	-0.72	0.00	15.93	-46.79	-42.79	
BLM C81	GW77	34	19.85	-114	26.29	1910	CA	979514.33	979676.31	2.11	-65.14	-0.73	0.00	17.67	-46.10	-42.04	
	C81	BL5	34	19.90	-114	13.23	835	CA	979556.50	979676.38	3.55	-28.48	-0.35	0.00	-41.34	-66.62	-65.01
	S82	R06	34	20.00	-114	25.73	2312	CA	979483.49	979676.52	4.83	-78.85	-0.86	0.00	24.43	-50.46	-45.69
	C81	GW06	34	20.03	-114	14.78	1200	CA	979536.91	979676.56	1.07	-40.93	-0.49	0.00	-26.77	-67.12	-64.55
BLM S81	HL28	34	20.05	-114	9.65	448	CA	979574.64	979676.59	0.69	-15.28	-0.19	0.00	-59.81	-74.59	-73.65	
BLM C81	B98	34	20.08	-114	29.34	2201	CA	979483.68	979676.63	4.17	-75.07	-0.82	0.00	14.06	-57.66	-53.09	
	S82	R05	34	20.10	-114	25.80	2156	CA	979493.84	979676.66	4.20	-73.53	-0.81	0.00	19.97	-50.18	-45.71
	C81	BL4	34	20.11	-114	12.87	760	CA	979561.89	979676.67	2.21	-25.92	-0.32	0.00	-43.30	-67.33	-65.80
	C81	B96	34	20.11	-114	27.38	1731	CA	979519.21	979676.67	0.78	-59.04	-0.67	0.00	5.35	-53.58	-49.83
BLM S82	R04	34	20.20	-114	25.85	1987	CA	979512.53	979676.80	2.46	-64.36	-0.73	0.00	13.22	-49.41	-45.42	
BLM C81	G51	34	20.21	-114	21.14	2621	CA	979458.82	979676.81	6.29	-89.39	-0.94	0.00	28.52	-55.53	-50.18	
	C81	S82	34	20.24	-114	12.42	660	CA	979566.67	979676.86	2.64	-22.51	-0.28	0.00	-48.10	-68.25	-66.97
	C81	GW08	34	20.29	-114	15.23	1312	CA	979530.21	979676.93	1.09	-44.75	-0.53	0.00	-23.31	-67.49	-64.68
	S82	R03	34	20.29	-114	25.87	1782	CA	979519.91	979676.93	2.19	-60.78	-0.69	0.00	10.60	-48.68	-44.91
BLM C81	GW81	34	20.30	-114	28.35	1635	CA	979526.31	979676.94	0.80	-55.77	-0.64	0.00	3.16	-52.45	-48.91	
BLM S81	HL19	34	20.44	-114	10.97	448	CA	979577.92	979677.14	1.10	-15.28	-0.19	0.00	-57.07	-71.45	-70.53	
	C81	BL2	34	20.44	-114	12.10	535	CA	979572.19	979677.14	3.04	-19.95	-0.25	0.00	-49.92	-67.08	-65.99
	C81	GW59	34	20.45	-114	22.52	1960	CA	979499.86	979677.15	6.42	-66.85	-0.75	0.00	7.06	-54.12	-50.22
	C81	W18	34	20.45	-114	30.94	1537	CA	979519.23	979677.15	0.30	-52.42	-0.61	0.00	-13.35	-66.08	-62.72
BLM C81	B39	34	20.46	-114	20.05	2302	CA	979478.46	979677.16	3.18	-78.51	-0.85	0.00	17.81	-58.38	-53.53	

Crossman Peak - Chemehuevi Mountain Wilderness Study

station identification		l o c a t i o n		ele (in ft)	s t	g r a v i t y		c o r r e c t i o n s		free air	a n o m a l i e s complete-bouguer d1=2.67 d2=2.50			
proj	sta-id	latitude deg min	longitude deg min			observed	theoretical	terrain	bouguer					
BLM C81	GW74	34 20.51	-114 26.29	1670	CA	979528.57	979677.23	1.29	-56.96	-0.65	0.00	8.42	-47.91	-44.32
BLM S82	R02	34 20.54	-114 26.01	1675	CA	979529.64	979677.28	1.45	-57.13	-0.66	0.00	9.91	-46.42	-42.84
BLM C81	B05	34 20.54	-114 29.19	2168	CA	979486.44	979677.28	4.97	-73.94	-0.81	0.00	13.07	-56.72	-52.27
BLM C81	GW11	34 20.57	-114 17.05	780	CA	979561.66	979677.32	5.49	-26.60	-0.33	0.00	-42.29	-63.73	-62.36
BLM S81	HL29	34 20.68	-114 9.95	449	CA	979577.00	979677.48	0.85	-15.31	-0.19	0.00	-58.24	-72.90	-71.96
BLM C81	GW75	34 20.70	-114 25.57	1630	CA	979531.05	979677.50	1.74	-55.59	-0.64	0.00	6.86	-47.63	-44.16
BLM S82	R07	34 20.72	-114 26.21	1613	CA	979532.60	979677.53	1.14	-55.01	-0.63	0.00	6.79	-47.72	-44.25
BLM C81	GW57	34 20.75	-114 20.70	1640	CA	979517.96	979677.57	4.43	-55.94	-0.64	0.00	-5.35	-57.50	-54.18
BLM S82	R01	34 20.80	-114 26.18	1729	CA	979524.78	979677.64	1.77	-58.97	-0.67	0.00	9.76	-48.11	-44.42
BLM C81	B1	34 20.88	-114 12.00	510	CA	979576.76	979677.76	1.27	-17.39	-0.22	0.00	-53.02	-69.37	-68.33
BLM C81	GW58	34 20.90	-114 21.17	1700	CA	979515.50	979677.78	4.87	-57.98	-0.66	0.00	-2.38	-56.16	-52.73
BLM C81	GW07	34 20.92	-114 14.87	970	CA	979549.57	979677.81	0.83	-33.08	-0.40	0.00	-37.00	-69.65	-67.57
BLM C81	W01	34 20.92	-114 18.88	1985	CA	979495.87	979677.81	3.20	-67.70	-0.76	0.00	4.76	-60.50	-56.34
BLM C81	GW10	34 20.95	-114 16.97	750	CA	979567.68	979677.85	2.38	-25.58	-0.32	0.00	-39.62	-63.14	-61.64
BLM C81	GW10	34 20.95	-114 16.97	750	CA	979567.68	979677.85	2.38	-25.58	-0.32	0.00	-39.62	-63.14	-61.64
BLM C81	B93	34 20.95	-114 24.27	1939	CA	979509.43	979677.95	2.56	-66.13	-0.74	0.00	13.95	-50.36	-46.27
BLM C81	GW60	34 20.98	-114 24.02	1560	CA	979531.22	979677.90	3.48	-53.21	-0.62	0.00	0.06	-50.29	-47.08
BLM S82	R08	34 20.99	-114 26.36	1540	CA	979537.06	979677.91	0.98	-52.52	-0.61	0.00	4.01	-48.15	-44.83
BLM S81	HL30	34 21.12	-114 10.38	449	CA	979576.74	979675.09	0.75	-15.31	-0.19	0.00	-59.11	-73.87	-72.93
BLM S81	HL18	34 21.12	-114 11.17	448	CA	979575.75	979678.09	0.71	-15.28	-0.19	0.00	-60.20	-74.96	-74.02
BLM C81	B94	34 21.14	-114 28.26	2065	CA	979495.00	979678.12	5.45	-70.43	-0.78	0.00	11.11	-54.66	-50.47
BLM C81	B88	34 21.16	-114 21.42	2531	CA	979463.64	979678.15	8.70	-86.32	-0.92	0.00	23.54	-55.00	-50.00
BLM C81	B100	34 21.17	-114 29.92	1492	CA	979529.78	979678.16	0.49	-50.89	-0.59	0.00	-8.04	-59.03	-55.79
BLM C31	GW73	34 21.19	-114 26.74	1510	CA	979537.86	979678.19	0.74	-51.50	-0.60	0.00	1.70	-49.66	-46.39
BLM S82	R09	34 21.23	-114 26.45	1497	CA	979539.99	979678.24	0.87	-51.06	-0.59	0.00	2.55	-48.23	-45.00
BLM S31	HL17	34 21.24	-114 11.95	448	CA	979579.46	979678.26	0.92	-15.28	-0.19	0.00	-56.66	-71.21	-70.28
BLM C81	GW61	34 21.26	-114 23.87	1570	CA	979535.15	979678.29	2.51	-53.55	-0.62	0.00	4.54	-47.12	-43.83
BLM C81	GW09	34 21.37	-114 16.82	730	CA	979570.00	979678.45	1.72	-24.90	-0.31	0.00	-39.77	-63.26	-61.77
BLM C81	B15	34 21.40	-114 15.33	755	CA	979565.10	979678.48	1.64	-25.75	-0.32	0.00	-42.36	-66.79	-65.24
BLM C81	W12	34 21.50	-114 17.33	890	CA	979562.10	979678.63	1.90	-30.01	-0.37	0.00	-33.75	-62.23	-60.41
BLM C81	GW62	34 21.52	-114 23.83	1430	CA	979565.96	979678.66	1.92	-48.77	-0.57	0.00	1.81	-45.61	-42.59
BLM S31	HL16	34 21.53	-114 12.77	448	CA	979580.96	979679.66	1.14	-15.28	-0.19	0.00	-55.56	-69.90	-68.98
BLM S32	R10	34 21.58	-114 26.58	1448	CA	979543.00	979678.73	0.60	-49.39	-0.58	0.00	0.46	-48.90	-45.76
BLM S31	HL31	34 21.63	-114 11.54	448	CA	979576.04	979678.80	0.69	-15.28	-0.19	0.00	-60.63	-75.41	-74.47
BLM C31	BL17	34 21.64	-114 16.74	655	CA	979573.40	979678.92	2.97	-22.34	-0.28	0.00	-43.81	-63.46	-62.21
BLM C31	B87	34 21.64	-114 21.53	1990	CA	979498.57	979678.82	5.40	-67.87	-0.76	0.00	6.92	-56.31	-52.28
BLM C81	GW63	34 21.70	-114 23.42	1355	CA	979546.50	979678.91	2.03	-46.21	-0.54	0.00	-4.95	-49.68	-46.83
BLM C31	B19	34 21.72	-114 14.02	700	CA	979568.39	979678.93	4.53	-23.87	-0.30	0.00	-44.70	-66.34	-63.09
BLM C31	B32	34 21.73	-114 24.93	2083	CA	979502.17	979678.95	5.79	-71.04	-0.79	0.00	19.14	-45.90	-42.69
BLM C31	B00	34 21.74	-114 19.34	1806	CA	979502.33	979678.96	5.10	-61.60	-0.70	0.00	-0.77	-57.96	-54.32
BLM S31	HL15	34 21.79	-114 13.61	449	CA	979581.45	979679.03	1.58	-15.31	-0.19	0.00	-55.31	-69.24	-68.35

