U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

PRINCIPAL FACTS FOR GRAVITY DATA IN THE VICINITY OF EDWARDS AIR FORCE BASE, CALIFORNIA

By

Robert L. Morin[1]

1992

Open-File Report 92-277

Menlo Park, California
1992

[1] U.S. Geological Survey, Menlo Park, CA

Copies of this Open-File Report

may be purchased from

U.S. Geological Survey

Books and Open-File Reports Section

Box 25425, Federal Center

Denver, CO 80225

PREPAYMENT IS REQUIRED

Price information will be published

in the monthly listing

New Publications of the Geological Survey

FOR ADDITIONAL ORDERING INFORMATION

CALL: (303) 236-7476

CONTENTS

ILLUSTRATIONS

TABLES

INTRODUCTION

During 1989 and 1990, about 1024 gravity observations were made in the vicinity of Edwards Air Force Base in southern California to support an effort to determine the depth to granitic basement. The Air Force primarily uses ground water from wells on the base for its water needs. Two wells in the Graham Ranch area, which contains a small basin just south of the residential community of Edwards, provided water for the base. A system of distribution pipes exists throughout the base linking wells to the water users, but the system is not interconnected. When the casing on the Buchner well collapsed, only one well remained to service Edwards, which did not meet the demands of the community.

The U.S. Geological Survey (USGS) was contracted by the Air Force to assess the problem and recommend a site to drill another well. Various groups within the USGS were consulted as to potential solutions. It was hoped that detailed precision gravity surveys could be used to map the 3-dimensional shape of the basin. This information would then be used, along with other types of data to help choose a location for a new well.

Another problem that has plagued the Air Force in recent years is the formation of ground cracks and fissures on Roger Lake dry lakebed. One of the main missions of Edwards Air Force Base is to provide a landing area for returning space flights. Spacecraft use the lakebed as a runway. Although these fissures can be filled and the lakebed leveled, the Air Force is interested in the origin of these fissures.

The gravity data collection was carried out in two stages. The first was designed to complete regional coverage of approximately 1.5 km spacing surrounding the study areas. The study area ranges between 34° 40' and 35° 5' north latitude and between 117° 35' and 118° 15' west longitude. The goal of the second stage was to measure closely spaced (150 m) gravity stations along profiles in the Graham Ranch area. These were mostly put in along existing roads. In the areas of fissuring on the lakebed, very closely spaced (30 and 60 m) along profiles that range from 500 to 1000 m apart perpendicular to the fissures.

Included in this data release are the base stations that were used in this survey. The observed gravities and descriptions of these stations have been previously released (Roberts and Jachens, 1986), but this report includes anomaly values. Also included in this report are the data collected in 1988 by Kaman Sciences Corporation, which were used in a regional gravity map of the area (Morin and others, 1990).

GRAVITY REDUCTION

About 1024 new gravity stations were measured using La Coste and Romberg gravity meter G8-N over about a one year period ending in April 1990. Gravity base control for these surveys is a high-precision set of bases established throughout southern California to monitor vertical crustal motion. The bases used were PB1104, PB1105, PB1105A, PB1106, PB1109, and PB1519 (Roberts and Jachens, 1986).

Conversion to milligals was made with factory calibration constants plus a calibration factor of 1.0006 determined by multiple runs over the Mt. Hamilton calibration loop, east of San Jose, CA (Barnes and others, 1969). Observed gravity values were based on an assumed linear meter drift between successive base readings. Elevation control varied depending on the intended use of the data. Elevation control for regional data used to fill in gaps in the area-wide data set was obtained mostly from spot elevations on 1:24,000 scale USGS topographic maps. Most other elevations were from bench marks shown on the same set of maps. A small number of observations were made on bench marks established by other government agencies, with elevations supplied by the Air Force. A few stations required

contour interpolation from the topographic maps for elevation control. Elevations for the detailed surveys in the area of Graham Ranch and on Rogers Lake were surveyed using a laser surveying instrument. These surveys were controlled by bench marks in the areas of the surveys.

At each gravity station, a field terrain correction was made. The effect of the local terrain was estimated from the station to the outer radius of the Hayford-Bowie B ring (.069km) (Hayford and Bowie, 1912). Hand terrain corrections were made for Hayford-Bowie zones C and D (.069 to 0.59 km) (Hayford and Bowie, 1912). Terrain corrections were computed for the area from a radial distance of 0.59 km from the station to a radial distance of 166.7 km with a FORTRAN program (Plouff, 1977) and a digital terrain model.

These data were processed through an isostatic reduction program (Jachens and Roberts, 1981) in order to suppress the effects of deep density distributions that buoyantly support the topography. The isostatic reduction assumes an Airy-Heiskanen model with the following parameters: density of topographic load, 2.67g/cm^3; crustal thickness at sea-level, 25 km; density contrast across the base of the model crust, 0.4g/cm^3.

Theoretical gravity is based on the "Geodetic Reference System 1967" (GRS 67) (International Association of Geodesy, 1971, p. 58) for the shape of the spheroid. The datum for the observed gravity is the "International Gravity Standardization Net 1971" (IGSN 71), (Morelli, 1974. p. 18). Free-air anomallies are calculated by subtracting the theoretical gravity from the observed gravity and adding the free-air correction as defined by Swick (1942, p. 65). Simple Bouguer anomallies are calculated by the subtracting the Bouguer correction using a density of 2.67g/cm^3 and adding the earth-tide correction to the free-air anomaly. Complete Bouguer anomallies are calculated by adding the terrain correction to the simple Bouguer anomaly. Isostatic anomallies are calculated by adding the isostatic correction to the complete Bouguer anomaly.

Kaman Sciences Corporation collected sixty-three gravity stations on Rogers Lake for estimating depth to basement as part of a groundwater flow investigation. La Coste and Romberg gravity meter G141 was used for this survey. Kaman Sciences attempted to tie their gravity survey to gravity base station CH296 near Kramer Junction. This is a base station established by Chapman (1966), but was incorrectly described by Tang and Ponce (1982) as being about 5 km from its correct location. This base station was originally based on the gravity datum of Wollard and Rose (1963) and reduced according to the 1930 International Gravity formula (Swick, 1942, p. 61). Conversion of this base value to IGSN 71 datum was accomplished following the procedure of Oliver and others (1980, p. 51- 52). The resulting error in survey datum from the mislocated base was corrected by comparing observed gravity values at a common station as measured during our survey and the Kaman survey, and adjusting the observed gravities of the Kaman data accordingly. These data were then reduced according to the preceeding system.

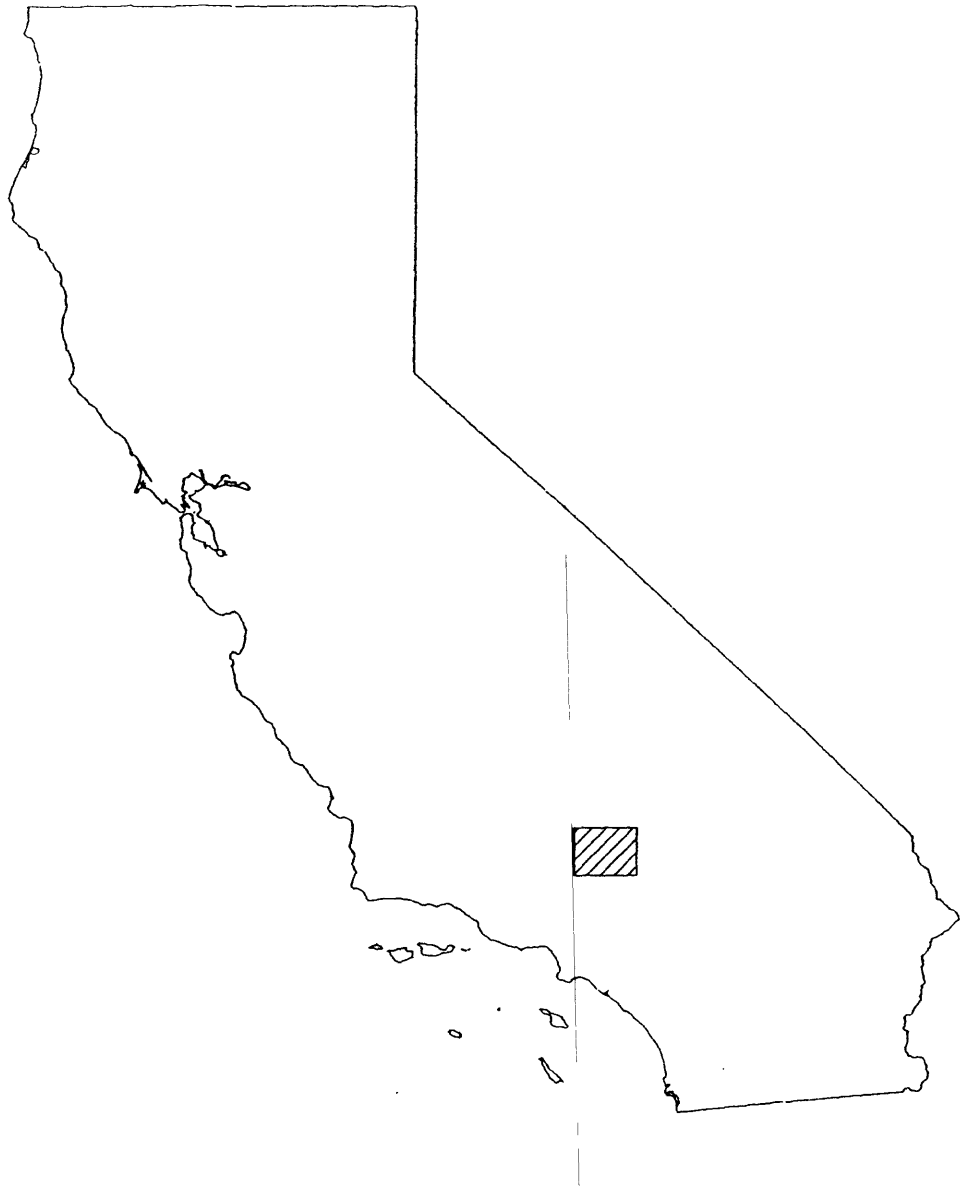

FIGURE 1.–Index map of study area.

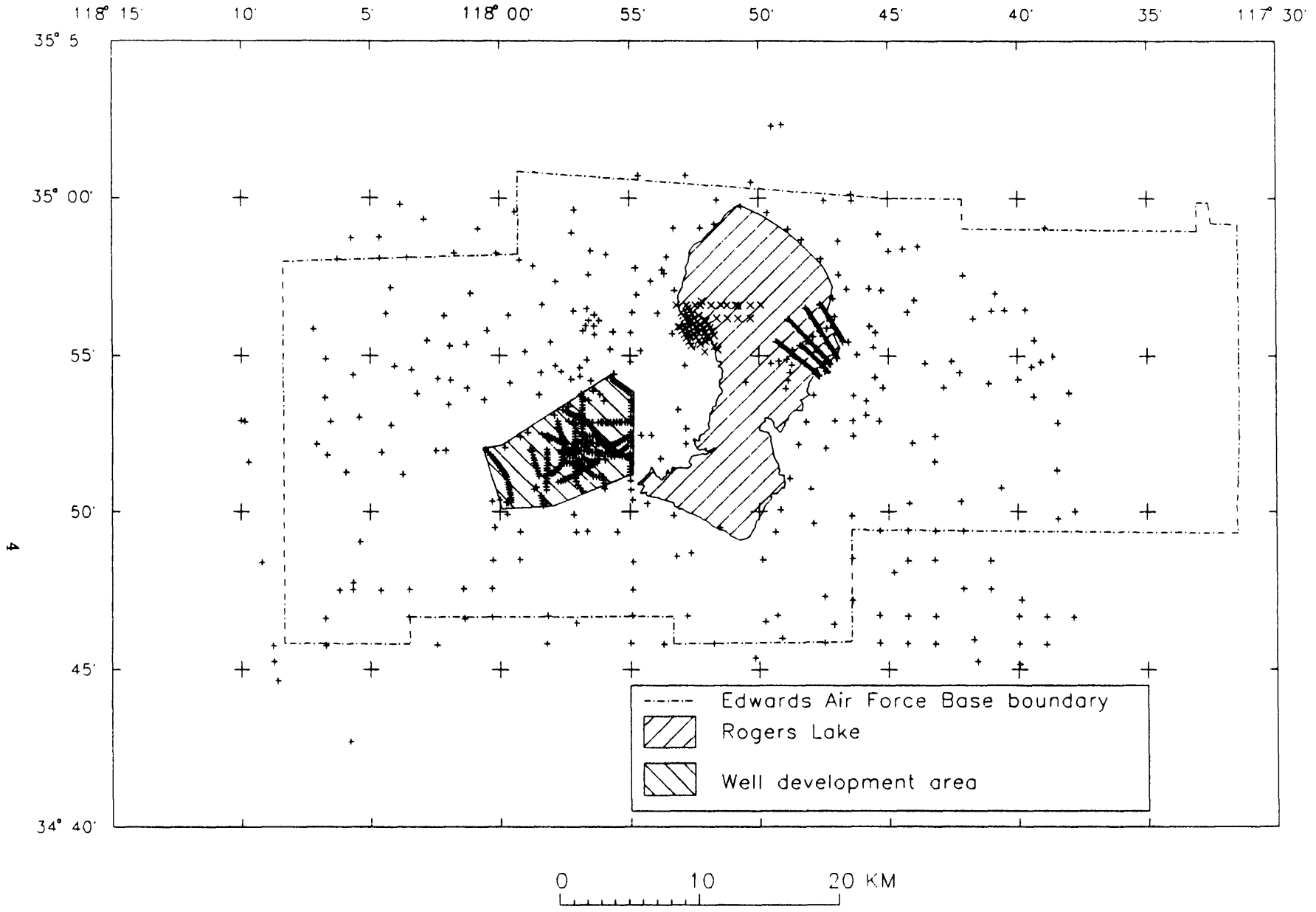

FIGURE 2.–Locations of gravity stations. Plus signs are locations of USGS gravity stations. Crosses are locations of Kaman Sciences Corporation gravity stations.

TABLE 1.–*Explanation of principal fact format*

Item	Explanation
STATION NAME	An alphanumeric combination of up to 8 characters used for station identification
LAT	Latitude in degrees and minutes, to 0.01 minute
LON	Longitude in degrees and minutes, to 0.01 minute
ELEV	Elevation, to 0.1 feet
OG	Observed gravity, to 0.01 mGal
AC	Four digit code describing the general location, elevation, latitude, and observed gravity accuracy
FAA	Free-air anomaly to 0.01 mGal
SBA	Simple Bouguer anomaly reduced with a density of 2.67 g/cm^3, to 0.01 mGal
ITC	Field and hand terrain correction reduced with a density of 2.67 g/cm^3. Single letter following ITC represents the zone that the hand terrain correction was carried to. Capital letters represent Hayford-Bowie zones. Lower case letters represent Hammer zones
TC	Total terrain correction from 0 to 166.7 km reduced with a density of 2.67 g/cm^3, to 0.01 mGal
CBA	Complete Bouguer anomaly reduced with a density of 2.67 g/cm^3, to 0.01 mGal
ISO	Isostatic anomaly reduced with a density of 2.67 g/cm^3, a crustal thickness at sea-level of 25 km, and a density contrast across the base of the crust of 0.4 g/cm^3, to 0.01 mGal

TABLE 2.—*Explanation of accuracy codes*

[NGS, National Geodetic Survey; NMD, National Mapping Division; USGS, U. S. Geological Survey]

Code	Explanation
	General elevation and location code–1st digit
A	Altimetry, good control
B	On USGS or NGS level-line bench mark
C	Contour line interpolation
D	Destroyed or not found reference mark
E	Near level-line bench mark other than USGS or NGS
F	Map elevation, black or field checked
G	Map elevation, brown or not field checked
H	Near vertical angle bench mark
I	Other special source
K	Photogrammetry by other than USGS NMD
N	Near USGS or NGS level-line bench mark
M	On level-line bench mark other than USGS or NGS
P	On or near surveyed mark
Q	River gradient interpolation
R	Lake or reservoir elevation by leveling
S	Sea level elevation
T	Photogrammetry by USGS NMD
U	Unknown elevation source
V	On vertical angle bench mark
W	Map elevation, blue
X	On or near boundary marker
Y	Altimetry, poor control
Z	Special source (e.g. mobile elevation recorder)

	Elevation code–2nd digit	Elevation accuracy (ft)	Approximate gravity effect (mGal)
1	On bench mark	0.2	0.01
2	Near bench mark	0.3	0.02
3	Transit or good alidade survey	1.0	0.06
4	Vertical angle bench mark or black map elevation	2.0	0.12
5	Black map elevation on old map or good photogrammetry	4.0	0.24
6	Brown map elevation or good photogrammetry on 20 ft contour interval map	10	0.6
7	Brown map elevation on 80 ft contour interval map or good altimetry	20	1.2
8	Contour interpolation on 80 ft contour interval map	40	2.4
9	Contour interpolation on 200 ft contour interval map or poor altimetry	80	4.8

	Latitude code–3rd digit (based at lat 37°)	Latitude accuracy (min)	Distance accuracy (ft)	Approximate gravity effect (mGal)
1	Triangulation or special survey data	0.007	42	0.01
2	Location known to 0.04 in on 1:24,000 map (special care)	0.014	84	0.02
3	0.10 in on 1:24,000 map or 0.04 in on 1:62,500 map	0.035	210	0.05
4	0.21 in on 1:24,000 map or 0.08 in on 1:62,500 map	0.07	420	0.1
5	0.42 in on 1:24,000 map or 0.16 in on 1:62,500 map	0.14	840	0.2
6	0.40 in on 1:62,500 map or 0.1 in on 1:250,000 map	0.35	2,100	0.5
7	0.80 in on 1:62,500 map or 0.2 in on 1:250,000 map	0.7	4,200	1.0
8	1.60 in on 1:62,500 map or 0.4 in on 1:250,000 map	1.4	8,400	2.0
9	4.00 in on 1:62,500 map or 1.0 in on 1:250,000 map	3.5	21,000	5.0

	Observed gravity code–4th digit	Approximate gravity effect (mGal)
1	Local survey with special gravity meter	0.01
2	Multiple observations with LaCoste and Romberg gravity meter	0.02
3	Average LaCoste and Romberg or multiple observations with Worden gravity meter	0.05
4	LaCoste and Romberg observation with small vibrations or average Worden gravity meter	0.1
5	Data from loop with closure error this large	0.2
6	Data from loop with closure error this large	0.5
7	Data from loop with closure error this large	1
8	Data from loop with closure error this large	2
9	Data from loop with closure error this large	4

REFERENCES

Barnes, D.F., Oliver, H.W., and Robbins, S.L., 1969, Standardization of Gravimeter Calibrations in the Geological Survey: EOS (American Geophysical Union Transactions),v.50, p. 526-527.

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

Hayford, John F., and Bowie, William, 1912, The effect of topography and isostatic compensation upon the intensity of gravity: U.S. Coast and Geodetic Survey Special Publication no. 10, 132 p.

International Association of Geodesy, 1971, Geodetic reference system 1967: International Association of Geodesy Special Publication no. 3, 116 p.

Jachens, R.C., and Roberts, C.W., 1981, Documentation of a FORTRAN program, 'isocomp', for computing isostatic residual gravity: U.S. Geological Survey Open-File Report 81-574, 26 p.

Kaman Sciences Corporation, 1989, Site 19 Gravity Survey Edwards Air Force Base: Kaman Sciences Corporation Report KT-89-006, 41p.

Morelli, Carlo., editor, 1974, The International gravity standardization net 1971: International Association of Geodesy Special Publication no. 4, 194 p.

Morin, R.L., Mariano, John, and Jachens, R.C., 1990, Isostatic residual gravity map of Edwards Air Force Base and vicinity, Kern, Los Angeles, and San Bernardino counties, California: U.S. Geological Survey Open-File Report 90-664, map, scale 1:62,500.

Oliver, H.W., Robbins, S.L., and Chapman, R.H., 1980, Gravity measurements, reductions, and conversion formulas to IGSN71 and GRS 67, *in* Oliver, H.W., (ed.), Interpretation of the gravity map of California and its continental margin: California Division of Mines and Geology Bulletin 205, p. 47-52.

Plouff, Donald, 1977, Preliminary documentation for a FORTRAN program to compute gravity terrain corrections based on topography digitized on a geographic grid: U.S. Geological Survey Open-File Report 77-535, 45 p.

Roberts, C.W., and Jachens, R.C., 1986, High-precision gravity stations for monitoring vertical crustal motion in southern California: U.S. Geological Survey Open-File Report 86-44, 78 p.

Swick, C.H., 1942, Pendulum gravity measurements and isostatic reductions: U.S. Coast and Geodetic Survey Special Publication no. 232, 82 p.

Tang, R.W., and Ponce, D.H., 1982, Principal facts, accuracies, sources, and base station descriptions for 4,915 gravity stations on the San Bernardino 1° x 2° quadrangle, California: U.S. Geological Survey NTIS PB-82-200312 (available from U.S. Department of Commerce, National Technical Information Service, Springfield, Virginia 22161), 99 p.

Woollard, G.P., and Rose, J.C., 1963, International gravity measurements: Tulsa, Oklahoma, Society of Exploration Geophysicists, 518 p.

