

Table 1. Principal facts including changes in gravity, elevation, and Bouguer gravity for 87 reoccupied stations plotted in plate 1.

Source	Station No.	Previous elevation (meters)	Previous gravity -979,000 mgal ^{1/}	Uncertainty ^{2/} of measurement (G ₁)	Year	New gravity as of 1971 or 1972 -979,000 mgal	Uncertainty ^{2/} of remeasurement (G ₂)	Gravity meters used and number of ties	Change in gravity Δg (mgal)	Uncertainty ^{3/} (ΔG ₁ ² + ΔG ₂ ²)	Elevation change Δh in meters	Uncertainty in meters	Year of original measurement	Change in combined free-air & Bouguer correction (+.2249 ΔE)	Change in Bouguer anomalies (Δg + .2249 ΔE) in mgal ^{5/}
Prime bases for remeasurements															
Corbato (1963)	MW-1(UCLA) ^{1/}	133	597.60 ^{1/}	-	1965	597.60 ^{1/}	-	-	.00 ^{1/}	-	?	-	-	-	?
S. L. Robbins	MW-2(Cal Tech)	232	578.88	±.03	1965	578.88	±.04	G17,G161(6)	+0.00	±.05	?	-	-	-	?
Stations north of surface ruptures															
Corbato (1963)	CR14	373.1	526.02	±.03	1958	525.72	±.02	G17&G161(4)	-.30	±.04	+1.35 ±.05	1960	+0.30	.00	
Do.	444	352.2	530.38	±.05	1958	530.28	±.03	WM533(7)	-.10	±.06	+ .25 ±.12	1960	+0.06	-.04	
Do.	446	363.8	527.52	±.05	1958	527.40	±.03	WM533,G17 & G161 (8)	-.12	±.06	+ .16 ±.03	1960	+0.04	-.08	
Do.	448	378.8	525.03	±.05	1958	524.71	±.03	Do. (6)	-.32	±.06	+1.47 ±.03	1960	+0.33	+0.01	
Do.	449	363.9	527.62	±.05	1958	527.57	±.03	WM 533 (7)	-.05	±.06	+ .32 ±.03	1960	+0.07	+0.02	
Do.	458	395.5	523.38	±.05	1958	523.17	±.03	Do. (6)	-.21	±.06	+1.17 ±.06	1960	+0.26	+0.05	
Do.	459	420.6	519.73	±.05	1958	519.54	±.03	G17&G161(2)	-.19	±.06	+ .98 ±.05	1960	+0.22	+0.03	
Do.	460	453.3	515.30	±.05	1958	515.20	±.03	Do. (2)	-.10	±.06	+ .58 ±.03	1960	+0.13	+0.03	
Do.	461	504.1	507.17	±.05	1958	507.08	±.03	Do. (2)	-.09	±.06	+ .48 ±.03	1960	+0.11	+0.02	
Do.	464	406.9	521.28	±.05	1958	521.18	±.03	WM533 (6)	-.10	±.06	+ .44 ±.03	1960	+0.10	.00	
Do.	467	429.2	518.28	±.05	1958	518.20	±.04	Do. (5)	-.08	±.06	+ .50 ±.03	1960	+0.11	+0.03	
Do.	559	374.0	536.37	±.05	1958	536.01	±.03	G17,G161 (5)	-.37	±.06	+1.49 ±.03	1960	+0.34	-.02	
Shawn Biehler	B 92	697.7	504.66	±.05	1964	504.61	±.03	G141,G22 (2)	-.05	±.06	?	-	-	-	?
Do.	B 93	674.2	508.96	±.05	1964	508.90	±.03	G22 (2)	-.06	±.06	?	-	-	-	?
Do.	B 94	627.6	517.93	±.05	1964	517.97	±.03	G22 (2)	+0.04	±.06	?	-	-	-	?
Do.	B 95	528.8	537.18	±.05	1964	537.08	±.03	G22 (2)	-.10	±.06	?	-	-	-	?
Do.	B155	1097.3	410.65	±.05	1964	410.52	±.03	G22 (2)	-.13	±.10 ^{6/}	?	-	-	-	?
Do.	B156	722.4	460.44	±.05	1964	460.24	±.03	G22 (2)	-.20	±.10 ^{6/}	+ .67 ±.05	1929	+0.15	-.05	
Do.	B164	755.3	494.15	±.05	1964	494.13	±.03	G22 (2)	-.02	±.06	?	-	-	-	?