Crossman Peak - Chomohuevi Mountain Wilderness Study

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	
identifcation	latitide	longitide	ele	st	observed	theoretical	terrain	bouguer	curv
proj	sta-id	deg	min	deg	min	(in ft)	special	free	complete-bouguer
								air	d1=2.67 d2=2.50
BLM C81	B91	34	21.81	-114	20.17	1510	CA	979530.82	979679.06
BLM S81	HL32	34	22.17	-114	12.29	449	CA	979575.17	979679.56
BLM S81	HL33	34	22.37	-114	13.44	448	CA	979578.59	979679.84
BLM S81	HL34	34	22.51	-114	16.54	590	CA	979574.34	979680.04
BLM S81	HL35	34	22.64	-114	17.37	1271	CA	979551.82	979680.23
BLM S81	HL36	34	22.70	-114	18.13	950	CA	979548.83	979679.89
BLM S81	HL37	34	22.82	-114	19.68	959	CA	979559.85	979680.48
BLM S81	HL38	34	22.95	-114	20.78	903	CA	979569.77	979680.93
BLM S81	HL39	34	23.06	-114	21.58	870	CA	979581.02	979680.88
BLM S81	HL40	34	23.18	-114	22.16	1120	CA	979555.99	979679.72
BLM S81	HL41	34	23.22	-114	23.02	1318	CA	979551.28	979679.70
BLM S81	HL42	34	23.28	-114	23.95	1300	CA	979551.88	979679.51
BLM S81	HL43	34	23.31	-114	24.25	448	CA	979581.02	979680.88
BLM S81	HL44	34	23.34	-114	24.58	470	CA	979585.34	979680.98
BLM S81	HL45	34	23.37	-114	25.12	449	CA	979583.82	979680.34
BLM S81	HL46	34	23.40	-114	25.45	520	CA	979583.27	979680.39
BLM S81	HL47	34	23.43	-114	25.78	1180	CA	979559.85	979680.48
BLM S81	HL48	34	23.46	-114	26.11	1295	CA	979549.01	979680.48
BLM S81	HL49	34	23.49	-114	26.44	1233	CA	979544.91	979680.31
BLM S81	HL50	34	23.52	-114	26.77	1255	CA	979550.74	979680.72
BLM S81	HL51	34	23.55	-114	27.10	1236	CA	979552.37	979680.73
BLM S81	HL52	34	23.58	-114	27.43	947	AZ	979551.94	979680.98
BLM S81	HL53	34	23.61	-114	27.76	1199	CA	979556.61	979681.46
BLM S81	HL54	34	23.64	-114	28.09	1155	CA	979556.65	979680.98
BLM S81	HL55	34	23.67	-114	28.42	449	CA	979583.14	979681.04
BLM S81	HL56	34	23.70	-114	28.75	1244	CA	979551.06	979681.05
BLM S81	HL57	34	23.73	-114	29.08	470	CA	979586.09	979681.45
BLM S81	HL58	34	23.76	-114	29.41	1199	CA	979554.61	979681.46
BLM S81	HL59	34	23.79	-114	29.74	1155	CA	979556.65	979680.98
BLM S81	HL60	34	23.82	-114	30.07	449	CA	979583.14	979681.04
BLM S81	HL61	34	23.85	-114	30.40	1244	CA	979551.06	979681.05
BLM S81	HL62	34	23.88	-114	30.73	470	CA	979586.09	979681.45
BLM S81	HL63	34	23.91	-114	31.06	1199	CA	979554.61	979681.46
BLM S81	HL64	34	23.94	-114	31.39	1155	CA	979556.65	979680.98
BLM S81	HL65	34	23.97	-114	31.72	449	CA	979583.14	979681.04
BLM S81	HL66	34	24.00	-114	32.05	1244	CA	979551.06	979681.05
BLM S81	HL67	34	24.03	-114	32.38	470	CA	979586.09	979681.45
BLM S81	HL68	34	24.06	-114	32.71	1199	CA	979554.61	979681.46
BLM S81	HL69	34	24.09	-114	33.04	1155	CA	979556.65	979680.98
BLM S81	HL70	34	24.12	-114	33.37	449	CA	979583.14	979681.04
BLM S81	HL71	34	24.15	-114	33.70	1244	CA	979551.06	979681.05
BLM S81	HL72	34	24.18	-114	34.03	470	CA	979586.09	979681.45
BLM S81	HL73	34	24.21	-114	34.36	1199	CA	979554.61	979681.46
BLM S81	HL74	34	24.24	-114	34.69	1155	CA	979556.65	979680.98
BLM S81	HL75	34	24.27	-114	35.02	449	CA	979583.14	979681.04
BLM S81	HL76	34	24.30	-114	35.35	1244	CA	979551.06	979681.05
BLM S81	HL77	34	24.33	-114	35.68	470	CA	979586.09	979681.45
BLM S81	HL78	34	24.36	-114	36.01	1199	CA	979554.61	979681.46
BLM S81	HL79	34	24.39	-114	36.34	1155	CA	979556.65	979680.98
BLM S81	HL80	34	24.42	-114	36.67	449	CA	979583.14	979681.04
BLM S81	HL81	34	24.45	-114	37.00	1244	CA	979551.06	979681.05
BLM S81	HL82	34	24.48	-114	37.33	470	CA	979586.09	979681.45
BLM S81	HL83	34	24.51	-114	37.66	1199	CA	979554.61	979681.46
BLM S81	HL84	34	24.54	-114	37.99	1155	CA	979556.65	979680.98
BLM S81	HL85	34	24.57	-114	38.32	449	CA	979583.14	979681.04
BLM S81	HL86	34	24.60	-114	38.65	1244	CA	979551.06	979681.05
BLM S81	HL87	34	24.63	-114	38.98	470	CA	979586.09	979681.45
BLM S81	HL88	34	24.66	-114	39.31	1199	CA	979554.61	979681.46
BLM S81	HL89	34	24.69	-114	39.64	1155	CA	979556.65	979680.98
BLM S81	HL90	34	24.72	-114	39.97	449	CA	979583.14	979681.04
BLM S81	HL91	34	24.75	-114	40.30	1244	CA	979551.06	979681.05
BLM S81	HL92	34	24.78	-114	40.63	470	CA	979586.09	979681.45
BLM S81	HL93	34	24.81	-114	40.96	1199	CA	979554.61	979681.46
BLM S81	HL94	34	24.84	-114	41.29	1155	CA	979556.65	979680.98
BLM S81	HL95	34	24.87	-114	41.62	449	CA	979583.14	979681.04
BLM S81	HL96	34	24.90	-114	41.95	1244	CA	979551.06	979681.05
BLM S81	HL97	34	24.93	-114	42.28	470	CA	979586.09	979681.45
BLM S81	HL98	34	24.96	-114	42.61	1199	CA	979554.61	979681.46
BLM S81	HL99	34	24.99	-114	42.94	1155	CA	979556.65	979680.98
BLM S81	HL100	34	25.02	-114	43.27	449	CA	979583.14	979681.04
BLM S81	HL101	34	25.05	-114	43.60	1244	CA	979551.06	979681.05
BLM S81	HL102	34	25.08	-114	43.93	470	CA	979586.09	979681.45
BLM S81	HL103	34	25.11	-114	44.26	1199	CA	979554.61	979681.46
BLM S81	HL104	34	25.14	-114	44.59	1155	CA	979556.65	979680.98
BLM S81	HL105	34	25.17	-114	44.92	449	CA	979583.14	979681.04
BLM S81	HL106	34	25.20	-114	45.25	1244	CA	979551.06	979681.05
BLM S81	HL107	34	25.23	-114	45.58	470	CA	979586.09	979681.45
BLM S81	HL108	34	25.26	-114	45.91	1199	CA	979554.61	979681.46
BLM S81	HL109	34	25.29	-114	46.24	1155	CA	979556.65	979680.98
BLM S81	HL110	34	25.32	-114	46.57	449	CA	979583.14	979681.04
BLM S81	HL111	34	25.35	-114	46.90	1244	CA	979551.06	979681.05
BLM S81	HL112	34	25.38	-114	47.23	470	CA	979586.09	979681.45
BLM S81	HL113	34	25.41	-114	47.56	1199	CA	979554.61	979681.46
BLM S81	HL114	34	25.44	-114	47.89	1155	CA	979556.65	979680.98
BLM S81	HL115	34	25.47	-114	48.22	449	CA	979583.14	979681.04
BLM S81	HL116	34	25.50	-114	48.55	1244	CA	979551.06	979681.05
BLM S81	HL117	34	25.53	-114	48.88	470	CA	979586.09	979681.45
BLM S81	HL118	34	25.56	-114	49.21	1199	CA	979554.61	979681.46
BLM S81	HL119	34	25.59	-114	49.54	1155	CA	979556.65	979680.98
BLM S81	HL120	34	25.62	-114	49.87	449	CA	979583.14	979681.04
BLM S81	HL121	34	25.65	-114	50.20	1244	CA	979551.06	979681.05
BLM S81	HL122	34	25.68	-114	50.53	470	CA	979586.09	979681.45
BLM S81	HL123	34	25.71	-114	50.86	1199	CA	979554.61	979681.46
BLM S81	HL124	34	25.74	-114	51.19	1155	CA	979556.65	979680.98
BLM S81	HL125	34	25.77	-114	51.52	449	CA	979583.14	979681.04
BLM S81	HL126	34	25.80	-114	51.85	1244	CA	979551.06	979681.05
BLM S81	HL127	34	25.83	-114	52.18	470	CA	979586.09	979681.45
BLM S81	HL128	34	25.86	-114	52.51	1199	CA	979554.61	979681.46
BLM S81	HL129	34	25.89	-114	52.84	1155	CA	979556.65	979680.98
BLM S81	HL130	34	25.92	-114	53.17	449	CA	979583.14	979681.04
BLM S81	HL131	34	25.95	-114	53.50	1244	CA	979551.06	979681.05
BLM S81	HL132	34	25.98	-114	53.83	470	CA	979586.09	979681.45
BLM S81	HL133	34	26.01	-114	54.16	1199	CA	979554.61	979681.46
BLM S81	HL134	34	26.04	-114	54.49	1155	CA	979556.65	979680.98
BLM S81	HL135	34	26.07	-114	54.82	449	CA	979583.14	979681.04
BLM S81	HL136	34	26.10	-114	55.15	1244	CA	979551.06	979681.05
BLM S81	HL137	34	26.13	-114	55.48	470	CA	979586.09	979681.45
BLM S81	HL138	34	26.16	-114	55.81	1199	CA	979554.61	979681.46
BLM S81	HL139	34	26.19	-114	56.14	1155	CA	979556.65	979680.98
BLM S81	HL140	34	26.22	-114	56.47	449	CA	979583.14	979681.04
BLM S81	HL141	34	26.25	-114	56.80	1244	CA	979551.06	979681.05
BLM S81	HL142	34	26.28	-114	57.13	470	CA	979586.09	979681.45
BLM S81	HL143	34	26.31	-114	57.46	1199	CA	979554.61	979681.46
BLM S81	HL144	34	26.34	-114	57.79	1155	CA	979556.65	979680.98
BLM S81	HL145	34	26.37	-114	58.12	449	CA	979583.14	979681.04
BLM S81	HL146	34	26.40	-114	58.45	1244	CA	979551.06	979681.05
BLM S81	HL147	34	26.						

station identification proj	latitude deg	longitude deg	alt min	ele (in ft)	st	g r a v i t y observed theoretical	terrain bouguer curv	special	free air	a n o m a l i e s complete-bouguer d1=2.67 d2=2.50
BLM S81 HL35	34 23.70	-114 15.19	452	CA	979583.21	979681.71	0.83	0.00	-55.99	-70.77 -69.83
BLM C31GW119	34 23.70	-114 26.00	1050	CA	979564.07	979681.71	0.26	0.00	-17.93	-54.26 -51.95
BLM S82 R20	34 23.70	-114 28.01	1175	CA	979554.42	979681.71	0.14	0.00	-16.77	-57.18 -54.61
BLM S62RS143	34 23.74	-114 10.33	985	AZ	979549.93	979681.77	0.47	0.00	-39.19	-72.72 -70.59
BLM C81GW117	34 23.74	-114 29.15	1075	CA	979559.15	979681.77	0.15	0.00	-21.50	-58.46 -56.11
BLM S81 HL10	34 23.99	-114 15.79	448	CA	979583.64	979681.98	0.75	0.00	-56.20	-70.92 -69.98
BLM C31GW120	34 23.92	-114 27.23	1115	CA	979558.11	979682.02	0.15	0.00	-19.03	-57.37 -54.93
BLM S82 R21	34 23.93	-114 28.11	1122	CA	979557.14	979682.04	0.10	0.00	-19.36	-57.98 -55.53
BLM C81 HL9	34 24.01	-114 16.60	448	CA	979585.57	979682.15	0.68	0.00	-54.44	-69.23 -68.29
BLM C81 HL8	34 24.02	-114 17.52	448	CA	979587.96	979682.16	0.83	0.00	-52.06	-66.70 -65.77
BLM C81 W08	34 24.02	-114 22.31	966	CA	979566.89	979682.16	0.37	0.00	-24.40	-57.38 -55.28
BLM S82RS142	34 24.05	-114 10.64	1007	AZ	979548.57	979682.20	0.43	0.00	-38.91	-73.24 -71.06
BLM C81 W15	34 24.08	-114 29.87	1055	CA	979557.14	979682.25	0.04	0.00	-25.87	-62.25 -59.93
BLM S82 R22	34 24.17	-114 28.12	1091	CA	979558.71	979682.38	0.08	0.00	-21.04	-58.62 -56.23
BLM C81GW116	34 24.32	-114 28.99	1020	CA	979561.22	979692.59	0.06	0.00	-25.42	-60.57 -58.33
BLM S81 HL36	34 24.33	-114 16.71	450	CA	979586.89	979682.59	0.68	0.00	-53.38	-68.24 -67.29
BLM C81GW122	34 24.33	-114 24.50	920	CA	979571.19	979682.59	0.23	0.00	-24.87	-56.40 -54.39
BLM C81GW121	34 24.34	-114 24.81	915	CA	979571.56	979682.61	0.23	0.00	-24.98	-56.34 -54.34
BLM C81 GW12	34 24.35	-114 26.21	1002	CA	979567.16	979682.63	0.15	0.00	-21.21	-55.65 -53.46
BLM S82RS141	34 24.37	-114 11.00	1023	AZ	979548.90	979682.66	0.43	0.00	-37.53	-72.41 -70.19
BLM S82	34 24.41	-114 28.15	1053	CA	979560.91	979682.71	0.07	0.00	-22.75	-59.03 -56.72
BLM C31 GW67	34 24.56	-114 23.86	830	CA	979579.01	979682.92	0.53	0.00	-25.84	-53.97 -52.18
BLM S82 R24	34 24.62	-114 28.47	1027	CA	979561.85	979683.01	0.05	0.00	-24.55	-59.95 -57.70
BLM S82RS140	34 24.67	-114 11.35	1036	AZ	979549.89	979683.08	0.43	0.00	-35.73	-71.07 -68.82
BLM C31B151	34 24.68	-114 10.98	1073	AZ	979545.99	979683.09	0.45	0.00	-36.17	-72.75 -70.43
BLM C81 HL7	34 24.74	-114 17.63	448	CA	979587.31	979683.17	0.61	0.00	-53.72	-68.58 -67.64
BLM C81GW115	34 24.75	-114 23.80	1000	CA	979564.87	979683.19	0.02	0.00	-24.26	-58.76 -56.56
BLM C81GW114	34 24.86	-114 23.25	995	CA	979566.13	979683.34	0.03	0.00	-23.61	-57.93 -55.75
BLM S82 R25	34 24.89	-114 28.61	1002	CA	979563.28	979683.38	0.03	0.00	-25.85	-60.41 -58.21
BLM C81 W09	34 24.95	-114 23.81	836	CA	979577.56	979683.47	0.22	0.00	-27.27	-55.91 -54.09
BLM C81B150	34 25.00	-114 10.67	1157	AZ	979540.32	979683.54	0.45	0.00	-34.39	-73.87 -71.36
BLM S82RS138	34 25.15	-114 11.90	1062	AZ	979549.76	979683.75	0.42	0.00	-34.10	-70.34 -68.03
BLM S82 R26	34 25.15	-114 28.81	972	CA	979565.08	979683.75	0.02	0.00	-27.24	-60.78 -58.64
BLM S82RS137	34 25.22	-114 11.62	1094	AZ	979545.59	979683.84	0.44	0.00	-35.35	-72.67 -70.29
BLM C81B149	34 25.28	-114 10.30	1242	AZ	979535.34	979683.93	0.53	0.00	-31.76	-74.10 -71.40
BLM C81 HL6	34 25.37	-114 18.01	449	CA	979588.28	979684.05	0.74	0.00	-53.54	-68.31 -67.37
BLM S82 R30	34 25.37	-114 28.99	905	CA	979569.92	979684.05	0.05	0.00	-29.01	-58.22 -56.20
BLM C31GW124	34 25.43	-114 25.35	814	CA	979578.33	979684.14	0.12	0.00	-29.19	-57.17 -55.39
BLM S82 R27	34 25.45	-114 25.36	814	CA	979578.40	979684.17	0.12	0.00	-29.20	-57.19 -55.41
BLM C31B148	34 25.46	-114 25.34	1322	AZ	979533.14	979584.19	0.58	0.00	-26.70	-71.74 -68.87

station identification proj	latitude deg	longitude deg	alt min	ele (in ft)	st	g r a v i t y observed theoretical	terrain bouguer curv	special	free air	a n o m a l i e s complete-bouguer d1=2.67 d2=2.50				
BLM S32RS136	34 25.48	-114 11.26		1169	AZ	979538.71	979684.21	0.45	-39.87	-0.48	0.00	-35.54	-75.44	-72.90
BLM S32RS137	34 25.49	-114 12.29		1093	AZ	979546.37	979684.21	0.51	-37.28	-0.45	0.00	-35.04	-72.25	-69.88
BLM S32RS138	34 25.50	-114 12.12		1080	CA	979546.75	979684.24	0.48	-36.94	-0.44	0.00	-35.90	-72.70	-70.36
BLM S32RS139	34 25.51	-114 12.12		1080	CA	979546.75	979684.30	0.03	-30.53	-0.37	0.00	-28.90	-59.77	-57.80
BLM S32RS140	34 25.52	-114 19.06		895	CA	979571.21	979684.41	0.58	-15.28	-0.19	0.00	-51.92	-66.81	-65.86
BLM S32RS141	34 25.54	-114 20.42		448	CA	979590.35	979684.41							
BLM S32RS142	34 25.62	-114 19.06		448	CA	979590.35	979684.41							
BLM S32RS143	34 25.62	-114 19.06		448	CA	979590.35	979684.41							
BLM S32RS144	34 25.62	-114 19.06		448	CA	979590.35	979684.41							
BLM S32RS145	34 25.69	-114 9.50		1399	AZ	979531.10	979684.51	0.65	-47.72	-0.56	0.00	-21.82	-69.44	-66.41
BLM S32RS146	34 25.74	-114 9.35		1434	AZ	979530.21	979684.58	0.53	-48.91	-0.57	0.00	-19.48	-68.44	-65.32
BLM S32RS147	34 25.74	-114 9.35		1434	AZ	979530.21	979684.58	0.53	-48.91	-0.57	0.00	-19.48	-68.44	-65.32
BLM S32RS148	34 25.76	-114 28.97		875	CA	979573.70	979684.61	0.03	-29.84	-0.37	0.00	-28.60	-58.78	-56.85
BLM S32RS149	34 25.76	-114 28.97		875	CA	979573.70	979684.61	0.03	-29.84	-0.37	0.00	-28.60	-58.78	-56.85
BLM S32RS150	34 25.77	-114 19.65		450	CA	979589.63	979684.62	0.71	-15.35	-0.19	0.00	-52.66	-67.49	-66.54
BLM S32RS151	34 25.77	-114 19.65		450	CA	979589.63	979684.62	0.71	-15.35	-0.19	0.00	-52.66	-67.49	-66.54
BLM S32RS152	34 25.78	-114 20.14		875	CA	979573.14	979684.63	0.03	-29.84	-0.37	0.00	-29.19	-59.37	-57.44
BLM S32RS153	34 25.78	-114 20.14		875	CA	979573.14	979684.63	0.03	-29.84	-0.37	0.00	-29.19	-59.37	-57.44
BLM S32RS154	34 25.79	-114 8.94		1514	AZ	979526.88	979684.65	0.56	-51.64	-0.60	0.00	-15.36	-67.04	-63.75
BLM S32RS155	34 25.81	-114 10.91		1247	AZ	979533.06	979684.68	0.56	-42.53	-0.51	0.00	-34.32	-76.80	-74.09
BLM S32RS156	34 26.02	-114 29.31		856	CA	979574.49	979684.97	0.03	-29.19	-0.36	0.00	-29.96	-59.48	-57.60
BLM S32RS157	34 26.10	-114 50.20		1763	CA	979503.12	979685.09	2.94	-60.13	-0.68	0.00	-16.14	-74.02	-70.33
BLM S32RS158	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS159	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS160	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS161	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS162	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS163	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS164	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS165	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS166	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS167	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS168	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS169	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS170	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS171	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS172	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS173	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS174	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS175	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS176	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS177	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS178	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS179	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS180	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS181	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS182	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS183	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS184	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS185	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS186	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS187	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS188	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS189	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS190	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS191	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS192	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS193	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS194	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS195	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS196	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS197	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS198	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS199	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS200	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS201	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS202	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS203	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS204	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS205	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS206	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS207	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS208	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS209	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS210	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS211	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS212	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS213	34 26.12	-114 20.27		449	CA	979590.67	979685.11	0.45	-15.31	-0.19	0.00	-52.20	-67.26	-66.30
BLM S32RS214	34 26.12	-114 20.27		449	CA	979590.6								