TABLE 3.—*Principal facts for USGS gravity stations*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
89E001	34	57.37	117	54.17	2447.0	979494.84	N213	-4.18	-87.64	0.04	D	0.19	-88.34	-5.22
89E002	34	56.94	117	54.72	2522.0	979488.97	D213	-2.39	-88.41	0.02	D	0.24	-89.09	-6.12
89E003	34	56.38	117	54.90	2449.0	979491.66	N213	-5.77	-89.30	0.02	D	0.15	-90.04	-7.27
89E004	34	56.36	117	53.92	2349.0	979497.85	F423	-8.96	-89.08	0.00	D	0.09	-89.85	-7.08
89E005	34	55.70	117	53.36	2292.0	979497.15	F423	-14.08	-92.26	0.00	D	0.08	-93.03	-10.49
89E006	34	55.15	117	54.58	2321.0	979493.41	B113	-14.32	-93.48	0.00	D	0.09	-94.25	-11.90
89E007	34	56.60	117	50.78	2271.0	979498.36	Z113	-16.12	-93.58	0.00	D	0.05	-94.37	-11.39
89E008	34	54.15	117	50.49	2272.0	979483.89	Z113	-27.04	-104.53	0.00	D	0.07	-105.30	-22.96
89E009	34	49.50	117	51.50	2269.0	979475.38	Z113	-29.26	-106.65	0.00	D	0.17	-107.32	-25.95
89E010	34	54.69	117	52.85	2295.0	979491.28	C633	-18.24	-96.52	0.00	D	0.07	-97.30	-15.01
89E011	34	57.08	117	53.25	2292.0	979503.18	F423	-10.01	-88.18	0.00	D	0.09	-88.94	-5.89
89E012	34	57.79	117	54.78	2546.0	979490.05	F423	-0.25	-87.09	0.05	D	0.27	-87.74	-4.46
89E013	34	58.22	117	55.89	2704.0	979478.81	P333	2.76	-89.47	0.26	D	0.74	-89.70	-6.21
89E014	34	58.33	117	56.49	2698.0	979478.21	F423	1.44	-90.58	0.18	D	0.62	-90.93	-7.38
89E015	34	58.13	117	53.56	2342.0	979503.04	N213	-6.93	-86.81	0.00	D	0.09	-87.58	-4.16
89E016	34	59.05	117	53.31	2324.0	979502.46	C633	-10.51	-89.77	0.00	D	0.08	-90.55	-6.75
89E017	34	52.41	117	59.19	2420.0	979482.55	F423	-12.00	-94.54	0.02	D	0.19	-95.23	-13.92
89E018	34	52.55	117	58.90	2413.0	979483.78	D633	-11.62	-93.92	0.00	D	0.17	-94.64	-13.28
89E019	34	53.10	117	57.89	2377.0	979487.60	N223	-11.97	-93.04	0.00	D	0.14	-93.78	-12.19
89E020	34	53.37	117	57.36	2386.0	979486.67	B113	-12.43	-93.81	0.03	D	0.16	-94.52	-12.83
89E021	34	53.87	117	56.42	2395.0	979487.09	B113	-11.87	-93.56	0.04	D	0.15	-94.29	-12.41
89E022	34	54.42	117	55.61	2347.0	979490.83	N213	-13.42	-93.47	0.00	D	0.10	-94.23	-12.15
89E023	34	54.81	117	54.97	2319.0	979492.78	N213	-14.66	-93.75	0.01	D	0.11	-94.50	-12.28
89E024	34	56.31	117	56.35	2358.0	979494.16	N213	-11.73	-92.15	0.03	D	0.15	-92.87	-10.10
89E025	34	54.87	117	56.66	2437.0	979487.26	F433	-9.17	-92.28	0.00	D	0.14	-93.04	-10.84
89E026	34	55.21	117	55.74	2351.0	979492.49	F433	-12.50	-92.69	0.00	D	0.10	-93.45	-11.11
89E027	34	57.36	117	57.83	2387.0	979493.83	B113	-10.82	-92.23	0.01	D	0.17	-92.94	-9.68
89E028	34	56.63	117	58.35	2469.0	979488.04	F423	-7.86	-92.07	0.00	D	0.17	-92.80	-9.83
89E029	34	56.29	117	59.64	2824.0	979466.31	F423	4.27	-92.05	0.81	D	1.49	-91.56	-8.74
89E030	34	55.43	117	58.02	2515.0	979484.76	F423	-5.12	-90.90	0.16	D	0.34	-91.47	-9.06
89E031	34	55.13	117	58.99	2659.0	979475.15	F423	-0.77	-91.46	0.25	D	0.55	-91.86	-9.55
89E032	34	54.12	117	59.57	2486.0	979483.90	F423	-6.86	-91.65	0.00	D	0.25	-92.30	-10.36
89E033	34	53.75	117	58.47	2427.0	979486.21	F423	-9.57	-92.35	0.00	D	0.18	-93.06	-11.24
89E034	34	54.46	117	58.39	2478.0	979484.59	F423	-7.40	-91.92	0.01	D	0.20	-92.62	-10.56
89E035	34	54.68	117	57.84	2602.0	979477.46	F423	-3.18	-91.92	0.12	D	0.39	-92.47	-10.35
89E036	34	57.85	117	58.69	2403.0	979492.91	B113	-10.93	-92.88	0.03	D	0.21	-93.56	-10.04
89E037	34	58.04	117	59.21	2412.0	979492.22	N223	-11.04	-93.31	0.02	D	0.23	-93.96	-10.30
89E038	34	59.57	117	59.41	2529.0	979483.48	F423	-10.94	-97.20	0.00	D	0.17	-97.95	-13.50
89E039	34	59.63	117	57.13	2499.0	979488.81	F423	-8.52	-93.75	0.01	D	0.15	-94.51	-10.27
89E040	34	58.91	117	57.23	2558.0	979485.63	F423	-5.13	-92.37	0.02	D	0.19	-93.11	-9.25
89E041	34	57.57	117	56.60	2480.0	979489.90	N213	-6.30	-90.89	0.02	D	0.17	-91.62	-8.37
89E042	34	52.89	117	54.96	2285.0	979487.57	B113	-20.35	-98.29	0.01	D	0.11	-99.03	-17.40
89E043	34	52.46	117	54.56	2325.0	979480.52	N213	-23.03	-102.33	0.01	D	0.09	-103.10	-21.54
89E044	34	51.64	117	56.26	2382.0	979475.96	C633	-21.08	-102.32	0.17	D	0.28	-102.92	-21.69
89E045	34	51.99	117	57.14	2322.0	979482.61	F423	-20.56	-99.76	0.00	D	0.11	-100.50	-19.24
89E046	34	51.13	117	57.11	2305.0	979479.31	C733	-24.24	-102.86	0.00	D	0.12	-103.59	-22.56
89E047	34	51.12	117	56.02	2290.0	979479.31	F423	-25.64	-103.74	0.01	D	0.13	-104.46	-23.32
89E048	34	51.55	117	54.95	2285.0	979479.34	B113	-26.68	-104.62	0.03	D	0.14	-105.33	-24.01
89E049	34	52.47	117	54.96	2321.0	979481.32	F423	-22.62	-101.79	0.01	D	0.09	-102.56	-21.03
89E050	34	53.74	117	54.96	2300.5	979490.95	N213	-16.71	-95.17	0.01	D	0.10	-95.93	-14.01
89E051	34	59.06	117	52.26	2286.0	979501.05	B113	-15.50	-93.47	0.02	D	0.08	-94.24	-10.44
89E052	34	59.17	117	51.70	2274.0	979498.64	N213	-19.19	-96.75	0.00	D	0.06	-97.54	-13.70
89E053	34	59.94	117	51.59	2300.0	979495.37	B113	-21.11	-99.56	0.01	D	0.06	-100.35	-16.21
89E054	34	59.74	117	50.66	2273.0	979495.78	Z113	-22.96	-100.48	0.02	D	0.07	-101.26	-17.20
89E055	34	59.55	117	49.67	2309.0	979494.30	B113	-20.78	-99.53	0.02	D	0.07	-100.32	-16.29
89E056	34	59.03	117	48.86	2291.0	979494.81	B113	-21.23	-99.37	0.02	D	0.06	-100.16	-16.29
89E057	34	58.70	117	48.34	2291.0	979495.59	B113	-19.98	-98.12	0.02	D	0.06	-98.91	-15.16
89E058	34	58.09	117	47.60	2288.0	979495.88	B113	-19.11	-97.15	0.02	D	0.06	-97.94	-14.33
89E059	34	56.84	117	47.12	2280.0	979494.55	Z123	-19.42	-97.19	0.01	D	0.08	-97.95	-14.64
89E060	34	57.59	117	46.90	2282.0	979495.96	B113	-18.89	-96.72	0.20	D	0.25	-97.32	-13.79
89E061	34	58.66	117	46.91	2280.0	979498.63	F433	-17.92	-95.68	0.00	D	0.04	-96.49	-12.67
89E062	34	59.93	117	46.40	2310.0	979496.13	X423	-19.39	-98.18	0.00	D	0.03	-99.01	-14.74
89E063	34	59.94	117	47.47	2300.0	979495.61	X423	-20.87	-99.32	0.00	D	0.03	-100.14	-15.91
89E064	34	59.07	117	38.95	2527.0	979483.46	F433	-10.44	-96.63	0.00	D	0.10	-97.45	-12.87
89E065	34	58.48	117	43.85	2338.0	979488.35	N213	-22.49	-102.23	0.01	D	0.08	-103.01	-19.00
89E066	34	58.35	117	44.96	2302.0	979495.79	N213	-18.25	-96.77	0.02	D	0.10	-97.52	-13.67
89E067	34	58.41	117	44.42	2314.0	979493.44	B113	-19.56	-98.48	0.01	D	0.09	-99.25	-15.32
89E068	34	58.87	117	45.35	2304.5	979495.53	N213	-19.01	-97.61	0.00	D	0.06	-98.41	-14.41
89E069	34	57.56	117	42.09	2494.0	979482.39	F423	-12.48	-97.54	0.00	D	0.26	-98.19	-14.27
89E070	35	2.30	117	49.50	2330.0	979495.22	N213	-21.78	-101.25	0.09	D	0.15	-101.96	-16.82

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
89E071	35	2.34	117	49.11	2518.0	979482.68	F423	-16.70	-102.58	0.91	D	1.11	-102.39	-17.27
89E072	34	50.33	117	42.20	2881.0	979440.44	F423	-7.82	-106.08	0.58	D	0.99	-106.11	-23.18
89E073	34	49.78	117	38.47	3110.0	979427.27	F423	1.32	-104.75	0.05	D	0.56	-105.26	-21.82
89E074	34	50.01	117	37.80	3160.0	979424.29	B113	2.72	-105.06	0.00	D	0.65	-105.49	-21.92
89E075	34	51.33	117	38.49	3090.0	979432.68	F423	2.66	-102.73	0.01	D	0.48	-103.31	-19.81
89E076	34	50.76	117	40.68	2879.0	979443.92	F423	-5.13	-103.32	0.00	D	0.29	-104.05	-20.84
89E077	34	53.98	117	42.84	2664.0	979464.29	F423	-9.53	-100.39	0.00	D	0.23	-101.12	-17.93
89E078	34	54.25	117	40.00	2926.0	979452.21	F423	2.64	-97.16	0.01	D	0.32	-97.86	-14.30
89E079	34	53.69	117	39.39	3068.0	979440.79	F423	5.37	-99.27	0.03	D	0.51	-99.82	-16.27
89E080	34	52.85	117	38.48	3019.0	979440.96	F423	2.12	-100.85	0.03	D	0.37	-101.53	-17.95
89E081	34	54.63	117	39.47	3008.0	979448.83	B113	6.44	-96.15	0.01	D	0.39	-96.81	-13.15
89E082	34	54.80	117	39.13	3048.0	979446.87	F423	8.00	-95.96	0.01	D	0.47	-96.54	-12.84
89E083	34	53.81	117	38.03	2977.0	979447.79	F423	3.64	-97.89	0.00	D	0.32	-98.61	-14.85
89E084	34	54.99	117	38.68	2983.0	979451.27	F423	6.01	-95.73	0.01	D	0.39	-96.38	-12.58
89E085	34	55.50	117	39.36	3129.0	979443.37	F423	11.12	-95.60	0.01	D	0.81	-95.86	-12.10
89E086	34	56.48	117	39.73	2812.0	979463.36	F423	-0.08	-95.99	0.01	D	0.34	-96.64	-12.70
89E087	34	56.46	117	40.52	2917.0	979455.07	F423	1.53	-97.96	0.09	D	0.59	-98.39	-14.56
89E088	34	56.98	117	40.87	3355.0	979425.82	C733	12.73	-101.70	3.19	D	6.38	-96.45	-12.62
89E089	34	56.43	117	41.03	3277.0	979429.72	F423	10.08	-101.69	1.78	D	3.65	-99.15	-15.42
89E090	34	56.19	117	41.74	3190.0	979436.73	F423	9.24	-99.56	0.60	D	2.20	-98.45	-14.83
89E091	34	54.46	117	42.24	2849.0	979454.72	F423	-2.38	-99.56	0.40	D	0.78	-99.78	-16.49
89E092	34	54.11	117	41.12	2813.0	979457.53	P113	-2.46	-98.40	0.00	D	0.26	-99.14	-15.72
89E093	34	54.76	117	43.57	2581.0	979470.78	F423	-11.95	-99.98	0.00	D	0.24	-100.67	-17.46
89E094	34	55.03	117	46.21	2318.0	979484.63	F423	-23.21	-102.27	0.01	D	0.12	-103.01	-20.04
89E095	34	54.51	117	47.43	2278.5	979483.21	P213	-27.61	-105.33	0.01	D	0.10	-106.07	-23.33
89E096	34	52.00	118	0.56	2408.0	979481.26	B113	-13.84	-95.97	0.04	D	0.25	-96.60	-15.44
89E097	34	51.32	117	59.87	2285.0	979486.04	B113	-19.66	-97.60	0.03	D	0.23	-98.22	-17.26
89E098	34	50.32	117	59.67	2402.0	979469.82	B113	-23.47	-105.39	0.85	D	1.05	-105.22	-24.57
89E099	34	49.92	117	59.70	2293.0	979473.41	B113	-29.56	-107.77	0.03	D	0.21	-108.41	-27.90
89E100	34	49.50	118	0.20	2292.0	979469.93	F423	-32.55	-110.72	0.00	D	0.17	-111.40	-31.03
89E101	34	50.26	117	58.23	2337.0	979473.15	F423	-26.16	-105.87	0.08	D	0.21	-106.53	-25.78
89E102	34	50.33	118	0.29	2299.0	979477.78	F423	-25.21	-103.62	0.01	D	0.18	-104.29	-23.64
89E103	34	50.30	117	59.55	2292.0	979477.29	B113	-26.31	-104.48	0.08	D	0.26	-105.07	-24.40
89E104	34	51.97	118	2.08	2371.0	979483.60	F423	-14.93	-95.80	0.02	D	0.23	-96.44	-15.30
89E105	34	51.97	118	2.44	2353.0	979484.75	B113	-15.47	-95.73	0.05	D	0.26	-96.34	-15.17
89E106	34	51.92	118	4.56	2274.0	979493.03	B113	-14.55	-92.11	0.00	D	0.24	-92.72	-11.51
89E107	34	51.82	118	6.64	2275.0	979489.92	B113	-17.43	-95.02	0.00	D	0.28	-95.59	-14.33
89E108	34	52.18	118	7.05	2743.0	979454.61	D223	-9.24	-102.79	3.31	D	4.84	-98.93	-17.55
89E109	34	52.90	118	6.53	2586.0	979468.44	F423	-11.19	-99.39	0.58	D	1.10	-99.22	-17.52
89E110	34	53.66	118	6.74	2531.0	979473.69	F423	-12.19	-98.51	0.04	D	0.35	-99.08	-16.92
89E111	34	54.90	118	6.71	2745.0	979462.40	F423	-5.10	-98.73	0.10	D	0.55	-99.15	-16.35
89E112	34	55.86	118	7.19	2592.0	979472.68	F423	-10.57	-98.97	0.00	D	0.33	-99.58	-16.19
89E113	34	56.35	118	4.38	2545.0	979477.73	F423	-10.63	-97.44	0.00	D	0.27	-98.09	-14.72
89E114	34	57.17	118	4.19	2502.0	979481.79	F423	-11.77	-97.11	0.00	D	0.25	-97.77	-13.98
89E115	34	58.10	118	4.64	2496.0	979479.99	F423	-15.46	-100.59	0.00	D	0.25	-101.25	-16.87
89E116	34	58.07	118	6.27	2516.0	979473.69	F423	-19.83	-105.64	0.00	D	0.30	-106.26	-21.64
89E117	34	58.74	118	5.71	2529.0	979471.14	F423	-22.10	-108.36	0.00	D	0.30	-108.98	-24.07
89E118	34	58.76	118	4.65	2506.0	979476.27	F423	-19.17	-104.64	0.00	D	0.27	-105.28	-20.54
89E119	34	59.80	118	3.82	2638.0	979470.63	F423	-13.86	-103.84	0.24	D	0.57	-104.22	-18.98
89E120	34	59.33	118	2.93	2505.0	979480.32	F423	-16.02	-101.46	0.00	D	0.24	-102.13	-17.30
89E121	34	58.26	118	1.74	2445.0	979486.39	B113	-14.08	-97.47	0.04	D	0.29	-98.08	-14.02
89E122	34	58.26	118	0.12	2426.0	979488.94	B113	-13.32	-96.06	0.10	D	0.33	-96.62	-12.78
89E123	34	59.02	118	0.82	2658.0	979471.51	F423	-10.00	-100.66	0.43	D	0.77	-100.84	-16.51
89E124	34	56.99	118	1.10	2757.0	979470.29	F423	0.95	-93.08	0.14	D	0.62	-93.44	-10.15
89E125	34	58.12	118	3.57	2474.0	979482.44	I413	-15.10	-99.48	0.00	D	0.24	-100.14	-15.92
89E126	34	52.93	118	10.00	2447.0	979470.95	B113	-21.79	-105.25	0.15	D	0.60	-105.55	-23.51
89E127	34	53.03	118	5.42	2454.0	979479.62	F423	-12.61	-96.30	0.03	D	0.32	-96.88	-15.12
89E128	34	54.38	118	5.65	2697.0	979465.27	F423	-6.01	-98.00	0.16	D	0.57	-98.39	-15.98
89E129	34	52.78	118	4.19	2429.0	979481.20	F423	-13.02	-95.87	0.07	D	0.36	-96.40	-14.87
89E130	34	54.55	118	3.41	3053.0	979445.47	F423	7.42	-96.71	1.03	D	2.36	-95.41	-13.17
89E131	34	54.66	118	4.05	3111.0	979440.57	F423	7.82	-98.29	1.58	D	3.23	-96.13	-13.77
89E132	34	55.49	118	2.78	2621.0	979473.60	F423	-6.40	-95.79	0.00	D	0.31	-96.43	-13.74
89E133	34	56.27	118	2.13	2654.0	979473.01	F423	-4.99	-95.51	0.00	D	0.26	-96.20	-13.15
89E134	34	55.36	118	1.27	2571.0	979479.07	F423	-5.45	-93.14	0.00	D	0.33	-93.74	-11.20
89E135	34	55.80	118	0.48	2991.0	979452.79	F423	7.15	-94.87	1.76	D	3.03	-92.88	-10.29
89E136	34	55.32	118	1.93	2571.0	979476.42	F423	-8.04	-95.73	0.00	D	0.35	-96.31	-13.74
89E137	34	54.22	118	1.89	2828.0	979460.92	F423	2.18	-94.27	0.33	D	0.87	-94.40	-12.36
89E138	34	54.27	118	2.37	2907.0	979455.06	F423	3.68	-95.47	0.73	D	1.50	-94.99	-12.92
89E139	34	53.80	118	3.19	2814.0	979459.02	F423	-0.44	-96.42	0.56	D	1.21	-96.20	-14.28
89E140	34	53.43	118	1.96	2616.0	979472.21	F423	-5.34	-94.57	0.02	D	0.35	-95.16	-13.42