Do.	B581	455.7	557.46	±.05	1964	557.01	±.03	G22 (2)	-.45	±.15 ^{6/}	?	-	-	-	?
J. L. Long (W.C., 1971)	Base 1	?	?	±.03	1970	?	±.03	G22 (1)	-.02	±.10 ^{6/}	?	-	-	-	?
Do.	L 41	1406.6	351.80	±.05	1970	351.83	±.08	G141 (1)	+0.03	±.10	?	-	-	-	?
Do.	L 67	716	488.86	±.08	1970	488.85	±.06	G141 (1)	-.01	±.10	?	-	-	-	?
Do.	L 74	750	475.72	±.08	1970	475.61	±.06	G141 (1)	-.11	±.10	?	-	-	-	?
Do.	L 77	509.3	520.49	±.05	1970	520.31	±.03	G22&129 (2)	-.18	±.08	+ .73 ±.05	1929	+0.16	-.02	
R. B. Crannell	GR 4	384	536.80	±.06	1970	536.37	±.05	G141 (1)	-.43	±.08	+1.91 ±.03	1929	+0.43	.00	
Do.	GR 5	400	533.78	±.06	1970	533.39	±.08	G141 (1)	-.39	±.10	?	-	-	-	?
Do.	GR 6	411	532.70	±.06	1970	532.46	±.07	G141 (1)	-.24	±.09	?	-	-	-	?
Do.	GR 7	437	528.87	±.06	1970	528.63	±.07	G141 (1)	-.24	±.09	?	-	-	-	?
Do.	GR 8	454	519.02	±.08	1970	519.01	±.05	G141 (1)	-.01	±.10	?	-	-	-	?
Do.	GR 9	558	519.46	±.13	1970	519.34	±.08	G141 (1)	-.12	±.15	?	-	-	-	?
Do.	GR10	602	514.26	±.13	1970	514.14	±.08	G141 (1)	-.12	±.15	?	-	-	-	?
Do.	GR11	1079	415.25	±.10	1970	415.18	±.06	G141 (1)	-.07	±.12	?	-	-	-	?
Do.	GR12	1170	399.44	±.10	1970	399.44	±.06	G141 (1)	.00	±.12	?	-	-	-	?
Do.	GR13	1122	412.81	±.10	1970	412.84	±.06	G141 (1)	+0.03	±.12	?	-	-	-	?
Do.	GR14	1255	387.40	±.08	1970	387.53	±.06	G141 (1)	+0.13	±.10	?	-	-	-	?
Do.	GR15	1407	352.87	±.08	1970	352.97	±.06	G141 (1)	+0.10	±.10	?	-	-	-	?
Do.	GR16	532	511.80	±.08	1970	511.75	±.06	G141 (1)	-.05	±.10	?	-	-	-	?
Do.	GR17	520	510.90	±.08	1970	510.94	±.06	G141 (1)	+0.04	±.10	?	-	-	-	?
Do.	GR18	972	422.45	±.08	1970	422.56	±.08	G141 (1)	+0.11	±.11	?	-	-	-	?
Do.	GR19	1072	407.42	±.08	1970	407.49	±.06	G141 (1)	+0.07	±.10	?	-	-	-	?
Do.	GR20	1181	381.58	±.08	1970	381.66	±.06	G141 (1)	+0.08	±.10	?	-	-	-	?
Do.	GR21	1045	410.06	±.08	1970	410.26	±.06	G141 (1)	+0.20	±.10	?	-	-	-	?
Do.	GR22	749	474.79	±.08	1970	474.77	±.06	G141 (1)	-.02	±.10	?	-	-	-	?
Do.	GR23	1186	375.15	±.08	1970	375.17	±.09	G141 (1)	+0.02	±.12	?	-	-	-	?
Do.	GR24	1068	396.63	±.08	1970	396.71	±.08	G141 (1)	+0.08	±.11	?	-	-	-	?
Do.	GR25	1022	409.23	±.08	1970	409.18	±.08	G141 (1)	-.05	±.11	?	-	-	-	?
Do.	GR26	933	430.11	±.08	1970	430.02	±.08	G141 (1)	-.09	±.11	?	-	-	-	?