[illegible]

Crossman Peak - Chemehuevi Mountain Wilderness Study

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	latitude	longitude	ele	st	observed	theoretical	terrain	bouguer	curv	special	free	complete				
proj	sta-id	deg	min	deg	min	(in ft)					air	d1=2.67	d2=2.50			
BLM	S92 RC38	34	28.42	-114	47.93	1499	CA	979516.39	979688.34	0.22	-51.13	-0.60	0.00	-30.96	-82.46	-79.18
	S32 RC46	34	29.44	-114	50.53	1610	CA	979521.78	979688.38	0.18	-54.91	-0.63	0.00	-15.16	-70.52	-67.00
	S82 RC121	34	28.45	-114	19.10	688	AZ	979573.15	979688.38	0.39	-23.47	-0.29	0.00	-50.52	-73.89	-72.40
	S82 RC163	34	28.49	-114	13.00	1607	AZ	979517.33	979688.45	0.97	-54.81	-0.63	0.00	-19.96	-74.43	-70.96
	S82 RC77	34	28.49	-114	41.86	1221	CA	979535.75	979688.45	0.23	-41.64	-0.50	0.00	-37.84	-79.75	-77.08
	C81 HLR8	34	28.51	-114	25.00	580	CA	979500.35	979688.47	0.10	-19.78	-0.25	0.00	-43.56	-63.49	-62.22
	S82 RC157	34	28.54	-114	12.58	1729	AZ	979509.73	979688.52	1.50	-58.97	-0.67	0.00	-16.15	-74.30	-70.59
	S82 RC49	34	28.61	-114	51.37	1631	CA	979524.20	979688.61	0.25	-55.63	-0.64	0.00	-11.00	-67.02	-63.45
	C30 M31	34	28.62	-114	8.34	1875	CA	979505.26	979689.63	0.71	-63.95	-0.72	0.00	-7.01	-70.97	-66.90
	C80 M32	34	28.68	-114	8.88	1880	CA	979506.25	979688.71	0.80	-64.12	-0.72	0.00	-5.63	-69.68	-65.60
BLM	S82 RC37	34	28.68	-114	47.32	1454	CA	979519.29	979688.71	0.20	-49.59	-0.58	0.00	-32.66	-82.63	-79.45
	S82 RC104	34	28.69	-114	20.44	554	AZ	979580.77	979688.73	0.31	-18.89	-0.24	0.00	-55.84	-74.66	-73.46
	S82 R45	34	28.69	-114	31.02	1117	CA	979558.17	979688.73	0.10	-38.10	-0.46	0.00	-25.48	-63.94	-61.49
	S82 HLR9	34	28.72	-114	24.48	525	CA	979591.49	979689.77	0.16	-17.91	-0.23	0.00	-47.89	-65.86	-64.71
	S82 RC50	34	28.76	-114	52.11	1709	CA	979522.57	979688.82	0.24	-58.29	-0.67	0.00	-5.51	-64.22	-60.48
	S82 RH118	34	28.78	-114	17.61	941	AZ	979557.53	979688.85	0.51	-32.09	-0.39	0.00	-42.81	-74.78	-72.75
	S82 RC158	34	28.85	-114	12.23	1869	AZ	979503.99	979688.95	1.23	-63.75	-0.72	0.00	-9.16	-72.40	-68.37
	S82 BC76	34	28.87	-114	42.32	1235	CA	979535.82	979688.98	0.26	-42.12	-0.50	0.00	-36.99	-79.35	-76.66
	S82 R46	34	28.89	-114	31.15	1141	CA	979558.56	979689.01	0.14	-38.92	-0.47	0.00	-23.12	-62.36	-59.86
	S82 RC19	34	28.90	-114	38.96	1333	CA	979539.23	979689.02	-0.01	-45.46	-0.54	0.00	-24.40	-70.41	-67.48
BLM	S82 RC36	34	28.96	-114	46.60	1410	CA	979523.43	979689.10	0.08	-48.09	-0.56	0.00	-33.05	-81.62	-78.53
	C80 M41	34	28.98	-114	12.66	1790	CA	979512.36	979689.13	1.25	-61.05	-0.69	0.00	-8.41	-68.90	-65.05
	S92 RC51	34	29.01	-114	51.32	1612	CA	979524.99	979689.17	0.25	-54.98	-0.63	0.00	-12.56	-67.92	-64.40
	S82 RC161	34	29.03	-114	12.04	1946	AZ	979501.10	979689.20	1.32	-66.37	-0.74	0.00	-5.06	-70.86	-66.67
	S82 RH105	34	29.03	-114	19.99	654	AZ	979575.09	979689.20	0.35	-22.31	-0.28	0.00	-52.59	-74.82	-73.41
	S32 R59	34	29.03	-114	31.22	1163	CA	979558.64	979689.20	0.16	-39.67	-0.47	0.00	-21.17	-61.15	-58.60
	C81 C76	34	29.17	-114	29.42	1000	CA	979571.34	979689.40	0.10	-34.11	-0.41	0.00	-23.99	-58.41	-56.22
	S82 R58	34	29.25	-114	31.37	1200	CA	979558.78	979689.51	0.30	-40.93	-0.49	0.00	-17.85	-58.97	-56.35
	S82 RC35	34	29.26	-114	45.85	1369	CA	979529.18	979689.52	0.04	-46.69	-0.55	0.00	-31.58	-78.78	-75.77
	C81 C79	34	29.30	-114	31.26	1272	CA	979555.25	979689.58	0.24	-43.38	-0.51	0.00	-14.69	-58.34	-55.56
BLM	S82 RH106	34	29.34	-114	19.33	769	AZ	979568.82	979689.64	0.39	-26.19	-0.32	0.00	-48.58	-74.70	-73.04
	S82 RC75	34	29.34	-114	42.79	1248	CA	979537.30	979689.64	0.41	-42.57	-0.51	0.00	-34.95	-77.61	-74.90
	S82 RH117	34	29.35	-114	17.21	1090	AZ	979549.20	979689.65	0.59	-37.18	-0.45	0.00	-37.83	-74.87	-72.51
	C81 C77	34	29.45	-114	30.18	1127	CA	979563.78	979689.79	0.17	-38.44	-0.46	0.00	-20.00	-58.73	-56.27
	C31 C77	34	29.45	-114	30.18	1127	CA	979563.78	979689.79	0.17	-38.44	-0.46	0.00	-20.00	-58.73	-56.27
	S82 RC159	34	29.47	-114	11.37	2106	AZ	979494.85	979689.82	1.62	-71.83	-0.79	0.00	3.11	-67.89	-63.37
	S82 R57	34	29.49	-114	31.51	1244	CA	979553.86	979689.95	0.40	-42.43	-0.50	0.00	-13.98	-56.51	-53.80
	S82 RC18	34	29.58	-114	38.94	1387	CA	979537.94	979689.98	0.01	-47.31	-0.56	0.00	-21.58	-69.43	-66.38
	S82 RC14	34	29.61	-114	44.94	1343	CA	979534.94	979690.02	0.01	-45.81	-0.54	0.00	-28.76	-75.09	-72.14
	S82 RH107	34	29.63	-114	18.67	896	AZ	979562.52	979690.05	0.49	-30.56	-0.37	0.00	-43.24	-73.68	-71.74

Crossman Peak - Chemehuevi Mountain Wilderness Study

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	
identifcation	latitude	longitude	ele	st	observed	theoretical	terrain bouguer curv	special	free complete-bouguer
proj	deg min	deg min	(in ft)						d1=2.67 d2=2.50
J	BLM C81 C30	34 29.64	-114 32.21	1325	CA	979555.17	979690.06	0.00	-10.26
	BLM S82RM103	34 29.67	-114 17.85	1042	AZ	979554.33	979690.10	0.00	-37.76
	BLM C80 M35	34 29.70	-114 10.56	2155	CA	979490.64	979690.14	0.00	3.19
	BLM C80 M42	34 29.70	-114 12.78	1990	CA	979502.84	979690.14	0.00	-0.13
	BLM S82 BC74	34 29.71	-114 43.30	1263	CA	979539.39	979690.16	0.00	-31.97
D	BLM S82 RS6	34 29.73	-114 31.63	1291	CA	979557.70	979690.19	0.00	-11.05
	BLM S82RM160	34 29.74	-114 11.36	2325	AZ	979481.76	979690.20	0.00	10.24
	BLM S82 RC13	34 29.87	-114 44.33	1311	CA	979538.71	979690.38	0.00	-28.36
	BLM C80 M30	34 29.88	-114 7.80	2200	CA	979484.45	979690.40	0.00	0.98
	BLM C81 C78	34 29.90	-114 30.18	1307	CA	979557.38	979690.42	0.00	-10.10
S	BLM C81 C78	34 29.90	-114 30.18	1307	CA	979557.39	979690.42	0.00	-10.10
	BLM C81 C81	34 29.94	-114 32.80	1510	CA	979543.99	979690.48	0.00	-4.46
	BLM S82RM116	34 29.96	-114 16.88	1250	AZ	979541.00	979690.51	0.00	-31.93
	BLM S82 R55	34 29.99	-114 31.80	1351	CA	979556.82	979690.55	0.00	-6.66
	BLM C80 M29	34 30.00	-114 5.34	2155	CA	979477.81	979690.56	0.00	-10.06
D	BLM S82RM109	34 30.02	-114 17.17	1238	AZ	979542.21	979690.59	0.00	-31.93
	BLM S82 RC12	34 30.02	-114 43.91	1282	CA	979540.50	979690.59	0.00	-29.51
	BLM S82 RC11	34 30.17	-114 43.53	1278	CA	979540.64	979690.80	0.00	-29.95
	BLM S82 BC55	34 30.17	-114 48.43	1472	CA	979521.01	979690.80	0.00	-31.34
	BLM S82 R54	34 30.22	-114 31.93	1391	CA	979556.39	979690.88	0.00	-3.65
J	BLM S82RM115	34 30.23	-114 16.14	1425	AZ	979531.21	979690.89	0.00	-25.64
	BLM C80 M24	34 30.24	-114 6.96	2320	CA	979476.71	979690.91	0.00	4.01
	BLM S82 RC17	34 30.24	-114 38.92	1443	CA	979535.06	979690.91	0.00	-20.11
	BLM S82RM110	34 30.28	-114 16.54	1346	AZ	979535.87	979690.96	0.00	-28.48
	BLM C81 C82	34 30.33	-114 33.36	1640	CA	979538.63	979691.03	0.00	1.86
J	BLM S82 R47	34 30.35	-114 32.01	1417	CA	979555.14	979691.05	0.00	-2.63
	BLM S82 RC10	34 30.38	-114 42.97	1284	CA	979536.99	979691.10	0.00	-33.33
	BLM C81 C74	34 30.41	-114 28.95	1240	CA	979564.42	979691.14	0.00	-10.08
	BLM S82RM111	34 30.47	-114 15.83	1509	AZ	979527.89	979691.23	0.00	-21.40
	BLM C81 C38	34 30.47	-114 27.75	380	CA	979587.90	979691.23	0.00	-20.55
J	BLM S82 BC73	34 30.47	-114 44.38	1296	CA	979541.03	979691.23	0.00	-28.29
	BLM C80 M26	34 30.48	-114 9.29	2450	CA	979473.13	979691.24	0.00	12.33
	BLM S82RM128	34 30.53	-114 21.26	565	AZ	979579.68	979691.31	0.00	-58.48
	BLM S82 RC29	34 30.53	-114 36.21	1597	CA	979534.52	979691.31	0.00	-6.58
	BLM C80 M23	34 30.54	-114 5.82	2290	CA	979474.35	979691.33	0.00	-1.59
J	BLM S82 RC09	34 30.55	-114 42.55	1300	CA	979532.53	979691.34	0.00	-36.53
	BLM S82RM129	34 30.57	-114 21.67	495	AZ	979583.73	979691.37	0.00	-61.02
	BLM S82 R48	34 30.58	-114 32.17	1509	CA	979550.32	979691.38	0.00	0.75
	BLM C81 C14	34 30.60	-114 32.76	1645	CA	979537.44	979691.41	0.00	0.78
	BLM S82 R49	34 30.63	-114 32.21	1544	CA	979548.06	979691.52	0.00	1.77