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
89E141	34	53.97	118	1.24	2985.0	979450.12	F423	6.50	-95.31	0.78	D	2.06	-94.29	-12.42
89E142	34	53.60	118	0.60	2962.0	979450.30	F423	5.04	-95.99	1.82	D	3.18	-93.84	-12.14
89E143	34	51.60	118	9.70	2326.0	979482.17	B113	-20.07	-99.40	0.01	D	0.32	-99.94	-18.61
89E144	34	48.38	118	9.20	2306.0	979478.11	B113	-21.46	-100.11	0.01	D	0.25	-100.72	-21.01
89E145	34	45.76	118	8.74	2301.0	979468.77	B113	-27.58	-106.06	0.12	D	0.38	-106.53	-27.90
89E146	34	45.76	118	6.72	2303.0	979463.12	B113	-33.04	-111.59	0.04	D	0.27	-112.17	-33.39
89E147	34	47.52	118	4.58	2291.0	979467.47	F423	-32.30	-110.44	0.01	D	0.20	-111.09	-31.55
89E148	34	47.54	118	3.50	2292.0	979463.12	F423	-36.58	-114.76	0.00	D	0.18	-115.43	-35.82
89E149	34	46.67	118	3.51	2299.0	979457.47	F423	-40.35	-118.76	0.00	D	0.19	-119.42	-40.10
89E150	34	45.79	118	2.43	2318.0	979452.27	B113	-42.52	-121.58	0.00	D	0.20	-122.24	-43.03
89E151	34	46.62	118	1.37	2308.0	979454.53	F423	-42.37	-121.09	0.00	D	0.18	-121.76	-42.23
89E152	34	47.57	118	1.38	2296.0	979458.39	F423	-40.98	-119.29	0.00	D	0.16	-119.98	-40.17
89E153	34	47.58	118	0.29	2304.0	979456.70	F423	-41.94	-120.52	0.00	D	0.17	-121.20	-41.30
89E154	34	48.46	118	0.28	2297.0	979461.90	X423	-38.63	-116.98	0.00	D	0.16	-117.67	-37.56
89E155	34	48.48	117	59.21	2299.0	979461.44	B113	-38.93	-117.34	0.01	D	0.18	-118.02	-37.80
89E156	34	49.36	117	59.21	2288.0	979468.57	B113	-34.08	-112.12	0.02	D	0.20	-112.76	-32.34
89E157	34	46.71	117	58.15	2326.0	979453.54	F423	-41.79	-121.13	0.00	D	0.17	-121.82	-41.87
89E158	34	45.82	117	58.19	2340.0	979454.06	B113	-38.71	-118.52	0.00	D	0.19	-119.19	-39.37
89E159	34	46.49	117	57.07	2337.0	979454.57	F423	-39.42	-119.13	0.00	D	0.17	-119.82	-39.75
89E160	34	49.36	117	57.08	2287.0	979467.93	F423	-34.81	-112.81	0.00	D	0.15	-113.51	-32.92
89E161	34	50.38	117	54.88	2275.0	979472.28	F423	-33.04	-110.63	0.00	D	0.13	-111.34	-30.26
89E162	34	48.42	117	54.88	2310.0	979463.35	B113	-35.90	-114.69	0.01	D	0.15	-115.39	-34.67
89E163	34	47.54	117	54.91	2325.0	979460.61	B113	-35.99	-115.29	0.02	D	0.19	-115.96	-35.36
89E164	34	46.72	117	54.92	2341.0	979458.61	B113	-35.33	-115.17	0.01	D	0.19	-115.85	-35.39
89E165	34	45.84	117	54.97	2355.8	979456.54	P113	-34.76	-115.11	0.02	D	0.22	-115.76	-35.39
89E166	34	46.68	118	0.29	2315.0	979453.67	F423	-42.66	-121.62	0.00	D	0.19	-122.28	-42.62
89E167	34	50.26	117	44.19	2599.0	979454.56	F423	-20.11	-108.76	0.00	D	0.21	-109.49	-26.85
89E168	34	49.87	117	46.41	2499.0	979460.35	F423	-23.17	-108.41	0.00	D	0.20	-109.12	-26.90
89E169	34	49.63	117	47.86	2408.0	979467.33	F423	-24.42	-106.55	0.00	D	0.20	-107.23	-25.29
89E170	34	50.73	117	48.02	2348.0	979468.10	F423	-30.84	-110.93	0.00	D	0.14	-111.65	-29.59
89E171	34	52.43	117	46.35	2384.0	979472.49	F423	-25.47	-106.78	0.00	D	0.12	-107.54	-25.02
89E172	34	52.92	117	46.35	2364.0	979474.76	F423	-25.77	-106.40	0.00	D	0.11	-107.16	-24.59
89E173	34	52.92	117	47.06	2334.0	979476.05	F423	-27.30	-106.91	0.00	D	0.10	-107.67	-25.19
89E174	34	52.05	117	47.41	2350.0	979472.12	F423	-28.50	-108.65	0.00	D	0.11	-109.41	-27.09
89E175	34	53.72	117	46.34	2333.0	979478.82	F423	-25.76	-105.33	0.00	D	0.11	-106.08	-23.34
89E176	34	54.31	117	45.51	2379.0	979479.45	F423	-21.63	-102.77	0.00	D	0.11	-103.54	-20.62
89E177	34	53.98	117	45.18	2416.0	979476.97	F423	-20.17	-102.58	0.00	D	0.12	-103.34	-20.43
89E178	34	53.55	117	45.85	2367.0	979477.24	F423	-23.90	-104.63	0.00	D	0.12	-105.39	-22.64
89E179	34	53.11	117	45.86	2378.0	979475.41	F423	-24.07	-105.18	0.00	D	0.12	-105.93	-23.23
89E180	34	52.91	117	45.34	2419.0	979473.05	F423	-22.30	-104.80	0.00	D	0.13	-105.56	-22.86
89E181	34	52.21	117	44.06	2527.0	979465.97	F423	-18.23	-104.42	0.00	D	0.16	-105.18	-22.36
89E182	34	52.42	117	43.20	2592.0	979464.36	F423	-14.03	-102.44	0.00	D	0.19	-103.18	-20.22
89E183	34	51.61	117	43.20	2614.0	979461.87	F423	-13.30	-102.46	0.00	D	0.20	-103.20	-20.31
89E184	34	53.74	117	47.88	2285.0	979478.63	H213	-30.49	-108.42	0.01	D	0.09	-109.18	-26.65
89E185	34	52.88	117	48.18	2285.0	979478.34	F423	-29.57	-107.50	0.00	D	0.09	-108.26	-25.95
89E186	34	52.17	117	48.47	2292.0	979475.15	H213	-31.09	-109.26	0.00	D	0.10	-110.02	-27.84
89E187	34	51.08	117	48.80	2287.0	979471.49	H213	-33.68	-111.68	0.02	D	0.16	-112.37	-30.37
89E188	34	50.07	117	49.18	2296.0	979472.80	H213	-30.10	-108.41	0.00	D	0.18	-109.09	-27.27
89E189	34	49.36	117	49.39	2312.0	979474.05	H213	-26.34	-105.20	0.00	D	0.22	-105.83	-24.13
89E190	34	48.49	117	49.86	2332.0	979473.43	H213	-23.85	-103.39	0.00	D	0.29	-103.96	-22.41
89E191	34	48.69	117	52.64	2300.0	979471.65	B113	-28.92	-107.37	0.03	D	0.19	-108.03	-26.94
89E192	34	46.70	117	52.78	2385.0	979465.79	F423	-23.99	-105.33	0.01	D	0.27	-105.94	-25.11
89E193	34	45.81	117	53.71	2371.0	979461.74	F423	-28.10	-108.96	0.00	D	0.24	-109.60	-29.01
89E194	34	45.83	117	51.75	2623.0	979453.13	X423	-13.03	-102.49	0.07	D	0.50	-102.94	-21.99
89E195	34	45.38	117	50.13	2985.0	979431.29	X423	-0.20	-102.01	0.04	D	0.71	-102.34	-21.13
89E196	34	46.00	117	49.12	3174.0	979420.28	B113	5.69	-102.57	0.22	D	1.43	-102.22	-20.83
89E197	34	45.85	117	47.47	3135.0	979422.39	X423	4.34	-102.58	0.01	D	0.79	-102.87	-21.11
89E198	34	46.45	117	47.13	3175.0	979420.24	C633	5.11	-103.18	0.07	D	1.09	-103.18	-21.36
89E199	34	47.20	117	46.40	2901.0	979438.24	F423	-3.72	-102.66	0.06	D	0.53	-103.15	-21.10
89E200	34	48.53	117	46.41	2602.0	979456.61	H213	-15.34	-104.09	0.02	D	0.32	-104.70	-22.56
89E201	34	53.28	117	53.13	2282.5	979484.46	H213	-24.24	-102.09	0.01	D	0.09	-102.85	-20.95
89E202	34	52.67	117	52.82	2280.0	979479.10	F423	-28.98	-106.75	0.00	D	0.08	-107.51	-25.76
89E203	34	52.18	117	52.82	2277.0	979477.47	F423	-30.20	-107.86	0.00	D	0.09	-108.61	-26.95
89E204	34	51.71	117	53.80	2281.0	979476.94	F423	-29.69	-107.48	0.01	D	0.11	-108.22	-26.77
89E205	34	52.86	117	56.83	2335.0	979488.30	F423	-14.87	-94.51	0.00	D	0.11	-95.27	-13.75
89E206	34	52.85	117	57.10	2344.0	979488.06	F423	-14.25	-94.20	0.00	D	0.12	-94.94	-13.44
89E207	34	52.67	117	56.82	2328.5	979487.17	F423	-16.35	-95.77	0.00	D	0.11	-96.52	-15.06
89E208	34	52.16	117	56.73	2320.0	979482.76	F423	-20.84	-99.97	0.00	D	0.11	-100.72	-19.38
89E209	34	53.27	117	57.56	2381.4	979487.32	P313	-12.07	-93.29	0.01	D	0.14	-94.03	-12.37
89E210	34	53.22	117	57.44	2377.2	979487.34	P313	-12.37	-93.45	0.00	D	0.13	-94.20	-12.56

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
89E211	34	53.18	117	57.35	2369.1	979487.59	P313	-12.83	-93.63	0.00	D	0.12	-94.39	-12.75
89E212	34	53.14	117	57.26	2363.3	979487.83	P313	-13.08	-93.69	0.00	D	0.12	-94.44	-12.80
89E213	34	53.11	117	57.17	2359.2	979487.87	P313	-13.38	-93.85	0.00	D	0.12	-94.60	-12.97
89E214	34	53.07	117	57.08	2353.6	979487.98	P313	-13.74	-94.02	0.00	D	0.12	-94.76	-13.15
89E215	34	53.04	117	57.00	2347.6	979488.07	P313	-14.18	-94.25	0.00	D	0.12	-94.99	-13.38
89E216	34	52.98	117	56.90	2343.7	979488.13	P313	-14.40	-94.33	0.00	D	0.11	-95.09	-13.51
89E217	34	52.94	117	56.81	2338.1	979488.13	P313	-14.87	-94.62	0.00	D	0.11	-95.37	-13.82
89E218	34	52.91	117	56.73	2335.2	979488.14	P313	-15.09	-94.73	0.00	D	0.11	-95.49	-13.95
89E219	34	52.86	117	56.62	2328.8	979488.18	P313	-15.58	-95.01	0.00	D	0.11	-95.76	-14.23
89E220	34	52.80	117	56.56	2324.4	979487.93	P313	-16.15	-95.43	0.00	D	0.11	-96.18	-14.66
89E221	34	52.74	117	56.50	2320.3	979487.76	P313	-16.62	-95.76	0.00	D	0.11	-96.51	-15.01
89E222	34	52.68	117	56.44	2316.3	979487.42	P313	-17.26	-96.26	0.00	D	0.11	-97.01	-15.53
89E223	34	52.61	117	56.39	2314.4	979487.02	P313	-17.74	-96.68	0.00	D	0.11	-97.42	-15.95
89E224	34	52.54	117	56.31	2311.5	979486.04	P313	-18.89	-97.73	0.00	D	0.11	-98.47	-17.01
89E225	34	52.48	117	56.25	2308.8	979485.02	P313	-20.08	-98.83	0.00	D	0.11	-99.57	-18.12
89E226	34	52.41	117	56.24	2315.0	979483.57	F423	-20.85	-99.81	0.01	D	0.11	-100.56	-19.13
89E227	34	52.34	117	56.16	2322.7	979481.66	P313	-21.94	-101.16	0.01	D	0.11	-101.91	-20.49
89E228	34	52.27	117	56.10	2313.8	979481.21	P313	-23.12	-102.04	0.00	D	0.10	-102.79	-21.38
89E229	34	52.20	117	56.04	2310.0	979480.62	P313	-23.97	-102.76	0.00	D	0.10	-103.52	-22.12
89E230	34	52.13	117	55.98	2308.4	979480.22	P313	-24.42	-103.16	0.00	D	0.10	-103.91	-22.53
89E231	34	52.06	117	55.91	2307.6	979480.09	P313	-24.53	-103.23	0.00	D	0.10	-103.99	-22.63
89E232	34	52.02	117	55.84	2311.9	979479.96	P313	-24.20	-103.05	0.00	D	0.10	-103.81	-22.47
89E233	34	51.98	117	55.75	2305.4	979480.56	P313	-24.15	-102.78	0.00	D	0.10	-103.54	-22.19
89E234	34	51.93	117	55.61	2306.8	979480.58	P313	-23.93	-102.61	0.01	D	0.11	-103.36	-22.02
89E235	34	51.88	117	55.51	2310.0	979480.61	F423	-23.53	-102.32	0.02	D	0.11	-103.06	-21.72
89E236	35	0.71	117	54.66	2376.0	979496.57	B113	-13.85	-94.89	0.03	D	0.12	-95.64	-11.05
89E237	35	0.71	117	52.82	2327.0	979498.40	B113	-16.63	-96.00	0.03	D	0.10	-96.76	-12.26
89E238	35	0.51	117	50.28	2283.0	979494.67	B113	-24.21	-102.08	0.01	D	0.05	-102.88	-18.50
89E239	35	0.13	117	46.42	2315.0	979495.63	B113	-19.71	-98.66	0.00	D	0.02	-99.50	-15.16
89E240	34	56.78	117	43.98	2364.0	979487.55	F423	-18.44	-99.07	0.00	D	0.17	-99.77	-16.18
89E241	34	56.39	117	44.26	2373.0	979487.13	F423	-17.46	-98.40	0.00	D	0.16	-99.11	-15.62
89E242	34	55.27	117	45.57	2358.0	979483.15	F423	-21.27	-101.69	0.00	D	0.10	-102.46	-19.38
89E243	34	55.75	117	45.49	2478.0	979478.87	F423	-14.94	-99.46	0.00	D	0.15	-100.22	-17.04
89E244	34	55.95	117	45.70	2579.0	979472.78	F423	-11.82	-99.78	0.00	D	0.40	-100.31	-17.14
89E245	34	57.14	117	46.59	2300.0	979493.46	C743	-19.06	-97.51	0.02	D	0.09	-98.27	-14.85
89E246	34	57.15	117	45.73	2346.0	979490.64	F423	-17.57	-97.59	0.04	D	0.11	-98.34	-14.83
89E247	34	51.28	118	5.92	2275.0	979490.25	F423	-16.33	-93.93	0.00	D	0.21	-94.56	-13.58
89E248	34	49.04	118	5.38	2273.0	979483.94	P313	-19.67	-97.19	0.00	D	0.19	-97.85	-17.84
89E249	34	51.21	118	3.72	2273.0	979489.88	F423	-16.80	-94.32	0.00	D	0.19	-94.98	-14.07
89E250	34	45.24	118	8.72	2303.3	979467.09	H213	-28.31	-106.86	0.00	D	0.26	-107.46	-29.00
89E251	34	44.64	118	8.57	2306.0	979465.62	B113	-28.68	-107.33	0.07	D	0.34	-107.84	-29.58
89E252	34	46.63	118	6.74	2290.0	979470.24	F423	-28.37	-106.47	0.00	D	0.22	-107.10	-28.03
89E253	34	47.75	118	5.67	2273.0	979477.46	C533	-24.33	-101.85	0.00	D	0.21	-102.49	-22.94
89E254	34	47.53	118	5.68	2285.7	979474.91	H213	-25.38	-103.34	0.00	D	0.21	-103.97	-24.50
89E255	34	47.52	118	6.21	2277.0	979476.75	B113	-24.34	-102.00	0.01	D	0.23	-102.62	-23.17
89E256	34	48.46	117	44.26	2759.0	979447.00	F423	-10.09	-104.19	0.00	D	0.28	-104.90	-22.39
89E257	34	49.40	117	44.27	2661.0	979452.47	X423	-15.17	-105.92	0.00	D	0.24	-106.64	-24.10
89E258	34	49.39	117	43.20	2718.0	979448.20	X423	-14.06	-106.76	0.00	D	0.24	-107.49	-24.75
89E259	34	49.38	117	42.13	2712.0	979448.94	X423	-13.87	-106.37	0.00	D	0.25	-107.08	-24.18
89E260	34	48.47	117	43.21	2834.0	979441.87	F423	-8.18	-104.84	0.02	D	0.33	-105.51	-22.80
89E261	34	47.58	117	42.12	2814.0	979440.98	B113	-9.70	-105.67	0.00	D	0.32	-106.35	-23.46
89E262	34	47.56	117	41.06	2858.0	979438.27	F423	-8.24	-105.72	0.00	D	0.35	-106.37	-23.26
89E263	34	48.46	117	41.06	2796.0	979444.03	X423	-9.58	-104.95	0.00	D	0.29	-105.65	-22.56
89E264	34	46.70	117	39.98	3032.0	979425.63	X423	-3.31	-106.72	0.28	D	0.70	-107.07	-23.80
89E265	34	47.22	117	39.90	2924.0	979433.35	F533	-6.47	-106.20	0.01	D	0.39	-106.84	-23.54
89E266	34	46.67	117	37.88	2943.0	979429.79	F423	-7.47	-107.84	0.00	D	0.33	-108.54	-24.90
89E267	34	46.68	117	38.93	2946.0	979430.90	X423	-6.09	-106.57	0.01	D	0.35	-107.25	-23.80
89E268	34	45.81	117	38.94	2966.0	979427.84	F423	-6.04	-107.21	0.00	D	0.35	-107.89	-24.39
89E269	34	45.17	117	39.98	2985.0	979424.36	F423	-6.83	-108.64	0.00	D	0.36	-109.32	-25.96
89E270	34	45.82	117	39.98	3021.0	979424.36	F423	-4.37	-107.41	0.00	D	0.40	-108.05	-24.74
89E271	34	45.26	117	41.56	2970.0	979426.59	H213	-6.14	-107.44	0.00	D	0.36	-108.12	-25.08
89E272	34	45.96	117	41.71	2948.0	979428.11	H213	-7.68	-108.23	0.02	D	0.40	-108.86	-25.87
89E273	34	46.70	117	43.18	2885.0	979435.37	F423	-7.39	-105.79	0.00	D	0.35	-106.45	-23.77
89E274	34	45.82	117	43.19	3013.0	979426.40	F423	-3.08	-105.85	0.02	D	0.43	-106.46	-23.79
89E275	34	45.83	117	44.26	3038.0	979425.67	F423	-1.47	-105.09	0.02	D	0.47	-105.67	-23.22
89E276	34	46.70	117	44.25	2932.0	979434.26	F423	-4.08	-104.08	0.01	D	0.40	-104.71	-22.26
89E277	34	45.85	117	45.34	3058.0	979425.51	F423	0.22	-104.08	0.01	D	0.52	-104.62	-22.39
89E278	34	46.74	117	45.34	2955.0	979433.13	F423	-3.10	-103.89	0.06	D	0.50	-104.42	-22.19
89E279	34	52.46	117	54.14	2349.0	979478.03	F423	-23.26	-103.38	0.12	D	0.20	-104.05	-22.47
89E280	34	50.71	117	54.95	2280.0	979473.99	B113	-31.32	-109.08	0.01	D	0.12	-109.81	-28.66

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
89E281	34	57.10	117	45.24	2352.0	979489.71	F423	-17.86	-98.08	0.00	D	0.08	-98.87	-15.34
89E282	34	55.99	117	47.15	2279.0	979490.55	B113	-22.32	-100.05	0.00	D	0.10	-100.80	-17.69
89E283	34	55.43	117	46.53	2334.0	979486.36	F423	-20.54	-100.15	0.06	D	0.14	-100.87	-17.85
89E284	34	46.53	117	49.77	2785.0	979445.48	F423	-6.44	-101.43	0.10	D	0.65	-101.77	-20.42
89E285	34	46.72	117	49.29	2821.0	979444.04	F423	-4.76	-100.98	0.16	D	0.72	-101.25	-19.80
89E286	34	47.32	117	47.46	2835.0	979443.51	F623	-4.83	-101.52	0.06	D	0.55	-101.97	-20.12
89E287	34	49.39	117	45.34	2621.0	979454.92	I423	-16.46	-105.86	0.00	D	0.24	-106.56	-24.21
89E288	34	42.70	118	5.78	2366.0	979448.85	C623	-37.06	-117.76	0.00	D	0.29	-118.34	-40.36
89E289	34	57.74	117	53.75	2370.0	979501.14	B113	-5.64	-86.47	0.00	D	0.10	-87.25	-3.99
89E300	34	51.88	117	55.51	2307.6	979480.81	P313	-23.56	-102.26	0.02	D	0.12	-103.00	-21.66
89E301	34	51.92	117	57.10	2318.0	979482.07	P313	-21.37	-100.43	0.00	D	0.12	-101.17	-19.92
89E302	34	51.84	117	57.10	2317.5	979481.59	P313	-21.79	-100.84	0.00	D	0.11	-101.58	-20.35
89E303	34	51.74	117	57.10	2314.0	979481.12	P313	-22.45	-101.37	0.00	D	0.11	-102.12	-20.93
89E304	34	51.65	117	57.10	2312.5	979480.78	P313	-22.80	-101.67	0.00	D	0.12	-102.41	-21.24
89E305	34	51.57	117	57.10	2310.2	979480.58	P313	-23.11	-101.90	0.00	D	0.12	-102.64	-21.49
89E306	34	51.48	117	57.10	2308.9	979480.36	P313	-23.32	-102.07	0.00	D	0.12	-102.81	-21.69
89E307	34	51.40	117	57.10	2315.4	979479.91	P313	-23.05	-102.02	0.00	D	0.11	-102.76	-21.66
89E308	34	51.31	117	57.10	2311.6	979479.76	P313	-23.43	-102.27	0.00	D	0.11	-103.01	-21.93
89E309	34	51.18	117	57.08	2306.9	979479.11	P313	-24.33	-103.01	0.00	D	0.12	-103.75	-22.72
89E310	34	51.09	117	57.09	2305.9	979478.77	P313	-24.64	-103.29	0.00	D	0.12	-104.02	-23.01
89E311	34	50.99	117	57.09	2303.6	979478.66	P313	-24.83	-103.39	0.00	D	0.12	-104.13	-23.14
89E312	34	50.85	117	57.01	2293.7	979478.64	P313	-25.58	-103.81	0.00	D	0.12	-104.54	-23.56
89E313	34	50.75	117	56.93	2289.7	979477.95	P313	-26.51	-104.60	0.00	D	0.13	-105.32	-24.37
89E314	34	50.66	117	56.83	2284.1	979477.62	P313	-27.23	-105.14	0.00	D	0.13	-105.85	-24.91
89E315	34	52.08	117	57.11	2322.7	979483.53	P313	-19.70	-98.92	0.00	D	0.11	-99.67	-18.38
89E316	34	52.17	117	57.11	2325.9	979484.35	P313	-18.70	-98.03	0.00	D	0.11	-98.78	-17.47
89E317	34	52.26	117	57.11	2327.3	979485.57	P313	-17.48	-96.86	0.00	D	0.11	-97.61	-16.28
89E318	34	52.33	117	57.11	2328.8	979486.23	P313	-16.78	-96.21	0.00	D	0.11	-96.96	-15.61
89E319	34	52.43	117	57.11	2331.3	979487.14	P313	-15.77	-95.29	0.00	D	0.11	-96.04	-14.65
89E320	34	52.51	117	57.11	2332.3	979487.47	P313	-15.46	-95.01	0.00	D	0.11	-95.76	-14.36
89E321	34	52.60	117	57.11	2334.0	979487.58	P313	-15.32	-94.93	0.00	D	0.12	-95.67	-14.25
89E322	34	52.69	117	57.11	2337.5	979487.76	P313	-14.94	-94.66	0.00	D	0.12	-95.41	-13.95
89E323	34	52.77	117	57.12	2339.6	979487.82	P313	-14.80	-94.59	0.00	D	0.12	-95.34	-13.85
89E324	34	52.84	117	57.12	2341.3	979488.13	P313	-14.43	-94.28	0.00	D	0.12	-95.03	-13.53
89E325	34	52.89	117	57.21	2345.9	979488.16	P313	-14.04	-94.05	0.00	D	0.12	-94.79	-13.28
89E326	34	52.91	117	57.34	2351.5	979488.15	P313	-13.54	-93.74	0.00	D	0.12	-94.49	-12.97
89E327	34	51.99	117	56.99	2319.1	979482.11	P313	-21.33	-100.43	0.00	D	0.11	-101.18	-19.91
89E328	34	51.98	117	56.89	2316.8	979481.36	P313	-22.28	-101.30	0.00	D	0.11	-102.05	-20.78
89E329	34	51.96	117	56.77	2314.3	979480.80	P313	-23.05	-101.98	0.00	D	0.11	-102.73	-21.45
89E330	34	51.95	117	56.66	2314.1	979480.53	P313	-23.33	-102.25	0.00	D	0.11	-103.00	-21.71
89E331	34	51.93	117	56.57	2313.3	979480.26	P313	-23.64	-102.54	0.00	D	0.11	-103.29	-22.00
89E332	34	51.91	117	56.45	2311.2	979480.00	P313	-24.07	-102.90	0.00	D	0.11	-103.64	-22.35
89E333	34	51.91	117	56.35	2312.2	979479.77	P313	-24.20	-103.07	0.00	D	0.11	-103.81	-22.52
89E334	34	51.91	117	56.24	2313.6	979479.54	P313	-24.30	-103.21	0.00	D	0.10	-103.97	-22.68
89E335	34	51.90	117	56.16	2315.8	979479.58	P313	-24.05	-103.03	0.00	D	0.10	-103.79	-22.50
89E336	34	51.81	117	56.19	2325.7	979479.51	P313	-23.06	-102.38	0.01	D	0.10	-103.14	-21.87
89E337	34	51.71	117	56.21	2344.0	979478.36	P313	-22.34	-102.29	0.01	D	0.11	-103.05	-21.80
89E338	34	53.60	117	56.83	2434.4	979484.32	P313	-10.55	-93.58	0.00	D	0.13	-94.34	-12.57
89E339	34	53.52	117	56.83	2408.5	979485.57	P313	-11.63	-93.78	0.00	D	0.12	-94.54	-12.78
89E340	34	53.42	117	56.83	2392.8	979486.37	P313	-12.16	-93.77	0.00	D	0.11	-94.54	-12.81
89E341	34	53.33	117	56.83	2380.3	979486.78	P313	-12.80	-93.98	0.00	D	0.11	-94.75	-13.06
89E342	34	53.25	117	56.83	2364.2	979487.45	P313	-13.53	-94.17	0.00	D	0.11	-94.93	-13.25
89E343	34	53.15	117	56.83	2359.3	979487.50	P313	-13.80	-94.27	0.00	D	0.11	-95.03	-13.37
89E344	34	53.07	117	56.83	2352.1	979487.76	P313	-14.10	-94.33	0.00	D	0.11	-95.08	-13.45
89E345	34	53.00	117	56.83	2342.9	979488.06	P313	-14.57	-94.48	0.00	D	0.11	-95.23	-13.63
89E346	34	52.91	117	56.83	2336.8	979488.22	P313	-14.85	-94.56	0.00	D	0.11	-95.31	-13.78
89E347	34	52.82	117	56.83	2332.2	979488.08	P313	-15.30	-94.85	0.00	D	0.11	-95.60	-14.09
89E348	34	52.75	117	56.83	2329.6	979487.81	P313	-15.72	-95.17	0.00	D	0.11	-95.92	-14.43
89E349	34	52.57	117	56.83	2326.4	979487.00	P313	-16.58	-95.92	0.00	D	0.11	-96.67	-15.24
89E350	34	52.48	117	56.83	2322.8	979486.56	P313	-17.22	-96.45	0.00	D	0.11	-97.20	-15.79
89E351	34	52.41	117	56.83	2323.1	979485.95	P313	-17.71	-96.94	0.00	D	0.11	-97.69	-16.30
89E352	34	52.31	117	56.83	2321.7	979485.19	P313	-18.46	-97.65	0.00	D	0.11	-98.40	-17.04
89E353	34	52.22	117	56.83	2320.4	979484.46	P313	-19.18	-98.32	0.00	D	0.11	-99.07	-17.73
89E354	34	52.42	117	56.78	2321.4	979485.96	P313	-17.88	-97.05	0.00	D	0.11	-97.80	-16.41
89E355	34	52.18	117	57.08	2325.3	979484.31	P313	-18.82	-98.12	0.00	D	0.11	-98.87	-17.55
89E356	34	52.08	117	56.71	2316.9	979481.44	P313	-22.33	-101.36	0.00	D	0.11	-102.10	-20.78
89E357	34	52.01	117	56.66	2315.5	979480.81	P313	-23.00	-101.97	0.00	D	0.11	-102.72	-21.42
89E358	34	52.00	117	56.56	2314.4	979480.51	P313	-23.39	-102.33	0.00	D	0.11	-103.07	-21.76
89E359	34	51.59	117	56.99	2309.7	979479.81	P313	-23.94	-102.72	0.00	D	0.12	-103.46	-22.31
89E360	34	51.52	117	56.92	2311.6	979480.35	P313	-23.13	-101.97	0.00	D	0.11	-102.72	-21.57