Do.	GR27	842	445.87	±.08	1970	445.74	±.09	G141 (1)	-.13	±.12	?	-	-	-	?
Do.	GR28	927	437.40	±.08	1970	437.30	±.06	G141 (1)	-.10	±.10	?	-	-	-	?
Do.	GR29	1093	394.35	±.08	1970	394.34	±.06	G141 (1)	-.01	±.10	?	-	-	-	?
Do.	GR30	722	471.71	±.08	1970	471.79	±.06	G141 (1)	+0.08	±.10	?	-	-	-	?
Do.	GR31	809	450.72	±.08	1970	450.74	±.06	G141 (1)	+0.02	±.10	?	-	-	-	?
Do.	GR32	910	431.23	±.08	1970	431.38	±.09	G141 (1)	+0.15	±.12	?	-	-	-	?
Do.	GR33	1169	378.95	±.08	1970	379.08	±.09	G141 (1)	+0.13	±.12	?	-	-	-	?
Do.	GR34	1203	369.53	±.08	1970	369.67	±.06	G141 (1)	+0.14	±.10	?	-	-	-	?
Do.	GR35	1250	367.31	±.08	1970	367.36	±.06	G141 (1)	+0.05	±.10	?	-	-	-	?
Do.	GR36	1108	385.68	±.08	1970	385.99	±.06	G141 (1)	+0.31	±.10	?	-	-	-	?
Stations south of tectonic ruptures															
Corbato (1958)	CR 1	240.7	567.35	±.05	1958	567.39	±.03	G17&G161(2)	+0.04	±.04	?	-	-	-	?
Do.	CR 2	235.9	563.19	±.03	1958	563.20	±.02	Do G17 (4)	+0.01	±.04	-.03 ±.03	1970	-.01	.00	
Do.	CR 4	222.4	589.34	±.03	1958	589.34	±.08	WM533&G161(4)	.00	±.09	?	-	-	-	?
Do.	CR 6	193.3	579.19	±.03	1958	579.16	±.03	G17&G161(2)	-.03	±.04	?	-	-	-	?
Do.	CR10	293.8	571.25	±.03	1958	571.25	±.03	Do. (2)	.00	±.04	?	-	-	-	?
Do.	CR12	284.2	539.70	±.03	1958	539.55	±.03	G17,G161 (4) & WM533(4)	-.15	±.04	.00 ^{6/} ±.03	1963	.00	-.15	
Do.	388	301.9	543.97	±.05	1958	543.99	±.03	G17&G161(2)	+0.02	±.06	-.05 ±.03	1960	-.01	+0.01	
Do.	393	352.8	534.83	±.05	1958	534.78	±.03	WM533 (5)	-.05	±.06	+0.01 ±.03	1960	.00	-.05	
Do.	579	345.3	550.27	±.05	1958	550.29	±.03	G17&G161(2)	+0.02	±.06	-.02 ±.03	1960	.00	+0.02	
C. T. Whalen(W.C., 1968)	LA-K ^{1/}	38.0	597.03	±.05	1966	597.03	±.04	G17&G161(6)	.00 ^{1/}	±.07	?	-	-	-	?
Chapman (1966)	CH307	328.9	530.01	±.05	1963	530.01	±.01	G17, G161(4)	.00	±.05	-.06 ±.04	1960	-.01	-.01	
S. L. Robbins	SORR	275	571.20	±.05	1965	571.16	±.04	G17&G161(16)	-.04	±.06	?	-	-	-	?
R. B. Crannell	GR 1	329	551.54	±.06	1970	551.52	±.05	G141 (1)	-.02	±.08	?	-	-	-	?
Do.	GR 2	349	545.99	±.06	1970	546.00	±.05	G141 (1)	+0.01	±.08	?	-	-	-	?
Chapman (1966)	CH320	34	569.80	±.05	1963	569.76	±.03	G17&G161(6)	-.04	±.06	?	-	-	-	?
Stations near Castaic															
Chapman (1966)	CH306	374.9	543.27	±.05	1963	543.19	±.03	G17 G161(4)	-.08	±.06	?	-	-	-	?
W. F. Hanna(W.C., 1971)	H2150	401.4	538.86	±.05	1968	538.81	±.04	G17 G161(2)	-.05	±.07	?	-	-	-	?