Crossman Peak - Chemehuevi Mountain Wilderness Study

station identification	latitude deg min	longitude deg min	ele (in ft)	st	observed	theoretical	terrain	correction	special	free air	complete-bouguer d1=2.67 d2=2.50
proj sta-id											
BLM S82 RC08	34 30.75	-114 42.01	1327	CA	979528.20	979691.62	0.02	-45.26	0.00	-38.60	-84.37
BLM S32 RC16	34 30.79	-114 38.90	1437	CA	979533.39	979691.68	0.15	-50.72	0.00	-18.42	-69.58
BLM C81 G35	34 30.82	-114 5.41	2264	AZ	979477.57	979691.72	0.79	-77.22	0.00	-1.21	-78.48
BLM C31 G36	34 30.85	-114 7.36	2632	AZ	979459.49	979691.76	2.23	-89.77	0.00	15.28	-73.21
BLM C31 C37	34 30.85	-114 28.11	1055	CA	979575.94	979691.77	0.72	-35.98	0.00	-15.60	-51.30
BLM S32RH112	34 30.39	-114 15.32	1677	AZ	979522.79	979691.82	1.27	-57.20	0.00	-11.29	-67.88
BLM C80 M39	34 30.90	-114 11.10	2730	CA	979456.55	979691.83	3.57	-93.11	0.00	21.48	-69.04
BLM S82 BC72	34 30.90	-114 44.86	1316	CA	979539.26	979691.83	0.05	-44.88	0.00	-28.79	-74.15
BLM S82 R50	34 30.91	-114 32.36	1690	CA	979538.49	979691.84	0.98	-57.64	0.00	5.61	-51.71
BLM C80 M36	34 30.96	-114 10.02	2715	CA	979457.23	979691.91	1.42	-92.60	0.00	20.67	-69.48
BLM S82 R51	34 30.98	-114 32.33	1790	CA	979531.56	979691.95	1.61	-61.05	0.00	7.98	-52.15
BLM S82 RC07	34 30.98	-114 41.48	1362	CA	979526.10	979691.95	0.00	-46.45	0.00	-37.73	-84.73
BLM C81 C13	34 31.02	-114 32.56	1714	CA	979538.78	979692.00	1.40	-58.46	0.00	8.00	-49.73
BLM C31 C15	34 31.07	-114 34.03	1800	CA	979527.59	979692.07	1.21	-61.39	0.00	4.83	-56.05
BLM S82 RC30	34 31.08	-114 36.71	1637	CA	979531.29	979692.09	0.21	-55.83	0.00	-6.82	-63.09
BLM C81 C11	34 31.10	-114 31.44	1585	CA	979545.92	979692.11	0.84	-54.06	0.00	2.89	-50.95
BLM C80 M28	34 31.14	-114 4.92	2235	CA	979479.18	979692.17	0.73	-76.23	0.00	-2.78	-79.11
BLM C81 G37	34 31.14	-114 6.73	2670	AZ	979456.81	979692.17	2.29	-91.07	0.00	15.76	-73.97
BLM C80 M25	34 31.14	-114 8.40	2730	CA	979456.95	979692.17	2.81	-93.11	0.00	21.55	-69.73
BLM C80 M43	34 31.14	-114 13.98	2105	CA	979498.18	979692.17	2.25	-71.80	0.00	4.00	-66.34
BLM S82 R52	34 31.15	-114 32.36	1895	CA	979524.62	979692.18	2.80	-64.63	0.00	10.67	-51.89
BLM S82 RC06	34 31.16	-114 40.99	1397	CA	979527.20	979692.20	0.00	-47.65	0.00	-33.59	-81.80
BLM S82 BC56	34 31.21	-114 48.47	1447	CA	979523.89	979692.27	0.14	-49.35	0.00	-32.27	-82.06
BLM S82RH114	34 31.23	-114 14.33	1992	AZ	979504.39	979692.30	1.95	-67.94	0.00	-0.54	-67.29
BLM S82 D12	34 31.29	-114 24.32	509	CA	979587.79	979692.38	0.20	-17.36	0.00	-56.71	-74.09
BLM C81 G34	34 31.30	-114 5.87	2495	AZ	979466.39	979692.39	1.69	-85.10	0.00	8.66	-75.66
BLM S82 D11	34 31.30	-114 24.71	528	CA	979588.69	979692.39	0.20	-18.01	0.00	-54.04	-72.07
BLM S82 D10	34 31.30	-114 25.24	568	CA	979590.22	979692.39	0.19	-19.37	0.00	-48.75	-68.17
BLM S82 D09	34 31.30	-114 25.51	591	CA	979591.26	979692.39	0.18	-20.16	0.00	-45.54	-65.77
BLM S82 D08	34 31.30	-114 25.93	644	CA	979591.40	979692.39	0.18	-21.96	0.00	-40.42	-62.47
BLM S82 D07	34 31.30	-114 26.55	706	CA	979593.85	979692.39	0.23	-24.08	0.00	-32.13	-56.28
BLM S82 D06	34 31.30	-114 27.04	774	CA	979589.96	979692.39	0.24	-26.40	0.00	-29.63	-56.11
BLM S82 D05	34 31.30	-114 27.61	860	CA	979589.44	979692.39	0.27	-29.33	0.00	-22.06	-51.48
BLM S82 D04	34 31.30	-114 27.91	908	CA	979587.14	979692.39	0.30	-30.97	0.00	-19.84	-50.89
BLM S82 D02	34 31.30	-114 28.23	1065	CA	979577.80	979692.39	0.41	-36.32	0.00	-14.42	-50.77
BLM S82 D13	34 31.34	-114 23.76	501	CA	979585.71	979692.45	0.23	-17.09	0.00	-59.61	-76.68
BLM S32 RC05	34 31.35	-114 40.51	1437	CA	979528.59	979692.46	0.03	-49.01	0.00	-29.71	-78.26
BLM S82RH113	34 31.39	-114 14.83	1868	AZ	979511.84	979692.52	1.68	-63.71	0.00	-4.95	-67.73
BLM S82 D03	34 31.40	-114 28.29	956	CA	979585.38	979692.53	0.37	-32.61	0.00	-17.23	-49.86
BLM S82 HC71	34 31.42	-114 45.24	1332	CA	979536.47	979692.56	0.02	-45.43	0.00	-30.80	-76.75

station identification proj sta-id	latitude deg	longitude deg min	altitude in ft	observed	gravitational theoretical	terrain bouguer	correction special	free air	anomalies complete-bouguer d1=2.67 d2=2.50
BLM C81 G12	34	31-44	-114 10-20	3373 AZ	979414.18	6.70 -115.21 -1.13	0.00	39.28	-70.37 -63.38
BLM C81 G13	34	31-45	-114 9-25	3370 AZ	979414.91	6.00 -114.94 -1.13	0.00	39.25	-70.82 -63.81
BLM S82 RC15	34	31-45	-114 38-86	1540 CA	979531.09	0.12 -52.52 -0.61	0.00	-16.66	-69.67 -66.30
BLM S82 D01	34	31-46	-114 29-21	1134 CA	979573.82	0.49 -38.68 -0.46	0.00	-12.13	-50.78 -48.32
BLM S82 R53	34	31-46	-114 32-71	2003 CA	979517.21	2.53 -68.32 -0.76	0.00	12.99	-53.56 -49.32
BLM S82 RC04	34	31-55	-114 39-93	1482 CA	979528.75	0.05 -50.55 -0.59	0.00	-24.60	-75.68 -72.43
BLM C81 G33	34	31-61	-114 6-45	2862 AZ	979444.25	3.16 -97.61 -1.01	0.00	20.59	-74.87 -68.79
BLM C80 M27	34	31-62	-114 4-98	2360 CA	979474.69	1.00 -80.49 -0.87	0.00	3.81	-76.55 -71.44
BLM S82 RC31	34	31-63	-114 37-14	1670 CA	979526.96	0.22 -56.96 -0.65	0.00	-8.82	-66.21 -62.56
BLM S82 BC70	34	31-70	-114 45-89	1361 CA	979534.03	0.01 -46.42 -0.55	0.00	-30.91	-77.86 -74.87
BLM C81 G32	34	31-73	-114 7-24	3382 AZ	979411.10	7.86 -115.35 -1.13	0.00	36.17	-72.45 -65.54
BLM C81 G17	34	31-73	-114 8-38	3645 AZ	979412.32	6.49 -117.50 -1.15	0.00	43.31	-68.84 -61.70
BLM S82 RC03	34	31-78	-114 39-44	1533 CA	979529.37	0.08 -52.29 -0.61	0.00	-19.51	-72.32 -68.96
BLM S82 BC57	34	31-85	-114 48-36	1461 CA	979522.88	0.03 -49.83 -0.58	0.00	-32.86	-83.24 -80.04
BLM S82 BC69	34	32-01	-114 46-53	1391 CA	979531.26	0.00 -47.44 -0.56	0.00	-31.30	-79.30 -76.24
BLM C80 M44	34	32-04	-114 14-10	2315 CA	979484.51	2.93 -78.96 -0.86	0.00	8.81	-68.08 -63.18
BLM S82 RC02	34	32-07	-114 38-78	1594 CA	979529.79	0.10 -54.37 -0.63	0.00	-13.76	-68.65 -65.16
BLM C81 G11	34	32-09	-114 10-97	4050 AZ	979374.83	9.53 -138.13 -1.27	0.00	62.20	-67.67 -59.41
BLM C80 M22	34	32-16	-114 4-62	2220 CA	979481.93	0.83 -75.72 -0.83	0.00	-2.87	-78.59 -73.77
BLM S82 RC32	34	32-19	-114 37-56	1674 CA	979527.93	0.25 -57.09 -0.65	0.00	-8.26	-65.76 -62.10
BLM S82 D14	34	32-21	-114 25-33	581 CA	979589.21	0.22 -19.82 -0.25	0.00	-49.81	-69.66 -68.39
BLM C81 C41	34	32-25	-114 28-10	1080 CA	979577.51	0.66 -36.84 -0.44	0.00	-14.63	-51.25 -48.92
BLM C81 C42	34	32-26	-114 28-95	1090 CA	979577.62	0.90 -37.18 -0.45	0.00	-13.60	-50.32 -47.98
BLM S82 BC68	34	32-37	-114 47-14	1434 CA	979527.66	0.01 -48.91 -0.57	0.00	-31.35	-80.82 -77.67
BLM C81 G28	34	32-38	-114 6-71	3690 AZ	979389.89	10.75 -125.86 -1.20	0.00	43.01	-73.30 -65.89
BLM C81 G14	34	32-39	-114 9-82	3700 AZ	979397.51	5.82 -126.20 -1.20	0.00	51.55	-70.03 -62.29
BLM C81 C16	34	32-57	-114 35-92	2040 CA	979509.01	1.65 -69.58 -0.77	0.00	6.70	-62.00 -57.62
BLM C80 M45	34	32-58	-114 13-38	2570 CA	979467.03	5.73 -87.65 -0.93	0.00	14.55	-68.30 -63.03
BLM S82 BC58	34	32-40	-114 48-57	1502 CA	979521.56	0.04 -51.23 -0.60	0.00	-31.10	-82.89 -79.59
BLM C80 M46	34	32-52	-114 12-48	3080 CA	979437.85	5.58 -105.05 -1.06	0.00	33.41	-67.12 -60.72
BLM C81 G30	34	32-57	-114 5-30	2905 AZ	979438.63	4.78 -99.08 -1.02	0.00	17.67	-77.65 -71.58
BLM C81 C16	34	32-57	-114 35-92	2040 CA	979509.01	1.65 -69.58 -0.77	0.00	6.70	-62.00 -57.62
BLM C80 M45	34	32-58	-114 13-38	2570 CA	979467.03	5.73 -87.65 -0.93	0.00	14.55	-68.30 -63.03
BLM C91 C4	34	32-58	-114 30-46	1820 CA	979531.18	3.30 -62.07 -0.70	0.00	8.17	-51.31 -47.52
BLM S82 RC67	34	32-69	-114 47-68	1473 CA	979525.67	0.02 -50.24 -0.59	0.00	-30.13	-80.93 -77.70
BLM C81 G15	34	32-71	-114 9-12	4186 AZ	979363.29	10.97 -142.77 -1.29	0.00	62.57	-70.52 -62.05
BLM S82 RC33	34	32-71	-114 37-98	1702 CA	979524.47	0.22 -58.05 -0.66	0.00	-9.82	-68.32 -64.59
BLM S62 RC24	34	32-73	-114 36-71	1651 CA	979525.01	0.15 -56.31 -0.65	0.00	-14.11	-70.91 -67.30
BLM S82 D13	34	32-75	-114 32-53	3454 CA	979416.10	19.50 -117.80 -1.15	0.00	46.50	-52.95 -46.62
BLM C81 G29	34	32-80	-114 6-94	3109 AZ	979430.68	4.31 -106.04 -1.07	0.00	28.57	-74.22 -67.68
BLM C81 G13	34	32-82	-114 10-46	4473 AZ	979344.32	14.35 -152.73 -1.34	0.00	70.90	-68.82 -59.93

Crossman Peak - Chemehuevi Mountain Wilderness Study

station identification proj sta-id	l o c a t i o n s		ele (in ft)	st	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		
	latitude deg min	longitude deg min				terrain bouguer	curv		special	complete-bouguer d1=2.67 d2=2.50	
BLM C20 M50	34 32.88	-114 14.70	2310	CA	979694.62	2.55	-78.79	0.00	6.76	-70.33	-65.43
BLM C81 C43	34 32.91	-114 29.19	1170	CA	979694.66	1.95	-39.90	0.00	-11.90	-50.34	-47.89
BLM C81 G5	34 32.92	-114 11.27	5100	AZ	979694.67	26.62	-173.95	0.00	83.05	-65.70	-56.23
BLM S82 BC59	34 33.02	-114 48.56	1535	CA	979522.86	0.06	-52.35	0.00	-27.57	-80.48	-77.11
BLM S92 3C66	34 33.05	-114 48.17	1520	CA	979524.25	0.04	-51.84	0.00	-27.63	-80.03	-76.70
BLM C80 M21	34 33.06	-114 6.30	2570	CA	979462.93	2.12	-87.65	0.00	9.78	-76.69	-71.18
BLM C80 M47	34 33.06	-114 12.60	3175	CA	979434.78	6.56	-108.29	0.00	38.52	-64.30	-57.75
BLM C80 M49	34 33.06	-114 13.50	2710	CA	979462.39	4.03	-92.43	0.00	22.40	-66.97	-61.28
BLM S82 D17	34 33.13	-114 33.71	3694	CA	979394.92	24.93	-125.99	0.00	47.36	-54.90	-48.39
BLM S82 RC25	34 33.14	-114 38.67	1688	CA	979522.28	0.17	-57.57	0.00	-13.93	-71.99	-68.30
BLM C81 G26	34 33.17	-114 8.13	3670	AZ	979395.53	8.80	-125.17	0.00	45.65	-71.92	-64.43
BLM C81 C5	34 33.19	-114 31.13	2620	CA	979481.93	5.10	-89.36	0.00	33.29	-51.91	-46.49
BLM C81 C44	34 33.21	-114 28.32	985	CA	979584.89	1.07	-33.59	0.00	-17.55	-50.48	-48.38
BLM C81 G27	34 33.28	-114 7.64	3558	AZ	979402.22	8.21	-121.35	0.00	41.65	-72.66	-65.38
BLM C80 M53	34 33.30	-114 16.56	1715	CA	979524.41	1.37	-58.49	0.00	-9.48	-67.27	-63.59
BLM S82 D19	34 33.30	-114 30.65	3132	CA	979442.95	15.42	-106.82	0.00	42.31	-50.17	-44.28
BLM S82 RC34	34 33.30	-114 38.44	1720	CA	979521.12	0.19	-58.66	0.00	-12.31	-71.45	-67.69
BLM C81 G19	34 33.41	-114 10.05	3902	AZ	979394.31	6.36	-129.67	0.00	56.51	-67.53	-59.63
BLM C81 C17	34 33.48	-114 36.05	2220	CA	979498.92	2.02	-75.72	0.00	12.16	-62.36	-57.62
BLM S82 BC60	34 33.58	-114 48.47	1566	CA	979524.41	0.07	-53.41	0.00	-23.89	-77.85	-74.42
BLM C80 M13	34 33.60	-114 15.66	2235	CA	979491.27	3.86	-76.23	0.00	5.86	-67.35	-62.69
BLM C81 G6	34 33.69	-114 12.05	4360	AZ	979357.60	12.84	-148.71	0.00	71.86	-65.33	-56.59
BLM C80 M62	34 33.71	-114 10.20	3310	CA	979427.16	5.26	-112.89	0.00	42.68	-66.07	-59.15
BLM C81 C45	34 33.81	-114 27.92	980	CA	979591.39	1.07	-30.01	0.00	-21.76	-51.07	-49.20
BLM S82 RC01	34 33.83	-114 38.62	1744	CA	979520.00	0.20	-59.48	0.00	-11.91	-71.88	-68.06
BLM S92 D25	34 33.87	-114 34.37	3016	CA	979453.04	6.74	-102.87	0.00	40.68	-56.49	-50.30
BLM C81 G20	34 33.94	-114 10.69	4060	AZ	979377.17	9.66	-138.47	0.00	62.88	-67.21	-58.93
BLM C80 M54	34 33.96	-114 16.20	2000	CA	979511.10	1.86	-68.21	0.00	3.08	-64.04	-59.76
BLM S82 D20	34 34.07	-114 29.38	2463	CA	979492.05	9.20	-84.01	0.00	27.41	-48.30	-43.48
BLM S82M3113	34 34.08	-114 9.08	2888	AZ	979449.99	3.17	-98.50	0.00	25.31	-71.04	-64.91
BLM C80 M55	34 34.08	-114 16.74	1795	CA	979522.32	1.45	-61.22	0.00	-5.15	-65.62	-61.77
BLM C81 C24	34 34.12	-114 36.57	2030	CA	979510.68	0.93	-69.24	0.00	5.25	-63.83	-59.43
BLM C81 C34	34 34.13	-114 32.92	1920	CA	979529.73	4.20	-62.07	0.00	4.54	-54.03	-50.30
BLM S82 RC26	34 34.14	-114 38.58	1769	CA	979518.79	0.23	-60.34	0.00	-11.21	-72.00	-68.13
BLM C81 G21	34 34.19	-114 9.99	3700	AZ	979400.47	6.34	-126.20	0.00	51.98	-69.08	-61.37
BLM C81 C87	34 34.21	-114 31.53	1570	CA	979548.22	4.24	-53.55	0.00	-0.60	-50.52	-47.34
BLM S82 BC61	34 34.21	-114 48.44	1609	CA	979525.33	0.11	-54.88	0.00	-19.82	-75.22	-71.69
BLM C80 M17	34 34.25	-114 8.70	2715	CA	979459.97	3.41	-92.60	0.00	16.76	-71.40	-65.66
BLM S82M3112	34 34.26	-114 9.91	2776	AZ	979456.82	3.05	-94.68	0.00	21.35	-71.27	-65.37
BLM C80 M61	34 34.26	-114 14.76	2660	CA	979466.59	4.91	-90.72	0.00	20.21	-66.56	-61.03