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
89E361	34	51.48	117	56.84	2315.4	979479.81	P313	-23.26	-102.23	0.00	D	0.11	-102.98	-21.84
89E362	34	51.44	117	56.75	2312.5	979479.19	P313	-24.09	-102.96	0.00	D	0.11	-103.71	-22.57
89E363	34	51.36	117	56.70	2309.1	979479.05	P313	-24.44	-103.20	0.00	D	0.11	-103.94	-22.81
89E364	34	51.30	117	56.61	2307.9	979478.54	P313	-24.98	-103.69	0.00	D	0.11	-104.44	-23.31
89E365	34	51.25	117	56.52	2304.6	979478.45	P313	-25.31	-103.91	0.00	D	0.11	-104.66	-23.54
89E366	34	51.19	117	56.45	2301.9	979478.40	P313	-25.53	-104.04	0.00	D	0.11	-104.78	-23.67
89E367	34	51.13	117	56.41	2297.1	979478.49	P313	-25.80	-104.15	0.00	D	0.12	-104.88	-23.78
89E368	34	51.12	117	56.29	2296.0	979478.98	P313	-25.40	-103.71	0.00	D	0.12	-104.44	-23.32
89E369	34	51.12	117	56.18	2293.7	979479.28	P313	-25.32	-103.55	0.00	D	0.11	-104.29	-23.16
89E370	34	51.12	117	56.07	2292.8	979479.24	P313	-25.44	-103.64	0.00	D	0.11	-104.38	-23.25
89E371	34	51.01	117	56.03	2289.1	979478.34	P313	-26.54	-104.61	0.00	D	0.11	-105.35	-24.23
89E372	34	50.92	117	56.03	2292.6	979477.65	P313	-26.77	-104.96	0.00	D	0.12	-105.69	-24.59
89E373	34	50.82	117	56.03	2287.5	979477.36	P313	-27.40	-105.42	0.00	D	0.12	-106.15	-25.08
89E374	34	50.74	117	55.98	2284.3	979476.89	P313	-28.06	-105.97	0.00	D	0.12	-106.70	-25.65
89E375	34	51.79	117	54.98	2294.9	979480.45	P313	-24.99	-103.26	0.00	D	0.10	-104.01	-22.63
89E376	34	52.13	117	54.96	2299.3	979480.90	P313	-24.60	-103.02	0.00	D	0.10	-103.77	-22.31
89E377	34	52.27	117	54.96	2303.0	979481.22	P313	-24.13	-102.68	0.00	D	0.09	-103.44	-21.94
89E378	34	52.37	117	54.96	2312.5	979481.25	P313	-23.35	-102.22	0.00	D	0.09	-102.99	-21.48
89E379	34	52.56	117	54.96	2308.3	979482.90	P313	-22.36	-101.09	0.00	D	0.08	-101.87	-20.31
89E380	34	52.84	117	54.95	2285.4	979487.50	P313	-20.31	-98.26	0.00	D	0.10	-99.01	-17.39
89E381	34	52.96	117	54.95	2283.7	979488.46	P313	-19.68	-97.57	0.00	D	0.10	-98.32	-16.63
89E382	34	53.06	117	54.95	2285.0	979489.05	P313	-19.11	-97.04	0.00	D	0.10	-97.79	-16.08
89E383	34	53.21	117	54.95	2287.5	979489.51	P313	-18.62	-96.64	0.00	D	0.10	-97.39	-15.64
89E384	34	53.31	117	54.94	2290.2	979489.72	P313	-18.31	-96.42	0.00	D	0.10	-97.17	-15.39
89E385	34	53.40	117	54.94	2291.8	979490.08	P313	-17.92	-96.09	0.00	D	0.10	-96.84	-15.03
89E386	34	53.50	117	54.94	2293.4	979490.47	P313	-17.52	-95.74	0.00	D	0.10	-96.49	-14.65
89E387	34	53.59	117	54.94	2293.9	979489.68	P313	-18.39	-96.63	0.00	D	0.10	-97.38	-15.52
89E388	34	51.99	117	57.63	2331.8	979484.89	P313	-17.36	-96.89	0.00	D	0.12	-97.63	-16.38
89E389	34	51.92	117	57.63	2328.5	979484.65	P313	-17.81	-97.22	0.00	D	0.12	-97.97	-16.74
89E390	34	51.85	117	57.63	2324.2	979484.48	P313	-18.28	-97.55	0.00	D	0.12	-98.29	-17.08
89E391	34	51.76	117	57.62	2319.4	979484.07	P313	-19.02	-98.12	0.00	D	0.13	-98.85	-17.66
89E392	34	51.67	117	57.62	2316.0	979483.81	P313	-19.47	-98.46	0.00	D	0.13	-99.19	-18.03
89E393	34	51.58	117	57.62	2312.8	979483.31	P313	-20.15	-99.03	0.00	D	0.13	-99.76	-18.62
89E394	34	51.49	117	57.64	2309.5	979482.93	P313	-20.70	-99.47	0.00	D	0.13	-100.20	-19.10
89E395	34	51.45	117	57.72	2307.8	979482.76	P313	-20.98	-99.69	0.00	D	0.13	-100.42	-19.33
89E396	34	51.38	117	57.77	2305.4	979482.44	P313	-21.42	-100.05	0.00	D	0.13	-100.78	-19.71
89E397	34	51.29	117	57.86	2301.1	979482.10	P313	-22.04	-100.53	0.00	D	0.14	-101.24	-20.19
89E398	34	51.26	117	57.94	2301.2	979481.97	P313	-22.12	-100.61	0.00	D	0.14	-101.32	-20.28
89E399	34	51.24	117	58.01	2299.9	979482.15	P313	-22.04	-100.48	0.00	D	0.14	-101.19	-20.17
89E400	34	52.00	117	58.18	2342.4	979485.18	P313	-16.09	-95.98	0.00	D	0.13	-96.72	-15.49
89E401	34	51.92	117	58.17	2334.3	979485.33	P313	-16.58	-96.20	0.00	D	0.13	-96.93	-15.72
89E402	34	51.84	117	58.17	2328.3	979485.22	P313	-17.15	-96.56	0.00	D	0.13	-97.29	-16.11
89E403	34	51.75	117	58.17	2321.5	979485.16	P313	-17.71	-96.89	0.00	D	0.14	-97.61	-16.43
89E404	34	51.67	117	58.17	2315.4	979485.02	P313	-18.32	-97.29	0.00	D	0.14	-98.01	-16.86
89E405	34	51.58	117	58.17	2311.2	979484.75	P313	-18.86	-97.69	0.00	D	0.14	-98.40	-17.28
89E406	34	51.50	117	58.17	2308.3	979484.40	P313	-19.36	-98.09	0.00	D	0.14	-98.81	-17.72
89E407	34	51.41	117	58.16	2306.1	979483.73	P313	-20.11	-98.77	0.00	D	0.14	-99.48	-18.42
89E408	34	51.33	117	58.16	2303.5	979483.12	P313	-20.85	-99.42	0.00	D	0.15	-100.12	-19.08
89E409	34	51.23	117	58.16	2302.3	979482.30	P313	-21.64	-100.17	0.00	D	0.14	-100.88	-19.86
89E410	34	51.16	117	58.16	2304.0	979481.53	P313	-22.16	-100.74	0.00	D	0.14	-101.46	-20.46
89E411	34	51.07	117	58.17	2300.7	979480.91	P313	-22.96	-101.43	0.00	D	0.14	-102.14	-21.17
89E412	34	50.99	117	58.21	2294.8	979480.82	P313	-23.49	-101.76	0.00	D	0.15	-102.46	-21.51
89E413	34	50.91	117	58.25	2290.6	979480.80	P313	-23.79	-101.92	0.00	D	0.15	-102.62	-21.70
89E414	34	50.80	117	58.21	2285.8	979480.54	P313	-24.35	-102.32	0.00	D	0.16	-103.00	-22.10
89E415	34	50.70	117	58.20	2286.7	979479.95	P313	-24.72	-102.71	0.00	D	0.16	-103.40	-22.52
89E416	34	50.61	117	58.41	2303.4	979477.35	P313	-25.47	-104.04	0.00	D	0.14	-104.75	-23.95
89E417	34	50.44	117	58.40	2295.2	979477.49	P313	-26.01	-104.29	0.00	D	0.15	-105.00	-24.21
89E418	34	50.35	117	58.36	2291.1	979477.12	P313	-26.63	-104.78	0.00	D	0.15	-105.48	-24.72
89E419	34	50.26	117	58.35	2284.6	979476.70	P313	-27.54	-105.46	0.00	D	0.16	-106.15	-25.41
89E420	34	50.18	117	58.31	2285.3	979475.77	P313	-28.30	-106.24	0.00	D	0.16	-106.93	-26.21
89E421	34	52.01	117	58.83	2347.6	979485.06	P313	-15.73	-95.80	0.00	D	0.16	-96.50	-15.31
89E422	34	51.94	117	58.76	2341.5	979484.89	P313	-16.38	-96.24	0.00	D	0.15	-96.95	-15.77
89E423	34	51.84	117	58.73	2334.2	979484.76	P313	-17.05	-96.67	0.00	D	0.16	-97.37	-16.21
89E424	34	51.74	117	58.69	2325.0	979484.90	P313	-17.64	-96.94	0.00	D	0.15	-97.65	-16.51
89E425	34	51.66	117	58.66	2317.8	979485.01	P313	-18.08	-97.14	0.00	D	0.16	-97.84	-16.73
89E426	34	51.57	117	58.63	2311.3	979484.90	P313	-18.68	-97.51	0.00	D	0.16	-98.21	-17.12
89E427	34	51.49	117	58.60	2304.5	979484.89	P313	-19.21	-97.81	0.00	D	0.16	-98.51	-17.44
89E428	34	51.41	117	58.57	2299.0	979484.71	P313	-19.80	-98.21	0.00	D	0.17	-98.90	-17.86
89E429	34	51.32	117	58.55	2293.1	979484.35	P313	-20.59	-98.80	0.00	D	0.17	-99.48	-18.45
89E430	34	51.23	117	58.51	2291.7	979483.74	P313	-21.20	-99.36	0.00	D	0.17	-100.04	-19.04

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
89E431	34	51.15	117	58.48	2290.6	979482.94	P313	-22.00	-100.12	0.00	D	0.17	-100.80	-19.82
89E432	34	50.79	117	58.60	2298.0	979479.90	P313	-23.83	-102.21	0.00	D	0.16	-102.90	-22.02
89E433	34	50.72	117	58.68	2294.5	979479.76	P313	-24.20	-102.46	0.00	D	0.16	-103.15	-22.29
89E434	34	51.93	118	0.46	2392.3	979482.01	P313	-14.46	-96.06	0.00	D	0.20	-96.74	-15.59
89E435	34	51.84	118	0.36	2373.7	979482.78	P313	-15.32	-96.28	0.00	D	0.19	-96.96	-15.85
89E436	34	51.76	118	0.28	2358.5	979483.42	P313	-15.99	-96.43	0.00	D	0.19	-97.11	-16.02
89E437	34	51.69	118	0.21	2344.3	979483.87	P313	-16.78	-96.74	0.02	D	0.21	-97.39	-16.32
89E438	34	51.62	118	0.14	2332.6	979484.49	P313	-17.16	-96.72	0.00	D	0.19	-97.39	-16.36
89E439	34	51.56	118	0.08	2326.3	979484.55	P313	-17.60	-96.95	0.00	D	0.18	-97.63	-16.61
89E440	34	51.49	118	0.02	2311.5	979485.17	P313	-18.27	-97.11	0.01	D	0.20	-97.77	-16.77
89E441	34	51.42	117	59.96	2295.6	979485.82	P313	-19.03	-97.32	0.00	D	0.20	-97.98	-17.00
89E442	34	51.35	117	59.89	2286.7	979486.21	P313	-19.37	-97.36	0.01	D	0.22	-97.99	-17.03
89E443	34	51.29	117	59.82	2281.3	979486.01	P313	-19.99	-97.80	0.00	D	0.21	-98.44	-17.48
89E444	34	51.21	117	59.77	2279.5	979485.47	P313	-20.60	-98.34	0.00	D	0.21	-98.98	-18.05
89E445	34	51.13	117	59.74	2280.0	979484.71	P313	-21.19	-98.96	0.00	D	0.21	-99.59	-18.68
89E446	34	51.04	117	59.72	2281.1	979483.90	P313	-21.77	-99.57	0.00	D	0.20	-100.22	-19.33
89E447	34	50.96	117	59.70	2280.2	979483.15	P313	-22.50	-100.27	0.00	D	0.20	-100.92	-20.05
89E448	34	50.88	117	59.68	2281.2	979482.41	P313	-23.03	-100.83	0.00	D	0.20	-101.48	-20.65
89E449	34	50.79	117	59.66	2280.7	979481.72	P313	-23.64	-101.43	0.00	D	0.20	-102.07	-21.26
89E450	34	50.71	117	59.64	2280.5	979480.99	P313	-24.27	-102.05	0.00	D	0.20	-102.70	-21.92
89E451	34	50.62	117	59.61	2280.6	979480.06	P313	-25.06	-102.85	0.00	D	0.20	-103.50	-22.73
89E452	34	50.54	117	59.59	2280.6	979479.56	P313	-25.45	-103.24	0.01	D	0.20	-103.89	-23.15
89E453	34	50.46	117	59.57	2280.6	979479.20	P313	-25.70	-103.48	0.01	D	0.20	-104.13	-23.41
89E454	34	50.38	117	59.55	2281.7	979478.53	P313	-26.16	-103.98	0.03	D	0.22	-104.61	-23.91
89E455	34	50.30	117	59.74	2368.6	979472.09	P313	-24.31	-105.09	0.43	D	0.61	-105.36	-24.71
89E456	34	50.38	118	0.00	2343.4	979474.83	P313	-24.05	-103.98	0.29	D	0.47	-104.38	-23.70
89E457	34	51.99	117	57.25	2323.4	979483.42	P313	-19.62	-98.86	0.00	D	0.11	-99.61	-18.34
89E458	34	52.00	117	57.36	2327.4	979483.77	P313	-18.91	-98.29	0.00	D	0.11	-99.04	-17.78
89E459	34	52.00	117	57.46	2331.2	979484.17	P313	-18.15	-97.66	0.00	D	0.11	-98.41	-17.15
89E460	34	52.08	117	57.45	2334.6	979484.67	P313	-17.44	-97.07	0.00	D	0.11	-97.82	-16.53
89E461	34	52.17	117	57.49	2337.4	979485.42	P313	-16.55	-96.27	0.00	D	0.12	-97.02	-15.72
89E462	34	52.25	117	57.53	2340.6	979485.89	P313	-15.90	-95.73	0.00	D	0.11	-96.48	-15.15
89E463	34	52.33	117	57.56	2343.5	979486.39	P313	-15.23	-95.16	0.00	D	0.12	-95.91	-14.56
89E464	34	52.41	117	57.60	2347.1	979486.67	P313	-14.73	-94.79	0.00	D	0.12	-95.53	-14.15
89E465	34	52.49	117	57.63	2352.8	979486.61	P313	-14.37	-94.61	0.00	D	0.12	-95.36	-13.97
89E466	34	52.57	117	57.66	2354.7	979486.91	P313	-14.01	-94.32	0.00	D	0.12	-95.07	-13.66
89E467	34	52.65	117	57.70	2357.6	979487.11	P313	-13.64	-94.05	0.00	D	0.12	-94.80	-13.38
89E468	34	52.73	117	57.73	2360.2	979487.22	P313	-13.40	-93.90	0.00	D	0.13	-94.64	-13.19
89E469	34	52.82	117	57.75	2364.0	979487.38	P313	-13.01	-93.64	0.00	D	0.13	-94.38	-12.90
89E470	34	52.91	117	57.76	2367.6	979487.42	P313	-12.76	-93.51	0.00	D	0.13	-94.25	-12.76
89E471	34	52.21	117	57.60	2341.6	979485.87	P313	-15.77	-95.63	0.00	D	0.12	-96.38	-15.07
89E472	34	52.25	117	57.69	2346.5	979486.11	P313	-15.12	-95.16	0.00	D	0.12	-95.90	-14.58
89E473	34	52.29	117	57.79	2350.7	979486.23	P313	-14.66	-94.84	0.00	D	0.12	-95.59	-14.25
89E474	34	52.33	117	57.88	2354.9	979483.14	P313	-17.41	-97.73	0.01	D	0.14	-98.46	-17.12
89E475	34	52.37	117	57.98	2367.6	979485.78	P313	-13.64	-94.39	0.01	D	0.14	-95.13	-13.77
89E476	34	52.41	117	58.07	2384.9	979484.99	P313	-12.86	-94.20	0.01	D	0.14	-94.94	-13.59
89E477	34	52.45	117	58.16	2398.7	979484.32	P313	-12.29	-94.10	0.02	D	0.15	-94.83	-13.47
89E478	34	52.33	117	58.07	2417.9	979482.34	P313	-12.29	-94.75	0.16	D	0.30	-95.34	-14.00
89E479	34	52.40	117	58.20	2444.3	979480.98	P313	-11.27	-94.64	0.20	D	0.37	-95.16	-13.82
89E480	34	52.50	117	58.38	2447.4	979481.51	P313	-10.59	-94.06	0.18	D	0.35	-94.60	-13.24
89E481	34	51.69	117	55.95	2362.2	979476.96	P313	-22.01	-102.58	0.16	D	0.25	-103.20	-21.93
89E482	34	51.80	117	55.59	2347.0	979478.13	P313	-22.41	-102.46	0.10	D	0.19	-103.14	-21.83
89E483	34	53.85	117	55.07	2304.1	979491.23	P313	-16.25	-94.83	0.00	D	0.09	-95.60	-13.66
89E484	34	53.90	117	55.14	2308.1	979491.24	P313	-15.93	-94.65	0.00	D	0.09	-95.42	-13.47
89E485	34	53.96	117	55.23	2312.1	979491.20	P313	-15.68	-94.54	0.00	D	0.09	-95.31	-13.35
89E486	34	54.01	117	55.31	2317.0	979491.10	P313	-15.39	-94.42	0.00	D	0.09	-95.19	-13.22
89E487	34	54.07	117	55.39	2320.9	979491.06	P313	-15.15	-94.31	0.00	D	0.09	-95.08	-13.09
89E488	34	54.12	117	55.47	2328.4	979490.81	P313	-14.76	-94.18	0.00	D	0.09	-94.95	-12.96
89E489	34	54.18	117	55.56	2334.1	979490.67	P313	-14.46	-94.07	0.00	D	0.09	-94.84	-12.83
89E490	34	54.23	117	55.63	2339.5	979490.69	P313	-14.00	-93.79	0.00	D	0.10	-94.56	-12.54
89E491	34	54.29	117	55.71	2345.0	979490.56	P313	-13.70	-93.68	0.00	D	0.10	-94.44	-12.39
89E493	34	54.49	117	57.63	2609.0	979476.03	F423	-3.68	-92.67	0.40	D	0.71	-92.90	-10.86
89E494	34	54.25	117	57.25	2504.0	979482.00	F423	-7.25	-92.65	0.06	D	0.24	-93.33	-11.36
89E495	34	54.33	117	56.91	2523.0	979480.30	F423	-7.27	-93.33	0.23	D	0.45	-93.64	-11.63
89E496	34	54.62	117	56.94	2537.0	979480.49	F423	-6.18	-92.71	0.17	D	0.40	-93.23	-11.15
89E497	34	54.20	117	56.50	2507.0	979480.73	F423	-8.17	-93.68	0.41	D	0.63	-93.96	-11.99
89E498	34	53.77	117	56.89	2465.0	979482.43	F423	-9.81	-93.88	0.18	D	0.34	-94.44	-12.62
89E499	34	53.67	117	56.83	2414.0	979485.75	F423	-11.14	-93.48	0.01	D	0.13	-94.23	-12.44
89E500	34	53.57	117	56.60	2431.0	979484.15	F423	-11.00	-93.92	0.14	D	0.27	-94.54	-12.77
89E501	34	53.55	117	56.00	2411.0	979484.97	F423	-12.03	-94.27	0.22	D	0.33	-94.82	-13.01