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station identification proj sta-id	latitude deg min	longitude deg min	ele (in ft)	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 terrain bouguer curv	free air	a n o m a l i e s complete-bouguer df=2.67 d2=2.50			
BLM C81 G8	34 34.27	-114 13.47	4340	AZ	979357.87	979696.57	17.23	-146.02 -1.32	69.43	-62.68	-54.27
BLM S82M811	34 34.46	-114 3.79	2697	AZ	979461.20	979696.84	2.88	-91.99 -0.96	18.02	-72.05	-66.32
BLM C81 C13	34 34.48	-114 35.28	2398	CA	979491.49	979696.87	2.55	-81.79 -0.83	20.17	-59.95	-54.85
BLM C80 M57	34 34.50	-114 18.06	1480	CA	979543.19	979696.90	0.97	-50.48 -0.59	0.00	-64.60	-61.41
BLM C81 G22	34 34.52	-114 10.81	3480	AZ	979419.63	979696.92	5.89	-118.69 -1.16	49.99	-63.97	-56.71
BLM S32 RC27	34 34.59	-114 38.53	1308	CA	979518.46	979697.02	0.27	-61.66 -0.70	0.00	-70.60	-66.65
BLM C31 C46	34 34.62	-114 27.82	1134	CA	979576.80	979697.06	1.85	-38.68 -0.46	0.00	-50.89	-48.52
BLM S82M8110	34 34.64	-114 8.72	2625	AZ	979465.32	979697.09	3.25	-89.53 -0.95	0.00	-72.11	-66.56
BLM S82 D25	34 34.64	-114 34.13	3167	CA	979441.64	979697.09	10.14	-108.02 -1.08	0.00	-56.56	-50.26
BLM C80 M10	34 34.73	-114 11.10	2955	CA	979454.21	979697.22	4.22	-100.79 -1.03	0.00	-62.69	-56.47
BLM C80 M11	34 34.73	-114 12.36	3055	CA	979448.20	979697.22	5.16	-104.20 -1.06	0.00	-61.79	-55.42
BLM C81 C23	34 34.83	-114 36.84	2064	CA	979512.03	979697.36	0.90	-70.40 -0.78	0.00	-61.48	-57.00
BLM S82M8109	34 34.85	-114 8.58	2583	AZ	979467.38	979697.39	2.58	-88.10 -0.93	0.00	-73.52	-68.02
BLM C80 M58	34 34.86	-114 18.24	1520	CA	979542.43	979697.40	0.94	-51.84 -0.60	0.00	-63.51	-60.23
BLM S82 BC62	34 34.86	-114 48.38	1659	CA	979523.82	979697.40	0.17	-56.58 -0.65	0.00	-74.60	-70.97
BLM S82 BC88	34 34.89	-114 41.52	1606	CA	979516.46	979697.45	0.05	-54.78 -0.63	0.00	-85.28	-81.76
BLM C81 C85	34 34.91	-114 32.44	1455	CA	979555.80	979697.47	2.45	-49.63 -0.58	0.00	-52.57	-49.53
BLM S82 RC28	34 34.94	-114 38.44	1982	CA	979516.10	979697.52	0.43	-64.19 -0.72	0.00	-68.88	-64.78
BLM C80 M16	34 34.98	-114 7.74	2395	CA	979475.07	979697.57	2.15	-81.69 -0.88	0.00	-77.66	-72.54
BLM C80 M59	34 34.98	-114 18.78	1400	CA	979550.46	979697.57	0.87	-47.75 -0.56	0.00	-62.86	-59.84
BLM S82M8108	34 35.03	-114 8.47	2552	AZ	979468.89	979697.64	2.15	-87.04 -0.92	0.00	-74.55	-69.08
BLM C81 G23	34 35.16	-114 8.94	2930	AZ	979447.24	979697.83	5.10	-99.93 -1.03	0.00	-70.87	-64.77
BLM C80 M60	34 35.16	-114 16.44	2040	CA	979510.42	979697.83	2.21	-69.58 -0.77	0.00	-63.67	-59.33
BLM S82 BC87	34 35.17	-114 41.18	1641	CA	979515.25	979697.84	0.08	-55.97 -0.64	0.00	-84.77	-81.17
BLM S82 M886	34 35.21	-114 8.44	2520	AZ	979470.28	979697.90	1.74	-85.95 -0.92	0.00	-75.73	-70.31
BLM C80 M8	34 35.21	-114 11.94	2820	CA	979462.49	979697.90	3.02	-96.18 -1.00	0.00	-64.34	-58.34
BLM C81 C48	34 35.21	-114 28.19	947	CA	979593.53	979697.90	0.93	-32.30 -0.39	0.00	-47.05	-45.03
BLM C81 G3	34 35.34	-114 15.85	2788	AZ	979461.60	979698.08	6.31	-95.09 -0.99	0.00	-64.03	-58.32
BLM C81 C49	34 35.38	-114 29.77	1055	CA	979587.49	979698.13	2.36	-35.98 -0.43	0.00	-45.46	-43.29
BLM S82M8107	34 35.40	-114 8.29	2476	AZ	979471.67	979698.16	1.38	-84.45 -0.90	0.00	-77.59	-72.24
BLM S82 BC86	34 35.46	-114 40.85	1679	CA	979514.91	979698.25	0.10	-57.26 -0.66	0.00	-83.23	-79.55
BLM S82 M837	34 35.48	-114 8.13	2435	AZ	979472.24	979698.27	1.24	-83.05 -0.89	0.00	-79.72	-74.45
BLM C80 M9	34 35.52	-114 11.34	2675	CA	979471.39	979698.33	2.57	-91.24 -0.96	0.00	-64.98	-59.27
BLM S82 BC63	34 35.52	-114 48.36	1714	CA	979519.49	979698.33	0.15	-58.46 -0.67	0.00	-76.60	-72.85
BLM C81 C6	34 35.54	-114 31.57	1400	CA	979569.75	979698.36	0.85	-47.75 -0.56	0.00	-44.38	-41.36
BLM S82 D21	34 35.55	-114 30.74	1925	CA	979528.27	979698.38	6.05	-65.66 -0.74	0.00	-49.38	-45.54
BLM C80 M14	34 35.58	-114 9.84	2505	CA	979477.23	979698.41	2.50	-85.44 -0.91	0.00	-69.43	-64.09
BLM S82 3C85	34 35.62	-114 40.65	1698	CA	979516.18	979698.47	0.11	-57.91 -0.66	0.00	-81.05	-77.33
BLM S82M8106	34 35.65	-114 7.91	2386	AZ	979472.35	979698.52	1.07	-81.38 -0.88	0.00	-82.94	-77.77
BLM C80 M15	34 35.69	-114 9.05	2365	CA	979482.40	979698.57	1.61	-80.66 -0.87	0.00	-73.66	-68.57

Crossman Peak - Chemehuevi Mountain Wilderness Study

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	latitude	longitude	ele	observed	theoretical	terrain	bouguer	curv	special
proj	sta-id	deg	min	deg	min	(in ft)			
BLM S82	D22	34	36.71	-114	30.17	1748	CA	979543.76	979700.01
BLM S82	M891	34	36.76	-114	6.70	2032	AZ	979485.62	979700.08
BLM C41	C52	34	36.80	-114	27.91	710	CA	979610.29	979700.13
BLM C80	M3	34	36.84	-114	14.64	2190	CA	979506.10	979700.19
BLM S82	8C81	34	36.84	-114	39.14	1863	CA	979527.76	979700.19
BLM C41	C21	34	36.87	-114	36.17	2790	CA	979470.14	979700.23
BLM S82M102		34	36.89	-114	6.59	2057	AZ	979486.07	979700.26
BLM S82	8C80	34	36.91	-114	38.90	1891	CA	979527.31	979700.29
BLM C40	M7	34	36.96	-114	12.24	2060	CA	979508.59	979700.36
BLM C81	C55	34	36.96	-114	29.21	1648	CA	979549.44	979700.36
BLM S82M152		34	37.00	-114	10.38	2277	AZ	979487.23	979700.41
BLM S82	8C79	34	37.03	-114	38.71	1910	CA	979527.32	979700.46
BLM S82	8C78	34	37.05	-114	38.41	1949	CA	979525.39	979700.48
BLM S82	M892	34	37.07	-114	6.40	2020	AZ	979487.24	979700.52
BLM S83G2925		34	37.07	-114	11.45	2270	AZ	979491.79	979700.52
BLM C81	C54	34	37.08	-114	28.36	1080	CA	979585.46	979700.53
BLM S82M101		34	37.17	-114	6.19	1992	AZ	979487.35	979700.66
BLM S82	M893	34	37.37	-114	5.98	1962	AZ	979488.27	979700.94
BLM S83G2905		34	37.37	-114	11.12	2225	AZ	979491.35	979700.94
BLM S83G2935		34	37.39	-114	11.89	2147	AZ	979498.50	979700.96
BLM S82M9153		34	37.42	-114	10.19	2179	AZ	979490.71	979701.01
BLM S82	8C90	34	37.48	-114	38.21	1994	CA	979525.33	979701.09
BLM S82M100		34	37.51	-114	5.85	1940	AZ	979488.22	979701.13
BLM C81	C57	34	37.64	-114	28.45	972	CA	979595.42	979701.32
BLM S82	M894	34	37.69	-114	5.69	1926	AZ	979487.59	979701.39
BLM S83G2895		34	37.79	-114	11.21	2112	AZ	979497.16	979701.53
BLM C81	C58	34	37.84	-114	29.66	1297	CA	979575.64	979701.60
BLM S82M154		34	37.95	-114	10.21	2080	AZ	979496.16	979701.61
BLM S83G2945		34	37.85	-114	12.42	1994	AZ	979506.77	979701.61
BLM S82	M695	34	37.89	-114	5.67	1904	AZ	979487.96	979701.67
BLM S82	M896	34	38.06	-114	5.54	1389	AZ	979488.21	979701.91
BLM S83G2885		34	38.19	-114	11.41	2069	AZ	979502.41	979702.09
BLM S82	M897	34	38.26	-114	5.47	1861	AZ	979488.32	979702.19
BLM S82M155		34	38.27	-114	10.17	1995	AZ	979502.93	979702.20
BLM S83G2955		34	38.32	-114	12.84	1883	AZ	979512.25	979702.27
BLM S82	M898	34	38.42	-114	5.28	1953	AZ	979487.07	979702.41
BLM C81	C26	34	38.48	-114	36.84	2081	CA	979526.87	979702.50
BLM S83G2875		34	38.56	-114	11.59	1931	AZ	979506.08	979702.61
BLM S82	M899	34	38.60	-114	5.14	1839	AZ	979485.74	979702.67
BLM S82M156		34	38.73	-114	10.21	1914	AZ	979506.49	979702.85
BLM S82	D22	34	36.71	-114	30.17	1748	CA	979543.76	979700.01
BLM S82	M891	34	36.76	-114	6.70	2032	AZ	979485.62	979700.08
BLM C41	C52	34	36.80	-114	27.91	710	CA	979610.29	979700.13
BLM C80	M3	34	36.84	-114	14.64	2190	CA	979506.10	979700.19
BLM S82	8C81	34	36.84	-114	39.14	1863	CA	979527.76	979700.19
BLM C41	C21	34	36.87	-114	36.17	2790	CA	979470.14	979700.23
BLM S82M102		34	36.89	-114	6.59	2057	AZ	979486.07	979700.26
BLM S82	8C80	34	36.91	-114	38.90	1891	CA	979527.31	979700.29
BLM C40	M7	34	36.96	-114	12.24	2060	CA	979508.59	979700.36
BLM C81	C55	34	36.96	-114	29.21	1648	CA	979549.44	979700.36
BLM S82M152		34	37.00	-114	10.38	2277	AZ	979487.23	979700.41
BLM S82	8C79	34	37.03	-114	38.71	1910	CA	979527.32	979700.46
BLM S82	8C78	34	37.05	-114	38.41	1949	CA	979525.39	979700.48
BLM S82	M892	34	37.07	-114	6.40	2020	AZ	979487.24	979700.52
BLM S83G2925		34	37.07	-114	11.45	2270	AZ	979491.79	979700.52
BLM C81	C54	34	37.08	-114	28.36	1080	CA	979585.46	979700.53
BLM S82M101		34	37.17	-114	6.19	1992	AZ	979487.35	979700.66
BLM S82	M893	34	37.37	-114	5.98	1962	AZ	979488.27	979700.94
BLM S83G2905		34	37.37	-114	11.12	2225	AZ	979491.35	979700.94
BLM S83G2935		34	37.39	-114	11.89	2147	AZ	979498.50	979700.96
BLM S82M9153		34	37.42	-114	10.19	2179	AZ	979490.71	979701.01
BLM S82	8C90	34	37.48	-114	38.21	1994	CA	979525.33	979701.09
BLM S82M100		34	37.51	-114	5.85	1940	AZ	979488.22	979701.13
BLM C81	C57	34	37.64	-114	28.45	972	CA	979595.42	979701.32
BLM S82	M894	34	37.69	-114	5.69	1926	AZ	979487.59	979701.39
BLM S83G2895		34	37.79	-114	11.21	2112	AZ	979497.16	979701.53
BLM C81	C58	34	37.84	-114	29.66	1297	CA	979575.64	979701.60
BLM S82M154		34	37.95	-114	10.21	2080	AZ	979496.16	979701.61
BLM S83G2945		34	37.85	-114	12.42	1994	AZ	979506.77	979701.61
BLM S82	M695	34	37.89	-114	5.67	1904	AZ	979487.96	979701.67
BLM S82	M896	34	38.06	-114	5.54	1389	AZ	979488.21	979701.91
BLM S83G2885		34	38.19	-114	11.41	2069	AZ	979502.41	979702.09
BLM S82	M897	34	38.26	-114	5.47	1861	AZ	979488.32	979702.19
BLM S82M155		34	38.27	-114	10.17	1995	AZ	979502.93	979702.20
BLM S83G2955		34	38.32	-114	12.84	1883	AZ	979512.25	979702.27
BLM S82	M898	34	38.42	-114	5.28	1953	AZ	979487.07	979702.41
BLM C81	C26	34	38.48	-114	36.84	2081	CA	979526.87	979702.50
BLM S83G2875		34	38.56	-114	11.59	1931	AZ	979506.08	979702.61
BLM S82	M899	34	38.60	-114	5.14	1839	AZ	979485.74	979702.67
BLM S82M156		34	38.73	-114	10.21	1914	AZ	979506.49	979702.85