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
89E502	34	53.76	117	56.16	2417.0	979485.30	F423	-11.44	-93.87	0.02	D	0.14	-94.62	-12.77
89E503	34	52.88	117	54.97	2283.2	979487.54	P313	-20.54	-98.41	0.00	D	0.11	-99.15	-17.52
89E504	34	52.88	117	55.08	2283.6	979487.80	P313	-20.24	-98.13	0.00	D	0.11	-98.86	-17.24
89E505	34	52.88	117	55.18	2286.5	979487.75	P313	-20.01	-98.00	0.00	D	0.10	-98.75	-17.13
89E506	34	52.88	117	55.30	2290.0	979487.85	P313	-19.59	-97.69	0.00	D	0.10	-98.44	-16.83
89E507	34	52.88	117	55.40	2293.0	979487.79	P313	-19.36	-97.57	0.00	D	0.10	-98.32	-16.71
89E508	34	52.88	117	55.50	2296.1	979487.86	P313	-19.00	-97.32	0.00	D	0.10	-98.07	-16.47
89E509	34	52.87	117	55.62	2299.8	979487.72	P313	-18.78	-97.22	0.00	D	0.10	-97.97	-16.38
89E510	34	52.87	117	55.72	2302.9	979487.74	P313	-18.47	-97.01	0.00	D	0.11	-97.76	-16.18
89E511	34	52.87	117	55.83	2307.0	979487.82	P313	-18.00	-96.69	0.00	D	0.10	-97.44	-15.87
89E512	34	52.87	117	55.93	2311.4	979487.75	P313	-17.66	-96.49	0.00	D	0.10	-97.25	-15.68
89E513	34	52.87	117	56.04	2315.0	979487.79	P313	-17.28	-96.24	0.00	D	0.10	-97.00	-15.44
89E514	34	52.87	117	56.22	2318.3	979488.04	P313	-16.72	-95.79	0.00	D	0.11	-96.54	-14.99
89E515	34	52.88	117	56.10	2317.5	979488.00	P313	-16.85	-95.89	0.00	D	0.10	-96.65	-15.09
89E516	34	52.87	117	56.44	2325.6	979487.94	P313	-16.13	-95.45	0.00	D	0.11	-96.20	-14.65
89E517	34	52.87	117	56.55	2328.3	979488.11	P313	-15.71	-95.12	0.00	D	0.11	-95.87	-14.33
90E001	34	48.59	117	53.20	2304.0	979468.97	B113	-31.09	-109.67	0.00	D	0.15	-110.37	-29.37
90E016	34	55.88	117	47.36	2274.2	979489.86	P313	-23.30	-100.87	0.00	D	0.09	-101.63	-18.61
90E017	34	55.75	117	47.62	2273.7	979488.82	P313	-24.21	-101.75	0.00	D	0.08	-102.52	-19.57
90E018	34	55.61	117	47.89	2272.7	979488.37	P313	-24.55	-102.07	0.00	D	0.07	-102.84	-19.94
90E019	34	55.47	117	48.16	2271.6	979488.42	P313	-24.40	-101.88	0.00	D	0.06	-102.67	-19.83
90E020	34	55.33	117	48.43	2270.8	979488.09	P313	-24.61	-102.06	0.00	D	0.06	-102.85	-20.05
90E021	34	55.19	117	48.70	2269.9	979488.03	P313	-24.56	-101.98	0.00	D	0.06	-102.77	-20.03
90E022	34	56.01	117	47.16	2278.4	979490.68	P313	-22.27	-99.98	0.00	D	0.10	-100.73	-17.62
90E023	34	56.02	117	47.17	2278.0	979490.79	P313	-22.21	-99.91	0.00	D	0.10	-100.66	-17.54
90E024	34	56.04	117	47.18	2277.9	979490.90	P313	-22.14	-99.84	0.00	D	0.10	-100.58	-17.46
90E025	34	56.05	117	47.19	2277.8	979491.01	P313	-22.05	-99.74	0.00	D	0.10	-100.49	-17.37
90E026	34	56.07	117	47.20	2277.4	979491.14	P313	-21.99	-99.67	0.00	D	0.10	-100.41	-17.29
90E027	34	56.08	117	47.21	2276.9	979491.27	P313	-21.92	-99.58	0.00	D	0.10	-100.33	-17.21
90E028	34	56.10	117	47.23	2276.5	979491.35	P313	-21.90	-99.55	0.00	D	0.10	-100.29	-17.17
90E029	34	56.11	117	47.24	2275.9	979491.47	P313	-21.86	-99.48	0.00	D	0.10	-100.23	-17.10
90E030	34	56.13	117	47.25	2275.3	979491.62	P313	-21.79	-99.40	0.00	D	0.10	-100.14	-17.02
90E031	34	56.14	117	47.26	2275.6	979491.72	P313	-21.68	-99.30	0.00	D	0.10	-100.04	-16.91
90E032	34	56.16	117	47.27	2274.8	979491.89	P313	-21.61	-99.20	0.00	D	0.10	-99.94	-16.81
90E033	34	56.17	117	47.28	2274.4	979492.01	P313	-21.54	-99.12	0.00	D	0.10	-99.86	-16.73
90E034	34	56.18	117	47.29	2274.1	979492.18	P313	-21.42	-98.98	0.00	D	0.10	-99.72	-16.59
90E035	34	56.20	117	47.31	2274.0	979492.32	P313	-21.32	-98.88	0.00	D	0.09	-99.63	-16.50
90E036	34	56.22	117	47.32	2273.9	979492.43	P313	-21.24	-98.80	0.00	D	0.09	-99.55	-16.40
90E037	34	56.23	117	47.33	2273.8	979492.54	P313	-21.16	-98.71	0.00	D	0.09	-99.46	-16.31
90E038	34	56.25	117	47.34	2273.9	979492.64	P313	-21.08	-98.63	0.00	D	0.09	-99.39	-16.24
90E039	34	56.26	117	47.35	2273.8	979492.74	P313	-21.00	-98.55	0.00	D	0.09	-99.30	-16.14
90E040	34	56.28	117	47.36	2273.7	979492.83	P313	-20.95	-98.49	0.00	D	0.09	-99.25	-16.09
90E041	34	56.29	117	47.37	2273.7	979492.91	P313	-20.88	-98.43	0.00	D	0.09	-99.19	-16.02
90E042	34	56.31	117	47.39	2273.4	979492.99	P313	-20.85	-98.39	0.00	D	0.09	-99.15	-15.99
90E043	34	56.32	117	47.40	2273.2	979493.03	P313	-20.85	-98.38	0.00	D	0.09	-99.13	-15.96
90E044	34	56.34	117	47.41	2273.5	979493.01	P313	-20.87	-98.41	0.00	D	0.09	-99.17	-16.00
90E045	34	56.35	117	47.42	2273.5	979492.94	P313	-20.96	-98.50	0.00	D	0.08	-99.26	-16.09
90E046	34	56.37	117	47.43	2273.2	979492.87	P313	-21.08	-98.61	0.00	D	0.08	-99.37	-16.20
90E047	34	56.38	117	47.44	2273.0	979492.80	P313	-21.18	-98.71	0.00	D	0.08	-99.47	-16.30
90E048	34	56.41	117	47.47	2273.2	979492.69	P313	-21.32	-98.85	0.00	D	0.08	-99.62	-16.45
90E049	34	56.44	117	47.49	2273.0	979492.62	P313	-21.45	-98.97	0.00	D	0.08	-99.74	-16.56
90E050	34	56.47	117	47.51	2272.8	979492.60	P313	-21.52	-99.04	0.00	D	0.07	-99.82	-16.64
90E051	34	56.50	117	47.53	2272.8	979492.61	P313	-21.56	-99.08	0.00	D	0.07	-99.85	-16.66
90E052	34	56.53	117	47.56	2272.4	979492.58	P313	-21.67	-99.17	0.00	D	0.07	-99.95	-16.76
90E053	34	56.56	117	47.58	2272.0	979492.60	P313	-21.73	-99.22	0.00	D	0.07	-100.00	-16.80
90E054	34	56.59	117	47.60	2271.7	979492.66	P313	-21.74	-99.22	0.00	D	0.06	-100.01	-16.80
90E055	34	56.62	117	47.62	2271.7	979492.70	P313	-21.75	-99.23	0.00	D	0.06	-100.01	-16.80
90E056	34	56.65	117	47.65	2271.8	979492.68	P313	-21.80	-99.28	0.00	D	0.06	-100.07	-16.86
90E057	34	55.98	117	47.13	2279.4	979490.43	P313	-22.39	-100.13	0.00	D	0.10	-100.88	-17.77
90E058	34	55.96	117	47.12	2280.0	979490.31	P313	-22.42	-100.18	0.00	D	0.10	-100.93	-17.82
90E059	34	55.95	117	47.11	2280.1	979490.14	P313	-22.57	-100.33	0.00	D	0.10	-101.08	-18.01
90E060	34	55.93	117	47.10	2280.3	979490.04	P313	-22.62	-100.40	0.00	D	0.10	-101.14	-18.07
90E061	34	55.92	117	47.09	2280.9	979489.89	P313	-22.70	-100.49	0.00	D	0.10	-101.24	-18.18
90E062	34	55.90	117	47.07	2281.1	979489.70	P313	-22.84	-100.64	0.00	D	0.10	-101.39	-18.33
90E063	34	55.88	117	47.06	2281.5	979489.62	P313	-22.86	-100.67	0.00	D	0.10	-101.42	-18.38
90E064	34	55.87	117	47.05	2282.1	979489.52	P313	-22.89	-100.72	0.00	D	0.10	-101.47	-18.43
90E065	34	55.85	117	47.04	2282.2	979489.45	P313	-22.92	-100.76	0.00	D	0.10	-101.50	-18.47
90E066	34	55.84	117	47.03	2282.1	979489.40	P313	-22.96	-100.80	0.00	D	0.10	-101.54	-18.51
90E067	34	55.82	117	47.02	2282.1	979489.35	P313	-22.99	-100.82	0.00	D	0.10	-101.57	-18.53
90E068	34	55.81	117	47.01	2282.2	979489.35	P313	-22.96	-100.80	0.00	D	0.10	-101.55	-18.51

TABLE 3.—*Principal facts for USGS gravity stations—Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
90E069	34	55.79	117	46.99	2283.0	979489.28	P313	-22.92	-100.79	0.00	D	0.10	-101.54	-18.51
90E070	34	55.78	117	46.98	2282.8	979489.26	P313	-22.95	-100.81	0.00	D	0.10	-101.56	-18.53
90E071	34	55.76	117	46.97	2282.7	979489.25	P313	-22.94	-100.80	0.00	D	0.10	-101.55	-18.52
90E072	34	55.75	117	46.96	2282.3	979489.23	P313	-22.98	-100.83	0.00	D	0.11	-101.57	-18.54
90E073	34	55.73	117	46.95	2282.4	979489.20	P313	-22.97	-100.82	0.00	D	0.11	-101.56	-18.53
90E074	34	55.72	117	46.94	2282.3	979489.17	P313	-23.01	-100.85	0.00	D	0.11	-101.59	-18.56
90E075	34	55.70	117	46.93	2282.1	979489.15	P313	-23.02	-100.85	0.00	D	0.11	-101.59	-18.56
90E076	34	55.69	117	46.92	2282.2	979489.14	P313	-23.00	-100.84	0.00	D	0.11	-101.58	-18.55
90E077	34	55.67	117	46.91	2282.3	979489.12	P313	-22.98	-100.83	0.00	D	0.11	-101.57	-18.54
90E078	34	55.66	117	46.89	2282.5	979489.02	P313	-23.05	-100.90	0.00	D	0.11	-101.64	-18.61
90E079	34	55.64	117	46.88	2282.6	979488.97	P313	-23.06	-100.91	0.00	D	0.11	-101.65	-18.63
90E080	34	55.63	117	46.87	2282.8	979489.00	P313	-23.00	-100.86	0.00	D	0.11	-101.59	-18.57
90E081	34	55.60	117	46.85	2283.9	979489.00	P313	-22.86	-100.75	0.00	D	0.11	-101.49	-18.48
90E082	34	55.57	117	46.83	2283.4	979489.14	P313	-22.72	-100.60	0.00	D	0.11	-101.34	-18.33
90E083	34	55.54	117	46.80	2284.8	979489.14	P313	-22.54	-100.47	0.00	D	0.11	-101.21	-18.20
90E084	34	55.51	117	46.78	2286.1	979488.97	P313	-22.55	-100.53	0.00	D	0.11	-101.26	-18.25
90E085	34	55.48	117	46.76	2286.0	979489.01	P313	-22.48	-100.44	0.00	D	0.11	-101.18	-18.17
90E086	34	55.45	117	46.74	2286.3	979489.05	P313	-22.37	-100.35	0.00	D	0.11	-101.09	-18.08
90E087	34	55.77	117	47.63	2273.7	979488.94	P313	-24.12	-101.67	0.00	D	0.08	-102.43	-19.46
90E088	34	55.78	117	47.64	2273.6	979489.03	P313	-24.05	-101.60	0.00	D	0.08	-102.36	-19.38
90E089	34	55.80	117	47.65	2273.6	979489.11	P313	-24.00	-101.54	0.00	D	0.08	-102.31	-19.33
90E090	34	55.81	117	47.66	2273.5	979489.16	P313	-23.97	-101.51	0.00	D	0.08	-102.28	-19.30
90E091	34	55.83	117	47.67	2273.5	979489.26	P313	-23.90	-101.44	0.00	D	0.08	-102.21	-19.23
90E092	34	55.84	117	47.69	2273.4	979489.34	P313	-23.84	-101.38	0.00	D	0.08	-102.14	-19.16
90E093	34	55.86	117	47.70	2273.3	979489.42	P313	-23.80	-101.33	0.00	D	0.08	-102.10	-19.12
90E094	34	55.87	117	47.71	2273.3	979489.50	P313	-23.73	-101.27	0.00	D	0.07	-102.04	-19.05
90E095	34	55.89	117	47.72	2273.3	979489.57	P313	-23.69	-101.22	0.00	D	0.07	-102.00	-19.01
90E096	34	55.90	117	47.73	2273.3	979489.65	P313	-23.62	-101.16	0.00	D	0.07	-101.93	-18.94
90E097	34	55.92	117	47.74	2273.1	979489.72	P313	-23.60	-101.13	0.00	D	0.07	-101.91	-18.92
90E098	34	55.93	117	47.75	2273.2	979489.77	P313	-23.56	-101.09	0.00	D	0.07	-101.87	-18.88
90E099	34	55.94	117	47.77	2273.1	979489.84	P313	-23.51	-101.04	0.00	D	0.07	-101.81	-18.82
90E100	34	55.96	117	47.78	2273.1	979489.90	P313	-23.48	-101.01	0.00	D	0.07	-101.78	-18.75
90E101	34	55.97	117	47.79	2273.1	979489.97	P313	-23.42	-100.95	0.00	D	0.07	-101.73	-18.70
90E102	34	55.99	117	47.80	2273.1	979490.06	P313	-23.37	-100.89	0.00	D	0.07	-101.67	-18.64
90E103	34	56.00	117	47.81	2273.0	979490.10	P313	-23.34	-100.87	0.00	D	0.07	-101.64	-18.61
90E104	34	56.02	117	47.82	2273.0	979490.21	P313	-23.26	-100.79	0.00	D	0.07	-101.56	-18.51
90E105	34	56.04	117	47.83	2273.0	979490.30	P313	-23.20	-100.73	0.00	D	0.07	-101.50	-18.44
90E106	34	56.05	117	47.84	2272.8	979490.38	P313	-23.15	-100.67	0.00	D	0.07	-101.44	-18.38
90E107	34	56.06	117	47.86	2272.9	979490.45	P313	-23.09	-100.61	0.00	D	0.07	-101.38	-18.33
90E108	34	56.08	117	47.87	2272.9	979490.54	P313	-23.03	-100.55	0.00	D	0.07	-101.33	-18.27
90E109	34	56.09	117	47.88	2272.8	979490.63	P313	-22.96	-100.48	0.00	D	0.07	-101.26	-18.20
90E110	34	56.11	117	47.89	2272.8	979490.72	P313	-22.90	-100.42	0.00	D	0.07	-101.19	-18.12
90E111	34	56.12	117	47.90	2272.8	979490.80	P313	-22.83	-100.35	0.00	D	0.07	-101.13	-18.05
90E112	34	56.14	117	47.91	2272.8	979490.86	P313	-22.80	-100.32	0.00	D	0.07	-101.10	-18.03
90E113	34	56.15	117	47.92	2272.5	979490.95	P313	-22.75	-100.26	0.00	D	0.07	-101.03	-17.96
90E114	34	56.17	117	47.94	2272.5	979491.05	P313	-22.68	-100.19	0.00	D	0.06	-100.97	-17.90
90E115	34	56.18	117	47.95	2272.4	979491.13	P313	-22.63	-100.13	0.00	D	0.06	-100.92	-17.84
90E116	34	56.20	117	47.96	2272.8	979491.21	P313	-22.54	-100.06	0.00	D	0.06	-100.84	-17.76
90E117	34	56.21	117	47.97	2272.9	979491.29	P313	-22.46	-99.98	0.00	D	0.06	-100.77	-17.69
90E118	34	56.23	117	47.98	2272.5	979491.37	P313	-22.45	-99.96	0.00	D	0.06	-100.74	-17.66
90E119	34	56.24	117	47.99	2272.1	979491.45	P313	-22.42	-99.91	0.00	D	0.06	-100.70	-17.62
90E120	34	56.27	117	48.02	2272.3	979491.59	P313	-22.30	-99.80	0.00	D	0.06	-100.59	-17.50
90E121	34	56.30	117	48.04	2272.8	979491.67	P313	-22.22	-99.74	0.00	D	0.06	-100.52	-17.43
90E122	34	56.33	117	48.06	2271.5	979491.78	P313	-22.29	-99.77	0.00	D	0.06	-100.55	-17.45
90E123	34	56.29	117	48.03	2272.0	979491.65	P313	-22.30	-99.79	0.00	D	0.06	-100.58	-17.49
90E124	34	56.32	117	48.05	2272.5	979491.72	P313	-22.22	-99.73	0.00	D	0.06	-100.51	-17.42
90E125	34	56.35	117	48.07	2272.1	979491.77	P313	-22.26	-99.75	0.00	D	0.06	-100.54	-17.43
90E126	34	56.36	117	48.08	2272.1	979491.78	P313	-22.26	-99.76	0.00	D	0.06	-100.54	-17.43
90E127	34	56.38	117	48.09	2272.1	979491.79	P313	-22.27	-99.77	0.00	D	0.06	-100.55	-17.43
90E128	34	56.41	117	48.12	2272.0	979491.78	P313	-22.34	-99.83	0.00	D	0.06	-100.62	-17.50
90E129	34	56.44	117	48.14	2270.9	979491.76	P313	-22.50	-99.96	0.00	D	0.06	-100.74	-17.62
90E130	34	56.47	117	48.16	2271.0	979491.79	P313	-22.50	-99.96	0.00	D	0.06	-100.75	-17.63
90E131	34	56.50	117	48.19	2271.2	979491.83	P313	-22.49	-99.96	0.00	D	0.06	-100.74	-17.61
90E132	34	56.53	117	48.21	2270.9	979491.82	P313	-22.57	-100.02	0.00	D	0.06	-100.81	-17.68
90E133	34	55.74	117	47.61	2273.8	979488.75	P313	-24.25	-101.80	0.00	D	0.08	-102.57	-19.62
90E134	34	55.72	117	47.60	2273.8	979488.66	P313	-24.32	-101.87	0.00	D	0.08	-102.63	-19.68
90E135	34	55.71	117	47.58	2273.8	979488.59	P313	-24.37	-101.92	0.00	D	0.08	-102.69	-19.74
90E136	34	55.69	117	47.57	2273.9	979488.50	P313	-24.42	-101.98	0.00	D	0.08	-102.74	-19.79
90E137	34	55.68	117	47.56	2273.9	979488.40	P313	-24.51	-102.06	0.00	D	0.08	-102.83	-19.89
90E138	34	55.66	117	47.55	2273.9	979488.29	P313	-24.59	-102.15	0.00	D	0.08	-102.91	-19.97

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
90E139	34	55.65	117	47.54	2273.8	979488.24	P313	-24.64	-102.19	0.00	D	0.08	-102.95	-20.01
90E140	34	55.63	117	47.53	2273.9	979488.18	P313	-24.66	-102.21	0.00	D	0.08	-102.98	-20.04
90E141	34	55.62	117	47.51	2274.0	979488.08	P313	-24.74	-102.30	0.00	D	0.08	-103.06	-20.12
90E142	34	55.60	117	47.50	2273.9	979488.03	P313	-24.77	-102.32	0.00	D	0.08	-103.09	-20.15
90E143	34	55.59	117	47.49	2274.0	979487.98	P313	-24.79	-102.35	0.00	D	0.08	-103.11	-20.17
90E144	34	55.57	117	47.48	2274.1	979487.92	P313	-24.82	-102.38	0.00	D	0.08	-103.14	-20.20
90E145	34	55.56	117	47.47	2274.0	979487.91	P313	-24.82	-102.38	0.00	D	0.08	-103.14	-20.20
90E146	34	55.55	117	47.46	2274.0	979487.88	P313	-24.83	-102.39	0.00	D	0.09	-103.15	-20.21
90E147	34	55.53	117	47.45	2274.1	979487.87	P313	-24.80	-102.37	0.00	D	0.09	-103.12	-20.18
90E148	34	55.52	117	47.43	2274.1	979487.86	P313	-24.80	-102.36	0.00	D	0.09	-103.12	-20.19
90E149	34	55.50	117	47.42	2273.9	979487.88	P313	-24.78	-102.33	0.00	D	0.09	-103.09	-20.16
90E150	34	55.49	117	47.41	2273.6	979487.92	P313	-24.75	-102.29	0.00	D	0.09	-103.05	-20.12
90E151	34	55.47	117	47.40	2273.4	979487.97	P313	-24.69	-102.22	0.00	D	0.09	-102.98	-20.05
90E152	34	55.46	117	47.39	2273.3	979488.04	P313	-24.62	-102.15	0.00	D	0.09	-102.91	-19.98
90E153	34	55.44	117	47.38	2273.6	979488.07	P313	-24.53	-102.07	0.00	D	0.09	-102.83	-19.91
90E154	34	55.43	117	47.36	2273.6	979488.11	P313	-24.47	-102.02	0.00	D	0.09	-102.77	-19.85
90E155	34	55.41	117	47.35	2273.8	979488.16	P313	-24.38	-101.93	0.00	D	0.09	-102.69	-19.78
90E156	34	55.40	117	47.34	2274.0	979488.22	P313	-24.28	-101.84	0.00	D	0.09	-102.60	-19.69
90E157	34	55.38	117	47.33	2274.0	979488.27	P313	-24.20	-101.76	0.00	D	0.09	-102.52	-19.61
90E158	34	55.37	117	47.32	2274.0	979488.30	P313	-24.16	-101.72	0.00	D	0.09	-102.47	-19.56
90E159	34	55.35	117	47.31	2274.3	979488.33	P313	-24.07	-101.64	0.00	D	0.09	-102.40	-19.49
90E160	34	55.34	117	47.30	2273.9	979488.34	P313	-24.09	-101.64	0.00	D	0.09	-102.40	-19.49
90E161	34	55.32	117	47.28	2273.9	979488.37	P313	-24.03	-101.58	0.00	D	0.09	-102.34	-19.43
90E162	34	55.31	117	47.27	2273.6	979488.36	P313	-24.05	-101.60	0.00	D	0.09	-102.35	-19.44
90E163	34	55.29	117	47.26	2273.7	979488.36	P313	-24.02	-101.57	0.00	D	0.09	-102.32	-19.41
90E164	34	55.28	117	47.25	2273.9	979488.34	P313	-24.00	-101.56	0.00	D	0.09	-102.31	-19.40
90E165	34	55.26	117	47.24	2273.6	979488.31	P313	-24.03	-101.58	0.00	D	0.09	-102.33	-19.42
90E166	34	55.25	117	47.23	2273.5	979488.27	P313	-24.07	-101.61	0.00	D	0.10	-102.36	-19.45
90E167	34	55.23	117	47.22	2273.8	979488.27	P313	-24.01	-101.56	0.00	D	0.10	-102.31	-19.41
90E168	34	55.22	117	47.20	2273.8	979488.22	P313	-24.05	-101.60	0.00	D	0.10	-102.34	-19.44
90E169	34	55.20	117	47.19	2273.9	979488.12	P313	-24.11	-101.67	0.00	D	0.10	-102.41	-19.51
90E170	34	55.19	117	47.18	2273.9	979488.11	P313	-24.11	-101.66	0.00	D	0.10	-102.41	-19.51
90E171	34	55.17	117	47.17	2273.9	979488.06	P313	-24.13	-101.68	0.00	D	0.10	-102.43	-19.53
90E172	34	55.16	117	47.16	2273.9	979487.95	P313	-24.22	-101.78	0.00	D	0.10	-102.52	-19.61
90E173	34	55.14	117	47.15	2273.8	979487.92	P313	-24.24	-101.79	0.00	D	0.10	-102.53	-19.63
90E174	34	55.13	117	47.14	2273.9	979487.87	P313	-24.26	-101.82	0.00	D	0.10	-102.56	-19.67
90E175	34	55.12	117	47.12	2273.9	979487.81	P313	-24.31	-101.86	0.00	D	0.10	-102.61	-19.70
90E176	34	55.10	117	47.11	2273.8	979487.76	P313	-24.33	-101.89	0.00	D	0.10	-102.63	-19.73
90E177	34	55.09	117	47.10	2273.8	979487.69	P313	-24.40	-101.95	0.00	D	0.10	-102.69	-19.80
90E178	34	55.07	117	47.09	2273.3	979487.67	P313	-24.43	-101.97	0.00	D	0.10	-102.71	-19.82
90E179	34	55.06	117	47.08	2273.8	979487.54	P313	-24.50	-102.05	0.00	D	0.10	-102.80	-19.91
90E180	34	55.04	117	47.07	2273.9	979487.44	P313	-24.57	-102.12	0.00	D	0.10	-102.87	-19.99
90E181	34	55.03	117	47.06	2273.8	979487.38	P313	-24.62	-102.17	0.00	D	0.10	-102.92	-20.04
90E182	34	55.01	117	47.04	2273.7	979487.33	P313	-24.65	-102.20	0.00	D	0.10	-102.94	-20.06
90E183	34	55.00	117	47.03	2274.4	979487.18	P313	-24.72	-102.29	0.00	D	0.10	-103.03	-20.15
90E184	34	54.98	117	47.02	2276.5	979486.93	P313	-24.74	-102.39	0.00	D	0.10	-103.14	-20.27
90E185	34	54.96	117	47.01	2276.3	979486.92	P313	-24.74	-102.38	0.00	D	0.11	-103.12	-20.25
90E186	34	54.95	117	47.00	2276.4	979486.70	P313	-24.94	-102.58	0.00	D	0.11	-103.31	-20.45
90E187	34	54.93	117	46.98	2276.3	979486.56	P313	-25.06	-102.70	0.00	D	0.11	-103.44	-20.58
90E188	34	54.92	117	46.97	2276.6	979486.45	P313	-25.13	-102.78	0.00	D	0.11	-103.51	-20.65
90E189	34	54.85	117	47.77	2274.0	979485.80	P313	-25.92	-103.48	0.00	D	0.07	-104.26	-21.49
90E190	34	54.84	117	47.75	2274.1	979485.71	P313	-25.99	-103.55	0.00	D	0.08	-104.31	-21.53
90E191	34	54.82	117	47.74	2274.0	979485.64	P313	-26.04	-103.60	0.00	D	0.08	-104.37	-21.61
90E192	34	54.81	117	47.72	2274.1	979485.58	P313	-26.08	-103.64	0.00	D	0.08	-104.41	-21.65
90E193	34	54.80	117	47.71	2274.3	979485.50	P313	-26.12	-103.69	0.00	D	0.08	-104.46	-21.70
90E194	34	54.79	117	47.69	2274.3	979485.43	P313	-26.18	-103.75	0.00	D	0.08	-104.51	-21.75
90E195	34	54.77	117	47.68	2274.3	979485.34	P313	-26.24	-103.81	0.00	D	0.08	-104.58	-21.83
90E196	34	54.76	117	47.66	2274.2	979485.27	P313	-26.31	-103.87	0.00	D	0.08	-104.64	-21.89
90E197	34	54.75	117	47.65	2274.2	979485.20	P313	-26.36	-103.93	0.00	D	0.08	-104.69	-21.94
90E198	34	54.74	117	47.63	2274.2	979485.13	P313	-26.42	-103.98	0.00	D	0.08	-104.75	-22.00
90E199	34	54.73	117	47.61	2274.2	979485.03	P313	-26.50	-104.07	0.00	D	0.08	-104.83	-22.08
90E200	34	54.71	117	47.60	2274.3	979484.93	P313	-26.57	-104.14	0.00	D	0.08	-104.90	-22.15
90E201	34	54.70	117	47.59	2274.3	979484.87	P313	-26.61	-104.18	0.00	D	0.08	-104.95	-22.20
90E202	34	54.69	117	47.57	2274.5	979484.77	P313	-26.68	-104.26	0.00	D	0.09	-105.01	-22.26
90E203	34	54.68	117	47.55	2274.4	979484.68	P313	-26.76	-104.34	0.00	D	0.09	-105.09	-22.34
90E204	34	54.67	117	47.54	2274.4	979484.63	P313	-26.80	-104.38	0.00	D	0.09	-105.13	-22.38
90E205	34	54.65	117	47.52	2273.9	979484.57	P313	-26.88	-104.44	0.00	D	0.09	-105.19	-22.44
90E206	34	54.64	117	47.51	2274.3	979484.47	P313	-26.93	-104.50	0.00	D	0.09	-105.25	-22.50
90E207	34	54.63	117	47.49	2274.3	979484.41	P313	-26.97	-104.54	0.00	D	0.09	-105.30	-22.55
90E208	34	54.62	117	47.48	2274.3	979484.33	P313	-27.04	-104.61	0.00	D	0.09	-105.37	-22.62

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg min	LON deg min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal	TC mGal	CBA 2.67	ISO 2.67
90E209	34 54.60	117 47.46	2274.3	979484.26	P313	-27.08	-104.65	0.00 D	0.09	-105.41	-22.65
90E210	34 54.59	117 47.45	2274.3	979484.20	P313	-27.13	-104.70	0.00 D	0.09	-105.45	-22.69
90E211	34 54.58	117 47.43	2274.4	979484.12	P313	-27.18	-104.76	0.00 D	0.09	-105.51	-22.75
90E212	34 54.57	117 47.42	2274.2	979484.05	P313	-27.26	-104.83	0.00 D	0.09	-105.58	-22.82
90E213	34 54.86	117 47.79	2273.8	979485.86	P313	-25.90	-103.45	0.00 D	0.07	-104.23	-21.46
90E214	34 54.88	117 47.81	2273.9	979485.94	P313	-25.84	-103.40	0.00 D	0.07	-104.17	-21.40
90E215	34 54.89	117 47.82	2273.9	979486.02	P313	-25.77	-103.32	0.00 D	0.07	-104.10	-21.33
90E216	34 54.90	117 47.84	2273.9	979486.07	P313	-25.73	-103.29	0.00 D	0.07	-104.06	-21.30
90E217	34 54.91	117 47.85	2273.9	979486.15	P313	-25.67	-103.23	0.00 D	0.07	-104.00	-21.24
90E218	34 54.92	117 47.87	2273.8	979486.19	P313	-25.65	-103.21	0.00 D	0.07	-103.98	-21.22
90E219	34 54.94	117 47.88	2273.7	979486.27	P313	-25.61	-103.16	0.00 D	0.07	-103.93	-21.16
90E220	34 54.95	117 47.90	2273.7	979486.35	P313	-25.54	-103.09	0.00 D	0.07	-103.87	-21.11
90E221	34 54.96	117 47.91	2273.7	979486.37	P313	-25.54	-103.09	0.00 D	0.07	-103.86	-21.10
90E222	34 54.97	117 47.93	2273.6	979486.41	P313	-25.52	-103.07	0.00 D	0.07	-103.84	-21.08
90E223	34 54.99	117 47.95	2273.5	979486.46	P313	-25.51	-103.06	0.00 D	0.07	-103.83	-21.07
90E224	34 55.00	117 47.96	2273.5	979486.51	P313	-25.47	-103.01	0.00 D	0.07	-103.79	-21.03
90E225	34 55.01	117 47.98	2273.5	979486.58	P313	-25.42	-102.96	0.00 D	0.07	-103.73	-20.97
90E226	34 55.02	117 47.99	2273.4	979486.68	P313	-25.34	-102.88	0.00 D	0.07	-103.66	-20.90
90E227	34 55.03	117 48.01	2273.3	979486.73	P313	-25.32	-102.85	0.00 D	0.07	-103.63	-20.87
90E228	34 55.05	117 48.02	2273.3	979486.82	P313	-25.25	-102.79	0.00 D	0.07	-103.56	-20.80
90E229	34 55.06	117 48.04	2273.2	979486.91	P313	-25.19	-102.72	0.00 D	0.07	-103.49	-20.72
90E230	34 55.07	117 48.05	2273.1	979486.95	P313	-25.17	-102.70	0.00 D	0.07	-103.47	-20.70
90E231	34 55.08	117 48.07	2273.0	979487.06	P313	-25.09	-102.61	0.00 D	0.07	-103.39	-20.62
90E232	34 55.09	117 48.08	2272.9	979487.10	P313	-25.07	-102.59	0.00 D	0.07	-103.37	-20.61
90E233	34 55.11	117 48.10	2272.9	979487.17	P313	-25.02	-102.55	0.00 D	0.07	-103.32	-20.55
90E234	34 55.12	117 48.11	2272.9	979487.23	P313	-24.98	-102.50	0.00 D	0.07	-103.28	-20.51
90E235	34 55.13	117 48.13	2272.8	979487.28	P313	-24.95	-102.47	0.00 D	0.06	-103.26	-20.49
90E236	34 55.14	117 48.15	2272.8	979487.31	P313	-24.94	-102.46	0.00 D	0.06	-103.24	-20.47
90E237	34 55.16	117 48.16	2272.8	979487.34	P313	-24.93	-102.45	0.00 D	0.06	-103.24	-20.47
90E238	34 55.17	117 48.18	2272.6	979487.39	P313	-24.92	-102.43	0.00 D	0.06	-103.21	-20.44
90E239	34 55.18	117 48.19	2272.7	979487.41	P313	-24.90	-102.42	0.00 D	0.06	-103.20	-20.43
90E240	34 55.19	117 48.21	2272.6	979487.44	P313	-24.90	-102.41	0.00 D	0.06	-103.20	-20.43
90E241	34 55.20	117 48.22	2272.7	979487.49	P313	-24.85	-102.37	0.00 D	0.06	-103.15	-20.38
90E242	34 55.22	117 48.24	2272.8	979487.55	P313	-24.81	-102.33	0.00 D	0.06	-103.11	-20.33
90E243	34 55.23	117 48.25	2272.6	979487.63	P313	-24.76	-102.28	0.00 D	0.06	-103.06	-20.28
90E244	34 55.24	117 48.27	2272.6	979487.65	P313	-24.76	-102.27	0.00 D	0.06	-103.06	-20.28
90E245	34 55.25	117 48.29	2272.4	979487.73	P313	-24.71	-102.22	0.00 D	0.06	-103.00	-20.22
90E246	34 55.27	117 48.30	2272.3	979487.80	P313	-24.68	-102.18	0.00 D	0.06	-102.96	-20.18
90E247	34 55.29	117 48.33	2272.4	979487.96	P313	-24.54	-102.04	0.00 D	0.06	-102.83	-20.05
90E248	34 55.31	117 48.36	2272.4	979488.09	P313	-24.43	-101.94	0.00 D	0.06	-102.72	-19.93
90E249	34 55.34	117 48.39	2272.2	979488.21	P313	-24.38	-101.88	0.00 D	0.06	-102.66	-19.86
90E250	34 55.03	117 47.57	2275.2	979487.28	P313	-24.59	-102.19	0.00 D	0.08	-102.95	-20.12
90E251	34 52.22	117 57.00	2324.3	979484.74	P313	-18.53	-97.81	0.00 D	0.11	-98.56	-17.23
90E252	34 52.22	117 56.89	2321.7	979484.92	P313	-18.60	-97.79	0.00 D	0.11	-98.53	-17.20
90E253	34 52.22	117 56.63	2319.2	979483.03	P313	-20.72	-99.83	0.00 D	0.11	-100.57	-19.22
90E254	34 52.22	117 56.53	2317.7	979482.49	P313	-21.41	-100.46	0.00 D	0.11	-101.20	-19.84
90E255	34 52.22	117 56.43	2316.1	979481.96	P313	-22.08	-101.08	0.00 D	0.10	-101.84	-20.47
90E256	34 52.20	117 56.29	2313.9	979481.23	P313	-23.00	-101.92	0.00 D	0.10	-102.67	-21.29
90E257	34 52.20	117 56.19	2311.8	979481.07	P313	-23.35	-102.20	0.00 D	0.10	-102.96	-21.57
90E258	34 52.18	117 56.06	2310.8	979480.62	P313	-23.87	-102.68	0.00 D	0.10	-103.44	-22.05
90E259	34 52.17	117 55.96	2309.4	979480.38	P313	-24.22	-102.99	0.00 D	0.10	-103.75	-22.35
90E260	34 52.16	117 55.86	2308.0	979480.36	P313	-24.37	-103.09	0.00 D	0.10	-103.84	-22.44
90E261	34 52.15	117 55.75	2306.2	979480.50	P313	-24.38	-103.04	0.00 D	0.10	-103.79	-22.39
90E262	34 52.16	117 55.65	2305.6	979480.68	P313	-24.27	-102.91	0.00 D	0.10	-103.67	-22.26
90E263	34 52.20	117 55.56	2308.3	979480.74	P313	-24.01	-102.74	0.00 D	0.10	-103.50	-22.07
90E264	34 52.24	117 55.47	2304.3	979481.18	P313	-24.01	-102.60	0.00 D	0.10	-103.35	-21.90
90E265	34 52.28	117 55.37	2302.1	979481.73	P313	-23.72	-102.24	0.00 D	0.10	-102.99	-21.52
90E266	34 52.33	117 55.28	2299.6	979481.97	P313	-23.78	-102.22	0.00 D	0.10	-102.97	-21.48
90E267	34 52.36	117 55.19	2300.8	979482.21	P313	-23.48	-101.95	0.00 D	0.10	-102.70	-21.20
90E268	34 52.41	117 55.10	2305.6	979481.99	P313	-23.31	-101.95	0.00 D	0.09	-102.72	-21.20
90E269	34 52.43	117 56.33	2311.6	979484.58	P313	-20.18	-99.03	0.00 D	0.11	-99.77	-18.34
90E270	34 52.43	117 56.44	2313.1	979485.07	P313	-19.55	-98.45	0.00 D	0.11	-99.19	-17.77
90E271	34 52.43	117 56.54	2315.1	979485.44	P313	-19.00	-97.96	0.00 D	0.11	-98.70	-17.28
90E272	34 52.43	117 56.65	2317.8	979485.96	P313	-18.22	-97.27	0.00 D	0.11	-98.02	-16.62
90E273	34 52.43	117 56.74	2320.3	979486.24	P313	-17.71	-96.85	0.00 D	0.11	-97.59	-16.19
90E274	34 55.05	117 47.59	2275.1	979487.36	P313	-24.54	-102.14	0.00 D	0.08	-102.90	-20.06
90E275	34 55.06	117 47.60	2275.0	979487.45	P313	-24.48	-102.07	0.00 D	0.08	-102.83	-20.00
90E276	34 55.07	117 47.62	2274.9	979487.56	P313	-24.39	-101.98	0.00 D	0.08	-102.75	-19.92
90E277	34 55.09	117 47.63	2274.9	979487.59	P313	-24.39	-101.98	0.00 D	0.08	-102.75	-19.92
90E278	34 55.10	117 47.64	2274.8	979487.66	P313	-24.34	-101.93	0.00 D	0.08	-102.69	-19.86