Crossman Peak - Chemehuevi Mountain Wilderness Study

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	proj sta-id	latitude deg min	longitude deg min	ele (in ft)	st	observed	theoretical	terrain bouguer curv	special	free air	complete-bouguer			
										d1=2.67	d2=2.50			
8LM C81	C59	34 38.75	-114 29.41	1156	CA	979586.13	979702.88	1.02	-39.43	-0.47	0.00	-7.97	-46.85	-44.37
8LM S83G3175		34 38.93	-114 16.61	1581	AZ	979537.92	979702.99	0.48	-53.92	-0.62	0.00	-16.37	-70.43	-66.99
8LM C81	C72	34 38.33	-114 28.24	790	CA	979608.87	979702.99	0.71	-26.94	-0.33	0.00	-19.81	-46.38	-44.69
8LM S83G3165		34 38.21	-114 16.91	1570	AZ	979537.49	979703.11	0.42	-53.55	-0.62	0.00	-17.94	-71.69	-68.27
9LM S83G2835		34 38.92	-114 11.92	1844	AZ	979510.64	979703.12	0.47	-62.89	-0.71	0.00	-19.04	-82.17	-78.15
8LM S83G3215		34 39.96	-114 19.16	1455	AZ	979549.84	979703.18	0.28	-49.63	-0.58	0.00	-16.48	-66.40	-63.22
9LM S82 D15		34 39.07	-114 33.03	2214	CA	979511.58	979703.33	7.41	-75.51	-0.83	0.00	16.48	-52.45	-48.06
8LM S82MB157		34 39.10	-114 10.32	1954	AZ	979509.83	979703.38	0.40	-63.23	-0.71	0.00	-19.17	-82.71	-78.67
8LM C81	C32	34 39.19	-114 34.25	2600	CA	979494.18	979703.50	5.63	-88.68	-0.94	0.00	35.22	-48.77	-43.42
8LM C81	C34	34 39.32	-114 33.36	2716	CA	979495.68	979703.68	5.27	-92.63	-0.97	0.00	37.44	-50.89	-45.27
8LM S83G2855		34 39.33	-114 12.09	1763	AZ	979513.50	979703.70	0.40	-60.13	-0.68	0.00	-24.37	-84.79	-80.94
8LM S83G3155		34 39.33	-114 16.92	1508	AZ	979538.01	979703.70	0.34	-51.43	-0.60	0.00	-23.85	-75.54	-72.25
8LM S82 D23		34 39.37	-114 35.23	2866	CA	979473.26	979703.75	9.31	-97.75	-1.01	0.00	39.05	-50.40	-44.70
8LM S83G2965		34 39.39	-114 13.84	1679	AZ	979522.46	979703.78	0.42	-57.26	-0.66	0.00	-23.40	-80.90	-77.24
8LM S83G3205		34 39.48	-114 18.92	1415	AZ	979547.30	979703.91	0.20	-48.26	-0.57	0.00	-23.52	-72.14	-69.05
8LM C81	C27	34 39.50	-114 36.63	2000	CA	979535.80	979703.94	1.34	-68.21	-0.76	0.00	19.97	-47.66	-43.36
8LM S82MB158		34 39.55	-114 10.51	1760	AZ	979513.44	979704.01	0.39	-60.03	-0.68	0.00	-25.03	-85.35	-81.51
8LM C81	C36	34 39.58	-114 30.99	1452	CA	979567.63	979704.05	1.00	-49.52	-0.58	0.00	0.16	-48.94	-45.82
8LM C81	C62	34 39.60	-114 27.95	520	CA	979622.48	979704.08	1.57	-17.74	-0.22	0.00	-32.68	-49.07	-48.02
8LM S83G3225		34 39.62	-114 19.42	1401	AZ	979549.06	979704.11	0.18	-47.78	-0.56	0.00	-23.27	-71.43	-68.36
9LM S83G2975		34 39.63	-114 13.39	1666	AZ	979521.18	979704.12	0.38	-56.82	-0.65	0.00	-26.24	-83.33	-79.70
8LM S83G2845		34 39.73	-114 12.29	1695	AZ	979515.39	979704.26	0.37	-57.81	-0.66	0.00	-29.44	-87.55	-83.85
8LM C31	C60	34 39.73	-114 28.43	635	CA	979617.07	979704.26	1.00	-21.66	-0.27	0.00	-27.46	-68.39	-67.06
8LM S83G3145		34 39.75	-114 17.21	1454	AZ	979539.50	979704.29	0.27	-49.59	-0.58	0.00	-28.03	-77.93	-74.75
8LM S82 D16		34 39.83	-114 31.00	1718	CA	979550.09	979704.40	2.55	-58.60	-0.67	0.00	7.28	-49.63	-45.82
8LM C81	C30	34 39.86	-114 35.34	2439	CA	979509.30	979704.45	4.54	-83.19	-0.89	0.00	34.25	-45.29	-40.23
8LM C81	C33	34 39.87	-114 33.53	2491	CA	979501.93	979704.46	7.35	-84.96	-0.91	0.00	31.76	-46.76	-41.76
8LM S83G3125		34 39.91	-114 18.73	1379	AZ	979545.17	979704.52	0.19	-47.03	-0.55	0.00	-29.64	-77.03	-74.01
9LM S82MB159		34 39.96	-114 10.75	1720	AZ	979514.83	979704.59	0.42	-58.66	-0.67	0.00	-27.98	-86.89	-83.14
9LM C81	C61	34 39.98	-114 27.92	550	CA	979622.41	979704.61	0.94	-18.76	-0.24	0.00	-30.46	-48.52	-47.37
8LM C81	C64	34 40.03	-114 29.03	1080	CA	979591.44	979704.69	0.93	-36.84	-0.44	0.00	-11.66	-68.01	-65.69
9LM S83G3005		34 40.04	-114 11.12	1702	AZ	979514.06	979704.70	0.37	-58.05	-0.66	0.00	-30.55	-88.89	-85.18
8LM S83G3135		34 40.06	-114 17.46	1396	AZ	979541.66	979704.73	0.24	-47.61	-0.56	0.00	-31.75	-79.69	-76.63
8LM S82MB160		34 40.07	-114 10.42	1717	AZ	979517.69	979704.74	0.51	-58.56	-0.67	0.00	-25.55	-84.28	-80.54
8LM S83G2835		34 40.15	-114 12.49	1432	AZ	979518.27	979704.85	0.33	-55.66	-0.64	0.00	-33.08	-89.05	-85.49
8LM C31	C63	34 40.21	-114 28.00	560	CA	979622.64	979704.94	1.02	-19.10	-0.24	0.00	-29.62	-47.94	-46.77
8LM S83G3185		34 40.28	-114 18.56	1350	AZ	979543.49	979705.04	0.18	-46.04	-0.54	0.00	-34.56	-80.97	-78.01
8LM C81	C65	34 40.34	-114 29.93	990	CA	979595.21	979705.12	2.23	-33.77	-0.41	0.00	-16.79	-48.73	-46.70
9LM S83G3125		34 40.37	-114 17.72	1359	AZ	979542.35	979705.19	0.19	-46.69	-0.55	0.00	-34.07	-81.12	-78.13
8LM S83G2945		34 40.41	-114 12.02	1641	AZ	979517.53	979705.22	0.31	-55.97	-0.64	0.00	-33.34	-89.64	-86.06

Crossman Peak - Chamehuevo Mountain Wilderness Study

station identification proj sta-id	latitude deg	longitude deg	altitude min	ele (in ft)	observed	gravitational theoretical	terrain	correction bouguer	curvature	special	free air	anomalies complete-bouguer d1=2.67 d2=2.50
BLM C81 C28	34 40.42	-114 36.42	1677	CA	979563.36	979705.23	1.52	-57.20	-0.66	0.00	15.86	-40.47 -36.89
BLM Sd3G299S	34 40.53	-114 11.54	1653	AZ	979517.60	979705.39	0.32	-56.38	-0.65	0.00	-32.31	-89.02 -85.40
BLM Sd2M8161	34 40.65	-114 10.22	1770	AZ	979516.03	979705.55	0.38	-60.37	-0.69	0.00	-23.04	-83.72 -79.86
BLM Sd3G301S	34 40.66	-114 10.21	1771	AZ	979516.03	979705.57	0.38	-60.40	-0.69	0.00	-22.96	-83.67 -79.81
BLM Sd3G311S	34 40.67	-114 17.88	1322	AZ	979546.48	979705.59	0.18	-45.09	-0.53	0.00	-34.75	-80.20 -77.30
BLM Sd3G302S	34 40.69	-114 16.34	1307	AZ	979546.84	979705.62	0.17	-44.58	-0.53	0.00	-35.83	-80.77 -77.91
BLM C81 C71	34 40.82	-114 28.26	635	CA	979619.87	979705.80	1.19	-21.66	-0.27	0.00	-26.20	-46.94 -45.62
BLM C81 C29	34 40.84	-114 35.21	1591	CA	979566.72	979705.83	2.39	-54.26	-0.63	0.00	10.54	-41.96 -38.62
BLM Sd3G270S	34 40.85	-114 9.41	1898	AZ	979508.42	979705.84	0.40	-64.74	-0.73	0.00	-18.90	-83.96 -79.82
BLM Sd2M8149	34 40.85	-114 9.44	1900	AZ	979508.39	979705.84	0.39	-64.80	-0.73	0.00	-18.74	-83.88 -79.74
BLM Sd3G303S	34 41.02	-114 18.19	1282	AZ	979553.57	979706.08	0.16	-43.72	-0.52	0.00	-31.92	-76.01 -73.20
BLM C81 C66	34 41.11	-114 29.39	790	CA	979607.71	979706.20	2.40	-26.94	-0.33	0.00	-24.18	-49.06 -47.48
BLM Sd3G271S	34 41.16	-114 9.25	1367	AZ	979510.14	979706.27	0.46	-63.68	-0.72	0.00	-20.53	-84.47 -80.40
BLM Sd3G304S	34 41.37	-114 18.07	1255	AZ	979554.76	979706.57	0.15	-42.80	-0.51	0.00	-33.77	-76.93 -74.18
BLM Sd3G272S	34 41.39	-114 9.04	1834	AZ	979512.14	979706.60	0.43	-62.55	-0.71	0.00	-21.96	-84.79 -80.79
BLM C81 C68	34 41.43	-114 29.32	1050	CA	979590.39	979706.66	1.14	-35.81	-0.43	0.00	-17.50	-52.60 -50.37
BLM C81 C35	34 41.68	-114 33.14	1249	CA	979584.60	979707.01	2.47	-42.60	-0.51	0.00	-4.93	-45.56 -42.97
BLM Sd3G273S	34 41.71	-114 8.91	1756	AZ	979516.30	979707.05	0.50	-59.89	-0.68	0.00	-25.59	-85.66 -81.84
BLM Sd3G305S	34 41.75	-114 18.01	1217	AZ	979557.54	979707.11	0.14	-41.51	-0.49	0.00	-35.10	-76.96 -74.29
BLM C81 C67	34 41.82	-114 28.30	480	CA	979626.82	979707.20	1.60	-16.37	-0.21	0.00	-35.24	-50.21 -49.26
BLM Sd3G274S	34 42.05	-114 8.70	1698	AZ	979519.03	979707.53	0.43	-57.91	-0.66	0.00	-28.79	-86.94 -83.23
BLM Sd3G306S	34 42.09	-114 18.05	1168	AZ	979561.31	979707.59	0.16	-39.84	-0.48	0.00	-36.41	-76.56 -74.01
BLM C81 C69	34 42.41	-114 28.71	771	CA	979608.56	979708.04	1.11	-26.30	-0.32	0.00	-26.95	-52.46 -50.84
BLM Sd3G275S	34 42.42	-114 8.57	1641	AZ	979517.91	979708.05	0.36	-55.97	-0.64	0.00	-35.79	-92.04 -88.46
BLM Sd3G307S	34 42.48	-114 18.20	1128	AZ	979564.28	979708.14	0.21	-38.47	-0.46	0.00	-37.75	-76.48 -74.01
BLM Sd3G276S	34 42.70	-114 8.46	1605	AZ	979516.64	979708.45	0.34	-54.74	-0.63	0.00	-40.84	-95.88 -92.37
BLM Sd3G308S	34 42.87	-114 18.43	1088	AZ	979566.92	979708.69	0.19	-37.11	-0.45	0.00	-39.43	-76.79 -74.41
BLM Sd3G277S	34 43.03	-114 8.26	1574	AZ	979514.23	979708.91	0.38	-53.68	-0.62	0.00	-46.63	-100.56 -97.12
BLM Sd3G279S	34 43.04	-114 7.65	1624	AZ	979510.60	979708.93	0.38	-55.39	-0.64	0.00	-45.58	-101.22 -97.68
BLM Sd3G309S	34 43.22	-114 18.64	1056	AZ	979567.67	979709.18	0.19	-36.02	-0.43	0.00	-42.18	-78.44 -76.13
BLM Sd3G278S	34 43.46	-114 8.04	1610	AZ	979508.56	979709.52	0.35	-54.91	-0.63	0.00	-49.52	-104.72 -101.20
BLM Sd3G310S	34 43.60	-114 18.83	1022	AZ	979567.78	979709.72	0.19	-34.86	-0.42	0.00	-45.80	-80.89 -78.66
BLM Sd3G280S	34 43.75	-114 7.89	1638	AZ	979504.39	979709.93	0.35	-55.87	-0.64	0.00	-51.47	-107.63 -104.05
BLM Sd3G281S	34 44.09	-114 7.80	1661	AZ	979500.97	979710.41	0.37	-56.65	-0.65	0.00	-53.21	-110.14 -106.52
BLM Sd3G282S	34 44.45	-114 7.72	1690	AZ	979498.85	979710.91	0.39	-57.64	-0.66	0.00	-53.11	-111.02 -107.33

Appendix C

Column headings for principal facts listed in Appendix C.

Station Identification	Stations prefixed by NOAA were obtained through NOAA, National Geophysical and Solar-Terrestrial Data Center, Boulder, CO 80302. Stations prefixed by CAL were obtained from the California gravity data file (Snyder and others, 1982a,1982b).
Latitude	North latitude in degrees and minutes.
Longitude	West longitude in degrees and minutes.
Ele	Elevation in feet (all elevations rounded to nearest foot).
St	State: AZ = Arizona, CA = California.
Observed Gravity	Measured gravity value in mGal.
Theoretical Gravity	Value at sea level in mGal calculated using the Geodetic Reference System 1967 formula (International Association of Geodesy, 1971).
Terrain Correction	Terrain corrections in mGal have been calculated to a distance of 166.7 km from a station using a reduction density of 2.67 g/cm^3 .
Bouguer Correction	Bouguer correction in mGal to sea level using a density of 2.67 g/cm^3 .
Curv Correction	Adjustment of Bouguer correction for curvature of the earth (Lambert, 1930). Correction calculated to a distance of 166.7 km from a station using a 2.67 g/cm^3 assumed density.
Special Correction	Not used.
Free Air Anomaly	Free air gravity anomaly in mGal.
Complete Bouguer Anomaly	Bouguer gravity anomaly in mGal using densities of 2.67 g/cm^3 and 2.50 g/cm^3 .

Crossman Peak - Chomehuuvi Mountain Wilderness Study

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								
identifiaction	proj sta-id	latitude	longitude	ele (in ft)	st	observed	theoretical	terrain bouguer	curv	special	free air	complete-bouguer				
		deg	min	deg	min							d1=2.67	d2=2.50			
CAL NDL	N52	34	17.35	-114	8.45	401	CA	979533.05	979672.80	1.10	-13.68	-0.17	0.00	-52.04	-64.79	-63.97
CAL X	113	34	17.57	-114	38.00	1268	CA	979529.70	979673.11	0.10	-43.25	-0.51	0.00	-24.14	-67.80	-65.02
CAL NDL	N22	34	17.65	-114	29.15	1714	CA	979511.60	979673.23	1.35	-58.46	-0.67	0.00	-0.40	-58.18	-54.50
CAL NDL	K10	34	17.70	-114	39.05	1300	CA	979525.89	979673.30	0.17	-44.34	-0.52	0.00	-25.12	-69.82	-66.97
NOAA 3277	64	34	17.80	-114	8.39	456	CA	979578.81	979673.44	0.72	-15.57	-0.20	0.00	-51.69	-66.73	-65.78
CAL X	141	34	17.96	-114	31.50	1995	CA	979494.22	979673.52	1.42	-68.04	-0.76	0.00	8.35	-59.04	-54.75
CAL NDL	V73	34	17.90	-114	15.41	1248	CA	979531.73	979673.58	1.71	-42.57	-0.51	0.00	-24.45	-65.81	-63.18
CAL NDL	N431	34	17.91	-114	15.44	1248	CA	979531.50	979673.59	1.72	-42.57	-0.51	0.00	-24.70	-66.05	-63.42
CAL X	115	34	18.20	-114	38.43	1307	CA	979524.78	979673.99	0.10	-44.58	-0.53	0.00	-26.28	-71.28	-68.42
CAL NDL	V69	34	18.20	-114	43.64	2033	CA	979474.80	979673.99	4.18	-69.34	-0.77	0.00	-7.98	-73.91	-69.71
NOAA 3277	67	34	18.50	-114	8.20	451	CA	979575.64	979674.41	0.49	-15.39	-0.19	0.00	-56.34	-71.43	-70.47
CAL X	138	34	18.70	-114	35.90	1493	CA	979518.17	979674.70	0.14	-50.92	-0.59	0.00	-16.09	-67.47	-64.20
CAL X	140	34	18.76	-114	32.00	1743	CA	979512.33	979674.78	0.43	-59.45	-0.68	0.00	1.49	-58.20	-54.40
CAL NDL	N83	34	18.90	-114	30.60	1721	CA	979512.10	979674.98	0.64	-58.70	-0.67	0.00	-1.00	-59.73	-55.99
CAL NDL	N63	34	19.20	-114	13.44	1019	CA	979546.29	979675.40	1.73	-34.76	-0.42	0.00	-33.26	-66.70	-64.57
CAL X	114	34	19.25	-114	38.81	1337	CA	979526.09	979675.47	0.10	-45.60	-0.54	0.00	-23.61	-69.65	-66.72
CAL NDL	N73	34	19.55	-114	39.15	1326	CA	979526.06	979675.89	0.14	-45.23	-0.53	0.00	-25.10	-70.72	-67.82
CAL X	116	34	19.92	-114	37.80	1362	CA	979524.71	979676.41	0.12	-46.45	-0.55	0.00	-23.58	-70.47	-67.48
CAL NDL	V68	34	19.95	-114	43.04	1580	CA	979501.54	979676.45	0.44	-53.89	-0.62	0.00	-26.30	-80.37	-76.93
CAL X	118	34	20.05	-114	39.15	1318	CA	979525.46	979676.59	0.10	-44.95	-0.53	0.00	-27.15	-72.54	-69.65
CAL X	295	34	20.06	-114	43.29	1603	CA	979500.47	979676.60	0.54	-54.67	-0.63	0.00	-25.36	-80.12	-76.63
NOAA 3683	30	34	20.09	-114	4.64	1244	AZ	979528.50	979676.65	2.20	-42.43	-0.50	0.00	-31.12	-71.86	-69.27
CAL X	117	34	20.20	-114	38.18	1318	CA	979526.70	979676.80	0.10	-44.95	-0.53	0.00	-26.12	-71.51	-68.62
CAL X	139	34	20.27	-114	34.02	1460	CA	979524.32	979676.90	0.13	-49.80	-0.58	0.00	-15.25	-65.50	-62.30
CAL X	137	34	20.40	-114	36.75	1390	CA	979525.14	979677.08	0.10	-47.41	-0.56	0.00	-21.20	-69.06	-66.01
CAL NDL	N94	34	20.46	-114	30.95	1537	CA	979519.01	979677.16	0.51	-52.42	-0.61	0.00	-13.59	-66.11	-62.76
CAL X	136	34	20.81	-114	37.25	1409	CA	979523.64	979677.66	0.09	-48.06	-0.56	0.00	-21.48	-70.01	-66.92
CAL NDL	N430	34	21.19	-114	26.66	1644	CA	979529.35	979678.19	1.91	-56.07	-0.64	0.00	5.80	-49.01	-45.52
CAL X	133	34	21.25	-114	33.61	1359	CA	979527.36	979678.27	0.13	-46.35	-0.55	0.00	-23.09	-69.85	-66.88
CAL NDL	N231	34	21.40	-114	39.24	1283	CA	979523.80	979678.48	0.11	-43.76	-0.52	0.00	-34.01	-78.17	-75.36
CAL X	132	34	21.42	-114	32.53	1402	CA	979524.68	979678.52	0.17	-47.82	-0.56	0.00	-21.96	-70.17	-67.10
NOAA 35981094	1094	34	21.59	-114	39.20	1267	CA	979526.79	979678.75	0.34	-43.90	-0.52	0.00	-30.90	-74.98	-72.17
CAL X	134	34	21.61	-114	35.46	1293	CA	979534.75	979678.78	0.06	-44.10	-0.52	0.00	-22.41	-66.97	-64.13
NOAA 3277	66	34	21.70	-114	9.40	772	CA	979563.82	979678.91	0.42	-26.33	-0.32	0.00	-42.47	-68.70	-67.03
CAL X	334	34	21.89	-114	27.83	1410	CA	979544.63	979679.17	0.44	-48.09	-0.56	0.00	-1.91	-50.13	-47.06
CAL X	135	34	22.12	-114	36.75	1262	CA	979534.43	979679.49	0.05	-43.04	-0.51	0.00	-26.36	-69.86	-67.09
CAL NDL	N69	34	22.15	-114	18.25	1054	CA	979552.52	979679.54	1.24	-36.97	-0.45	0.00	-25.05	-61.23	-58.92
CAL NDL	N85	34	22.15	-114	31.35	1309	CA	979539.42	979679.54	0.17	-44.65	-0.53	0.00	-16.99	-61.99	-59.13
CAL X	276	34	22.22	-114	44.85	1658	CA	979498.43	979679.63	0.71	-56.55	-0.65	0.00	-25.25	-81.74	-78.15
CAL X	119	34	22.30	-114	39.25	1250	CA	979528.20	979679.75	0.06	-42.63	-0.51	0.00	-33.97	-77.05	-74.30

Crossman Peak - Chemehuevi Mountain Wilderness Study

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	
identification	latitude	longitude	ele	observed	theoretical	terrain	bouguer	free	complete-bouguer
proj	sta-id	deg min	(in ft)	st			curv	air	d1=2.67 d2=2.50
CAL X	333	34 22.33	-114 27.08	1366	CA	979545.30	979679.79	0.00	-52.73 -49.76
CAL NDL	N230	34 22.35	-114 43.75	1573	CA	979502.07	979679.82	0.00	-29.79 -80.25
CAL X	120	34 22.38	-114 41.31	1353	CA	979517.90	979679.86	0.00	-34.70 -78.27
CAL NDL	N67	34 22.55	-114 19.40	1319	CA	979542.00	979680.10	0.00	-14.03 -54.50
CAL X	321	34 22.71	-114 30.87	1233	CA	979544.88	979680.32	0.00	-19.46 -59.16
NOAA 3683	32	34 22.79	-114 4.40	2667	AZ	979445.22	979680.44	0.00	-67.15 -61.88
CAL X	131	34 22.93	-114 31.97	1250	CA	979543.01	979680.49	0.00	-62.93 -60.19
CAL X	322	34 23.00	-114 30.46	1175	CA	979549.12	979680.73	0.00	-61.49 -58.92
CAL X	305	34 23.00	-114 35.72	1197	CA	979534.34	979680.73	0.00	-75.08 -72.45
CAL X	304	34 23.00	-114 36.72	1220	CA	979534.69	979680.73	0.00	-73.36 -70.68
CAL X	303	34 23.00	-114 37.78	1201	CA	979534.27	979680.73	0.00	-74.91 -72.27
CAL X	302	34 23.00	-114 38.84	1227	CA	979529.99	979680.73	0.00	-77.63 -74.94
CAL X	332	34 23.01	-114 27.30	1238	CA	979551.87	979680.74	0.00	-54.81 -52.11
CAL X	330	34 23.15	-114 23.26	1144	CA	979559.21	979680.94	0.00	-52.97 -50.49
CAL NDL	K11	34 23.17	-114 39.13	1226	CA	979529.56	979680.97	0.00	-78.32 -75.63
NOAA 3683	33	34 23.24	-114 0.80	1768	AZ	979504.05	979681.07	0.00	-67.63 -64.01
CAL X	329	34 23.93	-114 24.14	969	CA	979569.53	979682.04	0.00	-54.41 -52.30
CAL NDL	N69	34 24.05	-114 22.35	965	CA	979567.36	979682.20	0.00	-24.07 -56.78
CAL NDL	N86	34 24.06	-114 29.90	1058	CA	979557.03	979682.22	0.00	-25.67 -59.74
CAL X	323	34 24.08	-114 29.88	1056	CA	979557.08	979682.25	0.00	-25.84 -59.86
CAL X	331	34 24.34	-114 26.20	1002	CA	979566.95	979682.61	0.00	-55.76 -53.57
CAL X	328	34 24.51	-114 23.19	914	CA	979572.76	979682.85	0.00	-55.31 -53.32
NOAA 3683	48	34 24.70	-114 7.25	2498	CA	979461.17	979683.12	0.00	-65.96 -60.93
CAL X	130	34 25.00	-114 32.48	1031	CA	979557.35	979683.54	0.00	-66.73 -62.46
CAL NDL	N232	34 25.05	-114 39.05	1168	CA	979534.69	979683.61	0.00	-79.31 -76.75
CAL X	327	34 25.15	-114 24.60	817	CA	979571.59	979683.75	0.00	-57.26 -55.48
CAL X	335	34 25.29	-114 27.49	927	CA	979571.28	979683.95	0.00	-57.34 -55.31
CAL NDL	N71	34 25.45	-114 25.35	814	CA	979578.18	979684.17	0.00	-57.31 -55.53
CAL X	129	34 25.59	-114 32.56	956	CA	979564.87	979684.37	0.00	-62.52 -60.42
CAL NDL	N136	34 25.65	-114 32.65	955	CA	979565.41	979684.45	0.00	-62.05 -59.95
CAL X	317	34 25.78	-114 23.95	876	CA	979573.83	979684.63	0.00	-58.54 -56.62
NOAA 3683	54	34 25.79	-114 1.10	1544	AZ	979516.15	979684.65	0.00	-76.12 -72.75
CAL X	326	34 25.80	-114 26.27	922	CA	979578.88	979684.66	0.00	-56.68 -54.88
CAL X	336	34 25.89	-114 28.44	856	CA	979577.67	979684.79	0.00	-56.03 -54.16
CAL X	128	34 25.96	-114 32.76	974	CA	979563.61	979684.89	0.00	-63.23 -61.10
CAL X	127	34 26.03	-114 34.18	1034	CA	979559.15	979684.98	0.00	-66.24 -61.97
CAL X	122	34 26.04	-114 41.25	1211	CA	979535.05	979685.00	0.00	-77.78 -75.12
CAL X	121	34 26.05	-114 39.04	1140	CA	979538.27	979685.02	0.00	-78.83 -76.32
CAL X	337	34 26.38	-114 28.84	810	CA	979581.32	979685.48	0.00	-55.80 -54.03
CAL X	123	34 26.45	-114 44.08	1361	CA	979524.13	979685.58	0.00	-80.25 -77.27