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
90E279	34	55.11	117	47.66	2274.8	979487.73	P313	-24.28	-101.87	0.00	D	0.08	-102.64	-19.81
90E280	34	55.12	117	47.68	2274.6	979487.77	P313	-24.28	-101.86	0.00	D	0.08	-102.62	-19.79
90E281	34	55.14	117	47.69	2274.6	979487.82	P313	-24.26	-101.84	0.00	D	0.08	-102.61	-19.78
90E282	34	55.15	117	47.70	2274.5	979487.87	P313	-24.23	-101.80	0.00	D	0.08	-102.57	-19.74
90E283	34	55.16	117	47.72	2274.4	979487.90	P313	-24.22	-101.80	0.00	D	0.07	-102.57	-19.74
90E284	34	55.17	117	47.73	2274.3	979487.90	P313	-24.25	-101.82	0.00	D	0.07	-102.59	-19.76
90E285	34	55.19	117	47.75	2274.2	979487.87	P313	-24.32	-101.88	0.00	D	0.07	-102.66	-19.83
90E286	34	55.20	117	47.76	2274.2	979487.87	P313	-24.33	-101.90	0.00	D	0.07	-102.67	-19.84
90E287	34	55.21	117	47.78	2274.2	979487.89	P313	-24.32	-101.89	0.00	D	0.07	-102.66	-19.83
90E288	34	55.23	117	47.79	2274.2	979487.88	P313	-24.36	-101.93	0.00	D	0.07	-102.70	-19.87
90E289	34	55.24	117	47.81	2274.1	979487.88	P313	-24.39	-101.95	0.00	D	0.07	-102.73	-19.90
90E290	34	55.25	117	47.82	2274.1	979487.90	P313	-24.38	-101.95	0.00	D	0.07	-102.72	-19.89
90E291	34	55.26	117	47.84	2274.1	979487.88	P313	-24.41	-101.97	0.00	D	0.07	-102.75	-19.92
90E292	34	55.28	117	47.85	2274.0	979487.90	P313	-24.43	-101.99	0.00	D	0.07	-102.77	-19.94
90E293	34	55.29	117	47.87	2273.9	979487.88	P313	-24.48	-102.03	0.00	D	0.07	-102.81	-19.98
90E294	34	55.30	117	47.88	2273.8	979487.87	P313	-24.51	-102.07	0.00	D	0.07	-102.84	-20.01
90E295	34	55.31	117	47.90	2273.8	979487.86	P313	-24.53	-102.08	0.00	D	0.07	-102.86	-20.03
90E296	34	55.33	117	47.91	2273.7	979487.91	P313	-24.52	-102.07	0.00	D	0.07	-102.85	-20.02
90E297	34	55.34	117	47.93	2273.7	979487.89	P313	-24.56	-102.11	0.00	D	0.07	-102.88	-20.05
90E298	34	55.35	117	47.94	2273.5	979487.88	P313	-24.60	-102.14	0.00	D	0.07	-102.92	-20.09
90E299	34	55.36	117	47.95	2273.5	979487.88	P313	-24.62	-102.16	0.00	D	0.07	-102.93	-20.10
90E300	34	55.38	117	47.97	2273.4	979487.90	P313	-24.63	-102.17	0.00	D	0.07	-102.94	-20.11
90E301	34	55.39	117	47.98	2273.5	979487.92	P313	-24.62	-102.16	0.00	D	0.07	-102.93	-20.10
90E302	34	55.40	117	48.00	2273.3	979487.95	P313	-24.62	-102.16	0.00	D	0.07	-102.93	-20.10
90E303	34	55.42	117	48.01	2273.4	979487.94	P313	-24.64	-102.18	0.00	D	0.07	-102.96	-20.12
90E304	34	55.43	117	48.03	2273.3	979487.95	P313	-24.66	-102.20	0.00	D	0.07	-102.97	-20.13
90E305	34	55.02	117	47.56	2275.2	979487.19	P313	-24.66	-102.26	0.00	D	0.08	-103.03	-20.20
90E306	34	55.01	117	47.54	2275.2	979487.05	P313	-24.79	-102.39	0.00	D	0.08	-103.15	-20.32
90E307	34	55.00	117	47.53	2275.2	979486.97	P313	-24.85	-102.45	0.00	D	0.08	-103.22	-20.39
90E308	34	54.98	117	47.51	2275.2	979486.87	P313	-24.93	-102.53	0.00	D	0.08	-103.29	-20.46
90E309	34	54.97	117	47.50	2275.2	979486.80	P313	-24.98	-102.58	0.00	D	0.08	-103.35	-20.52
90E310	34	54.96	117	47.48	2275.0	979486.72	P313	-25.07	-102.66	0.00	D	0.08	-103.42	-20.59
90E311	34	54.94	117	47.47	2275.2	979486.62	P313	-25.12	-102.72	0.00	D	0.08	-103.48	-20.66
90E312	34	54.93	117	47.45	2274.2	979486.64	P313	-25.18	-102.75	0.00	D	0.08	-103.51	-20.69
90E313	34	54.92	117	47.44	2275.0	979486.51	P313	-25.22	-102.81	0.00	D	0.08	-103.58	-20.76
90E314	34	54.91	117	47.42	2275.0	979486.42	P313	-25.29	-102.89	0.00	D	0.09	-103.64	-20.82
90E315	34	54.89	117	47.41	2275.6	979486.31	P313	-25.32	-102.93	0.00	D	0.09	-103.69	-20.88
90E316	34	54.88	117	47.39	2277.1	979486.13	P313	-25.35	-103.01	0.00	D	0.08	-103.78	-20.98
90E317	34	54.87	117	47.38	2275.6	979486.19	P313	-25.41	-103.03	0.00	D	0.09	-103.78	-20.97
90E318	34	54.85	117	47.36	2275.4	979486.10	P313	-25.49	-103.10	0.00	D	0.09	-103.85	-21.04
90E319	34	54.84	117	47.35	2277.1	979485.90	P313	-25.52	-103.18	0.00	D	0.09	-103.94	-21.13
90E320	34	54.83	117	47.34	2279.0	979485.69	P313	-25.54	-103.27	0.00	D	0.09	-104.03	-21.22
90E321	34	54.82	117	47.32	2277.7	979485.68	P313	-25.66	-103.34	0.00	D	0.09	-104.10	-21.29
90E322	34	54.80	117	47.31	2277.0	979485.67	P313	-25.70	-103.36	0.00	D	0.09	-104.12	-21.31
90E323	34	54.79	117	47.29	2282.0	979485.66	P313	-25.23	-103.06	0.00	D	0.09	-103.82	-21.01
90E324	34	54.78	117	47.28	2281.7	979485.59	P313	-25.32	-103.14	0.00	D	0.09	-103.89	-21.08
90E325	34	54.78	117	47.28	2281.7	979485.36	P313	-25.55	-103.37	0.00	D	0.09	-104.12	-21.31
90E326	34	54.75	117	47.25	2283.9	979485.27	P313	-25.38	-103.28	0.00	D	0.09	-104.04	-21.24
90E327	34	54.74	117	47.22	2284.3	979485.11	P313	-25.49	-103.40	0.00	D	0.09	-104.16	-21.36
90E328	34	55.45	117	48.06	2273.2	979488.02	P313	-24.63	-102.16	0.00	D	0.06	-102.95	-20.11
90E329	34	55.48	117	48.09	2272.9	979488.16	P313	-24.56	-102.08	0.00	D	0.06	-102.86	-20.01
90E330	34	55.51	117	48.12	2273.1	979488.23	P313	-24.52	-102.04	0.00	D	0.06	-102.83	-19.98
90E331	34	55.53	117	48.15	2273.0	979488.44	P313	-24.34	-101.86	0.00	D	0.06	-102.65	-19.79
90E332	34	51.90	117	56.07	2317.8	979479.91	P313	-23.53	-102.58	0.00	D	0.10	-103.34	-22.04
90E333	34	51.89	117	55.95	2315.1	979480.23	P313	-23.45	-102.41	0.00	D	0.10	-103.17	-21.87
90E334	34	51.88	117	55.86	2312.1	979480.56	P313	-23.38	-102.24	0.00	D	0.10	-103.00	-21.68
90E335	34	51.80	117	55.71	2330.2	979479.33	P313	-22.80	-102.27	0.03	D	0.12	-103.01	-21.70
90E337	34	51.27	117	57.01	2313.6	979479.66	P313	-23.28	-102.19	0.01	D	0.12	-102.93	-21.84
90E338	34	51.31	117	56.92	2309.0	979480.28	P313	-23.15	-101.91	0.00	D	0.11	-102.65	-21.55
90E339	34	51.35	117	56.83	2311.7	979480.03	P313	-23.20	-102.05	0.00	D	0.11	-102.79	-21.67
90E340	34	51.39	117	56.74	2309.7	979479.47	P313	-24.00	-102.78	0.00	D	0.11	-103.53	-22.39
90E341	34	51.45	117	56.64	2310.3	979479.10	P313	-24.40	-103.20	0.00	D	0.11	-103.95	-22.80
90E342	34	51.48	117	56.55	2312.5	979479.27	P313	-24.07	-102.95	0.00	D	0.11	-103.69	-22.52
90E343	34	51.51	117	56.46	2314.6	979479.72	P313	-23.47	-102.41	0.00	D	0.10	-103.17	-21.98
90E344	34	51.55	117	56.36	2331.2	979478.98	P313	-22.70	-102.21	0.02	D	0.12	-102.95	-21.74
90E345	34	51.57	117	56.26	2330.7	979478.96	P313	-22.80	-102.29	0.03	D	0.13	-103.02	-21.80
90E346	34	51.53	117	56.50	2313.2	979479.91	P313	-23.44	-102.34	0.00	D	0.11	-103.08	-21.90
90E347	34	51.59	117	56.43	2333.4	979479.07	P313	-22.46	-102.04	0.02	D	0.12	-102.79	-21.58
90E348	34	51.65	117	56.37	2364.9	979477.11	P313	-21.54	-102.20	0.05	D	0.15	-102.92	-21.70
90E349	34	51.18	117	57.19	2310.3	979479.18	P313	-23.94	-102.74	0.00	D	0.12	-103.47	-22.44

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
90E350	34	51.14	117	57.28	2309.7	979479.42	P313	-23.70	-102.48	0.00	D	0.12	-103.22	-22.20
90E351	34	51.09	117	57.39	2311.1	979479.34	P313	-23.58	-102.41	0.00	D	0.12	-103.14	-22.13
90E352	34	51.05	117	57.47	2312.3	979479.27	P313	-23.48	-102.35	0.00	D	0.12	-103.09	-22.09
90E353	34	51.02	117	57.57	2316.1	979479.15	P313	-23.20	-102.19	0.00	D	0.12	-102.93	-21.95
90E354	34	50.99	117	57.66	2326.8	979478.41	P313	-22.89	-102.25	0.00	D	0.11	-103.00	-22.03
90E355	34	50.96	117	57.76	2339.5	979477.49	P313	-22.58	-102.37	0.00	D	0.11	-103.13	-22.17
90E356	34	51.85	117	57.21	2318.7	979482.36	P313	-20.92	-100.00	0.00	D	0.12	-100.74	-19.50
90E357	34	51.84	117	57.31	2321.8	979482.42	P313	-20.56	-99.75	0.00	D	0.12	-100.49	-19.27
90E358	34	51.85	117	57.41	2322.7	979483.03	P313	-19.87	-99.09	0.00	D	0.12	-99.83	-18.61
90E359	34	51.85	117	57.52	2323.9	979483.72	P313	-19.07	-98.33	0.00	D	0.12	-99.07	-17.86
90E360	34	51.57	117	57.54	2314.2	979482.55	P313	-20.76	-99.69	0.00	D	0.12	-100.43	-19.28
90E361	34	51.58	117	57.43	2313.7	979482.16	P313	-21.21	-100.12	0.00	D	0.12	-100.86	-19.72
90E362	34	51.57	117	57.21	2312.3	979480.87	P313	-22.62	-101.48	0.00	D	0.12	-102.22	-21.07
90E363	34	51.58	117	57.31	2313.1	979481.50	P313	-21.93	-100.82	0.00	D	0.12	-101.56	-20.42
90E364	34	51.69	117	56.96	2311.0	979480.03	P313	-23.75	-102.57	0.00	D	0.11	-103.32	-22.14
90E365	34	51.68	117	56.86	2310.3	979479.76	P313	-24.07	-102.87	0.00	D	0.11	-103.62	-22.43
90E366	34	51.68	117	56.74	2313.9	979479.75	P313	-23.74	-102.66	0.00	D	0.11	-103.41	-22.20
90E367	34	51.67	117	56.66	2320.4	979479.87	P313	-23.00	-102.14	0.00	D	0.11	-102.89	-21.68
90E368	34	51.63	117	56.57	2317.6	979480.19	P313	-22.89	-101.93	0.00	D	0.10	-102.69	-21.49
90E369	34	51.62	117	56.48	2325.4	979479.64	P313	-22.69	-102.00	0.01	D	0.11	-102.75	-21.54
90E370	34	51.93	117	55.42	2296.2	979480.89	P313	-24.62	-102.94	0.00	D	0.10	-103.69	-22.33
90E371	34	51.97	117	55.33	2295.3	979481.54	P313	-24.11	-102.39	0.00	D	0.10	-103.15	-21.77
90E372	34	52.01	117	55.25	2298.8	979480.61	P313	-24.77	-103.17	0.00	D	0.10	-103.92	-22.53
90E373	34	52.07	117	55.16	2301.3	979480.55	P313	-24.67	-103.17	0.00	D	0.10	-103.92	-22.50
90E374	34	52.13	117	55.08	2297.2	979481.18	P313	-24.52	-102.87	0.00	D	0.10	-103.62	-22.18
90E375	34	51.88	117	54.99	2300.9	979480.33	P313	-24.67	-103.15	0.00	D	0.10	-103.90	-22.51
90E376	34	51.71	117	54.99	2291.5	979480.21	P313	-25.43	-103.59	0.00	D	0.10	-104.34	-22.98
90E377	34	51.64	117	54.99	2289.5	979479.77	P313	-25.96	-104.05	0.00	D	0.11	-104.79	-23.45
90E378	34	51.47	117	54.98	2283.5	979478.97	P313	-27.09	-104.97	0.00	D	0.11	-105.71	-24.40
90E379	34	51.37	117	54.98	2280.2	979478.63	P313	-27.60	-105.37	0.00	D	0.11	-106.10	-24.82
90E380	34	51.29	117	54.98	2279.6	979478.03	P313	-28.14	-105.89	0.00	D	0.11	-106.62	-25.36
90E381	34	51.19	117	54.98	2280.7	979477.08	P313	-28.84	-106.63	0.00	D	0.12	-107.36	-26.11
90E382	34	51.00	117	54.98	2279.0	979475.78	P313	-30.03	-107.76	0.00	D	0.11	-108.50	-27.31
90E383	34	51.79	117	55.10	2295.9	979480.59	P313	-24.75	-103.06	0.00	D	0.10	-103.81	-22.44
90E384	34	51.78	117	55.20	2293.1	979480.39	P313	-25.20	-103.41	0.00	D	0.10	-104.16	-22.80
90E385	34	51.79	117	55.31	2298.7	979480.25	P313	-24.83	-103.23	0.04	D	0.14	-103.94	-22.60
90E386	34	51.83	117	55.40	2310.7	979480.05	P313	-23.96	-102.77	0.03	D	0.12	-103.50	-22.16
90E387	34	51.86	117	55.47	2310.2	979480.61	P313	-23.48	-102.28	0.02	D	0.11	-103.02	-21.68
90E388	34	55.56	117	48.18	2273.1	979488.59	P313	-24.23	-101.75	0.00	D	0.06	-102.54	-19.68
90E389	34	55.58	117	48.21	2273.1	979488.76	P313	-24.08	-101.61	0.00	D	0.06	-102.39	-19.51
90E390	34	55.61	117	48.24	2273.0	979488.92	P313	-23.98	-101.50	0.00	D	0.06	-102.29	-19.41
90E391	34	55.63	117	48.26	2272.9	979489.10	P313	-23.83	-101.35	0.00	D	0.06	-102.13	-19.25
90E392	34	55.66	117	48.29	2272.7	979489.29	P313	-23.70	-101.22	0.00	D	0.06	-102.00	-19.12
90E393	34	55.68	117	48.32	2272.9	979489.45	P313	-23.55	-101.07	0.00	D	0.06	-101.85	-18.97
90E394	34	55.71	117	48.35	2272.9	979489.62	P313	-23.43	-100.95	0.00	D	0.06	-101.73	-18.84
90E395	34	55.74	117	48.38	2272.9	979489.79	P313	-23.29	-100.82	0.00	D	0.06	-101.60	-18.71
90E396	34	55.76	117	48.41	2272.9	979489.99	P313	-23.13	-100.65	0.00	D	0.06	-101.43	-18.53
90E397	34	55.79	117	48.44	2272.9	979490.20	P313	-22.95	-100.48	0.00	D	0.06	-101.26	-18.35
90E398	34	55.81	117	48.47	2272.8	979490.43	P313	-22.77	-100.28	0.00	D	0.06	-101.07	-18.16
90E399	34	55.84	117	48.50	2272.8	979490.69	P313	-22.54	-100.06	0.00	D	0.06	-100.85	-17.94
90E400	34	55.86	117	48.53	2272.6	979491.07	P313	-22.21	-99.73	0.00	D	0.05	-100.52	-17.61
90E401	34	55.89	117	48.56	2272.6	979491.42	P313	-21.90	-99.41	0.00	D	0.05	-100.21	-17.30
90E402	34	55.91	117	48.59	2272.6	979491.75	P313	-21.60	-99.12	0.00	D	0.05	-99.91	-17.00
90E403	34	55.94	117	48.62	2272.5	979492.10	P313	-21.30	-98.81	0.00	D	0.05	-99.61	-16.70
90E404	34	55.97	117	48.65	2272.5	979492.38	P313	-21.07	-98.58	0.00	D	0.05	-99.37	-16.41
90E405	34	55.99	117	48.68	2272.4	979492.62	P313	-20.87	-98.38	0.00	D	0.05	-99.17	-16.21
90E406	34	56.02	117	48.71	2272.4	979492.84	P313	-20.69	-98.19	0.00	D	0.05	-98.99	-16.02
90E407	34	56.04	117	48.74	2272.3	979493.03	P313	-20.54	-98.04	0.00	D	0.05	-98.84	-15.87
90E408	34	56.07	117	48.77	2272.5	979493.18	P313	-20.41	-97.92	0.00	D	0.05	-98.71	-15.74
90E409	34	56.09	117	48.79	2272.5	979493.29	P313	-20.33	-97.84	0.00	D	0.05	-98.63	-15.66
90E410	34	56.12	117	48.82	2272.6	979493.36	P313	-20.29	-97.80	0.00	D	0.05	-98.60	-15.62
90E411	34	56.14	117	48.85	2272.3	979493.48	P313	-20.23	-97.73	0.00	D	0.05	-98.53	-15.55
90E412	34	56.17	117	48.88	2271.9	979493.60	P313	-20.19	-97.67	0.00	D	0.05	-98.47	-15.49
90E413	34	54.67	117	48.16	2272.6	979483.91	P313	-27.69	-105.21	0.00	D	0.07	-105.98	-23.30
90E414	34	54.66	117	48.14	2272.6	979483.84	P313	-27.75	-105.26	0.00	D	0.07	-106.03	-23.36
90E415	34	54.65	117	48.13	2272.7	979483.77	P313	-27.79	-105.31	0.00	D	0.07	-106.08	-23.41
90E416	34	54.64	117	48.11	2272.6	979483.70	P313	-27.86	-105.37	0.00	D	0.07	-106.14	-23.47
90E417	34	54.63	117	48.09	2272.7	979483.62	P313	-27.91	-105.43	0.00	D	0.07	-106.20	-23.53
90E418	34	54.62	117	48.08	2272.5	979483.60	P313	-27.94	-105.45	0.00	D	0.07	-106.23	-23.57
90E419	34	54.61	117	48.06	2272.5	979483.53	P313	-28.00	-105.51	0.00	D	0.08	-106.27	-23.61