Crossman Peak - Chemehuevi Mountain Wilderness Study

station identification proj sta-id	latitude deg min	longitude deg min	ele on s (in ft)	st observed	g r a v i t y theoretical	c o r r e c t i o n s		a n o m a l i e s complete-bouguer d1=2.67 d2=2.50
						terrain bouguer	curv special	
CAL NDLNC139	34 26.48	-114 45.15	1435	CA	979518.59	979685.62	0.21	-48.94 -0.57
CAL X 297	34 26.49	-114 35.69	1122	CA	979548.45	979685.63	0.02	-38.27 -0.46
CAL X 325	34 26.63	-114 27.96	802	CA	979584.51	979685.83	0.12	-27.35 -0.34
CAL X 316	34 26.68	-114 28.68	765	CA	979584.64	979685.90	0.18	-26.09 -0.32
CAL NDL K12	34 26.80	-114 39.03	1167	CA	979539.83	979686.07	0.05	-39.80 -0.48
CAL NDL N72	34 26.90	-114 28.45	754	CA	979586.39	979686.21	0.17	-25.72 -0.32
NOAA 3683 61	34 27.02	-114 16.12	892	CA	979558.13	979686.38	0.45	-30.43 -0.37
NOAA 3035 24	34 27.10	-114 22.19	490	CA	979589.77	979686.49	0.26	-16.72 -0.21
CAL X 315	34 27.38	-114 29.29	864	CA	979574.97	979686.88	0.11	-29.47 -0.36
CAL X 309	34 27.38	-114 33.59	1157	CA	979552.69	979686.88	0.07	-39.46 -0.47
CAL X 298	34 27.38	-114 35.70	1218	CA	979547.33	979686.98	0.03	-41.54 -0.49
NOAA 3683 53	34 27.59	-114 2.95	2522	AZ	979443.12	979687.18	4.62	-86.02 -0.92
CAL X 314	34 27.91	-114 30.20	977	CA	979564.00	979687.63	0.11	-33.32 -0.40
CAL X 324	34 27.95	-114 31.25	1049	CA	979557.74	979687.68	0.09	-35.78 -0.43
NOAA 3683 57	34 28.12	-114 20.24	519	CA	979582.94	979687.92	0.33	-17.70 -0.22
CAL X 299	34 28.16	-114 7.70	2021	CA	979490.39	979687.98	0.75	-68.93 -0.77
CAL NDLNC135	34 28.19	-114 26.50	575	CA	979591.02	979688.02	0.33	-23.02 -0.29
CAL X 300	34 28.23	-114 35.70	1313	CA	979545.02	979688.08	0.06	-44.78 -0.53
CAL X 299	34 28.23	-114 36.72	1317	CA	979542.76	979688.08	0.04	-44.92 -0.53
CAL X 301	34 28.23	-114 37.80	1308	CA	979540.43	979688.08	0.03	-44.61 -0.53
CAL X 308	34 28.25	-114 33.59	1255	CA	979548.91	979688.10	0.11	-42.80 -0.51
NOAA 3239N228	34 28.25	-114 45.89	1374	CA	979528.69	979688.10	0.12	-46.89 -0.55
CAL X 313	34 28.35	-114 31.16	1109	CA	979556.34	979688.24	0.15	-37.82 -0.45
CAL NDL N45	34 28.40	-114 32.30	1200	CA	979552.62	979688.31	0.15	-40.93 -0.49
NOAA 3683 60	34 28.49	-114 17.45	918	CA	979558.24	979688.45	0.49	-31.31 -0.38
CAL NDL N233	34 28.58	-114 39.00	1306	CA	979539.98	979688.57	0.06	-44.54 -0.53
CAL NDLNC134	34 28.75	-114 24.16	509	CA	979589.25	979688.80	1.81	-17.36 -0.22
NOAA 3635 55	34 28.85	-114 0.40	2299	AZ	979458.49	979688.95	3.11	-78.44 -0.85
CAL X 312	34 28.92	-114 32.08	1227	CA	979552.75	979689.05	0.19	-41.85 -0.50
CAL X 311	34 29.21	-114 33.69	1357	CA	979546.70	979689.45	0.18	-46.62 -0.55
CAL NDL N223	34 29.25	-114 45.90	1375	CA	979528.72	979689.51	0.08	-46.90 -0.55
CAL X 310	34 29.64	-114 34.65	1481	CA	979542.70	979690.06	0.24	-50.51 -0.59
NOAA 3683 56	34 29.65	-114 3.05	2805	AZ	979425.44	979690.07	3.45	-95.67 -0.99
CAL NDL N429	34 29.61	-114 33.92	1480	CA	979546.07	979690.44	0.30	-50.48 -0.59
NOAA 3259N229	34 30.05	-114 44.84	1273	CA	979540.77	979690.63	0.32	-43.45 -0.52
CAL NDL N223	34 30.10	-114 20.83	603	AZ	979577.52	979690.70	0.35	-20.57 -0.26
NOAA 3683 73	34 30.17	-114 6.31	2287	AZ	979474.53	979690.80	0.87	-78.01 -0.85
CAL NDLCH299	34 30.33	-114 33.90	1458	CA	979534.52	979691.03	0.11	-49.73 -0.58
CAL NDL N45	34 30.40	-114 23.70	450	CA	979588.42	979691.13	0.32	-15.69 -0.20
NOAA 3635 70	34 30.43	-114 12.22	2924	AZ	979448.45	979691.17	5.04	-96.32 -1.00

Crossman Peak - Chemehuevi Mountain Wilderness Study

station identification	latitude deg min	longitude deg min	ele (in ft)	st	observed	theoretical	terrain	curv	special	free air	complete-bouguer d1=2.67 d2=2.50
proj	lat	lon	alt	id	st	g	c	r	s	a	n
3277	34	30.58	4.19	2867	AZ	979423.00	979691.38	7.79	0.00	1.34	-89.69
NOAA 3683	72	34 30.58	-114 4.19	2867	AZ	979423.00	979691.38	7.79	0.00	1.34	-89.69
NOAA 3683	59	34 30.92	-114 13.64	2432	AZ	979470.50	979691.86	5.96	0.00	12.08	-67.52
CAL NDL N423	34	30.98	-114 35.53	1689	CA	979531.44	979691.95	0.37	0.00	-1.64	-59.54
NOAA 3683	71	34 31.82	-114 9.32	3682	AZ	979539.33	979693.13	8.08	0.00	46.47	-72.23
NOAA 3683	63	34 31.82	-114 17.92	1265	AZ	979543.95	979693.13	0.80	0.00	-30.17	-73.04
NOAA 3683	64	34 31.85	-114 15.28	1993	AZ	979503.69	979693.16	1.77	0.00	-2.01	-68.98
NOAA 3289 K13	34	32.05	-114 36.59	1594	CA	979529.33	979693.45	1.57	0.00	-14.17	-67.60
NOAA 4914 K13	34	32.05	-114 38.80	1593	CA	979529.42	979693.45	0.10	0.00	-14.11	-69.00
NOAA 3277 419	34	32.60	-114 0.70	1942	AZ	979470.55	979694.22	0.36	0.00	-40.99	-107.62
NOAA 3683	79	34 32.92	-114 11.27	5100	AZ	979298.15	979694.67	26.16	0.00	83.07	-66.15
NOAA 3683	69	34 33.05	-114 13.25	2963	AZ	979446.18	979694.85	4.06	0.00	30.08	-67.98
NOAA 3683	74	34 33.44	-114 5.95	2580	AZ	979459.90	979695.41	1.78	0.00	7.16	-79.99
CAL NDL N44	34	33.75	-114 24.50	460	CA	979591.51	979695.84	0.48	0.00	-61.06	-76.47
CAL NDL N42	34	33.80	-114 38.64	1747	CA	979519.83	979695.91	0.26	0.00	-11.76	-71.77
CAL NDLN137	34	33.87	-114 42.48	1500	CA	979521.59	979696.01	0.08	0.00	-33.32	-85.00
NOAA 3277 419	34	33.89	-113 59.00	2087	CA	979460.24	979696.04	0.35	0.00	-39.41	-111.06
NOAA 3683	67	34 34.04	-114 15.86	2243	AZ	979493.14	979696.25	3.26	0.00	7.87	-66.21
NOAA 3277 418	34	34.30	-114 1.90	1959	AZ	979473.74	979696.62	0.29	0.00	-38.61	-105.89
NOAA 3277 62	34	34.60	-114 21.70	773	AZ	979581.22	979697.04	0.49	0.00	-43.02	-69.25
NOAA 3683	76	34 35.21	-114 8.39	2520	AZ	979470.38	979697.90	1.75	0.00	9.50	-75.61
NOAA 3277 418	34	35.39	-113 59.00	2145	CA	979452.73	979698.15	0.40	0.00	-43.66	-117.23
NOAA 3683	77	34 35.39	-114 11.57	2752	AZ	979466.44	979698.15	2.65	0.00	27.12	-65.07
CAL NDL N46	34	35.50	-114 40.85	1683	CA	979514.99	979698.30	0.16	0.00	-25.01	-82.91
NOAA 3683	75	34 35.65	-114 5.90	2094	AZ	979482.90	979698.52	0.55	0.00	-18.65	-90.31
NOAA 3277 417	34	35.90	-114 2.60	1928	AZ	979471.55	979698.87	0.52	0.00	-45.93	-111.92
NOAA 3683	78	34 36.77	-114 15.58	3002	AZ	979448.96	979700.09	9.74	0.00	31.30	-63.43
NOAA 4914 K14	34	37.04	-114 38.39	1947	CA	979525.27	979700.47	0.34	0.00	8.01	-58.83
NOAA 3683	66	34 37.07	-114 18.29	1933	AZ	979520.67	979700.52	1.91	0.00	1.98	-62.78
NOAA 3289 K14	34	37.10	-114 38.65	1948	CA	979525.18	979700.55	0.30	0.00	7.86	-59.03
NOAA 3683	98	34 37.12	-114 25.22	701	AZ	979597.29	979700.59	0.86	0.00	-37.31	-60.67
CAL NDL N427	34	37.20	-114 32.74	1640	CA	979549.30	979700.70	2.42	0.00	2.86	-51.30
CAL NDL N426	34	37.20	-114 35.68	2393	CA	979501.66	979700.70	1.30	0.00	26.04	-55.16
NOAA 3277 61	34	37.40	-114 20.39	1179	AZ	979566.52	979700.98	0.43	0.00	-23.54	-63.81
NOAA 3277 416	34	37.49	-114 3.40	1975	AZ	979473.87	979701.10	0.69	0.00	-50.88	-114.86
CAL NUL N47	34	37.65	-114 43.30	1720	CA	979516.42	979701.33	0.14	0.00	-23.13	-82.32
NOAA 3277 417	34	38.00	-113 59.00	2211	CA	979447.84	979701.92	0.48	0.00	-45.94	-121.72
CAL NDL P10	34	38.20	-114 38.12	1933	CA	979533.89	979702.10	0.37	0.00	13.60	-52.70
NOAA 3683	77	34 39.10	-114 14.09	1719	AZ	979522.01	979703.38	0.46	0.00	-19.66	-78.51
NOAA 3277 415	34	39.20	-114 3.89	1820	AZ	979473.75	979703.52	0.37	0.00	-58.50	-120.94
NOAA 3683	118	34 39.74	-114 17.87	1438	AZ	979540.41	979704.27	0.24	0.00	-28.60	-77.98

Crossman Peak - Chamenuevi Mountain Wilderness Study

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	proj sta-id	latitude	longitude	ele	st	observed	theoretical	terrain	bouguer	curv	special	free	complete-bouguer
		deg min	deg min	(in ft)								air	d1=2.67 d2=2.50
NOAA 3277 410		34 44.99	-114 12.70	1311	AZ	979527.98	979711.68	0.47	-44.72	-0.53	0.00	-60.38	-105.15 -102.30
CAL NDL P14		34 45.50	-114 34.32	642	CA	979616.45	979712.40	0.31	-21.90	-0.27	0.00	-35.55	-57.41 -56.02
CAL NDL P4		34 45.51	-114 35.22	767	CA	979606.54	979712.41	0.31	-26.16	-0.32	0.00	-33.72	-59.90 -58.23
NOAA 3277 424		34 45.80	-113 58.79	2785	CA	979432.26	979712.82	1.21	-94.99	-0.99	0.00	-18.62	-113.39 -107.36
CAL NDL P2		34 45.81	-114 37.15	914	CA	979599.11	979712.84	0.29	-31.17	-0.38	0.00	-27.75	-59.01 -57.02
NOAA 3683 104		34 45.82	-114 21.05	992	AZ	979564.27	979712.85	0.16	-33.85	-0.41	0.00	-55.22	-89.32 -87.15
NOAA 4914 NG2		34 45.82	-114 38.63	1067	CA	979589.39	979712.85	0.39	-36.42	-0.44	0.00	-23.01	-59.48 -57.16
NOAA 3277 420		34 45.99	-114 10.90	1470	AZ	979511.47	979712.95	0.32	-50.14	-0.59	0.00	-63.20	-113.60 -110.39
NOAA 3683 122		34 45.95	-114 28.67	637	CA	979592.38	979713.03	0.13	-21.74	-0.27	0.00	-60.68	-82.57 -81.17
NOAA 35070217		34 46.00	-114 35.99	810	CA	979607.08	979713.10	0.22	-27.63	-0.34	0.00	-29.83	-57.58 -55.81
CAL NDL N91		34 46.18	-114 45.12	1800	CA	979542.47	979713.36	3.82	-61.39	-0.70	0.00	-1.58	-59.85 -56.14
NOAA 20730000		34 46.19	-114 12.50	1330	AZ	979517.98	979713.37	0.56	-45.36	-0.54	0.00	-70.28	-115.62 -112.73
CAL NDL P1		34 46.19	-114 36.82	855	CA	979601.49	979713.37	0.29	-29.16	-0.36	0.00	-31.45	-60.68 -58.82
CAL NDL K16		34 46.20	-114 35.83	733	CA	979608.34	979713.38	0.29	-25.00	-0.31	0.00	-36.09	-61.11 -59.52
NOAA 3683 88		34 46.25	-114 17.20	1643	AZ	979520.11	979713.45	3.63	-56.04	-0.64	0.00	-38.80	-91.86 -88.48
NOAA 3683 111		34 46.52	-114 24.62	845	CA	979570.79	979713.84	0.16	-28.83	-0.35	0.00	-63.55	-92.57 -90.72
NOAA 3289 P11		34 46.61	-114 35.90	737	CA	979606.86	979713.96	0.22	-25.17	-0.31	0.00	-37.70	-62.95 -61.35
CAL NDL P11		34 46.62	-114 34.95	738	CA	979606.92	979713.98	0.23	-25.17	-0.31	0.00	-37.64	-62.89 -61.28
CAL NDL P62		34 46.67	-114 33.90	473	CA	979621.34	979714.05	0.36	-16.13	-0.20	0.00	-48.21	-64.19 -63.17
CAL NDL P89		34 46.90	-114 43.40	1555	CA	979560.67	979714.38	3.48	-53.04	-0.61	0.00	-7.44	-57.61 -54.42
CAL NDL P88		34 47.02	-114 42.10	1393	CA	979572.90	979714.54	0.86	-47.51	-0.56	0.00	-10.62	-57.83 -54.82
CAL NDL P61		34 47.37	-114 34.20	466	CA	979619.11	979715.04	0.56	-15.89	-0.20	0.00	-52.09	-67.63 -66.64
NOAA 3277 425		34 47.39	-113 57.20	3092	CA	979413.44	979715.06	2.01	-105.49	-1.07	0.00	-10.75	-115.29 -108.64
NOAA 3289P205		34 47.51	-114 33.40	461	CA	979614.63	979715.23	0.19	-15.76	-0.20	0.00	-57.15	-72.91 -71.91
NOAA 3277 405		34 47.60	-114 7.40	1795	AZ	979494.04	979715.36	0.54	-61.24	-0.70	0.00	-52.43	-113.83 -109.92
CAL NDL N90		34 47.60	-114 40.75	1173	CA	979581.49	979715.36	0.55	-40.01	-0.48	0.00	-23.53	-63.47 -60.93
NOAA 3277 472		34 47.69	-114 1.10	2583	AZ	979448.32	979715.48	1.04	-88.11	-0.93	0.00	-24.20	-112.20 -106.60
NOAA 3683 123		34 47.69	-114 29.90	582	CA	979596.49	979715.48	0.41	-19.85	-0.25	0.00	-64.25	-83.94 -82.68
NOAA 3683 113		34 47.99	-114 34.15	475	CA	979615.03	979715.91	0.21	-16.20	-0.20	0.00	-56.19	-72.39 -71.36