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
90E420	34	54.60	117	48.04	2272.6	979483.52	P313	-27.98	-105.49	0.00	D	0.08	-106.26	-23.60
90E421	34	54.59	117	48.03	2272.8	979483.46	P313	-28.01	-105.53	0.00	D	0.08	-106.29	-23.63
90E422	34	54.58	117	48.01	2272.9	979483.40	P313	-28.04	-105.57	0.00	D	0.08	-106.33	-23.67
90E423	34	54.57	117	47.99	2272.9	979483.36	P313	-28.08	-105.60	0.00	D	0.08	-106.36	-23.70
90E424	34	54.55	117	47.98	2273.1	979483.31	P313	-28.08	-105.60	0.00	D	0.08	-106.37	-23.71
90E425	34	54.54	117	47.96	2273.1	979483.29	P313	-28.08	-105.61	0.00	D	0.08	-106.37	-23.71
90E426	34	54.53	117	47.94	2273.2	979483.25	P313	-28.10	-105.63	0.00	D	0.08	-106.39	-23.73
90E427	34	54.52	117	47.93	2273.3	979483.19	P313	-28.13	-105.67	0.00	D	0.08	-106.43	-23.77
90E428	34	54.51	117	47.91	2273.3	979483.14	P313	-28.17	-105.71	0.00	D	0.08	-106.47	-23.81
90E429	34	54.50	117	47.89	2273.4	979483.10	P313	-28.19	-105.73	0.00	D	0.08	-106.49	-23.83
90E430	34	54.49	117	47.88	2273.4	979483.09	P313	-28.18	-105.72	0.00	D	0.08	-106.49	-23.83
90E431	34	54.48	117	47.86	2273.6	979483.07	P313	-28.17	-105.71	0.00	D	0.08	-106.48	-23.81
90E432	34	54.47	117	47.84	2273.5	979483.00	P313	-28.23	-105.77	0.00	D	0.08	-106.54	-23.87
90E433	34	54.46	117	47.83	2273.5	979482.94	P313	-28.28	-105.83	0.00	D	0.08	-106.59	-23.92
90E434	34	54.44	117	47.81	2273.5	979482.88	P313	-28.31	-105.85	0.00	D	0.08	-106.62	-23.95
90E435	34	54.43	117	47.79	2273.7	979482.76	P313	-28.40	-105.95	0.00	D	0.08	-106.71	-24.04
90E436	34	54.42	117	47.77	2273.9	979482.76	P313	-28.36	-105.92	0.00	D	0.08	-106.68	-24.01
90E437	34	54.41	117	47.76	2274.2	979482.69	P313	-28.40	-105.96	0.00	D	0.08	-106.73	-24.06
90E438	34	54.40	117	47.74	2274.1	979482.68	P313	-28.40	-105.96	0.00	D	0.09	-106.72	-24.05
90E439	34	54.39	117	47.72	2273.8	979482.63	P313	-28.46	-106.02	0.00	D	0.09	-106.77	-24.09
90E440	34	54.38	117	47.71	2274.0	979482.56	P313	-28.50	-106.06	0.00	D	0.09	-106.81	-24.13
90E441	34	54.37	117	47.69	2276.1	979482.38	P313	-28.46	-106.10	0.00	D	0.09	-106.85	-24.17
90E442	34	54.35	117	47.66	2282.9	979481.79	P313	-28.39	-106.26	0.00	D	0.08	-107.02	-24.33
90E443	34	54.69	117	48.18	2272.6	979483.95	P313	-27.68	-105.19	0.00	D	0.07	-105.96	-23.27
90E444	34	54.70	117	48.19	2272.6	979484.03	P313	-27.61	-105.13	0.00	D	0.07	-105.90	-23.21
90E445	34	54.71	117	48.21	2272.7	979484.10	P313	-27.55	-105.06	0.00	D	0.07	-105.84	-23.15
90E446	34	54.72	117	48.23	2272.6	979484.18	P313	-27.49	-105.01	0.00	D	0.07	-105.78	-23.10
90E447	34	54.73	117	48.24	2272.6	979484.26	P313	-27.42	-104.93	0.00	D	0.06	-105.72	-23.04
90E448	34	54.74	117	48.26	2272.6	979484.35	P313	-27.35	-104.86	0.00	D	0.06	-105.64	-22.96
90E449	34	54.75	117	48.28	2272.6	979484.44	P313	-27.27	-104.79	0.00	D	0.06	-105.57	-22.89
90E450	34	54.76	117	48.29	2272.6	979484.52	P313	-27.21	-104.72	0.00	D	0.06	-105.51	-22.82
90E451	34	54.77	117	48.31	2272.6	979484.60	P313	-27.14	-104.66	0.00	D	0.06	-105.44	-22.75
90E452	34	54.78	117	48.33	2272.5	979484.68	P313	-27.09	-104.60	0.00	D	0.06	-105.38	-22.69
90E453	34	54.79	117	48.34	2272.5	979484.78	P313	-27.00	-104.51	0.00	D	0.06	-105.29	-22.60
90E454	34	54.81	117	48.36	2272.5	979484.86	P313	-26.95	-104.46	0.00	D	0.06	-105.24	-22.55
90E455	34	54.82	117	48.38	2272.7	979484.97	P313	-26.84	-104.35	0.00	D	0.06	-105.14	-22.45
90E456	34	54.83	117	48.39	2272.8	979485.04	P313	-26.77	-104.29	0.00	D	0.06	-105.08	-22.39
90E457	34	54.84	117	48.41	2272.7	979485.14	P313	-26.69	-104.20	0.00	D	0.06	-104.99	-22.30
90E458	34	54.85	117	48.43	2272.7	979485.22	P313	-26.62	-104.14	0.00	D	0.06	-104.92	-22.23
90E459	34	54.86	117	48.44	2272.7	979485.31	P313	-26.55	-104.07	0.00	D	0.06	-104.85	-22.16
90E460	34	54.87	117	48.46	2272.8	979485.43	P313	-26.44	-103.96	0.00	D	0.06	-104.74	-22.05
90E461	34	54.88	117	48.48	2272.6	979485.50	P313	-26.40	-103.91	0.00	D	0.06	-104.70	-22.01
90E462	34	54.89	117	48.49	2272.6	979485.61	P313	-26.30	-103.81	0.00	D	0.06	-104.60	-21.91
90E463	34	54.91	117	48.51	2272.7	979485.72	P313	-26.21	-103.73	0.00	D	0.06	-104.51	-21.82
90E464	34	54.92	117	48.53	2272.7	979485.82	P313	-26.13	-103.64	0.00	D	0.06	-104.43	-21.73
90E465	34	54.93	117	48.54	2272.7	979485.94	P313	-26.02	-103.54	0.00	D	0.06	-104.32	-21.62
90E466	34	54.94	117	48.56	2272.5	979486.06	P313	-25.93	-103.44	0.00	D	0.06	-104.22	-21.52
90E467	34	54.95	117	48.58	2272.5	979486.19	P313	-25.81	-103.32	0.00	D	0.06	-104.11	-21.41
90E468	34	54.96	117	48.59	2272.5	979486.32	P313	-25.70	-103.21	0.00	D	0.06	-103.99	-21.29
90E469	34	54.97	117	48.61	2272.5	979486.45	P313	-25.59	-103.09	0.00	D	0.06	-103.88	-21.18
90E470	34	54.98	117	48.63	2272.5	979486.59	P313	-25.46	-102.97	0.00	D	0.06	-103.75	-21.04
90E471	34	54.99	117	48.64	2272.4	979486.71	P313	-25.37	-102.87	0.00	D	0.06	-103.66	-20.95
90E472	34	55.00	117	48.66	2272.4	979486.85	P313	-25.23	-102.74	0.00	D	0.06	-103.52	-20.81
90E473	34	55.01	117	48.68	2272.4	979486.98	P313	-25.12	-102.62	0.00	D	0.05	-103.42	-20.71
90E474	34	55.03	117	48.69	2272.4	979487.10	P313	-25.03	-102.54	0.00	D	0.05	-103.33	-20.62
90E475	34	55.04	117	48.71	2272.4	979487.21	P313	-24.94	-102.44	0.00	D	0.05	-103.24	-20.53
90E476	34	55.05	117	48.73	2272.4	979487.32	P313	-24.83	-102.34	0.00	D	0.05	-103.13	-20.41
90E477	34	55.06	117	48.74	2272.3	979487.43	P313	-24.75	-102.25	0.00	D	0.05	-103.05	-20.33
90E478	34	55.07	117	48.76	2272.3	979487.51	P313	-24.68	-102.19	0.00	D	0.06	-102.97	-20.25
90E479	34	55.08	117	48.78	2272.3	979487.61	P313	-24.60	-102.10	0.00	D	0.06	-102.89	-20.18
90E480	34	49.91	117	57.17	2288.0	979472.34	C643	-31.09	-109.13	0.00	D	0.14	-109.84	-29.13
90E481	34	49.37	117	56.62	2290.0	979467.62	C633	-34.86	-112.96	0.00	D	0.14	-113.67	-33.02
90E482	34	49.36	117	55.49	2297.0	979466.53	F423	-35.27	-113.61	0.00	D	0.13	-114.34	-33.54
90E483	34	50.26	117	54.32	2277.0	979471.55	B113	-33.41	-111.07	0.00	D	0.13	-111.78	-30.66
90E484	34	49.89	117	53.31	2286.0	979472.67	B113	-30.92	-108.89	0.00	D	0.12	-109.61	-28.46
90E485	34	55.09	117	48.79	2272.3	979487.71	P313	-24.52	-102.02	0.00	D	0.06	-102.80	-20.09
90E486	34	55.10	117	48.81	2272.3	979487.83	P313	-24.40	-101.91	0.00	D	0.06	-102.69	-19.98
90E487	34	55.11	117	48.83	2272.3	979487.92	P313	-24.33	-101.83	0.00	D	0.06	-102.62	-19.91
90E488	34	55.12	117	48.84	2272.2	979488.02	P313	-24.25	-101.75	0.00	D	0.05	-102.55	-19.84
90E489	34	55.14	117	48.86	2272.3	979488.11	P313	-24.19	-101.69	0.00	D	0.05	-102.48	-19.77

TABLE 3.–*Principal facts for USGS gravity stations–Continued*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
90E490	34	55.15	117	48.88	2272.2	979488.22	P313	-24.09	-101.59	0.00	D	0.05	-102.39	-19.67
90E491	34	55.16	117	48.89	2272.2	979488.28	P313	-24.05	-101.55	0.00	D	0.05	-102.34	-19.62
90E492	34	55.17	117	48.91	2272.3	979488.40	P313	-23.93	-101.44	0.00	D	0.05	-102.23	-19.51
90E493	34	55.18	117	48.93	2272.2	979488.46	P313	-23.90	-101.40	0.00	D	0.05	-102.19	-19.47
90E494	34	55.19	117	48.94	2272.2	979488.56	P313	-23.82	-101.31	0.00	D	0.05	-102.11	-19.38
90E495	34	55.20	117	48.96	2272.1	979488.66	P313	-23.74	-101.24	0.00	D	0.05	-102.03	-19.30
90E496	34	55.21	117	48.98	2272.2	979488.75	P313	-23.65	-101.15	0.00	D	0.05	-101.94	-19.21
90E497	34	55.22	117	48.99	2272.1	979488.84	P313	-23.58	-101.08	0.00	D	0.05	-101.87	-19.14
90E498	34	55.23	117	49.01	2272.0	979488.95	P313	-23.50	-100.99	0.00	D	0.05	-101.78	-19.05
90E499	34	55.24	117	49.03	2271.8	979489.06	P313	-23.43	-100.91	0.00	D	0.05	-101.70	-18.97
90E500	34	55.26	117	49.04	2271.8	979489.14	P313	-23.37	-100.85	0.00	D	0.05	-101.65	-18.92
90E501	34	55.27	117	49.06	2271.8	979489.25	P313	-23.27	-100.76	0.00	D	0.05	-101.55	-18.82
90E502	34	55.28	117	49.08	2271.9	979489.31	P313	-23.22	-100.71	0.00	D	0.05	-101.50	-18.77
90E503	34	55.29	117	49.09	2271.9	979489.40	P313	-23.14	-100.63	0.00	D	0.05	-101.43	-18.69
90E504	34	55.30	117	49.11	2271.9	979489.49	P313	-23.07	-100.56	0.00	D	0.05	-101.35	-18.60
90E505	34	55.31	117	49.13	2271.9	979489.56	P313	-23.01	-100.50	0.00	D	0.05	-101.29	-18.54
90E506	34	55.32	117	49.14	2271.8	979489.63	P313	-22.97	-100.45	0.00	D	0.05	-101.24	-18.49
90E507	34	55.33	117	49.16	2271.8	979489.73	P313	-22.88	-100.36	0.00	D	0.05	-101.16	-18.41
90E508	34	55.34	117	49.18	2271.7	979489.78	P313	-22.86	-100.34	0.00	D	0.05	-101.13	-18.38
90E509	34	55.36	117	49.19	2271.7	979489.84	P313	-22.83	-100.31	0.00	D	0.05	-101.10	-18.35
90E510	34	55.37	117	49.21	2271.5	979489.91	P313	-22.78	-100.26	0.00	D	0.05	-101.05	-18.30
90E511	34	55.39	117	49.24	2271.4	979490.08	P313	-22.65	-100.12	0.00	D	0.05	-100.92	-18.17
90E512	34	55.41	117	49.28	2271.3	979490.23	P313	-22.54	-100.01	0.00	D	0.05	-100.81	-18.05
90E513	34	55.43	117	49.31	2271.3	979490.37	P313	-22.43	-99.90	0.00	D	0.05	-100.69	-17.94
90E514	34	55.45	117	49.34	2271.0	979490.52	P313	-22.34	-99.79	0.00	D	0.05	-100.59	-17.83
90E515	34	54.90	117	48.92	2271.8	979487.05	P313	-24.95	-102.44	0.00	D	0.06	-103.22	-20.57
90E516	34	54.83	117	49.23	2270.6	979487.37	P313	-24.65	-102.09	0.00	D	0.06	-102.88	-20.27
90E517	34	54.76	117	49.53	2270.1	979487.66	P313	-24.30	-101.73	0.00	D	0.06	-102.51	-19.95
90E518	34	54.72	117	48.70	2272.0	979484.75	P313	-26.98	-104.47	0.00	D	0.06	-105.26	-22.62
90E519	34	54.46	117	48.79	2271.0	979482.53	P313	-28.93	-106.39	0.00	D	0.06	-107.17	-24.59
90E520	34	54.21	117	48.87	2270.7	979481.07	P313	-30.06	-107.50	0.00	D	0.07	-108.28	-25.76
90E521	34	53.95	117	48.96	2269.5	979480.43	P313	-30.44	-107.85	0.00	D	0.07	-108.62	-26.17
90E522	34	56.26	117	47.06	2311.2	979490.52	P313	-19.70	-98.53	0.02	D	0.10	-99.28	-16.11
90E523	34	56.43	117	57.16	2387.0	979492.38	P313	-10.95	-92.36	0.00	D	0.13	-93.11	-10.28
90E524	34	56.50	117	56.64	2361.0	979494.18	P313	-11.70	-92.23	0.00	D	0.13	-92.97	-10.12
90E525	34	56.31	117	56.37	2358.0	979494.17	P313	-11.72	-92.14	0.01	D	0.13	-92.88	-10.11
90E526	34	56.13	117	56.58	2366.0	979493.21	P313	-11.67	-92.37	0.00	D	0.12	-93.12	-10.42
90E527	34	55.96	117	56.70	2370.0	979492.40	P313	-11.86	-92.70	0.01	D	0.14	-93.43	-10.81
90E528	34	55.79	117	56.81	2392.0	979491.42	P313	-10.54	-92.12	0.00	D	0.12	-92.88	-10.35
90E529	34	55.67	117	56.34	2364.0	979492.79	P313	-11.63	-92.26	0.00	D	0.12	-93.01	-10.53
90E530	34	55.94	117	56.36	2358.0	979493.75	P313	-11.61	-92.04	0.00	D	0.12	-92.79	-10.22
90E531	34	56.12	117	56.16	2353.0	979494.26	P313	-11.83	-92.09	0.01	D	0.13	-92.82	-10.12
90E532	34	55.77	117	55.64	2342.0	979493.95	P313	-12.68	-92.56	0.00	D	0.11	-93.32	-10.80
90E533	34	55.73	117	54.95	2361.0	979493.43	P313	-11.35	-91.88	0.00	D	0.09	-92.66	-10.15
PB1104	34	54.83	117	42.54	2760.0	979462.12	C632	-3.88	-98.01	0.16	D	0.50	-98.49	-15.17
PB1105A	34	57.61	117	53.67	2360.6	979501.22	B212	-6.27	-86.78	0.00	D	0.10	-87.55	-4.33
PB1106	34	52.07	117	59.79	2409.0	979481.52	B112	-13.58	-95.74	0.01	D	0.19	-96.44	-15.25
PB1109	34	48.09	117	44.80	2740.0	979447.51	C632	-10.85	-104.30	0.02	D	0.32	-104.95	-22.55
PB1519	34	52.90	118	9.85	2425.0	979472.64	C632	-22.13	-104.83	0.43	D	0.89	-104.83	-22.81

TABLE 4.–*Principal facts for Kaman Sciences Corporation gravity stations*

STATION NAME	LAT deg	LAT min	LON deg	LON min	ELEV ft	OG mGal	AC	FAA mGal	SBA mGal	ITC mGal		TC mGal	CBA 2.67	ISO 2.67
88K101	34	55.91	117	53.03	2280.0	979498.47	C623	-14.19	-91.95	0.00	D	0.08	-92.72	-10.10
88K102	34	55.80	117	52.95	2278.0	979497.89	C623	-14.80	-92.50	0.00	D	0.07	-93.27	-10.67
88K103	34	55.68	117	52.87	2281.0	979496.65	C623	-15.59	-93.38	0.00	D	0.07	-94.16	-11.59
88K104	34	55.56	117	52.79	2281.0	979495.95	C623	-16.12	-93.92	0.00	D	0.07	-94.70	-12.16
88K105	34	55.46	117	52.69	2283.0	979494.93	C623	-16.81	-94.68	0.00	D	0.06	-95.47	-12.95
88K106	34	55.32	117	52.61	2287.0	979494.20	C623	-16.96	-94.97	0.00	D	0.06	-95.76	-13.27
88K107	34	55.23	117	52.53	2290.0	979493.30	C623	-17.46	-95.56	0.00	D	0.06	-96.35	-13.88
88K201	34	55.99	117	52.89	2278.0	979498.38	C623	-14.59	-92.28	0.00	D	0.07	-93.06	-10.37
88K202	34	55.88	117	52.80	2274.0	979497.85	C623	-15.33	-92.89	0.00	D	0.07	-93.67	-11.04
88K203	34	55.75	117	52.71	2279.0	979496.83	C623	-15.70	-93.43	0.00	D	0.07	-94.20	-11.61
88K204	34	55.62	117	52.62	2281.0	979496.11	C623	-16.05	-93.85	0.00	D	0.06	-94.63	-12.06
88K300	34	56.38	117	52.99	2271.0	979501.01	C623	-13.16	-90.62	0.00	D	0.08	-91.38	-8.55
88K301	34	56.28	117	52.93	2271.0	979500.48	C623	-13.55	-91.01	0.00	D	0.08	-91.77	-8.98
88K302	34	56.18	117	52.85	2271.0	979499.84	C623	-14.05	-91.51	0.00	D	0.08	-92.27	-9.52
88K303	34	56.07	117	52.72	2275.0	979498.50	C623	-14.88	-92.45	0.00	D	0.07	-93.22	-10.50
88K304	34	55.94	117	52.67	2272.0	979498.11	C623	-15.34	-92.83	0.00	D	0.07	-93.60	-10.95
88K306	34	55.70	117	52.50	2276.0	979496.48	C623	-16.28	-93.89	0.00	D	0.07	-94.66	-12.07
88K307	34	55.60	117	52.41	2279.0	979495.60	C623	-16.71	-94.45	0.00	D	0.06	-95.23	-12.66
88K308	34	55.49	117	52.31	2280.0	979494.48	C623	-17.59	-95.35	0.00	D	0.06	-96.14	-13.59
88K309	34	55.37	117	52.24	2280.0	979493.82	C623	-18.07	-95.84	0.00	D	0.06	-96.62	-14.10
88K310	34	55.12	117	52.08	2280.0	979492.62	C623	-18.92	-96.69	0.00	D	0.06	-97.47	-15.02
88K400	34	56.24	117	52.70	2271.0	979499.26	C623	-14.71	-92.17	0.00	D	0.08	-92.94	-10.15
88K401	34	56.13	117	52.61	2270.0	979498.75	C623	-15.16	-92.58	0.00	D	0.07	-93.36	-10.63
88K402	34	56.01	117	52.52	2271.0	979498.11	C623	-15.54	-92.99	0.00	D	0.07	-93.77	-11.06
88K403	34	55.90	117	52.45	2271.0	979497.10	C623	-16.39	-93.85	0.00	D	0.07	-94.62	-11.97
88K404	34	55.76	117	52.35	2273.0	979496.46	C623	-16.65	-94.17	0.00	D	0.07	-94.95	-12.33
88K500	34	56.52	117	52.72	2271.0	979500.77	C623	-13.59	-91.05	0.00	D	0.07	-91.83	-8.96
88K501	34	56.44	117	52.67	2271.0	979500.15	C623	-14.11	-91.56	0.00	D	0.07	-92.34	-9.49
88K502	34	56.33	117	52.58	2271.0	979499.29	C623	-14.81	-92.27	0.00	D	0.07	-93.04	-10.22
88K503	34	56.20	117	52.48	2271.0	979498.37	C623	-15.55	-93.01	0.00	D	0.07	-93.78	-11.00
88K504	34	56.09	117	52.36	2270.0	979497.57	C623	-16.29	-93.71	0.00	D	0.07	-94.48	-11.74
88K505	34	56.00	117	52.25	2271.0	979496.64	C623	-16.99	-94.45	0.00	D	0.07	-95.22	-12.51
88K506	34	55.88	117	52.14	2271.0	979495.88	C623	-17.59	-95.04	0.00	D	0.07	-95.82	-13.16
88K507	34	55.76	117	52.05	2271.0	979494.98	C623	-18.31	-95.77	0.00	D	0.07	-96.55	-13.93
88K508	34	55.66	117	51.97	2271.0	979494.40	C623	-18.75	-96.21	0.00	D	0.07	-96.98	-14.37
88K509	34	55.54	117	51.89	2270.0	979493.92	C623	-19.15	-96.58	0.00	D	0.07	-97.35	-14.77
88K510	34	55.31	117	51.70	2270.0	979492.81	C623	-19.94	-97.36	0.00	D	0.07	-98.13	-15.59
88K511	34	55.19	117	51.58	2270.0	979491.82	C623	-20.76	-98.19	0.00	D	0.07	-98.96	-16.45
88K601	34	56.28	117	52.31	2271.0	979498.12	C623	-15.91	-93.37	0.00	D	0.07	-94.14	-11.33
88K702	34	56.17	117	52.08	2271.0	979497.01	C623	-16.86	-94.32	0.00	D	0.06	-95.10	-12.32
88K703	34	56.11	117	52.03	2271.0	979496.65	C623	-17.14	-94.59	0.00	D	0.06	-95.38	-12.62
88K704	34	55.99	117	51.94	2271.0	979495.93	C623	-17.69	-95.15	0.00	D	0.07	-95.92	-13.19
88K705	34	55.89	117	51.86	2270.0	979495.01	C623	-18.56	-95.98	0.00	D	0.07	-96.75	-14.07
88K706	34	55.78	117	51.79	2270.0	979494.54	C623	-18.88	-96.30	0.00	D	0.07	-97.08	-14.43
88K707	34	55.65	117	51.69	2270.0	979493.88	C623	-19.35	-96.77	0.00	D	0.07	-97.55	-14.93
88KX01	34	56.60	117	50.78	2271.0	979498.36	C623	-16.12	-93.58	0.00	D	0.05	-94.37	-11.39
88KX02	34	56.62	117	50.87	2271.0	979498.59	C623	-15.92	-93.38	0.00	D	0.05	-94.17	-11.20
88KX03	34	56.62	117	51.20	2271.0	979498.30	C623	-16.21	-93.67	0.00	D	0.06	-94.45	-11.49
88KX04	34	56.62	117	51.44	2271.0	979498.64	C623	-15.87	-93.33	0.00	D	0.06	-94.11	-11.16
88KX05	34	56.62	117	51.82	2271.0	979498.72	C623	-15.79	-93.25	0.00	D	0.06	-94.03	-11.10
88KX06	34	56.62	117	52.24	2271.0	979499.19	C623	-15.32	-92.78	0.00	D	0.07	-93.55	-10.62
88KX07	34	56.73	117	52.20	2271.0	979499.68	C623	-14.98	-92.44	0.00	D	0.07	-93.21	-10.26
88KX08	34	56.62	117	52.44	2271.0	979500.43	C623	-14.08	-91.54	0.00	D	0.07	-92.31	-9.38
88KX09	34	56.62	117	52.80	2271.0	979501.62	C623	-12.89	-90.35	0.00	D	0.07	-91.12	-8.20
88KX10	34	56.62	117	53.20	2280.0	979502.39	C623	-11.28	-89.04	0.00	D	0.09	-89.80	-6.92
88KX11	34	55.46	117	52.02	2273.0	979494.03	C623	-18.65	-96.18	0.00	D	0.07	-96.95	-14.40
88KX12	34	55.93	117	53.13	2287.0	979498.41	C623	-13.62	-91.62	0.00	D	0.07	-92.40	-9.77
88KX12	34	56.62	117	49.91	2271.0	979496.10	C623	-18.41	-95.87	0.00	D	0.05	-96.66	-13.61
88KX13	34	56.62	117	50.31	2271.0	979496.73	C623	-17.78	-95.24	0.00	D	0.05	-96.03	-13.02
88KX14	34	56.19	117	50.31	2271.0	979494.78	C623	-19.12	-96.58	0.00	D	0.05	-97.38	-14.49
88KX15	34	56.19	117	50.79	2271.0	979495.69	C623	-18.21	-95.67	0.00	D	0.06	-96.46	-13.59
88KX16	34	56.19	117	51.18	2271.0	979495.94	C623	-17.96	-95.42	0.00	D	0.06	-96.21	-13.37
88KX17	34	56.19	117	51.61	2271.0	979495.90	C623	-18.00	-95.46	0.00	D	0.06	-96.25	-13.45